

**Sampling Results Technical Memorandum
Basewide Range Assessment Investigation
Site 39 Units 1, 2, 3, 7, 10, 33, and Watkins Gate Burn
Area North and South
Former Fort Ord
Monterey County, California
Base Realignment and Closure Program**

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Acronyms and Abbreviations

AR	Administrative Record
AWA	area-weighted average
bgs	below ground surface
BRA	Basewide Range Assessment
BRAWP	Basewide Range Assessment Work Plan
COC	chemicals of concern
Combined Units	Units 1, 2, 3, 7, 10, 33, and Watkins Gate Burn Area North and South
Combined Units Sampling Plan	<i>Final Units 1, 2, 3, 7, 10, and 33 and Watkins Gate Burn Area (WGBA) Sampling Work Plan, Former Fort Ord, California</i>
ELAP	Environmental Laboratory Accreditation Program
Gilbane	Gilbane Federal
GPS	global positioning system
HMX	octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
KEMRON	Kemron Environmental Services, Inc.
MD	munitions debris
MEC	munitions and explosives of concern
mg/kg	milligrams per kilogram
MRA	Munitions Response Area
ms/msd	matrix spike/matrix spike duplicate
ppb	part per billion
RDX	hexahydro-1,3,5-trinitro-1,3,5-triazine
Site 39 ROD Amendment	<i>Final Record of Decision Amendment, Site 39, Former Fort Ord, California</i>
SR	Special Report
TNT	2,4,6-trinitrotoluene: Military TNT may include multiple isomers but typically comprises over 95 percent 2,4,6-trinitrotoluene, which is the isomer used for analysis at former Fort Ord to identify the presence of TNT residues.
USACE	United States Army Corps of Engineers
WGBA	Watkins Gate Burn Area

1.0 INTRODUCTION

This report presents a summary of soil sampling and analyses performed in Site 39 Units 1, 2, 3, 7, 10, 33, and Watkins Gate Burn Area North and South (WGBA) – hereinafter referred to as the Combined Units – as part of the ongoing Basewide Range Assessment (BRA) investigation activities at the former Fort Ord in Monterey County, California. The Combined Units are subareas of Site 39, which encompasses the Impact Area Munitions Response Area (MRA; **Figure 1**) of the former munitions practice ranges within the former Fort Ord. The work described herein was performed by Gilbane Federal (Gilbane) as a subcontractor to KEMRON Environmental Services, Inc. (KEMRON) on behalf of the United States Army Corps of Engineers (USACE) under the Worldwide Environmental Remediation Services contract number W912DY-10-D-0027, Task Order CM01. The investigation was performed in accordance with the *Final Units 1, 2, 3, 7, 10, 33, and Watkins Gate Burn Area North and South (WGBA) Sampling Work Plan, Former Fort Ord, California* (KEMRON, 2016a), *Addendum to the Final Units 1, 2, 3, 7, 10, and 33 and Watkins Gate Burn Area (WGBA) Sampling Work Plan, Former Fort Ord, California* (KEMRON, 2016b), *Second Addendum to the Final Units 1, 2, 3, 7, 10, and 33 and Watkins Gate Burn Area (WGBA) Sampling Work Plan, Former Fort Ord, California* (KEMRON, 2017), *Third Addendum to the Final Units 1, 2, 3, 7, 10, and 33 and Watkins Gate Burn Area (WGBA) Sampling Work Plan, Former Fort Ord, California* (KEMRON, 2018a), and *Revised Third Addendum to the Final Units 1, 2, 3, 7, 10, and 33 and Watkins Gate Burn Area (WGBA) Sampling Work Plan, Former Fort Ord, California* (KEMRON, 2018b). These documents will be collectively referred to as the Combined Units Sampling Plan throughout the remainder of this document.

The BRA investigation is being conducted throughout Site 39 to evaluate the potential presence of chemicals of concern (COCs) at known or suspected small arms ranges, multi-use ranges, and military munitions training areas in accordance with the requirements of the:

- *Final Record of Decision Amendment, Site 39, Former Fort Ord, California* (Site 39 ROD Amendment; United States Department of the Army [Army], 2009), which specifies the threshold concentrations for applicable remediation

- *Draft Final Basewide Range Assessment Work Plan (BRAWP; IT Corporation/Harding Lawson Associates, 2001)*, which established the BRA program objectives, evaluation processes, and decision criteria to be used for determination of site status regarding soil potentially contaminated with COCs in former firing range areas.

The objective of the BRA program is to evaluate whether COCs – specifically lead, antimony, copper, and the explosive compounds 2,4,6-trinitrotoluene (TNT), hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX), and octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX) – are present in site soil at concentrations requiring additional characterization and/or remediation in order to meet thresholds specified in the Site 39 ROD Amendment (Army, 2009) for protection of human health and the environment. Previous evaluations at Fort Ord have indicated that lead is the most commonly encountered metal COC and elevated concentrations of antimony and copper are only found in the presence of elevated lead. Therefore, lead is used at Fort Ord as the indicator compound for elevated concentrations of metals COCs. Lead is the only metal analyzed during initial site investigation. For explosives evaluation, TNT, RDX and HMX were all analyzed.

2.0 BACKGROUND

The Combined Units are located within Site 39, which consists of approximately 8,000 acres in the southwest corner of the former Fort Ord, and was originally designated as the Inland Ranges. Site 39 is collocated with the former Impact Area MRA. Removal of munitions and explosives of concern (MEC) is on-going in portions of Site 39. Upon completion of MEC removal in each range area or unit, the BRA evaluation is implemented to identify whether elevated concentrations of COCs (metals and explosives residues) are present. Portions of Site 39 have been previously investigated and remediated. Areas previously remediated were not included in this investigation, and no sampling was performed where remediation has been completed. Details regarding previously completed remediation within the former Impact Area are presented in the *Final Remedial Action Completion Report, Site 39 Inland Ranges Habitat Reserve, Former Fort Ord, California* (Gilbane, 2014).

The Combined Units include 26 known former firing ranges or portions thereof. Throughout the majority of Fort Ord history until base closure, the ranges within the Combined Units were used

for training in tactics and use of various weapons including rifles, automatic weapons, and explosive projectiles. The former uses of each range are summarized in **Table 1**, and are described in greater detail in the *Final Comprehensive Basewide Range Assessment Report* (Shaw, 2012),

Background data for each unit were compiled to provide the historical context of site use and to identify areas of potential concern to be examined further. Compiled data for each unit included historical documentation, data generated during removal operations associated with MEC and munitions debris (MD), and results of previous field reconnaissance and investigations within each unit or in adjacent areas where applicable. The compiled data was further evaluated by performing additional field reconnaissance to examine suspect areas identified from existing data and to identify additional areas of potential concern that may not have been previously identified. All of the acquired data were used to identify historical use patterns and pertinent site features where potential elevated COCs were most likely to be present. Sample location selection criteria included, but were not limited to, nature of range use, types and density of MEC and MD found, locations of former known or suspected targets or firing points, structures, impact berms, accumulations of lead, such as bullets or other lead shrapnel, and other physical evidence found. Additional detail regarding sample location selection is described in the Combined Units Sampling Plan (KEMRON, 2016a, 2016b, 2017, 2018a, 2018b). Based on evaluation of the available data, locations from each unit representing potential worst-case scenarios were identified for sampling as the locations most likely to contain elevated COCs. The analytical results for samples from these suspect locations, which are discussed in **Section 5.0**, were then used to evaluate whether elevated COCs were present at concentrations above the protectiveness thresholds identified in the Site 39 ROD Amendment (Army, 2009) (225 milligrams per kilogram [mg/kg] for lead, 2.7 mg/kg for HMX, 3.1 mg/kg for RDX, and 5.9 mg/kg for TNT) and whether additional characterization was needed to identify the areal extent of the affected soil.

3.0 FIELD ACTIVITIES

Site reconnaissance and field evaluation of site conditions was performed in the summer of 2014. Sampling was performed during February and March 2016 with follow-on work conducted in

September and November 2016, and February and December 2018. Field work was performed in accordance with the specifications in the approved Combined Units Sampling Plan (KEMRON, 2016a, 2016b, 2017, 2018a, 2018b).

3.1 Sample Locating

Locations from each unit representing potential worst-case scenarios were identified in the Combined Units Sampling Plan (KEMRON, 2016a, 2016b, 2017, 2018a, 2018b) as those most likely to contain elevated COCs. To reacquire the selected sampling locations, a global positioning system (GPS) was used to navigate to the specified coordinates for each sample location. The sampling rationale for each location is summarized on **Figures 2** through **8** and in the Combined Units Sampling Plan (KEMRON, 2016a, 2016b, 2017, 2018a, 2018b).

Soil sampling locations identified in the Combined Units Sampling Plan (KEMRON, 2016a, 2016b, 2017, 2018a, 2018b) were proposed locations that were then validated in the field. Final sample locations may be modified in the field for a number of reasons that include relocation for safety concerns associated with magnetic anomaly avoidance; unstable slopes or other unsafe work space; biological avoidance for protection of threatened species, tree roots or other sampling obstructions; or relocation to provide a more representative sample of a suspect feature. Some sample locations were moved slightly from the proposed location. Additional sample locations not specified in the Combined Units Sampling Plan (KEMRON, 2016a, 2016b, 2017, 2018a, 2018b) were added in the field based on observations and professional judgement regarding the potential for elevated COCs. There were 3 additional samples collected in Unit 1 (1-10, 1-11, 1-12), 12 additional samples in Unit 2 (2-65, 2-66, 2-67, 2-68, 2-69, 2-70, 2-71, 2-72, 2-73, 2-74, 2-75, 2-76), 2 additional samples in Unit 3 (3-8, 3-9), and 1 additional sample in Unit 10 (10-27). Their locations are depicted in the appropriate unit-specific figure (**Figures 2** through **8**) and the results are presented on **Table 2** and summarized in **Section 5** below.

Upon completion of sampling, each location was resurveyed using the GPS to confirm the final location coordinates of the sample.

3.2 Sampling

To obtain representative results from each identified suspect location, samples were collected using seven-point incremental sampling as described in (1) U.S. Army Cold Regions Research and Engineering Laboratory, Special Report (SR) 96-15 September 1996, *Assessment of Sampling Error Associated with Collection and Analysis of Soil Samples at Explosives-Contaminated Sites* and (2) Military Munitions Center of Expertise, March 2005, *Technical Update, Munitions Constituent Sampling*. Details regarding implementation of this sampling methodology are provided in the Combined Units Sampling Plan (KEMRON, 2016a, 2016b, 2017, 2018a, 2018b).

Each location was sampled using the seven-point wheel pattern where six soil increments were collected from a circular area approximately 4 feet in diameter and one soil increment was collected from the center. These seven increments were combined into a single bulk sample for later processing and analysis by the laboratory.

Soil samples were collected from the surface (0-6 inches below ground surface [bgs]), 1 foot bgs, and 2 feet bgs. Field duplicate samples were collected at a 10% frequency (for each depth) to document the precision of the sampling process and matrix spike/matrix spike duplicate (MS/MSD) samples were analyzed at a frequency of 5% (from each depth) to establish the applicability of the overall analytical approach to the specific sample matrix. Laboratory processing and analysis was initially performed on the surface samples only. If COCs were not detected in surface samples or were detected at concentrations below thresholds specified in the Site 39 ROD Amendment (Army, 2009), no additional sampling or analysis was performed. If surface concentrations of COCs were found to exceed the concentration thresholds specified in the Site 39 ROD Amendment (Army, 2009), then corresponding deeper samples from both 1 foot bgs and 2 feet bgs were analyzed. Additionally, step-out samples would be collected and analyzed where appropriate to identify the lateral and vertical extent of each area of affected soil. Analytical results are discussed in **Section 5.0**.

3.3 Equipment Decontamination

All down-hole sampling equipment was decontaminated before collection of each depth interval in accordance with the Combined Units Sampling Plan (KEMRON, 2016a, 2016b, 2017, 2018a, 2018b) to minimize the potential for cross-contamination of samples. An equipment rinsate sample (equipment blank) was collected during each day of sampling to evaluate the effectiveness of the decontamination process. Equipment blanks were collected by pouring laboratory-supplied water over the decontaminated equipment and collecting the water into sample containers supplied by the laboratory. Equipment blanks were submitted for laboratory analyses of each COC along with soil samples.

3.4 Sample Documentation, Handling, and Shipping

Sample information was recorded on Chain of Custody forms. The Chain of Custody was kept with the samples and custody control procedures and documentation were maintained at all times. Samples were packaged and shipped in accordance with handling, preservation specifications and holding times as described in the Combined Units Sampling Plan (KEMRON, 2016a, 2016b, 2017, 2018a, 2018b). Samples were shipped to Accutest Laboratories, Orlando, Florida for analyses as described in **Section 4.0**. Note that Accutest Laboratories was acquired by a company called SGS in April 2016.

4.0 SAMPLE ANALYSES

Sample analyses for lead and explosives were performed in accordance with the Combined Units Sampling Plan (KEMRON, 2016a, 2016b, 2017, 2018a, 2018b) by Accutest Laboratories at 4405 Vineland Road, Orlando, Florida, using method:

- SW6010C/3050B modified for lead soil samples
- SW6010C/3010A for equipment rinsate samples associated with lead sampling
- SW8330B for explosives soil samples
- SW8330B/3535A for equipment rinsate samples associated with explosives sampling

The laboratory is accredited under the Department of Defense Environmental Laboratory Accreditation Program (ELAP) for the analyses requested (certification number L2229). Note that Accutest Laboratories was acquired by SGS in April 2016.

Samples were prepared for analyses in accordance with specifications described in the Combined Units Sampling Plan (KEMRON, 2016a, 2016b, 2017, 2018a, 2018b). Preparation included air drying, sieving to segregate fine and coarse fractions and slab cake subsampling. All sample fractions were retained for potential further evaluation pending completion of analyses and data quality evaluation. Results of analyses are summarized in **Section 5.0** and **Table 2**. Copies of laboratory reports are presented in the Chemical Quality Assurance Report (**Appendix A**).

4.1 Data Validation

The resulting laboratory data were validated in accordance with criteria described in the Combined Units Sampling Plan (KEMRON, 2016a, 2016b, 2017, 2018a, 2018b) to verify that project data comply with specifications regarding precision, accuracy, representativeness, comparability, completeness, and sensitivity. The data validation summary is included in the *Chemical Quality Assurance Report (Appendix A)*. Results of the data validation indicate that the data are usable for the intended purpose.

5.0 ANALYTICAL RESULTS

Sampling and laboratory analytical data were evaluated and compared to the concentration thresholds specified in the Site 39 ROD Amendment (Army, 2009) for protection of human health and the environment. Results of sample analyses are provided in **Table 2** and summarized below. Copies of the laboratory analytical reports are presented in **Appendix A**.

5.1 Unit 1

The Combined Units Sampling Plan (KEMRON, 2016a, 2016b, 2017, 2018a, 2018b) originally identified 9 sample locations in Unit 1: 6 sample locations for lead, 1 sample location for explosives, and 2 sample locations for both lead and explosives. Three sample locations were added for lead analyses based on field observations. Explosives (HMX, RDX, and TNT) were not detected in any of the Unit 1 samples that were analyzed for explosive residues. Lead was

detected at concentrations ranging from 1.3 mg/kg (estimated) to 84.8 mg/kg, none of which exceeds the threshold criterion of 225 mg/kg for lead (**Table 2**). Sample locations and summarized analytical results are presented on **Figure 2**.

5.2 Unit 2

The Combined Units Sampling Plan (KEMRON, 2016a, 2016b, 2017, 2018a, 2018b) originally identified 64 sample locations in Unit 2: 63 locations for lead, and 1 location for both lead and explosives. Three proposed sample locations (02-09, 02-12, and 02-13) were eliminated. Explosives were proposed for location 02-09, which was coincident with lead sample location 02-17; therefore location 02-17 included both lead and explosives analyses and location 02-09 was eliminated. The site feature associated with proposed sample locations 2-12 and 2-13 was the same feature associated with sample locations 2-14 and 2-15. Therefore proposed locations 2-12 and 2-13 were redundant and were not collected. Twelve sample locations were added for lead analyses based on field observations. Explosives were not detected in any of the Unit 2 samples that were analyzed for explosive residues. Detected lead concentrations ranged from 4.7 mg/kg (estimated) to 214 mg/kg. All lead detections (**Table 2**) were below the 225 mg/kg threshold specified in the Site 39 ROD Amendment (Army, 2009). Sample locations and summarized analytical results are presented on **Figure 3**.

5.3 Unit 3

The Combined Units Sampling Plan (KEMRON, 2016a, 2016b, 2017, 2018a, 2018b) originally identified 7 sample locations in Unit 3: 6 samples for lead, 1 sample for lead and explosives. Explosives analysis was added to sample location 03-07 and two sample locations, both for lead and explosives analyses, were added based on field observations. Explosives were not detected in any of the Unit 3 samples that were analyzed for explosive residues. Lead was detected at values ranging from 3.1 mg/kg to 159 mg/kg (estimated), none of which exceeds the 225 mg/kg protectiveness threshold for lead (**Table 2**). Sample locations and summarized analytical results are presented on **Figure 4**.

5.4 Unit 7

The Combined Units Sampling Plan (KEMRON, 2016a, 2016b, 2017, 2018a, 2018b) identified 20 sample locations in Unit 7: 14 locations for lead, 5 samples for lead and explosives, and 1 location for explosives only. Explosives were not detected in any of the Unit 7 samples that were analyzed for explosive residues. Lead was detected at concentrations ranging from 1.8 mg/kg (estimated) to 136 mg/kg (estimated). All lead detections (**Table 2**) were below the protectiveness threshold of 225 mg/kg specified in the Site 39 ROD Amendment (Army, 2009). Sample locations and summarized analytical results are presented on **Figure 5**.

5.5 Unit 10

The Combined Units Sampling Plan (KEMRON, 2016a, 2016b, 2017, 2018a, 2018b) originally identified 26 sample locations in Unit 10: 24 samples for lead, 2 samples for lead and explosives. An additional sample location (10-27) was added for lead analysis based on field observations. Explosives were not detected in any of the Unit 10 samples that were analyzed for explosive residues. Detected lead concentrations ranged from 2.8 mg/kg to 146 mg/kg. All lead detections (**Table 2**) were below the protectiveness threshold of 225 mg/kg specified in the Site 39 ROD Amendment (Army, 2009). Sample locations and summarized analytical results are presented on **Figure 6**.

5.6 Unit 33

The Combined Units Sampling Plan (KEMRON, 2016a, 2016b, 2017, 2018a, 2018b) originally identified 13 sample locations in Unit 33 for lead evaluation. Lead was detected at each primary sample location at concentrations ranging from 2.3 mg/kg to 566 mg/kg (**Table 2, Figure 7**). The single lead detection above the 225 mg/kg threshold specified in the Site 39 ROD Amendment (Army 2009) in primary sample locations was reported in the initial surface sample at location 33-01, which was a known former target location.

Based on the concentration of lead in the surface sample from location 33-01, the corresponding deeper samples were analyzed (soil samples were collected from the surface [0-6 inches bgs], 1 foot bgs, and 2 feet bgs) and additional sampling was conducted to identify the lateral and vertical extent of affected soil. This was accomplished by stepping outward radially in the four

cardinal directions from location 33-01. Each of the initial surface step-out samples also exceeded the clean-up level. Based on the results of the initial step-out sample analyses, additional step-out samples were collected to provide spatial delineation of elevated lead concentrations where previously there was insufficient data (directly downrange of the former location 33-01 target and to the northeast and east). Additional step-out samples were not collected to the south or southwest of location 33-01 because Foul Bore Road and areas to the south were included in previously completed remediation in HA-27, Range 27, Fire Movement Course. The remedial action of Range 27 was conducted in November 2009 (Shaw, 2012). Where concentrations in surface samples exceeded the 225 mg/kg threshold, the corresponding step-down samples were also analyzed to evaluate lead concentrations in deeper soil. With the exception of sample location 33-01-SO15, elevated lead concentrations were not detected in any of the step-down samples, indicating that the affected area is limited to surface soil and does not extend significantly below the surface. It is unknown why 33-01-SO15 had an elevated concentration of lead at one-foot depth.

5.6.1 Unit 33 Additional Data Evaluation

Additional evaluation was performed regarding the area of elevated lead concentrations in the vicinity of sample location 33-01 and associated step-out sample locations in the context of protectiveness criteria and remediation thresholds specified in the Site 39 ROD Amendment (Army, 2009). To achieve that objective, an area-weighted-average (AWA) lead concentration was calculated for comparison to the 225 mg/kg protectiveness threshold.

The AWA for the southern portion of former Range 27 within Unit 33 was calculated using the same methodology applied in the *Ecological Risk Assessment for Site 39 Ranges Habitat Areas, Impact Area Former Fort Ord, California Revision 1* (Shaw/MACTEC, 2012) to develop the protectiveness thresholds subsequently used in the Site 39 ROD Amendment (Army, 2009). This process assumes that a given sample concentration is representative of the area surrounding the sample to a point midway between that sample and an adjacent sample. By connecting all midpoints adjacent to a given sample location, a polygon (Theissen polygon) is generated around the sample location and the entire area within the polygon is assumed to have the same concentration

as the sample location. Similar polygons are generated around each sample location (**Figure 9**) so that the entire area is overlain by polygons and all polygons have an assigned concentration.

Where no adjacent sample was present, the corresponding polygon boundary was placed at the known range fan boundary, along Foul Bore Road coincident with the boundary of the previously remediated area, or a hypothetical mid-point was assigned.

A weight-percent value was calculated for each polygon and the resulting values for all polygons were summed to obtain the AWA using the formula:

$$\text{Area Weighted Average}_x = \sum_{i=1}^n \left(C \frac{A_i}{A_R} \right)$$

where:

Area Weighted Average_x = area-weighted soil concentration for COC within Area x (mg/kg);

n = total number of sample locations or polygons within the Area;

C_i = concentration of COC in soil at the sample location i (mg/kg);

A_i = area of polygon for sample location i (square feet); and

A_R = total area of sample group (square feet).

Table 3 summarizes the calculated polygon areas, weighted concentrations, and AWA. The resulting AWA for lead calculated for the approximately 4.5-acre area illustrated on **Figure 9** is 244.6 mg/kg.

5.7 Watkins Gate Burn Area

The Combined Units Sampling Plan (KEMRON, 2016a, 2016b, 2017, 2018a, 2018b) originally identified 9 sample locations in the WGBA: 7 locations for lead analyses and 2 locations for analyses of both lead and explosives. However, explosives analysis was added to sample location WG-07 based on additional field observations. Explosives were not detected in any of the WGBA samples that were analyzed for explosive residues. Lead was detected at values ranging from 6.7 mg/kg to 130 mg/kg, none of which exceeds the protectiveness threshold of 225 mg/kg

for lead (**Table 2**). Sample locations and summarized analytical results are presented on **Figure 8**.

5.8 Equipment Rinsate

An equipment rinsate sample (equipment blank) was collected during each day of sampling to evaluate the effectiveness of the decontamination process. Rinsate samples were collected for both explosives and lead. A trace amount of lead was detected in four rinsate samples. No COCs were detectable in any other rinsate samples and detections are not believed to significantly alter the interpretation of site data. For water, one microgram per liter is equal to one part per billion (ppb); therefore, the rinsate detections each equal less than 2 ppb, whereas the soil results are reported in parts per million. Therefore, the trace detections represent a quantity of lead that would not affect the outcome of the soil lead analyses. The cause of the trace detections is unknown. The equipment decontamination procedures specified in the Combined Units Sampling Plan (KEMRON, 2016a, 2016b, 2017, 2018a, 2018b) were rigorously followed.

6.0 RECOMMENDATIONS

Evaluation of analytical results for soil samples indicates that no explosive residues were detected in any of the samples analyzed. Therefore, elevated concentrations of explosive residues do not appear to be present within Units 1, 2, 3, 7, 10, 33, and WGBA North and South. No further action is recommended regarding explosive residues in these units.

Evaluation of site data indicates that concentrations of lead do not exceed the protectiveness thresholds specified in the Site 39 ROD Amendment (Army, 2009) within Units 1, 2, 3, 7, 10, and WGBA North and South. Therefore, elevated concentrations do not appear to be present within these units. No further action is recommended regarding metals in soil in these units.

In Unit 33, concentrations of lead did not exceed the protectiveness thresholds specified in the Site 39 ROD Amendment (Army, 2009) with the exception of sample location 33-01 and associated step-out samples where concentrations up to 932 mg/kg were reported in surface soil samples (**Table 2** and **Figure 7**). Based on evaluation of analytical results, the spatial extent of elevated lead concentrations in surface soil surrounding the former target was identified. Results

of sample analyses were used to calculate an AWA concentration as described in **Section 5.6.1** for comparison with the 225 mg/kg protectiveness threshold for lead specified in the Site 39 ROD Amendment (Army, 2009). The calculated AWA value of 244.6 mg/kg is greater than the 225 mg/kg protectiveness threshold (**Table 3**).

Based on the Habitat Quality Assessment Memorandum provided in **Appendix B**, Unit 33 is comprised of “Very High” quality habitat. Therefore, limited remediation of soils is recommended to bring the AWA below the protectiveness threshold and maintain the habitat. To minimize the disturbance to the landscape and maximize the results of the remediation, polygons with the highest lead concentration and nearest the road were chosen. This includes polygons D, C, M, and half of B. **Figure 9** depicts the polygons proposed for remediation. The total area proposed for lead remediation is 5,550 square feet or 206 square yards to a depth of one foot. **Table 3** indicates that the removal of lead contaminated soil in these polygons would lower the AWA to 216.5 mg/kg, which is below the cleanup level of 225 mg/kg. The proposed remediated area could change based on biological input. Details of the soil removal will be provided in a future remediation plan.

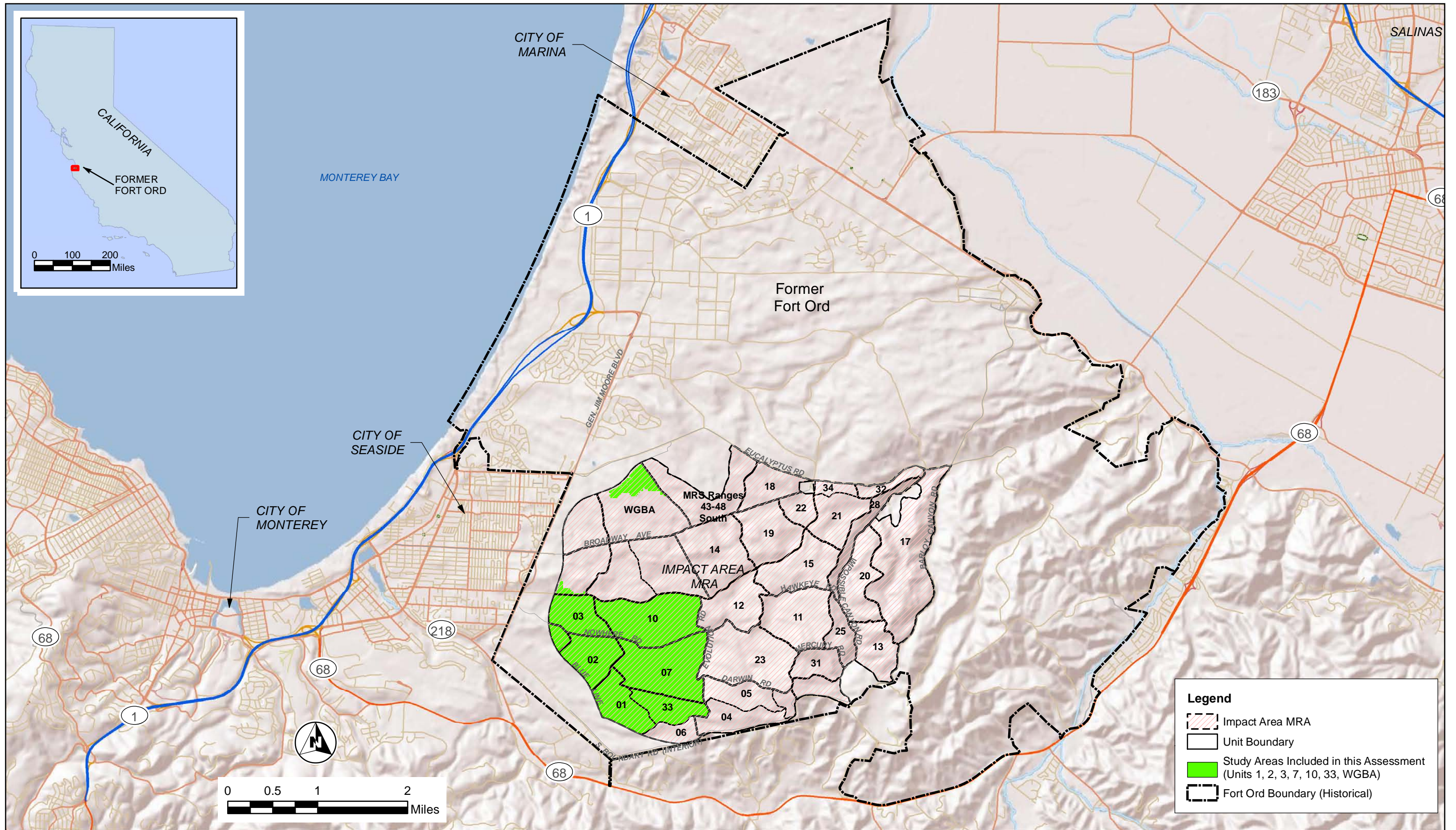
7.0 REFERENCES

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- IT Corporation/Harding Lawson Associates, 2001. *Draft Final Basewide Range Assessment Work Plan and Contractor Quality Control Plan Small Arms and Multi-Use Ranges Former Fort Ord, California*. [AR# BW-2085A]
- KEMRON, 2016a. *Final Units 1, 2, 3, 7, 10, 33, and Watkins Gate Burn Area North and South (WGBA) Sampling Work Plan Former Fort Ord, California*. [AR# BW-2751B]
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Note: Applicable Administrative Record document numbers are listed in brackets. The Administrative Record can be found at <http://fortordcleanup.com/documents/search/>.

Figures



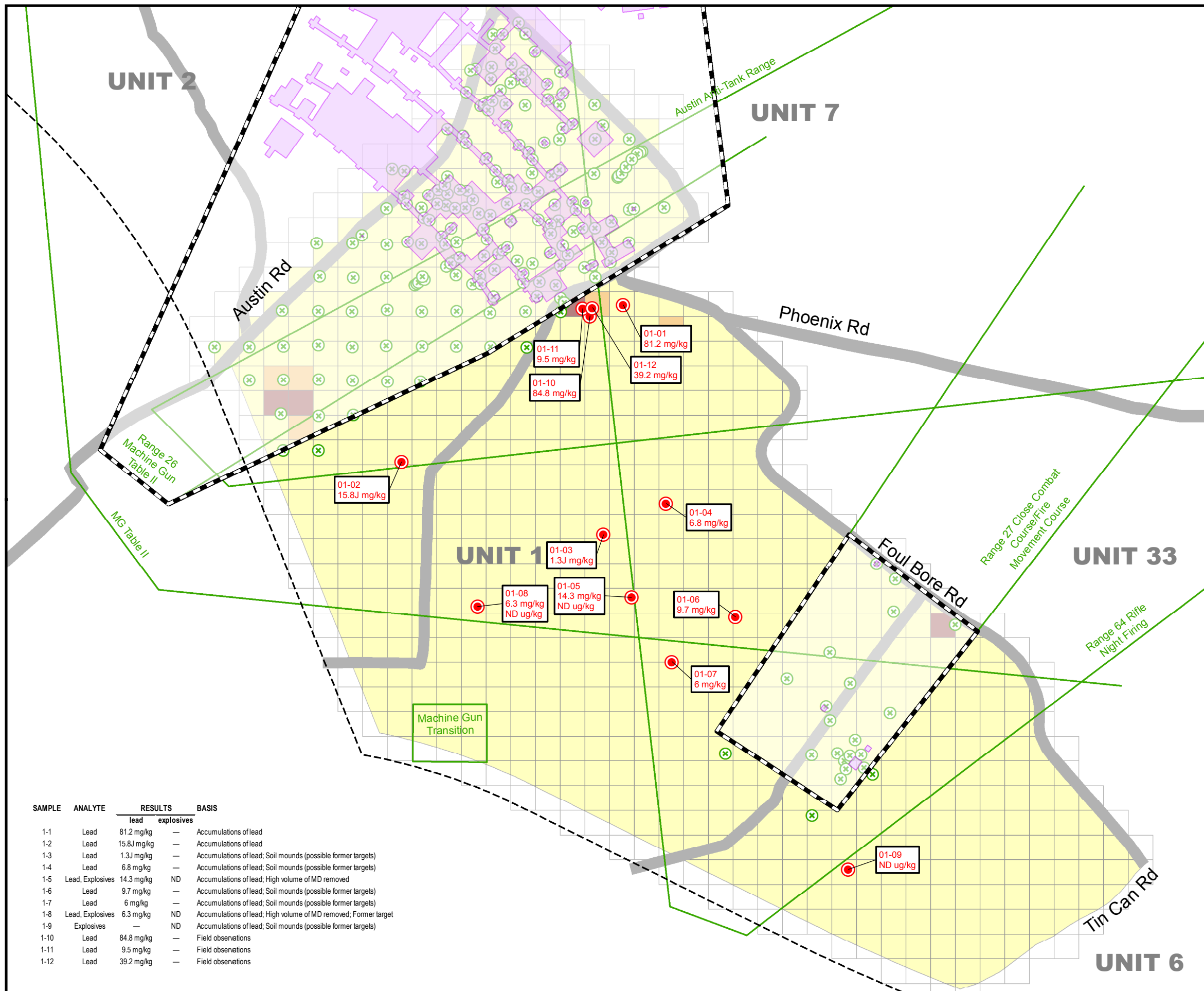
Legend

-  Impact Area MRA
-  Unit Boundary
-  Study Areas Included in this Assessment (Units 1, 2, 3, 7, 10, 33, WGBA)
-  Fort Ord Boundary (Historical)



**Site Evaluation Results and Work Plan for Additional Investigation
 Basewide Range Assessment Investigation (Units 1, 2, 3, 7, 10, 33, WGBA)
 Former Fort Ord, California**

Figure 1
 Location Map



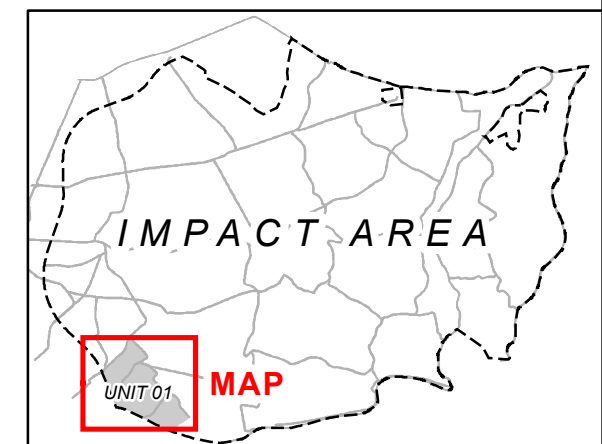
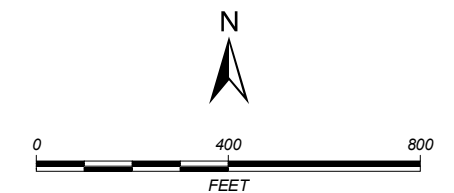
- Sample Location with Lead Results in milligrams per kilogram (mg/kg) and Explosives Results in micrograms per kilogram (ug/kg) where analyzed
- ⊗ Previous Sample Location

MD Weight Removed

- < 50 Lbs MD
- 50 - 100 Lbs MD
- > 100 Lbs MD

- Range Fan
- Previous Remediation Area
- Area of Previously Completed Remediation or Characterization (not included in this evaluation)
- Permanent Fuel Break
- Impact Area Boundary

Note:
Samples not displaying results for explosives were analyzed for lead only.



SAMPLE	ANALYTE	RESULTS		BASIS
		lead	explosives	
1-1	Lead	81.2 mg/kg	—	Accumulations of lead
1-2	Lead	15.8J mg/kg	—	Accumulations of lead
1-3	Lead	1.3J mg/kg	—	Accumulations of lead; Soil mounds (possible former targets)
1-4	Lead	6.8 mg/kg	—	Accumulations of lead; Soil mounds (possible former targets)
1-5	Lead, Explosives	14.3 mg/kg	ND	Accumulations of lead; High volume of MD removed
1-6	Lead	9.7 mg/kg	—	Accumulations of lead; Soil mounds (possible former targets)
1-7	Lead	6 mg/kg	—	Accumulations of lead; Soil mounds (possible former targets)
1-8	Lead, Explosives	6.3 mg/kg	ND	Accumulations of lead; High volume of MD removed; Former target
1-9	Explosives	—	ND	Accumulations of lead; Soil mounds (possible former targets)
1-10	Lead	84.8 mg/kg	—	Field observations
1-11	Lead	9.5 mg/kg	—	Field observations
1-12	Lead	39.2 mg/kg	—	Field observations

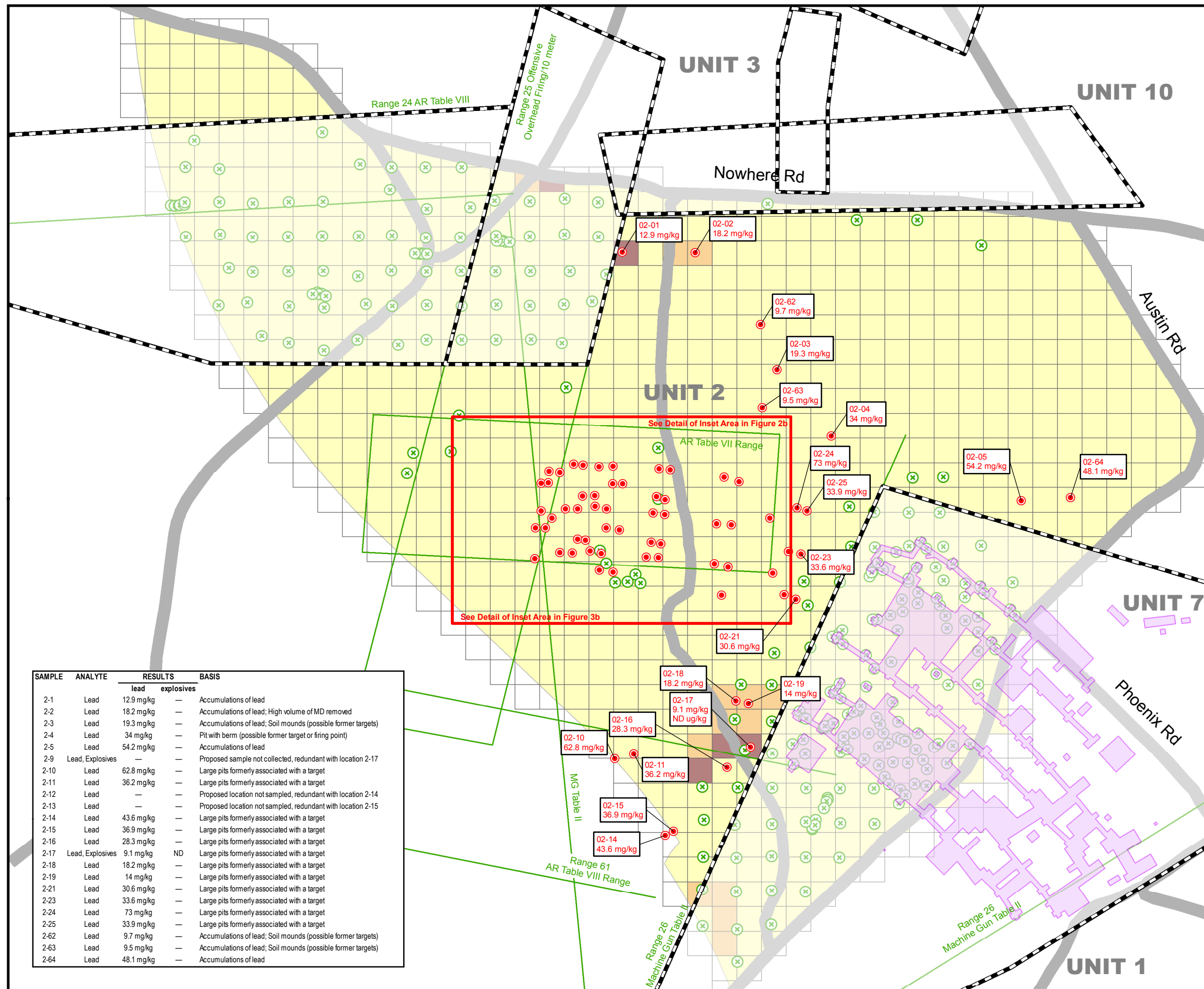
U.S. ARMY CORPS OF ENGINEERS
SACRAMENTO DISTRICT

FIGURE NUMBER
2

FORMER FORT ORD
Unit 1 Soil Analytical Results



DATE	PROJECT NUMBER	FILE NAME
2/1/2017		See Footer



Sample Location with Lead Results in milligrams per kilogram (mg/kg) and Explosives Results in micrograms per kilogram (ug/kg) where analyzed

⊗ Previous Sample Location

MD Weight Removed

- < 50 Lbs MD
- 50 - 100 Lbs MD
- > 100 Lbs MD

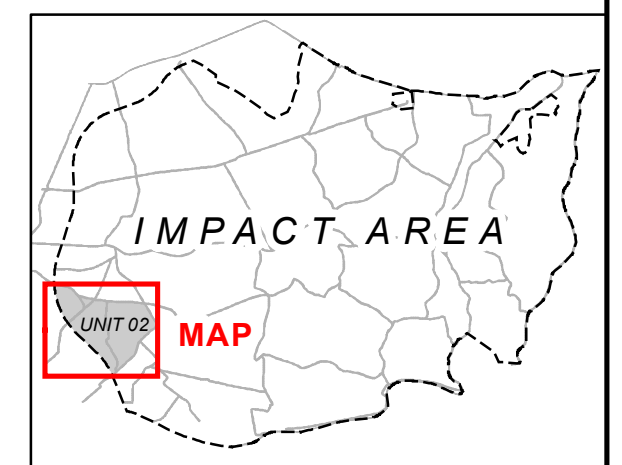
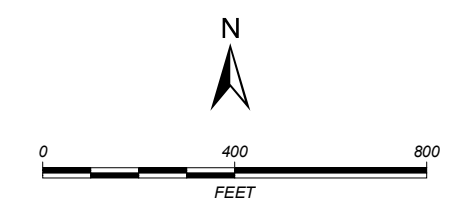
Range Fan

Previous Remediation Area

Area of Previously Completed Remediation or Characterization (not included in this evaluation)

Permanent Fuel Break

Note:
Samples not displaying results for explosives were analyzed for lead only.



SAMPLE	ANALYTE	RESULTS		BASIS
		lead	explosives	
2-1	Lead	12.9 mg/kg	—	Accumulations of lead
2-2	Lead	18.2 mg/kg	—	Accumulations of lead; High volume of MD removed
2-3	Lead	19.3 mg/kg	—	Accumulations of lead; Soil mounds (possible former targets)
2-4	Lead	34 mg/kg	—	Pit with berm (possible former target or firing point)
2-5	Lead	54.2 mg/kg	—	Accumulations of lead
2-9	Lead, Explosives	—	—	Proposed sample not collected, redundant with location 2-17
2-10	Lead	62.8 mg/kg	—	Large pits formerly associated with a target
2-11	Lead	36.2 mg/kg	—	Large pits formerly associated with a target
2-12	Lead	—	—	Proposed location not sampled, redundant with location 2-14
2-13	Lead	—	—	Proposed location not sampled, redundant with location 2-15
2-14	Lead	43.6 mg/kg	—	Large pits formerly associated with a target
2-15	Lead	36.9 mg/kg	—	Large pits formerly associated with a target
2-16	Lead	28.3 mg/kg	—	Large pits formerly associated with a target
2-17	Lead, Explosives	9.1 mg/kg	ND	Large pits formerly associated with a target
2-18	Lead	18.2 mg/kg	—	Large pits formerly associated with a target
2-19	Lead	14 mg/kg	—	Large pits formerly associated with a target
2-21	Lead	30.6 mg/kg	—	Large pits formerly associated with a target
2-23	Lead	33.6 mg/kg	—	Large pits formerly associated with a target
2-24	Lead	73 mg/kg	—	Large pits formerly associated with a target
2-25	Lead	33.9 mg/kg	—	Large pits formerly associated with a target
2-62	Lead	9.7 mg/kg	—	Accumulations of lead; Soil mounds (possible former targets)
2-63	Lead	9.5 mg/kg	—	Accumulations of lead; Soil mounds (possible former targets)
2-64	Lead	48.1 mg/kg	—	Accumulations of lead

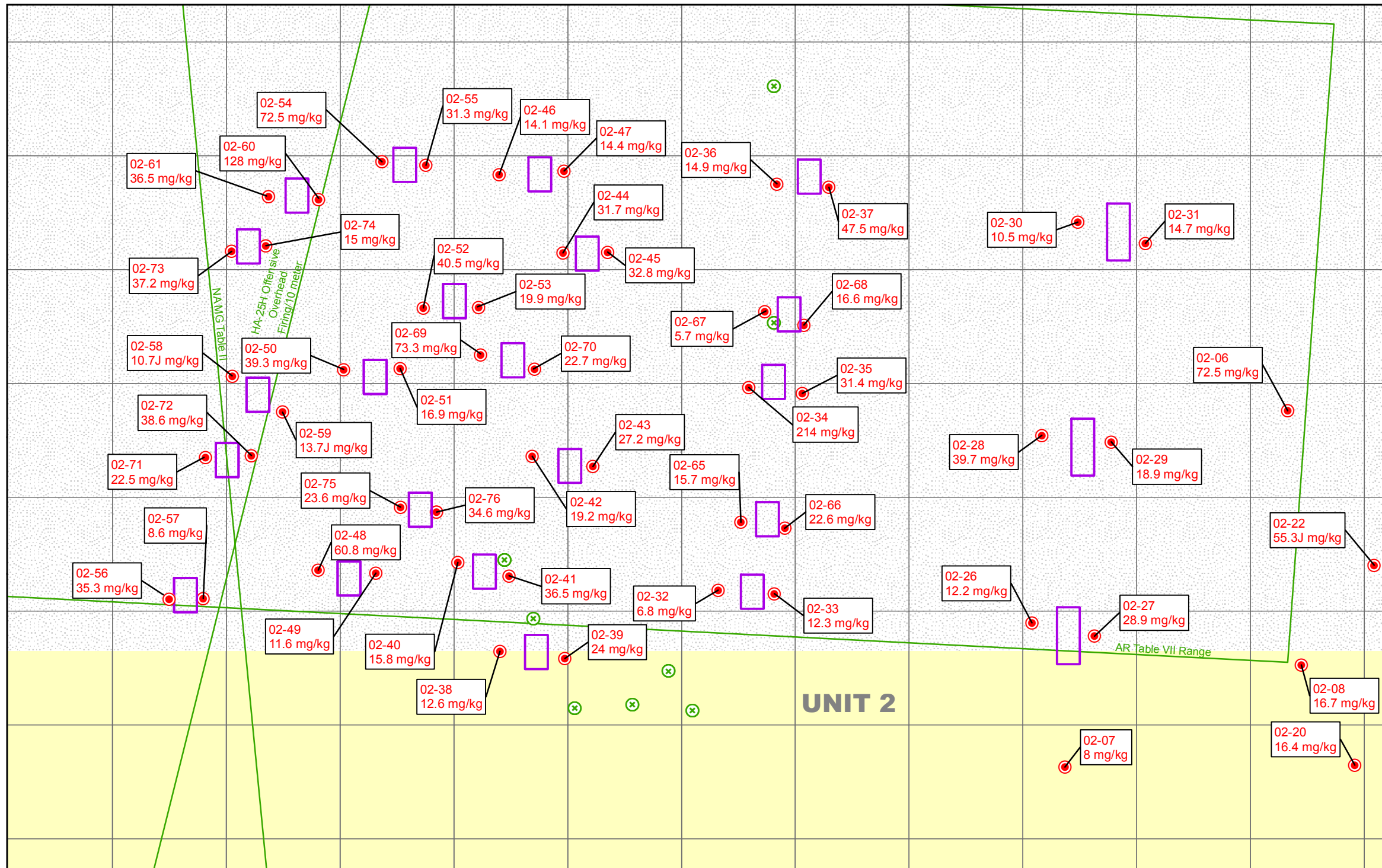
U.S. ARMY CORPS OF ENGINEERS
SACRAMENTO DISTRICT

FIGURE NUMBER
3

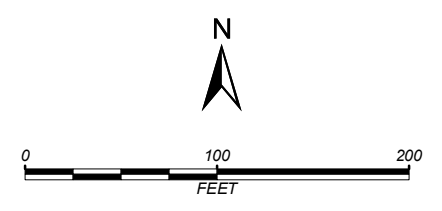
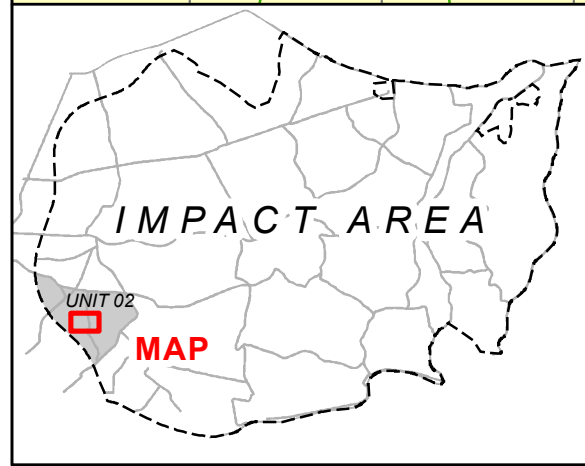
FORMER FORT ORD
Unit 2 Soil Analytical Results

Gilbane **KEMRON**

DATE	PROJECT NUMBER	FILE NAME
2/1/2017	141234	See Footer



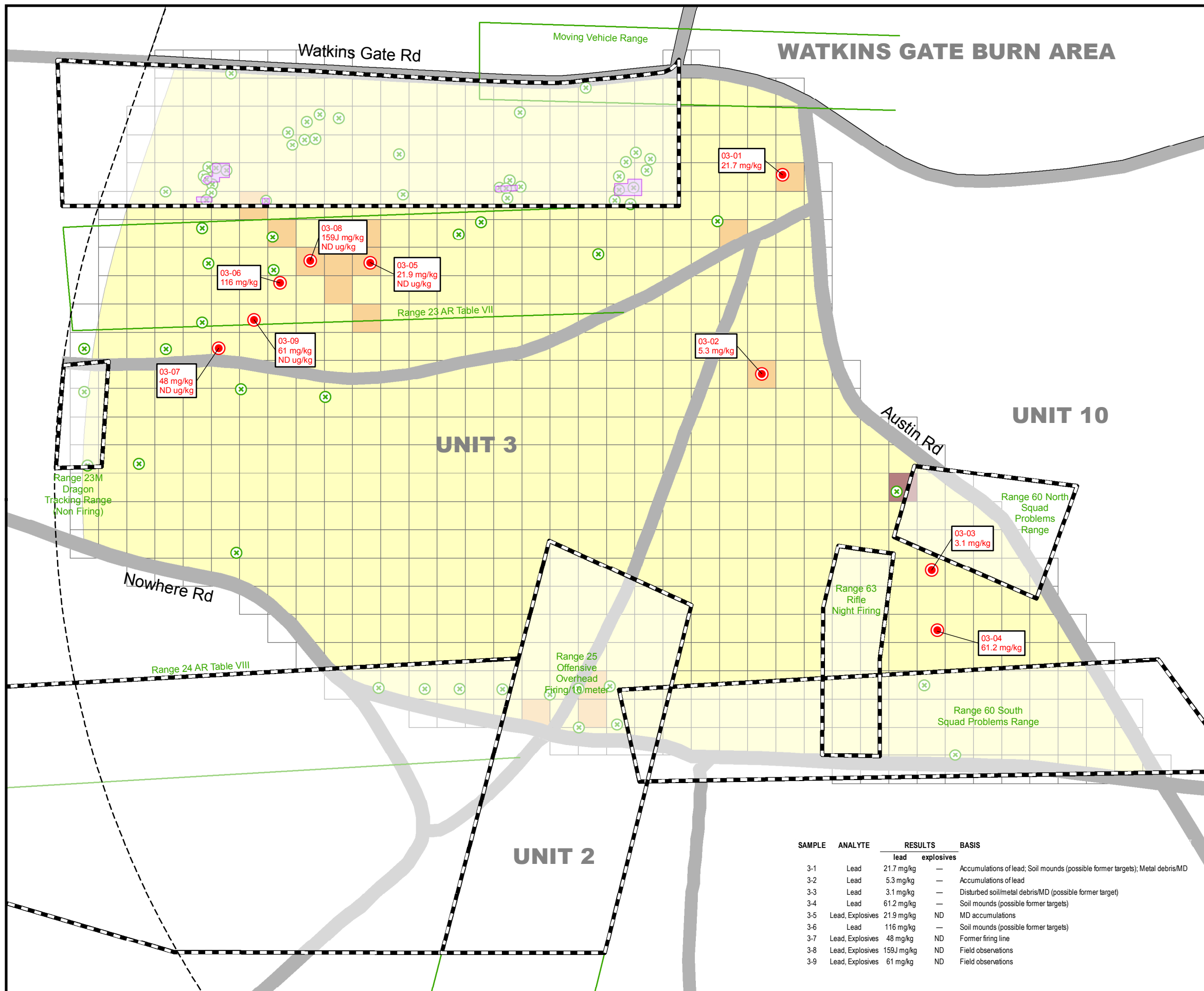
SAMPLE	ANALYTE	RESULTS		BASIS
		lead	explosives	
2-6	Lead	72.5 mg/kg	—	Accumulations of lead; Soil mounds (possible former targets)
2-7	Lead	8 mg/kg	—	Accumulations of lead
2-8	Lead	16.7 mg/kg	—	Accumulations of lead
2-20	Lead	16.4 mg/kg	—	Large pits formerly associated with a target
2-22	Lead	55.3J mg/kg	—	Large pits formerly associated with a target
2-26	Lead	12.2 mg/kg	—	Large pits formerly associated with a target
2-27	Lead	28.9 mg/kg	—	Large pits formerly associated with a target
2-28	Lead	39.7 mg/kg	—	Large pits formerly associated with a target
2-29	Lead	18.9 mg/kg	—	Large pits formerly associated with a target
2-30	Lead	10.5 mg/kg	—	Large pits formerly associated with a target
2-31	Lead	14.7 mg/kg	—	Large pits formerly associated with a target
2-32	Lead	6.8 mg/kg	—	Large pits formerly associated with a target
2-33	Lead	12.3 mg/kg	—	Large pits formerly associated with a target
2-34	Lead	214 mg/kg	—	Large pits formerly associated with a target
2-35	Lead	31.4 mg/kg	—	Large pits formerly associated with a target
2-36	Lead	14.9 mg/kg	—	Large pits formerly associated with a target
2-37	Lead	47.5 mg/kg	—	Large pits formerly associated with a target
2-38	Lead	12.6 mg/kg	—	Large pits formerly associated with a target
2-39	Lead	24 mg/kg	—	Large pits formerly associated with a target
2-40	Lead	15.8 mg/kg	—	Large pits formerly associated with a target
2-41	Lead	36.5 mg/kg	—	Large pits formerly associated with a target
2-42	Lead	19.2 mg/kg	—	Large pits formerly associated with a target
2-43	Lead	27.2 mg/kg	—	Large pits formerly associated with a target
2-44	Lead	31.7 mg/kg	—	Large pits formerly associated with a target
2-45	Lead	32.8 mg/kg	—	Large pits formerly associated with a target
2-46	Lead	14.1 mg/kg	—	Large pits formerly associated with a target
2-47	Lead	14.4 mg/kg	—	Large pits formerly associated with a target
2-48	Lead	60.8 mg/kg	—	Large pits formerly associated with a target
2-49	Lead	11.6 mg/kg	—	Large pits formerly associated with a target
2-50	Lead	39.3 mg/kg	—	Large pits formerly associated with a target
2-51	Lead	16.9 mg/kg	—	Large pits formerly associated with a target
2-52	Lead	40.5 mg/kg	—	Large pits formerly associated with a target
2-53	Lead	19.9 mg/kg	—	Large pits formerly associated with a target
2-54	Lead	72.5 mg/kg	—	Large pits formerly associated with a target
2-55	Lead	31.3 mg/kg	—	Large pits formerly associated with a target
2-56	Lead	35.3 mg/kg	—	Large pits formerly associated with a target
2-57	Lead	8.6 mg/kg	—	Large pits formerly associated with a target
2-58	Lead	10.7J mg/kg	—	Large pits formerly associated with a target
2-59	Lead	13.7J mg/kg	—	Large pits formerly associated with a target
2-60	Lead	128 mg/kg	—	Large pits formerly associated with a target
2-61	Lead	36.5 mg/kg	—	Large pits formerly associated with a target
2-65	Lead	15.7 mg/kg	—	Field Observations
2-66	Lead	22.6 mg/kg	—	Field Observations
2-67	Lead	5.7 mg/kg	—	Field Observations
2-68	Lead	16.6 mg/kg	—	Field Observations
2-69	Lead	73.3 mg/kg	—	Field Observations
2-70	Lead	22.7 mg/kg	—	Field Observations
2-71	Lead	22.5 mg/kg	—	Field Observations
2-72	Lead	38.6 mg/kg	—	Field Observations
2-73	Lead	37.2 mg/kg	—	Field Observations
2-74	Lead	15 mg/kg	—	Field Observations
2-75	Lead	23.6 mg/kg	—	Field Observations
2-76	Lead	34.6 mg/kg	—	Field Observations



- Sample Location with Lead Results in milligrams per kilogram (mg/kg) and Explosives Results in micrograms per kilogram (ug/kg) where analyzed
- ⊗ Previous Sample Location
- Pop-up Target Pit (location approximate)
- Range Fan
- MD Weight Removed
 - < 50 Lbs MD
 - 50 - 100 Lbs MD
 - > 100 Lbs MD

Note:
Samples not displaying results for explosives were analyzed for lead only.

U.S. ARMY CORPS OF ENGINEERS SACRAMENTO DISTRICT		
FIGURE NUMBER 3a	FORMER FORT ORD Unit 2 Soil Analytical Results	
DATE 2/1/2017	PROJECT NUMBER 141234	FILE NAME See Footer



Sample Location with Lead Results in milligrams per kilogram (mg/kg) and Explosives Results in micrograms per kilogram (ug/kg) where analyzed

Previous Sample Location

MD Weight Removed

- < 50 Lbs MD
- 50 - 100 Lbs MD
- > 100 Lbs MD

Range Fan

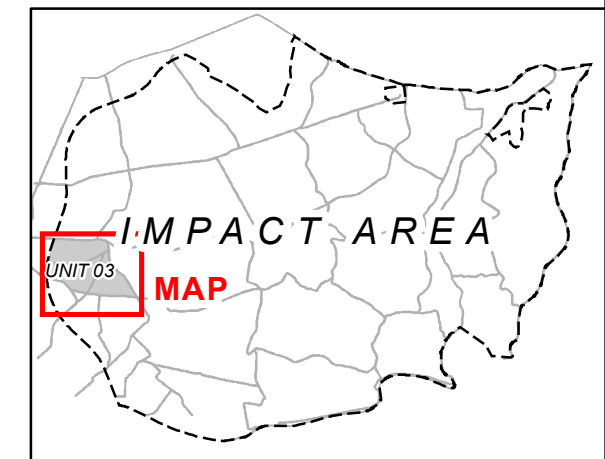
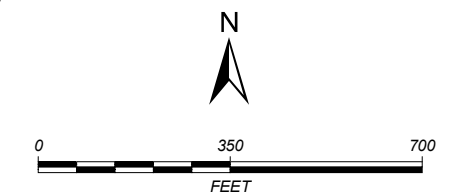
Previous Remediation Area

Area of Previously Completed Remediation or Characterization (not included in this evaluation)

Permanent Fuel Break

Impact Area Boundary

Note:
Samples not displaying results for explosives were analyzed for lead only.



U.S. ARMY CORPS OF ENGINEERS
SACRAMENTO DISTRICT

FIGURE NUMBER
4

FORMER FORT ORD
Unit 3 Soil Analytical Results

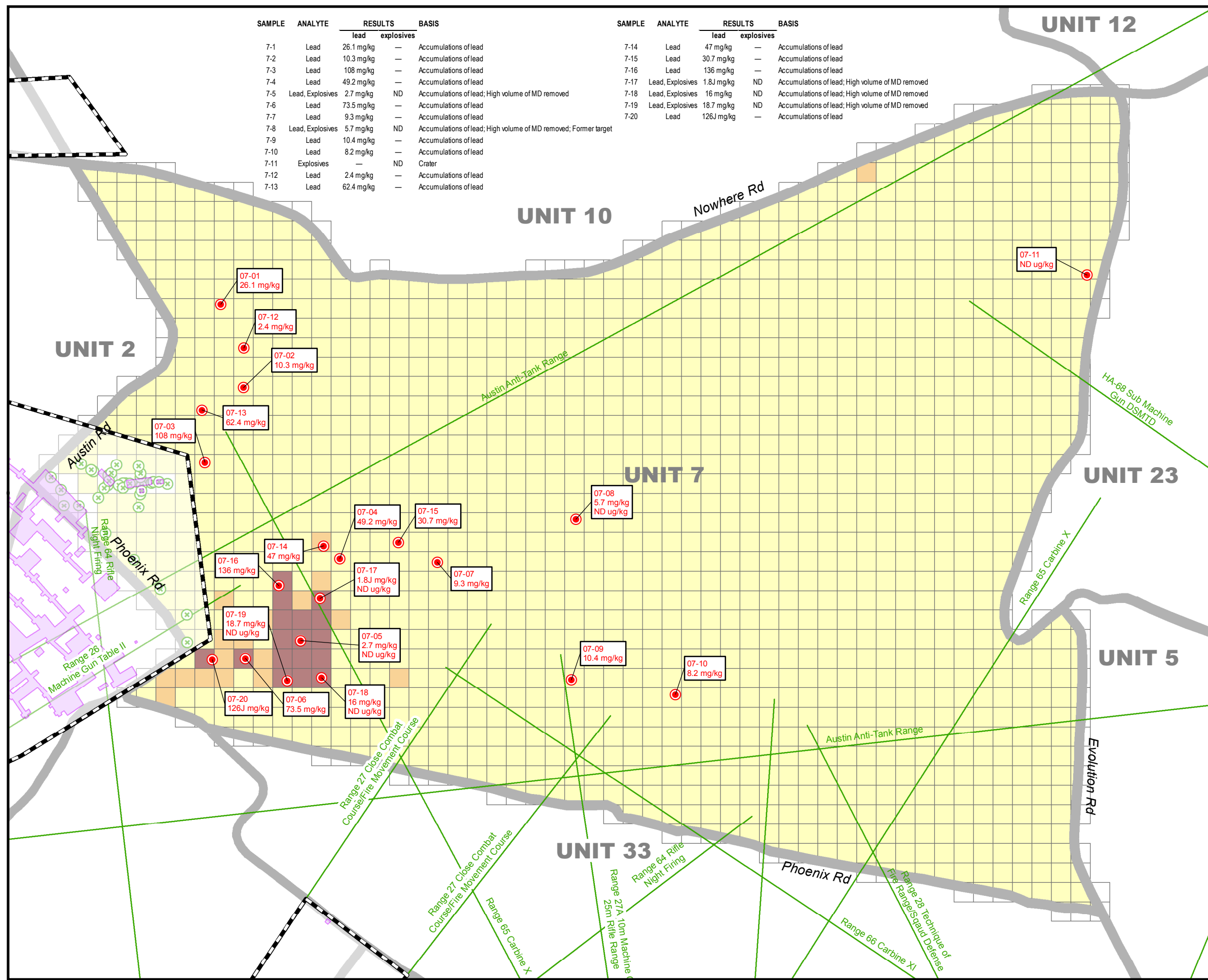
Gilbane KEMRON

DATE	PROJECT NUMBER	FILE NAME
2/1/2017		See Footer

SAMPLE	ANALYTE	RESULTS		BASIS
		lead	explosives	
3-1	Lead	21.7 mg/kg	—	Accumulations of lead; Soil mounds (possible former targets); Metal debris/MD
3-2	Lead	5.3 mg/kg	—	Accumulations of lead
3-3	Lead	3.1 mg/kg	—	Disturbed soil/metal debris/MD (possible former target)
3-4	Lead	61.2 mg/kg	—	Soil mounds (possible former targets)
3-5	Lead, Explosives	21.9 mg/kg	ND	MD accumulations
3-6	Lead	116 mg/kg	—	Soil mounds (possible former targets)
3-7	Lead, Explosives	48 mg/kg	ND	Former firing line
3-8	Lead, Explosives	159J mg/kg	ND	Field observations
3-9	Lead, Explosives	61 mg/kg	ND	Field observations

SAMPLE	ANALYTE	RESULTS		BASIS
		lead	explosives	
7-1	Lead	26.1 mg/kg	—	Accumulations of lead
7-2	Lead	10.3 mg/kg	—	Accumulations of lead
7-3	Lead	108 mg/kg	—	Accumulations of lead
7-4	Lead	49.2 mg/kg	—	Accumulations of lead
7-5	Lead, Explosives	2.7 mg/kg	ND	Accumulations of lead; High volume of MD removed
7-6	Lead	73.5 mg/kg	—	Accumulations of lead
7-7	Lead	9.3 mg/kg	—	Accumulations of lead
7-8	Lead, Explosives	5.7 mg/kg	ND	Accumulations of lead; High volume of MD removed; Former target
7-9	Lead	10.4 mg/kg	—	Accumulations of lead
7-10	Lead	8.2 mg/kg	—	Accumulations of lead
7-11	Explosives	—	ND	Crater
7-12	Lead	2.4 mg/kg	—	Accumulations of lead
7-13	Lead	62.4 mg/kg	—	Accumulations of lead

SAMPLE	ANALYTE	RESULTS		BASIS
		lead	explosives	
7-14	Lead	47 mg/kg	—	Accumulations of lead
7-15	Lead	30.7 mg/kg	—	Accumulations of lead
7-16	Lead	136 mg/kg	—	Accumulations of lead
7-17	Lead, Explosives	1.8J mg/kg	ND	Accumulations of lead; High volume of MD removed
7-18	Lead, Explosives	16 mg/kg	ND	Accumulations of lead; High volume of MD removed
7-19	Lead, Explosives	18.7 mg/kg	ND	Accumulations of lead; High volume of MD removed
7-20	Lead	126J mg/kg	—	Accumulations of lead



● Sample Location with Lead Results in milligrams per kilogram (mg/kg) and Explosives Results in micrograms per kilogram (ug/kg) where analyzed

⊗ Previous Sample Location

MD Weight Removed

- < 50 Lbs MD
- 50 - 100 Lbs MD
- > 100 Lbs MD

∠ Range Fan

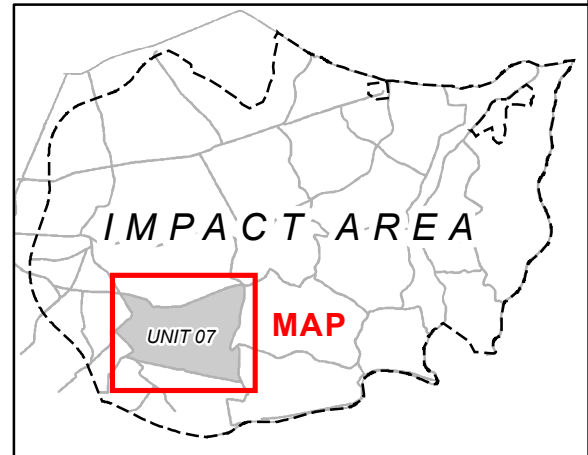
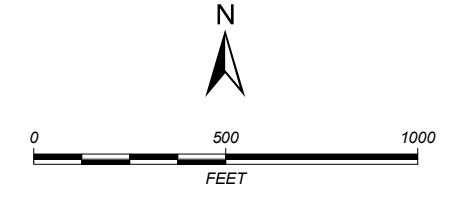
Previous Remediation Area

Area of Previously Completed Remediation or Characterization (not included in this evaluation)

Permanent Fuel Break

Note:
Samples not displaying results for explosives were analyzed for lead only.

* The suspect feature evaluated was an explosion crater, therefore only explosives residues were proposed for analyses



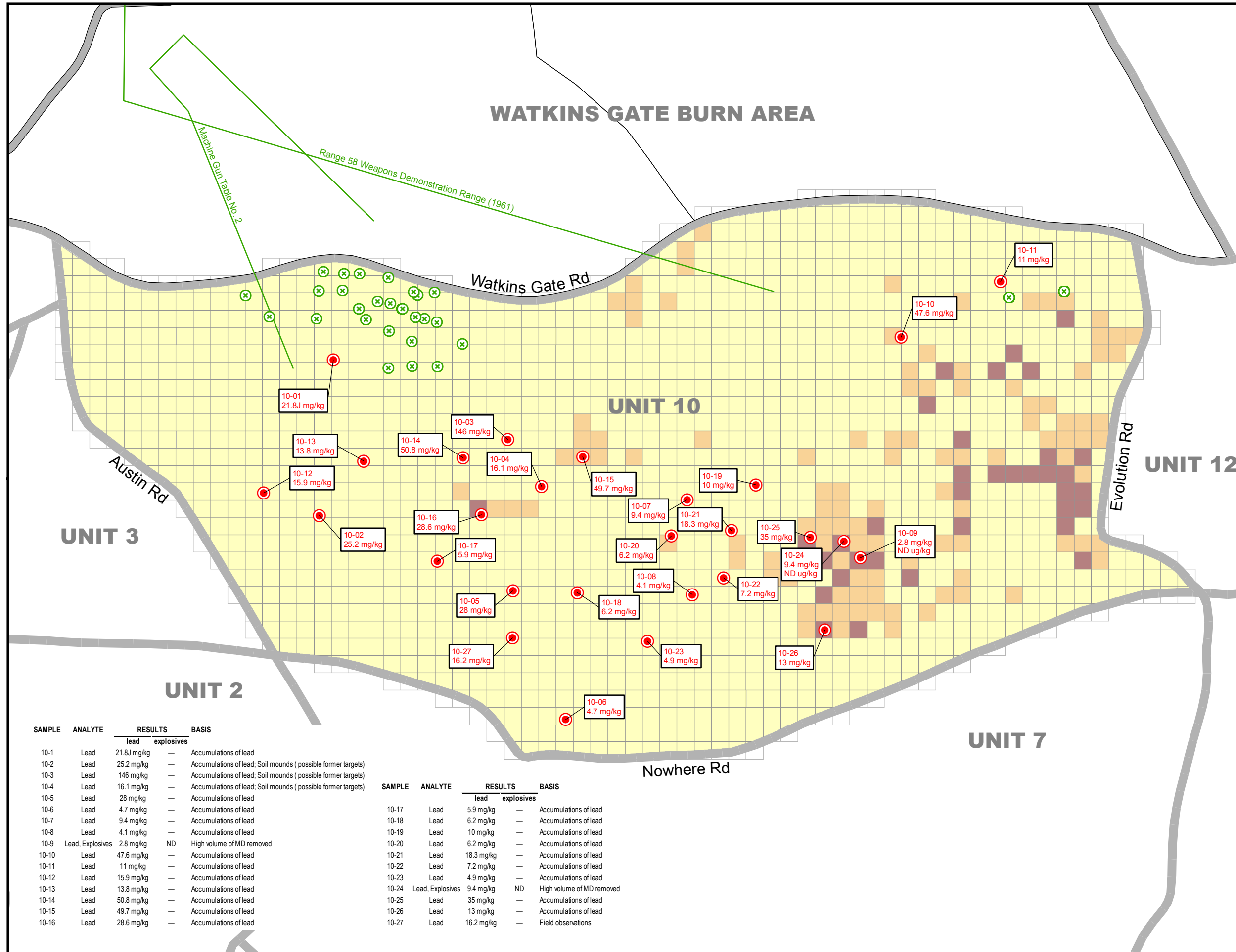
U.S. ARMY CORPS OF ENGINEERS
SACRAMENTO DISTRICT

FIGURE NUMBER
5

FORMER FORT ORD
Unit 7 Soil Analytical Results

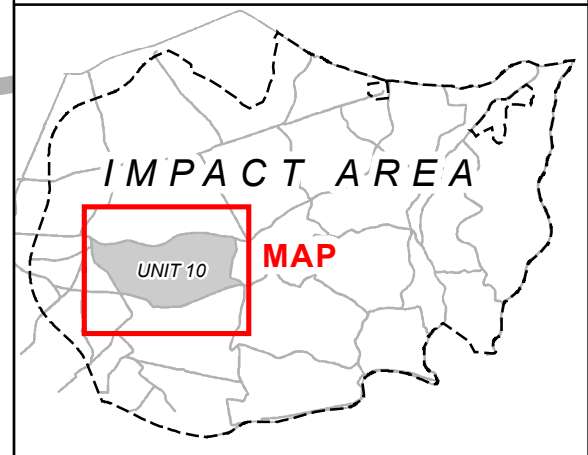
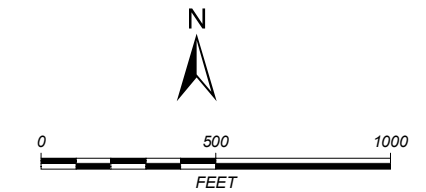
Gilbane	KEMRON	
DATE	PROJECT NUMBER	FILE NAME
2/1/2017		See Footer

WATKINS GATE BURN AREA



● Sample Location with Lead Results in milligrams per kilogram (mg/kg) and Explosives Results in micrograms per kilogram (ug/kg) where analyzed
⊗ Previous Sample Location
MD Weight Removed
 < 50 Lbs MD
 50 - 100 Lbs MD
 > 100 Lbs MD
— Range Fan
 Permanent Fuel Break

Note:
 Samples not displaying results for explosives were analyzed for lead only.



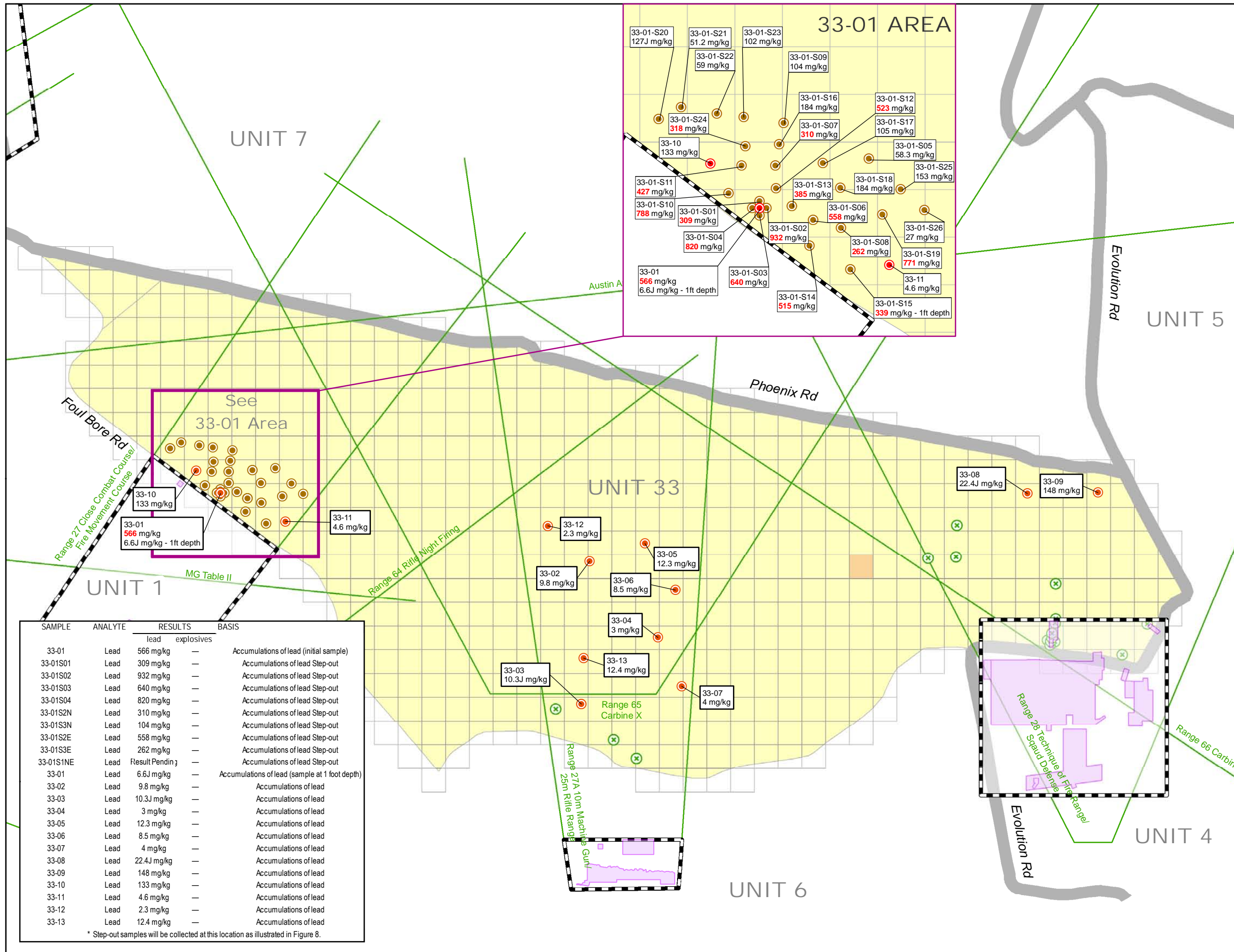
SAMPLE	ANALYTE	RESULTS		BASIS
		lead	explosives	
10-1	Lead	21.8J mg/kg	—	Accumulations of lead
10-2	Lead	25.2 mg/kg	—	Accumulations of lead; Soil mounds (possible former targets)
10-3	Lead	146 mg/kg	—	Accumulations of lead; Soil mounds (possible former targets)
10-4	Lead	16.1 mg/kg	—	Accumulations of lead; Soil mounds (possible former targets)
10-5	Lead	28 mg/kg	—	Accumulations of lead
10-6	Lead	4.7 mg/kg	—	Accumulations of lead
10-7	Lead	9.4 mg/kg	—	Accumulations of lead
10-8	Lead	4.1 mg/kg	—	Accumulations of lead
10-9	Lead, Explosives	2.8 mg/kg	ND	High volume of MD removed
10-10	Lead	47.6 mg/kg	—	Accumulations of lead
10-11	Lead	11 mg/kg	—	Accumulations of lead
10-12	Lead	15.9 mg/kg	—	Accumulations of lead
10-13	Lead	13.8 mg/kg	—	Accumulations of lead
10-14	Lead	50.8 mg/kg	—	Accumulations of lead
10-15	Lead	49.7 mg/kg	—	Accumulations of lead
10-16	Lead	28.6 mg/kg	—	Accumulations of lead

SAMPLE	ANALYTE	RESULTS		BASIS
		lead	explosives	
10-17	Lead	5.9 mg/kg	—	Accumulations of lead
10-18	Lead	6.2 mg/kg	—	Accumulations of lead
10-19	Lead	10 mg/kg	—	Accumulations of lead
10-20	Lead	6.2 mg/kg	—	Accumulations of lead
10-21	Lead	18.3 mg/kg	—	Accumulations of lead
10-22	Lead	7.2 mg/kg	—	Accumulations of lead
10-23	Lead	4.9 mg/kg	—	Accumulations of lead
10-24	Lead, Explosives	9.4 mg/kg	ND	High volume of MD removed
10-25	Lead	35 mg/kg	—	Accumulations of lead
10-26	Lead	13 mg/kg	—	Accumulations of lead
10-27	Lead	16.2 mg/kg	—	Field observations

U.S. ARMY CORPS OF ENGINEERS
SACRAMENTO DISTRICT

FIGURE NUMBER: 6
FORMER FORT ORD
Unit 10 Soil Analytical Results

DATE	PROJECT NUMBER	FILE NAME
2/1/2017		See Footer



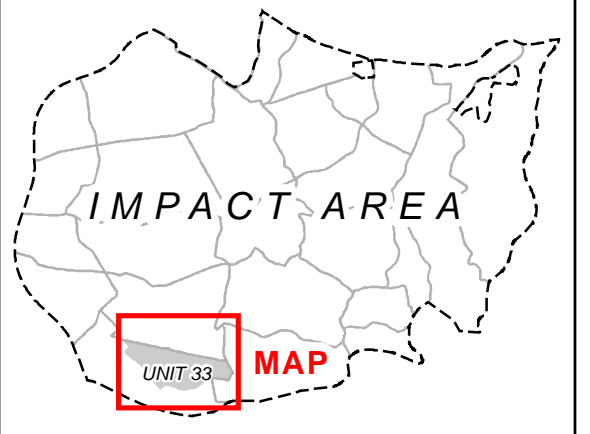
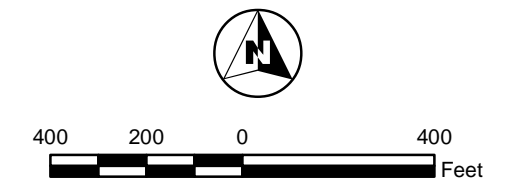
- Unit 33 Soil Sample Location
- Step-out Soil Sample Location
- ⊗ Previous Sample Location

MD Weight Removed

- < 50 Lbs MD
- 50 - 100 Lbs MD
- > 100 Lbs MD

- Range Fan
- Previous Remediation Area
- Area of Previously Completed Remediation or Characterization (not included in this evaluation)
- Permanent Fuel Break

Notes:
 1. All results are for Lead and are in mg/Kg.
 2. Lead results above the threshold value of 225 mg/Kg are **Red**.



SAMPLE	ANALYTE	RESULTS	BASIS
33-01	Lead	566 mg/kg	Accumulations of lead (initial sample)
33-01S01	Lead	309 mg/kg	Accumulations of lead Step-out
33-01S02	Lead	932 mg/kg	Accumulations of lead Step-out
33-01S03	Lead	640 mg/kg	Accumulations of lead Step-out
33-01S04	Lead	820 mg/kg	Accumulations of lead Step-out
33-01S2N	Lead	310 mg/kg	Accumulations of lead Step-out
33-01S3N	Lead	104 mg/kg	Accumulations of lead Step-out
33-01S2E	Lead	558 mg/kg	Accumulations of lead Step-out
33-01S3E	Lead	262 mg/kg	Accumulations of lead Step-out
33-01S1NE	Lead	Result Pending	Accumulations of lead Step-out
33-01	Lead	6.6J mg/kg	Accumulations of lead (sample at 1 foot depth)
33-02	Lead	9.8 mg/kg	Accumulations of lead
33-03	Lead	10.3J mg/kg	Accumulations of lead
33-04	Lead	3 mg/kg	Accumulations of lead
33-05	Lead	12.3 mg/kg	Accumulations of lead
33-06	Lead	8.5 mg/kg	Accumulations of lead
33-07	Lead	4 mg/kg	Accumulations of lead
33-08	Lead	22.4J mg/kg	Accumulations of lead
33-09	Lead	148 mg/kg	Accumulations of lead
33-10	Lead	133 mg/kg	Accumulations of lead
33-11	Lead	4.6 mg/kg	Accumulations of lead
33-12	Lead	2.3 mg/kg	Accumulations of lead
33-13	Lead	12.4 mg/kg	Accumulations of lead

* Step-out samples will be collected at this location as illustrated in Figure 8.

**U.S. ARMY CORPS OF ENGINEERS
SACRAMENTO DISTRICT**

FIGURE NUMBER
7

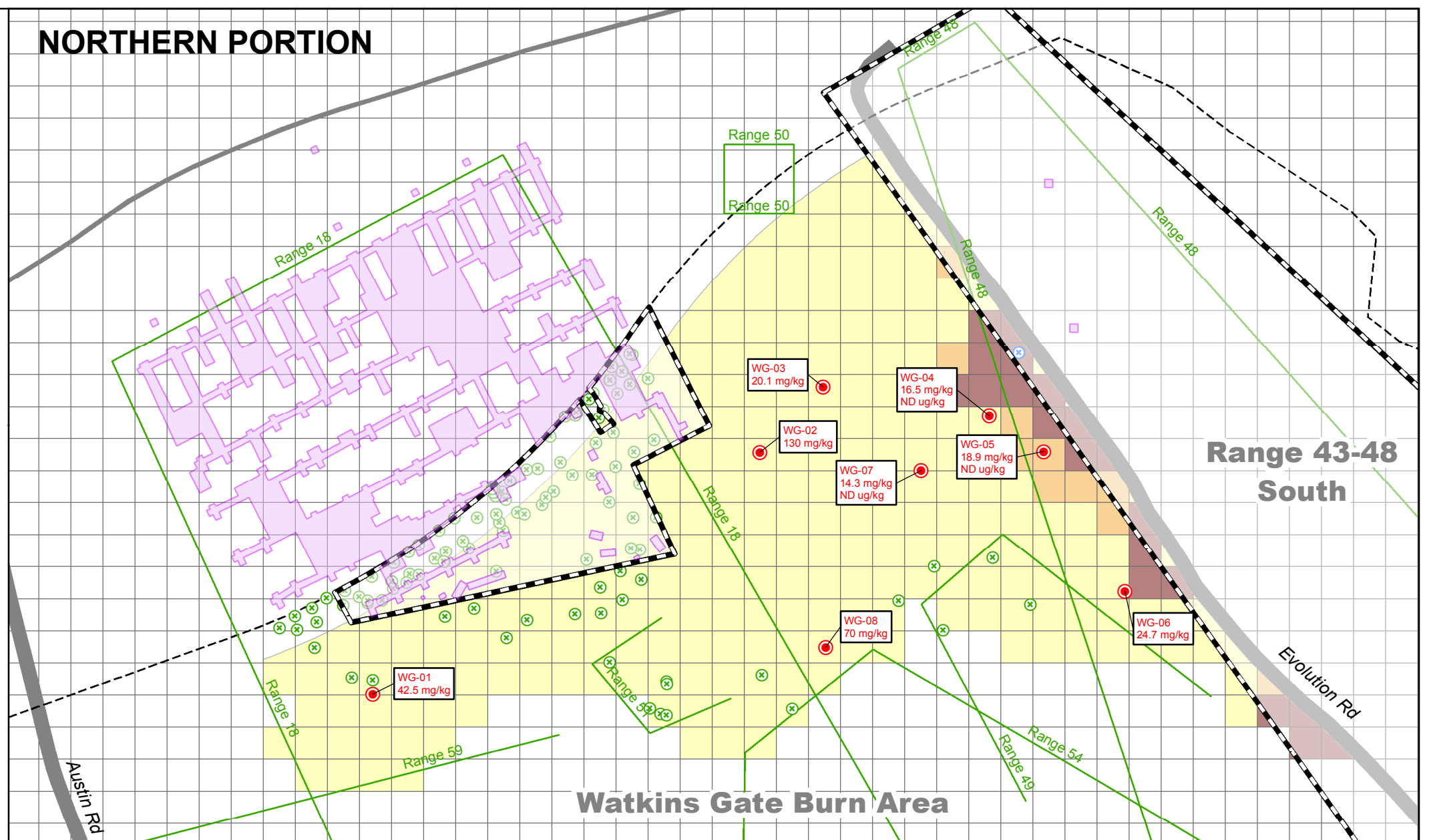
**FORMER FORT ORD
Unit 33 Soil Analytical Results**

DATE	PROJECT NUMBER	FILE NAME
3/15/2019		See Footer

- Sample Location with Lead Results in milligrams per kilogram (mg/kg) and Explosives Results in micrograms per kilogram (ug/kg) where analyzed
- ⊗ Previous Soil Sample Location
- ⊗ Previous Boring Location
- Previous Remediation Area
- Area of Previously Completed Remediation or Characterization (not included in this evaluation)
- Permanent Fuel Break
- Impact Area Boundary
- MD Weight Removed**
- < 50 Lbs MD
- 50 - 100 Lbs MD
- > 100 Lbs MD
- Range Fan

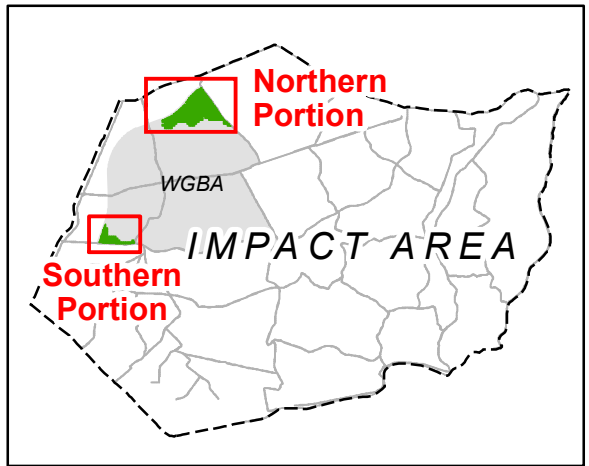
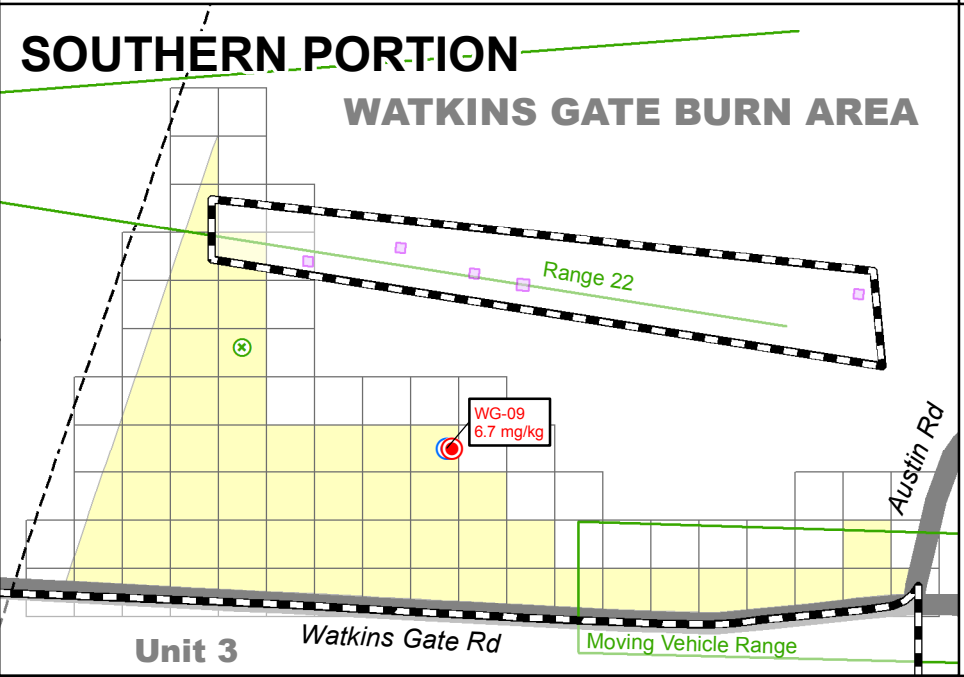
Note:
Samples not displaying results for explosives were analyzed for lead only.

NORTHERN PORTION

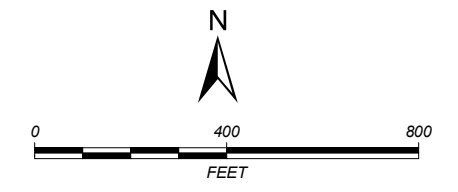


SOUTHERN PORTION

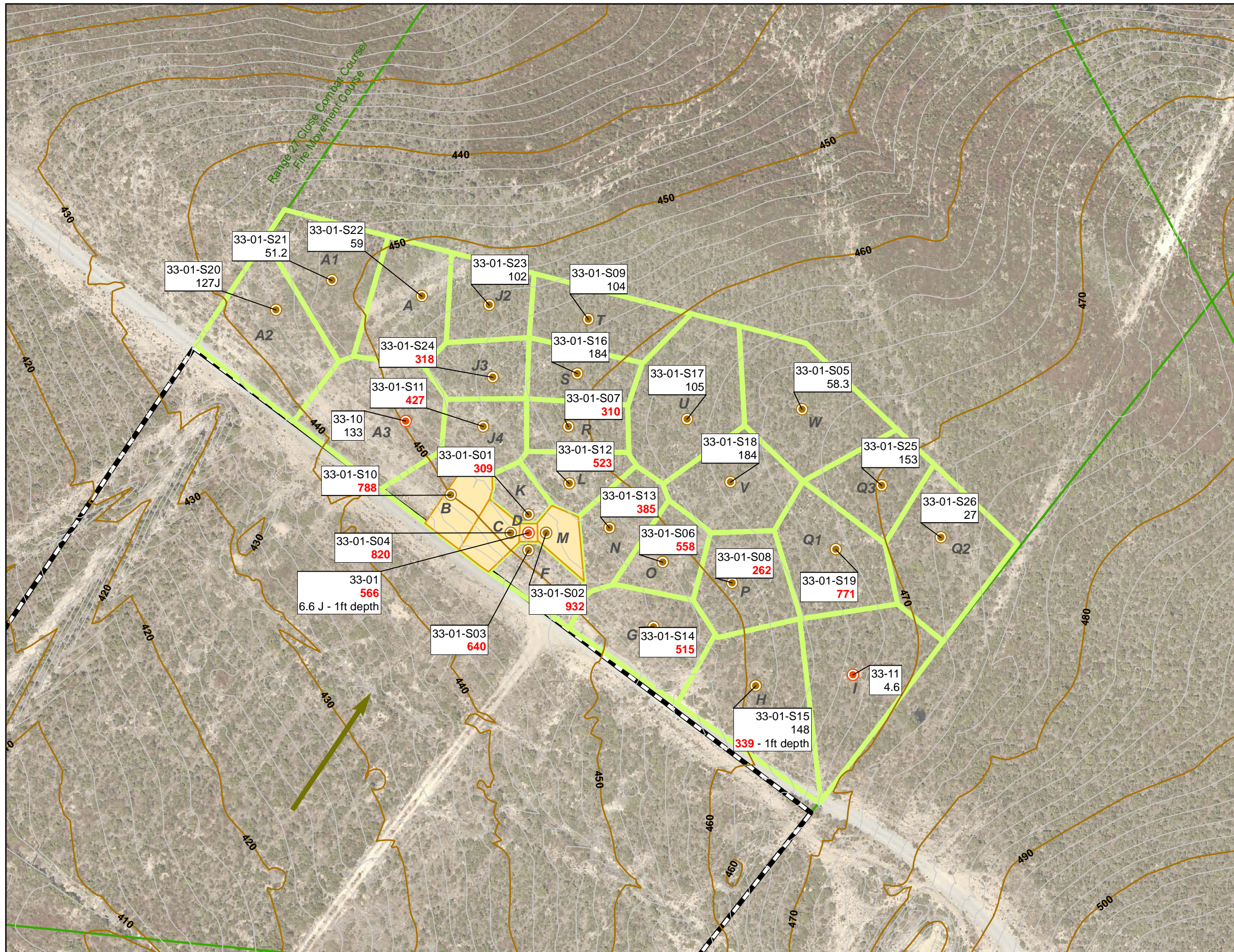
WATKINS GATE BURN AREA



SAMPLE	ANALYTE	RESULTS		BASIS
		lead	explosives	
WG-1	Lead	42.5 mg/kg	—	Accumulations of lead
WG-2	Lead	130 mg/kg	—	Accumulations of lead
WG-3	Lead	20.1 mg/kg	—	Accumulations of lead
WG-4	Lead, Explosives	16.5 mg/kg	ND	Accumulations of lead; Removal of MEC; High volume of MD removed
WG-5	Lead, Explosives	18.9 mg/kg	ND	Accumulations of lead; Removal of MEC; High volume of MD removed
WG-6	Lead	24.7 mg/kg	—	Accumulations of lead; Removal of MEC; High volume of MD removed
WG-7	Lead, Explosives	14.3 mg/kg	ND	Probable former target
WG-8	Lead	70 mg/kg	—	Accumulations of lead
WG-9	Lead	6.7 mg/kg	—	Accumulations of lead

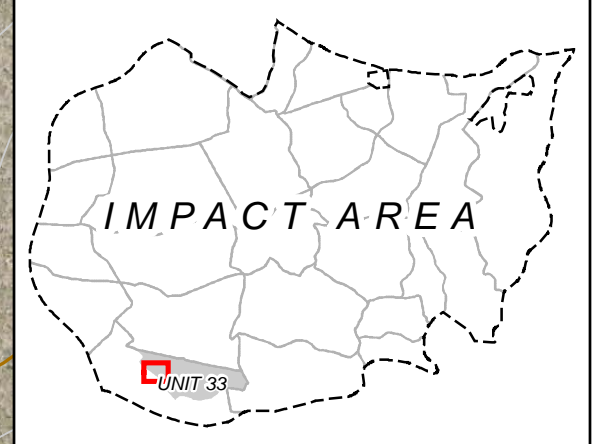
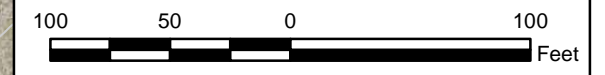


U.S. ARMY CORPS OF ENGINEERS SACRAMENTO DISTRICT		
FIGURE NUMBER 8	FORMER FORT ORD WGBA Soil Analytical Results	
DATE 2/1/2017	PROJECT NUMBER	FILE NAME See Footer



- Unit 33 Soil Sample Location
- Step-out Soil Sample Location
- AWA Proposed Remediation Polygon
- AWA Polygon Boundary
- Area of Previously Completed Remediation or Characterization (not included in this evaluation)
- ➔ Downrange Directional Arrow
- Range Fan
- 10-foot Ground Contour
- 2-foot Ground Contour

Notes:
 1. All results are for Lead and are in mg/Kg.
 2. Lead results above the threshold value of 225 mg/Kg are **Red**.



U.S. ARMY CORPS OF ENGINEERS
SACRAMENTO DISTRICT

FIGURE NUMBER	9
FORMER FORT ORD Unit 33 Polygons for Area Weighted Average Calculation	

DATE	PROJECT NUMBER	FILE NAME
3/15/2019		See Footer

Tables

Table 1. List of Former Training Ranges and Corresponding Sample Units
Sampling Results Technical Memorandum
Basewide Range Assessment Investigation
Site 39 Units 1, 2, 3, 7, 10, 33, and Watkins Gate Burn Area North and South

Range Number/Name	Unit(s) Overlapped
Austin Anti-Tank Range	1, 7, 10
HA-18: Record Firing Range	WGBA
HA-22: 0.50 Caliber Machine Gun	WGBA
HA-23: AR Table VII Range	3
HA-23M: Dragon Tracking Range (Non-Firing)	3
HA-24: Sniper Range, Table VIII Range	2, 3
HA-25: Offensive Overhead Firing Course, Table VII Range, Table VIII Range, Range 41	2, 3
HA-26: Machine Gun Table II/Machine Gun Transition	1, 2, 7
HA-27: Close combat course/Fire Movement Course	1, 7, 33
HA-27A: Rifle Night Firing	7, 33
HA-28: Technique of Fire Range, Squad Defense	7, 33
HA-48: 14.5mm Artillery and Mortar Subcaliber Range, Light Antitank Weapons Range, Sniper Training	WGBA
HA-49: 30 Caliber Machine Gun	WGBA
HA-50: Booby Traps	WGBA
HA-51: 30 caliber AA Practice	WGBA
HA-54: Mortar Range No. 2	WGBA
HA-56 (south): Rifle Transition Course	10
HA-58: Machine Gun Table 2, Weapons Demonstration	10
HA-60: Squad Problems	2, 3, 10
HA-61: A. R. Table VII Range, A. R. Table VIII Range	2
HA-62: Machine Gun Transition	1
HA-63: Small Arms Firing Course, Rifle Night Firing	3
HA-64: Rifle Night Firing	1, 7, 33
HA-65: Carbine Table X	7, 33
HA-66: Carbine Table XI	7, 33
HA:68 Sub-machine Gun DSMTD	7

Table 2. Sampling Results
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Basewide Range Assessment Investigation
Site 39 Units 1, 2, 3, 7, 10, 33, and Watkins Gate Burn Area North and South

Unit	Location	Depth (ft)	Date	Sample ID	Analyte	Result	Qualifier
1	1-01	0.0	03/16/16	01-01SC0000	Lead	81.2 mg/kg	
	1-01	0.0	03/16/16	01-01SC0000Q	Lead	57.2 mg/kg	
	1-02	0.0	03/16/16	01-02SC0000	Lead	15.8 mg/kg	J+
	1-03	0.0	03/15/16	01-03SC0000	Lead	1.3 mg/kg	J
	1-04	0.0	03/15/16	01-04SC0000	Lead	6.8 mg/kg	
	1-05	0.0	03/02/16	01-05SC0000	Lead	14.3 mg/kg	
	1-05	0.0	03/02/16	01-05SC0000	TNT	ND ug/kg	U
	1-05	0.0	03/02/16	01-05SC0000	RDX	ND ug/kg	U
	1-05	0.0	03/02/16	01-05SC0000	HMX	0 ug/kg	U
	1-06	0.0	03/15/16	01-06SC0000	Lead	9.7 mg/kg	
	1-07	0.0	03/15/16	01-07SC0000	Lead	6 mg/kg	
	1-08	0.0	03/02/16	01-08SC0000	Lead	6.3 mg/kg	
	1-08	0.0	03/02/16	01-08SC0000	TNT	ND ug/kg	U
	1-08	0.0	03/02/16	01-08SC0000	RDX	ND ug/kg	U
	1-08	0.0	03/02/16	01-08SC0000	HMX	ND ug/kg	U
	1-09	0.0	03/02/16	01-09SC0000	TNT	ND ug/kg	U
	1-09	0.0	03/02/16	01-09SC0000	RDX	ND ug/kg	U
	1-09	0.0	03/02/16	01-09SC0000	HMX	ND ug/kg	U
	1-09	0.0	03/02/16	01-09SC0000Q	TNT	ND ug/kg	U
	1-09	0.0	03/02/16	01-09SC0000Q	RDX	ND ug/kg	U
1-09	0.0	03/02/16	01-09SC0000Q	HMX	ND ug/kg	U	
1-10	0.0	03/16/16	01-10SC0000	Lead	84.8 mg/kg		
1-11	0.0	03/15/16	01-11SC0000	Lead	9.5 mg/kg		
1-12	0.0	03/15/16	01-12SC0000	Lead	39.2 mg/kg		
2	2-01	0.0	02/17/16	02-01SC0000	Lead	12.9 mg/kg	
	2-02	0.0	02/17/16	02-02SC0000	Lead	18.2 mg/kg	
	2-03	0.0	02/17/16	02-03SC0000	Lead	19.3 mg/kg	
	2-04	0.0	02/29/16	02-04SC0000	Lead	34 mg/kg	
	2-05	0.0	02/29/16	02-05SC0000	Lead	54.2 mg/kg	
	2-06	0.0	02/25/16	02-06SC0000	Lead	72.5 mg/kg	
	2-07	0.0	02/25/16	02-07SC0000	Lead	8 mg/kg	
	2-08	0.0	02/25/16	02-08SC0000	Lead	16.7 mg/kg	
	2-10	0.0	02/29/16	02-10SC0000	Lead	62.8 mg/kg	
	2-11	0.0	02/29/16	02-11SC0000	Lead	36.2 mg/kg	
	2-14	0.0	02/29/16	02-14SC0000	Lead	43.6 mg/kg	
	2-15	0.0	02/29/16	02-15SC0000	Lead	36.9 mg/kg	
	2-16	0.0	02/29/16	02-16SC0000	Lead	28.3 mg/kg	
	2-17	0.0	03/01/16	02-17SC0000	Lead	9.1 mg/kg	
	2-17	0.0	03/01/16	02-17SC0000	TNT	ND ug/kg	U
	2-17	0.0	03/01/16	02-17SC0000	RDX	ND ug/kg	U
2-17	0.0	03/01/16	02-17SC0000	HMX	ND ug/kg	U	

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Unit	Location	Depth (ft)	Date	Sample ID	Analyte	Result	Qualifier
	2-18	0.0	02/29/16	02-18SC0000	Lead	18.2 mg/kg	
	2-19	0.0	02/29/16	02-19SC0000	Lead	14 mg/kg	
	2-20	0.0	02/24/16	02-20SC0000	Lead	16.4 mg/kg	
	2-21	0.0	02/24/16	02-21SC0000	Lead	30.6 mg/kg	
	2-22	0.0	02/24/16	02-22SC0000	Lead	55.3 mg/kg	J
	2-22	0.0	02/24/16	02-22SC0000Q	Lead	35.4 mg/kg	J
	2-23	0.0	02/24/16	02-23SC0000	Lead	33.6 mg/kg	
	2-24	0.0	02/24/16	02-24SC0000	Lead	73 mg/kg	
	2-25	0.0	02/24/16	02-25SC0000	Lead	33.9 mg/kg	
	2-26	0.0	02/25/16	02-26SC0000	Lead	12.2 mg/kg	
	2-27	0.0	02/25/16	02-27SC0000	Lead	28.9 mg/kg	
	2-28	0.0	03/03/16	02-28SC0000	Lead	39.7 mg/kg	
	2-29	0.0	03/03/16	02-29SC0000	Lead	18.9 mg/kg	
	2-29	0.0	03/03/16	02-29SC0000Q	Lead	5.6 mg/kg	
	2-30	0.0	02/29/16	02-30SC0000	Lead	10.5 mg/kg	
	2-31	0.0	02/29/16	02-31SC0000	Lead	14.7 mg/kg	
	2-32	0.0	02/23/16	02-32SC0000	Lead	6.8 mg/kg	
	2-33	0.0	02/23/16	02-33SC0000	Lead	12.3 mg/kg	
	2-34	0.0	02/25/16	02-34SC0000	Lead	214 mg/kg	
	2-35	0.0	02/24/16	02-35SC0000	Lead	31.4 mg/kg	
	2-36	0.0	02/25/16	02-36SC0000	Lead	14.9 mg/kg	
	2-37	0.0	02/25/16	02-37SC0000	Lead	47.5 mg/kg	
	2-38	0.0	02/24/16	02-38SC0000	Lead	12.6 mg/kg	
	2-39	0.0	02/24/16	02-39SC0000	Lead	24 mg/kg	
	2-40	0.0	02/24/16	02-40SC0000	Lead	15.8 mg/kg	
	2-41	0.0	02/23/16	02-41SC0000	Lead	36.5 mg/kg	
	2-41	0.0	02/23/16	02-41SC0000Q	Lead	26.5 mg/kg	
	2-42	0.0	02/23/16	02-42SC0000	Lead	19.2 mg/kg	
	2-43	0.0	02/23/16	02-43SC0000	Lead	27.2 mg/kg	
	2-44	0.0	02/18/16	02-44SC0000	Lead	31.7 mg/kg	
	2-45	0.0	02/18/16	02-45SC0000	Lead	32.8 mg/kg	
	2-46	0.0	02/18/16	02-46SC0000	Lead	14.1 mg/kg	
	2-47	0.0	02/18/16	02-47SC0000	Lead	14.4 mg/kg	
	2-48	0.0	02/22/16	02-48SC0000	Lead	60.8 mg/kg	
	2-49	0.0	02/22/16	02-49SC0000	Lead	11.6 mg/kg	
	2-50	0.0	02/23/16	02-50SC0000	Lead	39.3 mg/kg	
	2-51	0.0	02/22/16	02-51SC0000	Lead	16.9 mg/kg	
	2-52	0.0	02/22/16	02-52SC0000	Lead	40.5 mg/kg	
	2-53	0.0	02/22/16	02-53SC0000	Lead	15 mg/kg	
	2-53	0.0	02/22/16	02-53SC0000Q	Lead	19.9 mg/kg	

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Unit	Location	Depth (ft)	Date	Sample ID	Analyte	Result	Qualifier
	2-54	0.0	02/17/16	02-54SC0000	Lead	72.5 mg/kg	
	2-55	0.0	02/17/16	02-55SC0000	Lead	31.3 mg/kg	
	2-56	0.0	02/18/16	02-56SC0000	Lead	35.3 mg/kg	
	2-57	0.0	02/18/16	02-57SC0000	Lead	8.6 mg/kg	
	2-58	0.0	02/17/16	02-58SC0000	Lead	10.7 mg/kg	J
	2-58	0.0	02/17/16	02-58SC0000Q	Lead	4.7 mg/kg	J
	2-59	0.0	02/18/16	02-59SC0000	Lead	13.7 mg/kg	J
	2-59	0.0	02/18/16	02-59SC0000Q	Lead	8 mg/kg	J
	2-60	0.0	02/17/16	02-60SC0000	Lead	128 mg/kg	
	2-61	0.0	02/17/16	02-61SC0000	Lead	36.5 mg/kg	
	2-62	0.0	02/17/16	02-62SC0000	Lead	9.7 mg/kg	
	2-63	0.0	02/17/16	02-63SC0000	Lead	9.5 mg/kg	
	2-64	0.0	02/29/16	02-64SC0000	Lead	48.1 mg/kg	
	2-65	0.0	02/24/16	02-65SC0000	Lead	15.7 mg/kg	
	2-66	0.0	02/24/16	02-66SC0000	Lead	22.6 mg/kg	
	2-67	0.0	02/25/16	02-67SC0000	Lead	5.7 mg/kg	
	2-68	0.0	02/25/16	02-68SC0000	Lead	16.6 mg/kg	
	2-69	0.0	02/22/16	02-69SC0000	Lead	73.3 mg/kg	
	2-70	0.0	02/22/16	02-70SC0000	Lead	22.7 mg/kg	
	2-71	0.0	02/22/16	02-71SC0000	Lead	22.5 mg/kg	
	2-72	0.0	02/22/16	02-72SC0000	Lead	38.6 mg/kg	
	2-73	0.0	02/23/16	02-73SC0000	Lead	37.2 mg/kg	
	2-74	0.0	02/23/16	02-74SC0000	Lead	15 mg/kg	
	2-75	0.0	02/22/16	02-75SC0000	Lead	23.6 mg/kg	
	2-76	0.0	02/22/16	02-76SC0000	Lead	34.6 mg/kg	
3	3-01	0.0	03/03/16	03-01SC0000	Lead	17.2 mg/kg	
	3-01	0.0	03/03/16	03-01SC0000Q	Lead	21.7 mg/kg	
	3-02	0.0	03/03/16	03-02SC0000	Lead	5.3 mg/kg	
	3-03	0.0	03/03/16	03-03SC0000	Lead	3.1 mg/kg	
	3-04	0.0	03/03/16	03-04SC0000	Lead	61.2 mg/kg	
	3-05	0.0	03/02/16	03-05SC0000	Lead	21.9 mg/kg	
	3-05	0.0	03/02/16	03-05SC0000	TNT	ND ug/kg	U
	3-05	0.0	03/02/16	03-05SC0000	RDX	ND ug/kg	U
	3-05	0.0	03/02/16	03-05SC0000	HMX	ND ug/kg	U
	3-06	0.0	03/03/16	03-06SC0000	Lead	116 mg/kg	
	3-07	0.0	03/02/16	03-07SC0000	Lead	48 mg/kg	
	3-07	0.0	03/02/16	03-07SC0000	TNT	ND ug/kg	U
	3-07	0.0	03/02/16	03-07SC0000	RDX	ND ug/kg	U
	3-07	0.0	03/02/16	03-07SC0000	HMX	ND ug/kg	U

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Unit	Location	Depth (ft)	Date	Sample ID	Analyte	Result	Qualifier
	3-08	0.0	03/02/16	03-08SC0000	Lead	159 mg/kg	J
	3-08	0.0	03/02/16	03-08SC0000	TNT	ND ug/kg	U
	3-08	0.0	03/02/16	03-08SC0000	RDX	ND ug/kg	U
	3-08	0.0	03/02/16	03-08SC0000	HMX	ND ug/kg	U
	3-08	0.0	03/02/16	03-08SC0000Q	Lead	86.2 mg/kg	J
	3-09	0.0	03/02/16	03-09SC0000	Lead	61 mg/kg	
	3-09	0.0	03/02/16	03-09SC0000	TNT	ND ug/kg	U
	3-09	0.0	03/02/16	03-09SC0000	RDX	ND ug/kg	U
	3-09	0.0	03/02/16	03-09SC0000	HMX	ND ug/kg	U
7	7-01	0.0	03/07/16	07-01SC0000	Lead	26.1 mg/kg	
	7-02	0.0	03/07/16	07-02SC0000	Lead	10.3 mg/kg	
	7-03	0.0	03/07/16	07-03SC0000	Lead	108 mg/kg	
	7-04	0.0	03/09/16	07-04SC0000	Lead	49.2 mg/kg	
	7-05	0.0	03/01/16	07-05SC0000	Lead	2.7 mg/kg	
	7-05	0.0	03/01/16	07-05SC0000	TNT	ND ug/kg	U
	7-05	0.0	03/01/16	07-05SC0000	RDX	ND ug/kg	U
	7-05	0.0	03/01/16	07-05SC0000	HMX	ND ug/kg	U
	7-06	0.0	03/07/16	07-06SC0000	Lead	73.5 mg/kg	
	7-07	0.0	03/08/16	07-07SC0000	Lead	9.3 mg/kg	
	7-08	0.0	03/01/16	07-08SC0000	Lead	5.7 mg/kg	
	7-08	0.0	03/01/16	07-08SC0000	TNT	ND ug/kg	U
	7-08	0.0	03/01/16	07-08SC0000	RDX	ND ug/kg	U
	7-08	0.0	03/01/16	07-08SC0000	HMX	ND ug/kg	U
	7-09	0.0	03/08/16	07-09SC0000	Lead	10.4 mg/kg	
	7-10	0.0	03/08/16	07-10SC0000	Lead	8.2 mg/kg	
	7-11	0.0	03/01/16	07-11SC0000	TNT	ND ug/kg	U
	7-11	0.0	03/01/16	07-11SC0000	RDX	ND ug/kg	U
	7-11	0.0	03/01/16	07-11SC0000	HMX	ND ug/kg	U
	7-11	0.0	03/01/16	07-11SC0000Q	TNT	ND ug/kg	U
	7-11	0.0	03/01/16	07-11SC0000Q	RDX	ND ug/kg	U
	7-11	0.0	03/01/16	07-11SC0000Q	HMX	ND ug/kg	U
	7-12	0.0	03/07/16	07-12SC0000	Lead	2.4 mg/kg	
	7-13	0.0	03/07/16	07-13SC0000	Lead	62.4 mg/kg	
	7-14	0.0	03/07/16	07-14SC0000	Lead	47 mg/kg	
	7-15	0.0	03/08/16	07-15SC0000	Lead	30.7 mg/kg	
	7-16	0.0	03/09/16	07-16SC0000	Lead	136 mg/kg	
	7-17	0.0	03/01/16	07-17SC0000	Lead	1.8 mg/kg	J
	7-17	0.0	03/01/16	07-17SC0000	TNT	ND ug/kg	U
	7-17	0.0	03/01/16	07-17SC0000	RDX	ND ug/kg	U
	7-17	0.0	03/01/16	07-17SC0000	HMX	ND ug/kg	U
	7-18	0.0	03/01/16	07-18SC0000	Lead	16 mg/kg	

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Unit	Location	Depth (ft)	Date	Sample ID	Analyte	Result	Qualifier
	7-18	0.0	03/01/16	07-18SC0000	TNT	ND ug/kg	U
	7-18	0.0	03/01/16	07-18SC0000	RDX	ND ug/kg	U
	7-18	0.0	03/01/16	07-18SC0000	HMX	ND ug/kg	U
	7-19	0.0	03/01/16	07-19SC0000	Lead	18.7 mg/kg	
	7-19	0.0	03/01/16	07-19SC0000	TNT	ND ug/kg	U
	7-19	0.0	03/01/16	07-19SC0000	RDX	ND ug/kg	U
	7-19	0.0	03/01/16	07-19SC0000	HMX	ND ug/kg	U
	7-20	0.0	03/07/16	07-20SC0000	Lead	126 mg/kg	J
	7-21	0.0	03/07/16	07-20SC0000Q	Lead	31.7 mg/kg	J
10	10-01	0.0	03/09/16	10-01SC0000	Lead	21.8 mg/kg	J+
	10-02	0.0	03/10/16	10-02SC0000	Lead	25.2 mg/kg	
	10-03	0.0	03/14/16	10-03SC0000	Lead	146 mg/kg	
	10-04	0.0	03/14/16	10-04SC0000	Lead	16.1 mg/kg	
	10-05	0.0	03/09/16	10-05SC0000	Lead	28 mg/kg	
	10-06	0.0	03/09/16	10-06SC0000	Lead	4.7 mg/kg	
	10-07	0.0	03/14/16	10-07SC0000	Lead	9.4 mg/kg	
	10-08	0.0	03/10/16	10-08SC0000	Lead	4.1 mg/kg	
	10-09	0.0	03/01/16	10-09SC0000	Lead	2.8 mg/kg	
	10-09	0.0	03/01/16	10-09SC0000	TNT	ND ug/kg	U
	10-09	0.0	03/01/16	10-09SC0000	RDX	ND ug/kg	U
	10-09	0.0	03/01/16	10-09SC0000	HMX	ND ug/kg	U
	10-10	0.0	03/09/16	10-10SC0000	Lead	47.6 mg/kg	
	10-11	0.0	03/09/16	10-11SC0000	Lead	11 mg/kg	
	10-12	0.0	03/10/16	10-12SC0000	Lead	15.9 mg/kg	
	10-13	0.0	03/10/16	10-13SC0000	Lead	13.8 mg/kg	
	10-14	0.0	03/10/16	10-14SC0000	Lead	50.8 mg/kg	
	10-15	0.0	03/14/16	10-15SC0000	Lead	49.7 mg/kg	
	10-15	0.0	03/14/16	10-15SC0000Q	Lead	47.3 mg/kg	
	10-16	0.0	03/14/16	10-16SC0000	Lead	28.6 mg/kg	
	10-17	0.0	03/09/16	10-17SC0000	Lead	5.9 mg/kg	
	10-18	0.0	03/09/16	10-18SC0000	Lead	6.2 mg/kg	
	10-19	0.0	03/10/16	10-19SC0000	Lead	8 mg/kg	
	10-19	0.0	03/10/16	10-19SC0000Q	Lead	10 mg/kg	
	10-20	0.0	03/14/16	10-20SC0000	Lead	6.2 mg/kg	
	10-21	0.0	03/10/16	10-21SC0000	Lead	18.3 mg/kg	
	10-22	0.0	03/10/16	10-22SC0000	Lead	7.2 mg/kg	
	10-23	0.0	03/14/16	10-23SC0000	Lead	4.9 mg/kg	
	10-24	0.0	03/01/16	10-24SC0000	Lead	9.4 mg/kg	
	10-24	0.0	03/01/16	10-24SC0000	TNT	ND ug/kg	U
	10-24	0.0	03/01/16	10-24SC0000	RDX	ND ug/kg	U
	10-24	0.0	03/01/16	10-24SC0000	HMX	ND ug/kg	U
	10-25	0.0	03/10/16	10-25SC0000	Lead	35 mg/kg	

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Unit	Location	Depth (ft)	Date	Sample ID	Analyte	Result	Qualifier
	10-26	0.0	03/14/16	10-26SC0000	Lead	13 mg/kg	
	10-27	0.0	03/09/16	10-27SC0000	Lead	16.2 mg/kg	
33	33-01	0.0	03/14/16	33-01SC0000	Lead	566 mg/kg	
	33-01	1.0	03/14/16	33-01SC0001	Lead	6.6 mg/kg	J+
	33-01	2.0	03/14/16	33-01SC0002	Lead	6.2 mg/kg	*
	33-01-SO01	0.0	09/21/16	33-01SC0000SO01	Lead	309 mg/kg	
	33-01-SO01	1.0	09/21/16	33-01SC0001SO01	Lead	2.7 mg/kg	
	33-01-SO01	2.0	09/21/16	33-01SC0002SO01	Lead	1.5 mg/kg	J
	33-01-SO02	0.0	09/21/16	33-01SC0000SO02	Lead	628 mg/kg	
	33-01-SO02	0.0	09/21/16	33-01SC0000SO02Q	Lead	932 mg/kg	
	33-01-SO02	1.0	09/21/16	33-01SC0001SO02	Lead	18.5 mg/kg	
	33-01-SO02	2.0	09/21/16	33-01SC0002SO02	Lead	2 mg/kg	
	33-01-SO03	0.0	09/21/16	33-01SC0000SO03	Lead	640 mg/kg	
	33-01-SO03	1.0	09/21/16	33-01SC0001SO03	Lead	8 mg/kg	
	33-01-SO03	2.0	09/21/16	33-01SC0002SO03	Lead	2.2 mg/kg	
	33-01-SO04	0.0	09/21/16	33-01SC0000SO04	Lead	820 mg/kg	
	33-01-SO04	1.0	09/21/16	33-01SC0001SO04	Lead	5.4 mg/kg	
	33-01-SO04	2.0	09/21/16	33-01SC0002SO04	Lead	9.8 mg/kg	
	33-01-SO05	0.0	11/17/16	33-01SC0000S1NE	Lead	58.3 mg/kg	
	33-01-SO06	0.0	11/17/16	33-01SC0000S2E	Lead	558 mg/kg	
	33-01-SO06	0.0	11/17/16	33-01SC0000S2EQ	Lead	547 mg/kg	
	33-01-SO06	1.0	11/17/16	33-01SC0001S2E	Lead	1.9 mg/kg	J
	33-01-SO06	1.0	11/17/16	33-01SC0001S2EQ	Lead	2.7 mg/kg	
	33-01-SO06	2.0	11/17/16	33-01SC0002S2E	Lead	1.7 mg/kg	J
	33-01-SO06	2.0	11/17/16	33-01SC0002S2EQ	Lead	1.4 mg/kg	J
	33-01-SO07	0.0	11/16/16	33-01SC0000S2N	Lead	310 mg/kg	
	33-01-SO07	1.0	11/16/16	33-01SC0001S2N	Lead	1.3 mg/kg	J
	33-01-SO07	2.0	11/16/16	33-01SC0002S2N	Lead	1.4 mg/kg	J
	33-01-SO08	0.0	11/17/16	33-01SC0000S3E	Lead	262 mg/kg	
	33-01-SO08	1.0	11/17/16	33-01SC0001S3E	Lead	2.3 mg/kg	
	33-01-SO08	2.0	11/17/16	33-01SC0002S3E	Lead	1.1 mg/kg	J
	33-01-SO09	0.0	11/16/16	33-01SC0000S3N	Lead	104 mg/kg	
	33-01-SO10	0.0	2/6/2018	33-01SOM010000	Lead	757 mg/kg	J
	33-01-SO10+	0.0	2/6/2018	33-01SOM010000	Lead	788 mg/kg	
	33-01-SO10	1.0	2/6/2018	33-01SOM010001	Lead	3.7 mg/kg	
33-01-SO11	0.0	2/6/2018	33-01SOM020000	Lead	427 mg/kg		
33-01-SO11+	0.0	2/6/2018	33-01SOM020000	Lead	440 mg/kg	J	
33-01-SO11	1.0	2/6/2018	33-01SOM020001	Lead	0 mg/kg	U	
33-01-SO12	0.0	2/6/2018	33-01SOM030000	Lead	523 mg/kg		
33-01-SO12	1.0	2/6/2018	33-01SOM030001	Lead	0 mg/kg	U	
33-01-SO13	0.0	2/6/2018	33-01SOM040000	Lead	354 mg/kg		
33-01-SO13	0.0	2/6/2018	33-01SOM040000Q	Lead	385 mg/kg		

Table 2. Sampling Results
Sampling Results Technical Memorandum
Basewide Range Assessment Investigation
Site 39 Units 1, 2, 3, 7, 10, 33, and Watkins Gate Burn Area North and South

Unit	Location	Depth (ft)	Date	Sample ID	Analyte	Result		Qualifier
	33-01-SO13	1.0	2/6/2018	33-01SOM040001	Lead	2.2	mg/kg	
	33-01-SO14	0.0	2/6/2018	33-01SOM050000	Lead	515	mg/kg	
	33-01-SO14	1.0	2/6/2018	33-01SOM050001	Lead	12.4	mg/kg	
	33-01-SO15	0.0	2/6/2018	33-01SOM060000	Lead	148	mg/kg	
	33-01-SO15+	0.0	2/6/2018	33-01SOM060000	Lead	150	mg/kg	J
	33-01-SO15	1.0	2/6/2018	33-01SOM060001	Lead	323	mg/kg	J
	33-01-SO15+	1.0	2/6/2018	33-01SOM060001	Lead	339	mg/kg	
	33-01-SO16	0.0	2/7/2018	33-01SOM070000	Lead	184	mg/kg	
	33-01-SO16	1.0	2/7/2018	33-01SOM070001	Lead	1.3	mg/kg	J
	33-01-SO17	0.0	2/7/2018	33-01SOM080000	Lead	105	mg/kg	
	33-01-SO17	1.0	2/7/2018	33-01SOM080001	Lead	1.2	mg/kg	J
	33-01-SO17	1.0	2/7/2018	33-01SOM080001Q	Lead	1.3	mg/kg	J
	33-01-SO18	0.0	2/7/2018	33-01SOM090000	Lead	184	mg/kg	
	33-01-SO18	1.0	2/7/2018	33-01SOM090001	Lead	1.2	mg/kg	J
	33-01-SO19	0.0	2/7/2018	33-01SOM100000	Lead	771	mg/kg	
	33-01-SO19+	0.0	2/7/2018	33-01SOM100000	Lead	778	mg/kg	J
	33-01-SO19	1.0	2/7/2018	33-01SOM100001	Lead	1.9	mg/kg	J
	33-01-SO20	0.0	9/25/2018	33-01SO200000	Lead	127	mg/kg	J
	33-01-SO20	0.0	9/25/2018	33-01SO200000Q	Lead	40.1	mg/kg	J
	33-01-SO21	0.0	9/25/2018	33-01SO210000	Lead	51.2	mg/kg	
	33-01-SO22	0.0	9/25/2018	33-01SO220000	Lead	59	mg/kg	
	33-01-SO23	0.0	9/25/2018	33-01SO230000	Lead	102	mg/kg	
	33-01-SO24	0.0	9/26/2018	33-01SO240000	Lead	318	mg/kg	
	33-01-SO25	0.0	9/26/2018	33-01SO250000	Lead	153	mg/kg	
	33-01-SO26	0.0	9/26/2018	33-01SO260000	Lead	27	mg/kg	
	33-02	0.0	03/16/16	33-02SC0000	Lead	9.8	mg/kg	
	33-03	0.0	03/15/16	33-03SC0000	Lead	10.3	mg/kg	J
	33-03	0.0	03/15/16	33-03SC0000Q	Lead	3.2	mg/kg	J
	33-04	0.0	03/15/16	33-04SC0000	Lead	3	mg/kg	
	33-05	0.0	03/16/16	33-05SC0000	Lead	12.3	mg/kg	
	33-06	0.0	03/15/16	33-06SC0000	Lead	8.5	mg/kg	
	33-07	0.0	03/15/16	33-07SC0000	Lead	4	mg/kg	
	33-08	0.0	03/16/16	33-08SC0000	Lead	7.5	mg/kg	J
	33-08	0.0	03/16/16	33-08SC0000Q	Lead	22.4	mg/kg	J
	33-09	0.0	03/15/16	33-09SC0000	Lead	148	mg/kg	
	33-10	0.0	03/14/16	33-10SC0000	Lead	133	mg/kg	
	33-11	0.0	03/14/16	33-11SC0000	Lead	4.6	mg/kg	
	33-12	0.0	03/16/16	33-12SC0000	Lead	2.3	mg/kg	
	33-13	0.0	03/15/16	33-13SC0000	Lead	12.4	mg/kg	
WGBA	WG-01	0.0	03/16/16	WG-01SC0000	Lead	42.5	mg/kg	
	WG-02	0.0	03/17/16	WG-02SC0000	Lead	130	mg/kg	
	WG-03	0.0	03/17/16	WG-03SC0000	Lead	20.1	mg/kg	

Table 2. Sampling Results
Sampling Results Technical Memorandum
Basewide Range Assessment Investigation
Site 39 Units 1, 2, 3, 7, 10, 33, and Watkins Gate Burn Area North and South

Unit	Location	Depth (ft)	Date	Sample ID	Analyte	Result	Qualifier
	WG-04	0.0	03/02/16	WG-04SC0000	Lead	16.5 mg/kg	
	WG-04	0.0	03/02/16	WG-04SC0000	TNT	ND ug/kg	U
	WG-04	0.0	03/02/16	WG-04SC0000	RDX	ND ug/kg	U
	WG-04	0.0	03/02/16	WG-04SC0000	HMX	ND ug/kg	U
	WG-05	0.0	03/02/16	WG-05SC0000	Lead	18.9 mg/kg	
	WG-05	0.0	03/02/16	WG-05SC0000	TNT	ND ug/kg	U
	WG-05	0.0	03/02/16	WG-05SC0000	RDX	ND ug/kg	U
	WG-05	0.0	03/02/16	WG-05SC0000	HMX	ND ug/kg	U
	WG-06	0.0	03/17/16	WG-06SC0000	Lead	21.1 mg/kg	
	WG-06	0.0	03/17/16	WG-06SC0000Q	Lead	24.7 mg/kg	
	WG-07	0.0	03/02/16	WG-07SC0000	Lead	14.3 mg/kg	
	WG-07	0.0	03/02/16	WG-07SC0000	TNT	ND ug/kg	U
	WG-07	0.0	03/02/16	WG-07SC0000	RDX	ND ug/kg	U
	WG-07	0.0	03/02/16	WG-07SC0000	HMX	ND ug/kg	U
	WG-08	0.0	03/17/16	WG-08SC0000	Lead	70 mg/kg	
	WG-09	0.0	03/16/16	WG-09SC0000	Lead	6.7 mg/kg	
Equipment Rinsate Samples							
			02/17/16	02-ER01SC	Lead	1.9 ug/L	J
			02/18/16	02-ER02SC	Lead	ND ug/L	U
			02/22/16	02-ER03SC	Lead	ND ug/L	U
			02/23/16	02-ER04SC	Lead	ND ug/L	U
			02/24/16	02-ER05SC	Lead	ND ug/L	U
			02/25/16	02-ER06SC	Lead	ND ug/L	U
			02/29/16	02-ER07SC	Lead	ND ug/L	U
			03/01/16	02-ER08SC	Lead	ND ug/L	U
			03/01/16	02-ER08SC	TNT	ND ug/L	U
			03/01/16	02-ER08SC	RDX	ND ug/L	U
			03/01/16	02-ER08SC	HMX	ND ug/L	U
			03/02/16	03-ER09SC	Lead	ND ug/L	U
			03/02/16	03-ER09SC	TNT	ND ug/L	U
			03/02/16	03-ER09SC	RDX	ND ug/L	U
			03/02/16	03-ER09SC	HMX	ND ug/L	U
			03/03/16	03-ER10SC	Lead	ND ug/L	U
			03/07/16	07-ER11SC	Lead	ND ug/L	U
			03/08/16	07-ER12SC	Lead	ND ug/L	U
			03/09/16	10-ER13SC	Lead	ND ug/L	U
			03/10/16	10-ER14SC	Lead	ND ug/L	U
			03/14/16	33-ER-15SC	Lead	ND ug/L	U
			03/15/16	33-ER16	Lead	ND ug/L	U
			09/21/16	33-ER-01SC0000	Lead	ND ug/L	UJ-
			03/16/16	WG-ER17	Lead	ND ug/L	U
			03/17/16	WG-ER18	Lead	ND ug/L	U

Table 2. Sampling Results
Sampling Results Technical Memorandum
Basewide Range Assessment Investigation
Site 39 Units 1, 2, 3, 7, 10, 33, and Watkins Gate Burn Area North and South

Unit	Location	Depth (ft)	Date	Sample ID	Analyte	Result		Qualifier
			11/16/16	33-01-ERSC111616	Lead	ND	ug/L	
			11/17/16	33-01-ERSC111716	Lead	ND	ug/L	
			02/06/18	33-ER01SC020618	Lead	0.42	ug/L	J
			02/07/18	33-ER01SC020718	Lead	1.5	ug/L	J
			09/25/18	33-ER02SC092518	Lead	1.1	ug/L	J
			09/26/18	33-ER02SC092618	Lead	0	ug/L	U

Notes:

ug/L = micrograms per liter

mg/kg = milligrams per kilogram

ND = Not detected at laboratory limit of detection

J = Indicates a result greater than the method detection limit but less than the limit of quantitation

J+ = Estimated value with a potential high bias

J- = Estimated value with a potential low bias

U = Indicates a result less than the method detection limit

* = Sample analysis was requested for general screening purposes after expiration of the method holding time

+ = unexpected initial results prompted a rerun of the sample

Table 3. Area Weighted Average Calculation Summary
Sampling Results Technical Memorandum
Basewide Range Assessment Investigation
Site 39 Units 1, 2, 3, 7, 10, 33, and Watkins Gate Burn Area North and South

Unit 33, Range 27 Area Weighted Average

**Current conditions
No Remediation**

Note: None

Sub-area ID	Polygon Area (sq ft)	Depth (ft)	Area % of Total	Polygon concentration (mg/kg)	Polygon weighted value
A1	6837	0-0.5	4.17%	51.2	2.13
A2	9705	0-0.5	5.92%	127.0	7.51
A3	9519	0-0.5	5.80%	133.0	7.72
B	4320	0-0.5	2.63%	788.0	20.76
C	1708	0-0.5	1.04%	820.0	8.54
D	35	0-0.5	0.02%	566.0	0.12
E	0	x	0.00%	0.0	0.00
F	3041	0-0.5	1.85%	640.0	11.87
G	7124	0-0.5	4.34%	515.0	22.37
H	10378	0-0.5	6.33%	150.0	9.49
I	10790	0-0.5	6.58%	4.6	0.30
J1	6216	0-0.5	3.79%	59.0	2.24
J2	4459	0-0.5	2.72%	102.0	2.77
J3	4171	0-0.5	2.54%	318.0	8.09
J4	3545	0-0.5	2.16%	427.0	9.23
K	1836	0-0.5	1.12%	309.0	3.46
L	3275	0-0.5	2.00%	523.0	10.44
M	1647	0-0.5	1.00%	932.0	9.36
N	4494	0-0.5	2.74%	385.0	10.55
O	3810	0-0.5	2.32%	558.0	12.96
P	6228	0-0.5	3.80%	262.0	9.95
Q1	7620	0-0.5	4.65%	771.0	35.82
Q2	8411	0-0.5	5.13%	27.0	1.38
Q3	6194	0-0.5	3.78%	153.0	5.78
R	3583	0-0.5	2.18%	310.0	6.77
S	4062	0-0.5	2.48%	184.0	4.56
T	5318	0-0.5	3.24%	104.0	3.37
U	9904	0-0.5	6.04%	105.0	6.34
V	6667	0-0.5	4.06%	184.0	7.48
W	9116	0-0.5	5.56%	58.3	3.24

Total Polygons ft ²	164013	100.00%	0	244.6
			Yds ³	
			0	

Unit 33, Range 27 Area Weighted Average

Scenario 1 - Estimated Selective Polygons Post-Remediation (1-foot) AWA
Limited remediation

Note: Total removal in C and M and partial removal in B (divided in half)

Sub-area ID	Polygon Area (sq ft)	Depth (ft)	Area % of Total	Polygon concentration (mg/kg)	Polygon weighted value
A1	6837	0-0.5	4.17%	51.2	2.13
A2	9705	0-0.5	5.92%	127.0	7.51
A3	9519	0-0.5	5.80%	133.0	7.72
B-leave	2160	0-0.5	1.32%	788.0	10.38
B-remove	2160	Removed	1.32%	3.7	0.05
C	1708	Removed	1.04%	5.4	0.06
D	35	Removed	0.02%	6.6	0.00
E	0	x	0.00%	0.0	0.00
F	3041	0-0.5	1.85%	640.0	11.87
G	7124	0-0.5	4.34%	515.0	22.37
H	10378	0-0.5	6.33%	150.0	9.49
I	10790	0-0.5	6.58%	4.6	0.30
J1	6216	0-0.5	3.79%	59.0	2.24
J2	4459	0-0.5	2.72%	102.0	2.77
J3	4171	0-0.5	2.54%	318.0	8.09
J4	3545	0-0.5	2.16%	427.0	9.23
K	1836	0-0.5	1.12%	309.0	3.46
L	3275	0-0.5	2.00%	523.0	10.44
M	1647	Removed	1.00%	18.5	0.19
N	4494	0-0.5	2.74%	385.0	10.55
O	3810	0-0.5	2.32%	558.0	12.96
P	6228	0-0.5	3.80%	262.0	9.95
Q1	7620	0-0.5	4.65%	771.0	35.82
Q2	8411	0-0.5	5.13%	27.0	1.38
Q3	6194	0-0.5	3.78%	153.0	5.78
R	3583	0-0.5	2.18%	310.0	6.77
S	4062	0-0.5	2.48%	184.0	4.56
T	5318	0-0.5	3.24%	104.0	3.37
U	9904	0-0.5	6.04%	105.0	6.34
V	6667	0-0.5	4.06%	184.0	7.48
W	9116	0-0.5	5.56%	58.3	3.24

Total Polygons ft ²	164013	100.00%	5550	216.5
			Yds ³	
			206	

- bold text** result is above the threshold value of 225 mg/kg
- "E" has no corresponding assigned polygon.
- Surface concentration is > 225 mg/kg but < 500 mg/kg
- Surface concentration is > 500 mg/kg but < 750 mg/kg
- Surface concentration is > 750 mg/kg
- Remediated polygon / sub-polygon. Residual concentration shown is the result from the sample at 1 foot bgs

Appendix A
Chemical Quality Assurance Report

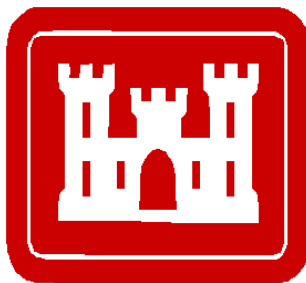
CHEMICAL QUALITY ASSURANCE REPORT

BASEWIDE RANGE ASSESSMENT 2016 SAMPLING EVENTS

FORMER FORT ORD, CALIFORNIA

REVISION 0

Prepared for:



**U.S. Army Corps of Engineers
Sacramento District
1325 J Street
Sacramento, California 95814**

Prepared by:

**Gilbane Federal
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In accordance with:

**Worldwide Environmental Remediation Services Contract
Contract No. W912DY-10-D-0024
Task Order No. CM01**

January 2017

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Table 2-1 Summary of Sample Delivery Groups and Collection Dates

LIST OF ATTACHMENTS

Attachment 1 Automated Data Review Summary Reports
Attachment 2 Laboratory Reports
Attachment 3 Nonconformance/Corrective Action Report

LIST OF ACRONYMS AND ABBREVIATIONS

Accutest SE	Accutest Southeast Laboratory
ADR	Automated Data Review
BRA	Baseline Range Assessment
CCV	continuing calibration verification
CQAR	Chemical Quality Assurance Report
DL	detection limit
DQ	data qualifier
DQO	data quality objective
eDMS	[Gilbane] Environmental Data Management System
EPA	U.S. Environmental Protection Agency
Fort Ord	Fort Ord Air Force Base
Gilbane	Gilbane Federal
HMX	octahydro-1,3,5,7-tetranitro-1,3,5,7-Tetrazocine
ICV	initial calibration verification
ISM	Incremental Sampling Methodology
LCS	laboratory control sample
LCSD	laboratory control sample duplicate
LOD	limit of detection
LOQ	limit of quantitation
LR	laboratory replicate
mg/kg	milligrams per kilogram
mm	millimeter
MS	matrix spike
MSD	matrix spike duplicate
PARCC	precision, accuracy, representativeness, completeness, and comparability
QC	quality control
QRT	Qualified Results Table
RDX	hexahydro-1,3,5-trinitro-1,3,5-Triazine
RPD	relative percent difference
S2BVEM	stage 2B validation, electronic and manual
S4VEM	stage 4 validation, electronic and manual
SDG	sample delivery group

LIST OF ACRONYMS AND ABBREVIATIONS

TNT	2,4,6-trinitrotoluene
WGBA	Watkins Gate Burn Area

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1.0 INTRODUCTION

This Chemical Quality Assurance Report (CQAR) was prepared by Gilbane Federal (Gilbane) for the 2016 Baseline Range Assessment (BRA) incremental soil sampling events from February, March, September and November 2016 at Units 1, 2, 3, 7, 10, 33, and Watkins Gate Burn Area (WGBA) North and South located in the Former Fort Ord Air Force Range (Fort Ord), California. The collection dates are listed in **Table 2-1** of this CQAR.

This CQAR summarizes the overall quality, and establishes and documents the usability of the data collected in support of the 2016 BRA incremental soil sampling events. Samples were collected in accordance with the *Final Units 1, 2, 3, 7, 10, 33, and Watkins Gate Burn Area North and South (WGBA) Sampling Work Plan, Former Fort Ord, California* (KEMRON 2016a), and *Addendum to the Final Units 1, 2, 3, 7, 10, and 33 and Watkins Gate Burn Area* (KEMRON, 2016b). These two documents will be collectively referred to as the Combined Units Sampling Plan throughout the remainder of this CQAR. The collected data were validated and reconciled with the project procedures and data quality objectives (DQOs) listed in the Combined Units Sampling Plan.

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2.0 ANALYTICAL PROGRAM

Accutest Southeast Laboratory (Accutest SE) in Orlando, Florida, was the primary laboratory for the 2016 BRA incremental soil sampling events at Fort Ord. The laboratory participates in and is certified by the state of California and the Department of Defense Environmental Laboratory Accreditation Program.

Soil sample collection and analyses were conducted in accordance with the requirements specified in the following guidance documents:

- *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods* (U.S. Environmental Protection Agency [EPA], 2007);
- Final Units 1, 2, 3, 7, 10, 33, and Watkins Gate Burn Area North and South (WGBA) Sampling Work Plan, Former Fort Ord, California. (KEMRON, 2016a)
- QAPP Addendum to the Final Units 1, 2, 3, 7, 10, and 33 and Watkins Gate Burn Area (KEMRON, 2016b)
- Quality Systems Manual for Environmental Laboratories, Version 5.0. (U.S. Department of Defense, 2013)

Soil samples were collected from a small area employing a seven point incremental wheel approach as described in Worksheet #17 of the Combined Units Sampling Plan. The composite incremental samples were analyzed by one of both of the following analytes and methods.

- EPA Method 6010A for lead
- EPA Method 8330B explosives for 2,4,6-trinitrotoluene (TNT), hexahydro-1,3,5-trinitro-1,3,5-Triazine (RDX), octahydro-1,3,5,7-tetranitro-1,3,5,7-Tetrazocine (HMX)

Before analysis for the above methods, the soil samples were air dried. The soil lead samples were sieved down to 0.25 millimeters (mm).. A 5 gram soil sample was digested for lead using EPA Method 3050A. The explosives soil samples were dried, sieved, and ground according to EPA Method 8330B.

Stage 2B validation, electronic and manual (S2BVEM), as defined in *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (EPA, 2009), was performed on the data from the 2016 BRA incremental soil sampling events and a stage 4, validation, electronic and manual (S4VEM) was performed on 10% of the data as required by the Combined Units Sampling Plan. The S2BVEM data validation included reviewing reports from the laboratory equivalent to an EPA Level 3 data deliverable. Level 3 data deliverables contain the sample results and chain-of-custody forms along with basic quality control (QC) summaries including surrogate recoveries, method blank results, and precision and accuracy data summaries for the sample preparation batch. The deliverable also includes summaries for instrument performances and for the initial and continuing calibration. If any analytical problems were encountered, the laboratory report also included a case narrative describing the problem and any potential impact on data quality. The S4VEM portion of the data validation included reviewing reports from the laboratory equivalent to an EPA Level 4 data deliverable. The Level 4 data

deliverables contain the same items as the Level 3 along with the raw data from the instrument analysis. For the 10% S4VEM review the final reported sample results and QC results from the initial calibration, ICV, CCV, LCS, MS/MSD, LR, interference check sample, serial dilution and/or post digestion spikes were re-calculated from the raw data for verification. The S4VEM was performed on the explosives data associated with extraction/analytical batches OP59710/GBB1423 from SDG FA31932, and the lead data from extraction/analytical batches MP30238/MA13091, and MP30219/MA13082 from SDGs FA31930 and FA31931, respectively.

The DQOs for the 2016 incremental soil sampling events are described in Work Sheet #11 of the Combined Units Sampling Plan. The specific data verification and validation procedures to meet the DQOs are outlined in Worksheet #35 and Worksheet #36 of the Combined Units Sampling Plan. Worksheet #34 outlines the verification and validation inputs that are used as the basis for qualifying data. These include the information listed below which applies to both S2BVEM and S4VEM unless indicated otherwise.

- Technical holding time and temperature compliance
- Initial calibration response factors (RFs) and relative standard deviations (RSDs)
- Initial calibration verification (ICV)
- Continuing calibration verification (CCV)
- Method, equipment and calibration blank contamination
- Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) accuracy and precision
- Matrix spike/matrix spike duplicate (MS/MSD) accuracy and precision
- Surrogate accuracy
- Serial dilution percent difference
- Laboratory replicate (LR) precision
- Instrument performance
- Internal standard
- Field duplicate precision
- Analyte limit of quantitation (LOQ) and quantitation results.
- Re-calculation of quantitative results for calibrations, QC samples and project samples. (S4VEM)
- Review of quantitative reports and chromatography (S4VEM)

The electronic portion of the review, which is performed by the Gilbane Environmental Data Management System (eDMS), addresses QC parameters such as MS/MSDs, LCS/LCSDs, surrogates, method blanks, and holding times. The Gilbane eDMS produces an Automated Data Review (ADR) summary noting any anomalies and subsequent data qualifiers resulting from the anomalies. The Gilbane Project Chemist reviews the ADR and performs the manual portion of

the data review that addresses QC parameters such as custody trail, initial and continuing calibration, and instrument performance. The electronic validation and the results of the manual validation are contained in the “Narrative Comments” and/or “QC Outlier Report” sections of the ADR and are reflected in the “Qualified Results” and “Qualified Results Table” (QRT) of the ADR. **Attachment 1** of this CQAR presents the ADRs reviewed for the 2016 BRA soil sampling events.

Table 2-1 provides a summary of the laboratory sample delivery groups (SDGs) and collection dates and analyte group for the incremental soil events discussed in this CQAR. The laboratory reports for each SDG are presented in **Attachment 2**.

**Table 2-1
Summary of Sample Delivery Groups and Collection Dates**

SDG	Analytes	2016 Collection Date
FA31669	Lead	February 17
FA31670	Lead	February 18
FA31671	Lead	February 22
FA31672	Lead	February 23
FA31884	Lead, TNT, RDX, HMX	March 2
FA31929	Lead	February 24
FA31930	Lead	February 29
FA31931	Lead	February 25
FA31932	Lead, TNT, RDX, HMX	March 1
FA31998	Lead	March 3
FA32106	Lead	March 8
FA32107	Lead	March 7
FA32237	Lead	March 10
FA32238	Lead	March 9
FA32306	Lead	March 14
FA32306R	Lead	March 14
FA32306RR	Lead	March 14
FA32307	Lead	March 15
FA32429	Lead	March 16
FA32430	Lead	March 17
FA37168	Lead	September 21
FA37168R	Lead	September 21
FA38934	Lead	November 16, 17
FA38934R	Lead	November 16, 17

2.1 QUALIFIED RESULTS

Data qualifiers are defined in Worksheet #36 of the Combined Units Sampling Plan. The following qualifiers have been applied as appropriate to the data reviewed for this CQAR.

Data Qualifiers

- “J” indicates that the analyte was detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific QC criteria and/or the analyte was detected at a concentration between the detection limit (DL) and LOQ.

- “UJ” indicates the analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.

The data qualifier reasons (DQ reasons) listed below are the codes to define the anomalies and the basis for qualification.

DQ Reasons

- “C12” indicates that the low level calibration standard was outside of criteria.
- “D5” indicates that the field duplicate precision was outside of criteria.
- “H1” indicates that the analytical holding time was exceeded.
- “M” indicates that the MS and/or MSD recovery was outside of criteria.
- “TR” indicates that the result was reported between the detection limit and the limit of quantitation.

Bias

- “+” indicates a high or positive bias on the concentration reported.
- “-” indicates a low or negative bias on the concentration reported.

Refer to the QRT in the ADR for each applicable SDG in **Attachment 1** of this CQAR for the DQ reason and bias applied to qualified results.

The following subsections discuss the quality of the data and reasons for qualifications.

Estimated Results (“J” or “UJ”)

Out of 295 total results reported for the 2016 BRA incremental soil sampling events, 28 results were qualified as estimated (“J”) or estimated limit of detection (LOD) for one or more QC issues.

Qualified Results Due to Blank Contamination (“U”)

Out of 295 total results reported for the 2016 BRA incremental soil sampling events, no results were changed from a positive value to non-detectable (“U”) at the LOQ or observed value due to blank contamination.

Rejected Results (“R”)

Out of 295 total results reported for the 2016 BRA incremental soil sampling events, no results were rejected (“R”) for QC anomalies.

2.2 ESTIMATED LOW CONCENTRATION

The laboratory reports analyte concentrations between the DL and LOQ. If any concentrations are detected between the DL and LOQ they are qualified as estimated by the laboratory because

of the increased quantitative uncertainty in the result as the concentration of the analyte approached the DL.

Qualification of results as estimated due to low concentrations of analytes is expected due to the sensitivity of the analytical methodology used and the low concentrations of many analytes. Qualification for low concentrations is not due to method performance or analytical program issues. Results remain usable with qualification, and so data usability is not affected.

Out of 295 total results reported for the 2016 BRA incremental soil events, there were nine results reported between the DL and LOQ.

2.3 HOLDING TIME AND PRESERVATION

Extraction and analysis holding-time limits and sample preservation are used to ensure that samples are representative of the site at the time of their collection. Out of 295 total results, one lead result for sample 33-01SC0002 was qualified as estimated, “J-,” for analysis 118 days past the 180 day holding time for metals (descriptor “H1”). The qualified result for holding time anomaly represents less than 1% of the 295 total dataset results. Analysis of the sample was not required based on results from any overlying or adjacent samples, but was requested to provide supplementary data regarding lead concentrations at that depth. The analytical results for sample 33-01SC0002 were not used for any decisions regarding site status determinations.

2.4 CALIBRATION

The initial calibrations were evaluated for proper curve fit and analyte responses. The ICV and CCV summaries were evaluated for instrument drift from the last initial calibration. For the S4VEM, the ICVs, CCVs and the initial calibration RFs and RSDs for EPA Method 8330B were re-calculated and verified from the raw data. Out of 295 total results, one lead result was qualified due to recovery of the low calibration check standard less than the lower control limit of 80% (DQ reason “C12”). The low calibration check standard is spiked at the laboratory LOQ for each metal and is used to ensure detection of the metal at levels close to the LOQ. The one qualified result for calibration anomaly represents less than 1% of the 295 results in the total dataset.

2.5 BLANK CONTAMINATION

Method, calibration and equipment blanks were analyzed to measure laboratory contamination; and field contamination. Out of 295 total results, there were no results qualified due to blank contamination anomalies.

2.6 LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE

LCS/LCSDs are synthetic samples spiked with the compounds of concern and prepared and analyzed using the same procedure used for the primary project samples. LCSs and/or LCSDs are analyzed at the frequency specified in the methods and are used to further monitor the analytical process and provide a measurement of accuracy and precision. An LCSD is not required if another measurement of precision is provided such as an MSD or LR. A single LCS was reported for each method, per SDG for the events. For the S4VEM, the LCSs results were

re-calculated and verified from the raw data. No results were qualified due to LCS accuracy anomalies.

2.7 MATRIX SPIKE/MATRIX SPIKE DUPLICATE AND REPLICATES

MS/MSDs are project samples spiked with the compounds of concern, prepared, and analyzed using the same procedures as those used for the primary project samples to monitor the analytical process. An LR is a primary project sample that is prepared and analyzed twice to monitor the analytical process. The MS/MSD percent recoveries and the MS/MSD and LR relative percent differences (RPDs) were reviewed. For the S4VEM, the MS/MSD and LR results were re-calculated and verified from the raw data.

The Combined Units Sampling Plan stipulates that one in 20 primary project samples should be analyzed for MS/MSD or replicate analysis, representing a 5% frequency. This goal was met and exceeded for the methods associated with this CQAR.

Out of 295 total results, three lead results or 1% of the total results were qualified as estimated values, “J+,” with a high bias due to MS/MSD accuracy anomalies (DQ reason “M”). No results were qualified due to MS/MSD precision anomalies.

2.8 SERIAL DILUTION

For EPA Method 6010C analyses, serial dilutions are prepared from project samples with sufficiently high concentrations of target metals and analyzed at five times (5X) dilution to monitor matrix interference. If the percent difference between the original determination and the serial dilution analysis is greater than 10%, some type of matrix interference is indicated. For the S4VEM, the serial dilution results were re-calculated and verified from the raw data. There were no results qualified for serial dilution anomalies.

2.9 INTERNAL AND SURROGATE STANDARD RECOVERIES

Internal standards were added to the lead samples prior to analysis and surrogate standards were added to the explosive samples before extraction. The recoveries of the internal standards and surrogates were reviewed. For the S4VEM, the surrogate results were re-calculated and verified from the raw data. There were no internal standard or surrogate anomalies that required qualification of the data.

2.10 INSTRUMENT PERFORMANCE

Interference check samples (ICS) were analyzed for EPA Method 6010C to verify the instrument's ability to overcome interferences typical of those found in samples. For the S4VEM, the ICS results were recalculated and verified from the raw data. There were no anomalies that required qualification of the data due to instrument performance.

2.11 ANALYTE IDENTIFICATION AND QUANTITATION

Lead by EPA Method 6010C and TNT, RDX, and HMX by EPA Method 8330A were the compounds of concern for 2016 BRA incremental soil sampling events at Fort Ord. The DL,

LOD, and LOQ for lead, TNT, RDX, and HMX for a 1X analysis met the decision limits as defined in Worksheet #15 of the Combined Units Sampling Plan. All non-detect results were reported at a one times dilution. No limits were raised without just cause.

For the S4VEM, quantitative results for the selected samples were calculated from the instrument values and preparation logs from the raw data. All sample QC sample quantitative results were verified.

The original reported results for SDG FA32306RR and FA38934R were incorrect. The laboratory omitted the preparation factor for the calculation of the final reported value. The laboratory initiated corrective action to prevent similar occurrences from happening in the future. A copy of the corrective action is provided in **Appendix 3** of this CQAR. Amended laboratory reports with the correct results were provided.

There were nine samples qualified as estimated, “J,” for results quantitated between the DL and LOQ (DQ reason “TR”). This represents 3.1% of the 295 total dataset results.

3.0 FIELD PROCEDURES

The 2016 BRA incremental soil sampling events at Fort Ord were performed in February, March, September and November 2016. The collection dates for each SDG are specified in **Table 2-1**.

Each sample collected consists of seven soil increments collected from a small area (approximately 4 feet in diameter) that are combined to form a single incremental sample for processing and analysis by the laboratory. Incremental samples were collected at the surface and at 1 and 2 feet below the surface (step down samples). Before extraction, the laboratory processed the lead and explosive soil samples by air drying. Explosive soil samples were then sieved per EPA Method 8330B. The lead soil samples were sieved down to 25 mm, with 5 grams of soil extracted for analysis. The surface soil samples were analyzed first. Step down incremental samples from below the surface were processed and analyzed if elevated concentrations of lead or explosives were reported in the surface samples. If concentrations of lead and explosives were found to exceed the decision criteria in the step down samples then step-out or horizontal incremental samples from the original area were collected.

All samples were collected per the Combined Units Sampling Plan with no external problems that prohibited collecting or shipping the samples to the laboratory.

3.1 SAMPLE SHIPMENT AND STORAGE

Samples were properly stored after collection by the sampling team until relinquished under proper custody to FedEx for delivery to the primary laboratory (a secure facility). The explosive samples were received within the Combined Units Sampling Plan criteria of 6 degrees Celsius or less. There is no temperature storage requirement for samples analyzed for lead by EPA Method 6010C.

Upon receipt by the laboratory, samples were cross-checked with the chain of custody for completeness, entered into the laboratory's data system and securely stored at the proper temperature. No samples were qualified due to improper sample shipment or storage for the soil sampling events.

3.2 FIELD DUPLICATES

For this project, the Combined Units Sampling Plan requires that one field duplicate will be collected for each 10 primary samples collected or at a 10% frequency to measure precision and evaluate the laboratory sample processing method. Out of 186 primary samples for lead, 19 field duplicate sets were collected for a frequency of 10.2%. Out of 19 primary samples collected for explosives, two field duplicates were collected for a frequency of 10.5%. The field duplicate frequency was met for explosives.

For field duplicate pair results greater than 5X the LOQ, the RPDs were calculated, and for field duplicate pairs with results less than 5X the LOQ, the absolute differences were calculated to provide measurements of precision. Three field duplicate pairs for lead had RPDs greater than the criteria of 40% and four field duplicate pairs for lead had absolute differences greater than

the criteria of less than two times (2X) the LOQ. This resulted in the qualification of 14 lead results as estimated, “J,” due to field duplicate precision anomalies (DQ reason “D5”). The qualified results represent 5.2% of the 268 total primary and field duplicate results and 4.7% of the total 318 results in the total dataset. The precision evaluation of the field duplicate pairs is contained in the individual ADRs for each applicable SDG.

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4.0 CONCLUSIONS AND DATA USABILITY

The analytical methods used for this project were selected to provide quality data sufficient to meet DQOs and project sensitivity requirements. DQOs were reviewed in terms of the indicator parameters precision, accuracy, representativeness, completeness, comparability (PARCC) parameters. The PARCC parameters are discussed in the subsections below.

4.1 QUALITY CONTROL SAMPLES

Field QC samples for this project included field duplicates and equipment blank samples. One equipment blank was collected for each day of sampling. The field duplicate frequency of 10% was met for lead and explosives.

Laboratory QC included precision and accuracy in the form of MS/MSD pairs, laboratory replicates, serial dilutions, post digestion spikes, LCSs, surrogates, ICVs, and CCVs analyzed at the frequency indicated in the discussion of the methods in **Section 2.0**. For the Level S4VEM, the reported results and percent recoveries, drifts, differences or RPDs from the above laboratory QC samples were calculated and verified from the raw data.

Precision: Precision is a measure of the repeatability of a single measurement. The precision of the dataset was assessed by evaluating the RPDs or absolute differences between primary and duplicate samples (e.g., field duplicates, MS/MSDs and laboratory replicates). Fourteen lead results from seven field duplicate pairs were qualified as estimated, “J,” due to precision anomalies. The results qualified for precision anomalies represent 4.7% of the 295 results comprising the entire dataset.

It is believed that non-homogeneity between field duplicate and parent sample was responsible for the precision anomalies. The RPD results from the MS/MSD pair and laboratory replicates were in criteria demonstrating that the laboratory analytical precision was in control.

Accuracy: Accuracy is a measure of recovery of the actual concentration of a compound. The accuracy of the dataset was assessed by the MS/MSD, laboratory replicates, serial dilution, post digestion spike, LCS, surrogate, ICV, and CCV percent recoveries, differences, or drifts. Three lead results were qualified as estimated, “J+,” due to MS or MSD accuracy anomalies. One equipment blank result for lead was qualified as and estimated LOD, “UJ,-” due to CCV anomaly. The four results qualified for accuracy anomalies represent 1.4% of the 295 results comprising the entire dataset.

Representativeness: Representativeness of the dataset is determined by the degree to which the data represent the samples submitted to the laboratory. Holding times, preservation, and percent moisture in soil and blank results affect the representativeness of a sample. Out of 295 total results reported, one lead result, or less than 1% of the 318 total dataset results, was qualified due to holding time anomalies.

Completeness: The completeness of the dataset is determined by the number of acceptable primary results after data review.

Only the results for primary or normal project samples were used in the calculation to determine the completeness of the data. Out of 243 primary sample results, 18 results or 7.4% of the total primary results were qualified as estimated value, “J,” or an estimated LOD, “UJ,” for one or more QC reasons. Out of 243 primary results, no results were rejected. Therefore, the completeness of the analytical dataset is 100%, which meets and exceeds the Combined Units Sampling Plan goal of 95% for primary samples. The results can be used for their intended purpose as qualified. In addition, field sampling completeness was 100% because no anomalies were identified with the shipping and handling of the samples, which meets and exceeds the sampling completeness goal of 95%.

Comparability: The analytical methods used for analysis affect the comparability of the dataset. The methods used for this project are listed in **Section 2.2** and are standard, peer-reviewed methods as determined by the Combined Units Sampling Plan. The analytical methods provided units of measure and reporting limits similar to past soil data. During the S4VEM review it was noted that sample 02-07SC0000 was not recorded on the air drying and consistency weight log. The lack of documentation potentially biases the comparability of the dataset as it is not documented that the sample was prepared in the same manner as the other samples. However, the sieving of the sample 02-07SC0000 was performed and documented in the preparation logs, indicating that the sample had been sufficiently dried to pass through the #60 mesh sieve. The lead result in the sample was reported at 8 mg/kg which is much less than the 225 mg/kg project decision level. The usability of the data is not significantly affected and no qualifiers are required. The non-routine occurrence is documented in **Attachment 3**.

4.2 CONCLUSION

The incorrect reporting of sample results was a major concern with the laboratory quality control system since project decisions and actions are made based on the quantitative results. A corrective action was initiated by the laboratory to ensure that the correct preparation factor will be entered in the system so that the results are reported correctly and are representative of the site. The corrective action is provided in **Attachment 3**.

The data generated for the 2016 BRA incremental soil sampling events met the project quality indicators above to be used to evaluate the protectiveness statements made in the Record of Decision Amendment and to evaluate potential risks to ecological receptors as indicated in the DQOs in the Combined Units Sampling Plan. Overall, as shown in the attached ADRs, there were sufficient data to evaluate the characteristics of the chemicals of concern and there were few QC deficiencies affecting the data. The data as qualified are of acceptable quality, and should be considered usable for their intended purposes.

5.0 REFERENCES

KEMRON, 2016a. *Final Units 1, 2, 3, 7, 10, 33, and Watkins Gate Burn Area North and South (WGBA) Sampling Work Plan, Former Fort Ord, California* (, January).

KEMRON, 2016b. *Addendum to the Final Units 1, 2, 3, 7, 10, and 33 and Watkins Gate Burn Area (WGBA)*. July. [BW-2751B.2]

U.S. Environmental Protection Agency (EPA), 2007. *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*. EPA publication SW-846, most current version available on line at <http://www.epa.gov/osw/hazard/testmethods/sw846/online/index.htm#table>. Revision 6, February.

EPA, 2009. *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use*. 540-R-08-005. Prepared by the Office of Solid Waste and Emergency Response. January.

DoD, 2013. *Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.0*. July.

Note: Applicable Administrative Record document numbers are listed in brackets.

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ATTACHMENT 1

AUTOMATED DATA REVIEW SUMMARY REPORTS

(PROVIDED ON CD)

AUTOMATED DATA REVIEW SUMMARY for FA32306R

Facility: Fort Ord

Guidance Document: I b]hg %&Z' ž+ž%\$Z' ' ŽK ; 65 `GUa d`]b[`K cf_`D`Ub: cfa Yf': cfhCfXž7 U]Zfb]Už>Ubi Ufmi&\$%

Contract Laboratory: Accutest Laboratories, Orlando, FL

Field Contractor:

Data Review Contractor:

SDG: FA32306R, Certified - 5/19/2016 by emiddleditch

QC Level: S2BVEM

Project Manager: Erin Caruso

Data Reviewer: Peggy Cota

Data Reviewer Title: Project Chemist

Date of Review Report: May 20, 2016

Second Reviewer: Eric Middleditch

Completion Date of Second Reviewer:

Samples Included in SDG FA32306R

Analytical Method/ Leach Method	Normal Soil Samples	Field QC Soil Samples
SW6010C/NONE	1	0

AUTOMATED DATA REVIEW SUMMARY for FA3& \$* F

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by ; analyses were performed by Accutest Laboratories, Orlando, FL and were reported under sample delivery group (SDG) . Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- Equipment Blank
- Field Duplicate
- Lab Replicate RPD
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Surrogate
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Field Blank
- Initial Calibration Curve
- Initial Calibration Verification
- Instrument performance
- Internal Standards
- Material Blank
- Negative Blank
- Trip Blank
- ICP Metal QC: Serial Dilution, Post Digestion Spike and Interference Check Sample

AUTOMATED DATA REVIEW SUMMARY for FA32306R

A minimum of ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 1 results (100.00%) out of the 1 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

The lead analysis for sample 33-01SC0002 (FA32306-33R) listed on the sample summary page of the laboratory report was initially requested but later cancelled. Sample 33-01SC0001 (FA32306-32R) is the only sample reported in this SDG.

The equipment blank (EB) associated with the sample from this SDG was reported in SDG FA32306. Lead was not detected above the detection limit in the EB.

Peggy Cota

Released by Peggy Cota, Project Chemist

Eric Middleditch

Released by Eric Middleditch

20-May-2016

AUTOMATED DATA REVIEW SUMMARY for FA32306R

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B1	The analyte was found in an associated method blank.
B2	Calibration Blank
B3	Calibration Blank - Negative
B4	Negative Blank
B5	The analyte was found in an associated blank as well as in the sample.
C10	Continuing Calibration Verification RRF
C11	Continuing Calibration Verification percent recovery, percent difference, or percent drift
C12	Low Level Continuing Calibration Verification was outside control limits
D1	Lab Replicate RPD
D2	MS RPD exceeded established criteria.
D4	No precision available
D5	Field duplicate precision
D6	RPD of laboratory control sample exceeded criteria
D7	Field Duplicate not usable
E	Exceeds LinearCalibration Range
F	Hydrocarbon pattern does not match standard
G	Initial Calibration RRF
G1	Initial Calibration RSD
G2	Initial Calibration Verification percent recovery, percent difference, or percent drift
G3	r2 values < 0.990 in the ICAL
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
G5	Initial Calibration out for metals/inorganics
H1	Test Hold Time
H2	Prep Hold Time

AUTOMATED DATA REVIEW SUMMARY for FA32306R

Reason and Comment Code Definitions

Reasons	
Code	Definition
I	Internal standard
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
K1	Detected in the associated equipment rinsate blank.
K2	Detected in the associated field (i.e., ambient) blank.
K3	Detected in the associated trip blank.
K4	Detected in the associated storage blank
K5	Detected in the associated source blank
L	Percent recovery of laboratory control sample recovery was outside established limits
L1	A common laboratory artifact was detected in the sample at a concentration less than 10X the concentration detected in the associated method blank. (Negative)
M	Matrix spike recovery was outside established criteria.
M1	Minimum matrix spike frequency was not attained
N	Blank - No Action
O	Interference check sample
P	Sample preservation/collection requirement not met.
P1	Column or detector RPD
P2	Improper preparation/extraction
Q1	Material Blank
S	Surrogate recovery out of criteria (upper or lower limit)
S1	Sample less than 50% solids
T	Receipt Temperature
T2	RSD of lab triplicate out
TI	Tentatively Identified Compound
TR	Trace Level Detect
V	Sample Receipt Condition
W	Column breakdown (pesticides)

AUTOMATED DATA REVIEW SUMMARY for FA32306R

Reason and Comment Code Definitions

Reasons	
Code	Definition
X	Raised reporting limit
X1	Unresolved Isomers; no peak separation
X2	Qualified due to professional judgment, see data validation narrative.
Y	Analyte not confirmed on second column
Y1	False Positive
Y2	Sum of species greater than total result
Z	Data rejected due to radiological anomalies
Z1	Data rejected, more valid data available

Flag Code and Definitions

Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for FA32306R

Batch Report

Test Method: SW6010C; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
MA13167	MP30366	NA	33-01	SO	33-01SC0001	MP30366-D1	MA13167	1/5	14-Mar-2016 2:20 PM	18-May-2016 7:59 AM	18-May-2016 12:21 PM	LR
	MP30366	NA	33-01	SO	33-01SC0001	MP30366-S1	MA13167	1/5	14-Mar-2016 2:20 PM	18-May-2016 7:59 AM	18-May-2016 12:38 PM	MS
	MP30366	NA	33-01	SO	33-01SC0001	FA32306-32R	MA13167	1/5	14-Mar-2016 2:20 PM	18-May-2016 7:59 AM	18-May-2016 12:17 PM	N
	MP30366	NA	33-01	SO	33-01SC0001	MP30366-S2	MA13167	1/5	14-Mar-2016 2:20 PM	18-May-2016 7:59 AM	18-May-2016 12:43 PM	SD
	MP30366	NA	LABQC	SQ	LABQC	MP30366-B1	MA13167	1/5	18-May-2016 7:59 AM	18-May-2016 7:59 AM	18-May-2016 12:13 PM	BS
	MP30366	NA	LABQC	SQ	LABQC	MP30366-MB1	MA13167	1/5	18-May-2016 7:59 AM	18-May-2016 7:59 AM	18-May-2016 12:09 PM	LB

AUTOMATED DATA REVIEW SUMMARY for FA32306R

Field Batch Report

--No Records Found--

AUTOMATED DATA REVIEW SUMMARY for FA32306R

QC Outlier Report

Test/Prep	QC Element	Sample ID	Run# / Dil'n	Analyte	Result	Units	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
SW6010C / SW3050B	MS Recovery	33-01SC0001 (MS)	1 / 5.00	Lead	115	Percent	J/None	81 - 112	50 - 122	M			

AUTOMATED DATA REVIEW SUMMARY for FA32306R

Qualified Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	33-01SC0001	N	Lead	1.9	6.6	6.6 J	MG/KG	M

AUTOMATED DATA REVIEW SUMMARY for FA32306R

Detected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	33-01SC0001	N	Lead	1.9	6.6	6.6 J	MG/KG	M

AUTOMATED DATA REVIEW SUMMARY for FA32306R

Rejected Results

--No Records Found--

Automated Data Review Detail Report for FA32306R

Fort Ord_Basewide Range Assessment Spring 2016

Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California



Review Questions

Method:SW6010C Soil	Yes	No	NA	Comment
Review Questions				
Stage 2 Review: COC - Custody Trail?	.			
Stage 2 Review: COC - Temperature/Condition?	.			
Stage 2 Review: COC - Receipt anomalies?	.			
Stage 2 Review: COC - Sample/Methods checked?		.		Analysis of sample 33-01SC0002 (FA32306-33R) listed on the sample summary page of the laboratory report was cancelled. See Narrative Comments.
Stage 2 Review: Case Narrative - Anomalies?	.			MS %R and post digestion spike out for sample 33-01SC0001 (FA32306-32R),
Stage 2 Review: Samples - Collection date?	.			3/14/2016
Stage 2 Review: Samples - Extraction date?	.			5/18/2016
Stage 2 Review: Samples - Analysis date?	.			5/18/2016
Stage 2 Review: Samples - Holding time? [180 days]	.			
Stage 2 Review: Samples - Batching?	.			MP30366 / MA13167
Stage 2 Review: Samples - Lab qualifiers?	.			
Stage 2 Review: Calibration - ICAL? $R^2 \geq 0.99$.			
Stage 2 Review: Calibration - ICB / CCB [<DL]	.			
Stage 2 Review: Calibration - ICV? [90-110%R or 10%D]	.			
Stage 2 Review: Calibration - CCV? [90-110%R or 10%D]	.			
Stage 2 Review: Low/High Level Standard [80-120%R]	.			
Stage 2 Review: ICSA [80-120%R or ABS value<LOD]	.			
Stage 2 Review: ICSAB [80-120%R or ABS value<LOD]	.			
Stage 2 Review: Blank - Method blank? [<DL]	.			
Stage 2 Review: Blank - Equipment blank? [<DL]	.			EB reported in SDG FA32306. See Narrative Comments.
Stage 2 Review: Precision/Accuracy - MS/MSD? [20 RPD 81-112%R Soil 86-113% EB]	.			%R for MS prepared from sample 33-01SC0001 (FA32306-32R) out of criteria. See QC Outlier Report.
Stage 2 Review: Precision/Accuracy - Post Digestion Spike? [80-120%R]	.			%R for post digestion spike prepared from sample 33-01SC0001 (FA32306-32R) out of criteria confirming the high bias of the matrix spike %R (see MS/MSD above). No further qualifiers are required.
Stage 2 Review: Precision/Accuracy - Serial Dilution? [90-110%R or 10%D]	.			
Stage 2 Review: Precision/Accuracy - LCS/LCSD? [20 RPD 81-112%R Soil 86-113% EB]	.			
Stage 2 Review: Quantitation - PQLs? [225 mg/kg (ROD Range); LOD 0.2 LOQ 1.0 mg/kg]	.			DL 0.1, LOD is 0.4; LOQ is 2 mg/kg (note - all samples and QC samples analyzed at 5X dilution; all samples were reported > LOQ).
Stage 2 Review: Quantitation - Dilution Factor?	.			
Stage 2 Review: Quantitation - Results (i.e. correct analytes)?	.			
Stage 2 Review: Field Duplicates - RPD within limits? [RPD<40]	.		.	



Qualified Results Table

Lab Sample ID	Sample ID	Sample Collection Date	Type	Method	Parameter	Original Value	Qualifier	New Value	Bias	MDL	RL	Units	Reason
FA32306-32R	33-01SC0001	3/14/2016	SO-N	SW6010C	Lead	6.6	J	6.6 J	+	0.094	1.9	MG/KG	M

Matrix / Sample Type

Matrix	Matrix Description	Sample Code	Sample Code Description
SO	SOIL	N	Normal

Data Qualifier Definitions

Flag	Description
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.

Reason and Comment Code Definitions

Code	Description
M	Matrix spike recovery was outside established criteria.

AUTOMATED DATA REVIEW SUMMARY for FA32306

Facility: Fort Ord

Guidance Document: Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California, January 2016

Contract Laboratory: Accutest Laboratories, Orlando, FL

Field Contractor:

Data Review Contractor:

SDG: FA32306, Certified - 5/19/2016 by emiddleditch

QC Level: S2BVEM

Project Manager: Erin Caruso

Data Reviewer: Peggy Cota

Data Reviewer Title: Project Chemist

Date of Review Report: May 20, 2016

Second Reviewer: Eric Middleditch

Completion Date of Second Reviewer:

Samples Included in SDG FA32306

Analytical Method/ Leach Method	Normal Soil Samples	Normal Water Samples	Field QC Soil Samples	Field QC Water Samples
SW6010C/NONE	11	0	1	1

AUTOMATED DATA REVIEW SUMMARY for FA3& \$*

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by ; analyses were performed by Accutest Laboratories, Orlando, FL and were reported under sample delivery group (SDG) . Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- Equipment Blank
- Field Duplicate
- Lab Replicate RPD
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Surrogate
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Field Blank
- Initial Calibration Curve
- Initial Calibration Verification
- Instrument performance
- Internal Standards
- Material Blank
- Negative Blank
- Trip Blank
- ICP Metal QC: Serial Dilution, Post Digestion Spike and Interference Check Sample

AUTOMATED DATA REVIEW SUMMARY for FA32306

A minimum of ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 0 results (0.00%) out of the 13 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

The samples were received at the laboratory at 12°C which is greater than the QAPP criteria of less than 6°C. Since there is no method temperature requirement for metals, no qualifiers were required.

Peggy Cota

Released by Peggy Cota, Project Chemist

Eric Middleditch

Released by Eric Middleditch

20-May-2016

AUTOMATED DATA REVIEW SUMMARY for FA32306

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B1	The analyte was found in an associated method blank.
B2	Calibration Blank
B3	Calibration Blank - Negative
B4	Negative Blank
B5	The analyte was found in an associated blank as well as in the sample.
C10	Continuing Calibration Verification RRF
C11	Continuing Calibration Verification percent recovery, percent difference, or percent drift
C12	Low Level Continuing Calibration Verification was outside control limits
D1	Lab Replicate RPD
D2	MS RPD exceeded established criteria.
D4	No precision available
D5	Field duplicate precision
D6	RPD of laboratory control sample exceeded criteria
D7	Field Duplicate not usable
E	Exceeds LinearCalibration Range
F	Hydrocarbon pattern does not match standard
G	Initial Calibration RRF
G1	Initial Calibration RSD
G2	Initial Calibration Verification percent recovery, percent difference, or percent drift
G3	r2 values < 0.990 in the ICAL
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
G5	Initial Calibration out for metals/inorganics
H1	Test Hold Time
H2	Prep Hold Time

AUTOMATED DATA REVIEW SUMMARY for FA32306

Reason and Comment Code Definitions

Reasons	
Code	Definition
I	Internal standard
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
K1	Detected in the associated equipment rinsate blank.
K2	Detected in the associated field (i.e., ambient) blank.
K3	Detected in the associated trip blank.
K4	Detected in the associated storage blank
K5	Detected in the associated source blank
L	Percent recovery of laboratory control sample recovery was outside established limits
L1	A common laboratory artifact was detected in the sample at a concentration less than 10X the concentration detected in the associated method blank. (Negative)
M	Matrix spike recovery was outside established criteria.
M1	Minimum matrix spike frequency was not attained
N	Blank - No Action
O	Interference check sample
P	Sample preservation/collection requirement not met.
P1	Column or detector RPD
P2	Improper preparation/extraction
Q1	Material Blank
S	Surrogate recovery out of criteria (upper or lower limit)
S1	Sample less than 50% solids
T	Receipt Temperature
T2	RSD of lab triplicate out
TI	Tentatively Identified Compound
TR	Trace Level Detect
V	Sample Receipt Condition
W	Column breakdown (pesticides)

AUTOMATED DATA REVIEW SUMMARY for FA32306

Reason and Comment Code Definitions

Reasons	
Code	Definition
X	Raised reporting limit
X1	Unresolved Isomers; no peak separation
X2	Qualified due to professional judgment, see data validation narrative.
Y	Analyte not confirmed on second column
Y1	False Positive
Y2	Sum of species greater than total result
Z	Data rejected due to radiological anomalies
Z1	Data rejected, more valid data available

Flag Code and Definitions

Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for FA32306

Batch Report

Test Method: SW6010C; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
MA13055	MP30160	NA	FIELDQC	WQ	33-ER-15SC	FA32306-37	MA13055	1/1	14-Mar-2016 4:30 PM	24-Mar-2016 8:40 AM	24-Mar-2016 2:49 PM	EB
	MP30160	NA	LABQC	WQ	LABQC	MP30160-B1	MA13055	1/1	24-Mar-2016 8:40 AM	24-Mar-2016 8:40 AM	24-Mar-2016 11:52 AM	BS
	MP30160	NA	LABQC	WQ	LABQC	MP30160-MB1	MA13055	1/1	24-Mar-2016 8:40 AM	24-Mar-2016 8:40 AM	24-Mar-2016 11:46 AM	LB
MA13111	MP30271	NA	10-03	SO	10-03SC0000	FA32306-7	MA13111	1/5	14-Mar-2016 10:45 AM	25-Apr-2016 8:47 AM	25-Apr-2016 3:16 PM	N
	MP30271	NA	10-04	SO	10-04SC0000	FA32306-4	MA13111	1/5	14-Mar-2016 9:45 AM	25-Apr-2016 8:47 AM	25-Apr-2016 3:12 PM	N
	MP30271	NA	10-07	SO	10-07SC0000	FA32306-25	MA13111	1/5	14-Mar-2016 11:25 AM	25-Apr-2016 8:47 AM	25-Apr-2016 3:51 PM	N
	MP30271	NA	10-15	SO	10-15SC0000	FA32306-10	MA13111	1/5	14-Mar-2016 12:50 PM	25-Apr-2016 8:47 AM	25-Apr-2016 3:20 PM	N
	MP30271	NA	10-15	SO	10-15SC0000Q	FA32306-11	MA13111	1/5	14-Mar-2016 12:50 PM	25-Apr-2016 8:47 AM	25-Apr-2016 3:25 PM	FD
	MP30271	NA	10-16	SO	10-16SC0000	FA32306-1	MA13111	1/5	14-Mar-2016 9:00 AM	25-Apr-2016 8:47 AM	25-Apr-2016 3:07 PM	N
	MP30271	NA	10-20	SO	10-20SC0000	FA32306-22	MA13111	1/5	14-Mar-2016 10:50 AM	25-Apr-2016 8:47 AM	25-Apr-2016 3:47 PM	N
	MP30271	NA	10-23	SO	10-23SC0000	FA32306-16	MA13111	1/5	14-Mar-2016 8:30 AM	25-Apr-2016 8:47 AM	25-Apr-2016 3:29 PM	N
	MP30271	NA	10-26	SO	10-26SC0000	FA32306-19	MA13111	1/5	14-Mar-2016 9:30 AM	25-Apr-2016 8:47 AM	25-Apr-2016 3:42 PM	N
	MP30271	NA	33-10	SO	33-10SC0000	FA32306-28	MA13111	1/5	14-Mar-2016 1:35 PM	25-Apr-2016 8:47 AM	25-Apr-2016 3:55 PM	N
	MP30271	NA	33-11	SO	33-11SC0000	FA32306-34	MA13111	1/5	14-Mar-2016 3:05 PM	25-Apr-2016 8:47 AM	25-Apr-2016 4:04 PM	N
	MP30271	NA	LABQC	SQ	LABQC	MP30271-B1	MA13111	1/5	25-Apr-2016 8:47 AM	25-Apr-2016 8:47 AM	25-Apr-2016 2:06 PM	BS
	MP30271	NA	LABQC	SQ	LABQC	MP30271-MB1	MA13111	1/5	25-Apr-2016 8:47 AM	25-Apr-2016 8:47 AM	25-Apr-2016 2:02 PM	LB
MA13113	MP30271	NA	33-01	SO	33-01SC0000	FA32306-31	MA13113	1/10	14-Mar-2016 2:12 PM	25-Apr-2016 8:47 AM	26-Apr-2016 11:13 AM	N

AUTOMATED DATA REVIEW SUMMARY for FA32306

Field Batch Report

Test Method: SW6010C		Leach Method: NONE						
EBLOT	TBLOT	ABLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
14031601			FIELDQC	WQ	33-ER-15SC	FA32306-37	3/14/2016 4:30:00 PM	EB
14031601			33-01	SO	33-01SC0000	FA32306-31	3/14/2016 2:12:00 PM	N
14031601			33-11	SO	33-11SC0000	FA32306-34	3/14/2016 3:05:00 PM	N

QC Outlier Report

--No Records Found--

Qualified Results

--No Records Found--

Detected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	10-03SC0000	N	Lead	1.9	146	146	MG/KG	
SW6010C/NONE	SO	10-04SC0000	N	Lead	2.0	16.1	16.1	MG/KG	
SW6010C/NONE	SO	10-07SC0000	N	Lead	1.9	9.4	9.4	MG/KG	
SW6010C/NONE	SO	10-15SC0000	N	Lead	2.0	49.7	49.7	MG/KG	
SW6010C/NONE	SO	10-15SC0000Q	FD	Lead	1.8	47.3	47.3	MG/KG	
SW6010C/NONE	SO	10-16SC0000	N	Lead	1.9	28.6	28.6	MG/KG	
SW6010C/NONE	SO	10-20SC0000	N	Lead	1.8	6.2	6.2	MG/KG	
SW6010C/NONE	SO	10-23SC0000	N	Lead	1.9	4.9	4.9	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for FA32306

Detected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	10-26SC0000	N	Lead	1.9	13.0	13.0	MG/KG	
SW6010C/NONE	SO	33-01SC0000	N	Lead	3.9	566	566	MG/KG	
SW6010C/NONE	SO	33-10SC0000	N	Lead	1.9	133	133	MG/KG	
SW6010C/NONE	SO	33-11SC0000	N	Lead	1.9	4.6	4.6	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for FA32306

Rejected Results

--No Records Found--

Automated Data Review Detail Report for FA32306

Fort Ord_Basewide Range Assessment Spring 2016

Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California



Review Questions

Method:SW6010C Soil and aqueous EB				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	.			
Stage 2 Review: COC - Temperature/Condition?	.			
Stage 2 Review: COC - Receipt anomalies?	.			
Stage 2 Review: COC - Sample/Methods checked?	.			
Stage 2 Review: Case Narrative - Anomalies?	.			
Stage 2 Review: Samples - Collection date?	.			3/14/2016
Stage 2 Review: Samples - Extraction date?	.			Soil 4/25/16 EB 3/24/16
Stage 2 Review: Samples - Analysis date?	.			Soil 4/25/16 EB 3/24/16
Stage 2 Review: Samples - Holding time? [180 days]	.			
Stage 2 Review: Samples - Batching?	.			Soil MP30271 / MA13111 / MA13113 EB MP30160 / MA13055
Stage 2 Review: Samples - Lab qualifiers?	.			
Stage 2 Review: Calibration - ICAL? $R^2 \geq 0.99$.			
Stage 2 Review: Calibration - ICB / CCB [$<DL$]	.			
Stage 2 Review: Calibration - ICV? [90-110%R or 10%D]	.			
Stage 2 Review: Calibration - CCV? [90-110%R or 10%D]	.			
Stage 2 Review: Low/High Level Standard [80-120%R]	.			
Stage 2 Review: ICSA [80-120%R or ABS value<LOD]	.			
Stage 2 Review: ICSAB [80-120%R or ABS value<LOD]	.			
Stage 2 Review: Blank - Method blank? [$<DL$]	.			
Stage 2 Review: Blank - Equipment blank? [$<DL$]	.			
Stage 2 Review: Precision/Accuracy - MS/MSD? [20 RPD 81-112%R Soil 86-113% EB]	.			Nonsdg parent sample for soil. Evaluate RPD only.
Stage 2 Review: Precision/Accuracy - Post Digestion Spike? [80-120%R]	.			Nonsdg parent sample.
Stage 2 Review: Precision/Accuracy - Serial Dilution? [90-110%R or 10%D]	.			Nonsdg parent sample.
Stage 2 Review: Precision/Accuracy - LCS/LCSD? [20 RPD 81-112%R Soil 86-113% EB]	.			
Stage 2 Review: Quantitation - PQLs? [225 mg/kg (ROD Range); LOD 0.2 LOQ 1.0 mg/kg]	.			DL is 0.1, LOD is 0.4, LOQ is 2 mg/kg (note - all samples and QC samples analyzed at 5X or 10X dilution; all soil samples were reported > LOQ)
Stage 2 Review: Quantitation - Dilution Factor?	.			
Stage 2 Review: Quantitation - Results (i.e. correct analytes)?	.			
Stage 2 Review: Field Duplicates - RPD within limits? [$RPD \leq 40$]	.			Samples 10/11

Fort Ord_Basewide Range Assessment Spring 2016

Field Duplicate Report By SDG

BRA with KEMRON

Units 1,2,3,7,10,33,WGBASampWP

Field Duplicates for SDG: FA32306



Location **Analysis**
10-15 SW6010C

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
10-15SC0000 / 10-15SC0000Q	FA32306-10 / FA32306-11	Lead	49.7	47.3	2.00	4.95	40	OK	NA

FD = Field Duplicate
RL = Reporting Limit
RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil

AUTOMATED DATA REVIEW SUMMARY for FA32238

Facility: Fort Ord

Guidance Document: Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California, January 2016

Contract Laboratory: Accutest Laboratories, Orlando, FL

Field Contractor:

Data Review Contractor:

SDG: FA32238, Certified - 4/26/2016 by rweekly

QC Level: S2BVEM

Project Manager: Erin Caruso

Data Reviewer: Peggy Cota

Data Reviewer Title: Project Chemist

Date of Review Report: May 17, 2016

Second Reviewer: Eric Middleditch

Completion Date of Second Reviewer:

Samples Included in SDG FA32238

Analytical Method/ Leach Method	Normal Soil Samples	Normal Water Samples	Field QC Soil Samples	Field QC Water Samples
SW6010C/NONE	10	0	0	1

AUTOMATED DATA REVIEW SUMMARY for FA328' ,

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by ; analyses were performed by Accutest Laboratories, Orlando, FL and were reported under sample delivery group (SDG) . Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- Equipment Blank
- Field Duplicate
- Lab Replicate RPD
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Surrogate
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Field Blank
- Initial Calibration Curve
- Initial Calibration Verification
- Instrument performance
- Internal Standards
- Material Blank
- Negative Blank
- Trip Blank
- ICP Metal QC: Serial Dilution, Post Digestion Spike and Interference Check Sample

AUTOMATED DATA REVIEW SUMMARY for FA32238

A minimum of ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 1 results (9.09%) out of the 11 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

None.

Peggy Cota

Released by Peggy Cota, Project Chemist

17-May-2016

Eric Middleditch

Released by Eric Middleditch

AUTOMATED DATA REVIEW SUMMARY for FA32238

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B1	The analyte was found in an associated method blank.
B2	Calibration Blank
B3	Calibration Blank - Negative
B4	Negative Blank
B5	The analyte was found in an associated blank as well as in the sample.
C10	Continuing Calibration Verification RRF
C11	Continuing Calibration Verification percent recovery, percent difference, or percent drift
C12	Low Level Continuing Calibration Verification was outside control limits
D1	Lab Replicate RPD
D2	MS RPD exceeded established criteria.
D4	No precision available
D5	Field duplicate precision
D6	RPD of laboratory control sample exceeded criteria
D7	Field Duplicate not usable
E	Exceeds LinearCalibration Range
F	Hydrocarbon pattern does not match standard
G	Initial Calibration RRF
G1	Initial Calibration RSD
G2	Initial Calibration Verification percent recovery, percent difference, or percent drift
G3	r2 values < 0.990 in the ICAL
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
G5	Initial Calibration out for metals/inorganics
H1	Test Hold Time
H2	Prep Hold Time

AUTOMATED DATA REVIEW SUMMARY for FA32238

Reason and Comment Code Definitions

Reasons	
Code	Definition
I	Internal standard
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
K1	Detected in the associated equipment rinsate blank.
K2	Detected in the associated field (i.e., ambient) blank.
K3	Detected in the associated trip blank.
K4	Detected in the associated storage blank
K5	Detected in the associated source blank
L	Percent recovery of laboratory control sample recovery was outside established limits
L1	A common laboratory artifact was detected in the sample at a concentration less than 10X the concentration detected in the associated method blank. (Negative)
M	Matrix spike recovery was outside established criteria.
M1	Minimum matrix spike frequency was not attained
N	Blank - No Action
O	Interference check sample
P	Sample preservation/collection requirement not met.
P1	Column or detector RPD
P2	Improper preparation/extraction
Q1	Material Blank
S	Surrogate recovery out of criteria (upper or lower limit)
S1	Sample less than 50% solids
T	Receipt Temperature
T2	RSD of lab triplicate out
TI	Tentatively Identified Compound
TR	Trace Level Detect
V	Sample Receipt Condition
W	Column breakdown (pesticides)

AUTOMATED DATA REVIEW SUMMARY for FA32238

Reason and Comment Code Definitions

Reasons	
Code	Definition
X	Raised reporting limit
X1	Unresolved Isomers; no peak separation
X2	Qualified due to professional judgment, see data validation narrative.
Y	Analyte not confirmed on second column
Y1	False Positive
Y2	Sum of species greater than total result
Z	Data rejected due to radiological anomalies
Z1	Data rejected, more valid data available

Flag Code and Definitions

Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for FA32238

Batch Report

Test Method: SW6010C; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
MA13053	MP30157	NA	FIELDQC	WQ	10-ER13SC	FA32238-16	MA13053	1/1	09-Mar-2016 3:05 PM	23-Mar-2016 8:18 AM	23-Mar-2016 12:32 PM	EB
	MP30157	NA	LABQC	WQ	LABQC	MP30157-B1	MA13053	1/1	23-Mar-2016 8:18 AM	23-Mar-2016 8:18 AM	23-Mar-2016 11:17 AM	BS
	MP30157	NA	LABQC	WQ	LABQC	MP30157-MB1	MA13053	1/1	23-Mar-2016 8:18 AM	23-Mar-2016 8:18 AM	23-Mar-2016 11:13 AM	LB
	MP30157	NA	LABQC	WQ	LABQC	MP30157-MB2A	MA13053	1/1	23-Mar-2016 8:18 AM	23-Mar-2016 8:18 AM	23-Mar-2016 1:33 PM	LB
MA13106	MP30269	NA	07-04	SO	07-04SC0000	FA32238-1	MA13106	1/5	09-Mar-2016 8:20 AM	22-Apr-2016 9:32 AM	22-Apr-2016 4:00 PM	N
	MP30269	NA	07-16	SO	07-16SC0000	FA32238-4	MA13106	1/5	09-Mar-2016 9:15 AM	22-Apr-2016 9:32 AM	22-Apr-2016 4:05 PM	N
	MP30269	NA	10-10	SO	10-10SC0000	FA32238-7	MA13106	1/5	09-Mar-2016 10:55 AM	22-Apr-2016 9:32 AM	22-Apr-2016 4:09 PM	N
	MP30269	NA	10-11	SO	10-11SC0000	FA32238-10	MA13106	1/5	09-Mar-2016 11:45 AM	22-Apr-2016 9:32 AM	22-Apr-2016 4:14 PM	N
	MP30269	NA	LABQC	SQ	LABQC	MP30269-B1	MA13106	1/5	22-Apr-2016 9:32 AM	22-Apr-2016 9:32 AM	22-Apr-2016 2:04 PM	BS
	MP30269	NA	LABQC	SQ	LABQC	MP30269-MB1	MA13106	1/5	22-Apr-2016 9:32 AM	22-Apr-2016 9:32 AM	22-Apr-2016 1:59 PM	LB
MA13111	MP30271	NA	10-01	SO	10-01SC0000	MP30271-D1	MA13111	1/5	09-Mar-2016 1:45 PM	25-Apr-2016 8:47 AM	25-Apr-2016 2:15 PM	LR
	MP30271	NA	10-01	SO	10-01SC0000	MP30271-S1	MA13111	1/5	09-Mar-2016 1:45 PM	25-Apr-2016 8:47 AM	25-Apr-2016 2:28 PM	MS
	MP30271	NA	10-01	SO	10-01SC0000	FA32238-13	MA13111	1/5	09-Mar-2016 1:45 PM	25-Apr-2016 8:47 AM	25-Apr-2016 2:10 PM	N
	MP30271	NA	10-01	SO	10-01SC0000	MP30271-S2	MA13111	1/5	09-Mar-2016 1:45 PM	25-Apr-2016 8:47 AM	25-Apr-2016 2:32 PM	SD
	MP30271	NA	10-05	SO	10-05SC0000	FA32238-17	MA13111	1/5	09-Mar-2016 9:45 AM	25-Apr-2016 8:47 AM	25-Apr-2016 2:37 PM	N
	MP30271	NA	10-06	SO	10-06SC0000	FA32238-23	MA13111	1/5	09-Mar-2016 11:25 AM	25-Apr-2016 8:47 AM	25-Apr-2016 2:54 PM	N
	MP30271	NA	10-17	SO	10-17SC0000	FA32238-26	MA13111	1/5	09-Mar-2016 1:15 PM	25-Apr-2016 8:47 AM	25-Apr-2016 2:58 PM	N
	MP30271	NA	10-18	SO	10-18SC0000	FA32238-29	MA13111	1/5	09-Mar-2016 2:10 PM	25-Apr-2016 8:47 AM	25-Apr-2016 3:03 PM	N
	MP30271	NA	10-27	SO	10-27SC0000	FA32238-20	MA13111	1/5	09-Mar-2016 10:35 AM	25-Apr-2016 8:47 AM	25-Apr-2016 2:50 PM	N
	MP30271	NA	LABQC	SQ	LABQC	MP30271-B1	MA13111	1/5	25-Apr-2016 8:47 AM	25-Apr-2016 8:47 AM	25-Apr-2016 2:06 PM	BS
	MP30271	NA	LABQC	SQ	LABQC	MP30271-MB1	MA13111	1/5	25-Apr-2016 8:47 AM	25-Apr-2016 8:47 AM	25-Apr-2016 2:02 PM	LB

AUTOMATED DATA REVIEW SUMMARY for FA32238

Field Batch Report

Test Method: SW6010C		Leach Method: NONE						
EBLOT	TBLOT	ABLLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
09031601			FIELDQC	WQ	10-ER13SC	FA32238-16	3/9/2016 3:05:00 PM	EB
09031601			10-01	SO	10-01SC0000	FA32238-13	3/9/2016 1:45:00 PM	N
09031601			10-01	SO	10-01SC0000	MP30271-D1	3/9/2016 1:45:00 PM	LR
09031601			10-01	SO	10-01SC0000	MP30271-D2	3/9/2016 1:45:00 PM	LR
09031601			10-01	SO	10-01SC0000	MP30271-S1	3/9/2016 1:45:00 PM	MS
09031601			10-01	SO	10-01SC0000	MP30271-S2	3/9/2016 1:45:00 PM	SD
09031601			10-11	SO	10-11SC0000	FA32238-10	3/9/2016 11:45:00 AM	N

QC Outlier Report

Test/Prep	Sample ID	Run# / Dil'n	Analyte	Result	Units	Qualifier	Warning Limits	Control Limits	Reason	Commer Rule	Action Level
SW6010C SW3050B	10-01SC0000 FA32238-13	1 / 5.00	Lead	135	percent	J / UJ	81-112	10-122	M		

Qualified Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	10-01SC0000	N	Lead	1.9	21.8	21.8 J	MG/KG	M

AUTOMATED DATA REVIEW SUMMARY for FA32238

Detected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	07-04SC0000	N	Lead	2.0	49.2	49.2	MG/KG	
SW6010C/NONE	SO	07-16SC0000	N	Lead	1.9	136	136	MG/KG	
SW6010C/NONE	SO	10-01SC0000	N	Lead	1.9	21.8	21.8 J	MG/KG	M
SW6010C/NONE	SO	10-05SC0000	N	Lead	2.0	28.0	28.0	MG/KG	
SW6010C/NONE	SO	10-06SC0000	N	Lead	1.9	4.7	4.7	MG/KG	
SW6010C/NONE	SO	10-10SC0000	N	Lead	1.9	47.6	47.6	MG/KG	
SW6010C/NONE	SO	10-11SC0000	N	Lead	2.0	11.0	11.0	MG/KG	
SW6010C/NONE	SO	10-17SC0000	N	Lead	1.9	5.9	5.9	MG/KG	
SW6010C/NONE	SO	10-18SC0000	N	Lead	1.9	6.2	6.2	MG/KG	
SW6010C/NONE	SO	10-27SC0000	N	Lead	1.9	16.2	16.2	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for FA32238

Rejected Results

--No Records Found--

Automated Data Review Detail Report for FA32238

Fort Ord_Basewide Range Assessment Spring 2016

Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California



Review Questions

Method: SW6010C Soil and aqueous EB				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	.			
Stage 2 Review: COC - Temperature/Condition?	.			
Stage 2 Review: COC - Receipt anomalies?	.			
Stage 2 Review: COC - Sample/Methods checked?	.			
Stage 2 Review: Case Narrative - Anomalies?	.			
Stage 2 Review: Samples - Collection date?	.			3/9/2015
Stage 2 Review: Samples - Extraction date?	.			Soil 4/25/16; 4/22/16; EB 3/23/2016
Stage 2 Review: Samples - Analysis date?	.			
Stage 2 Review: Samples - Holding time? [180 days]	.			
Stage 2 Review: Samples - Batching?	.			Soil MP30269 / MA13106; MP30271 / MA13111 EB MP30157 / MA13053
Stage 2 Review: Samples - Lab qualifiers?	.			
Stage 2 Review: Calibration - ICAL? $R^2 \geq 0.99$.			
Stage 2 Review: Calibration - ICB / CCB [$<DL$]	.			
Stage 2 Review: Calibration - ICV? [90-110%R or 10%D]	.			
Stage 2 Review: Calibration - CCV? [90-110%R or 10%D]	.			
Stage 2 Review: Low/High Level Standard [80-120%R]	.			
Stage 2 Review: ICESA [80-120%R or ABS value<LOD]	.			
Stage 2 Review: ICESAB [80-120%R or ABS value<LOD]	.			
Stage 2 Review: Blank - Method blank? [$<DL$]	.			
Stage 2 Review: Blank - Equipment blank? [$<DL$]	.			
Stage 2 Review: Precision/Accuracy - MS/MSD? [20 RPD 81-112%R Soil 86-113% EB]	.	.		Nonsdg MS/MSDs for batches MP30269 and MP30157 - evaluate RPD only. %R out for MS from parent sample 10-01SC0000 (FA32238-13) for batch MP30271.- see QC Outlier Report
Stage 2 Review: Precision/Accuracy - Post Digestion Spike? [80-120%R]	.			.
Stage 2 Review: Precision/Accuracy - Serial Dilution? [90-110%R or 10%D]	.			.
Stage 2 Review: Precision/Accuracy - LCS/LCSD? [20 RPD 81-112%R Soil 86-113% EB]	.			single LCS
Stage 2 Review: Quantitation - PQLs? [225 mg/kg (ROD Range); LOD 0.2 LOQ 1.0 mg/kg]	.			DL 0.1, LOD is 0.4; LOQ is 2 mg/kg (note - all samples and QC samples analyzed at 5X dilution; all samples were reported > LOQ)
Stage 2 Review: Quantitation - Dilution Factor?	.			
Stage 2 Review: Quantitation - Results (i.e. correct analytes)?	.			
Stage 2 Review: Field Duplicates - RPD within limits? [$RPD \leq 40$]	.			.



Qualified Results Table

Lab Sample ID	Sample ID	Sample Collection Date	Type	Method	Parameter	Original Value	Qualifier	New Value	Bias	MDL	RL	Units	Reason
FA32238-13	10-01SC0000	3/9/2016	SO-N	SW6010C	Lead	21.8	J	21.8 J	+	0.093	1.9	MG/KG	M

Matrix / Sample Type

Matrix	Matrix Description	Sample Code	Sample Code Description
SO	SOIL	N	Normal

Data Qualifier Definitions

Flag	Description
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.

Reason and Comment Code Definitions

Code	Description
M	Matrix spike recovery was outside established criteria.

AUTOMATED DATA REVIEW SUMMARY for FA32237

Facility: Fort Ord

Guidance Document: Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California, January 2016

Contract Laboratory: Accutest Laboratories, Orlando, FL

Field Contractor:

Data Review Contractor:

SDG: FA32237, Certified - 4/26/2016 by rweekly

QC Level: S2BVEM

Project Manager: Erin Caruso

Data Reviewer: Peggy Cota

Data Reviewer Title: Project Chemist

Date of Review Report: May 12, 2016

Second Reviewer: Eric Middleditch

Completion Date of Second Reviewer:

Samples Included in SDG FA32237

Analytical Method/ Leach Method	Normal Soil Samples	Normal Water Samples	Field QC Soil Samples	Field QC Water Samples
SW6010C/NONE	9	0	1	1

AUTOMATED DATA REVIEW SUMMARY for FA32& 7

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by ; analyses were performed by Accutest Laboratories, Orlando, FL and were reported under sample delivery group (SDG) . Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- Equipment Blank
- Field Duplicate
- Lab Replicate RPD
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Surrogate
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Field Blank
- Initial Calibration Curve
- Initial Calibration Verification
- Instrument performance
- Internal Standards
- Material Blank
- Negative Blank
- Trip Blank
- ICP Metal QC: Serial Dilution, Post Digestion Spike and Interference Check Sample

AUTOMATED DATA REVIEW SUMMARY for FA32237

A minimum of ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 0 results (0.00%) out of the 11 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

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BcbY"

Peggy Cota

Released by Peggy Cota, Project Chemist

Eric Middleditch

Released by Eric Middleditch

12-May-2016

AUTOMATED DATA REVIEW SUMMARY for FA32237

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B1	The analyte was found in an associated method blank.
B2	Calibration Blank
B3	Calibration Blank - Negative
B4	Negative Blank
B5	The analyte was found in an associated blank as well as in the sample.
C10	Continuing Calibration Verification RRF
C11	Continuing Calibration Verification percent recovery, percent difference, or percent drift
C12	Low Level Continuing Calibration Verification was outside control limits
D1	Lab Replicate RPD
D2	MS RPD exceeded established criteria.
D4	No precision available
D5	Field duplicate precision
D6	RPD of laboratory control sample exceeded criteria
D7	Field Duplicate not usable
E	Exceeds LinearCalibration Range
F	Hydrocarbon pattern does not match standard
G	Initial Calibration RRF
G1	Initial Calibration RSD
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G3	r2 values < 0.990 in the ICAL
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
G5	Initial Calibration out for metals/inorganics
H1	Test Hold Time
H2	Prep Hold Time

AUTOMATED DATA REVIEW SUMMARY for FA32237

Reason and Comment Code Definitions

Reasons	
Code	Definition
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K2	Detected in the associated field (i.e., ambient) blank.
K3	Detected in the associated trip blank.
K4	Detected in the associated storage blank
K5	Detected in the associated source blank
L	Percent recovery of laboratory control sample recovery was outside established limits
L1	A common laboratory artifact was detected in the sample at a concentration less than 10X the concentration detected in the associated method blank. (Negative)
M	Matrix spike recovery was outside established criteria.
M1	Minimum matrix spike frequency was not attained
N	Blank - No Action
O	Interference check sample
P	Sample preservation/collection requirement not met.
P1	Column or detector RPD
P2	Improper preparation/extraction
Q1	Material Blank
S	Surrogate recovery out of criteria (upper or lower limit)
S1	Sample less than 50% solids
T	Receipt Temperature
T2	RSD of lab triplicate out
TI	Tentatively Identified Compound
TR	Trace Level Detect
V	Sample Receipt Condition
W	Column breakdown (pesticides)

AUTOMATED DATA REVIEW SUMMARY for FA32237

Reason and Comment Code Definitions

Reasons	
Code	Definition
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X1	Unresolved Isomers; no peak separation
X2	Qualified due to professional judgment, see data validation narrative.
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Y1	False Positive
Y2	Sum of species greater than total result
Z	Data rejected due to radiological anomalies
Z1	Data rejected, more valid data available

Flag Code and Definitions

Flag	Definition
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UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for FA32237

Batch Report

Test Method: SW6010C; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
MA13053	MP30157	NA	FIELDQC	WQ	10-ER14SC	FA32237-31	MA13053	1/1	10-Mar-2016 2:30 PM	23-Mar-2016 8:18 AM	23-Mar-2016 12:27 PM	EB
	MP30157	NA	LABQC	WQ	LABQC	MP30157-B1	MA13053	1/1	23-Mar-2016 8:18 AM	23-Mar-2016 8:18 AM	23-Mar-2016 11:17 AM	BS
	MP30157	NA	LABQC	WQ	LABQC	MP30157-MB1	MA13053	1/1	23-Mar-2016 8:18 AM	23-Mar-2016 8:18 AM	23-Mar-2016 11:13 AM	LB
	MP30157	NA	LABQC	WQ	LABQC	MP30157-MB2A	MA13053	1/1	23-Mar-2016 8:18 AM	23-Mar-2016 8:18 AM	23-Mar-2016 1:33 PM	LB
MA13106	MP30269	NA	10-02	SO	10-02SC0000	FA32237-7	MA13106	1/5	10-Mar-2016 10:25 AM	22-Apr-2016 9:32 AM	22-Apr-2016 3:17 PM	N
	MP30269	NA	10-08	SO	10-08SC0000	FA32237-25	MA13106	1/5	10-Mar-2016 11:12 AM	22-Apr-2016 9:32 AM	22-Apr-2016 3:52 PM	N
	MP30269	NA	10-12	SO	10-12SC0000	FA32237-10	MA13106	1/5	10-Mar-2016 12:15 PM	22-Apr-2016 9:32 AM	22-Apr-2016 3:21 PM	N
	MP30269	NA	10-13	SO	10-13SC0000	FA32237-4	MA13106	1/5	10-Mar-2016 9:40 AM	22-Apr-2016 9:32 AM	22-Apr-2016 3:12 PM	N
	MP30269	NA	10-14	SO	10-14SC0000	FA32237-1	MA13106	1/5	10-Mar-2016 8:40 AM	22-Apr-2016 9:32 AM	22-Apr-2016 3:08 PM	N
	MP30269	NA	10-19	SO	10-19SC0000	FA32237-13	MA13106	1/5	10-Mar-2016 8:50 AM	22-Apr-2016 9:32 AM	22-Apr-2016 3:25 PM	N
	MP30269	NA	10-19	SO	10-19SC0000Q	FA32237-14	MA13106	1/5	10-Mar-2016 8:50 AM	22-Apr-2016 9:32 AM	22-Apr-2016 3:30 PM	FD
	MP30269	NA	10-21	SO	10-21SC0000	FA32237-19	MA13106	1/5	10-Mar-2016 9:40 AM	22-Apr-2016 9:32 AM	22-Apr-2016 3:34 PM	N
	MP30269	NA	10-22	SO	10-22SC0000	FA32237-22	MA13106	1/5	10-Mar-2016 10:20 AM	22-Apr-2016 9:32 AM	22-Apr-2016 3:38 PM	N
	MP30269	NA	10-25	SO	10-25SC0000	FA32237-28	MA13106	1/5	10-Mar-2016 12:05 PM	22-Apr-2016 9:32 AM	22-Apr-2016 3:56 PM	N
	MP30269	NA	LABQC	SQ	LABQC	MP30269-B1	MA13106	1/5	22-Apr-2016 9:32 AM	22-Apr-2016 9:32 AM	22-Apr-2016 2:04 PM	BS
	MP30269	NA	LABQC	SQ	LABQC	MP30269-MB1	MA13106	1/5	22-Apr-2016 9:32 AM	22-Apr-2016 9:32 AM	22-Apr-2016 1:59 PM	LB

AUTOMATED DATA REVIEW SUMMARY for FA32237

Field Batch Report

Test Method: SW6010C		Leach Method: NONE						
EBLOT	TBLOT	ABLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
10031601			FIELDQC	WQ	10-ER14SC	FA32237-31	3/10/2016 2:30:00 PM	EB
10031601			10-12	SO	10-12SC0000	FA32237-10	3/10/2016 12:15:00 PM	N
10031601			10-25	SO	10-25SC0000	FA32237-28	3/10/2016 12:05:00 PM	N

QC Outlier Report

--No Records Found--

Qualified Results

--No Records Found--

Detected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	10-02SC0000	N	Lead	2.0	25.2	25.2	MG/KG	
SW6010C/NONE	SO	10-08SC0000	N	Lead	1.9	4.1	4.1	MG/KG	
SW6010C/NONE	SO	10-12SC0000	N	Lead	1.8	15.9	15.9	MG/KG	
SW6010C/NONE	SO	10-13SC0000	N	Lead	1.9	13.8	13.8	MG/KG	
SW6010C/NONE	SO	10-14SC0000	N	Lead	1.9	50.8	50.8	MG/KG	
SW6010C/NONE	SO	10-19SC0000	N	Lead	2.0	8.0	8.0	MG/KG	
SW6010C/NONE	SO	10-19SC0000Q	FD	Lead	1.9	10.0	10.0	MG/KG	
SW6010C/NONE	SO	10-21SC0000	N	Lead	2.0	18.3	18.3	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for FA32237

Detected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	10-22SC0000	N	Lead	1.9	7.2	7.2	MG/KG	
SW6010C/NONE	SO	10-25SC0000	N	Lead	1.9	35.0	35.0	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for FA32237

Rejected Results

--No Records Found--

Anomalies Count

--No Records Found--

Automated Data Review Detail Report for FA32837

Fort Ord Basewide Range Assessment Spring 2016

Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California



Review Questions

Method:SW6010C Soil and aqueous EB				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	.			
Stage 2 Review: COC - Temperature/Condition?	.			
Stage 2 Review: COC - Receipt anomalies?	.			
Stage 2 Review: COC - Sample/Methods checked?	.			
Stage 2 Review: Case Narrative - Anomalies?	.			
Stage 2 Review: Samples - Collection date?	.			3/10/2016
Stage 2 Review: Samples - Extraction date?	.			Soil 4/22/16 / EB 3/23/16
Stage 2 Review: Samples - Analysis date?	.			Soil 4/22/16 / EB 3/23/16
Stage 2 Review: Samples - Holding time? [180 days]	.			
Stage 2 Review: Samples - Batching?	.			Soil MP30269 / MA13106 EB MP30157 / MA13053
Stage 2 Review: Samples - Lab qualifiers?	.			
Stage 2 Review: Calibration - ICAL? $R^2 \geq 0.99$.			
Stage 2 Review: Calibration - ICB / CCB [$<DL$]	.			
Stage 2 Review: Calibration - ICV? [90-110%R or 10%D]	.			
Stage 2 Review: Calibration - CCV? [90-110%R or 10%D]	.			
Stage 2 Review: Low/High Level Standard [80-120%R]	.			
Stage 2 Review: ICSA [80-120%R or ABS value<LOD]	.			
Stage 2 Review: ICSAB [80-120%R or ABS value<LOD]	.			
Stage 2 Review: Blank - Method blank? [$<DL$]	.			
Stage 2 Review: Blank - Equipment blank? [$<DL$]	.			
Stage 2 Review: Precision/Accuracy - MS/MSD? [20 RPD 81-112%R Soil 86-113% EB]	.			Nonsdg MS/MSD; evaluate RPD only.
Stage 2 Review: Precision/Accuracy - Post Digestion Spike? [80-120%R]	.		.	Nonsdg used as parent.
Stage 2 Review: Precision/Accuracy - Serial Dilution? [90-110%R or 10%D]	.		.	Nonsdg used as parent.
Stage 2 Review: Precision/Accuracy - LCS/LCSD? [20 RPD 81-112%R Soil 86-113% EB]	.			Single LCS.
Stage 2 Review: Quantitation - PQLs? [225 mg/kg (ROD Range); LOD 0.2 LOQ 1.0 mg/kg]	.			DL 0.1, LOD is 0.4; LOQ is 2 mg/kg (note - all samples and QC samples analyzed at 5X dilution; all samples were reported > LOQ)
Stage 2 Review: Quantitation - Dilution Factor?	.			
Stage 2 Review: Quantitation - Results (i.e. correct analytes)?	.			
Stage 2 Review: Field Duplicates - RPD within limits? [RPD \leq 40]	.			Field duplicate pair samples 13 / 14

Fort Ord_Basewide Range Assessment Spring 2016

Field Duplicate Report By SDG

BRA with KEMRON

Units 1,2,3,7,10,33,WGBASampWP

Field Duplicates for SDG: FA32237



Location **Analysis**
10-19 SW6010C

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
10-19SC0000 / 10-19SC0000Q	FA32237-13 / FA32237-14	Lead	8.00	10.0	2.00	22.2	40	NA	OK

FD = Field Duplicate
RL = Reporting Limit
RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil

AUTOMATED DATA REVIEW SUMMARY for FA32107

Facility: Fort Ord

Guidance Document: Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California, January 2016

Contract Laboratory: Accutest Laboratories, Orlando, FL

Field Contractor:

Data Review Contractor:

SDG: FA32107, Certified - 4/26/2016 by rweekly

QC Level: S2BVEM

Project Manager: Erin Caruso

Data Reviewer: Peggy Cota

Data Reviewer Title: Project Chemist

Date of Review Report: May 16, 2016

Second Reviewer:

Completion Date of Second Reviewer:

Samples Included in SDG FA32107

Analytical Method/ Leach Method	Normal Soil Samples	Normal Water Samples	Field QC Soil Samples	Field QC Water Samples
SW6010C/NONE	8	0	1	1

AUTOMATED DATA REVIEW SUMMARY for FA32107

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by ; analyses were performed by Accutest Laboratories, Orlando, FL and were reported under sample delivery group (SDG) . Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- Equipment Blank
- Field Duplicate
- Lab Replicate RPD
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Surrogate
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Field Blank
- Initial Calibration Curve
- Initial Calibration Verification
- Instrument performance
- Internal Standards
- Material Blank
- Negative Blank
- Trip Blank
- ICP Metal QC: Serial Dilution, Post Digestion Spike and Interference Check Sample

AUTOMATED DATA REVIEW SUMMARY for FA32107

A minimum of ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 2 results (20.00%) out of the 10 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

HA YW Ujb`cZW glcXmf7 C7 Ek Ug`bchjg][bYX`VmiH Y`UVcfUrcfmZf`H YfYWW]dhcZH Y`gUa d`Yg`" H Y`UVcfUrcfmdfcj]XYX`UfYj]gYX`fYdcfhk]H `Ug][bYX`UbX`XUHY`7 C7 `fc`]bX]WUHY`
H UhiH Y`gUa d`Yg`k YfYfYWW]j YX`VmiH Y`UVcfUrcfm`G]bW`H Y7 C7 `k Ug`bchjg][bYX`UhiH Y`UWi U`hja YcZfYWW]dHzH YXUHY`cb`H Y7 C7 `fYZYWW]H YXUHY`UbX`hja YH Y7 C7 `k Ug`g][bYX`
VmiH Y`UVcfUrcfm`H YXUHY`UbX`hja YH Y`gUa d`Yg`k YfYfYWW]j YX`UhiH Y`UVcfUrcfmk Ug`dfcj]XYX`cb`H Y5 WW HgHi@UVcfUrcf]Yg`Gua d`YF`YWW]dh7 cbZ]fa U]cb`Z`fa `Ug`dUfHcZH Y7 C7`
XcW a YbH]h]cb"

Peggy Cota

Released by Peggy Cota, Project Chemist

16-May-2016

Eric Middleditch

Released by Eric Middleditch

AUTOMATED DATA REVIEW SUMMARY for FA32107

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B1	The analyte was found in an associated method blank.
B2	Calibration Blank
B3	Calibration Blank - Negative
B4	Negative Blank
B5	The analyte was found in an associated blank as well as in the sample.
C10	Continuing Calibration Verification RRF
C11	Continuing Calibration Verification percent recovery, percent difference, or percent drift
C12	Low Level Continuing Calibration Verification was outside control limits
D1	Lab Replicate RPD
D2	MS RPD exceeded established criteria.
D4	No precision available
D5	Field duplicate precision
D6	RPD of laboratory control sample exceeded criteria
D7	Field Duplicate not usable
E	Exceeds LinearCalibration Range
F	Hydrocarbon pattern does not match standard
G	Initial Calibration RRF
G1	Initial Calibration RSD
G2	Initial Calibration Verification percent recovery, percent difference, or percent drift
G3	r2 values < 0.990 in the ICAL
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
G5	Initial Calibration out for metals/inorganics
H1	Test Hold Time
H2	Prep Hold Time

AUTOMATED DATA REVIEW SUMMARY for FA32107

Reason and Comment Code Definitions

Reasons	
Code	Definition
I	Internal standard
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
K1	Detected in the associated equipment rinsate blank.
K2	Detected in the associated field (i.e., ambient) blank.
K3	Detected in the associated trip blank.
K4	Detected in the associated storage blank
K5	Detected in the associated source blank
L	Percent recovery of laboratory control sample recovery was outside established limits
L1	A common laboratory artifact was detected in the sample at a concentration less than 10X the concentration detected in the associated method blank. (Negative)
M	Matrix spike recovery was outside established criteria.
M1	Minimum matrix spike frequency was not attained
N	Blank - No Action
O	Interference check sample
P	Sample preservation/collection requirement not met.
P1	Column or detector RPD
P2	Improper preparation/extraction
Q1	Material Blank
S	Surrogate recovery out of criteria (upper or lower limit)
S1	Sample less than 50% solids
T	Receipt Temperature
T2	RSD of lab triplicate out
TI	Tentatively Identified Compound
TR	Trace Level Detect
V	Sample Receipt Condition
W	Column breakdown (pesticides)

AUTOMATED DATA REVIEW SUMMARY for FA32107

Reason and Comment Code Definitions

Reasons	
Code	Definition
X	Raised reporting limit
X1	Unresolved Isomers; no peak separation
X2	Qualified due to professional judgment, see data validation narrative.
Y	Analyte not confirmed on second column
Y1	False Positive
Y2	Sum of species greater than total result
Z	Data rejected due to radiological anomalies
Z1	Data rejected, more valid data available

Flag Code and Definitions

Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for FA32107

Batch Report

Test Method: SW6010C; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
MA13033	MP30113	NA	FIELDQC	WQ	07-ER11SC	FA32107-28	MA13033	1/1	07-Mar-2016 4:10 PM	15-Mar-2016 8:36 AM	15-Mar-2016 12:42 PM	EB
	MP30113	NA	LABQC	WQ	LABQC	MP30113-B1	MA13033	1/1	15-Mar-2016 8:36 AM	15-Mar-2016 8:36 AM	15-Mar-2016 11:45 AM	BS
	MP30113	NA	LABQC	WQ	LABQC	MP30113-MB1	MA13033	1/1	15-Mar-2016 8:36 AM	15-Mar-2016 8:36 AM	15-Mar-2016 11:41 AM	LB
MA13104	MP30263	NA	07-01	SO	07-01SC0000	FA32107-1	MA13104	1/5	07-Mar-2016 9:10 AM	21-Apr-2016 8:30 AM	21-Apr-2016 5:08 PM	N
	MP30263	NA	07-02	SO	07-02SC0000	FA32107-7	MA13104	1/5	07-Mar-2016 12:50 PM	21-Apr-2016 8:30 AM	21-Apr-2016 5:17 PM	N
	MP30263	NA	07-12	SO	07-12SC0000	FA32107-4	MA13104	1/5	07-Mar-2016 10:15 AM	21-Apr-2016 8:30 AM	21-Apr-2016 5:12 PM	N
	MP30263	NA	07-13	SO	07-13SC0000	FA32107-10	MA13104	1/5	07-Mar-2016 2:35 PM	21-Apr-2016 8:30 AM	21-Apr-2016 5:21 PM	N
	MP30263	NA	07-14	SO	07-14SC0000	FA32107-13	MA13104	1/5	07-Mar-2016 9:16 AM	21-Apr-2016 8:30 AM	21-Apr-2016 5:25 PM	N
	MP30263	NA	LABQC	SQ	LABQC	MP30263-B1	MA13104	1/5	21-Apr-2016 8:30 AM	21-Apr-2016 8:30 AM	21-Apr-2016 3:32 PM	BS
	MP30263	NA	LABQC	SQ	LABQC	MP30263-MB1	MA13104	1/5	21-Apr-2016 8:30 AM	21-Apr-2016 8:30 AM	21-Apr-2016 3:27 PM	LB
MA13106	MP30269	NA	07-03	SO	07-03SC0000	MP30269-D1	MA13106	1/5	07-Mar-2016 10:03 AM	22-Apr-2016 9:32 AM	22-Apr-2016 2:20 PM	LR
	MP30269	NA	07-03	SO	07-03SC0000	MP30269-S1	MA13106	1/5	07-Mar-2016 10:03 AM	22-Apr-2016 9:32 AM	22-Apr-2016 2:38 PM	MS
	MP30269	NA	07-03	SO	07-03SC0000	FA32107-16	MA13106	1/5	07-Mar-2016 10:03 AM	22-Apr-2016 9:32 AM	22-Apr-2016 2:08 PM	N
	MP30269	NA	07-03	SO	07-03SC0000	MP30269-S2	MA13106	1/5	07-Mar-2016 10:03 AM	22-Apr-2016 9:32 AM	22-Apr-2016 2:42 PM	SD
	MP30269	NA	07-06	SO	07-06SC0000	FA32107-19	MA13106	1/5	07-Mar-2016 2:10 PM	22-Apr-2016 9:32 AM	22-Apr-2016 2:46 PM	N
	MP30269	NA	07-20	SO	07-20SC0000	FA32107-22	MA13106	1/5	07-Mar-2016 2:50 PM	22-Apr-2016 9:32 AM	22-Apr-2016 2:59 PM	N
	MP30269	NA	07-20	SO	07-20SC0000Q	FA32107-23	MA13106	1/5	07-Mar-2016 2:50 PM	22-Apr-2016 9:32 AM	22-Apr-2016 3:04 PM	FD
	MP30269	NA	LABQC	SQ	LABQC	MP30269-B1	MA13106	1/5	22-Apr-2016 9:32 AM	22-Apr-2016 9:32 AM	22-Apr-2016 2:04 PM	BS
	MP30269	NA	LABQC	SQ	LABQC	MP30269-MB1	MA13106	1/5	22-Apr-2016 9:32 AM	22-Apr-2016 9:32 AM	22-Apr-2016 1:59 PM	LB

AUTOMATED DATA REVIEW SUMMARY for FA32107

Field Batch Report

Test Method: SW6010C		Leach Method: NONE							
EBLOT	TBLOT	ABLLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE	
07031601			FIELDQC	WQ	07-ER11SC	FA32107-28	3/7/2016 4:10:00 PM	EB	
07031601			07-06	SO	07-06SC0000	FA32107-19	3/7/2016 2:10:00 PM	N	
07031601			07-20	SO	07-20SC0000	FA32107-22	3/7/2016 2:50:00 PM	N	
07031601			07-20	SO	07-20SC0000Q	FA32107-23	3/7/2016 2:50:00 PM	FD	

QC Outlier Report

Test/Prep	Sample ID	Run# / Dil'n	Analyte	Result	Units	Qualifier	Warning Limits	Control Li	Reason	Comme Rule	Action Level
SW6010C	07-20SC0000Q FA32107-23	1 / 5.00	Lead	120	RPD	J/UJ	< 40	<80	D5		

Qualified Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	07-20SC0000	N	Lead	1.9	126	126 J	MG/KG	D5
SW6010C/NONE	SO	07-20SC0000Q	FD	Lead	1.9	31.7	31.7 J	MG/KG	D5

AUTOMATED DATA REVIEW SUMMARY for FA32107

Detected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	07-01SC0000	N	Lead	1.9	26.1	26.1	MG/KG	
SW6010C/NONE	SO	07-02SC0000	N	Lead	1.9	10.3	10.3	MG/KG	
SW6010C/NONE	SO	07-03SC0000	N	Lead	1.9	108	108	MG/KG	
SW6010C/NONE	SO	07-06SC0000	N	Lead	2.0	73.5	73.5	MG/KG	
SW6010C/NONE	SO	07-12SC0000	N	Lead	1.9	2.4	2.4	MG/KG	
SW6010C/NONE	SO	07-13SC0000	N	Lead	2.0	62.4	62.4	MG/KG	
SW6010C/NONE	SO	07-14SC0000	N	Lead	1.9	47.0	47.0	MG/KG	
SW6010C/NONE	SO	07-20SC0000	N	Lead	1.9	126	126 J	MG/KG	D5
SW6010C/NONE	SO	07-20SC0000Q	FD	Lead	1.9	31.7	31.7 J	MG/KG	D5

AUTOMATED DATA REVIEW SUMMARY for FA32107

Rejected Results

--No Records Found--

Automated Data Review Detail Report for FA32107

Fort Ord_Basewide Range Assessment Spring 2016

Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California



Review Questions

Method:SW6010C - Soil and aqueous trip blank

Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?		•		The COC was not signed by the lab for the receipt of the samples. A revised lab report with the signed COC was requested and received from the laboratory. See Narrative Comments.
Stage 2 Review: COC - Temperature/Condition?	•			
Stage 2 Review: COC - Receipt anomalies?	•			
Stage 2 Review: COC - Sample/Methods checked?	•			
Stage 2 Review: Case Narrative - Anomalies?	•			MS/MSD for sample FA32107-16 out due to spike amount low relative to the sample amount.
Stage 2 Review: Samples - Collection date?	•			3/7/2016
Stage 2 Review: Samples - Extraction date?	•			Soil 4/21,21/16 EB 3/15/16
Stage 2 Review: Samples - Analysis date?	•			Soil 4/21,21/16 EB 3/15/16
Stage 2 Review: Samples - Holding time? [180 days]	•			
Stage 2 Review: Samples - Batching?	•			Soil MP30263 / MA13104; MP30269 / MA13106 EB MP30113 / MA13033
Stage 2 Review: Samples - Lab qualifiers?	•			
Stage 2 Review: Calibration - ICAL? $R^2 \geq 0.99$	•			
Stage 2 Review: Calibration - ICB / CCB [<DL]	•			
Stage 2 Review: Calibration - ICV? [90-110%R or 10%D]	•			
Stage 2 Review: Calibration - CCV? [90-110%R or 10%D]	•			
Stage 2 Review: Low/High Level Standard [80-120%R]	•			
Stage 2 Review: ICSA [80-120%R or ABS value<LOD]	•			
Stage 2 Review: ICSAB [80-120%R or ABS value<LOD]	•			
Stage 2 Review: Blank - Method blank? [<DL]	•			
Stage 2 Review: Blank - Equipment blank? [<DL]	•			
Stage 2 Review: Precision/Accuracy - MS/MSD? [20 RPD 81-112%R Soil 86-113% EB]	•			Batch MP30263 non-sdg: evaluate RPD only. Batch MP30269 Sample 07-03SC0000 (FA32107-16) used for MS/MSD and post digestion spike. %Rs out due to lead present in parent at a level 4X the spike amount - no qualifiers are required.
Stage 2 Review: Precision/Accuracy - Post Digestion Spike? [80-120%R]	•			See MS/MSD above.
Stage 2 Review: Precision/Accuracy - Serial Dilution? [90-110%R or 10%D]	•			Sample 07-03SC0000 (FA32107-16) used for serial dilution.
Stage 2 Review: Precision/Accuracy - LCS/LCSD? [20 RPD 81-112%R Soil 86-113% EB]	•			
Stage 2 Review: Quantitation - PQLs? [225 mg/kg (ROD Range); LOD 0.2 LOQ 1.0 mg/kg]	•			DL 0.1, LOD is 0.4; LOQ is 2 mg/kg (note - all samples and QC samples analyzed at 5X dilution; all samples were reported > LOQ)
Stage 2 Review: Quantitation - Dilution Factor?	•			
Stage 2 Review: Quantitation - Results (i.e. correct analytes)?	•			
Stage 2 Review: Field Duplicates - RPD within limits? [RPD≤40]		•		RPD out for field duplicate pair. See QC Outlier Report.

Fort Ord_Basewide Range Assessment Spring 2016

Field Duplicate Report By SDG

BRA with KEMRON

Units 1,2,3,7,10,33,WGBASampWP

Field Duplicates for SDG: FA32107



Location **Analysis**
07-20 SW6010C

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
07-20SC0000 / 07-20SC0000Q	FA32107-22 / FA32107-23	Lead	126	31.7	1.90	120	40	Out	NA

FD = Field Duplicate
RL = Reporting Limit
RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil



Qualified Results Table

Lab Sample ID	Sample ID	Sample Collection Date	Type	Method	Parameter	Original Value	Qualifier	New Value	Bias	MDL	RL	Units	Reason
FA32107-22	07-20SC0000	3/7/2016	SO-N	SW6010C	Lead	126	J	126 J		0.097	1.9	MG/KG	D5
FA32107-23	07-20SC0000Q	3/7/2016	SO-FD	SW6010C	Lead	31.7	J	31.7 J		0.096	1.9	MG/KG	D5

Matrix / Sample Type

Matrix	Matrix Description	Sample Code	Sample Code Description
SO	SOIL	FD	Field Duplicate
SO	SOIL	N	Normal

Data Qualifier Definitions

Flag	Description
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.

Reason and Comment Code Definitions

Code	Description
D5	Field duplicate precision

AUTOMATED DATA REVIEW SUMMARY for FA32106

Facility: Fort Ord

Guidance Document: Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California, January 2016

Contract Laboratory: Accutest Laboratories, Orlando, FL

Field Contractor:

Data Review Contractor:

SDG: FA32106, Certified - 4/26/2016 by rweekly

QC Level: S2BVEM

Project Manager: Erin Caruso

Data Reviewer: Peggy Cota

Data Reviewer Title: Project Chemist

Date of Review Report: May 12, 2016

Second Reviewer: Eric Middleditch

Completion Date of Second Reviewer:

Samples Included in SDG FA32106

Analytical Method/ Leach Method	Normal Soil Samples	Normal Water Samples	Field QC Soil Samples	Field QC Water Samples
SW6010C/NONE	4	0	0	1

AUTOMATED DATA REVIEW SUMMARY for FA32106

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by ; analyses were performed by Accutest Laboratories, Orlando, FL and were reported under sample delivery group (SDG) . Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- Equipment Blank
- Field Duplicate
- Lab Replicate RPD
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Surrogate
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Field Blank
- Initial Calibration Curve
- Initial Calibration Verification
- Instrument performance
- Internal Standards
- Material Blank
- Negative Blank
- Trip Blank
- ICP Metal QC: Serial Dilution, Post Digestion Spike and Interference Check Sample

AUTOMATED DATA REVIEW SUMMARY for FA32106

A minimum of ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 0 results (0.00%) out of the 5 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

None.

Peggy Cota

Released by Peggy Cota, Project Chemist

12-May-2016

Eric Middleditch

Released by Eric Middleditch

AUTOMATED DATA REVIEW SUMMARY for FA32106

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B1	The analyte was found in an associated method blank.
B2	Calibration Blank
B3	Calibration Blank - Negative
B4	Negative Blank
B5	The analyte was found in an associated blank as well as in the sample.
C10	Continuing Calibration Verification RRF
C11	Continuing Calibration Verification percent recovery, percent difference, or percent drift
C12	Low Level Continuing Calibration Verification was outside control limits
D1	Lab Replicate RPD
D2	MS RPD exceeded established criteria.
D4	No precision available
D5	Field duplicate precision
D6	RPD of laboratory control sample exceeded criteria
D7	Field Duplicate not usable
E	Exceeds LinearCalibration Range
F	Hydrocarbon pattern does not match standard
G	Initial Calibration RRF
G1	Initial Calibration RSD
G2	Initial Calibration Verification percent recovery, percent difference, or percent drift
G3	r2 values < 0.990 in the ICAL
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
G5	Initial Calibration out for metals/inorganics
H1	Test Hold Time
H2	Prep Hold Time

AUTOMATED DATA REVIEW SUMMARY for FA32106

Reason and Comment Code Definitions

Reasons	
Code	Definition
I	Internal standard
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
K1	Detected in the associated equipment rinsate blank.
K2	Detected in the associated field (i.e., ambient) blank.
K3	Detected in the associated trip blank.
K4	Detected in the associated storage blank
K5	Detected in the associated source blank
L	Percent recovery of laboratory control sample recovery was outside established limits
L1	A common laboratory artifact was detected in the sample at a concentration less than 10X the concentration detected in the associated method blank. (Negative)
M	Matrix spike recovery was outside established criteria.
M1	Minimum matrix spike frequency was not attained
N	Blank - No Action
O	Interference check sample
P	Sample preservation/collection requirement not met.
P1	Column or detector RPD
P2	Improper preparation/extraction
Q1	Material Blank
S	Surrogate recovery out of criteria (upper or lower limit)
S1	Sample less than 50% solids
T	Receipt Temperature
T2	RSD of lab triplicate out
TI	Tentatively Identified Compound
TR	Trace Level Detect
V	Sample Receipt Condition
W	Column breakdown (pesticides)

AUTOMATED DATA REVIEW SUMMARY for FA32106

Reason and Comment Code Definitions

Reasons	
Code	Definition
X	Raised reporting limit
X1	Unresolved Isomers; no peak separation
X2	Qualified due to professional judgment, see data validation narrative.
Y	Analyte not confirmed on second column
Y1	False Positive
Y2	Sum of species greater than total result
Z	Data rejected due to radiological anomalies
Z1	Data rejected, more valid data available

Flag Code and Definitions

Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for FA32106

Batch Report

Test Method: SW6010C; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
MA13028	MP30097	NA	FIELDQC	WQ	07-ER12SC	FA32106-13	MA13028	1/1	08-Mar-2016 2:30 PM	11-Mar-2016 8:42 AM	11-Mar-2016 3:53 PM	EB
	MP30097	NA	LABQC	WQ	LABQC	MP30097-B1	MA13028	1/1	11-Mar-2016 8:42 AM	11-Mar-2016 8:42 AM	11-Mar-2016 1:45 PM	BS
	MP30097	NA	LABQC	WQ	LABQC	MP30097-MB1	MA13028	1/1	11-Mar-2016 8:42 AM	11-Mar-2016 8:42 AM	11-Mar-2016 1:40 PM	LB
MA13104	MP30263	NA	07-07	SO	07-07SC0000	FA32106-7	MA13104	1/5	08-Mar-2016 11:52 AM	21-Apr-2016 8:30 AM	21-Apr-2016 4:59 PM	N
	MP30263	NA	07-09	SO	07-09SC0000	FA32106-4	MA13104	1/5	08-Mar-2016 10:16 AM	21-Apr-2016 8:30 AM	21-Apr-2016 4:55 PM	N
	MP30263	NA	07-10	SO	07-10SC0000	FA32106-1	MA13104	1/5	08-Mar-2016 9:39 AM	21-Apr-2016 8:30 AM	21-Apr-2016 4:42 PM	N
	MP30263	NA	07-15	SO	07-15SC0000	FA32106-10	MA13104	1/5	08-Mar-2016 12:36 PM	21-Apr-2016 8:30 AM	21-Apr-2016 5:04 PM	N
	MP30263	NA	LABQC	SQ	LABQC	MP30263-B1	MA13104	1/5	21-Apr-2016 8:30 AM	21-Apr-2016 8:30 AM	21-Apr-2016 3:32 PM	BS
	MP30263	NA	LABQC	SQ	LABQC	MP30263-MB1	MA13104	1/5	21-Apr-2016 8:30 AM	21-Apr-2016 8:30 AM	21-Apr-2016 3:27 PM	LB

AUTOMATED DATA REVIEW SUMMARY for FA32106

Field Batch Report

Test Method: SW6010C		Leach Method: NONE						
EBLOT	TBLOT	ABLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
08031601			FIELDQC	WQ	07-ER12SC	FA32106-13	3/8/2016 2:30:00 PM	EB
08031601			07-07	SO	07-07SC0000	FA32106-7	3/8/2016 11:52:00 AM	N
08031601			07-15	SO	07-15SC0000	FA32106-10	3/8/2016 12:36:00 PM	N

QC Outlier Report

--No Records Found--

Qualified Results

--No Records Found--

Detected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	07-07SC0000	N	Lead	2.0	9.3	9.3	MG/KG	
SW6010C/NONE	SO	07-09SC0000	N	Lead	2.0	10.4	10.4	MG/KG	
SW6010C/NONE	SO	07-10SC0000	N	Lead	1.9	8.2	8.2	MG/KG	
SW6010C/NONE	SO	07-15SC0000	N	Lead	1.9	30.7	30.7	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for FA32106

Rejected Results

--No Records Found--

Anomalies Count

--No Records Found--

Automated Data Review Detail Report for FA32106

Fort Ord Basewide Range Assessment Spring 2016

Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California



Review Questions

Method:SW6010C - Soil and aqueous EB.				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	•			
Stage 2 Review: COC - Temperature/Condition?	•			
Stage 2 Review: COC - Receipt anomalies?	•			
Stage 2 Review: COC - Sample/Methods checked?	•			
Stage 2 Review: Case Narrative - Anomalies?	•			
Stage 2 Review: Samples - Collection date?	•			3/8/2016
Stage 2 Review: Samples - Extraction date?	•			Soil 4/21/16 / EB3/11/16
Stage 2 Review: Samples - Analysis date?	•			Soil 4/21/16 / EB3/11/16
Stage 2 Review: Samples - Holding time? [180 days]	•			
Stage 2 Review: Samples - Batching?	•			Soil MP30263 / MA13104 EB MP30097 /MA13028
Stage 2 Review: Samples - Lab qualifiers?	•			
Stage 2 Review: Calibration - ICAL? $R^2 \geq 0.99$	•			
Stage 2 Review: Calibration - ICB / CCB [$<DL$]	•			
Stage 2 Review: Calibration - ICV? [90-110%R or 10%D]	•			
Stage 2 Review: Calibration - CCV? [90-110%R or 10%D]	•			
Stage 2 Review: Low/High Level Standard [80-120%R]	•			
Stage 2 Review: ICESA [80-120%R or ABS value<LOD]	•			
Stage 2 Review: ICESAB [80-120%R or ABS value<LOD]	•			
Stage 2 Review: Blank - Method blank? [$<DL$]	•			
Stage 2 Review: Blank - Equipment blank? [$<DL$]	•			
Stage 2 Review: Precision/Accuracy - MS/MSD? [20 RPD 81-112%R Soil 86-113% EB]	•			Nonsdg MS/MSD; evaluated RPD only
Stage 2 Review: Precision/Accuracy - Post Digestion Spike? [80-120%R]			•	Nonsdg post digestion spike.
Stage 2 Review: Precision/Accuracy - Serial Dilution? [90-110%R or 10%D]			•	Nonsdg serial dilution.
Stage 2 Review: Precision/Accuracy - LCS/LCSD? [20 RPD 81-112%R Soil 86-113% EB]	•			
Stage 2 Review: Quantitation - PQLs? [225 mg/kg (ROD Range); LOD 0.2 LOQ 1.0 mg/kg]	•			DL 0.1, LOD is 0.4; LOQ is 2 mg/kg (note - all samples and QC samples analyzed at 5X dilution; all samples were reported > LOQ)
Stage 2 Review: Quantitation - Dilution Factor?	•			
Stage 2 Review: Quantitation - Results (i.e. correct analytes)?	•			
Stage 2 Review: Field Duplicates - RPD within limits? [RPD \leq 40]			•	

AUTOMATED DATA REVIEW SUMMARY for FA31998

Facility: Fort Ord

Guidance Document: I b]hg'%'&Z' ž+Z%'\$Z' ' žK ; 6 5 'GUa d`]b['K cf_ 'D`Ub': cfa Yf': cfhCfXž7 U]z:fb]Už>Ubi Ufmi&\$%

Contract Laboratory: Accutest Laboratories, Orlando, FL

Field Contractor:

Data Review Contractor:

SDG: FA31998, Certified - 4/26/2016 by rweekly

QC Level: S2BVEM

Project Manager: Erin Caruso

Data Reviewer: Peggy Cota

Data Reviewer Title: Project Chemist

Date of Review Report: May 12, 2016

Second Reviewer: Eric Middleditch

Completion Date of Second Reviewer:

Samples Included in SDG FA31998

Analytical Method/ Leach Method	Normal Soil Samples	Normal Water Samples	Field QC Soil Samples	Field QC Water Samples
SW6010C/NONE	7	0	2	1

AUTOMATED DATA REVIEW SUMMARY for FA31998

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by ; analyses were performed by Accutest Laboratories, Orlando, FL and were reported under sample delivery group (SDG) . Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- Equipment Blank
- Field Duplicate
- Lab Replicate RPD
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Surrogate
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Field Blank
- Initial Calibration Curve
- Initial Calibration Verification
- Instrument performance
- Internal Standards
- Material Blank
- Negative Blank
- Trip Blank
- ICP Metal QC: Serial Dilution, Post Digestion Spike and Interference Check Sample

AUTOMATED DATA REVIEW SUMMARY for FA31998

A minimum of ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 0 results (0.00%) out of the 10 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

None.

Peggy Cota

Released by Peggy Cota, Project Chemist

Eric Middleditch

Released by Eric Middleditch

12-May-2016

AUTOMATED DATA REVIEW SUMMARY for FA31998

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B1	The analyte was found in an associated method blank.
B2	Calibration Blank
B3	Calibration Blank - Negative
B4	Negative Blank
B5	The analyte was found in an associated blank as well as in the sample.
C10	Continuing Calibration Verification RRF
C11	Continuing Calibration Verification percent recovery, percent difference, or percent drift
C12	Low Level Continuing Calibration Verification was outside control limits
D1	Lab Replicate RPD
D2	MS RPD exceeded established criteria.
D4	No precision available
D5	Field duplicate precision
D6	RPD of laboratory control sample exceeded criteria
D7	Field Duplicate not usable
E	Exceeds LinearCalibration Range
F	Hydrocarbon pattern does not match standard
G	Initial Calibration RRF
G1	Initial Calibration RSD
G2	Initial Calibration Verification percent recovery, percent difference, or percent drift
G3	r2 values < 0.990 in the ICAL
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
G5	Initial Calibration out for metals/inorganics
H1	Test Hold Time
H2	Prep Hold Time

AUTOMATED DATA REVIEW SUMMARY for FA31998

Reason and Comment Code Definitions

Reasons	
Code	Definition
I	Internal standard
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
K1	Detected in the associated equipment rinsate blank.
K2	Detected in the associated field (i.e., ambient) blank.
K3	Detected in the associated trip blank.
K4	Detected in the associated storage blank
K5	Detected in the associated source blank
L	Percent recovery of laboratory control sample recovery was outside established limits
L1	A common laboratory artifact was detected in the sample at a concentration less than 10X the concentration detected in the associated method blank. (Negative)
M	Matrix spike recovery was outside established criteria.
M1	Minimum matrix spike frequency was not attained
N	Blank - No Action
O	Interference check sample
P	Sample preservation/collection requirement not met.
P1	Column or detector RPD
P2	Improper preparation/extraction
Q1	Material Blank
S	Surrogate recovery out of criteria (upper or lower limit)
S1	Sample less than 50% solids
T	Receipt Temperature
T2	RSD of lab triplicate out
TI	Tentatively Identified Compound
TR	Trace Level Detect
V	Sample Receipt Condition
W	Column breakdown (pesticides)

AUTOMATED DATA REVIEW SUMMARY for FA31998

Reason and Comment Code Definitions

Reasons	
Code	Definition
X	Raised reporting limit
X1	Unresolved Isomers; no peak separation
X2	Qualified due to professional judgment, see data validation narrative.
Y	Analyte not confirmed on second column
Y1	False Positive
Y2	Sum of species greater than total result
Z	Data rejected due to radiological anomalies
Z1	Data rejected, more valid data available

Flag Code and Definitions

Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for FA31998

Batch Report

Test Method: SW6010C; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
MA13028	MP30097	NA	FIELDQC	WQ	03-ER10SC	FA31998-10	MA13028	1/1	03-Mar-2016 10:51 AM	11-Mar-2016 8:42 AM	11-Mar-2016 3:44 PM	EB
	MP30097	NA	LABQC	WQ	LABQC	MP30097-B1	MA13028	1/1	11-Mar-2016 8:42 AM	11-Mar-2016 8:42 AM	11-Mar-2016 1:45 PM	BS
	MP30097	NA	LABQC	WQ	LABQC	MP30097-MB1	MA13028	1/1	11-Mar-2016 8:42 AM	11-Mar-2016 8:42 AM	11-Mar-2016 1:40 PM	LB
MA13104	MP30263	NA	02-28	SO	02-28SC0000	FA31998-20	MA13104	1/5	03-Mar-2016 9:05 AM	21-Apr-2016 8:30 AM	21-Apr-2016 4:29 PM	N
	MP30263	NA	02-29	SO	02-29SC0000	FA31998-14	MA13104	1/5	03-Mar-2016 8:20 AM	21-Apr-2016 8:30 AM	21-Apr-2016 4:20 PM	N
	MP30263	NA	02-29	SO	02-29SC0000Q	FA31998-15	MA13104	1/5	03-Mar-2016 8:20 AM	21-Apr-2016 8:30 AM	21-Apr-2016 4:25 PM	FD
	MP30263	NA	03-01	SO	03-01SC0000	FA31998-4	MA13104	1/5	03-Mar-2016 10:22 AM	21-Apr-2016 8:30 AM	21-Apr-2016 4:07 PM	N
	MP30263	NA	03-01	SO	03-01SC0000Q	FA31998-5	MA13104	1/5	03-Mar-2016 10:22 AM	21-Apr-2016 8:30 AM	21-Apr-2016 4:11 PM	FD
	MP30263	NA	03-02	SO	03-02SC0000	FA31998-11	MA13104	1/5	03-Mar-2016 11:25 AM	21-Apr-2016 8:30 AM	21-Apr-2016 4:16 PM	N
	MP30263	NA	03-03	SO	03-03SC0000	FA31998-26	MA13104	1/5	03-Mar-2016 11:00 AM	21-Apr-2016 8:30 AM	21-Apr-2016 4:38 PM	N
	MP30263	NA	03-04	SO	03-04SC0000	FA31998-23	MA13104	1/5	03-Mar-2016 10:20 AM	21-Apr-2016 8:30 AM	21-Apr-2016 4:33 PM	N
	MP30263	NA	03-06	SO	03-06SC0000	MP30263-D1	MA13104	1/5	03-Mar-2016 9:25 AM	21-Apr-2016 8:30 AM	21-Apr-2016 3:40 PM	LR
	MP30263	NA	03-06	SO	03-06SC0000	FA31998-1	MA13104	1/5	03-Mar-2016 9:25 AM	21-Apr-2016 8:30 AM	21-Apr-2016 3:36 PM	N
	MP30263	NA	LABQC	SQ	LABQC	MP30263-B1	MA13104	1/5	21-Apr-2016 8:30 AM	21-Apr-2016 8:30 AM	21-Apr-2016 3:32 PM	BS
	MP30263	NA	LABQC	SQ	LABQC	MP30263-MB1	MA13104	1/5	21-Apr-2016 8:30 AM	21-Apr-2016 8:30 AM	21-Apr-2016 3:27 PM	LB

AUTOMATED DATA REVIEW SUMMARY for FA31998

Field Batch Report

Test Method: SW6010C		Leach Method: NONE						
EBLOT	TBLOT	ABLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
03031601			FIELDQC	WQ	03-ER10SC	FA31998-10	3/3/2016 10:51:00 AM	EB
03031601			03-01	SO	03-01SC0000	FA31998-4	3/3/2016 10:22:00 AM	N
03031601			03-02	SO	03-02SC0000	FA31998-11	3/3/2016 11:25:00 AM	N

QC Outlier Report

--No Records Found--

Qualified Results

--No Records Found--

Detected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	02-28SC0000	N	Lead	1.9	39.7	39.7	MG/KG	
SW6010C/NONE	SO	02-29SC0000	N	Lead	2.0	18.9	18.9	MG/KG	
SW6010C/NONE	SO	02-29SC0000Q	FD	Lead	1.9	5.6	5.6	MG/KG	
SW6010C/NONE	SO	03-01SC0000	N	Lead	1.9	17.2	17.2	MG/KG	
SW6010C/NONE	SO	03-01SC0000Q	FD	Lead	1.9	21.7	21.7	MG/KG	
SW6010C/NONE	SO	03-02SC0000	N	Lead	2.0	5.3	5.3	MG/KG	
SW6010C/NONE	SO	03-03SC0000	N	Lead	1.9	3.1	3.1	MG/KG	
SW6010C/NONE	SO	03-04SC0000	N	Lead	2.0	61.2	61.2	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for FA31998

Detected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	03-06SC0000	N	Lead	1.9	116	116	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for FA31998

Rejected Results

--No Records Found--

Anomalies Count

--No Records Found--

Automated Data Review Detail Report for FA31998

Fort Ord_Basewide Range Assessment Spring 2016

Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California



Review Questions

Method:SW6010C Soil and aqueous EB				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	.			
Stage 2 Review: COC - Temperature/Condition?	.			
Stage 2 Review: COC - Receipt anomalies?	.			
Stage 2 Review: COC - Sample/Methods checked?	.			
Stage 2 Review: Case Narrative - Anomalies?	.			Post digestion spike for sample FA31998-1 out due to high level in sample relative to spike amount.
Stage 2 Review: Samples - Collection date?	.			3/3/2016
Stage 2 Review: Samples - Extraction date?	.			Soil 4/21/16; EB 3/11/16
Stage 2 Review: Samples - Analysis date?	.			Soil 4/21/16; EB 3/11/16
Stage 2 Review: Samples - Holding time? [180 days]	.			
Stage 2 Review: Samples - Batching?	.			Soil MP30263 / MA13104 MP30097 / MA13028
Stage 2 Review: Samples - Lab qualifiers?	.			
Stage 2 Review: Calibration - ICAL? $R^2 \geq 0.99$.			
Stage 2 Review: Calibration - ICV? [90-110%R or 10%D]	.			
Stage 2 Review: Calibration - CCV? [90-110%R or 10%D]	.			
Stage 2 Review: Low/High Level Standard [80-120%R]	.			
Stage 2 Review: ICSA [80-120%R or ABS value<LOD]	.			
Stage 2 Review: ICSAB [80-120%R or ABS value<LOD]	.			
Stage 2 Review: Blank - Method blank? [<DL]	.			
Stage 2 Review: Blank - Equipment blank? [<DL]	.			
Stage 2 Review: Precision/Accuracy - MS/MSD? [20 RPD 81-112%R Soil 86-113% EB]	.			Laboratory Replicate only for sample 03-06SC0000 (FA31998-1).
Stage 2 Review: Precision/Accuracy - Post Digestion Spike? [80-120%R]	.			Post digestion spike for sample 03-06SC0000 (FA31998-1). %R out due to sample result 4X greater than spike amount. No qualifiers are required.
Stage 2 Review: Precision/Accuracy - Serial Dilution? [90-110%R or 10%D]	.			Sample 03-06SC0000 (FA31998-1)
Stage 2 Review: Precision/Accuracy - LCS/LCSD? [20 RPD 81-112%R Soil 86-113% EB]	.			Single LCS only.
Stage 2 Review: Quantitation - PQLs? [225 mg/kg (ROD Range); LOD 0.2 LOQ 1.0 mg/kg]	.			DL 0.1, LOD is 0.4; LOQ is 2 mg/kg (note - all samples and QC samples analyzed at 5X dilution; all samples were reported > LOQ)
Stage 2 Review: Quantitation - Dilution Factor?	.			
Stage 2 Review: Quantitation - Results (i.e. correct analytes)?	.			
Stage 2 Review: Field Duplicates - RPD within limits? [RPD<40]	.			FD pairs FA31998-4 / 5 and FA31998-14 / 15

Fort Ord_Basewide Range Assessment Spring 2016

Field Duplicate Report By SDG

BRA with KEMRON

Units 1,2,3,7,10,33,WGBASampWP

Field Duplicates for SDG: FA31998



Location	Analysis
02-29	SW6010C

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
02-29SC0000 / 02-29SC0000Q	FA31998-14 / FA31998-15	Lead	18.9	5.60	2.00	109	40	NA	13.3

Location	Analysis
03-01	SW6010C

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
03-01SC0000 / 03-01SC0000Q	FA31998-4 / FA31998-5	Lead	17.2	21.7	1.90	23.1	40	OK	NA

FD = Field Duplicate
 RL = Reporting Limit
 RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil

AUTOMATED DATA REVIEW SUMMARY for FA31932

Facility: Fort Ord

Guidance Document: Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California, January 2016

Contract Laboratory: Accutest Laboratories, Orlando, FL

Field Contractor:

Data Review Contractor:

SDG: FA31932, Certified - 4/27/2016 by emiddleditch

QC Level:G&G J9A/G(J9A)

Project Manager: Erin Caruso

Data Reviewer: Peggy Cota

Data Reviewer Title: Project Chemist

Date of Review Report: May 15, 2016

Second Reviewer: Eric Middleditch

Completion Date of Second Reviewer:

Samples Included in SDG FA31932

Analytical Method/ Leach Method	Normal Soil Samples	Normal Water Samples	Field QC Soil Samples	Field QC Water Samples
SW6010C/NONE	8	0	0	1
SW8330B/NONE	9	0	1	1

AUTOMATED DATA REVIEW SUMMARY for FA31932

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by ; analyses were performed by Accutest Laboratories, Orlando, FL and were reported under sample delivery group (SDG) . Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- Equipment Blank
- Field Duplicate
- Lab Replicate RPD
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Surrogate
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Field Blank
- Initial Calibration Curve
- Initial Calibration Verification
- Instrument performance
- Internal Standards
- Material Blank
- Negative Blank
- Trip Blank
- ICP Metal: QC: Serial Dilution, Post Digestion Spike and Interference Check Sample
- HPLC QC: Confirmation RPD
- Verification of Initial Calibration RSD and RF (S4VEM only)
- Re-calculation of results from raw data (S4VEM only)
- Review of GC quantitation reports (S4VEM only)

AUTOMATED DATA REVIEW SUMMARY for FA31932

A minimum of ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 0 results (0.00%) out of the 42 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

A stage 2B validation, electronic and manual (S4VEM) was performed on the 8330B calibration, QC samples and project samples associated with extraction batch OP59710 and analytical batch GBB1423 as part of the S4VEM required by the QAPP on 10% of the data reported from the Fall and Spring Baseline Range Assessment sampling event. The S4VEM includes all the parameters reviewed in the Review Questions of this ADR for "Stage 2". The additional S4VEM parameters reviewed for the above samples are addressed in the Review Questions section of this ADR as "Stage 4".

Peggy Cota

Released by Peggy Cota, Project Chemist

15-May-2016

Eric Middleditch

Released by Eric Middleditch

AUTOMATED DATA REVIEW SUMMARY for FA31932

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B1	The analyte was found in an associated method blank.
B2	Calibration Blank
B3	Calibration Blank - Negative
B4	Negative Blank
B5	The analyte was found in an associated blank as well as in the sample.
C10	Continuing Calibration Verification RRF
C11	Continuing Calibration Verification percent recovery, percent difference, or percent drift
C12	Low Level Continuing Calibration Verification was outside control limits
D1	Lab Replicate RPD
D2	MS RPD exceeded established criteria.
D4	No precision available
D5	Field duplicate precision
D6	RPD of laboratory control sample exceeded criteria
D7	Field Duplicate not usable
E	Exceeds LinearCalibration Range
F	Hydrocarbon pattern does not match standard
G	Initial Calibration RRF
G1	Initial Calibration RSD
G2	Initial Calibration Verification percent recovery, percent difference, or percent drift
G3	r2 values < 0.990 in the ICAL
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
G5	Initial Calibration out for metals/inorganics
H1	Test Hold Time
H2	Prep Hold Time

AUTOMATED DATA REVIEW SUMMARY for FA31932

Reason and Comment Code Definitions

Reasons	
Code	Definition
I	Internal standard
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
K1	Detected in the associated equipment rinsate blank.
K2	Detected in the associated field (i.e., ambient) blank.
K3	Detected in the associated trip blank.
K4	Detected in the associated storage blank
K5	Detected in the associated source blank
L	Percent recovery of laboratory control sample recovery was outside established limits
L1	A common laboratory artifact was detected in the sample at a concentration less than 10X the concentration detected in the associated method blank. (Negative)
M	Matrix spike recovery was outside established criteria.
M1	Minimum matrix spike frequency was not attained
N	Blank - No Action
O	Interference check sample
P	Sample preservation/collection requirement not met.
P1	Column or detector RPD
P2	Improper preparation/extraction
Q1	Material Blank
S	Surrogate recovery out of criteria (upper or lower limit)
S1	Sample less than 50% solids
T	Receipt Temperature
T2	RSD of lab triplicate out
TI	Tentatively Identified Compound
TR	Trace Level Detect
V	Sample Receipt Condition
W	Column breakdown (pesticides)

AUTOMATED DATA REVIEW SUMMARY for FA31932

Reason and Comment Code Definitions

Reasons	
Code	Definition
X	Raised reporting limit
X1	Unresolved Isomers; no peak separation
X2	Qualified due to professional judgment, see data validation narrative.
Y	Analyte not confirmed on second column
Y1	False Positive
Y2	Sum of species greater than total result
Z	Data rejected due to radiological anomalies
Z1	Data rejected, more valid data available

Flag Code and Definitions

Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for FA31932

Batch Report

Test Method: SW6010C; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
MA13017	MP30076	NA	FIELDQC	WQ	02-ER08SC	FA31932-4	MA13017	1/1	01-Mar-2016 9:12 AM	08-Mar-2016 7:30 AM	08-Mar-2016 1:41 PM	EB
	MP30076	NA	LABQC	WQ	LABQC	MP30076-B1	MA13017	1/1	08-Mar-2016 7:30 AM	08-Mar-2016 7:30 AM	08-Mar-2016 11:56 AM	BS
	MP30076	NA	LABQC	WQ	LABQC	MP30076-MB1	MA13017	1/1	08-Mar-2016 7:30 AM	08-Mar-2016 7:30 AM	08-Mar-2016 11:52 AM	LB
MA13088	MP30234	NA	02-17	SO	02-17SC0000	FA31932-1A	MA13088	1/5	01-Mar-2016 8:20 AM	12-Apr-2016 11:04 AM	12-Apr-2016 7:10 PM	N
	MP30234	NA	07-05	SO	07-05SC0000	FA31932-14A	MA13088	1/5	01-Mar-2016 10:35 AM	12-Apr-2016 11:04 AM	12-Apr-2016 7:18 PM	N
	MP30234	NA	07-08	SO	07-08SC0000	FA31932-5A	MA13088	1/5	01-Mar-2016 10:23 AM	12-Apr-2016 11:04 AM	12-Apr-2016 7:14 PM	N
	MP30234	NA	07-17	SO	07-17SC0000	FA31932-23A	MA13088	1/5	01-Mar-2016 1:10 PM	12-Apr-2016 11:04 AM	12-Apr-2016 7:30 PM	N
	MP30234	NA	07-18	SO	07-18SC0000	FA31932-17A	MA13088	1/5	01-Mar-2016 9:45 AM	12-Apr-2016 11:04 AM	12-Apr-2016 7:22 PM	N
	MP30234	NA	07-19	SO	07-19SC0000	FA31932-20A	MA13088	1/5	01-Mar-2016 12:15 PM	12-Apr-2016 11:04 AM	12-Apr-2016 7:26 PM	N
	MP30234	NA	10-09	SO	10-09SC0000	FA31932-29A	MA13088	1/5	01-Mar-2016 3:01 PM	12-Apr-2016 11:04 AM	12-Apr-2016 7:46 PM	N
	MP30234	NA	10-24	SO	10-24SC0000	FA31932-26A	MA13088	1/5	01-Mar-2016 2:35 PM	12-Apr-2016 11:04 AM	12-Apr-2016 7:34 PM	N
	MP30234	NA	LABQC	SQ	LABQC	MP30234-B1	MA13088	1/5	12-Apr-2016 11:04 AM	12-Apr-2016 11:04 AM	12-Apr-2016 5:44 PM	BS
	MP30234	NA	LABQC	SQ	LABQC	MP30234-MB1	MA13088	1/5	12-Apr-2016 11:04 AM	12-Apr-2016 11:04 AM	12-Apr-2016 5:40 PM	LB

Test Method: SW8330B; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
GBB1423	OP59619	NA	FIELDQC	WQ	02-ER08SC	FA31932-4	GBB1412	1/1	01-Mar-2016 9:12 AM	08-Mar-2016 8:30 AM	15-Mar-2016 9:17 AM	EB
	OP59619	NA	LABQC	WQ	LABQC	OP59619-BS	GBB1412	1/1	08-Mar-2016 8:30 AM	08-Mar-2016 8:30 AM	15-Mar-2016 8:26 AM	BS
	OP59619	NA	LABQC	WQ	LABQC	OP59619-MB	GBB1412	1/1	08-Mar-2016 8:30 AM	08-Mar-2016 8:30 AM	15-Mar-2016 8:51 AM	LB
	OP59710	NA	02-17	SO	02-17SC0000	OP59710-MS	GBB1412	1/1	01-Mar-2016 8:20 AM	14-Mar-2016 4:30 PM	15-Mar-2016 2:07 PM	MS
	OP59710	NA	02-17	SO	02-17SC0000	FA31932-1	GBB1412	1/1	01-Mar-2016 8:20 AM	14-Mar-2016 4:30 PM	15-Mar-2016 1:41 PM	N
	OP59710	NA	02-17	SO	02-17SC0000	OP59710-MSD	GBB1412	1/1	01-Mar-2016 8:20 AM	14-Mar-2016 4:30 PM	15-Mar-2016 2:32 PM	SD

AUTOMATED DATA REVIEW SUMMARY for FA31932

Batch Report

Test Method: SW8330B; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
GBB1423	OP59710	NA	07-05	SO	07-05SC0000	FA31932-14	GBB1412	1/1	01-Mar-2016 10:35 AM	14-Mar-2016 4:30 PM	15-Mar-2016 4:40 PM	N
	OP59710	NA	07-08	SO	07-08SC0000	OP59710-DUP	GBB1412	1/1	01-Mar-2016 10:23 AM	14-Mar-2016 4:30 PM	15-Mar-2016 3:23 PM	LR
	OP59710	NA	07-08	SO	07-08SC0000	FA31932-5	GBB1412	1/1	01-Mar-2016 10:23 AM	14-Mar-2016 4:30 PM	15-Mar-2016 2:58 PM	N
	OP59710	NA	07-11	SO	07-11SC0000	FA31932-8	GBB1412	1/1	01-Mar-2016 12:32 PM	14-Mar-2016 4:30 PM	15-Mar-2016 12:21 PM	N
	OP59710	NA	07-11	SO	07-11SC0000Q	FA31932-9	GBB1412	1/1	01-Mar-2016 12:32 PM	14-Mar-2016 4:30 PM	15-Mar-2016 4:14 PM	FD
	OP59710	NA	LABQC	SQ	LABQC	OP59710-BS	GBB1412	1/1	14-Mar-2016 4:30 PM	14-Mar-2016 4:30 PM	15-Mar-2016 10:13 AM	BS
	OP59710	NA	LABQC	SQ	LABQC	OP59710-PT1	GBB1412	1/1	14-Mar-2016 4:30 PM	14-Mar-2016 4:30 PM	15-Mar-2016 11:30 AM	BS
	OP59710	NA	LABQC	SQ	LABQC	OP59710-MB	GBB1412	1/1	14-Mar-2016 4:30 PM	14-Mar-2016 4:30 PM	15-Mar-2016 11:55 AM	LB
GBB1424	OP59713	NA	07-17	SO	07-17SC0000	OP59713-MS	GBB1412	1/1	01-Mar-2016 1:10 PM	15-Mar-2016 4:00 PM	16-Mar-2016 10:16 PM	MS
	OP59713	NA	07-17	SO	07-17SC0000	FA31932-23	GBB1412	1/1	01-Mar-2016 1:10 PM	15-Mar-2016 4:00 PM	16-Mar-2016 9:51 PM	N
	OP59713	NA	07-17	SO	07-17SC0000	OP59713-MSD	GBB1412	1/1	01-Mar-2016 1:10 PM	15-Mar-2016 4:00 PM	16-Mar-2016 10:42 PM	SD
	OP59713	NA	07-18	SO	07-18SC0000	FA31932-17	GBB1412	1/1	01-Mar-2016 9:45 AM	15-Mar-2016 4:00 PM	16-Mar-2016 7:43 PM	N
	OP59713	NA	07-19	SO	07-19SC0000	FA31932-20	GBB1412	1/1	01-Mar-2016 12:15 PM	15-Mar-2016 4:00 PM	16-Mar-2016 8:09 PM	N
	OP59713	NA	10-09	SO	10-09SC0000	OP59713-DUP	GBB1412	1/1	01-Mar-2016 3:01 PM	15-Mar-2016 4:00 PM	16-Mar-2016 11:33 PM	LR
	OP59713	NA	10-09	SO	10-09SC0000	FA31932-29	GBB1412	1/1	01-Mar-2016 3:01 PM	15-Mar-2016 4:00 PM	16-Mar-2016 11:07 PM	N
	OP59713	NA	10-24	SO	10-24SC0000	FA31932-26	GBB1412	1/1	01-Mar-2016 2:35 PM	15-Mar-2016 4:00 PM	16-Mar-2016 8:34 PM	N
	OP59713	NA	LABQC	SQ	LABQC	OP59713-BS	GBB1412	1/1	15-Mar-2016 4:00 PM	15-Mar-2016 4:00 PM	16-Mar-2016 6:01 PM	BS
	OP59713	NA	LABQC	SQ	LABQC	OP59713-PT1	GBB1412	1/1	15-Mar-2016 4:00 PM	15-Mar-2016 4:00 PM	16-Mar-2016 6:52 PM	BS
	OP59713	NA	LABQC	SQ	LABQC	OP59713-MB	GBB1412	1/1	15-Mar-2016 4:00 PM	15-Mar-2016 4:00 PM	16-Mar-2016 7:18 PM	LB

AUTOMATED DATA REVIEW SUMMARY for FA31932

Field Batch Report

Test Method: SW6010C			Leach Method: NONE					
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EBLOT	TBLOT	ABLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
01031601			FIELDQC	WQ	02-ER08SC	FA31932-4	3/1/2016 9:12:00 AM	EB
01031601			02-17	SO	02-17SC0000	FA31932-1A	3/1/2016 8:20:00 AM	N
01031601			07-18	SO	07-18SC0000	FA31932-17A	3/1/2016 9:45:00 AM	N

Test Method: SW8330B			Leach Method: NONE					
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EBLOT	TBLOT	ABLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
01031601			02-17	SO	02-17SC0000	FA31932-1	3/1/2016 8:20:00 AM	N
01031601			02-17	SO	02-17SC0000	OP59710-MS	3/1/2016 8:20:00 AM	MS
01031601			02-17	SO	02-17SC0000	OP59710-MSD	3/1/2016 8:20:00 AM	SD
01031601			07-18	SO	07-18SC0000	FA31932-17	3/1/2016 9:45:00 AM	N
01031601			FIELDQC	WQ	02-ER08SC	FA31932-4	3/1/2016 9:12:00 AM	EB

AUTOMATED DATA REVIEW SUMMARY for FA31932

QC Outlier Report

--No Records Found--

AUTOMATED DATA REVIEW SUMMARY for FA31932

Qualified Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	07-17SC0000	N	Lead	1.9	1.8	1.8 J	MG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for FA31932

Detected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	02-17SC0000	N	Lead	2.0	9.1	9.1	MG/KG	
SW6010C/NONE	SO	07-05SC0000	N	Lead	1.9	2.7	2.7	MG/KG	
SW6010C/NONE	SO	07-08SC0000	N	Lead	2.0	5.7	5.7	MG/KG	
SW6010C/NONE	SO	07-17SC0000	N	Lead	1.9	1.8	1.8 J	MG/KG	TR
SW6010C/NONE	SO	07-18SC0000	N	Lead	1.9	16.0	16.0	MG/KG	
SW6010C/NONE	SO	07-19SC0000	N	Lead	1.9	18.7	18.7	MG/KG	
SW6010C/NONE	SO	10-09SC0000	N	Lead	1.9	2.8	2.8	MG/KG	
SW6010C/NONE	SO	10-24SC0000	N	Lead	2.0	9.4	9.4	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for FA31932

Rejected Results

--No Records Found--

Anomalies Count

--No Records Found--

Automated Data Review Detail Report for FA31932

Fort Ord_Basewide Range Assessment Spring 2016

Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California



Review Questions

Method:SW6010C: Soil and aqueous EB

Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	•			
Stage 2 Review: COC - Temperature/Condition?	•			
Stage 2 Review: COC - Receipt anomalies?	•			
Stage 2 Review: COC - Sample/Methods checked?	•			
Stage 2 Review: Case Narrative - Anomalies?	•			
Stage 2 Review: Samples - Collection date?	•			3/1/2016
Stage 2 Review: Samples - Extraction date?	•			Soil 4/12/16; EB 3/8/16
Stage 2 Review: Samples - Analysis date?	•			Soil 4/12/16; EB 3/8/16
Stage 2 Review: Samples - Holding time? [180 days]	•			
Stage 2 Review: Samples - Batching?	•			Soil MP30234 / MA13088 EB MP30076 / MA13017
Stage 2 Review: Samples - Lab qualifiers?	•			J for trace
Stage 2 Review: Calibration - ICAL? $R^2 \geq 0.99$	•			
Stage 2 Review: Calibration - CCB [absolute value <DL]	•			
Stage 2 Review: Calibration - ICV? [90-110%R or 10%D]	•			
Stage 2 Review: Calibration - CCV? [90-110%R or 10%D]	•			
Stage 2 Review: Low/High Level Standard [80-120%R]	•			
Stage 2 Review: ICSA [80-120%R or ABS value<LOD]	•			
Stage 2 Review: ICSAB [80-120%R or ABS value<LOD]	•			
Stage 2 Review: Blank - Method blank? [<DL]	•			
Stage 2 Review: Blank - Equipment blank? [<DL]	•			
Stage 2 Review: Precision/Accuracy - MS/MSD? [20 RPD 81-112%R Soil 86-113% EB]	•			Nonsdg samples used as parent - evaluate precision only. All RPDs in criteria
Stage 2 Review: Precision/Accuracy - Post Digestion Spike? [80-120%R]			•	Nonsdg samples used as parent.
Stage 2 Review: Precision/Accuracy - Serial Dilution? [90-110%R or 10%D]			•	Nonsdg samples used as parent.
Stage 2 Review: Precision/Accuracy - LCS/LCSD? [20 RPD 81-112%R Soil 86-113% EB]	•			
Stage 2 Review: Quantitation - PQLs? [225 mg/kg (ROD Range); LOD 0.2 LOQ 1.0 mg/kg]	•			DL 0.1, LOD is 0.4; LOQ is 2 mg/kg (note - all samples and QC samples analyzed at 5X dilution; all samples were reported > LOD or LOQ)
Stage 2 Review: Quantitation - Dilution Factor?	•			
Stage 2 Review: Quantitation - Results (i.e. correct analytes)?	•			
Stage 2 Review: Field Duplicates - RPD within limits? [RPD≤40]			•	

Automated Data Review Detail Report for FA31932

Fort Ord_Basewide Range Assessment Spring 2016

Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California

Review Questions

Method: SW8330: for Soil and Aqueous EB				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	.			
Stage 2 Review: COC - Temperature/Condition?	.			
Stage 2 Review: COC - Receipt anomalies?	.			
Stage 2 Review: COC - Sample/Methods checked?	.			
Stage 2 Review: Case Narrative - Anomalies?	.			
Stage 2 Review: Samples - Collection date?	.			3/1/2016
Stage 2 Review: Samples - Extraction date?	.			Soil 3/14,15 \ EB 3/8
Stage 2 Review: Samples - Analysis date?	.			Soil 3/15,16 \ EB 3/15
Stage 2 Review: Samples - Holding time? [7 day prep; 14 day analysis]	.			
Stage 2 Review: Samples - Batching?	.			Soil OP59710 / GBB1423; OP59713 / GBB1424 EB OP59619 / GBB1423
Stage 2 Review: Samples - Surrogate recoveries?[3,4-DNT 69-134%R Soil; 70-136%R EB]	.			
Stage 2 Review: Samples - Lab qualifiers?	.			
Stage 2 Review: Calibration - ICAL? [RSD≤15; r ² ≥0.99]	.			
Stage 2 Review: Calibration - ICV? [%D≤20]	.			
Stage 2 Review: Calibration - CCV? [%D≤20]	.			
Stage 2 Review: Blank - Method blank? [<DL]	.			
Stage 2 Review: Blank - Equipment blank?	.			
Stage 2 Review: Precision/Accuracy - MS/MSD? [DoD QSM 5.0 limits]	.			
Stage 2 Review: Precision/Accuracy - LCS/LCSD? [DoD QSM 5.0 limits]	.			
Stage 2 Review: Quantitation - PQLs? [See Worksheet #15 of QAPP]	.			Lab met limits for 1X analysis. Sample results were all ND; no limits were raised.
Stage 2 Review: Quantitation - Dilution Factor?	.			
Stage 2 Review: Quantitation - Results (i.e. correct analytes)?	.			
Stage 2 Review: Quantitation - Confirmation RPD≤40?	.			Sample results were all ND.
Stage 2 Review: Field Duplicates - RPD within limits?	.			samples 8/9
Stage 4 Review: Initial calibration RF RSD verification	.			Verified HMX from calibration performed on 2/12/2016
Stage 4 Review: ICV; CCV percent difference verification:	.			Verified HMX ICV and CCVs from analytical batch GBB1423 3/14/2016
Stage 4 Review: LCS; MS; surrogate re-calculations	.			Verified HMX LCS, MS and surrogate recovery in samples from extraction batch OP59710 and analytical batch GBB1423. Sample results were reported as ND at the LOD for 8330 compounds.
Stage 4 Review: Review quantitation reports ICAL, CCV. Samples and QC samples	.			Reviewed quantitation reports from analytical batch GBB1423

Fort Ord_Basewide Range Assessment Spring 2016

Field Duplicate Report By SDG

BRA with KEMRON

Units 1,2,3,7,10,33,WGBASampWP

Field Duplicates for SDG: FA31932



Location **Analysis**
07-11 SW8330B

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
07-11SC0000 / 07-11SC0000Q	FA31932-8 / FA31932-9	2,4,6-Trinitrotoluene	ND	ND	100	NA	40	NA	OK
07-11SC0000 / 07-11SC0000Q	FA31932-8 / FA31932-9	Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	ND	ND	100	NA	40	NA	OK
07-11SC0000 / 07-11SC0000Q	FA31932-8 / FA31932-9	Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	ND	ND	100	NA	40	NA	OK

FD = Field Duplicate
RL = Reporting Limit
RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil



Qualified Results Table

Lab Sample ID	Sample ID	Sample Collection Date	Type	Method	Parameter	Original Value	Qualifier	New Value	Bias	MDL	RL	Units	Reason
FA31932-23A	07-17SC0000	3/1/2016	SO-N	SW6010C	Lead	1.8	J	1.8 J		0.094	1.9	MG/KG	TR

Matrix / Sample Type

Matrix	Matrix Description	Sample Code	Sample Code Description
SO	SOIL	N	Normal

Data Qualifier Definitions

Flag	Description
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.

Reason and Comment Code Definitions

Code	Description
TR	Trace Level Detect

AUTOMATED DATA REVIEW SUMMARY for FA31931

Facility: Fort Ord

Guidance Document: Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California, January 2016

Contract Laboratory: Accutest Laboratories, Orlando, FL

Field Contractor:

Data Review Contractor:

SDG: FA31931, Certified - 4/14/2016 by nfarmer

QC Level: S2BVEM; S4VEM

Project Manager: Erin Caruso

Data Reviewer: Peggy Cota

Data Reviewer Title: Project Chemist

Date of Review Report: May 12, 2016

Second Reviewer: Eric Middleditch

Completion Date of Second Reviewer:

Samples Included in SDG FA31931

Analytical Method/ Leach Method	Normal Soil Samples	Normal Water Samples	Field QC Soil Samples	Field QC Water Samples
SW6010C/NONE	10	0	0	1

AUTOMATED DATA REVIEW SUMMARY for FA31931

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by ; analyses were performed by Accutest Laboratories, Orlando, FL and were reported under sample delivery group (SDG) . Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- Equipment Blank
- Lab Replicate RPD
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Field Blank
- Field Duplicate
- Initial Calibration Summary and Verification
- Material Blank
- Negative Blank
- Surrogate
- Trip Blank
- ICP Metal: QC: Serial Dilution, Post Digestion Spike and Interference Check Sample
- Re-calculation of results from raw data (S4BEM only)

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

AUTOMATED DATA REVIEW SUMMARY for FA31931

A minimum of ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 0 results (0.00%) out of the 11 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

A stage 2B validation, electronic and manual (S4VEM) was performed on the 6010C calibration verifications, QC samples and project samples associated with extraction batch MP30219 and analytical batch MA13082 as part of the S4VEM required by the QAPP on 10% of the data reported from the Fall and Spring Baseline Range Assessment sampling event. The S4VEM includes all the parameters reviewed in the Review Questions of this ADR for “Stage 2”. The additional S4VEM parameters reviewed for the above samples are addressed in the Review Questions section of this ADR as “Stage 4”.

Peggy Cota

Released by Peggy Cota, Project Chemist

12-May-2016

Eric Middleditch

Released by Eric Middleditch

AUTOMATED DATA REVIEW SUMMARY for FA31931

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B1	The analyte was found in an associated method blank.
B2	Calibration Blank
B3	Calibration Blank - Negative
B4	Negative Blank
B5	The analyte was found in an associated blank as well as in the sample.
C10	Continuing Calibration Verification RRF
C11	Continuing Calibration Verification percent recovery, percent difference, or percent drift
C12	Low Level Continuing Calibration Verification was outside control limits
D1	Lab Replicate RPD
D2	MS RPD exceeded established criteria.
D4	No precision available
D5	Field duplicate precision
D6	RPD of laboratory control sample exceeded criteria
D7	Field Duplicate not usable
E	Exceeds LinearCalibration Range
F	Hydrocarbon pattern does not match standard
G	Initial Calibration RRF
G1	Initial Calibration RSD
G2	Initial Calibration Verification percent recovery, percent difference, or percent drift
G3	r2 values < 0.990 in the ICAL
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
G5	Initial Calibration out for metals/inorganics
H1	Test Hold Time
H2	Prep Hold Time

AUTOMATED DATA REVIEW SUMMARY for FA31931

Reason and Comment Code Definitions

Reasons	
Code	Definition
I	Internal standard
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
K1	Detected in the associated equipment rinsate blank.
K2	Detected in the associated field (i.e., ambient) blank.
K3	Detected in the associated trip blank.
K4	Detected in the associated storage blank
K5	Detected in the associated source blank
L	Percent recovery of laboratory control sample recovery was outside established limits
L1	A common laboratory artifact was detected in the sample at a concentration less than 10X the concentration detected in the associated method blank. (Negative)
M	Matrix spike recovery was outside established criteria.
M1	Minimum matrix spike frequency was not attained
N	Blank - No Action
O	Interference check sample
P	Sample preservation/collection requirement not met.
P1	Column or detector RPD
P2	Improper preparation/extraction
Q1	Material Blank
S	Surrogate recovery out of criteria (upper or lower limit)
S1	Sample less than 50% solids
T	Receipt Temperature
T2	RSD of lab triplicate out
TI	Tentatively Identified Compound
TR	Trace Level Detect
V	Sample Receipt Condition
W	Column breakdown (pesticides)

AUTOMATED DATA REVIEW SUMMARY for FA31931

Reason and Comment Code Definitions

Reasons	
Code	Definition
X	Raised reporting limit
X1	Unresolved Isomers; no peak separation
X2	Qualified due to professional judgment, see data validation narrative.
Y	Analyte not confirmed on second column
Y1	False Positive
Y2	Sum of species greater than total result
Z	Data rejected due to radiological anomalies
Z1	Data rejected, more valid data available

Flag Code and Definitions

Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for FA31931

Batch Report

Test Method: SW6010C; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
MA13017	MP30076	NA	FIELDQC	WQ	02-ER06SC	FA31931-32	MA13017	1/1	25-Feb-2016 1:30 PM	08-Mar-2016 7:30 AM	08-Mar-2016 1:37 PM	EB
	MP30076	NA	LABQC	WQ	LABQC	MP30076-B1	MA13017	1/1	08-Mar-2016 7:30 AM	08-Mar-2016 7:30 AM	08-Mar-2016 11:56 AM	BS
	MP30076	NA	LABQC	WQ	LABQC	MP30076-MB1	MA13017	1/1	08-Mar-2016 7:30 AM	08-Mar-2016 7:30 AM	08-Mar-2016 11:52 AM	LB
MA13079	MP30214	NA	02-06	SO	02-06SC0000	FA31931-1	MA13079	1/5	25-Feb-2016 9:17 AM	06-Apr-2016 10:13 AM	06-Apr-2016 6:21 PM	N
	MP30214	NA	02-08	SO	02-08SC0000	FA31931-4	MA13079	1/5	25-Feb-2016 9:49 AM	06-Apr-2016 10:13 AM	06-Apr-2016 6:25 PM	N
	MP30214	NA	LABQC	SQ	LABQC	MP30214-B1	MA13079	1/5	06-Apr-2016 10:13 AM	06-Apr-2016 10:13 AM	06-Apr-2016 4:15 PM	BS
	MP30214	NA	LABQC	SQ	LABQC	MP30214-MB1	MA13079	1/5	06-Apr-2016 10:13 AM	06-Apr-2016 10:13 AM	06-Apr-2016 4:10 PM	LB
MA13082	MP30219	NA	02-07	SO	02-07SC0000	MP30219-D1	MA13082	1/5	25-Feb-2016 10:28 AM	07-Apr-2016 8:46 AM	07-Apr-2016 2:01 PM	LR
	MP30219	NA	02-07	SO	02-07SC0000	MP30219-S1	MA13082	1/5	25-Feb-2016 10:28 AM	07-Apr-2016 8:46 AM	07-Apr-2016 2:26 PM	MS
	MP30219	NA	02-07	SO	02-07SC0000	FA31931-7	MA13082	1/5	25-Feb-2016 10:28 AM	07-Apr-2016 8:46 AM	07-Apr-2016 1:57 PM	N
	MP30219	NA	02-07	SO	02-07SC0000	MP30219-S2	MA13082	1/5	25-Feb-2016 10:28 AM	07-Apr-2016 8:46 AM	07-Apr-2016 2:30 PM	SD
	MP30219	NA	02-26	SO	02-26SC0000	FA31931-10	MA13082	1/5	25-Feb-2016 12:34 PM	07-Apr-2016 8:46 AM	07-Apr-2016 2:34 PM	N
	MP30219	NA	02-27	SO	02-27SC0000	FA31931-13	MA13082	1/5	25-Feb-2016 1:15 PM	07-Apr-2016 8:46 AM	07-Apr-2016 2:38 PM	N
	MP30219	NA	02-34	SO	02-34SC0000	FA31931-16	MA13082	1/5	25-Feb-2016 9:05 AM	07-Apr-2016 8:46 AM	07-Apr-2016 2:42 PM	N
	MP30219	NA	02-36	SO	02-36SC0000	FA31931-26	MA13082	1/5	25-Feb-2016 11:35 AM	07-Apr-2016 8:46 AM	07-Apr-2016 3:02 PM	N
	MP30219	NA	02-37	SO	02-37SC0000	FA31931-29	MA13082	1/5	25-Feb-2016 12:18 PM	07-Apr-2016 8:46 AM	07-Apr-2016 3:06 PM	N
	MP30219	NA	02-67	SO	02-67SC0000	FA31931-23	MA13082	1/5	25-Feb-2016 10:42 AM	07-Apr-2016 8:46 AM	07-Apr-2016 2:50 PM	N
	MP30219	NA	02-68	SO	02-68SC0000	FA31931-20	MA13082	1/5	25-Feb-2016 9:55 AM	07-Apr-2016 8:46 AM	07-Apr-2016 2:46 PM	N
	MP30219	NA	LABQC	SQ	LABQC	MP30219-B1	MA13082	1/5	07-Apr-2016 8:46 AM	07-Apr-2016 8:46 AM	07-Apr-2016 1:53 PM	BS
	MP30219	NA	LABQC	SQ	LABQC	MP30219-MB1	MA13082	1/5	07-Apr-2016 8:46 AM	07-Apr-2016 8:46 AM	07-Apr-2016 1:49 PM	LB

AUTOMATED DATA REVIEW SUMMARY for FA31931

Field Batch Report

Test Method: SW6010C			Leach Method: NONE					
EBLOT	TBLOT	ABLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
25021601			FIELDQC	WQ	02-ER06SC	FA31931-32	2/25/2016 1:30:00 PM	EB
25021601			02-26	SO	02-26SC0000	FA31931-10	2/25/2016 12:34:00 PM	N
25021601			02-27	SO	02-27SC0000	FA31931-13	2/25/2016 1:15:00 PM	N

AUTOMATED DATA REVIEW SUMMARY for FA31931

QC Outlier Report

Test/Prep	QC Element	Sample ID	Run# / Dil'n	Analyte	Result	Units	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
SW6010C / SW3050B	Blank	MP30214-MB1 (LB)	1 / 5.00	Lead	0.130	MG/KG	U/None	< 0.1	< 2	B1			

AUTOMATED DATA REVIEW SUMMARY for FA31931

Qualified Results

--No Records Found--

Detected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	02-06SC0000	N	Lead	1.9	72.5	72.5	MG/KG	
SW6010C/NONE	SO	02-07SC0000	N	Lead	1.9	8.0	8.0	MG/KG	
SW6010C/NONE	SO	02-08SC0000	N	Lead	1.9	16.7	16.7	MG/KG	
SW6010C/NONE	SO	02-26SC0000	N	Lead	2.0	12.2	12.2	MG/KG	
SW6010C/NONE	SO	02-27SC0000	N	Lead	1.9	28.9	28.9	MG/KG	
SW6010C/NONE	SO	02-34SC0000	N	Lead	1.9	214	214	MG/KG	
SW6010C/NONE	SO	02-36SC0000	N	Lead	1.9	14.9	14.9	MG/KG	
SW6010C/NONE	SO	02-37SC0000	N	Lead	1.9	47.5	47.5	MG/KG	
SW6010C/NONE	SO	02-67SC0000	N	Lead	1.9	5.7	5.7	MG/KG	
SW6010C/NONE	SO	02-68SC0000	N	Lead	1.9	16.6	16.6	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for FA31931

Rejected Results

--No Records Found--

Anomalies Count

--No Records Found--

**Automated Data Review Detail Report for FA31931
Fort Ord Basewide Range Assessment Spring 2016
Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California**



Review Questions

Method:SW6010C Soil and aqueous EB

Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	.			
Stage 2 Review: COC - Temperature/Condition?	.			
Stage 2 Review: COC - Receipt anomalies?	.			
Stage 2 Review: COC - Sample/Methods checked?	.			
Stage 2 Review: Case Narrative - Anomalies?	.			MP30219-PS1 (post digestion spike) for Lead: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample
Stage 2 Review: Samples - Collection date?	.			3/25/2016
Stage 2 Review: Samples - Extraction date?	.			Soil 4/6;7/2016; EB 3/8/2016
Stage 2 Review: Samples - Analysis date?	.			Soil 4/6;7/2016; EB 3/8/2016
Stage 2 Review: Samples - Holding time? [180 days]	.			ok
Stage 2 Review: Samples - Batching?	.			Soil MP30219 / MA13082; MP30214 / EB MA13079 MP30076 / MA13017
Stage 2 Review: Samples - Lab qualifiers?	.			
Stage 2 Review: Calibration - ICAL? $R^2 \geq 0.99$.			
Stage 2 Review: Calibration -ICB and CCB [<0.02 mg/kg]	.			Trace levels (absolute values) of lead were detected in the ICB and CCB from batch MA13082 slightly above the MDL of 0.02 mg/kg for a 1X analysis at 0.022 mg/kg. Since the associated soil sample results were all greater than the LOQ, no qualifiers were required.
Stage 2 Review: Calibration - ICV? [90-110%R or 10%D]	.			
Stage 2 Review: Calibration - CCV? [90-110%R or 10%D]	.			
Stage 2 Review: Low/High Level Standard [80-120%R]	.			The low level standard was out of the criteria of 80-120% at 124% for analytical batch MA13079. Since the associated sample results were at least 5X greater than the LOQ no qualifiers were required.
Stage 2 Review:ICSA [80-120%R or ABS value<LOD]	.			
Stage 2 Review:ICSAB [80-120%R or ABS value<LOD]	.			
Stage 2 Review: Blank - Method blank? [$<DL$]	.			Trace lead detected in soil MB batch MP30214. Sample results all greater than LOQ. No qualifiers required. See QC Outlier Report.
Stage 2 Review: Blank - Equipment blank? [$<DL$]	.			
Stage 2 Review: Precision/Accuracy - MS/MSD? [20 RPD 81-112%R Soil 86-113% EB]	.			Non-sdg: evaluate precision only, RPDs in criteria Parent FA31931-7
Stage 2 Review: Precision/Accuracy - Post Digestion Spike? [80-120%R]	.			Parent FA31931-7: Post digestion spike %R out of criteria at 129.8% due to level of lead in parent greater than 4 X the amount spiked. No qualifiers are required.
Stage 2 Review: Precision/Accuracy - Serial Dilution? [90-110%R or 10%D]	.			
Stage 2 Review: Precision/Accuracy - LCS/LCSD? [20 RPD 81-112%R Soil 86-113% EB]	.			
Stage 2 Review: Quantitation - PQLs? [225 mg/kg (ROD Range); LOD 0.2 LOQ 1.0 mg/kg]	.			DL 0.1, LOD is 0.4; LOQ is 2 mg/kg (note - all samples and QC samples analyzed at 5X dilution; all samples were reported > LOQ)
Stage 2 Review: Quantitation - Dilution Factor?	.			
Stage 2 Review: Quantitation - Results (i.e. correct analytes)?	.			
Stage 2 Review: Field Duplicates - RPD within limits? [$RPD \leq 40$]	.			
Stage 4 Review: ICV; CCV percent difference verification:	.			Verified lead ICV and CCV from analytical batch MA13082.
Stage 4 Review: LCS; MS; sample re-calculations	.			Verified lead results for LCS, MS, serial dilution, post digestion spike and project samples from extraction batch MP30219 and analytical batch MA13082..

AUTOMATED DATA REVIEW SUMMARY for FA31930

Facility: Fort Ord

Guidance Document: Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California, January 2016

Contract Laboratory: Accutest Laboratories, Orlando, FL

Field Contractor:

Data Review Contractor:

SDG: FA31930, Certified - 4/26/2016 by rweekly

QC Level: S2BVEM; S4VEM

Project Manager: Erin Caruso

Data Reviewer: Peggy Cota

Data Reviewer Title: Project Chemist

Date of Review Report: May 12, 2016

Second Reviewer: Eric Middleditch

Completion Date of Second Reviewer:

Samples Included in SDG FA31930

Analytical Method/ Leach Method	Normal Soil Samples	Normal Water Samples	Field QC Soil Samples	Field QC Water Samples
SW6010C/NONE	12	0	0	1

AUTOMATED DATA REVIEW SUMMARY for FA31930

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by ; analyses were performed by Accutest Laboratories, Orlando, FL and were reported under sample delivery group (SDG) . Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- Equipment Blank
- Lab Replicate RPD
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Field Blank
- Field Duplicate
- Initial Calibration Summary and Verification
- Material Blank
- Negative Blank
- Surrogate
- Trip Blank
- ICP Metal: QC: Serial Dilution, Post Digestion Spike and Interference Check Sample
- Re-calculation of results from raw data (S4BEM only)

AUTOMATED DATA REVIEW SUMMARY for FA31930

A minimum of ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 0 results (0.00%) out of the 13 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

A stage 2B validation, electronic and manual (S4VEM) was performed on the 6010C calibration verifications, QC samples and project samples associated with extraction batch MP30238 and analytical batch MA13091 as part of the S4VEM required by the QAPP on 10% of the data reported from the Fall and Spring Baseline Range Assessment sampling event. The S4VEM includes all the parameters reviewed in the Review Questions of this ADR for “Stage 2”. The additional S4VEM parameters reviewed for the above samples are addressed in the Review Questions section of this ADR as “Stage 4”.

Peggy Cota

Released by Peggy Cota, Project Chemist

12-May-2016

Eric Middleditch

Released by Eric Middleditch

AUTOMATED DATA REVIEW SUMMARY for FA31930

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B1	The analyte was found in an associated method blank.
B2	Calibration Blank
B3	Calibration Blank - Negative
B4	Negative Blank
B5	The analyte was found in an associated blank as well as in the sample.
C10	Continuing Calibration Verification RRF
C11	Continuing Calibration Verification percent recovery, percent difference, or percent drift
C12	Low Level Continuing Calibration Verification was outside control limits
D1	Lab Replicate RPD
D2	MS RPD exceeded established criteria.
D4	No precision available
D5	Field duplicate precision
D6	RPD of laboratory control sample exceeded criteria
D7	Field Duplicate not usable
E	Exceeds LinearCalibration Range
F	Hydrocarbon pattern does not match standard
G	Initial Calibration RRF
G1	Initial Calibration RSD
G2	Initial Calibration Verification percent recovery, percent difference, or percent drift
G3	r2 values < 0.990 in the ICAL
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
G5	Initial Calibration out for metals/inorganics
H1	Test Hold Time
H2	Prep Hold Time

AUTOMATED DATA REVIEW SUMMARY for FA31930

Reason and Comment Code Definitions

Reasons	
Code	Definition
I	Internal standard
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
K1	Detected in the associated equipment rinsate blank.
K2	Detected in the associated field (i.e., ambient) blank.
K3	Detected in the associated trip blank.
K4	Detected in the associated storage blank
K5	Detected in the associated source blank
L	Percent recovery of laboratory control sample recovery was outside established limits
L1	A common laboratory artifact was detected in the sample at a concentration less than 10X the concentration detected in the associated method blank. (Negative)
M	Matrix spike recovery was outside established criteria.
M1	Minimum matrix spike frequency was not attained
N	Blank - No Action
O	Interference check sample
P	Sample preservation/collection requirement not met.
P1	Column or detector RPD
P2	Improper preparation/extraction
Q1	Material Blank
S	Surrogate recovery out of criteria (upper or lower limit)
S1	Sample less than 50% solids
T	Receipt Temperature
T2	RSD of lab triplicate out
TI	Tentatively Identified Compound
TR	Trace Level Detect
V	Sample Receipt Condition
W	Column breakdown (pesticides)

AUTOMATED DATA REVIEW SUMMARY for FA31930

Reason and Comment Code Definitions

Reasons	
Code	Definition
X	Raised reporting limit
X1	Unresolved Isomers; no peak separation
X2	Qualified due to professional judgment, see data validation narrative.
Y	Analyte not confirmed on second column
Y1	False Positive
Y2	Sum of species greater than total result
Z	Data rejected due to radiological anomalies
Z1	Data rejected, more valid data available

Flag Code and Definitions

Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for FA31930

Batch Report

Test Method: SW6010C; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
MA13028	MP30097	NA	FIELDQC	WQ	02-ER07SC	FA31930-5	MA13028	1/1	29-Feb-2016 8:25 AM	11-Mar-2016 8:42 AM	11-Mar-2016 3:39 PM	EB
	MP30097	NA	LABQC	WQ	LABQC	MP30097-B1	MA13028	1/1	11-Mar-2016 8:42 AM	11-Mar-2016 8:42 AM	11-Mar-2016 1:45 PM	BS
	MP30097	NA	LABQC	WQ	LABQC	MP30097-MB1	MA13028	1/1	11-Mar-2016 8:42 AM	11-Mar-2016 8:42 AM	11-Mar-2016 1:40 PM	LB
MA13091	MP30238	NA	02-04	SO	02-04SC0000	FA31930-6	MA13091	1/5	29-Feb-2016 9:36 AM	13-Apr-2016 8:31 AM	13-Apr-2016 1:54 PM	N
	MP30238	NA	02-05	SO	02-05SC0000	MP30238-D1	MA13091	1/5	29-Feb-2016 8:45 AM	13-Apr-2016 8:31 AM	13-Apr-2016 1:28 PM	LR
	MP30238	NA	02-05	SO	02-05SC0000	MP30238-S1	MA13091	1/5	29-Feb-2016 8:45 AM	13-Apr-2016 8:31 AM	13-Apr-2016 1:45 PM	MS
	MP30238	NA	02-05	SO	02-05SC0000	FA31930-1	MA13091	1/5	29-Feb-2016 8:45 AM	13-Apr-2016 8:31 AM	13-Apr-2016 1:24 PM	N
	MP30238	NA	02-05	SO	02-05SC0000	MP30238-S2	MA13091	1/5	29-Feb-2016 8:45 AM	13-Apr-2016 8:31 AM	13-Apr-2016 1:50 PM	SD
	MP30238	NA	02-10	SO	02-10SC0000	FA31930-13	MA13091	1/5	29-Feb-2016 8:45 AM	13-Apr-2016 8:31 AM	13-Apr-2016 2:11 PM	N
	MP30238	NA	02-11	SO	02-11SC0000	FA31930-16	MA13091	1/5	29-Feb-2016 9:25 AM	13-Apr-2016 8:31 AM	13-Apr-2016 2:16 PM	N
	MP30238	NA	02-14	SO	02-14SC0000	FA31930-19	MA13091	1/5	29-Feb-2016 10:05 AM	13-Apr-2016 8:31 AM	13-Apr-2016 2:20 PM	N
	MP30238	NA	02-15	SO	02-15SC0000	FA31930-22	MA13091	1/5	29-Feb-2016 10:55 AM	13-Apr-2016 8:31 AM	13-Apr-2016 2:24 PM	N
	MP30238	NA	02-16	SO	02-16SC0000	FA31930-31	MA13091	1/5	29-Feb-2016 2:15 PM	13-Apr-2016 8:31 AM	13-Apr-2016 2:37 PM	N
	MP30238	NA	02-18	SO	02-18SC0000	FA31930-25	MA13091	1/5	29-Feb-2016 12:30 PM	13-Apr-2016 8:31 AM	13-Apr-2016 2:29 PM	N
	MP30238	NA	02-19	SO	02-19SC0000	FA31930-28	MA13091	1/5	29-Feb-2016 1:25 PM	13-Apr-2016 8:31 AM	13-Apr-2016 2:33 PM	N
	MP30238	NA	02-30	SO	02-30SC0000	FA31930-35	MA13091	1/5	29-Feb-2016 1:49 PM	13-Apr-2016 8:31 AM	13-Apr-2016 2:46 PM	N
	MP30238	NA	02-31	SO	02-31SC0000	FA31930-34	MA13091	1/5	29-Feb-2016 1:22 PM	13-Apr-2016 8:31 AM	13-Apr-2016 2:42 PM	N
	MP30238	NA	02-64	SO	02-64SC0000	FA31930-9	MA13091	1/5	29-Feb-2016 10:34 AM	13-Apr-2016 8:31 AM	13-Apr-2016 2:07 PM	N
	MP30238	NA	LABQC	SQ	LABQC	MP30238-B1	MA13091	1/5	13-Apr-2016 8:31 AM	13-Apr-2016 8:31 AM	13-Apr-2016 1:19 PM	BS
	MP30238	NA	LABQC	SQ	LABQC	MP30238-MB1	MA13091	1/5	13-Apr-2016 8:31 AM	13-Apr-2016 8:31 AM	13-Apr-2016 1:15 PM	LB

AUTOMATED DATA REVIEW SUMMARY for FA31930

Field Batch Report

Test Method: SW6010C		Leach Method: NONE						
EBLOT	TBLOT	ABLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
29021601			FIELDQC	WQ	02-ER07SC	FA31930-5	2/29/2016 8:25:00 AM	EB
29021601			02-04	SO	02-04SC0000	FA31930-6	2/29/2016 9:36:00 AM	N
29021601			02-05	SO	02-05SC0000	FA31930-1	2/29/2016 8:45:00 AM	N
29021601			02-05	SO	02-05SC0000	MP30238-D1	2/29/2016 8:45:00 AM	LR
29021601			02-05	SO	02-05SC0000	MP30238-D2	2/29/2016 8:45:00 AM	LR
29021601			02-05	SO	02-05SC0000	MP30238-S1	2/29/2016 8:45:00 AM	MS
29021601			02-05	SO	02-05SC0000	MP30238-S2	2/29/2016 8:45:00 AM	SD

QC Outlier Report

--No Records Found--

Qualified Results

--No Records Found--

Detected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	02-04SC0000	N	Lead	2.0	34.0	34.0	MG/KG	
SW6010C/NONE	SO	02-05SC0000	N	Lead	1.9	54.2	54.2	MG/KG	
SW6010C/NONE	SO	02-10SC0000	N	Lead	2.0	62.8	62.8	MG/KG	
SW6010C/NONE	SO	02-11SC0000	N	Lead	2.0	36.2	36.2	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for FA31930

Detected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	02-14SC0000	N	Lead	1.9	43.6	43.6	MG/KG	
SW6010C/NONE	SO	02-15SC0000	N	Lead	1.9	36.9	36.9	MG/KG	
SW6010C/NONE	SO	02-16SC0000	N	Lead	1.9	28.3	28.3	MG/KG	
SW6010C/NONE	SO	02-18SC0000	N	Lead	1.9	18.2	18.2	MG/KG	
SW6010C/NONE	SO	02-19SC0000	N	Lead	2.0	14.0	14.0	MG/KG	
SW6010C/NONE	SO	02-30SC0000	N	Lead	1.9	10.5	10.5	MG/KG	
SW6010C/NONE	SO	02-31SC0000	N	Lead	1.9	14.7	14.7	MG/KG	
SW6010C/NONE	SO	02-64SC0000	N	Lead	1.9	48.1	48.1	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for FA31930

Rejected Results

--No Records Found--

Anomalies Count

--No Records Found--

Automated Data Review Detail Report for FA31930

Fort Ord_Basewide Range Assessment Spring 2016

Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California



Review Questions

Method:SW6010C Soil and aqueous EB				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?		•		Several samples were received by the laboratory which were not entered on the COC. A revised COC was provided from the client with the additional samples. Also, sample 02-64SC0000 (FA31930-9) status was changed from hold to analyze.
Stage 2 Review: COC - Temperature/Condition?		•		
Stage 2 Review: COC - Receipt anomalies?		•		
Stage 2 Review: COC - Sample/Methods checked?		•		
Stage 2 Review: Case Narrative - Anomalies?		•		Spike for FA31930-1 was out due to spike amount low relative to the sample amount.
Stage 2 Review: Samples - Collection date?		•		2/29/2016
Stage 2 Review: Samples - Extraction date?		•		Soil 4/13/16; EB 3/11/16
Stage 2 Review: Samples - Analysis date?		•		Soil 4/13/16; EB 3/11/16
Stage 2 Review: Samples - Holding time? [180 days]		•		
Stage 2 Review: Samples - Batching?		•		Soil MP30238 / MA13091 EB MP30097 / MA13028
Stage 2 Review: Samples - Lab qualifiers?		•		
Stage 2 Review: Calibration - ICAL? $R^2 \geq 0.99$		•		
Stage 2 Review: Calibration - ICV? [90-110%R or 10%D]		•		
Stage 2 Review: Calibration - CCV? [90-110%R or 10%D]		•		
Stage 2 Review: Low/High Level Standard [80-120%R]		•		
Stage 2 Review: ICSA [80-120%R or ABS value<LOD]		•		
Stage 2 Review: IC SAB [80-120%R or ABS value<LOD]		•		
Stage 2 Review: Blank - Method blank? [<DL]		•		
Stage 2 Review: Blank - Equipment blank? [<DL]		•		
Stage 2 Review: Precision/Accuracy - MS/MSD? [20 RPD 81-112%R Soil 86-113% EB]		•		The MS %R was out of criteria in the MS/MSD prepared from sample FA31930-1 due to the amount of lead in the parent sample greater than 4X the spike amount. No qualifiers are required.
Stage 2 Review: Precision/Accuracy - Post Digestion Spike? [80-120%R]		•		
Stage 2 Review: Precision/Accuracy - Serial Dilution? [90-110%R or 10%D]		•		
Stage 2 Review: Precision/Accuracy - LCS/LCSD? [20 RPD 81-112%R Soil 86-113% EB]		•		
Stage 2 Review: Quantitation - PQLs? [225 mg/kg (ROD Range); LOD 0.2 LOQ 1.0 mg/kg]		•		DL 0.1, LOD is 0.4; LOQ is 2 mg/kg (note - all samples and QC samples analyzed at 5X dilution; all samples were reported > LOQ)
Stage 2 Review: Quantitation - Dilution Factor?		•		
Stage 2 Review: Quantitation - Results (i.e. correct analytes)?		•		
Stage 2 Review: Field Duplicates - RPD within limits? [RPD≤40]			•	
Stage 4 Review: ICV; CCV percent difference verification:		•		Verified lead ICV and CCV from analytical batch MA13091
Stage 4 Review: LCS; MS; sample re-calculations		•		Verified lead results for LCS, MS, serial dilution, post digestion spike and project samples from extraction batch MP30238 and analytical batch MA13091.

AUTOMATED DATA REVIEW SUMMARY for FA31929

Facility: Fort Ord

Guidance Document: I b]hg %&Z' ž+ž%\$Z' ' ŽK ; 65 `GUa d`]b[`K cf_`D`Ub: cfa Yf': cfhCfXž7 U]Zfb]Už>Ubi Ufmi&\$%

Contract Laboratory: Accutest Laboratories, Orlando, FL

Field Contractor:

Data Review Contractor:

SDG: FA31929, Certified - 4/14/2016 by nfarmer

QC Level:

Project Manager: Erin Caruso

Data Reviewer: Peggy Cota

Data Reviewer Title: Project Chemist

Date of Review Report: May 13, 2016

Second Reviewer: Eric Middleditch

Completion Date of Second Reviewer:

Samples Included in SDG FA31929

Analytical Method/ Leach Method	Normal Soil Samples	Normal Water Samples	Field QC Soil Samples	Field QC Water Samples
SW6010C/NONE	12	0	1	1

AUTOMATED DATA REVIEW SUMMARY for FA' % &

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by ; analyses were performed by Accutest Laboratories, Orlando, FL and were reported under sample delivery group (SDG) . Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- Equipment Blank
- Field Duplicate
- Lab Replicate RPD
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Surrogate
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Field Blank
- Initial Calibration Curve
- Initial Calibration Verification
- Instrument performance
- Internal Standards
- Material Blank
- Negative Blank
- Trip Blank
- ICP Metal QC: Serial Dilution, Post Digestion Spike and Interference Check Sample

AUTOMATED DATA REVIEW SUMMARY for FA31929

A minimum of ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 2 results (14.29%) out of the 14 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

None

Peggy Cota

Released by Peggy Cota, Project Chemist

Eric Middleditch

Released by Eric Middleditch

13-May-2016

AUTOMATED DATA REVIEW SUMMARY for FA31929

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B1	The analyte was found in an associated method blank.
B2	Calibration Blank
B3	Calibration Blank - Negative
B4	Negative Blank
B5	The analyte was found in an associated blank as well as in the sample.
C10	Continuing Calibration Verification RRF
C11	Continuing Calibration Verification percent recovery, percent difference, or percent drift
C12	Low Level Continuing Calibration Verification was outside control limits
D1	Lab Replicate RPD
D2	MS RPD exceeded established criteria.
D4	No precision available
D5	Field duplicate precision
D6	RPD of laboratory control sample exceeded criteria
D7	Field Duplicate not usable
E	Exceeds LinearCalibration Range
F	Hydrocarbon pattern does not match standard
G	Initial Calibration RRF
G1	Initial Calibration RSD
G2	Initial Calibration Verification percent recovery, percent difference, or percent drift
G3	r2 values < 0.990 in the ICAL
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
G5	Initial Calibration out for metals/inorganics
H1	Test Hold Time
H2	Prep Hold Time

AUTOMATED DATA REVIEW SUMMARY for FA31929

Reason and Comment Code Definitions

Reasons	
Code	Definition
I	Internal standard
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
K1	Detected in the associated equipment rinsate blank.
K2	Detected in the associated field (i.e., ambient) blank.
K3	Detected in the associated trip blank.
K4	Detected in the associated storage blank
K5	Detected in the associated source blank
L	Percent recovery of laboratory control sample recovery was outside established limits
L1	A common laboratory artifact was detected in the sample at a concentration less than 10X the concentration detected in the associated method blank. (Negative)
M	Matrix spike recovery was outside established criteria.
M1	Minimum matrix spike frequency was not attained
N	Blank - No Action
O	Interference check sample
P	Sample preservation/collection requirement not met.
P1	Column or detector RPD
P2	Improper preparation/extraction
Q1	Material Blank
S	Surrogate recovery out of criteria (upper or lower limit)
S1	Sample less than 50% solids
T	Receipt Temperature
T2	RSD of lab triplicate out
TI	Tentatively Identified Compound
TR	Trace Level Detect
V	Sample Receipt Condition
W	Column breakdown (pesticides)

AUTOMATED DATA REVIEW SUMMARY for FA31929

Reason and Comment Code Definitions

Reasons	
Code	Definition
X	Raised reporting limit
X1	Unresolved Isomers; no peak separation
X2	Qualified due to professional judgment, see data validation narrative.
Y	Analyte not confirmed on second column
Y1	False Positive
Y2	Sum of species greater than total result
Z	Data rejected due to radiological anomalies
Z1	Data rejected, more valid data available

Flag Code and Definitions

Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for FA31929

Batch Report

Test Method: SW6010C; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
MA13017	MP30076	NA	FIELDQC	WQ	02-ER05SC	FA31929-31	MA13017	1/1	24-Feb-2016 3:39 PM	08-Mar-2016 7:30 AM	08-Mar-2016 1:33 PM	EB
	MP30076	NA	LABQC	WQ	LABQC	MP30076-B1	MA13017	1/1	08-Mar-2016 7:30 AM	08-Mar-2016 7:30 AM	08-Mar-2016 11:56 AM	BS
	MP30076	NA	LABQC	WQ	LABQC	MP30076-MB1	MA13017	1/1	08-Mar-2016 7:30 AM	08-Mar-2016 7:30 AM	08-Mar-2016 11:52 AM	LB
MA13079	MP30214	NA	02-20	SO	02-20SC0000	FA31929-8	MA13079	1/5	24-Feb-2016 10:00 AM	06-Apr-2016 10:13 AM	06-Apr-2016 5:24 PM	N
	MP30214	NA	02-21	SO	02-21SC0000	FA31929-5	MA13079	1/5	24-Feb-2016 9:03 AM	06-Apr-2016 10:13 AM	06-Apr-2016 5:20 PM	N
	MP30214	NA	02-22	SO	02-22SC0000	FA31929-21	MA13079	1/5	24-Feb-2016 1:21 PM	06-Apr-2016 10:13 AM	06-Apr-2016 5:42 PM	N
	MP30214	NA	02-22	SO	02-22SC0000Q	FA31929-22	MA13079	1/5	24-Feb-2016 1:21 PM	06-Apr-2016 10:13 AM	06-Apr-2016 5:46 PM	FD
	MP30214	NA	02-23	SO	02-23SC0000	FA31929-18	MA13079	1/5	24-Feb-2016 11:03 AM	06-Apr-2016 10:13 AM	06-Apr-2016 5:37 PM	N
	MP30214	NA	02-24	SO	02-24SC0000	FA31929-28	MA13079	1/5	24-Feb-2016 2:35 PM	06-Apr-2016 10:13 AM	06-Apr-2016 5:55 PM	N
	MP30214	NA	02-25	SO	02-25SC0000	FA31929-25	MA13079	1/5	24-Feb-2016 2:04 PM	06-Apr-2016 10:13 AM	06-Apr-2016 5:51 PM	N
	MP30214	NA	02-35	SO	02-35SC0000	FA31929-38	MA13079	1/5	24-Feb-2016 2:55 PM	06-Apr-2016 10:13 AM	06-Apr-2016 6:17 PM	N
	MP30214	NA	02-38	SO	02-38SC0000	FA31929-12	MA13079	1/5	24-Feb-2016 10:00 AM	06-Apr-2016 10:13 AM	06-Apr-2016 5:29 PM	N
	MP30214	NA	02-39	SO	02-39SC0000	FA31929-15	MA13079	1/5	24-Feb-2016 10:50 AM	06-Apr-2016 10:13 AM	06-Apr-2016 5:33 PM	N
	MP30214	NA	02-40	SO	02-40SC0000	FA31929-1	MA13079	1/5	24-Feb-2016 8:55 AM	06-Apr-2016 10:13 AM	06-Apr-2016 5:07 PM	N
	MP30214	NA	02-65	SO	02-65SC0000	FA31929-32	MA13079	1/5	24-Feb-2016 1:30 PM	06-Apr-2016 10:13 AM	06-Apr-2016 5:59 PM	N
	MP30214	NA	02-66	SO	02-66SC0000	FA31929-35	MA13079	1/5	24-Feb-2016 2:15 PM	06-Apr-2016 10:13 AM	06-Apr-2016 6:12 PM	N
	MP30214	NA	LABQC	SQ	LABQC	MP30214-B1	MA13079	1/5	06-Apr-2016 10:13 AM	06-Apr-2016 10:13 AM	06-Apr-2016 4:15 PM	BS
	MP30214	NA	LABQC	SQ	LABQC	MP30214-MB1	MA13079	1/5	06-Apr-2016 10:13 AM	06-Apr-2016 10:13 AM	06-Apr-2016 4:10 PM	LB

AUTOMATED DATA REVIEW SUMMARY for FA31929

Field Batch Report

Test Method: SW6010C			Leach Method: NONE					
EBLOT	TBLOT	ABLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
24021601			FIELDQC	WQ	02-ER05SC	FA31929-31	2/24/2016 3:39:00 PM	EB
24021601			02-24	SO	02-24SC0000	FA31929-28	2/24/2016 2:35:00 PM	N
24021601			02-35	SO	02-35SC0000	FA31929-38	2/24/2016 2:55:00 PM	N

AUTOMATED DATA REVIEW SUMMARY for FA31929

QC Outlier Report

Test/Prep	QC Element	Sample ID	Run# / Dil'n	Analyte	Result	Units	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
SW6010C / SW3050B	Blank	MP30214-MB1 (LB)	1 / 5.00	Lead	0.130	MG/KG	U/None	< 0.1	< 2	B1			
SW6010C / SW3050B	Field Duplicate	02-22SC0000Q / FA31929-22	1 / 5.00	Lead	43.9	RPD	J/UJ	< 40	< 80	D5			

AUTOMATED DATA REVIEW SUMMARY for FA31929

Qualified Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	02-22SC0000	N	Lead	2.0	55.3	55.3 J	MG/KG	D5
SW6010C/NONE	SO	02-22SC0000Q	FD	Lead	2.0	35.4	35.4 J	MG/KG	D5

AUTOMATED DATA REVIEW SUMMARY for FA31929

Detected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	02-20SC0000	N	Lead	1.9	16.4	16.4	MG/KG	
SW6010C/NONE	SO	02-21SC0000	N	Lead	1.9	30.6	30.6	MG/KG	
SW6010C/NONE	SO	02-22SC0000	N	Lead	2.0	55.3	55.3 J	MG/KG	D5
SW6010C/NONE	SO	02-22SC0000Q	FD	Lead	2.0	35.4	35.4 J	MG/KG	D5
SW6010C/NONE	SO	02-23SC0000	N	Lead	2.0	33.6	33.6	MG/KG	
SW6010C/NONE	SO	02-24SC0000	N	Lead	2.0	73.0	73.0	MG/KG	
SW6010C/NONE	SO	02-25SC0000	N	Lead	2.0	33.9	33.9	MG/KG	
SW6010C/NONE	SO	02-35SC0000	N	Lead	2.0	31.4	31.4	MG/KG	
SW6010C/NONE	SO	02-38SC0000	N	Lead	1.9	12.6	12.6	MG/KG	
SW6010C/NONE	SO	02-39SC0000	N	Lead	1.9	24.0	24.0	MG/KG	
SW6010C/NONE	SO	02-40SC0000	N	Lead	1.9	15.8	15.8	MG/KG	
SW6010C/NONE	SO	02-65SC0000	N	Lead	1.9	15.7	15.7	MG/KG	
SW6010C/NONE	SO	02-66SC0000	N	Lead	1.9	22.6	22.6	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for FA31929

Rejected Results

--No Records Found--

Automated Data Review Detail Report for FA31929

Fort Ord Basewide Range Assessment Spring 2016

Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California



Review Questions

Method:SW6010C Soil and aqueous EB	Yes	No	NA	Comment
Review Questions				
Stage 2 Review: COC - Custody Trail?	•			
Stage 2 Review: COC - Temperature/Condition?	•			
Stage 2 Review: COC - Receipt anomalies?	•			
Stage 2 Review: COC - Sample/Methods checked?	•			
Stage 2 Review: Case Narrative - Anomalies?	•			
Stage 2 Review: Samples - Collection date?	•			2/24/2016
Stage 2 Review: Samples - Extraction date?	•			Soil 4/6/16; EB 3/8/16
Stage 2 Review: Samples - Analysis date?	•			Soil 4/6/16; EB 3/8/16
Stage 2 Review: Samples - Holding time? [180 days]	•			
Stage 2 Review: Samples - Batching?	•			Soil MP30214 / MA13079 MP30076 / MA13017
Stage 2 Review: Samples - Lab qualifiers?	•			
Stage 2 Review: Calibration - ICAL? $R^2 \geq 0.99$	•			
Stage 2 Review: Calibration - ICV? [90-110%R or 10%D]	•			
Stage 2 Review: Calibration - CCV? [90-110%R or 10%D]	•			
Stage 2 Review: Low/High Level Standard [80-120%R]	•			The low level standard was out of the criteria of 80-120% at 124% for analytical batch MA13079. Since the associated sample results were at least 5X greater than the LOQ no qualifiers were required.
Stage 2 Review: ICSA [80-120%R or ABS value<LOD]	•			
Stage 2 Review: ICSAB [80-120%R or ABS value<LOD]	•			
Stage 2 Review: Blank - Method blank? [<DL]	•			Trace lead in soil MB. Sample results > LOQ - no qualifiers required. See QC Outlier Report.
Stage 2 Review: Blank - Equipment blank? [<DL]	•			
Stage 2 Review: Precision/Accuracy - MS/MSD? [20 RPD 81-112%R Soil 86-113% EB]	•			Non- SDG parent. Evaluated RPD only - result was in criteria.
Stage 2 Review: Precision/Accuracy - Post Digestion Spike? [80-120%R]	•			• Non- SDG parent sample
Stage 2 Review: Precision/Accuracy - Serial Dilution? [90-110%R or 10%D]	•			• Non- SDG parent sample
Stage 2 Review: Precision/Accuracy - LCS/LCSD? [20 RPD 81-112%R Soil 86-113% EB]	•			Single LCS.
Stage 2 Review: Quantitation - PQLs? [225 mg/kg (ROD Range); LOD 0.2 LOQ 1.0 mg/kg]	•			DL 0.1, LOD is 0.4; LOQ is 2 mg/kg (note - all samples and QC samples analyzed at 5X dilution; all samples were reported > LOQ)
Stage 2 Review: Quantitation - Dilution Factor?	•			
Stage 2 Review: Quantitation - Results (i.e. correct analytes)?	•			
Stage 2 Review: Field Duplicates - RPD within limits? [RPD≤40]	•			See QC Outlier Report

Fort Ord_Basewide Range Assessment Spring 2016

Field Duplicate Report By SDG

BRA with KEMRON

Units 1,2,3,7,10,33,WGBASampWP

Field Duplicates for SDG: FA31929



Location **Analysis**
02-22 SW6010C

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
02-22SC0000 / 02-22SC0000Q	FA31929-21 / FA31929-22	Lead	55.3	35.4	2.00	43.9	40	Out	NA

FD = Field Duplicate
RL = Reporting Limit
RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil



Qualified Results Table

Lab Sample ID	Sample ID	Sample Collection Date	Type	Method	Parameter	Original Value	Qualifier	New Value	Bias	MDL	RL	Units	Reason
FA31929-21	02-22SC0000	2/24/2016	SO-N	SW6010C	Lead	55.3	J	55.3 J		0.098	2.0	MG/KG	D5
FA31929-22	02-22SC0000Q	2/24/2016	SO-FD	SW6010C	Lead	35.4	J	35.4 J		0.10	2.0	MG/KG	D5

Matrix / Sample Type

Matrix	Matrix Description	Sample Code	Sample Code Description
SO	SOIL	FD	Field Duplicate
SO	SOIL	N	Normal

Data Qualifier Definitions

Flag	Description
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.

Reason and Comment Code Definitions

Code	Description
D5	Field duplicate precision

AUTOMATED DATA REVIEW SUMMARY for FA31884

Facility: Fort Ord

Guidance Document: I b]hg'%'&ž' ž+ž%'ž' ' žK ; 6 5 'GUa d`]b['K cf_ 'D'Ub': cfa Yf': cfhCfXž7 U]z:fb]Už>Ubi Ufmi&\$%

Contract Laboratory: Accutest Laboratories, Orlando, FL

Field Contractor:

Data Review Contractor:

SDG: FA31884, Certified - 4/27/2016 by emiddleditch

QC Level: S2BVEM

Project Manager: Erin Caruso

Data Reviewer: Peggy Cota

Data Reviewer Title: Project Chemist

Date of Review Report: May 12, 2016

Second Reviewer: Eric Middleditch

Completion Date of Second Reviewer:

Samples Included in SDG FA31884

Analytical Method/ Leach Method	Normal Soil Samples	Normal Water Samples	Field QC Soil Samples	Field QC Water Samples
SW6010C/NONE	9	0	1	1
SW8330B/NONE	10	0	1	1

AUTOMATED DATA REVIEW SUMMARY for FA31884

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by ; analyses were performed by Accutest Laboratories, Orlando, FL and were reported under sample delivery group (SDG) . Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- Equipment Blank
- Field Duplicate
- Lab Replicate RPD
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Surrogate
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below. See Review Questions for QC specific to each method reviewed.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Field Blank
- Initial Calibration and Initial Calibration Verification
- Material Blank
- Negative Blank
- Trip Blank
- ICP Metal: QC: Serial Dilution, Post Digestion Spike and Interference Check Sample
- HPLC QC: Confirmation RPD

AUTOMATED DATA REVIEW SUMMARY for FA31884

A minimum of ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 2 results (4.26%) out of the 47 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

None.

Peggy Cota

Released by Peggy Cota, Project Chemist

Eric Middleditch

Released by Eric Middleditch

12-May-2016

AUTOMATED DATA REVIEW SUMMARY for FA31884

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B1	The analyte was found in an associated method blank.
B2	Calibration Blank
B3	Calibration Blank - Negative
B4	Negative Blank
B5	The analyte was found in an associated blank as well as in the sample.
C10	Continuing Calibration Verification RRF
C11	Continuing Calibration Verification percent recovery, percent difference, or percent drift
C12	Low Level Continuing Calibration Verification was outside control limits
D1	Lab Replicate RPD
D2	MS RPD exceeded established criteria.
D4	No precision available
D5	Field duplicate precision
D6	RPD of laboratory control sample exceeded criteria
D7	Field Duplicate not usable
E	Exceeds LinearCalibration Range
F	Hydrocarbon pattern does not match standard
G	Initial Calibration RRF
G1	Initial Calibration RSD
G2	Initial Calibration Verification percent recovery, percent difference, or percent drift
G3	r2 values < 0.990 in the ICAL
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
G5	Initial Calibration out for metals/inorganics
H1	Test Hold Time
H2	Prep Hold Time

AUTOMATED DATA REVIEW SUMMARY for FA31884

Reason and Comment Code Definitions

Reasons	
Code	Definition
I	Internal standard
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
K1	Detected in the associated equipment rinsate blank.
K2	Detected in the associated field (i.e., ambient) blank.
K3	Detected in the associated trip blank.
K4	Detected in the associated storage blank
K5	Detected in the associated source blank
L	Percent recovery of laboratory control sample recovery was outside established limits
L1	A common laboratory artifact was detected in the sample at a concentration less than 10X the concentration detected in the associated method blank. (Negative)
M	Matrix spike recovery was outside established criteria.
M1	Minimum matrix spike frequency was not attained
N	Blank - No Action
O	Interference check sample
P	Sample preservation/collection requirement not met.
P1	Column or detector RPD
P2	Improper preparation/extraction
Q1	Material Blank
S	Surrogate recovery out of criteria (upper or lower limit)
S1	Sample less than 50% solids
T	Receipt Temperature
T2	RSD of lab triplicate out
TI	Tentatively Identified Compound
TR	Trace Level Detect
V	Sample Receipt Condition
W	Column breakdown (pesticides)

AUTOMATED DATA REVIEW SUMMARY for FA31884

Reason and Comment Code Definitions

Reasons	
Code	Definition
X	Raised reporting limit
X1	Unresolved Isomers; no peak separation
X2	Qualified due to professional judgment, see data validation narrative.
Y	Analyte not confirmed on second column
Y1	False Positive
Y2	Sum of species greater than total result
Z	Data rejected due to radiological anomalies
Z1	Data rejected, more valid data available

Flag Code and Definitions

Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for FA31884

Batch Report

Test Method: SW6010C; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
MA13018	MP30077	NA	FIELDQC	WQ	03-ER09SC	FA31884-30	MA13018	1/1	02-Mar-2016 2:37 PM	08-Mar-2016 7:40 AM	08-Mar-2016 3:24 PM	EB
	MP30077	NA	LABQC	WQ	LABQC	MP30077-B1	MA13018	1/1	08-Mar-2016 7:40 AM	08-Mar-2016 7:40 AM	08-Mar-2016 12:25 PM	BS
	MP30077	NA	LABQC	WQ	LABQC	MP30077-MB1	MA13018	1/1	08-Mar-2016 7:40 AM	08-Mar-2016 7:40 AM	08-Mar-2016 12:21 PM	LB
MA13088	MP30234	NA	01-05	SO	01-05SC0000	FA31884-14A	MA13088	1/5	02-Mar-2016 8:45 AM	12-Apr-2016 11:04 AM	12-Apr-2016 6:41 PM	N
	MP30234	NA	01-08	SO	01-08SC0000	FA31884-17A	MA13088	1/5	02-Mar-2016 10:00 AM	12-Apr-2016 11:04 AM	12-Apr-2016 6:45 PM	N
	MP30234	NA	03-05	SO	03-05SC0000	FA31884-5A	MA13088	1/5	02-Mar-2016 10:05 AM	12-Apr-2016 11:04 AM	12-Apr-2016 6:29 PM	N
	MP30234	NA	03-07	SO	03-07SC0000	FA31884-11A	MA13088	1/5	02-Mar-2016 12:51 PM	12-Apr-2016 11:04 AM	12-Apr-2016 6:37 PM	N
	MP30234	NA	03-08	SO	03-08SC0000	MP30234-D2	MA13088	1/5	02-Mar-2016 9:02 AM	12-Apr-2016 11:04 AM	12-Apr-2016 5:57 PM	LR
	MP30234	NA	03-08	SO	03-08SC0000	MP30234-S1	MA13088	1/5	02-Mar-2016 9:02 AM	12-Apr-2016 11:04 AM	12-Apr-2016 6:17 PM	MS
	MP30234	NA	03-08	SO	03-08SC0000	FA31884-1A	MA13088	1/5	02-Mar-2016 9:02 AM	12-Apr-2016 11:04 AM	12-Apr-2016 5:48 PM	N
	MP30234	NA	03-08	SO	03-08SC0000	MP30234-S2	MA13088	1/5	02-Mar-2016 9:02 AM	12-Apr-2016 11:04 AM	12-Apr-2016 6:21 PM	SD
	MP30234	NA	03-08	SO	03-08SC0000Q	FA31884-2	MA13088	1/5	02-Mar-2016 9:02 AM	12-Apr-2016 11:04 AM	12-Apr-2016 6:25 PM	FD
	MP30234	NA	03-09	SO	03-09SC0000	FA31884-8A	MA13088	1/5	02-Mar-2016 10:57 AM	12-Apr-2016 11:04 AM	12-Apr-2016 6:33 PM	N
	MP30234	NA	LABQC	SQ	LABQC	MP30234-B1	MA13088	1/5	12-Apr-2016 11:04 AM	12-Apr-2016 11:04 AM	12-Apr-2016 5:44 PM	BS
	MP30234	NA	LABQC	SQ	LABQC	MP30234-MB1	MA13088	1/5	12-Apr-2016 11:04 AM	12-Apr-2016 11:04 AM	12-Apr-2016 5:40 PM	LB
	MP30234	NA	WG-04	SO	WG-04SC0000	FA31884-29A	MA13088	1/5	02-Mar-2016 1:45 PM	12-Apr-2016 11:04 AM	12-Apr-2016 7:01 PM	N
	MP30234	NA	WG-07	SO	WG-07SC0000	FA31884-26A	MA13088	1/5	02-Mar-2016 12:45 PM	12-Apr-2016 11:04 AM	12-Apr-2016 6:57 PM	N
	MP30234	NA	WGBA-05	SO	WG-05SC0000	FA31884-33A	MA13088	1/5	02-Mar-2016 2:25 PM	12-Apr-2016 11:04 AM	12-Apr-2016 7:05 PM	N

AUTOMATED DATA REVIEW SUMMARY for FA31884

Batch Report

Test Method: SW8330B; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
GBB1423	OP59619	NA	FIELDQC	WQ	03-ER09SC	FA31884-30	GBB1412	1/1	02-Mar-2016 2:37 PM	08-Mar-2016 8:30 AM	15-Mar-2016 9:42 AM	EB
	OP59619	NA	LABQC	WQ	LABQC	OP59619-BS	GBB1412	1/1	08-Mar-2016 8:30 AM	08-Mar-2016 8:30 AM	15-Mar-2016 8:26 AM	BS
	OP59619	NA	LABQC	WQ	LABQC	OP59619-MB	GBB1412	1/1	08-Mar-2016 8:30 AM	08-Mar-2016 8:30 AM	15-Mar-2016 8:51 AM	LB
GBB1426	OP59727	NA	01-05	SO	01-05SC0000	FA31884-14	GBB1412	1/1	02-Mar-2016 8:45 AM	16-Mar-2016 4:30 PM	18-Mar-2016 3:59 PM	N
	OP59727	NA	01-08	SO	01-08SC0000	FA31884-17	GBB1412	1/1	02-Mar-2016 10:00 AM	16-Mar-2016 4:30 PM	18-Mar-2016 4:24 PM	N
	OP59727	NA	01-09	SO	01-09SC0000	FA31884-20	GBB1412	1/1	02-Mar-2016 11:00 AM	16-Mar-2016 4:30 PM	18-Mar-2016 4:50 PM	N
	OP59727	NA	01-09	SO	01-09SC0000Q	FA31884-21	GBB1412	1/1	02-Mar-2016 11:00 AM	16-Mar-2016 4:30 PM	18-Mar-2016 5:15 PM	FD
	OP59727	NA	01-09	SO	01-09SC0000Q	OP59727-DUP	GBB1412	1/1	02-Mar-2016 11:00 AM	16-Mar-2016 4:30 PM	18-Mar-2016 5:41 PM	LR
	OP59727	NA	03-05	SO	03-05SC0000	FA31884-5	GBB1412	1/1	02-Mar-2016 10:05 AM	16-Mar-2016 4:30 PM	18-Mar-2016 2:43 PM	N
	OP59727	NA	03-07	SO	03-07SC0000	FA31884-11	GBB1412	1/1	02-Mar-2016 12:51 PM	16-Mar-2016 4:30 PM	18-Mar-2016 3:33 PM	N
	OP59727	NA	03-08	SO	03-08SC0000	OP59727-MS	GBB1412	1/1	02-Mar-2016 9:02 AM	16-Mar-2016 4:30 PM	18-Mar-2016 12:28 PM	MS
	OP59727	NA	03-08	SO	03-08SC0000	FA31884-1	GBB1412	1/1	02-Mar-2016 9:02 AM	16-Mar-2016 4:30 PM	18-Mar-2016 12:03 PM	N
	OP59727	NA	03-08	SO	03-08SC0000	OP59727-MSD	GBB1412	1/1	02-Mar-2016 9:02 AM	16-Mar-2016 4:30 PM	18-Mar-2016 2:17 PM	SD
	OP59727	NA	03-09	SO	03-09SC0000	FA31884-8	GBB1412	1/1	02-Mar-2016 10:57 AM	16-Mar-2016 4:30 PM	18-Mar-2016 3:08 PM	N
	OP59727	NA	LABQC	SQ	LABQC	OP59727-BS	GBB1412	1/1	16-Mar-2016 4:30 PM	16-Mar-2016 4:30 PM	18-Mar-2016 10:20 AM	BS
	OP59727	NA	LABQC	SQ	LABQC	OP59727-PT1	GBB1412	1/1	16-Mar-2016 4:30 PM	16-Mar-2016 4:30 PM	18-Mar-2016 10:46 AM	BS
	OP59727	NA	LABQC	SQ	LABQC	OP59727-MB	GBB1412	1/1	16-Mar-2016 4:30 PM	16-Mar-2016 4:30 PM	18-Mar-2016 11:37 AM	LB
	OP59727	NA	WG-04	SO	WG-04SC0000	FA31884-29	GBB1412	1/1	02-Mar-2016 1:45 PM	16-Mar-2016 4:30 PM	18-Mar-2016 7:48 PM	N
	OP59727	NA	WG-07	SO	WG-07SC0000	FA31884-26	GBB1412	1/1	02-Mar-2016 12:45 PM	16-Mar-2016 4:30 PM	18-Mar-2016 7:23 PM	N
	OP59727	NA	WGBA-05	SO	WG-05SC0000	FA31884-33	GBB1412	1/1	02-Mar-2016 2:25 PM	16-Mar-2016 4:30 PM	18-Mar-2016 8:14 PM	N

AUTOMATED DATA REVIEW SUMMARY for FA31884

Field Batch Report

Test Method: SW6010C			Leach Method: NONE					
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EBLOT	TBLOT	ABLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
02031601			FIELDQC	WQ	03-ER09SC	FA31884-30	3/2/2016 2:37:00 PM	EB
02031601			WG-04	SO	WG-04SC0000	FA31884-29A	3/2/2016 1:45:00 PM	N
02031601			WGBA-05	SO	WG-05SC0000	FA31884-33A	3/2/2016 2:25:00 PM	N

Test Method: SW8330B			Leach Method: NONE					
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EBLOT	TBLOT	ABLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
02031601			WG-04	SO	WG-04SC0000	FA31884-29	3/2/2016 1:45:00 PM	N
02031601			WGBA-05	SO	WG-05SC0000	FA31884-33	3/2/2016 2:25:00 PM	N
02031601			FIELDQC	WQ	03-ER09SC	FA31884-30	3/2/2016 2:37:00 PM	EB

AUTOMATED DATA REVIEW SUMMARY for FA31884

QC Outlier Report

Test/Prep	QC Element	Sample ID	Run# / Dil'n	Analyte	Result	Units	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
SW6010C / SW3050B	Field Duplicate	03-08SC0000Q / FA31884-2	1 / 5.00	Lead	59.4	RPD	J/UJ	< 40	< 80	D5			

AUTOMATED DATA REVIEW SUMMARY for FA31884

Qualified Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	03-08SC0000	N	Lead	1.9	159	159 J	MG/KG	D5
SW6010C/NONE	SO	03-08SC0000Q	FD	Lead	1.8	86.2	86.2 J	MG/KG	D5

AUTOMATED DATA REVIEW SUMMARY for FA31884

Detected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	01-05SC0000	N	Lead	1.9	14.3	14.3	MG/KG	
SW6010C/NONE	SO	01-08SC0000	N	Lead	1.8	6.3	6.3	MG/KG	
SW6010C/NONE	SO	03-05SC0000	N	Lead	1.8	21.9	21.9	MG/KG	
SW6010C/NONE	SO	03-07SC0000	N	Lead	1.9	48.0	48.0	MG/KG	
SW6010C/NONE	SO	03-08SC0000	N	Lead	1.9	159	159 J	MG/KG	D5
SW6010C/NONE	SO	03-08SC0000Q	FD	Lead	1.8	86.2	86.2 J	MG/KG	D5
SW6010C/NONE	SO	03-09SC0000	N	Lead	2.0	61.0	61.0	MG/KG	
SW6010C/NONE	SO	WG-04SC0000	N	Lead	1.9	16.5	16.5	MG/KG	
SW6010C/NONE	SO	WG-05SC0000	N	Lead	1.9	18.9	18.9	MG/KG	
SW6010C/NONE	SO	WG-07SC0000	N	Lead	1.9	14.3	14.3	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for FA31884

Rejected Results

--No Records Found--

Automated Data Review Detail Report for FA31884

Fort Ord_Basewide Range Assessment Spring 2016

Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California



Review Questions

Method:SW6010C: Soil and aqueous EB				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	•			
Stage 2 Review: COC - Temperature/Condition?	•			
Stage 2 Review: COC - Receipt anomalies?	•			
Stage 2 Review: COC - Sample/Methods checked?	•			
Stage 2 Review: Case Narrative - Anomalies?	•			MS/MSD %R for sample 1 out due to Spike amount low relative to the sample amount.
Stage 2 Review: Samples - Collection date?	•			3/2/2016
Stage 2 Review: Samples - Extraction date?	•			4/12/2016 Soil 3/8/2016 EB
Stage 2 Review: Samples - Analysis date?	•			4/12/2016 Soil 3/8/2016 EB
Stage 2 Review: Samples - Holding time? [180 days]	•			
Stage 2 Review: Samples - Batching?	•			MP30234 / MA13088 Soil MP30077 / MA13018 EB
Stage 2 Review: Samples - Lab qualifiers?	•			
Stage 2 Review: Calibration - ICAL? $R^2 \geq 0.99$	•			
Stage 2 Review: Calibration - ICV? [90-110%R or 10%D]	•			
Stage 2 Review: Calibration - CCV? [90-110%R or 10%D]	•			
Stage 2 Review: Low/High Level Standard [80-120%R]	•			
Stage 2 Review: ICSA [80-120%R or ABS value<LOD]	•			
Stage 2 Review: ICSAB [80-120%R or ABS value<LOD]	•			
Stage 2 Review: Blank - Method blank? [<DL]	•			
Stage 2 Review: Blank - Equipment blank? [<DL]	•			
Stage 2 Review: Precision/Accuracy - MS/MSD? [20 RPD 81-112%R Soil 86-113% EB]	•			The MS/MSD and post digestion spike %R were out of criteria in the MS/MSD prepared from sample FA31884-1 due to the amount of lead in the parent sample greater than 4X the spike amount. No qualifiers are required.
Stage 2 Review: Precision/Accuracy - Post Digestion Spike? [80-120%R]	•			See MS/MSD comment above.
Stage 2 Review: Precision/Accuracy - Serial Dilution? [90-110%R or 10%D]	•			
Stage 2 Review: Precision/Accuracy - LCS/LCSD? [20 RPD 81-112%R Soil 86-113% EB]	•			
Stage 2 Review: Quantitation - PQLs? [225 mg/kg (ROD Range); LOD 0.2 LOQ 1.0 mg/kg]	•			DL 0.1, LOD is 0.4; LOQ is 2 mg/kg (note - all samples and QC samples analyzed at 5X dilution; all samples were reported > LOQ)
Stage 2 Review: Quantitation - Dilution Factor?	•			
Stage 2 Review: Quantitation - Results (i.e. correct analytes)?	•			
Stage 2 Review: Field Duplicates - RPD within limits? [RPD≤40]		•		See outlier report.

Automated Data Review Detail Report for FA31884

Fort Ord_Basewide Range Assessment Spring 2016

Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California



Review Questions

Method: SW8330: for Soil and Aqueous EB				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	•			
Stage 2 Review: COC - Temperature/Condition?	•			
Stage 2 Review: COC - Receipt anomalies?	•			
Stage 2 Review: COC - Sample/Methods checked?	•			
Stage 2 Review: Case Narrative - Anomalies?	•			
Stage 2 Review: Samples - Collection date?	•			3/2/2016
Stage 2 Review: Samples - Extraction date?	•			Soil 3/16/2016 EB 3/8/2016
Stage 2 Review: Samples - Analysis date?	•			Soil 3/18/2016 EB 3/15/2016
Stage 2 Review: Samples - Holding time (Prep/Analysis)? [Soil 14/40 days; EB 7/40 days]	•			
Stage 2 Review: Samples - Batching?	•			Soil OP59727 / GBB1426 EB OP59619 / GBB1423
Stage 2 Review: Samples - Surrogate recoveries?[3,4-DNT 69-134%R Soil; 70-136%R EB]	•			
Stage 2 Review: Samples - Lab qualifiers?	•			
Stage 2 Review: Calibration - ICAL? [RSD≤15; r ² ≥0.99]	•			
Stage 2 Review: Calibration - ICV? [%D≤20]	•			
Stage 2 Review: Calibration - CCV? [%D≤20]	•			
Stage 2 Review: Blank - Method blank? [<DL]	•			
Stage 2 Review: Blank - Equipment blank?	•			
Stage 2 Review: Precision/Accuracy - MS/MSD? [DoD QSM 5.0 limits]	•			
Stage 2 Review: Precision/Accuracy - LCS/LCSD? [DoD QSM 5.0 limits]	•			
Stage 2 Review: Quantitation - PQLs? [See Worksheet #15 of QAPP]	•			Lab meets all limits for a 1X analysis. All results were ND with no elevated limits.
Stage 2 Review: Quantitation - Dilution Factor?	•			
Stage 2 Review: Quantitation - Results (i.e. correct analytes)?	•			
Stage 2 Review: Quantitation - Confirmation RPD≤40?			•	Sample results were all ND
Stage 2 Review: Field Duplicates - RPD within limits?	•			

Fort Ord_Basewide Range Assessment Spring 2016
Field Duplicate Report By SDG
 BRA with KEMRON
 Units 1,2,3,7,10,33,WGBASampWP
 Field Duplicates for SDG: FA31884



Location		Analysis								
01-09		SW8330B								
Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check	
01-09SC0000 / 01-09SC0000Q	FA31884-20 / FA31884-21	2,4,6-Trinitrotoluene	ND	ND	99.0	NA	40	NA	OK	
01-09SC0000 / 01-09SC0000Q	FA31884-20 / FA31884-21	Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	ND	ND	99.0	NA	40	NA	OK	
01-09SC0000 / 01-09SC0000Q	FA31884-20 / FA31884-21	Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	ND	ND	99.0	NA	40	NA	OK	

Location		Analysis								
03-08		SW6010C								
Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check	
03-08SC0000 / 03-08SC0000Q	FA31884-1A / FA31884-2	Lead	159	86.2	1.90	59.4	40	Out	NA	

FD = Field Duplicate
 RL = Reporting Limit
 RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil



Qualified Results Table

Lab Sample ID	Sample ID	Sample Collection Date	Type	Method	Parameter	Original Value	Qualifier	New Value	Bias	MDL	RL	Units	Reason
FA31884-1A	03-08SC0000	3/2/2016	SO-N	SW6010C	Lead	159	J	159 J		0.096	1.9	MG/KG	D5
FA31884-2	03-08SC0000Q	3/2/2016	SO-FD	SW6010C	Lead	86.2	J	86.2 J		0.092	1.8	MG/KG	D5

Matrix / Sample Type

Matrix	Matrix Description	Sample Code	Sample Code Description
SO	SOIL	FD	Field Duplicate
SO	SOIL	N	Normal

Data Qualifier Definitions

Flag	Description
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.

Reason and Comment Code Definitions

Code	Description
D5	Field duplicate precision

AUTOMATED DATA REVIEW SUMMARY for FA31672

Facility: Fort Ord

Guidance Document: Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California

Contract Laboratory: Accutest Laboratories, Orlando, FL

Field Contractor:

Data Review Contractor:

SDG: FA31672, Certified - 4/14/2016 by nfarmer

QC Level: S2BVEM

Project Manager: Erin Caruso

Data Reviewer: Peggy Cota

Data Reviewer Title: Project Chemist

Date of Review Report: May 11, 2016

Second Reviewer: Eric Middleditch

Completion Date of Second Reviewer:

Samples Included in SDG FA31672

Analytical Method/ Leach Method	Normal Soil Samples	Normal Water Samples	Field QC Soil Samples	Field QC Water Samples
SW6010C/NONE	8	0	1	1

AUTOMATED DATA REVIEW SUMMARY for FA' % +&

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by ; analyses were performed by Accutest Laboratories, Orlando, FL and were reported under sample delivery group (SDG) . Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- Equipment Blank
- Field Duplicate
- Lab Replicate RPD
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Surrogate
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Field Blank
- Initial Calibration Curve
- Initial Calibration Verification
- Instrument performance
- Internal Standards
- Material Blank
- Negative Blank
- Trip Blank
- ICP Metal QC: Serial Dilution, Post Digestion Spike and Interference Check Sample

AUTOMATED DATA REVIEW SUMMARY for FA31672

A minimum of ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 0 results (0.00%) out of the 10 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

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BcbY"

Peggy Cota

Released by Peggy Cota, Project Chemist

Eric Middleditch

Released by Eric Middleditch

11-May-2016

AUTOMATED DATA REVIEW SUMMARY for FA31672

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B1	The analyte was found in an associated method blank.
B2	Calibration Blank
B3	Calibration Blank - Negative
B4	Negative Blank
B5	The analyte was found in an associated blank as well as in the sample.
C10	Continuing Calibration Verification RRF
C11	Continuing Calibration Verification percent recovery, percent difference, or percent drift
C12	Low Level Continuing Calibration Verification was outside control limits
D1	Lab Replicate RPD
D2	MS RPD exceeded established criteria.
D4	No precision available
D5	Field duplicate precision
D6	RPD of laboratory control sample exceeded criteria
D7	Field Duplicate not usable
E	Exceeds LinearCalibration Range
F	Hydrocarbon pattern does not match standard
G	Initial Calibration RRF
G1	Initial Calibration RSD
G2	Initial Calibration Verification percent recovery, percent difference, or percent drift
G3	r2 values < 0.990 in the ICAL
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
G5	Initial Calibration out for metals/inorganics
H1	Test Hold Time
H2	Prep Hold Time

AUTOMATED DATA REVIEW SUMMARY for FA31672

Reason and Comment Code Definitions

Reasons	
Code	Definition
I	Internal standard
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
K1	Detected in the associated equipment rinsate blank.
K2	Detected in the associated field (i.e., ambient) blank.
K3	Detected in the associated trip blank.
K4	Detected in the associated storage blank
K5	Detected in the associated source blank
L	Percent recovery of laboratory control sample recovery was outside established limits
L1	A common laboratory artifact was detected in the sample at a concentration less than 10X the concentration detected in the associated method blank. (Negative)
M	Matrix spike recovery was outside established criteria.
M1	Minimum matrix spike frequency was not attained
N	Blank - No Action
O	Interference check sample
P	Sample preservation/collection requirement not met.
P1	Column or detector RPD
P2	Improper preparation/extraction
Q1	Material Blank
S	Surrogate recovery out of criteria (upper or lower limit)
S1	Sample less than 50% solids
T	Receipt Temperature
T2	RSD of lab triplicate out
TI	Tentatively Identified Compound
TR	Trace Level Detect
V	Sample Receipt Condition
W	Column breakdown (pesticides)

AUTOMATED DATA REVIEW SUMMARY for FA31672

Reason and Comment Code Definitions

Reasons	
Code	Definition
X	Raised reporting limit
X1	Unresolved Isomers; no peak separation
X2	Qualified due to professional judgment, see data validation narrative.
Y	Analyte not confirmed on second column
Y1	False Positive
Y2	Sum of species greater than total result
Z	Data rejected due to radiological anomalies
Z1	Data rejected, more valid data available

Flag Code and Definitions

Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for FA31672

Batch Report

Test Method: SW6010C; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
MA12998	MP30039	NA	FIELDQC	WQ	02-ER04SC	FA31672-27	MA12998	1/1	23-Feb-2016 2:36 PM	29-Feb-2016 8:45 AM	29-Feb-2016 1:42 PM	EB
	MP30039	NA	LABQC	WQ	LABQC	MP30039-B1	MA12998	1/1	29-Feb-2016 8:45 AM	29-Feb-2016 8:45 AM	29-Feb-2016 11:43 AM	BS
	MP30039	NA	LABQC	WQ	LABQC	MP30039-MB1	MA12998	1/1	29-Feb-2016 8:45 AM	29-Feb-2016 8:45 AM	29-Feb-2016 11:39 AM	LB
MA13075	MP30207	NA	02-32	SO	02-32SC0000	FA31672-1	MA13075	1/5	23-Feb-2016 11:25 AM	05-Apr-2016 9:53 AM	05-Apr-2016 4:21 PM	N
	MP30207	NA	02-41	SO	02-41SC0000	FA31672-5	MA13075	1/5	23-Feb-2016 11:00 AM	05-Apr-2016 9:53 AM	05-Apr-2016 4:25 PM	N
	MP30207	NA	02-41	SO	02-41SC0000Q	FA31672-6	MA13075	1/5	23-Feb-2016 11:00 AM	05-Apr-2016 9:53 AM	05-Apr-2016 4:30 PM	FD
	MP30207	NA	02-42	SO	02-42SC0000	FA31672-9	MA13075	1/5	23-Feb-2016 8:55 AM	05-Apr-2016 9:53 AM	05-Apr-2016 4:34 PM	N
	MP30207	NA	02-43	SO	02-43SC0000	FA31672-12	MA13075	1/5	23-Feb-2016 10:00 AM	05-Apr-2016 9:53 AM	05-Apr-2016 4:39 PM	N
	MP30207	NA	02-50	SO	02-50SC0000	FA31672-15	MA13075	1/5	23-Feb-2016 8:45 AM	05-Apr-2016 9:53 AM	05-Apr-2016 4:43 PM	N
	MP30207	NA	LABQC	SQ	LABQC	MP30207-B1	MA13075	1/5	05-Apr-2016 9:53 AM	05-Apr-2016 9:53 AM	05-Apr-2016 2:41 PM	BS
	MP30207	NA	LABQC	SQ	LABQC	MP30207-MB1	MA13075	1/5	05-Apr-2016 9:53 AM	05-Apr-2016 9:53 AM	05-Apr-2016 2:36 PM	LB
MA13079	MP30214	NA	02-33	SO	02-33SC0000	FA31672-24	MA13079	1/5	23-Feb-2016 1:50 PM	06-Apr-2016 10:13 AM	06-Apr-2016 5:03 PM	N
	MP30214	NA	02-73	SO	02-73SC0000	MP30214-D1	MA13079	1/5	23-Feb-2016 10:15 AM	06-Apr-2016 10:13 AM	06-Apr-2016 4:32 PM	LR
	MP30214	NA	02-73	SO	02-73SC0000	MP30214-S1	MA13079	1/5	23-Feb-2016 10:15 AM	06-Apr-2016 10:13 AM	06-Apr-2016 4:50 PM	MS
	MP30214	NA	02-73	SO	02-73SC0000	FA31672-18	MA13079	1/5	23-Feb-2016 10:15 AM	06-Apr-2016 10:13 AM	06-Apr-2016 4:28 PM	N
	MP30214	NA	02-73	SO	02-73SC0000	MP30214-S2	MA13079	1/5	23-Feb-2016 10:15 AM	06-Apr-2016 10:13 AM	06-Apr-2016 4:54 PM	SD
	MP30214	NA	02-74	SO	02-74SC0000	FA31672-21	MA13079	1/5	23-Feb-2016 9:35 AM	06-Apr-2016 10:13 AM	06-Apr-2016 4:58 PM	N
	MP30214	NA	LABQC	SQ	LABQC	MP30214-B1	MA13079	1/5	06-Apr-2016 10:13 AM	06-Apr-2016 10:13 AM	06-Apr-2016 4:15 PM	BS
	MP30214	NA	LABQC	SQ	LABQC	MP30214-MB1	MA13079	1/5	06-Apr-2016 10:13 AM	06-Apr-2016 10:13 AM	06-Apr-2016 4:10 PM	LB

AUTOMATED DATA REVIEW SUMMARY for FA31672

Field Batch Report

Test Method: SW6010C

Leach Method: NONE

EBLOT	TBLOT	ABLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
23021601			FIELDQC	WQ	02-ER04SC	FA31672-27	2/23/2016 2:36:00 PM	EB
23021601			02-32	SO	02-32SC0000	FA31672-1	2/23/2016 11:25:00 AM	N
23021601			02-33	SO	02-33SC0000	FA31672-24	2/23/2016 1:50:00 PM	N

AUTOMATED DATA REVIEW SUMMARY for FA31672

QC Outlier Report

Test/Prep	QC Element	Sample ID	Run# / Dil'n	Analyte	Result	Units	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
SW6010C / SW3050B	Blank	MP30214-MB1 (LB)	1 / 5.00	Lead	0.130	MG/KG	U/None	< 0.1	< 2	B1			

AUTOMATED DATA REVIEW SUMMARY for FA31672

Qualified Results

--No Records Found--

Detected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	02-32SC0000	N	Lead	1.9	6.8	6.8	MG/KG	
SW6010C/NONE	SO	02-33SC0000	N	Lead	1.9	12.3	12.3	MG/KG	
SW6010C/NONE	SO	02-41SC0000	N	Lead	1.9	36.5	36.5	MG/KG	
SW6010C/NONE	SO	02-41SC0000Q	FD	Lead	2.0	26.5	26.5	MG/KG	
SW6010C/NONE	SO	02-42SC0000	N	Lead	1.9	19.2	19.2	MG/KG	
SW6010C/NONE	SO	02-43SC0000	N	Lead	2.0	27.2	27.2	MG/KG	
SW6010C/NONE	SO	02-50SC0000	N	Lead	1.9	39.3	39.3	MG/KG	
SW6010C/NONE	SO	02-73SC0000	N	Lead	1.9	37.2	37.2	MG/KG	
SW6010C/NONE	SO	02-74SC0000	N	Lead	1.9	15.0	15.0	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for FA31672

Rejected Results

--No Records Found--

Anomalies Count

--No Records Found--

Automated Data Review Detail Report for FA31672

Fort Ord_Basewide Range Assessment Spring 2016

Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California



Review Questions

Method:SW6010C Soil and aqueous EB				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	.			
Stage 2 Review: COC - Temperature/Condition?	.			
Stage 2 Review: COC - Receipt anomalies?	.			
Stage 2 Review: COC - Sample/Methods checked?	.			
Stage 2 Review: Case Narrative - Anomalies?	.			Post digestion Spike out due to high levels of lead in sample spiked (sample 1)
Stage 2 Review: Samples - Collection date?	.			2/23/2016
Stage 2 Review: Samples - Extraction date?	.			4/5;6/2016 Soil; 2/29/2016 EB
Stage 2 Review: Samples - Analysis date?	.			4/5;6/2016 Soil; 2/29/2016 EB
Stage 2 Review: Samples - Holding time? [180 days]	.			
Stage 2 Review: Samples - Batching?	.			MP30207 / MA13075; MP30214 / MA13079 Soil; MP30039 / MA12998 EB
Stage 2 Review: Samples - Lab qualifiers?	.			none
Stage 2 Review: Calibration - ICAL? $R^2 \geq 0.99$.			
Stage 2 Review: Calibration - ICV? [90-110%R or 10%D]	.			
Stage 2 Review: Calibration - CCV? [90-110%R or 10%D]	.			
Stage 2 Review: Low/High Level Standard [80-120%R]	.			The low level standard was out of the criteria of 80-120% at 124% for analytical batch MA13079. Since the associated sample results were at least 5X greater than the LOQ no qualifiers were required.
Stage 2 Review:ICSA [80-120%R or ABS value<LOD]	.			
Stage 2 Review:ICSAB [80-120%R or ABS value<LOD]	.			
Stage 2 Review: Blank - Method blank? [<DL]	.			Trace lead present in MB from batch MB30214; sample results all >LOQ; no qualifiers required (see QC Outlier Report).
Stage 2 Review: Blank - Equipment blank? [<DL]	.			
Stage 2 Review: Precision/Accuracy - MS/MSD? [20 RPD 81-112%R Soil 86-113% EB]	.			non-sdg - RPD ok; project spike FA31672-18 ok
Stage 2 Review: Precision/Accuracy - Post Digestion Spike? [80-120%R]	.			Post digestion spike for FA31672-18 out due to high levels of lead in sample relative to amount spiked. No qualifiers required
Stage 2 Review: Precision/Accuracy - Serial Dilution? [90-110%R or 10%D]	.			Serial dilution for FA31672-18
Stage 2 Review: Precision/Accuracy - LCS/LCSD? [20 RPD 81-112%R Soil 86-113% EB]	.			
Stage 2 Review: Quantitation - PQLs? [225 mg/kg (ROD Range); LOD 0.2 LOQ 1.0 mg/kg]	.			DL 0.1, LOD is 0.4; LOQ is 2 mg/kg (note - all samples and QC samples analyzed at 5X dilution; all samples were reported > LOQ)
Stage 2 Review: Quantitation - Dilution Factor?	.			
Stage 2 Review: Quantitation - Results (i.e. correct analytes)?	.			
Stage 2 Review: Field Duplicates - RPD within limits? [RPD≤40]	.			samples 5/6

Fort Ord_Basewide Range Assessment Spring 2016

Field Duplicate Report By SDG

BRA with KEMRON

Units 1,2,3,7,10,33,WGBASampWP

Field Duplicates for SDG: FA31672



Location **Analysis**
02-41 SW6010C

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
02-41SC0000 / 02-41SC0000Q	FA31672-5 / FA31672-6	Lead	36.5	26.5	1.90	31.7	40	OK	NA

FD = Field Duplicate
RL = Reporting Limit
RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil

AUTOMATED DATA REVIEW SUMMARY for FA31671

Facility: Fort Ord

Guidance Document: Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California , January 2016

Contract Laboratory: Accutest Laboratories, Orlando, FL

Field Contractor:

Data Review Contractor:

SDG: FA31671, Certified - 4/14/2016 by nfarmer

QC Level: S2BVEM

Project Manager: Erin Caruso

Data Reviewer: Peggy Cota

Data Reviewer Title: Project Chemist

Date of Review Report: May 10, 2016

Second Reviewer: Eric Middleditch

Completion Date of Second Reviewer:

Samples Included in SDG FA31671

Analytical Method/ Leach Method	Normal Soil Samples	Normal Water Samples	Field QC Soil Samples	Field QC Water Samples
SW6010C/NONE	11	0	1	1

AUTOMATED DATA REVIEW SUMMARY for FA31671

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by ; analyses were performed by Accutest Laboratories, Orlando, FL and were reported under sample delivery group (SDG) . Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- Equipment Blank
- Field Duplicate
- Lab Replicate RPD
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Surrogate
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Field Blank
- Initial Calibration Curve
- Initial Calibration Verification
- Instrument performance
- Internal Standards
- Material Blank
- Negative Blank
- Trip Blank
- ICP Metal QC: Serial Dilution, Post Digestion Spike and Interference Check Sample

AUTOMATED DATA REVIEW SUMMARY for FA31671

A minimum of ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 0 results (0.00%) out of the 13 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

None.

Peggy Cota

Released by Peggy Cota, Project Chemist

10-May-2016

Eric Middleditch

Released by Eric Middleditch

AUTOMATED DATA REVIEW SUMMARY for FA31671

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B1	The analyte was found in an associated method blank.
B2	Calibration Blank
B3	Calibration Blank - Negative
B4	Negative Blank
B5	The analyte was found in an associated blank as well as in the sample.
C10	Continuing Calibration Verification RRF
C11	Continuing Calibration Verification percent recovery, percent difference, or percent drift
C12	Low Level Continuing Calibration Verification was outside control limits
D1	Lab Replicate RPD
D2	MS RPD exceeded established criteria.
D4	No precision available
D5	Field duplicate precision
D6	RPD of laboratory control sample exceeded criteria
D7	Field Duplicate not usable
E	Exceeds LinearCalibration Range
F	Hydrocarbon pattern does not match standard
G	Initial Calibration RRF
G1	Initial Calibration RSD
G2	Initial Calibration Verification percent recovery, percent difference, or percent drift
G3	r2 values < 0.990 in the ICAL
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
G5	Initial Calibration out for metals/inorganics
H1	Test Hold Time
H2	Prep Hold Time

AUTOMATED DATA REVIEW SUMMARY for FA31671

Reason and Comment Code Definitions

Reasons	
Code	Definition
I	Internal standard
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
K1	Detected in the associated equipment rinsate blank.
K2	Detected in the associated field (i.e., ambient) blank.
K3	Detected in the associated trip blank.
K4	Detected in the associated storage blank
K5	Detected in the associated source blank
L	Percent recovery of laboratory control sample recovery was outside established limits
L1	A common laboratory artifact was detected in the sample at a concentration less than 10X the concentration detected in the associated method blank. (Negative)
M	Matrix spike recovery was outside established criteria.
M1	Minimum matrix spike frequency was not attained
N	Blank - No Action
O	Interference check sample
P	Sample preservation/collection requirement not met.
P1	Column or detector RPD
P2	Improper preparation/extraction
Q1	Material Blank
S	Surrogate recovery out of criteria (upper or lower limit)
S1	Sample less than 50% solids
T	Receipt Temperature
T2	RSD of lab triplicate out
TI	Tentatively Identified Compound
TR	Trace Level Detect
V	Sample Receipt Condition
W	Column breakdown (pesticides)

AUTOMATED DATA REVIEW SUMMARY for FA31671

Reason and Comment Code Definitions

Reasons	
Code	Definition
X	Raised reporting limit
X1	Unresolved Isomers; no peak separation
X2	Qualified due to professional judgment, see data validation narrative.
Y	Analyte not confirmed on second column
Y1	False Positive
Y2	Sum of species greater than total result
Z	Data rejected due to radiological anomalies
Z1	Data rejected, more valid data available

Flag Code and Definitions

Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for FA31671

Batch Report

Test Method: SW6010C; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
MA12998	MP30039	NA	FIELDQC	WQ	02-ER03SC	FA31671-37	MA12998	1/1	22-Feb-2016 3:25 PM	29-Feb-2016 8:45 AM	29-Feb-2016 1:38 PM	EB
	MP30039	NA	LABQC	WQ	LABQC	MP30039-B1	MA12998	1/1	29-Feb-2016 8:45 AM	29-Feb-2016 8:45 AM	29-Feb-2016 11:43 AM	BS
	MP30039	NA	LABQC	WQ	LABQC	MP30039-MB1	MA12998	1/1	29-Feb-2016 8:45 AM	29-Feb-2016 8:45 AM	29-Feb-2016 11:39 AM	LB
MA13075	MP30207	NA	02-48	SO	02-48SC0000	MP30207-D1	MA13075	1/5	22-Feb-2016 9:18 AM	05-Apr-2016 9:53 AM	05-Apr-2016 2:50 PM	LR
	MP30207	NA	02-48	SO	02-48SC0000	MP30207-S1	MA13075	1/5	22-Feb-2016 9:18 AM	05-Apr-2016 9:53 AM	05-Apr-2016 3:07 PM	MS
	MP30207	NA	02-48	SO	02-48SC0000	FA31671-1	MA13075	1/5	22-Feb-2016 9:18 AM	05-Apr-2016 9:53 AM	05-Apr-2016 2:45 PM	N
	MP30207	NA	02-48	SO	02-48SC0000	MP30207-S2	MA13075	1/5	22-Feb-2016 9:18 AM	05-Apr-2016 9:53 AM	05-Apr-2016 3:11 PM	SD
	MP30207	NA	02-49	SO	02-49SC0000	FA31671-5	MA13075	1/5	22-Feb-2016 10:12 AM	05-Apr-2016 9:53 AM	05-Apr-2016 3:15 PM	N
	MP30207	NA	02-51	SO	02-51SC0000	FA31671-33	MA13075	1/5	22-Feb-2016 2:30 PM	05-Apr-2016 9:53 AM	05-Apr-2016 4:03 PM	N
	MP30207	NA	02-52	SO	02-52SC0000	FA31671-8	MA13075	1/5	22-Feb-2016 11:25 AM	05-Apr-2016 9:53 AM	05-Apr-2016 3:29 PM	N
	MP30207	NA	02-53	SO	02-53SC0000	FA31671-22	MA13075	1/5	22-Feb-2016 1:45 PM	05-Apr-2016 9:53 AM	05-Apr-2016 3:46 PM	N
	MP30207	NA	02-53	SO	02-53SC0000Q	FA31671-24	MA13075	1/5	22-Feb-2016 1:45 PM	05-Apr-2016 9:53 AM	05-Apr-2016 3:50 PM	FD
	MP30207	NA	02-69	SO	02-69SC0000	FA31671-26	MA13075	1/5	22-Feb-2016 2:35 PM	05-Apr-2016 9:53 AM	05-Apr-2016 3:55 PM	N
	MP30207	NA	02-70	SO	02-70SC0000	FA31671-38	MA13075	1/5	22-Feb-2016 3:15 PM	05-Apr-2016 9:53 AM	05-Apr-2016 4:08 PM	N
	MP30207	NA	02-71	SO	02-71SC0000	FA31671-11	MA13075	1/5	22-Feb-2016 9:25 AM	05-Apr-2016 9:53 AM	05-Apr-2016 3:33 PM	N
	MP30207	NA	02-72	SO	02-72SC0000	FA31671-15	MA13075	1/5	22-Feb-2016 10:20 AM	05-Apr-2016 9:53 AM	05-Apr-2016 3:37 PM	N
	MP30207	NA	02-75	SO	02-75SC0000	FA31671-18	MA13075	1/5	22-Feb-2016 11:03 AM	05-Apr-2016 9:53 AM	05-Apr-2016 3:42 PM	N
	MP30207	NA	02-76	SO	02-76SC0000	FA31671-29	MA13075	1/5	22-Feb-2016 1:35 PM	05-Apr-2016 9:53 AM	05-Apr-2016 3:59 PM	N
	MP30207	NA	LABQC	SQ	LABQC	MP30207-B1	MA13075	1/5	05-Apr-2016 9:53 AM	05-Apr-2016 9:53 AM	05-Apr-2016 2:41 PM	BS
	MP30207	NA	LABQC	SQ	LABQC	MP30207-MB1	MA13075	1/5	05-Apr-2016 9:53 AM	05-Apr-2016 9:53 AM	05-Apr-2016 2:36 PM	LB

AUTOMATED DATA REVIEW SUMMARY for FA31671

Field Batch Report

Test Method: SW6010C		Leach Method: NONE						
EBLOT	TBLOT	ABLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
22021601			FIELDQC	WQ	02-ER03SC	FA31671-37	2/22/2016 3:25:00 PM	EB
22021601			02-51	SO	02-51SC0000	FA31671-33	2/22/2016 2:30:00 PM	N
22021601			02-70	SO	02-70SC0000	FA31671-38	2/22/2016 3:15:00 PM	N

QC Outlier Report

--No Records Found--

Qualified Results

--No Records Found--

Detected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	02-48SC0000	N	Lead	1.9	60.8	60.8	MG/KG	
SW6010C/NONE	SO	02-49SC0000	N	Lead	1.9	11.6	11.6	MG/KG	
SW6010C/NONE	SO	02-51SC0000	N	Lead	1.8	16.9	16.9	MG/KG	
SW6010C/NONE	SO	02-52SC0000	N	Lead	1.9	40.5	40.5	MG/KG	
SW6010C/NONE	SO	02-53SC0000	N	Lead	1.9	15.0	15.0	MG/KG	
SW6010C/NONE	SO	02-53SC0000Q	FD	Lead	1.9	19.9	19.9	MG/KG	
SW6010C/NONE	SO	02-69SC0000	N	Lead	1.9	73.3	73.3	MG/KG	
SW6010C/NONE	SO	02-70SC0000	N	Lead	1.9	22.7	22.7	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for FA31671

Detected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	02-71SC0000	N	Lead	1.8	22.5	22.5	MG/KG	
SW6010C/NONE	SO	02-72SC0000	N	Lead	1.9	38.6	38.6	MG/KG	
SW6010C/NONE	SO	02-75SC0000	N	Lead	2.0	23.6	23.6	MG/KG	
SW6010C/NONE	SO	02-76SC0000	N	Lead	1.9	34.6	34.6	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for FA31671

Rejected Results

--No Records Found--

Anomalies Count

--No Records Found--

Reporting Anomalies

--No Records Found--

Automated Data Review Detail Report for FA31671

Fort Ord_Basewide Range Assessment Spring 2016

Review Questions

Method:SW6010C Soil and aqueous EB

Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	.			
Stage 2 Review: COC - Temperature/Condition?	.			
Stage 2 Review: COC - Receipt anomalies?	.			
Stage 2 Review: COC - Sample/Methods checked?	.			
Stage 2 Review: Case Narrative - Anomalies?	.			MS/MSD %R recoveries out due to level of lead in sample relative to spike level
Stage 2 Review: Samples - Collection date?	.			2/22/2016
Stage 2 Review: Samples - Extraction date?	.			4/5/2016 Soil: 2/29/16 EB
Stage 2 Review: Samples - Analysis date?	.			4/5/2016: 2/29/16 EB
Stage 2 Review: Samples - Holding time? [180 days]	.			
Stage 2 Review: Samples - Batching?	.			MP30207 / MA13075 Soil; MP30039 / MA12998
Stage 2 Review: Samples - Lab qualifiers?	.			none
Stage 2 Review: Calibration - ICAL? $R^2 \geq 0.99$.			
Stage 2 Review: Calibration - ICV? [90-110%R or 10%D]	.			
Stage 2 Review: Calibration - CCV? [90-110%R or 10%D]	.			
Stage 2 Review: Low/High Level Standard [80-120%R]	.			
Stage 2 Review: ICSA [80-120%R or ABS value<LOD]	.			
Stage 2 Review: ICSAB [80-120%R or ABS value<LOD]	.			
Stage 2 Review: Blank - Method blank? [<DL]	.			
Stage 2 Review: Blank - Equipment blank? [<DL]	.			
Stage 2 Review: Precision/Accuracy - MS/MSD? [20 RPD 81-112%R Soil 86-113% EB]	.			The recoveries for lead in soil MS/MSD and post digestion spike from FA31671-1 are out of the criteria due to level of lead in the sample greater than 4X the spike amount - no qualifiers are required.
Stage 2 Review: Precision/Accuracy - Post Digestion Spike? [80-120%R]	.			Out of criteria - see comment above in MS/MSD
Stage 2 Review: Precision/Accuracy - Serial Dilution? [90-110%R or 10%D]	.			
Stage 2 Review: Precision/Accuracy - LCS/LCSD? [20 RPD 81-112%R Soil 86-113% EB]	.			
Stage 2 Review: Quantitation - PQLs? [225 mg/kg (ROD Range); LOD 0.2 LOQ 1.0 mg/kg]	.			DL 0.1, LOD is 0.4; LOQ is 2 mg/kg (note - all samples and QC samples analyzed at 5X dilution; all samples were reported > LOQ)
Stage 2 Review: Quantitation - Dilution Factor?	.			
Stage 2 Review: Quantitation - Results (i.e. correct analytes)?	.			
Stage 2 Review: Field Duplicates - RPD within limits? [RPD≤40]	.			samples 22/24

Fort Ord_Basewide Range Assessment Spring 2016

Field Duplicate Report By SDG

BRA with KEMRON

Units 1,2,3,7,10,33,WGBASampWP

Field Duplicates for SDG: FA31671



Location **Analysis**
02-53 SW6010C

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
02-53SC0000 / 02-53SC0000Q	FA31671-22 / FA31671-24	Lead	15.0	19.9	1.90	28.1	40	OK	NA

FD = Field Duplicate
RL = Reporting Limit
RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil

AUTOMATED DATA REVIEW SUMMARY for FA31670

Facility: Fort Ord

Guidance Document: Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California, January 2016

Contract Laboratory: Accutest Laboratories, Orlando, FL

Field Contractor:

Data Review Contractor:

SDG: FA31670, Certified - 4/14/2016 by nfarmer

QC Level: S2BVEM

Project Manager: Erin Caruso

Data Reviewer: Peggy Cota

Data Reviewer Title: Project Chemist

Date of Review Report: May 10, 2016

Second Reviewer: Eric Middleditch

Completion Date of Second Reviewer:

Samples Included in SDG FA31670

Analytical Method/ Leach Method	Normal Soil Samples	Normal Water Samples	Field QC Soil Samples	Field QC Water Samples
SW6010C/NONE	7	0	1	1

AUTOMATED DATA REVIEW SUMMARY for FA31670

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by ; analyses were performed by Accutest Laboratories, Orlando, FL and were reported under sample delivery group (SDG) . Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- Equipment Blank
- Field Duplicate
- LCS Recovery
- Prep Hold Time
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verifications
- Field Blank
- Initial Calibration Summary and Verification
- Lab Replicate RPD
- Material Blank
- MS Recovery
- MS RPD
- Negative Blank
- Surrogate
- Trip Blank
- ICP Metal: QC: Serial Dilution, Post Digestion Spike and Interference Check Sample

AUTOMATED DATA REVIEW SUMMARY for FA31670

A minimum of ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 2 results (22.22%) out of the 9 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

None.

Peggy Cota

Released by Peggy Cota, Project Chemist

Eric Middleditch

Released by Eric Middleditch

10-May-2016

AUTOMATED DATA REVIEW SUMMARY for FA31670

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B1	The analyte was found in an associated method blank.
B2	Calibration Blank
B3	Calibration Blank - Negative
B4	Negative Blank
B5	The analyte was found in an associated blank as well as in the sample.
C10	Continuing Calibration Verification RRF
C11	Continuing Calibration Verification percent recovery, percent difference, or percent drift
C12	Low Level Continuing Calibration Verification was outside control limits
D1	Lab Replicate RPD
D2	MS RPD exceeded established criteria.
D4	No precision available
D5	Field duplicate precision
D6	RPD of laboratory control sample exceeded criteria
D7	Field Duplicate not usable
E	Exceeds LinearCalibration Range
F	Hydrocarbon pattern does not match standard
G	Initial Calibration RRF
G1	Initial Calibration RSD
G2	Initial Calibration Verification percent recovery, percent difference, or percent drift
G3	r2 values < 0.990 in the ICAL
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
G5	Initial Calibration out for metals/inorganics
H1	Test Hold Time
H2	Prep Hold Time

AUTOMATED DATA REVIEW SUMMARY for FA31670

Reason and Comment Code Definitions

Reasons	
Code	Definition
I	Internal standard
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
K1	Detected in the associated equipment rinsate blank.
K2	Detected in the associated field (i.e., ambient) blank.
K3	Detected in the associated trip blank.
K4	Detected in the associated storage blank
K5	Detected in the associated source blank
L	Percent recovery of laboratory control sample recovery was outside established limits
L1	A common laboratory artifact was detected in the sample at a concentration less than 10X the concentration detected in the associated method blank. (Negative)
M	Matrix spike recovery was outside established criteria.
M1	Minimum matrix spike frequency was not attained
N	Blank - No Action
O	Interference check sample
P	Sample preservation/collection requirement not met.
P1	Column or detector RPD
P2	Improper preparation/extraction
Q1	Material Blank
S	Surrogate recovery out of criteria (upper or lower limit)
S1	Sample less than 50% solids
T	Receipt Temperature
T2	RSD of lab triplicate out
TI	Tentatively Identified Compound
TR	Trace Level Detect
V	Sample Receipt Condition
W	Column breakdown (pesticides)

AUTOMATED DATA REVIEW SUMMARY for FA31670

Reason and Comment Code Definitions

Reasons	
Code	Definition
X	Raised reporting limit
X1	Unresolved Isomers; no peak separation
X2	Qualified due to professional judgment, see data validation narrative.
Y	Analyte not confirmed on second column
Y1	False Positive
Y2	Sum of species greater than total result
Z	Data rejected due to radiological anomalies
Z1	Data rejected, more valid data available

Flag Code and Definitions

Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for FA31670

Batch Report

Test Method: SW6010C; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
MA12998	MP30039	NA	FIELDQC	WQ	02-ER02SC	FA31670-1	MA12998	1/1	18-Feb-2016 2:30 PM	29-Feb-2016 8:45 AM	29-Feb-2016 1:33 PM	EB
	MP30039	NA	LABQC	WQ	LABQC	MP30039-B1	MA12998	1/1	29-Feb-2016 8:45 AM	29-Feb-2016 8:45 AM	29-Feb-2016 11:43 AM	BS
	MP30039	NA	LABQC	WQ	LABQC	MP30039-MB1	MA12998	1/1	29-Feb-2016 8:45 AM	29-Feb-2016 8:45 AM	29-Feb-2016 11:39 AM	LB
MA13047	MP30149	NA	02-44	SO	02-44SC0000	FA31670-12	MA13047	1/5	18-Feb-2016 11:15 AM	22-Mar-2016 9:52 AM	22-Mar-2016 4:44 PM	N
	MP30149	NA	02-45	SO	02-45SC0000	FA31670-15	MA13047	1/5	18-Feb-2016 1:15 PM	22-Mar-2016 9:52 AM	22-Mar-2016 4:57 PM	N
	MP30149	NA	02-46	SO	02-46SC0000	FA31670-2	MA13047	1/5	18-Feb-2016 8:40 AM	22-Mar-2016 9:52 AM	22-Mar-2016 4:26 PM	N
	MP30149	NA	02-47	SO	02-47SC0000	FA31670-9	MA13047	1/5	18-Feb-2016 9:35 AM	22-Mar-2016 9:52 AM	22-Mar-2016 4:39 PM	N
	MP30149	NA	02-56	SO	02-56SC0000	FA31670-18	MA13047	1/5	18-Feb-2016 10:15 AM	22-Mar-2016 9:52 AM	22-Mar-2016 5:01 PM	N
	MP30149	NA	02-57	SO	02-57SC0000	FA31670-21	MA13047	1/5	18-Feb-2016 1:10 PM	22-Mar-2016 9:52 AM	22-Mar-2016 5:05 PM	N
	MP30149	NA	02-59	SO	02-59SC0000	FA31670-5	MA13047	1/5	18-Feb-2016 8:45 AM	22-Mar-2016 9:52 AM	22-Mar-2016 4:30 PM	N
	MP30149	NA	02-59	SO	02-59SC0000Q	FA31670-6	MA13047	1/5	18-Feb-2016 8:45 AM	22-Mar-2016 9:52 AM	22-Mar-2016 4:35 PM	FD
	MP30149	NA	LABQC	SQ	LABQC	MP30149-B1	MA13047	1/5	22-Mar-2016 9:52 AM	22-Mar-2016 9:52 AM	22-Mar-2016 2:50 PM	BS
	MP30149	NA	LABQC	SQ	LABQC	MP30149-MB1	MA13047	1/5	22-Mar-2016 9:52 AM	22-Mar-2016 9:52 AM	22-Mar-2016 2:45 PM	LB

AUTOMATED DATA REVIEW SUMMARY for FA31670

Field Batch Report

Test Method: SW6010C

Leach Method: NONE

EBLOT	TBLOT	ABLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
18021601			FIELDQC	WQ	02-ER02SC	FA31670-1	2/18/2016 2:30:00 PM	EB
18021601			02-45	SO	02-45SC0000	FA31670-15	2/18/2016 1:15:00 PM	N
18021601			02-57	SO	02-57SC0000	FA31670-21	2/18/2016 1:10:00 PM	N

AUTOMATED DATA REVIEW SUMMARY for FA31670

QC Outlier Report

Test/Prep	QC Element	Sample ID	Run# / Dil'n	Analyte	Result	Units	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
SW6010C / SW3050B	LCS Recovery	MP30149-B1 (BS)	1 / 5.00	Lead	213	Percent	J/None	81 - 112	50 - 122	L			
SW6010C / SW3050B	FD RPD	02-59SC0000Q FA31670-6	1 / 5.00	Lead	13.7	MG/KG	J/UJ	5.7	5.7	D5			

AUTOMATED DATA REVIEW SUMMARY for FA31670

Qualified Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	02-59SC0000	N	Lead	1.9	13.7	13.7 J	MG/KG	D5
SW6010C/NONE	SO	02-59SC0000Q	FD	Lead	1.9	8.0	8.0 J	MG/KG	D5

AUTOMATED DATA REVIEW SUMMARY for FA31670

Detected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	02-44SC0000	N	Lead	1.8	31.7	31.7	MG/KG	
SW6010C/NONE	SO	02-45SC0000	N	Lead	1.9	32.8	32.8	MG/KG	
SW6010C/NONE	SO	02-46SC0000	N	Lead	1.9	14.1	14.1	MG/KG	
SW6010C/NONE	SO	02-47SC0000	N	Lead	1.9	14.4	14.4	MG/KG	
SW6010C/NONE	SO	02-56SC0000	N	Lead	1.9	35.3	35.3	MG/KG	
SW6010C/NONE	SO	02-57SC0000	N	Lead	1.9	8.6	8.6	MG/KG	
SW6010C/NONE	SO	02-59SC0000	N	Lead	1.9	13.7	13.7 J	MG/KG	D5
SW6010C/NONE	SO	02-59SC0000Q	FD	Lead	1.9	8.0	8.0 J	MG/KG	D5

AUTOMATED DATA REVIEW SUMMARY for FA31670

Rejected Results

--No Records Found--

Anomalies Count

--No Records Found--

Automated Data Review Detail Report for FA31670

Fort Ord Basewide Range Assessment Spring 2016

Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California



Review Questions

Method:SW6010C Soil and aqueous EB				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	•			
Stage 2 Review: COC - Temperature/Condition?	•			
Stage 2 Review: COC - Receipt anomalies?	•			
Stage 2 Review: COC - Sample/Methods checked?	•			
Stage 2 Review: Case Narrative - Anomalies?	•			
Stage 2 Review: Samples - Collection date?	•			2/18/2016
Stage 2 Review: Samples - Extraction date?	•			3/22 soil; 3/29 EB
Stage 2 Review: Samples - Analysis date?	•			3/22 soil; 3/29 EB
Stage 2 Review: Samples - Holding time? [180 days]	•			
Stage 2 Review: Samples - Batching?	•			MP30149 / MA13047 Soil; MP30039 / MA12998 EB
Stage 2 Review: Samples - Lab qualifiers?	•			
Stage 2 Review: Calibration - ICAL? $R^2 \geq 0.99$	•			
Stage 2 Review: Calibration - ICV? [90-110%R or 10%D]	•			
Stage 2 Review: Calibration - CCV? [90-110%R or 10%D]	•			
Stage 2 Review: Low/High Level Standard [80-120%R]	•			
Stage 2 Review: ICSA [80-120%R or ABS value<LOD]	•			
Stage 2 Review: ICSAB [80-120%R or ABS value<LOD]	•			
Stage 2 Review: Blank - Method blank? [<DL]	•			
Stage 2 Review: Blank - Equipment blank? [<DL]	•			
Stage 2 Review: Precision/Accuracy - MS/MSD? [20 RPD 81-112%R Soil 86-113% EB]	•			non project – RPDs ok
Stage 2 Review: Precision/Accuracy - Post Digestion Spike? [80-120%R]	•			non project – RPDs ok
Stage 2 Review: Precision/Accuracy - Serial Dilution? [90-110%R or 10%D]	•			non project – RPDs ok
Stage 2 Review: Precision/Accuracy - LCS/LCSD? [20 RPD 81-112%R Soil 86-113% EB]	•			single LCS
Stage 2 Review: Quantitation - PQLs? [225 mg/kg (ROD Range); LOD 0.2 LOQ 1.0 mg/kg]	•			DL 0.1 and LOD is 0.4 (note - all samples and QC samples analyzed at 5X dilution; all samples were reported > LOQ)
Stage 2 Review: Quantitation - Dilution Factor?	•			
Stage 2 Review: Quantitation - Results (i.e. correct analytes)?	•			
Stage 2 Review: Field Duplicates - RPD within limits? [RPD≤40]	•			out See outlier report

Fort Ord_Basewide Range Assessment Spring 2016

Field Duplicate Report By SDG

BRA with KEMRON

Units 1,2,3,7,10,33,WGBASampWP

Field Duplicates for SDG: FA31670



Location **Analysis**
02-59 SW6010C

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
02-59SC0000 / 02-59SC0000Q	FA31670-5 / FA31670-6	Lead	13.7	8.00	1.90	52.5	40	NA	5.7

FD = Field Duplicate
RL = Reporting Limit
RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil



Qualified Results Table

Lab Sample ID	Sample ID	Sample Collection Date	Type	Method	Parameter	Original Value	Qualifier	New Value	Bias	MDL	RL	Units	Reason
FA31670-5	02-59SC0000	2/18/2016	SO-N	SW6010C	Lead	13.7	J	13.7 J		0.097	1.9	MG/KG	D5
FA31670-6	02-59SC0000Q	2/18/2016	SO-FD	SW6010C	Lead	8.0	J	8.0 J		0.095	1.9	MG/KG	D5

Matrix / Sample Type

Matrix	Matrix Description	Sample Code	Sample Code Description
SO	SOIL	FD	Field Duplicate
SO	SOIL	N	Normal

Data Qualifier Definitions

Flag	Description
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.

Reason and Comment Code Definitions

Code	Description
D5	Field duplicate precision

AUTOMATED DATA REVIEW SUMMARY for FA31669

Facility: Fort Ord

Guidance Document: Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California, January 2016

Contract Laboratory: Accutest Laboratories, Orlando, FL

Field Contractor:

Data Review Contractor:

SDG: FA31669, Certified - 5/19/2016 by nfarmer

QC Level: S2BVEM

Project Manager: Erin Caruso

Data Reviewer: Peggy Cota

Data Reviewer Title: Project Chemist

Date of Review Report: May 20, 2016

Second Reviewer: Eric Middleditch

Completion Date of Second Reviewer:

Samples Included in SDG FA31669

Analytical Method/ Leach Method	Normal Soil Samples	Normal Water Samples	Field QC Soil Samples	Field QC Water Samples
SW6010C/NONE	10	0	1	1

AUTOMATED DATA REVIEW SUMMARY for FA31** -

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by ; analyses were performed by Accutest Laboratories, Orlando, FL and were reported under sample delivery group (SDG) . Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- Equipment Blank
- Field Duplicate
- Lab Replicate RPD
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Surrogate
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Field Blank
- Initial Calibration Curve
- Initial Calibration Verification
- Instrument performance
- Internal Standards
- Material Blank
- Negative Blank
- Trip Blank
- ICP Metal QC: Serial Dilution, Post Digestion Spike and Interference Check Sample

AUTOMATED DATA REVIEW SUMMARY for FA31669

A minimum of ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 2 results (16.67%) out of the 12 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

None.

Peggy Cota

Released by Peggy Cota, Project Chemist

Eric Middleditch

Released by Eric Middleditch

20-May-2016

AUTOMATED DATA REVIEW SUMMARY for FA31669

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B1	The analyte was found in an associated method blank.
B2	Calibration Blank
B3	Calibration Blank - Negative
B4	Negative Blank
B5	The analyte was found in an associated blank as well as in the sample.
C10	Continuing Calibration Verification RRF
C11	Continuing Calibration Verification percent recovery, percent difference, or percent drift
C12	Low Level Continuing Calibration Verification was outside control limits
D1	Lab Replicate RPD
D2	MS RPD exceeded established criteria.
D4	No precision available
D5	Field duplicate precision
D6	RPD of laboratory control sample exceeded criteria
D7	Field Duplicate not usable
E	Exceeds LinearCalibration Range
F	Hydrocarbon pattern does not match standard
G	Initial Calibration RRF
G1	Initial Calibration RSD
G2	Initial Calibration Verification percent recovery, percent difference, or percent drift
G3	r2 values < 0.990 in the ICAL
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
G5	Initial Calibration out for metals/inorganics
H1	Test Hold Time
H2	Prep Hold Time

AUTOMATED DATA REVIEW SUMMARY for FA31669

Reason and Comment Code Definitions

Reasons	
Code	Definition
I	Internal standard
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
K1	Detected in the associated equipment rinsate blank.
K2	Detected in the associated field (i.e., ambient) blank.
K3	Detected in the associated trip blank.
K4	Detected in the associated storage blank
K5	Detected in the associated source blank
L	Percent recovery of laboratory control sample recovery was outside established limits
L1	A common laboratory artifact was detected in the sample at a concentration less than 10X the concentration detected in the associated method blank. (Negative)
M	Matrix spike recovery was outside established criteria.
M1	Minimum matrix spike frequency was not attained
N	Blank - No Action
O	Interference check sample
P	Sample preservation/collection requirement not met.
P1	Column or detector RPD
P2	Improper preparation/extraction
Q1	Material Blank
S	Surrogate recovery out of criteria (upper or lower limit)
S1	Sample less than 50% solids
T	Receipt Temperature
T2	RSD of lab triplicate out
TI	Tentatively Identified Compound
TR	Trace Level Detect
V	Sample Receipt Condition
W	Column breakdown (pesticides)

AUTOMATED DATA REVIEW SUMMARY for FA31669

Reason and Comment Code Definitions

Reasons	
Code	Definition
X	Raised reporting limit
X1	Unresolved Isomers; no peak separation
X2	Qualified due to professional judgment, see data validation narrative.
Y	Analyte not confirmed on second column
Y1	False Positive
Y2	Sum of species greater than total result
Z	Data rejected due to radiological anomalies
Z1	Data rejected, more valid data available

Flag Code and Definitions

Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for FA31669

Batch Report

Test Method: SW6010C; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
MA12998	MP30039	NA	FIELDQC	WQ	02-ER01SC	FA31669-1	MA12998	1/1	17-Feb-2016 8:50 AM	29-Feb-2016 8:45 AM	29-Feb-2016 1:29 PM	EB
	MP30039	NA	LABQC	WQ	LABQC	MP30039-B1	MA12998	1/1	29-Feb-2016 8:45 AM	29-Feb-2016 8:45 AM	29-Feb-2016 11:43 AM	BS
	MP30039	NA	LABQC	WQ	LABQC	MP30039-MB1	MA12998	1/1	29-Feb-2016 8:45 AM	29-Feb-2016 8:45 AM	29-Feb-2016 11:39 AM	LB
MA13047	MP30149	NA	02-01	SO	02-01SC0000	MP30149-D1	MA13047	1/5	17-Feb-2016 9:10 AM	22-Mar-2016 9:52 AM	22-Mar-2016 2:59 PM	LR
	MP30149	NA	02-01	SO	02-01SC0000	MP30149-S1	MA13047	1/5	17-Feb-2016 9:10 AM	22-Mar-2016 9:52 AM	22-Mar-2016 3:25 PM	MS
	MP30149	NA	02-01	SO	02-01SC0000	FA31669-2	MA13047	1/5	17-Feb-2016 9:10 AM	22-Mar-2016 9:52 AM	22-Mar-2016 2:54 PM	N
	MP30149	NA	02-01	SO	02-01SC0000	MP30149-S2	MA13047	1/5	17-Feb-2016 9:10 AM	22-Mar-2016 9:52 AM	22-Mar-2016 3:29 PM	SD
	MP30149	NA	02-02	SO	02-02SC0000	FA31669-6	MA13047	1/5	17-Feb-2016 10:05 AM	22-Mar-2016 9:52 AM	22-Mar-2016 3:34 PM	N
	MP30149	NA	02-03	SO	02-03SC0000	FA31669-12	MA13047	1/5	17-Feb-2016 11:10 AM	22-Mar-2016 9:52 AM	22-Mar-2016 3:42 PM	N
	MP30149	NA	02-54	SO	02-54SC0000	FA31669-24	MA13047	1/5	17-Feb-2016 2:30 PM	22-Mar-2016 9:52 AM	22-Mar-2016 4:09 PM	N
	MP30149	NA	02-55	SO	02-55SC0000	FA31669-29	MA13047	1/5	17-Feb-2016 3:20 PM	22-Mar-2016 9:52 AM	22-Mar-2016 4:22 PM	N
	MP30149	NA	02-58	SO	02-58SC0000	FA31669-25	MA13047	1/5	17-Feb-2016 3:00 PM	22-Mar-2016 9:52 AM	22-Mar-2016 4:13 PM	N
	MP30149	NA	02-58	SO	02-58SC0000Q	FA31669-26	MA13047	1/5	17-Feb-2016 3:00 PM	22-Mar-2016 9:52 AM	22-Mar-2016 4:17 PM	FD
	MP30149	NA	02-60	SO	02-60SC0000	FA31669-21	MA13047	1/5	17-Feb-2016 1:35 PM	22-Mar-2016 9:52 AM	22-Mar-2016 4:04 PM	N
	MP30149	NA	02-61	SO	02-61SC0000	FA31669-18	MA13047	1/5	17-Feb-2016 1:45 PM	22-Mar-2016 9:52 AM	22-Mar-2016 3:51 PM	N
	MP30149	NA	02-62	SO	02-62SC0000	FA31669-9	MA13047	1/5	17-Feb-2016 10:20 AM	22-Mar-2016 9:52 AM	22-Mar-2016 3:38 PM	N
	MP30149	NA	02-63	SO	02-63SC0000	FA31669-15	MA13047	1/5	17-Feb-2016 11:34 AM	22-Mar-2016 9:52 AM	22-Mar-2016 3:47 PM	N
	MP30149	NA	LABQC	SQ	LABQC	MP30149-B1	MA13047	1/5	22-Mar-2016 9:52 AM	22-Mar-2016 9:52 AM	22-Mar-2016 2:50 PM	BS
	MP30149	NA	LABQC	SQ	LABQC	MP30149-MB1	MA13047	1/5	22-Mar-2016 9:52 AM	22-Mar-2016 9:52 AM	22-Mar-2016 2:45 PM	LB

AUTOMATED DATA REVIEW SUMMARY for FA31669

Field Batch Report

Test Method: SW6010C		Leach Method: NONE						
EBLOT	TBLOT	ABLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
17021601			FIELDQC	WQ	02-ER01SC	FA31669-1	2/17/2016 8:50:00 AM	EB
17021601			02-01	SO	02-01SC0000	FA31669-2	2/17/2016 9:10:00 AM	N
17021601			02-01	SO	02-01SC0000	MP30149-D1	2/17/2016 9:10:00 AM	LR
17021601			02-01	SO	02-01SC0000	MP30149-D2	2/17/2016 9:10:00 AM	LR
17021601			02-01	SO	02-01SC0000	MP30149-S1	2/17/2016 9:10:00 AM	MS
17021601			02-01	SO	02-01SC0000	MP30149-S2	2/17/2016 9:10:00 AM	SD
17021601			02-02	SO	02-02SC0000	FA31669-6	2/17/2016 10:05:00 AM	N

AUTOMATED DATA REVIEW SUMMARY for FA31669

QC Outlier Report

Test/Prep	QC Element	Sample ID	Run# / Dil'n	Analyte	Result	Units	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
SW6010C / SW3010A	Equipment Blank	02-ER01SC (EB)	1 / 1.00	Lead	1.90	UG/L	U/None	< 1.1	< 5	K1			
SW6010C / SW3050B	Field Duplicate	02-58SC0000Q FA31669-26	1 / 5.00	Lead	6.0	MG/KG	J/UJ	< 3.8	< 7.6	D5			

AUTOMATED DATA REVIEW SUMMARY for FA31669

Qualified Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	02-58SC0000	N	Lead	1.9	10.7	10.7 J	MG/KG	D5
SW6010C/NONE	SO	02-58SC0000Q	FD	Lead	1.9	4.7	4.7 J	MG/KG	D5
SW6010C/NONE	WQ	02-ER01SC	EB	Lead	5.0	1.9	1.9 J	UG/L	TR

AUTOMATED DATA REVIEW SUMMARY for FA31669

Detected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	02-01SC0000	N	Lead	1.9	12.9	12.9	MG/KG	
SW6010C/NONE	SO	02-02SC0000	N	Lead	2.0	18.2	18.2	MG/KG	
SW6010C/NONE	SO	02-03SC0000	N	Lead	1.9	19.3	19.3	MG/KG	
SW6010C/NONE	SO	02-54SC0000	N	Lead	2.0	72.5	72.5	MG/KG	
SW6010C/NONE	SO	02-55SC0000	N	Lead	1.9	31.3	31.3	MG/KG	
SW6010C/NONE	SO	02-58SC0000	N	Lead	1.9	10.7	10.7 J	MG/KG	D5
SW6010C/NONE	SO	02-58SC0000Q	FD	Lead	1.9	4.7	4.7 J	MG/KG	D5
SW6010C/NONE	SO	02-60SC0000	N	Lead	2.0	128	128	MG/KG	
SW6010C/NONE	SO	02-61SC0000	N	Lead	1.9	36.5	36.5	MG/KG	
SW6010C/NONE	SO	02-62SC0000	N	Lead	1.9	9.7	9.7	MG/KG	
SW6010C/NONE	SO	02-63SC0000	N	Lead	2.0	9.5	9.5	MG/KG	
SW6010C/NONE	WQ	02-ER01SC	EB	Lead	5.0	1.9	1.9 J	UG/L	TR

AUTOMATED DATA REVIEW SUMMARY for FA31669

Rejected Results

--No Records Found--

Automated Data Review Detail Report for FA31669

Fort Ord_Basewide Range Assessment Spring 2016

Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California



Review Questions

Method:SW6010C Soil and aqueous EB				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	.			Fourth page of COC was not signed and dated by lab for receipt of samples. All other pages were signed and dated. No action was taken.
Stage 2 Review: COC - Temperature/Condition?	.			
Stage 2 Review: COC - Receipt anomalies?	.			
Stage 2 Review: COC - Sample/Methods checked?	.			
Stage 2 Review: Case Narrative - Anomalies?	.			
Stage 2 Review: Samples - Collection date?	.			2/17/2016
Stage 2 Review: Samples - Extraction date?	.			Soil 3/22/2016 EB 2/29/2016
Stage 2 Review: Samples - Analysis date?	.			Soil 3/22/2016 EB 2/29/2016
Stage 2 Review: Samples - Holding time? [180 days]	.			
Stage 2 Review: Samples - Batching?	.			Soil MP30149 / MA13047 EB MP30039 / MA12998
Stage 2 Review: Samples - Lab qualifiers?	.			J for trace
Stage 2 Review: Calibration - ICAL? $R^2 \geq 0.99$.			ICAL summary not provided for MA13047. - ICVs and CCVs in criteria.
Stage 2 Review: Calibration - ICB / CCB [<DL]	.			
Stage 2 Review: Calibration - ICV? [90-110%R or 10%D]	.			
Stage 2 Review: Calibration - CCV? [90-110%R or 10%D]	.			
Stage 2 Review: Low/High Level Standard [80-120%R]	.			
Stage 2 Review: ICSA [80-120%R or ABS value<LOD]	.			
Stage 2 Review: ICSAB [80-120%R or ABS value<LOD]	.			
Stage 2 Review: Blank - Method blank? [<DL]	.			
Stage 2 Review: Blank - Equipment blank? [<DL]		.		Trace lead detected in EB. Sample results greater than LOQ. No flags were required. See QC Outlier Report.
Stage 2 Review: Precision/Accuracy - MS/MSD? [20 RPD 81-112%R Soil 86-113% EB]	.			Sample FA31669-2 used as parent.
Stage 2 Review: Precision/Accuracy - Post Digestion Spike? [80-120%R]	.			Sample FA31669-2 used as parent.
Stage 2 Review: Precision/Accuracy - Serial Dilution? [90-110%R or 10%D]	.			Sample FA31669-2 used as parent.
Stage 2 Review: Precision/Accuracy - LCS/LCSD? [20 RPD 81-112%R Soil 86-113% EB]	.			
Stage 2 Review: Quantitation - PQLs? [225 mg/kg (ROD Range); LOD 0.2 LOQ 1.0 mg/kg]	.			DL is 0.1, LOD is 0.4, LOQ is 2 mg/kg (note - all samples and QC samples analyzed at 5X dilution; all soil samples were reported > LOQ)
Stage 2 Review: Quantitation - Dilution Factor?	.			
Stage 2 Review: Quantitation - Results (i.e. correct analytes)?	.			
Stage 2 Review: Field Duplicates - RPD within limits? [RPD \leq 40 or absolute diff.<2XLOQ]		.		Samples 25/26. Precision out of criteria. See QC Outlier Report.

Fort Ord_Basewide Range Assessment Spring 2016

Field Duplicate Report By SDG

BRA with KEMRON

Units 1,2,3,7,10,33,WGBASampWP

Field Duplicates for SDG: FA31669



Location **Analysis**
02-58 SW6010C

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
02-58SC0000 / 02-58SC0000Q	FA31669-25 / FA31669-26	Lead	10.7	4.70	1.90	77.9	40	NA	6.0

FD = Field Duplicate
RL = Reporting Limit
RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil



Qualified Results Table

Lab Sample ID	Sample ID	Sample Collection Date	Type	Method	Parameter	Original Value	Qualifier	New Value	Bias	MDL	RL	Units	Reason
FA31669-25	02-58SC0000	2/17/2016	SO-N	SW6010C	Lead	10.7	J	10.7 J		0.096	1.9	MG/KG	D5
FA31669-26	02-58SC0000Q	2/17/2016	SO-FD	SW6010C	Lead	4.7	J	4.7 J		0.097	1.9	MG/KG	D5
FA31669-1	02-ER01SC	2/17/2016	WQ-EB	SW6010C	Lead	1.9	J	1.9 J		1.1	5.0	UG/L	TR

Matrix / Sample Type

Matrix	Matrix Description	Sample Code	Sample Code Description
SO	SOIL	FD	Field Duplicate
SO	SOIL	N	Normal
WQ	WATER QUALITY CONTROL MATRIX	EB	Equipment Blank

Data Qualifier Definitions

Flag	Description
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.

Reason and Comment Code Definitions

Code	Description
D5	Field duplicate precision
TR	Trace Level Detect

AUTOMATED DATA REVIEW SUMMARY for FA38934R

Facility: Fort Ord

Guidance Document: Units 1, 2, 3, 7, 10, 33, W GBA Sampling Work Plan Former Fort Ord, California, January 2016

Contract Laboratory: SGS Accutest Southeast

Field Contractor:

Data Review Contractor:

SDG: FA38934R, Certified - 1/20/2017 by nfarmer

QC Level: S2BVEM

Project Manager: Erin Caruso

Data Reviewer: Peggy Cota

Data Reviewer Title: Project Chemist

Date of Review Report: January 22, 2017

Second Reviewer: Á

Completion Date of Second Reviewer: Á
Á
Á
Á

Analytical Method/ Leach Method	Normal Soil Samples	Field QC Soil Samples
SW6010C/NONE	7	2

AUTOMATED DATA REVIEW SUMMARY for FA38934R

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by ; analyses were performed by SGS Accutest Southeast and were reported under sample delivery group (SDG) . Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- Field Duplicate
- Lab Replicate RPD
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Equipment Blank
- Field Blank
- Initial Calibration Verification
- Material Blank
- Negative Blank
- Surrogate
- Trip Blank

AUTOMATED DATA REVIEW SUMMARY for FA38934R

A minimum of ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 0 results (0.00%) out of the 9 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

The correct preparation factor was not applied to the lead soil results reported for this SDG. This resulted in reporting of results two times (2X) less than the actual value. The laboratory was notified and issued an amended report. Corrective action was initiated by the laboratory to ensure that the correct preparation factor will be entered in the system so that the results are reported correctly. A copy of the Corrective Action Report is provided as Appendix 3 of the Chemical Quality Assurance Report for the Basewide Range Assessment 2016 Sampling Event for Fort Ord, California (Gilbane, January 2017).

Peggy Cota

Released by Peggy Cota, Project Chemist

22-Jan-2017

Released by Evelyn Dawson, Program Chemist

30-Jan-2017

AUTOMATED DATA REVIEW SUMMARY for FA38934R

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B1	The analyte was found in an associated method blank.
B2	Calibration Blank
B3	Calibration Blank - Negative
B4	Negative Blank
B5	The analyte was found in an associated blank as well as in the sample.
C10	Continuing Calibration Verification RRF
C11	Continuing Calibration Verification percent recovery, percent difference, or percent drift
C12	Low Level Continuing Calibration Verification was outside control limits
D1	Lab Replicate RPD
D2	MS RPD exceeded established criteria.
D4	No precision available
D5	Field duplicate precision
D6	RPD of laboratory control sample exceeded criteria
D7	Field Duplicate not usable
E	Exceeds LinearCalibration Range
F	Hydrocarbon pattern does not match standard
G	Initial Calibration RRF
G1	Initial Calibration RSD
G2	Initial Calibration Verification percent recovery, percent difference, or percent drift
G3	r2 values < 0.990 in the ICAL
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
G5	Initial Calibration out for metals/inorganics
H1	Test Hold Time
H2	Prep Hold Time

AUTOMATED DATA REVIEW SUMMARY for FA38934R

Reason and Comment Code Definitions

Reasons	
Code	Definition
I	Internal standard
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
K1	Detected in the associated equipment rinsate blank.
K2	Detected in the associated field (i.e., ambient) blank.
K3	Detected in the associated trip blank.
K4	Detected in the associated storage blank
K5	Detected in the associated source blank
L	Percent recovery of laboratory control sample recovery was outside established limits
L1	A common laboratory artifact was detected in the sample at a concentration less than 10X the concentration detected in the associated method blank. (Negative)
M	Matrix spike recovery was outside established criteria.
M1	Minimum matrix spike frequency was not attained
N	Blank - No Action
O	Interference check sample
P	Sample preservation/collection requirement not met.
P1	Column or detector RPD
P2	Improper preparation/extraction
Q1	Material Blank
S	Surrogate recovery out of criteria (upper or lower limit)
S1	Sample less than 50% solids
T	Receipt Temperature
T2	RSD of lab triplicate out
TI	Tentatively Identified Compound
TR	Trace Level Detect
V	Sample Receipt Condition
W	Column breakdown (pesticides)

AUTOMATED DATA REVIEW SUMMARY for FA38934R

Reason and Comment Code Definitions

Reasons	
Code	Definition
X	Raised reporting limit
X1	Unresolved Isomers; no peak separation
X2	Qualified due to professional judgment, see data validation narrative.
Y	Analyte not confirmed on second column
Y1	False Positive
Y2	Sum of species greater than total result
Z	Data rejected due to radiological anomalies
Z1	Data rejected, more valid data available

Flag Code and Definitions

Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for FA38934R

Batch Report

Test Method: SW6010C; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
MA13715	MP31429	NA	33-01	SO	33-01SC0000S1NE	FA38934-18R	MA13715	1/5	17-Nov-2016 1:54 PM	04-Jan-2017 1:11 PM	06-Jan-2017 10:38 AM	N
	MP31429	NA	33-01	SO	33-01SC0001S2E	MP31429-D1	MA13715	1/5	17-Nov-2016 9:40 AM	04-Jan-2017 1:11 PM	06-Jan-2017 9:37 AM	LR
	MP31429	NA	33-01	SO	33-01SC0001S2E	MP31429-S1	MA13715	1/5	17-Nov-2016 9:40 AM	04-Jan-2017 1:11 PM	06-Jan-2017 9:50 AM	MS
	MP31429	NA	33-01	SO	33-01SC0001S2E	FA38934-2R	MA13715	1/5	17-Nov-2016 9:40 AM	04-Jan-2017 1:11 PM	06-Jan-2017 9:32 AM	N
	MP31429	NA	33-01	SO	33-01SC0001S2E	MP31429-S2	MA13715	1/5	17-Nov-2016 9:40 AM	04-Jan-2017 1:11 PM	06-Jan-2017 9:54 AM	SD
	MP31429	NA	33-01	SO	33-01SC0001S2EQ	FA38934-5R	MA13715	1/5	17-Nov-2016 9:30 AM	04-Jan-2017 1:11 PM	06-Jan-2017 10:03 AM	FD
	MP31429	NA	33-01	SO	33-01SC0001S2N	FA38934-8R	MA13715	1/5	16-Nov-2016 3:40 PM	04-Jan-2017 1:11 PM	06-Jan-2017 10:20 AM	N
	MP31429	NA	33-01	SO	33-01SC0001S3E	FA38934-11R	MA13715	1/5	17-Nov-2016 10:50 AM	04-Jan-2017 1:11 PM	06-Jan-2017 10:29 AM	N
	MP31429	NA	33-01	SO	33-01SC0002S2E	FA38934-3R	MA13715	1/5	17-Nov-2016 10:10 AM	04-Jan-2017 1:11 PM	06-Jan-2017 9:59 AM	N
	MP31429	NA	33-01	SO	33-01SC0002S2EQ	FA38934-6R	MA13715	1/5	17-Nov-2016 10:05 AM	04-Jan-2017 1:11 PM	06-Jan-2017 10:16 AM	FD
	MP31429	NA	33-01	SO	33-01SC0002S2N	FA38934-9R	MA13715	1/5	16-Nov-2016 4:00 PM	04-Jan-2017 1:11 PM	06-Jan-2017 10:25 AM	N
	MP31429	NA	33-01	SO	33-01SC0002S3E	FA38934-12R	MA13715	1/5	17-Nov-2016 11:10 AM	04-Jan-2017 1:11 PM	06-Jan-2017 10:33 AM	N
	MP31429	NA	LABQC	SQ	LABQC	MP31429-B1	MA13715	1/5	04-Jan-2017 1:11 PM	04-Jan-2017 1:11 PM	06-Jan-2017 9:21 AM	BS
	MP31429	NA	LABQC	SQ	LABQC	MP31429-MB1	MA13715	1/5	04-Jan-2017 1:11 PM	04-Jan-2017 1:11 PM	06-Jan-2017 9:16 AM	LB

AUTOMATED DATA REVIEW SUMMARY for FA38934R

Field Batch Report

--No Records Found--

QC Outlier Report

--No Records Found--

Qualified Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	33-01SC0001S2N	N	Lead	1.8	1.3	1.3 J	MG/KG	TR
SW6010C/NONE	SO	33-01SC0002S2E	N	Lead	1.8	1.7	1.7 J	MG/KG	TR
SW6010C/NONE	SO	33-01SC0002S2EQ	FD	Lead	1.9	1.4	1.4 J	MG/KG	TR
SW6010C/NONE	SO	33-01SC0002S2N	N	Lead	1.8	1.4	1.4 J	MG/KG	TR
SW6010C/NONE	SO	33-01SC0002S3E	N	Lead	2.0	1.1	1.1 J	MG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for FA38934R

Detected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	33-01SC0000S1NE	N	Lead	1.8	58.3	58.3	MG/KG	
SW6010C/NONE	SO	33-01SC0001S2E	N	Lead	1.8	1.8	1.8	MG/KG	
SW6010C/NONE	SO	33-01SC0001S2EQ	FD	Lead	2.0	2.7	2.7	MG/KG	
SW6010C/NONE	SO	33-01SC0001S2N	N	Lead	1.8	1.3	1.3 J	MG/KG	TR
SW6010C/NONE	SO	33-01SC0001S3E	N	Lead	1.8	2.3	2.3	MG/KG	
SW6010C/NONE	SO	33-01SC0002S2E	N	Lead	1.8	1.7	1.7 J	MG/KG	TR
SW6010C/NONE	SO	33-01SC0002S2EQ	FD	Lead	1.9	1.4	1.4 J	MG/KG	TR
SW6010C/NONE	SO	33-01SC0002S2N	N	Lead	1.8	1.4	1.4 J	MG/KG	TR
SW6010C/NONE	SO	33-01SC0002S3E	N	Lead	2.0	1.1	1.1 J	MG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for FA38934R

Rejected Results

--No Records Found--

Automated Data Review Detail Report for FA38934R

Fort Ord Basewide Range Assessment Spring 2016

Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California



Review Questions

Method:SW6010C

Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	•			
Stage 2 Review: COC - Temperature/Condition?	•			
Stage 2 Review: COC - Receipt anomalies?	•			
Stage 2 Review: COC - Sample/Methods checked?	•			
Stage 2 Review: Case Narrative - Anomalies?	•			
Stage 2 Review: Samples - Collection date?	•			11/172016
Stage 2 Review: Samples - Extraction date?	•			1/4/2017
Stage 2 Review: Samples - Analysis date?	•			1/6/2017
Stage 2 Review: Samples - Holding time? [180 days]	•			
Stage 2 Review: Samples - Batching?	•			MP31429 / MA13715
Stage 2 Review: Samples - Lab qualifiers?	•			
Stage 2 Review: Calibration - ICAL? $R^2 \geq 0.99$	•			
Stage 2 Review: Calibration - ICB / CCB [$<DL$]	•			
Stage 2 Review: Calibration - ICV? [90-110%R or 10%D]	•			
Stage 2 Review: Calibration - CCV? [90-110%R or 10%D]	•			
Stage 2 Review: Instrument Performance - Internal Standard? [60-140%R or 40%D]	•			
Stage 2 Review: Low/High Level Standard [80-120%R]	•			
Stage 2 Review: ICSA [80-120%R or ABS value<LOD]	•			
Stage 2 Review: ICSAB [80-120%R or ABS value<LOD]	•			
Stage 2 Review: Blank - Method blank? [$<DL$]	•			
Stage 2 Review: Blank - Equipment blank? [$<DL$]			•	
Stage 2 Review: Precision/Accuracy - MS/MSD? [20 RPD 81-112%R Soil 86-113% EB]	•			Sample 33-01SC0001S2E (FA38934-2R) parent
Stage 2 Review: Precision/Accuracy - Post Digestion Spike? [80-120%R]	•			Sample 33-01SC0001S2E (FA38934-2R) parent
Stage 2 Review: Precision/Accuracy - Serial Dilution? [90-110%R or 10%D]	•			Sample 33-01SC0001S2E (FA38934-2R) parent
Stage 2 Review: Precision/Accuracy - LCS/LCSD? [20 RPD 81-112%R Soil 86-113% EB]	•			
Stage 2 Review: Quantitation - PQLs? [225 mg/kg (ROD Range); LOD 0.2 LOQ 1.0 mg/kg]	•			DL 01., LOD is 0.4; LOQ is 2 mg/kg (note - all samples and QC samples analyzed at 5X dilution; all samples were reported > DL).
Stage 2 Review: Quantitation - Dilution Factor?	•			
Stage 2 Review: Quantitation - Results (i.e. correct analytes)?	•			Original results were reported incorrectly. Lab issued a revised report. See Narrative Comments.
Stage 2 Review: Field Duplicates - RPD within limits? [$RPD \leq 40$]	•			



Field Duplicate Report By SDG
BRA with KEMRON
Units 1,2,3,7,10,33,WGBASampWP
Field Duplicates for SDG: FA38934R

Location **Analysis**
33-01 SW6010C

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
33-01SC0001S2E / 33-01SC0001S2EQ	FA38934-2R / FA38934-5R	Lead	1.80	2.70	1.80	40.0	40	NA	OK
33-01SC0002S2E / 33-01SC0002S2EQ	FA38934-3R / FA38934-6R	Lead	1.70	1.40	1.80	19.4	40	NA	OK

FD = Field Duplicate
RL = Reporting Limit
RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil

Qualified Results Table

Lab Sample ID	Sample ID	Sample Collection Date	Type	Method	Parameter	Original Value	Qualifier	New Value	Bias	MDL	RL	Units	Reason
FA38934-8R	33-01SC0001S2N	11/16/2016	SO-N	SW6010C	Lead	1.3	J	1.3 J		0.091	1.8	MG/KG	TR
FA38934-3R	33-01SC0002S2E	11/17/2016	SO-N	SW6010C	Lead	1.7	J	1.7 J		0.089	1.8	MG/KG	TR
FA38934-6R	33-01SC0002S2EQ	11/17/2016	SO-FD	SW6010C	Lead	1.4	J	1.4 J		0.097	1.9	MG/KG	TR
FA38934-9R	33-01SC0002S2N	11/16/2016	SO-N	SW6010C	Lead	1.4	J	1.4 J		0.092	1.8	MG/KG	TR
FA38934-12R	33-01SC0002S3E	11/17/2016	SO-N	SW6010C	Lead	1.1	J	1.1 J		0.099	2.0	MG/KG	TR

Matrix / Sample Type

Matrix	Matrix Description	Sample Code	Sample Code Description
SO	SOIL	FD	Field Duplicate
SO	SOIL	N	Normal

Data Qualifier Definitions

Flag	Description
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.

Reason and Comment Code Definitions

Code	Description
TR	Trace Level Detect

AUTOMATED DATA REVIEW SUMMARY for FA38934

Facility: Fort Ord

Guidance Document: Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California, January 2016

Contract Laboratory: SGS Accutest Southeast

Field Contractor: NA

Data Review Contractor: NA

SDG: FA38934, Certified - 12/12/2016 by rweekly

QC Level: S2BVEM

Project Manager: Erin Caruso

Data Reviewer: Peggy Cota

Data Reviewer Title: Project Chemist

Date of Review Report: December 17, 2016

Second Reviewer: Evelyn Dawson

Completion Date of Second Reviewer: January 20, 2017

Samples Included in SDG FA38934

Analytical Method/ Leach Method	Normal Soil Samples	Normal Water Samples	Field QC Soil Samples	Field QC Water Samples
SW6010C/NONE	4	0	1	2

AUTOMATED DATA REVIEW SUMMARY for FA38934

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by ; analyses were performed by SGS Accutest Southeast and were reported under sample delivery group (SDG) . Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- Equipment Blank
- Field Duplicate
- Lab Replicate RPD
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Field Blank
- Initial Calibration Verification
- Material Blank
- Negative Blank
- Surrogate
- Trip Blank

AUTOMATED DATA REVIEW SUMMARY for FA38934

A minimum of ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 0 results (0.00%) out of the 7 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

None

Peggy Cota

Released by Peggy Cota, Project Chemist

17-Dec-2016

Released by Evelyn Dawson, Program Chemist

AUTOMATED DATA REVIEW SUMMARY for FA38934

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B1	The analyte was found in an associated method blank.
B2	Calibration Blank
B3	Calibration Blank - Negative
B4	Negative Blank
B5	The analyte was found in an associated blank as well as in the sample.
C10	Continuing Calibration Verification RRF
C11	Continuing Calibration Verification percent recovery, percent difference, or percent drift
C12	Low Level Continuing Calibration Verification was outside control limits
D1	Lab Replicate RPD
D2	MS RPD exceeded established criteria.
D4	No precision available
D5	Field duplicate precision
D6	RPD of laboratory control sample exceeded criteria
D7	Field Duplicate not usable
E	Exceeds LinearCalibration Range
F	Hydrocarbon pattern does not match standard
G	Initial Calibration RRF
G1	Initial Calibration RSD
G2	Initial Calibration Verification percent recovery, percent difference, or percent drift
G3	r2 values < 0.990 in the ICAL
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
G5	Initial Calibration out for metals/inorganics
H1	Test Hold Time
H2	Prep Hold Time

AUTOMATED DATA REVIEW SUMMARY for FA38934

Reason and Comment Code Definitions

Reasons	
Code	Definition
I	Internal standard
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
K1	Detected in the associated equipment rinsate blank.
K2	Detected in the associated field (i.e., ambient) blank.
K3	Detected in the associated trip blank.
K4	Detected in the associated storage blank
K5	Detected in the associated source blank
L	Percent recovery of laboratory control sample recovery was outside established limits
L1	A common laboratory artifact was detected in the sample at a concentration less than 10X the concentration detected in the associated method blank. (Negative)
M	Matrix spike recovery was outside established criteria.
M1	Minimum matrix spike frequency was not attained
N	Blank - No Action
O	Interference check sample
P	Sample preservation/collection requirement not met.
P1	Column or detector RPD
P2	Improper preparation/extraction
Q1	Material Blank
S	Surrogate recovery out of criteria (upper or lower limit)
S1	Sample less than 50% solids
T	Receipt Temperature
T2	RSD of lab triplicate out
TI	Tentatively Identified Compound
TR	Trace Level Detect
V	Sample Receipt Condition
W	Column breakdown (pesticides)

AUTOMATED DATA REVIEW SUMMARY for FA38934

Reason and Comment Code Definitions

Reasons	
Code	Definition
X	Raised reporting limit
X1	Unresolved Isomers; no peak separation
X2	Qualified due to professional judgment, see data validation narrative.
Y	Analyte not confirmed on second column
Y1	False Positive
Y2	Sum of species greater than total result
Z	Data rejected due to radiological anomalies
Z1	Data rejected, more valid data available

Flag Code and Definitions

Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for FA38934

Batch Report

Test Method: SW6010C; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
MA13606	MP31228	NA	FIELDQC	WQ	33-01-ERSC111616	FA38934-16	MA13606	1/1	16-Nov-2016 4:30 PM	29-Nov-2016 9:47 AM	29-Nov-2016 2:17 PM	EB
	MP31228	NA	FIELDQC	WQ	33-01-ERSC111716	FA38934-17	MA13606	1/1	17-Nov-2016 2:45 PM	29-Nov-2016 9:47 AM	29-Nov-2016 2:21 PM	EB
	MP31228	NA	LABQC	WQ	LABQC	MP31228-B1	MA13606	1/1	29-Nov-2016 9:47 AM	29-Nov-2016 9:47 AM	29-Nov-2016 1:19 PM	BS
	MP31228	NA	LABQC	WQ	LABQC	MP31228-MB1	MA13606	1/1	29-Nov-2016 9:47 AM	29-Nov-2016 9:47 AM	29-Nov-2016 1:15 PM	LB
MA13628	MP31274	NA	33-01	SO	33-01SC0000S2N	FA38934-7	MA13628	1/5	16-Nov-2016 3:00 PM	06-Dec-2016 8:55 AM	06-Dec-2016 3:35 PM	N
	MP31274	NA	33-01	SO	33-01SC0000S3E	FA38934-10	MA13628	1/5	17-Nov-2016 10:35 AM	06-Dec-2016 8:55 AM	06-Dec-2016 3:39 PM	N
	MP31274	NA	33-01	SO	33-01SC0000S3N	FA38934-13	MA13628	1/5	17-Nov-2016 8:25 AM	06-Dec-2016 8:55 AM	06-Dec-2016 3:43 PM	N
	MP31274	NA	LABQC	SQ	LABQC	MP31274-B1	MA13628	1/5	06-Dec-2016 8:55 AM	06-Dec-2016 8:55 AM	06-Dec-2016 2:50 PM	BS
	MP31274	NA	LABQC	SQ	LABQC	MP31274-MB1	MA13628	1/5	06-Dec-2016 8:55 AM	06-Dec-2016 8:55 AM	06-Dec-2016 2:46 PM	LB
MA13634	MP31274	NA	33-01	SO	33-01SC0000S2E	MP31274-D1	MA13634	1/20	17-Nov-2016 9:10 AM	06-Dec-2016 8:55 AM	07-Dec-2016 11:33 AM	LR
	MP31274	NA	33-01	SO	33-01SC0000S2E	MP31274-S1	MA13634	1/20	17-Nov-2016 9:10 AM	06-Dec-2016 8:55 AM	07-Dec-2016 11:37 AM	MS
	MP31274	NA	33-01	SO	33-01SC0000S2E	FA38934-1	MA13634	1/20	17-Nov-2016 9:10 AM	06-Dec-2016 8:55 AM	07-Dec-2016 11:28 AM	N
	MP31274	NA	33-01	SO	33-01SC0000S2E	MP31274-S2	MA13634	1/20	17-Nov-2016 9:10 AM	06-Dec-2016 8:55 AM	07-Dec-2016 11:41 AM	SD
	MP31274	NA	33-01	SO	33-01SC0000S2EQ	FA38934-4	MA13634	1/20	17-Nov-2016 9:20 AM	06-Dec-2016 8:55 AM	07-Dec-2016 12:03 PM	FD

AUTOMATED DATA REVIEW SUMMARY for FA38934

Field Batch Report

Test Method: SW6010C		Leach Method: NONE						
EBLOT	TBLOT	ABLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
17111601			FIELDQC	WQ	33-01-ERSC111716	FA38934-17	11/17/2016 2:45:00 PM	EB
17111601			33-01	SO	33-01SC0000S2E	FA38934-1	11/17/2016 9:10:00 AM	N
17111601			33-01	SO	33-01SC0000S2E	MP31274-D1	11/17/2016 9:10:00 AM	LR
17111601			33-01	SO	33-01SC0000S2E	MP31274-D2	11/17/2016 9:10:00 AM	LR
17111601			33-01	SO	33-01SC0000S2E	MP31274-S1	11/17/2016 9:10:00 AM	MS
17111601			33-01	SO	33-01SC0000S2E	MP31274-S2	11/17/2016 9:10:00 AM	SD
17111601			33-01	SO	33-01SC0000S2EQ	FA38934-4	11/17/2016 9:20:00 AM	FD
17111601			33-01	SO	33-01SC0000S3E	FA38934-10	11/17/2016 10:35:00 AM	N
17111601			33-01	SO	33-01SC0000S3N	FA38934-13	11/17/2016 8:25:00 AM	N

Test Method: SW6010C		Leach Method: NONE						
EBLOT	TBLOT	ABLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
16111601			FIELDQC	WQ	33-01-ERSC111616	FA38934-16	11/16/2016 4:30:00 PM	EB
16111601			33-01	SO	33-01SC0000S2N	FA38934-7	11/16/2016 3:00:00 PM	N

AUTOMATED DATA REVIEW SUMMARY for FA38934

QC Outlier Report

Test/Prep	QC Element	Sample ID	Run# / Dil'n	Analyte	Result	Units	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
SW6010C / SW3050B	Blank	MP31274-MB1 (LB)	1 / 5.00	Lead	0.120	MG/KG	U/None	< 0.1	< 2	B1		5	0.600
SW6010C / SW3050B	MS Recovery	33-01SC0000S2E (MS)	1 / 20.00	Lead	-418	Percent	J/R	81 - 112	50 - 122	M	Spike amount Insignificant	4.00	
SW6010C / SW3050B	MS Recovery	33-01SC0000S2E (SD)	1 / 20.00	Lead	-50.9	Percent	J/R	81 - 112	50 - 122	M	Spike amount Insignificant	4.00	

AUTOMATED DATA REVIEW SUMMARY for FA38934

Qualified Results

--No Records Found--

Detected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	33-01SC0000S2E	N	Lead	7.8	558	558	MG/KG	
SW6010C/NONE	SO	33-01SC0000S2EQ	FD	Lead	7.2	547	547	MG/KG	
SW6010C/NONE	SO	33-01SC0000S2N	N	Lead	1.9	310	310	MG/KG	
SW6010C/NONE	SO	33-01SC0000S3E	N	Lead	1.9	262	262	MG/KG	
SW6010C/NONE	SO	33-01SC0000S3N	N	Lead	1.9	104	104	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for FA38934

Rejected Results

--No Records Found--

Automated Data Review Detail Report for F38934

Fort Ord_Basewide Range Assessment Fall 2016

Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California



Review Questions

Method:SW6010C				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	.			
Stage 2 Review: COC - Temperature/Condition?	.			
Stage 2 Review: COC - Receipt anomalies?	.			
Stage 2 Review: COC - Sample/Methods checked?	.			Surface ISM lead except for 33-SC0000051NE and EB samples analyzed; others on hold
Stage 2 Review: Case Narrative - Anomalies?	.			MS/MSD and post digestion spike %R out for sample 1 due to spike amount low relative to the sample amount.
Stage 2 Review: Samples - Collection date?	.			11/16;17/2016
Stage 2 Review: Samples - Extraction date?	.			ISM 12/6; EB 11/29
Stage 2 Review: Samples - Analysis date?	.			ISM 12/6;7; EB 11/29
Stage 2 Review: Samples - Holding time? [180 days]	.			
Stage 2 Review: Samples - Batching?	.			ISM MP31274 / MA13634; EB MP31228 / MA13606
Stage 2 Review: Samples - Lab qualifiers?	.			
Stage 2 Review: Calibration - ICAL? $R^2 \geq 0.99$.			
Stage 2 Review: Calibration - ICB / CCB [$<DL$]	.			
Stage 2 Review: Calibration - ICV? [90-110%R or 10%D]	.			
Stage 2 Review: Calibration - CCV? [90-110%R or 10%D]	.			
Stage 2 Review: Low/High Level Standard [80-120%R]	.			
Stage 2 Review: ICSA [80-120%R or ABS value<LOD]	.			
Stage 2 Review: ICSAB [80-120%R or ABS value<LOD]	.			
Stage 2 Review Internal standard [60-125%R]	.			
Stage 2 Review: Blank - Method blank? [$<DL$]	.			Trace amount lead in soil MB; sample results all greater than RL and 10X blank contamination - no qualifiers required. See QC Outlier Report
Stage 2 Review: Blank - Equipment blank? [$<DL$]	.			
Stage 2 Review: Precision/Accuracy - MS/MSD? [20 RPD 81-112%R Soil 86-113% EB]	.			ISM MS/MSD sample 1 out due to sample amount 4X greater than spike amount. No qualifiers required.
Stage 2 Review: Precision/Accuracy - Post Digestion Spike? [80-120%R]	.			ISM post digestion spike sample 1 out due to sample amount 4X greater than spike amount. No qualifiers required.
Stage 2 Review: Precision/Accuracy - Serial Dilution? [90-110%R or 10%D]	.			Sample 1
Stage 2 Review: Precision/Accuracy - LCS/LCSD? [20 RPD 81-112%R Soil 86-113% EB]	.			
Stage 2 Review: Quantitation - PQLs? [225 mg/kg (ROD Range); LOD 0.2 LOQ 1.0 mg/kg]	.			DL 0.1, LOD is 0.4; LOQ is 2 mg/kg (note - all samples and QC samples analyzed at least a 5X dilution; all samples were reported > LOQ).
Stage 2 Review: Quantitation - Dilution Factor?	.			
Stage 2 Review: Quantitation - Results (i.e. correct analytes)?	.			
Stage 2 Review: Field Duplicates - RPD within limits? [$RPD \leq 40$]	.			



Field Duplicate Report By SDG
BRA with KEMRON
Units 1,2,3,7,10,33,WGBASampWP
Field Duplicates for SDG: FA38934

Location **Analysis**
33-01 SW6010C

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
33-01SC0000S2E / 33-01SC0000S2EQ	FA38934-1 / FA38934-4	Lead	558	547	7.80	1.99	40	OK	NA

FD = Field Duplicate
RL = Reporting Limit
RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil

AUTOMATED DATA REVIEW SUMMARY for FA37168R

Facility: Fort Ord

Guidance Document:

Contract Laboratory: SGS Accutest Southeast

Field Contractor:

Data Review Contractor: NA

SDG: FA37168R, Certified - 11/16/2016 by rweekly

QC Level: S2BVEM

Project Manager: Erin Caruso

Data Reviewer: Peggy Cota

Data Reviewer Title: Project Chemist

Date of Review Report: November 25, 2016

Second Reviewer: Evelyn Dawson

Completion Date of Second Reviewer: January 20, 2017

Analytical Method/ Leach Method	Normal Soil Samples	Field QC Soil Samples
SW6010C/NONE	8	0

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AUTOMATED DATA REVIEW SUMMARY for FA37168R

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by ; analyses were performed by SGS Accutest Southeast and were reported under sample delivery group (SDG) . Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- Lab Replicate RPD
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Equipment Blank
- Field Blank
- Field Duplicate
- Initial Calibration Verification
- Material Blank
- Negative Blank
- Surrogate
- Trip Blank

AUTOMATED DATA REVIEW SUMMARY for FA37168R

A minimum of ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 0 results (0.00%) out of the 8 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

None.

Peggy Cota

Released by Peggy Cota, Project Chemist

25-Nov-2016

Released by Evelyn Dawson, Program Chemist

AUTOMATED DATA REVIEW SUMMARY for FA37168R

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B1	The analyte was found in an associated method blank.
B2	Calibration Blank
B3	Calibration Blank - Negative
B4	Negative Blank
B5	The analyte was found in an associated blank as well as in the sample.
C10	Continuing Calibration Verification RRF
C11	Continuing Calibration Verification percent recovery, percent difference, or percent drift
C12	Low Level Continuing Calibration Verification was outside control limits
D1	Lab Replicate RPD
D2	MS RPD exceeded established criteria.
D4	No precision available
D5	Field duplicate precision
D6	RPD of laboratory control sample exceeded criteria
D7	Field Duplicate not usable
E	Exceeds LinearCalibration Range
F	Hydrocarbon pattern does not match standard
G	Initial Calibration RRF
G1	Initial Calibration RSD
G2	Initial Calibration Verification percent recovery, percent difference, or percent drift
G3	r2 values < 0.990 in the ICAL
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
G5	Initial Calibration out for metals/inorganics
H1	Test Hold Time
H2	Prep Hold Time

AUTOMATED DATA REVIEW SUMMARY for FA37168R

Reason and Comment Code Definitions

Reasons	
Code	Definition
I	Internal standard
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
K1	Detected in the associated equipment rinsate blank.
K2	Detected in the associated field (i.e., ambient) blank.
K3	Detected in the associated trip blank.
K4	Detected in the associated storage blank
K5	Detected in the associated source blank
L	Percent recovery of laboratory control sample recovery was outside established limits
L1	A common laboratory artifact was detected in the sample at a concentration less than 10X the concentration detected in the associated method blank. (Negative)
M	Matrix spike recovery was outside established criteria.
M1	Minimum matrix spike frequency was not attained
N	Blank - No Action
O	Interference check sample
P	Sample preservation/collection requirement not met.
P1	Column or detector RPD
P2	Improper preparation/extraction
Q1	Material Blank
S	Surrogate recovery out of criteria (upper or lower limit)
S1	Sample less than 50% solids
T	Receipt Temperature
T2	RSD of lab triplicate out
TI	Tentatively Identified Compound
TR	Trace Level Detect
V	Sample Receipt Condition
W	Column breakdown (pesticides)

AUTOMATED DATA REVIEW SUMMARY for FA37168R

Reason and Comment Code Definitions

Reasons	
Code	Definition
X	Raised reporting limit
X1	Unresolved Isomers; no peak separation
X2	Qualified due to professional judgment, see data validation narrative.
Y	Analyte not confirmed on second column
Y1	False Positive
Y2	Sum of species greater than total result
Z	Data rejected due to radiological anomalies
Z1	Data rejected, more valid data available

Flag Code and Definitions

Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for FA37168R

Batch Report

Test Method: SW6010C; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
MA13566	MP31146	NA	33-01	SO	33-01SC0001SO01	FA37168-9R	MA13566	1/5	21-Sep-2016 9:30 AM	10-Nov-2016 10:14 AM	11-Nov-2016 10:41 AM	N
	MP31146	NA	33-01	SO	33-01SC0001SO02	FA37168-5R	MA13566	1/5	21-Sep-2016 12:25 PM	10-Nov-2016 10:14 AM	11-Nov-2016 10:32 AM	N
	MP31146	NA	33-01	SO	33-01SC0001SO03	FA37168-12R	MA13566	1/5	21-Sep-2016 10:17 AM	10-Nov-2016 10:14 AM	11-Nov-2016 10:50 AM	N
	MP31146	NA	33-01	SO	33-01SC0001SO04	MP31146-D1	MA13566	1/5	21-Sep-2016 11:08 AM	10-Nov-2016 10:14 AM	11-Nov-2016 9:53 AM	LR
	MP31146	NA	33-01	SO	33-01SC0001SO04	MP31146-S1	MA13566	1/5	21-Sep-2016 11:08 AM	10-Nov-2016 10:14 AM	11-Nov-2016 10:11 AM	MS
	MP31146	NA	33-01	SO	33-01SC0001SO04	FA37168-2R	MA13566	1/5	21-Sep-2016 11:08 AM	10-Nov-2016 10:14 AM	11-Nov-2016 9:49 AM	N
	MP31146	NA	33-01	SO	33-01SC0001SO04	MP31146-S2	MA13566	1/5	21-Sep-2016 11:08 AM	10-Nov-2016 10:14 AM	11-Nov-2016 10:15 AM	SD
	MP31146	NA	33-01	SO	33-01SC0002SO01	FA37168-10R	MA13566	1/5	21-Sep-2016 9:50 AM	10-Nov-2016 10:14 AM	11-Nov-2016 10:45 AM	N
	MP31146	NA	33-01	SO	33-01SC0002SO02	FA37168-6R	MA13566	1/5	21-Sep-2016 12:40 PM	10-Nov-2016 10:14 AM	11-Nov-2016 10:37 AM	N
	MP31146	NA	33-01	SO	33-01SC0002SO03	FA37168-13R	MA13566	1/5	21-Sep-2016 10:38 AM	10-Nov-2016 10:14 AM	11-Nov-2016 10:54 AM	N
	MP31146	NA	33-01	SO	33-01SC0002SO04	FA37168-3R	MA13566	1/5	21-Sep-2016 11:25 AM	10-Nov-2016 10:14 AM	11-Nov-2016 10:19 AM	N
	MP31146	NA	LABQC	SQ	LABQC	MP31146-B1	MA13566	1/5	10-Nov-2016 10:14 AM	10-Nov-2016 10:14 AM	11-Nov-2016 9:45 AM	BS
	MP31146	NA	LABQC	SQ	LABQC	MP31146-MB1	MA13566	1/5	10-Nov-2016 10:14 AM	10-Nov-2016 10:14 AM	11-Nov-2016 9:40 AM	LB

AUTOMATED DATA REVIEW SUMMARY for FA37168R

Field Batch Report

--No Records Found--

QC Outlier Report

--No Records Found--

Qualified Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	33-01SC0002SO01	N	Lead	2.0	1.5	1.5 J	MG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for FA37168R

Detected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	33-01SC0001SO01	N	Lead	1.9	2.7	2.7	MG/KG	
SW6010C/NONE	SO	33-01SC0001SO02	N	Lead	1.9	18.5	18.5	MG/KG	
SW6010C/NONE	SO	33-01SC0001SO03	N	Lead	1.9	8.0	8.0	MG/KG	
SW6010C/NONE	SO	33-01SC0001SO04	N	Lead	2.0	5.4	5.4	MG/KG	
SW6010C/NONE	SO	33-01SC0002SO01	N	Lead	2.0	1.5	1.5 J	MG/KG	TR
SW6010C/NONE	SO	33-01SC0002SO02	N	Lead	1.9	2.0	2.0	MG/KG	
SW6010C/NONE	SO	33-01SC0002SO03	N	Lead	1.9	2.2	2.2	MG/KG	
SW6010C/NONE	SO	33-01SC0002SO04	N	Lead	1.9	9.8	9.8	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for FA37168R

Rejected Results

--No Records Found--

Automated Data Review Detail Report for FA31768R

Fort Ord_Basewide Range Assessment Fall 2016

Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California



Review Questions

Method:SW6010C

Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	•			
Stage 2 Review: COC - Temperature/Condition?	•			
Stage 2 Review: COC - Receipt anomalies?	•			
Stage 2 Review: COC - Sample/Methods checked?	•			
Stage 2 Review: Case Narrative - Anomalies?	•			
Stage 2 Review: Samples - Collection date?	•			9/21/2016
Stage 2 Review: Samples - Extraction date?	•			11/10/2016
Stage 2 Review: Samples - Analysis date?	•			11/11/2016
Stage 2 Review: Samples - Holding time? [180 days)	•			
Stage 2 Review: Samples - Batching?	•			MP31146 / MA13566
Stage 2 Review: Samples - Lab qualifiers?	•			One result qualified "J" for being reported between the LOD and LOQ.
Stage 2 Review: Calibration - ICAL? $R^2 \geq 0.99$	•			
Stage 2 Review: Calibration - ICB / CCB [<DL]	•			
Stage 2 Review: Calibration - ICV? [90-110%R or 10%D]	•			
Stage 2 Review: Calibration - CCV? [90-110%R or 10%D]	•			
Stage 2 Review: Low/High Level Standard [80-120%R]	•			
Stage 2 Review: ICSA [80-120%R or ABS value<LOD]	•			
Stage 2 Review: ICSAB [80-120%R or ABS value<LOD]	•			
Stage 2 Review: Blank - Method blank? [<DL]	•			
Stage 2 Review: Blank - Equipment blank? [<DL]	•			Equipment blank reported in SDG FA34168. The result was ND at the LOD.
Stage 2 Review: Precision/Accuracy - MS/MSD? [20 RPD 81-112%R Soil 86-113% EB]	•			Parent sample 33-01SC0001SO04.
Stage 2 Review: Precision/Accuracy - Post Digestion Spike? [80-120%R]	•			Post digestion spike percent recovery was out of criteria. Since the amount in the parent sample (33-01SC0001SO04) was less than 4 times the amount spiked, no qualifiers were required.
Stage 2 Review: Precision/Accuracy - Serial Dilution? [90-110%R or 10%D]	•			
Stage 2 Review: Precision/Accuracy - LCS/LCSD? [20 RPD 81-112%R Soil 86-113% EB]	•			
Stage 2 Review: Quantitation - PQLs? [225 mg/kg (ROD Range); LOD 0.2 LOQ 1.0 mg/kg]	•			DL is 0.1, LOD is 0.4; LOQ is 2 mg/kg (note - all samples and QC samples analyzed at 20X or 5X dilution; all samples were reported > LOD or LOQ).
Stage 2 Review: Quantitation - Dilution Factor?	•			
Stage 2 Review: Quantitation - Results (i.e. correct analytes)?	•			
Stage 2 Review: Field Duplicates - RPD within limits? [RPD≤40]			•	Field duplicate not provided

AUTOMATED DATA REVIEW SUMMARY for FA37168

Facility: Fort Ord

Guidance Document: I b]hg'%'&ž' ž+ž%'ž' ' žK ; 6 5 'Gua d`]b['K cf_ 'D`Ub': cfa Yf': cfhCfXž7 U]z:fb]Už>Ubi Ufmi&\$%'

Contract Laboratory: Accutest Laboratories, Orlando, FL

Field Contractor:

Data Review Contractor: B5

SDG: FA37168, Certified - 10/20/2016 by rweekly

QC Level: S2BVEM

Project Manager: Erin Caruso

Data Reviewer: Peggy Cota

Data Reviewer Title: Project Chemist

Date of Review Report: October 28, 2016

Second Reviewer: Evelyn Dawson

Completion Date of Second Reviewer:

Samples Included in SDG FA37168

Analytical Method/ Leach Method	Normal Soil Samples	Normal Water Samples	Field QC Soil Samples	Field QC Water Samples
SW6010C/NONE	4	0	1	1

AUTOMATED DATA REVIEW SUMMARY for FA37168

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by ; analyses were performed by Accutest Laboratories, Orlando, FL and were reported under sample delivery group (SDG) . Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- Equipment Blank
- Field Duplicate
- Lab Replicate RPD
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Field Blank
- Initial Calibration Verification
- Material Blank
- Negative Blank
- Surrogate
- Trip Blank

AUTOMATED DATA REVIEW SUMMARY for FA37168

A minimum of ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 1 results (16.67%) out of the 6 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

BcbY"

Peggy Cota

Released by Peggy Cota, Project Chemist

28-Oct-2016

Released by Evelyn Dawson, Program Chemist

30-Jan-2017

AUTOMATED DATA REVIEW SUMMARY for FA37168

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B1	The analyte was found in an associated method blank.
B2	Calibration Blank
B3	Calibration Blank - Negative
B4	Negative Blank
B5	The analyte was found in an associated blank as well as in the sample.
C10	Continuing Calibration Verification RRF
C11	Continuing Calibration Verification percent recovery, percent difference, or percent drift
C12	Low Level Continuing Calibration Verification was outside control limits
D1	Lab Replicate RPD
D2	MS RPD exceeded established criteria.
D4	No precision available
D5	Field duplicate precision
D6	RPD of laboratory control sample exceeded criteria
D7	Field Duplicate not usable
E	Exceeds LinearCalibration Range
F	Hydrocarbon pattern does not match standard
G	Initial Calibration RRF
G1	Initial Calibration RSD
G2	Initial Calibration Verification percent recovery, percent difference, or percent drift
G3	r2 values < 0.990 in the ICAL
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
G5	Initial Calibration out for metals/inorganics
H1	Test Hold Time
H2	Prep Hold Time

AUTOMATED DATA REVIEW SUMMARY for FA37168

Reason and Comment Code Definitions

Reasons	
Code	Definition
I	Internal standard
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
K1	Detected in the associated equipment rinsate blank.
K2	Detected in the associated field (i.e., ambient) blank.
K3	Detected in the associated trip blank.
K4	Detected in the associated storage blank
K5	Detected in the associated source blank
L	Percent recovery of laboratory control sample recovery was outside established limits
L1	A common laboratory artifact was detected in the sample at a concentration less than 10X the concentration detected in the associated method blank. (Negative)
M	Matrix spike recovery was outside established criteria.
M1	Minimum matrix spike frequency was not attained
N	Blank - No Action
O	Interference check sample
P	Sample preservation/collection requirement not met.
P1	Column or detector RPD
P2	Improper preparation/extraction
Q1	Material Blank
S	Surrogate recovery out of criteria (upper or lower limit)
S1	Sample less than 50% solids
T	Receipt Temperature
T2	RSD of lab triplicate out
TI	Tentatively Identified Compound
TR	Trace Level Detect
V	Sample Receipt Condition
W	Column breakdown (pesticides)

AUTOMATED DATA REVIEW SUMMARY for FA37168

Reason and Comment Code Definitions

Reasons	
Code	Definition
X	Raised reporting limit
X1	Unresolved Isomers; no peak separation
X2	Qualified due to professional judgment, see data validation narrative.
Y	Analyte not confirmed on second column
Y1	False Positive
Y2	Sum of species greater than total result
Z	Data rejected due to radiological anomalies
Z1	Data rejected, more valid data available

Flag Code and Definitions

Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for FA37168

Batch Report

Test Method: SW6010C; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
MA13430	MP30879	NA	FIELDQC	WQ	33-ER-01SC0000	FA37168-14	MA13430	1/1	21-Sep-2016 7:18 AM	26-Sep-2016 10:40 AM	26-Sep-2016 4:11 PM	EB
	MP30879	NA	LABQC	WQ	LABQC	MP30879-B1	MA13430	1/1	26-Sep-2016 10:40 AM	26-Sep-2016 10:40 AM	26-Sep-2016 2:10 PM	BS
	MP30879	NA	LABQC	WQ	LABQC	MP30879-MB1	MA13430	1/1	26-Sep-2016 10:40 AM	26-Sep-2016 10:40 AM	26-Sep-2016 2:06 PM	LB
MA13481	MP30974	NA	33-01	SO	33-01SC0000SO01	FA37168-8	MA13481	1/5	21-Sep-2016 8:55 AM	13-Oct-2016 11:55 AM	14-Oct-2016 10:51 AM	N
	MP30974	NA	LABQC	SQ	LABQC	MP30974-B1	MA13481	1/5	13-Oct-2016 11:55 AM	13-Oct-2016 11:55 AM	14-Oct-2016 9:59 AM	BS
	MP30974	NA	LABQC	SQ	LABQC	MP30974-MB1	MA13481	1/5	13-Oct-2016 11:55 AM	13-Oct-2016 11:55 AM	14-Oct-2016 9:54 AM	LB
MA13485	MP30974	NA	33-01	SO	33-01SC0000SO02	FA37168-4	MA13485	1/20	21-Sep-2016 12:14 PM	13-Oct-2016 11:55 AM	17-Oct-2016 4:09 PM	N
	MP30974	NA	33-01	SO	33-01SC0000SO02Q	FA37168-7	MA13485	1/20	21-Sep-2016 12:20 PM	13-Oct-2016 11:55 AM	17-Oct-2016 4:13 PM	FD
	MP30974	NA	33-01	SO	33-01SC0000SO03	FA37168-11	MA13485	1/20	21-Sep-2016 10:03 AM	13-Oct-2016 11:55 AM	17-Oct-2016 4:18 PM	N
	MP30974	NA	33-01	SO	33-01SC0000SO04	MP30974-D1	MA13485	1/20	21-Sep-2016 10:48 AM	13-Oct-2016 11:55 AM	17-Oct-2016 3:34 PM	LR
	MP30974	NA	33-01	SO	33-01SC0000SO04	MP30974-S1	MA13485	1/20	21-Sep-2016 10:48 AM	13-Oct-2016 11:55 AM	17-Oct-2016 3:47 PM	MS
	MP30974	NA	33-01	SO	33-01SC0000SO04	FA37168-1	MA13485	1/20	21-Sep-2016 10:48 AM	13-Oct-2016 11:55 AM	17-Oct-2016 3:30 PM	N
	MP30974	NA	33-01	SO	33-01SC0000SO04	MP30974-S2	MA13485	1/20	21-Sep-2016 10:48 AM	13-Oct-2016 11:55 AM	17-Oct-2016 3:52 PM	SD

AUTOMATED DATA REVIEW SUMMARY for FA37168

Field Batch Report

Test Method: SW6010C		Leach Method: NONE						
EBLOT	TBLOT	ABLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
21091601			FIELDQC	WQ	33-ER-01SC0000	FA37168-14	9/21/2016 7:18:00 AM	EB
21091601			33-01	SO	33-01SC0000SO01	FA37168-8	9/21/2016 8:55:00 AM	N
21091601			33-01	SO	33-01SC0000SO02	FA37168-4	9/21/2016 12:14:00 PM	N
21091601			33-01	SO	33-01SC0000SO02Q	FA37168-7	9/21/2016 12:20:00 PM	FD
21091601			33-01	SO	33-01SC0000SO03	FA37168-11	9/21/2016 10:03:00 AM	N
21091601			33-01	SO	33-01SC0000SO04	FA37168-1	9/21/2016 10:48:00 AM	N
21091601			33-01	SO	33-01SC0000SO04	MP30974-D1	9/21/2016 10:48:00 AM	LR
21091601			33-01	SO	33-01SC0000SO04	MP30974-D2	9/21/2016 10:48:00 AM	LR
21091601			33-01	SO	33-01SC0000SO04	MP30974-S1	9/21/2016 10:48:00 AM	MS
21091601			33-01	SO	33-01SC0000SO04	MP30974-S2	9/21/2016 10:48:00 AM	SD

AUTOMATED DATA REVIEW SUMMARY for FA37168

QC Outlier Report

Test/Prep	QC Element	Sample ID	Run# / Dil'n	Analyte	Result	Units	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
SW6010C / SW3010A	Low Level CCV	33-ER-01SC0000 / FA37168-14 ()	/	Lead	74.0	percent	J/UJ	80 - 120	10 - 130	C12			
SW6010C / SW3050B	MS Recovery	33-01SC0000SO04 (SD)	1 / 20.00	Lead	-702	Percent	None	81 - 112	50 - 122	M	Parent result >4X spike amount. No flags required.		
SW6010C / SW3050B	MS Recovery	33-01SC0000SO04 (MS)	1 / 20.00	Lead	409	Percent	None	81 - 112	50 - 122	M	Parent result >4X spike amount. No flags required.		

AUTOMATED DATA REVIEW SUMMARY for FA37168

Qualified Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	WQ	33-ER-01SC0000	EB	Lead	5.0	5.0	5.0 UJ	UG/L	C12

AUTOMATED DATA REVIEW SUMMARY for FA37168

Detected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	33-01SC0000SO01	N	Lead	1.9	309	309	MG/KG	
SW6010C/NONE	SO	33-01SC0000SO02	N	Lead	7.9	628	628	MG/KG	
SW6010C/NONE	SO	33-01SC0000SO02Q	FD	Lead	7.8	932	932	MG/KG	
SW6010C/NONE	SO	33-01SC0000SO03	N	Lead	7.8	640	640	MG/KG	
SW6010C/NONE	SO	33-01SC0000SO04	N	Lead	7.6	820	820	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for FA37168

Rejected Results

--No Records Found--

Automated Data Review Detail Report for FA31768

Fort Ord_Basewide Range Assessment Fall 2016

Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California



Review Questions

Method:SW6010C				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	•			
Stage 2 Review: COC - Temperature/Condition?	•			
Stage 2 Review: COC - Receipt anomalies?	•			
Stage 2 Review: COC - Sample/Methods checked?	•			
Stage 2 Review: Case Narrative - Anomalies?	•			MS/MSD %Rs out of criteria for spike prepared from FA37168-1 due to high levels of spike amount relative to parent sample. See outlier report.
Stage 2 Review: Samples - Collection date?	•			9/21/2016
Stage 2 Review: Samples - Extraction date?	•			Samples 10/13 EB 9/26
Stage 2 Review: Samples - Analysis date?	•			Samples 10/14,17 EB 9/26
Stage 2 Review: Samples - Holding time? [180 days]	•			
Stage 2 Review: Samples - Batching?	•			MP30974 / MA13485, MA13481 EB MP30879 / MA13430
Stage 2 Review: Samples - Lab qualifiers?	•			
Stage 2 Review: Calibration - ICAL? $R^2 \geq 0.99$	•			
Stage 2 Review: Calibration - ICB / CCB [$<DL$]	•			
Stage 2 Review: Calibration - ICV? [90-110%R or 10%D]	•			
Stage 2 Review: Calibration - CCV? [90-110%R or 10%D]	•			
Stage 2 Review: Low/High Level Standard [80-120%R]		•		Recovered low at 74% in low standard associated with EB-flag UJ / C12. See outlier report.
Stage 2 Review: ICSA [80-120%R or ABS value<LOD]	•			Note: The absolute value of the ICSA associated with the EB was greater than the LOD. No action was taken since the EB does not have high levels of interfering metals.
Stage 2 Review: ICSAB [80-120%R or ABS value<LOD]	•			
Stage 2 Review: Blank - Method blank? [$<DL$]	•			
Stage 2 Review: Blank - Equipment blank? [$<DL$]	•			
Stage 2 Review: Precision/Accuracy - MS/MSD? [20 RPD 81-112%R Soil 86-113% EB]		•		MS/MSD %Rs out due to spike amount low relative to the parent sample amount. No qualifiers were required. See outlier report.
Stage 2 Review: Precision/Accuracy - Post Digestion Spike? [80-120%R]		•		Post digestion spike %R out due to spike amount low relative to the parent sample amount. No qualifiers were required.
Stage 2 Review: Precision/Accuracy - Serial Dilution? [90-110%R or 10%D]	•			
Stage 2 Review: Precision/Accuracy - LCS/LCSD? [20 RPD 81-112%R Soil 86-113% EB]	•			
Stage 2 Review: Quantitation - PQLs? [225 mg/kg (ROD Range); LOD 0.2 LOQ 1.0 mg/kg]	•			DL is 0.1, LOD is 0.4; LOQ is 2 mg/kg (note - all samples and QC samples analyzed at 20X or 5X dilution; all samples were reported > LOQ).
Stage 2 Review: Quantitation - Dilution Factor?	•			
Stage 2 Review: Quantitation - Results (i.e. correct analytes)?	•			
Stage 2 Review: Field Duplicates - RPD within limits? [$RPD \leq 40$]	•			

Fort Ord
Field Duplicate Report By SDG
 BRA with KEMRON
 Units 1,2,3,7,10,33,WGBASampWP
 Field Duplicates for SDG: FA37168



Location **Analysis**
 33-01 SW6010C

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
33-01SC0000SO02 / 33-01SC0000SO02Q	FA37168-4 / FA37168-7	Lead	628	932	7.90	39.0	40	OK	NA

FD = Field Duplicate
 RL = Reporting Limit
 RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil



Qualified Results Table

Lab Sample ID	Sample ID	Sample Collection Date	Type	Method	Parameter	Original Value	Qualifier	New Value	Bias	MDL	RL	Units	Reason
FA37168-14	33-ER-01SC0000	9/21/2016	WQ-EB	SW6010C	Lead	ND	UJ	ND UJ	-	1.1	5.0	UG/L	C12

Matrix / Sample Type

Matrix	Matrix Description	Sample Code	Sample Code Description
WQ	WATER QUALITY CONTROL MATRIX	EB	Equipment Blank

Data Qualifier Definitions

Flag	Description
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.

Reason and Comment Code Definitions

Code	Description
C12	Low Level Continuing Calibration Verification was outside control limits

AUTOMATED DATA REVIEW SUMMARY for FA32430

Facility: Fort Ord

Guidance Document: I b]lg'%'&Z' ž+Z%'\$Z' ' žK ; 6 5 'GUa d`]b['K cf_ 'D`Ub': cfa Yf': cfhCfXž7 U]z:fb]Už>Ubi Ufmi&\$%

Contract Laboratory: Accutest Laboratories, Orlando, FL

Field Contractor:

Data Review Contractor:

SDG: FA32430, Certified - 5/19/2016 by emiddleditch

QC Level: S2BVEM

Project Manager: Erin Caruso

Data Reviewer: Peggy Cota

Data Reviewer Title: Project Chemist

Date of Review Report: May 19, 2016

Second Reviewer: Eric Middleditch

Completion Date of Second Reviewer:

Samples Included in SDG FA32430

Analytical Method/ Leach Method	Normal Soil Samples	Normal Water Samples	Field QC Soil Samples	Field QC Water Samples
SW6010C/NONE	4	0	1	1

AUTOMATED DATA REVIEW SUMMARY for FA32430

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by ; analyses were performed by Accutest Laboratories, Orlando, FL and were reported under sample delivery group (SDG) . Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- Equipment Blank
- Field Duplicate
- Lab Replicate RPD
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Surrogate
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Field Blank
- Initial Calibration Curve
- Initial Calibration Verification
- Instrument performance
- Internal Standards
- Material Blank
- Negative Blank
- Trip Blank
- ICP Metal QC: Serial Dilution, Post Digestion Spike and Interference Check Sample

AUTOMATED DATA REVIEW SUMMARY for FA32430

A minimum of ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 0 results (0.00%) out of the 6 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

BcbY"

Peggy Cota

Released by Peggy Cota, Project Chemist

Eric Middleditch

Released by Eric Middleditch

19-May-2016

AUTOMATED DATA REVIEW SUMMARY for FA32430

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B1	The analyte was found in an associated method blank.
B2	Calibration Blank
B3	Calibration Blank - Negative
B4	Negative Blank
B5	The analyte was found in an associated blank as well as in the sample.
C10	Continuing Calibration Verification RRF
C11	Continuing Calibration Verification percent recovery, percent difference, or percent drift
C12	Low Level Continuing Calibration Verification was outside control limits
D1	Lab Replicate RPD
D2	MS RPD exceeded established criteria.
D4	No precision available
D5	Field duplicate precision
D6	RPD of laboratory control sample exceeded criteria
D7	Field Duplicate not usable
E	Exceeds LinearCalibration Range
F	Hydrocarbon pattern does not match standard
G	Initial Calibration RRF
G1	Initial Calibration RSD
G2	Initial Calibration Verification percent recovery, percent difference, or percent drift
G3	r2 values < 0.990 in the ICAL
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
G5	Initial Calibration out for metals/inorganics
H1	Test Hold Time
H2	Prep Hold Time

AUTOMATED DATA REVIEW SUMMARY for FA32430

Reason and Comment Code Definitions

Reasons	
Code	Definition
I	Internal standard
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
K1	Detected in the associated equipment rinsate blank.
K2	Detected in the associated field (i.e., ambient) blank.
K3	Detected in the associated trip blank.
K4	Detected in the associated storage blank
K5	Detected in the associated source blank
L	Percent recovery of laboratory control sample recovery was outside established limits
L1	A common laboratory artifact was detected in the sample at a concentration less than 10X the concentration detected in the associated method blank. (Negative)
M	Matrix spike recovery was outside established criteria.
M1	Minimum matrix spike frequency was not attained
N	Blank - No Action
O	Interference check sample
P	Sample preservation/collection requirement not met.
P1	Column or detector RPD
P2	Improper preparation/extraction
Q1	Material Blank
S	Surrogate recovery out of criteria (upper or lower limit)
S1	Sample less than 50% solids
T	Receipt Temperature
T2	RSD of lab triplicate out
TI	Tentatively Identified Compound
TR	Trace Level Detect
V	Sample Receipt Condition
W	Column breakdown (pesticides)

AUTOMATED DATA REVIEW SUMMARY for FA32430

Reason and Comment Code Definitions

Reasons	
Code	Definition
X	Raised reporting limit
X1	Unresolved Isomers; no peak separation
X2	Qualified due to professional judgment, see data validation narrative.
Y	Analyte not confirmed on second column
Y1	False Positive
Y2	Sum of species greater than total result
Z	Data rejected due to radiological anomalies
Z1	Data rejected, more valid data available

Flag Code and Definitions

Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for FA32430

Batch Report

Test Method: SW6010C; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
MA13059	MP30167	NA	FIELDQC	WQ	WG-ER18	FA32430-16	MA13059	1/1	17-Mar-2016 11:09 AM	25-Mar-2016 7:44 AM	25-Mar-2016 1:39 PM	EB
	MP30167	NA	LABQC	WQ	LABQC	MP30167-B1	MA13059	1/1	25-Mar-2016 7:44 AM	25-Mar-2016 7:44 AM	25-Mar-2016 11:43 AM	BS
	MP30167	NA	LABQC	WQ	LABQC	MP30167-MB1	MA13059	1/1	25-Mar-2016 7:44 AM	25-Mar-2016 7:44 AM	25-Mar-2016 11:39 AM	LB
	MP30167	NA	LABQC	WQ	LABQC	MP30167-MB2A	MA13059	1/1	25-Mar-2016 7:44 AM	25-Mar-2016 7:44 AM	25-Mar-2016 2:06 PM	LB
MA13141	MP30325	NA	LABQC	SQ	LABQC	MP30325-B1	MA13141	1/5	06-May-2016 8:20 AM	06-May-2016 8:20 AM	06-May-2016 2:12 PM	BS
	MP30325	NA	LABQC	SQ	LABQC	MP30325-MB1	MA13141	1/5	06-May-2016 8:20 AM	06-May-2016 8:20 AM	06-May-2016 2:07 PM	LB
	MP30325	NA	WG-02	SO	WG-02SC0000	FA32430-1	MA13141	1/5	17-Mar-2016 8:25 AM	06-May-2016 8:20 AM	06-May-2016 3:48 PM	N
	MP30325	NA	WG-03	SO	WG-03SC0000	FA32430-4	MA13141	1/5	17-Mar-2016 9:05 AM	06-May-2016 8:20 AM	06-May-2016 3:52 PM	N
	MP30325	NA	WG-06	SO	WG-06SC0000	FA32430-10	MA13141	1/5	17-Mar-2016 9:41 AM	06-May-2016 8:20 AM	06-May-2016 4:10 PM	N
	MP30325	NA	WG-06	SO	WG-06SC0000Q	FA32430-11	MA13141	1/5	17-Mar-2016 9:41 AM	06-May-2016 8:20 AM	06-May-2016 4:15 PM	FD
	MP30325	NA	WG-08	SO	WG-08SC0000	FA32430-7	MA13141	1/5	17-Mar-2016 8:34 AM	06-May-2016 8:20 AM	06-May-2016 3:57 PM	N

AUTOMATED DATA REVIEW SUMMARY for FA32430

Field Batch Report

Test Method: SW6010C		Leach Method: NONE						
EBLLOT	TBLOT	ABLLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
17031601			FIELDQC	WQ	WG-ER18	FA32430-16	3/17/2016 11:09:00 AM	EB
17031601			WG-03	SO	WG-03SC0000	FA32430-4	3/17/2016 9:05:00 AM	N
17031601			WG-06	SO	WG-06SC0000	FA32430-10	3/17/2016 9:41:00 AM	N
17031601			WG-06	SO	WG-06SC0000Q	FA32430-11	3/17/2016 9:41:00 AM	FD

QC Outlier Report

--No Records Found--

Qualified Results

--No Records Found--

Detected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	WG-02SC0000	N	Lead	2.0	130	130	MG/KG	
SW6010C/NONE	SO	WG-03SC0000	N	Lead	2.0	20.1	20.1	MG/KG	
SW6010C/NONE	SO	WG-06SC0000	N	Lead	1.9	21.1	21.1	MG/KG	
SW6010C/NONE	SO	WG-06SC0000Q	FD	Lead	2.0	24.7	24.7	MG/KG	
SW6010C/NONE	SO	WG-08SC0000	N	Lead	1.9	70.0	70.0	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for FA32430

Rejected Results

--No Records Found--

Automated Data Review Detail Report for FA32430

Fort Ord_Basewide Range Assessment Spring 2016

Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California



Review Questions

Method:SW6010C Soil and aqueous EB				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	•			
Stage 2 Review: COC - Temperature/Condition?	•			
Stage 2 Review: COC - Receipt anomalies?	•			
Stage 2 Review: COC - Sample/Methods checked?	•			
Stage 2 Review: Case Narrative - Anomalies?	•			
Stage 2 Review: Samples - Collection date?	•			3/17/2016
Stage 2 Review: Samples - Extraction date?	•			Soil 5/6/16 / EB 3/25/16
Stage 2 Review: Samples - Analysis date?	•			Soil 5/6/16 / EB 3/25/16
Stage 2 Review: Samples - Holding time? [180 days]	•			
Stage 2 Review: Samples - Batching?	•			Soil MP30325 / MA13141 EB MP30167 / MA13059
Stage 2 Review: Samples - Lab qualifiers?	•			
Stage 2 Review: Calibration - ICAL? $R^2 \geq 0.99$	•			
Stage 2 Review: Calibration - ICB / CCB [$<DL$]	•			
Stage 2 Review: Calibration - ICV? [90-110%R or 10%D]	•			
Stage 2 Review: Calibration - CCV? [90-110%R or 10%D]	•			
Stage 2 Review: Low/High Level Standard [80-120%R]	•			
Stage 2 Review: ICSA [80-120%R or ABS value<LOD]	•			
Stage 2 Review: ICSAB [80-120%R or ABS value<LOD]	•			
Stage 2 Review: Blank - Method blank? [$<DL$]	•			
Stage 2 Review: Blank - Equipment blank? [$<DL$]	•			
Stage 2 Review: Precision/Accuracy - MS/MSD? [20 RPD 81-112%R Soil 86-113% EB]	•			Nonsdg samples used for spike. Evaluate RPD only.
Stage 2 Review: Precision/Accuracy - Post Digestion Spike? [80-120%R]			•	Nonsdg samples used for spike.
Stage 2 Review: Precision/Accuracy - Serial Dilution? [90-110%R or 10%D]			•	Nonsdg samples used for serial dilution..
Stage 2 Review: Precision/Accuracy - LCS/LCSD? [20 RPD 81-112%R Soil 86-113% EB]	•			
Stage 2 Review: Quantitation - PQLs? [225 mg/kg (ROD Range); LOD 0.2 LOQ 1.0 mg/kg]	•			DL 0.1, LOD is 0.4; LOQ is 2 mg/kg (note - all samples and QC samples analyzed at 5X dilution; all samples were reported > LOQ).
Stage 2 Review: Quantitation - Dilution Factor?	•			
Stage 2 Review: Quantitation - Results (i.e. correct analytes)?	•			
Stage 2 Review: Field Duplicates - RPD within limits? [$RPD \leq 40$]	•			Samples 10/11

Fort Ord_Basewide Range Assessment Spring 2016

Field Duplicate Report By SDG

BRA with KEMRON

Units 1,2,3,7,10,33,WGBASampWP

Field Duplicates for SDG: FA32430



Location **Analysis**
WG-06 SW6010C

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
WG-06SC0000 / WG-06SC0000Q	FA32430-10 / FA32430-11	Lead	21.1	24.7	1.90	15.7	40	OK	NA

FD = Field Duplicate
RL = Reporting Limit
RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil

AUTOMATED DATA REVIEW SUMMARY for FA32429

Facility: Fort Ord

Guidance Document: I b]hg %&Z' ž+ž%\$Z' ' ŽK ; 65 `GUa d`]b[`K cf_`D`Ub: cfa Yf': cfhCfXž7 U]Zfb]Už>Ubi Ufmi&\$%

Contract Laboratory: Accutest Laboratories, Orlando, FL

Field Contractor:

Data Review Contractor:

SDG: FA32429, Certified - 5/19/2016 by emiddleditch

QC Level: S2BVEM

Project Manager: Erin Caruso

Data Reviewer: Peggy Cota

Data Reviewer Title: Project Chemist

Date of Review Report: May 21, 2016

Second Reviewer: Eric Middleditch

Completion Date of Second Reviewer:

Samples Included in SDG FA32429

Analytical Method/ Leach Method	Normal Soil Samples	Normal Water Samples	Field QC Soil Samples	Field QC Water Samples
SW6010C/NONE	9	0	2	1

AUTOMATED DATA REVIEW SUMMARY for FA3& &

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by ; analyses were performed by Accutest Laboratories, Orlando, FL and were reported under sample delivery group (SDG) . Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- Equipment Blank
- Field Duplicate
- Lab Replicate RPD
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Surrogate
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Field Blank
- Initial Calibration Curve
- Initial Calibration Verification
- Instrument performance
- Internal Standards
- Material Blank
- Negative Blank
- Trip Blank
- ICP Metal QC: Serial Dilution, Post Digestion Spike and Interference Check Sample

AUTOMATED DATA REVIEW SUMMARY for FA32429

A minimum of ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 3 results (25.00%) out of the 12 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

BcbY"

Peggy Cota

Released by Peggy Cota, Project Chemist

Eric Middleditch

Released by Eric Middleditch

21-May-2016

AUTOMATED DATA REVIEW SUMMARY for FA32429

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B1	The analyte was found in an associated method blank.
B2	Calibration Blank
B3	Calibration Blank - Negative
B4	Negative Blank
B5	The analyte was found in an associated blank as well as in the sample.
C10	Continuing Calibration Verification RRF
C11	Continuing Calibration Verification percent recovery, percent difference, or percent drift
C12	Low Level Continuing Calibration Verification was outside control limits
D1	Lab Replicate RPD
D2	MS RPD exceeded established criteria.
D4	No precision available
D5	Field duplicate precision
D6	RPD of laboratory control sample exceeded criteria
D7	Field Duplicate not usable
E	Exceeds LinearCalibration Range
F	Hydrocarbon pattern does not match standard
G	Initial Calibration RRF
G1	Initial Calibration RSD
G2	Initial Calibration Verification percent recovery, percent difference, or percent drift
G3	r2 values < 0.990 in the ICAL
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
G5	Initial Calibration out for metals/inorganics
H1	Test Hold Time
H2	Prep Hold Time

AUTOMATED DATA REVIEW SUMMARY for FA32429

Reason and Comment Code Definitions

Reasons	
Code	Definition
I	Internal standard
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
K1	Detected in the associated equipment rinsate blank.
K2	Detected in the associated field (i.e., ambient) blank.
K3	Detected in the associated trip blank.
K4	Detected in the associated storage blank
K5	Detected in the associated source blank
L	Percent recovery of laboratory control sample recovery was outside established limits
L1	A common laboratory artifact was detected in the sample at a concentration less than 10X the concentration detected in the associated method blank. (Negative)
M	Matrix spike recovery was outside established criteria.
M1	Minimum matrix spike frequency was not attained
N	Blank - No Action
O	Interference check sample
P	Sample preservation/collection requirement not met.
P1	Column or detector RPD
P2	Improper preparation/extraction
Q1	Material Blank
S	Surrogate recovery out of criteria (upper or lower limit)
S1	Sample less than 50% solids
T	Receipt Temperature
T2	RSD of lab triplicate out
TI	Tentatively Identified Compound
TR	Trace Level Detect
V	Sample Receipt Condition
W	Column breakdown (pesticides)

AUTOMATED DATA REVIEW SUMMARY for FA32429

Reason and Comment Code Definitions

Reasons	
Code	Definition
X	Raised reporting limit
X1	Unresolved Isomers; no peak separation
X2	Qualified due to professional judgment, see data validation narrative.
Y	Analyte not confirmed on second column
Y1	False Positive
Y2	Sum of species greater than total result
Z	Data rejected due to radiological anomalies
Z1	Data rejected, more valid data available

Flag Code and Definitions

Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for FA32429

Batch Report

Test Method: SW6010C; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
MA13059	MP30167	NA	FIELDQC	WQ	WG-ER17	FA32429-16	MA13059	1/1	16-Mar-2016 2:55 PM	25-Mar-2016 7:44 AM	25-Mar-2016 1:35 PM	EB
	MP30167	NA	LABQC	WQ	LABQC	MP30167-B1	MA13059	1/1	25-Mar-2016 7:44 AM	25-Mar-2016 7:44 AM	25-Mar-2016 11:43 AM	BS
	MP30167	NA	LABQC	WQ	LABQC	MP30167-MB1	MA13059	1/1	25-Mar-2016 7:44 AM	25-Mar-2016 7:44 AM	25-Mar-2016 11:39 AM	LB
	MP30167	NA	LABQC	WQ	LABQC	MP30167-MB2A	MA13059	1/1	25-Mar-2016 7:44 AM	25-Mar-2016 7:44 AM	25-Mar-2016 2:06 PM	LB
MA13141	MP30325	NA	01-01	SO	01-01SC0000	FA32429-7	MA13141	1/5	16-Mar-2016 10:25 AM	06-May-2016 8:20 AM	06-May-2016 3:00 PM	N
	MP30325	NA	01-01	SO	01-01SC0000Q	FA32429-8	MA13141	1/5	16-Mar-2016 10:25 AM	06-May-2016 8:20 AM	06-May-2016 3:04 PM	FD
	MP30325	NA	01-02	SO	01-02SC0000	MP30325-D1	MA13141	1/5	16-Mar-2016 8:40 AM	06-May-2016 8:20 AM	06-May-2016 2:29 PM	LR
	MP30325	NA	01-02	SO	01-02SC0000	MP30325-S1	MA13141	1/5	16-Mar-2016 8:40 AM	06-May-2016 8:20 AM	06-May-2016 2:47 PM	MS
	MP30325	NA	01-02	SO	01-02SC0000	FA32429-1	MA13141	1/5	16-Mar-2016 8:40 AM	06-May-2016 8:20 AM	06-May-2016 2:25 PM	N
	MP30325	NA	01-02	SO	01-02SC0000	MP30325-S2	MA13141	1/5	16-Mar-2016 8:40 AM	06-May-2016 8:20 AM	06-May-2016 2:51 PM	SD
	MP30325	NA	01-10	SO	01-10SC0000	FA32429-4	MA13141	1/5	16-Mar-2016 9:25 AM	06-May-2016 8:20 AM	06-May-2016 2:55 PM	N
	MP30325	NA	33-02	SO	33-02SC0000	FA32429-26	MA13141	1/5	16-Mar-2016 10:55 AM	06-May-2016 8:20 AM	06-May-2016 3:35 PM	N
	MP30325	NA	33-05	SO	33-05SC0000	FA32429-23	MA13141	1/5	16-Mar-2016 10:15 AM	06-May-2016 8:20 AM	06-May-2016 3:30 PM	N
	MP30325	NA	33-08	SO	33-08SC0000	FA32429-17	MA13141	1/5	16-Mar-2016 8:45 AM	06-May-2016 8:20 AM	06-May-2016 3:22 PM	N
	MP30325	NA	33-08	SO	33-08SC0000Q	FA32429-18	MA13141	1/5	16-Mar-2016 8:45 AM	06-May-2016 8:20 AM	06-May-2016 3:26 PM	FD
	MP30325	NA	33-12	SO	33-12SC0000	FA32429-29	MA13141	1/5	16-Mar-2016 11:30 AM	06-May-2016 8:20 AM	06-May-2016 3:39 PM	N
	MP30325	NA	LABQC	SQ	LABQC	MP30325-B1	MA13141	1/5	06-May-2016 8:20 AM	06-May-2016 8:20 AM	06-May-2016 2:12 PM	BS
	MP30325	NA	LABQC	SQ	LABQC	MP30325-MB1	MA13141	1/5	06-May-2016 8:20 AM	06-May-2016 8:20 AM	06-May-2016 2:07 PM	LB
	MP30325	NA	WG-01	SO	WG-01SC0000	FA32429-13	MA13141	1/5	16-Mar-2016 12:50 PM	06-May-2016 8:20 AM	06-May-2016 3:17 PM	N
	MP30325	NA	WG-09	SO	WG-09SC0000	FA32429-32	MA13141	1/5	16-Mar-2016 1:35 PM	06-May-2016 8:20 AM	06-May-2016 3:44 PM	N

AUTOMATED DATA REVIEW SUMMARY for FA32429

Field Batch Report

Test Method: SW6010C

Leach Method: NONE

EBLOT	TBLOT	ABLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
16031601			FIELDQC	WQ	WG-ER17	FA32429-16	3/16/2016 2:55:00 PM	EB
16031601			WG-01	SO	WG-01SC0000	FA32429-13	3/16/2016 12:50:00 PM	N
16031601			WG-09	SO	WG-09SC0000	FA32429-32	3/16/2016 1:35:00 PM	N

AUTOMATED DATA REVIEW SUMMARY for FA32429

QC Outlier Report

Test/Prep	QC Element	Sample ID	Run# / Dil'n	Analyte	Result	Units	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
SW6010C / SW3050B	MS Recovery	01-02SC0000 (SD)	1 / 5.00	Lead	113	Percent	J/None	81 - 112	50 - 122	M			
Á	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á			
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AUTOMATED DATA REVIEW SUMMARY for FA32429

Qualified Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	01-02SC0000	N	Lead	2.0	15.8	15.8 J	MG/KG	M
SW6010C/NONE	SO	33-08SC0000	N	Lead	1.9	7.5	7.5 J	MG/KG	D5
SW6010C/NONE	SO	33-08SC0000Q	FD	Lead	2.0	22.4	22.4 J	MG/KG	D5

AUTOMATED DATA REVIEW SUMMARY for FA32429

Detected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	01-01SC0000	N	Lead	1.9	81.2	81.2	MG/KG	
SW6010C/NONE	SO	01-01SC0000Q	FD	Lead	2.0	57.2	57.2	MG/KG	
SW6010C/NONE	SO	01-02SC0000	N	Lead	2.0	15.8	15.8 J	MG/KG	M
SW6010C/NONE	SO	01-10SC0000	N	Lead	2.0	84.8	84.8	MG/KG	
SW6010C/NONE	SO	33-02SC0000	N	Lead	1.9	9.8	9.8	MG/KG	
SW6010C/NONE	SO	33-05SC0000	N	Lead	1.9	12.3	12.3	MG/KG	
SW6010C/NONE	SO	33-08SC0000	N	Lead	1.9	7.5	7.5 J	MG/KG	D5
SW6010C/NONE	SO	33-08SC0000Q	FD	Lead	2.0	22.4	22.4 J	MG/KG	D5
SW6010C/NONE	SO	33-12SC0000	N	Lead	2.0	2.3	2.3	MG/KG	
SW6010C/NONE	SO	WG-01SC0000	N	Lead	2.0	42.5	42.5	MG/KG	
SW6010C/NONE	SO	WG-09SC0000	N	Lead	1.9	6.7	6.7	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for FA32429

Rejected Results

--No Records Found--

Automated Data Review Detail Report for FA32429

Fort Ord Basewide Range Assessment Spring 2016

Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California



Review Questions

Method:SW6010C Soil and Aqueous EB				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	•			
Stage 2 Review: COC - Temperature/Condition?	•			
Stage 2 Review: COC - Receipt anomalies?	•			
Stage 2 Review: COC - Sample/Methods checked?	•			
Stage 2 Review: Case Narrative - Anomalies?	•			Parent Sample 01-02SC0000 (FA32429-1) post digestion spike out.
Stage 2 Review: Samples - Collection date?	•			3/16/2016
Stage 2 Review: Samples - Extraction date?	•			Soil 5/6/2016 EB 3/25/2016
Stage 2 Review: Samples - Analysis date?	•			Soil 5/6/2016 EB 3/25/2016
Stage 2 Review: Samples - Holding time? [180 days]	•			
Stage 2 Review: Samples - Batching?	•			Soil MP30325 / MA13141 EB MP30167 / MA13059
Stage 2 Review: Samples - Lab qualifiers?	•			
Stage 2 Review: Calibration - ICAL? $R^2 \geq 0.99$	•			
Stage 2 Review: Calibration - ICB / CCB [$<DL$]	•			
Stage 2 Review: Calibration - ICV? [90-110%R or 10%D]	•			
Stage 2 Review: Calibration - CCV? [90-110%R or 10%D]	•			
Stage 2 Review: Low/High Level Standard [80-120%R]	•			
Stage 2 Review: ICESA [80-120%R or ABS value $<LOD$]	•			
Stage 2 Review: ICESA [80-120%R or ABS value $<LOD$]	•			
Stage 2 Review: Blank - Method blank? [$<DL$]	•			
Stage 2 Review: Blank - Equipment blank? [$<DL$]	•			
Stage 2 Review: Precision/Accuracy - MS/MSD? [20 RPD 81-112%R Soil 86-113% EB]		•		Parent Sample 01-02SC0000 (FA32429-1) MSD out. See QC Outlier Report.
Stage 2 Review: Precision/Accuracy - Post Digestion Spike? [80-120%R]	•			Parent Sample 01-02SC0000 (FA32429-1) Post digestion spike out due to high levels of lead in sample relative to spike amount.
Stage 2 Review: Precision/Accuracy - Serial Dilution? [90-110%R or 10%D]	•			
Stage 2 Review: Precision/Accuracy - LCS/LCSD? [20 RPD 81-112%R Soil 86-113% EB]	•			
Stage 2 Review: Quantitation - PQLs? [225 mg/kg (ROD Range); LOD 0.2 LOQ 1.0 mg/kg]	•			DL is 0.1, LOD is 0.4; LOQ is 2 mg/kg (note - all samples and QC samples analyzed at 5X dilution; all samples were reported $> LOQ$).
Stage 2 Review: Quantitation - Dilution Factor?	•			
Stage 2 Review: Quantitation - Results (i.e. correct analytes)?	•			
Stage 2 Review: Field Duplicates - RPD within limits? [$RPD \leq 40$]	•	•		Samples 7/8 and 17/18. RPD out in 17/18. See QC Outlier Report.

Fort Ord_Basewide Range Assessment Spring 2016

Field Duplicate Report By SDG

BRA with KEMRON

Units 1,2,3,7,10,33,WGBASampWP

Field Duplicates for SDG: FA32429



Location	Analysis
01-01	SW6010C

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
01-01SC0000 / 01-01SC0000Q	FA32429-7 / FA32429-8	Lead	81.2	57.2	1.90	34.7	40	OK	NA

Location	Analysis
33-08	SW6010C

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
33-08SC0000 / 33-08SC0000Q	FA32429-17 / FA32429-18	Lead	7.50	22.4	1.90	99.7	40	NA	14.9

FD = Field Duplicate
 RL = Reporting Limit
 RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil

Qualified Results Table

Lab Sample ID	Sample ID	Sample Collection Date	Type	Method	Parameter	Original Value	Qualifier	New Value	Bias	MDL	RL	Units	Reason
FA32429-1	01-02SC0000	3/16/2016	SO-N	SW6010C	Lead	15.8	J	15.8 J	+	0.098	2.0	MG/KG	M
FA32429-17	33-08SC0000	3/16/2016	SO-N	SW6010C	Lead	7.5	J	7.5 J		0.094	1.9	MG/KG	D5
FA32429-18	33-08SC0000Q	3/16/2016	SO-FD	SW6010C	Lead	22.4	J	22.4 J		0.10	2.0	MG/KG	D5

Matrix / Sample Type

Matrix	Matrix Description	Sample Code	Sample Code Description
SO	SOIL	FD	Field Duplicate
SO	SOIL	N	Normal

Data Qualifier Definitions

Flag	Description
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.

Reason and Comment Code Definitions

Code	Description
D5	Field duplicate precision
M	Matrix spike recovery was outside established criteria.

AUTOMATED DATA REVIEW SUMMARY for FA32307_rev1

Facility: Fort Ord

Guidance Document: I b]hg %&Z' ž+ž%\$Z' ' ŽK ; 65 `GUa d`]b[`K cf_`D`Ub: cfa Yf': cfhCfXž7 U]Zfb]Už>Ubi Ufmi&\$%

Contract Laboratory: Accutest Laboratories, Orlando, FL

Field Contractor:

Data Review Contractor:

SDG: FA32307_rev1, Certified - 6/1/2016 by emiddleditch

QC Level: S2BVEM

Project Manager: Erin Caruso

Data Reviewer: Peggy Cota

Data Reviewer Title: Project Chemist

Date of Review Report: June 02, 2016

Second Reviewer: Eric Middleditch

Completion Date of Second Reviewer:

Samples Included in SDG FA32307_rev1

Analytical Method/ Leach Method	Normal Soil Samples	Normal Water Samples	Field QC Soil Samples	Field QC Water Samples
SW6010C/NONE	12	0	1	1

AUTOMATED DATA REVIEW SUMMARY for FA32307

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by ; analyses were performed by Accutest Laboratories, Orlando, FL and were reported under sample delivery group (SDG) . Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- Equipment Blank
- Field Duplicate
- Lab Replicate RPD
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Surrogate
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Field Blank
- Initial Calibration Curve
- Initial Calibration Verification
- Instrument performance
- Internal Standards
- Material Blank
- Negative Blank
- Trip Blank
- ICP Metal QC: Serial Dilution, Post Digestion Spike and Interference Check Sample

AUTOMATED DATA REVIEW SUMMARY for FA32307_rev1

A minimum of ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 2 results (14.29%) out of the 14 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

None.

Peggy Cota

Released by Peggy Cota, Project Chemist

Eric Middleditch

Released by Eric Middleditch

02-Jun-2016

AUTOMATED DATA REVIEW SUMMARY for FA32307_rev1

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B1	The analyte was found in an associated method blank.
B2	Calibration Blank
B3	Calibration Blank - Negative
B4	Negative Blank
B5	The analyte was found in an associated blank as well as in the sample.
C10	Continuing Calibration Verification RRF
C11	Continuing Calibration Verification percent recovery, percent difference, or percent drift
C12	Low Level Continuing Calibration Verification was outside control limits
D1	Lab Replicate RPD
D2	MS RPD exceeded established criteria.
D4	No precision available
D5	Field duplicate precision
D6	RPD of laboratory control sample exceeded criteria
D7	Field Duplicate not usable
E	Exceeds LinearCalibration Range
F	Hydrocarbon pattern does not match standard
G	Initial Calibration RRF
G1	Initial Calibration RSD
G2	Initial Calibration Verification percent recovery, percent difference, or percent drift
G3	r2 values < 0.990 in the ICAL
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
G5	Initial Calibration out for metals/inorganics
H1	Test Hold Time
H2	Prep Hold Time

AUTOMATED DATA REVIEW SUMMARY for FA32307_rev1

Reason and Comment Code Definitions

Reasons	
Code	Definition
I	Internal standard
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
K1	Detected in the associated equipment rinsate blank.
K2	Detected in the associated field (i.e., ambient) blank.
K3	Detected in the associated trip blank.
K4	Detected in the associated storage blank
K5	Detected in the associated source blank
L	Percent recovery of laboratory control sample recovery was outside established limits
L1	A common laboratory artifact was detected in the sample at a concentration less than 10X the concentration detected in the associated method blank. (Negative)
M	Matrix spike recovery was outside established criteria.
M1	Minimum matrix spike frequency was not attained
N	Blank - No Action
O	Interference check sample
P	Sample preservation/collection requirement not met.
P1	Column or detector RPD
P2	Improper preparation/extraction
Q1	Material Blank
S	Surrogate recovery out of criteria (upper or lower limit)
S1	Sample less than 50% solids
T	Receipt Temperature
T2	RSD of lab triplicate out
TI	Tentatively Identified Compound
TR	Trace Level Detect
V	Sample Receipt Condition
W	Column breakdown (pesticides)

AUTOMATED DATA REVIEW SUMMARY for FA32307_rev1

Reason and Comment Code Definitions

Reasons	
Code	Definition
X	Raised reporting limit
X1	Unresolved Isomers; no peak separation
X2	Qualified due to professional judgment, see data validation narrative.
Y	Analyte not confirmed on second column
Y1	False Positive
Y2	Sum of species greater than total result
Z	Data rejected due to radiological anomalies
Z1	Data rejected, more valid data available

Flag Code and Definitions

Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for FA32307_rev1

Batch Report

Test Method: SW6010C; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
MA13055	MP30160	NA	FIELDQC	WQ	33-ER16	FA32307-40	MA13055	1/1	15-Mar-2016 3:40 PM	24-Mar-2016 8:40 AM	24-Mar-2016 2:54 PM	EB
	MP30160	NA	LABQC	WQ	LABQC	MP30160-B1	MA13055	1/1	24-Mar-2016 8:40 AM	24-Mar-2016 8:40 AM	24-Mar-2016 11:52 AM	BS
	MP30160	NA	LABQC	WQ	LABQC	MP30160-MB1	MA13055	1/1	24-Mar-2016 8:40 AM	24-Mar-2016 8:40 AM	24-Mar-2016 11:46 AM	LB
MA13139	MP30322	NA	01-03	SO	01-03SC0000	FA32307-4	MA13139	1/5	15-Mar-2016 9:15 AM	05-May-2016 8:00 AM	05-May-2016 2:05 PM	N
	MP30322	NA	01-04	SO	01-04SC0000	MP30322-D1	MA13139	1/5	15-Mar-2016 8:30 AM	05-May-2016 8:00 AM	05-May-2016 1:43 PM	LR
	MP30322	NA	01-04	SO	01-04SC0000	MP30322-S1	MA13139	1/5	15-Mar-2016 8:30 AM	05-May-2016 8:00 AM	05-May-2016 1:56 PM	MS
	MP30322	NA	01-04	SO	01-04SC0000	FA32307-1	MA13139	1/5	15-Mar-2016 8:30 AM	05-May-2016 8:00 AM	05-May-2016 1:39 PM	N
	MP30322	NA	01-04	SO	01-04SC0000	MP30322-S2	MA13139	1/5	15-Mar-2016 8:30 AM	05-May-2016 8:00 AM	05-May-2016 2:00 PM	SD
	MP30322	NA	01-06	SO	01-06SC0000	FA32307-10	MA13139	1/5	15-Mar-2016 12:20 PM	05-May-2016 8:00 AM	05-May-2016 2:09 PM	N
	MP30322	NA	01-07	SO	01-07SC0000	FA32307-7	MA13139	1/5	15-Mar-2016 10:20 AM	05-May-2016 8:00 AM	05-May-2016 3:19 PM	N
	MP30322	NA	01-11	SO	01-11SC0000	FA32307-13	MA13139	1/5	15-Mar-2016 1:40 PM	05-May-2016 8:00 AM	05-May-2016 2:22 PM	N
	MP30322	NA	01-12	SO	01-12SC0000	FA32307-16	MA13139	1/5	15-Mar-2016 2:15 PM	05-May-2016 8:00 AM	05-May-2016 2:26 PM	N
	MP30322	NA	33-03	SO	33-03SC0000	FA32307-31	MA13139	1/5	15-Mar-2016 12:50 PM	05-May-2016 8:00 AM	05-May-2016 2:53 PM	N
	MP30322	NA	33-03	SO	33-03SC0000Q	FA32307-32	MA13139	1/5	15-Mar-2016 12:50 PM	05-May-2016 8:00 AM	05-May-2016 2:57 PM	FD
	MP30322	NA	33-04	SO	33-04SC0000	FA32307-22	MA13139	1/5	15-Mar-2016 9:30 AM	05-May-2016 8:00 AM	05-May-2016 2:35 PM	N
	MP30322	NA	33-06	SO	33-06SC0000	FA32307-25	MA13139	1/5	15-Mar-2016 10:20 AM	05-May-2016 8:00 AM	05-May-2016 2:44 PM	N
	MP30322	NA	33-07	SO	33-07SC0000	FA32307-19	MA13139	1/5	15-Mar-2016 8:45 AM	05-May-2016 8:00 AM	05-May-2016 2:31 PM	N
	MP30322	NA	33-09	SO	33-09SC0000	FA32307-37	MA13139	1/5	15-Mar-2016 1:45 PM	05-May-2016 8:00 AM	05-May-2016 3:01 PM	N
	MP30322	NA	33-13	SO	33-13SC0000	FA32307-28	MA13139	1/5	15-Mar-2016 11:08 AM	05-May-2016 8:00 AM	05-May-2016 2:48 PM	N
	MP30322	NA	LABQC	SQ	LABQC	MP30322-B1	MA13139	1/5	05-May-2016 8:00 AM	05-May-2016 8:00 AM	05-May-2016 1:34 PM	BS
	MP30322	NA	LABQC	SQ	LABQC	MP30322-MB1	MA13139	1/5	05-May-2016 8:00 AM	05-May-2016 8:00 AM	05-May-2016 1:30 PM	LB

AUTOMATED DATA REVIEW SUMMARY for FA32307_rev1

Field Batch Report

Test Method: SW6010C		Leach Method: NONE						
EBLOT	TBLOT	ABLOT	LOCID	Matrix	FLDSAMPID	LABSAMPID	LOGDATE	SACODE
15031601			FIELDQC	WQ	33-ER16	FA32307-40	3/15/2016 3:40:00 PM	EB
15031601			33-03	SO	33-03SC0000	FA32307-31	3/15/2016 12:50:00 PM	N
15031601			33-03	SO	33-03SC0000Q	FA32307-32	3/15/2016 12:50:00 PM	FD
15031601			33-09	SO	33-09SC0000	FA32307-37	3/15/2016 1:45:00 PM	N

QC Outlier Report

Test/Prep	Sample ID	Run# / Dil'n	Analyte	Result	Units	Qualifier	Warning Limits	Contro	Reason	Commer Rule	Action Level
SW6010C	33-03SC0000Q FA32307-32	1 / 5.00	Lead	104	RPD	J/UJ	< 40	<80	D5		

Qualified Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	01-03SC0000	N	Lead	2.0	1.3	1.3 J	MG/KG	TR
SW6010C/NONE	SO	33-03SC0000	N	Lead	2.0	10.3	10.3 J	MG/KG	D5
SW6010C/NONE	SO	33-03SC0000Q	FD	Lead	2.0	3.2	3.2 J	MG/KG	D5

AUTOMATED DATA REVIEW SUMMARY for FA32307_rev1

Detected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	01-03SC0000	N	Lead	2.0	1.3	1.3 J	MG/KG	TR
SW6010C/NONE	SO	01-04SC0000	N	Lead	1.9	6.8	6.8	MG/KG	
SW6010C/NONE	SO	01-06SC0000	N	Lead	1.9	9.7	9.7	MG/KG	
SW6010C/NONE	SO	01-07SC0000	N	Lead	2.0	6.0	6.0	MG/KG	
SW6010C/NONE	SO	01-11SC0000	N	Lead	2.0	9.5	9.5	MG/KG	
SW6010C/NONE	SO	01-12SC0000	N	Lead	2.0	39.2	39.2	MG/KG	
SW6010C/NONE	SO	33-03SC0000	N	Lead	2.0	10.3	10.3 J	MG/KG	D5
SW6010C/NONE	SO	33-03SC0000Q	FD	Lead	2.0	3.2	3.2 J	MG/KG	D5
SW6010C/NONE	SO	33-04SC0000	N	Lead	1.9	3.0	3.0	MG/KG	
SW6010C/NONE	SO	33-06SC0000	N	Lead	2.0	8.5	8.5	MG/KG	
SW6010C/NONE	SO	33-07SC0000	N	Lead	2.0	4.0	4.0	MG/KG	
SW6010C/NONE	SO	33-09SC0000	N	Lead	1.9	148	148	MG/KG	
SW6010C/NONE	SO	33-13SC0000	N	Lead	2.0	12.4	12.4	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for FA32307_rev1

Rejected Results

--No Records Found--

Automated Data Review Detail Report for FA32307

Fort Ord_Basewide Range Assessment Spring 2016

Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California



Review Questions

Method:SW6010C				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	•			
Stage 2 Review: COC - Temperature/Condition?	•			
Stage 2 Review: COC - Receipt anomalies?	•			
Stage 2 Review: COC - Sample/Methods checked?	•			
Stage 2 Review: Case Narrative - Anomalies?	•			Lab Report was revised to correct reported results for samples and QC samples due to incorrect prep factor used in initial report.
Stage 2 Review: Samples - Collection date?	•			3/15/2016
Stage 2 Review: Samples - Extraction date?	•			Soil 5/5/16 EB 3/24/16
Stage 2 Review: Samples - Analysis date?	•			Soil 5/5/16 EB 3/24/16
Stage 2 Review: Samples - Holding time? [180 days]	•			
Stage 2 Review: Samples - Batching?	•			Soil MP30322 / MA13139 EB MP30160 / MA13055
Stage 2 Review: Samples - Lab qualifiers?	•			J for trace
Stage 2 Review: Calibration - ICAL? $R^2 \geq 0.99$	•			
Stage 2 Review: Calibration - ICB / CCB [$<DL$]	•			
Stage 2 Review: Calibration - ICV? [90-110%R or 10%D]	•			
Stage 2 Review: Calibration - CCV? [90-110%R or 10%D]	•			
Stage 2 Review: Low/High Level Standard [80-120%R]	•			
Stage 2 Review: ICSA [80-120%R or ABS value<LOD]	•			
Stage 2 Review: ICSAB [80-120%R or ABS value<LOD]	•			
Stage 2 Review: Blank - Method blank? [$<DL$]	•			
Stage 2 Review: Blank - Equipment blank? [$<DL$]	•			
Stage 2 Review: Precision/Accuracy - MS/MSD? [20 RPD 81-112%R Soil 86-113% EB]	•			Sample 01-04SC0000 (FA32307-1) used as parent.
Stage 2 Review: Precision/Accuracy - Post Digestion Spike? [80-120%R]	•			
Stage 2 Review: Precision/Accuracy - Serial Dilution? [90-110%R or 10%D]	•			
Stage 2 Review: Precision/Accuracy - LCS/LCSD? [20 RPD 81-112%R Soil 86-113% EB]	•			
Stage 2 Review: Quantitation - PQLs? [225 mg/kg (ROD Range); LOD 0.2 LOQ 1.0 mg/kg]	•			DL 0.1, LOD is 0.4; LOQ is 2 mg/kg (note - all samples and QC samples analyzed at 5X dilution; all samples were reported as trace (1 result) or > LOQ).
Stage 2 Review: Quantitation - Dilution Factor?	•			
Stage 2 Review: Quantitation - Results (i.e. correct analytes)?	•			
Stage 2 Review: Field Duplicates - RPD within limits? [$RPD \leq 40$]	•			Samples 31/32. RPD out. See QC Outlier Report.

Fort Ord_Basewide Range Assessment Spring 2016

Field Duplicate Report By SDG

BRA with KEMRON

Units 1,2,3,7,10,33,WGBASampWP

Field Duplicates for SDG: FA32307_rev1



Location **Analysis**
33-03 SW6010C

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
33-03SC0000 / 33-03SC0000Q	FA32307-31 / FA32307-32	Lead	10.3	3.20	2.00	105	35	NA	7.1

FD = Field Duplicate
RL = Reporting Limit
RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil



Qualified Results Table

Lab Sample ID	Sample ID	Sample Collection Date	Type	Method	Parameter	Original Value	Qualifier	New Value	Bias	MDL	RL	Units	Reason
FA32307-4	01-03SC0000	3/15/2016	SO-N	SW6010C	Lead	1.3	J	1.3 J		0.098	2.0	MG/KG	TR
FA32307-31	33-03SC0000	3/15/2016	SO-N	SW6010C	Lead	10.3	J	10.3 J		0.10	2.0	MG/KG	D5
FA32307-32	33-03SC0000Q	3/15/2016	SO-FD	SW6010C	Lead	3.2	J	3.2 J		0.098	2.0	MG/KG	D5

Matrix / Sample Type

Matrix	Matrix Description	Sample Code	Sample Code Description
SO	SOIL	FD	Field Duplicate
SO	SOIL	N	Normal

Data Qualifier Definitions

Flag	Description
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.

Reason and Comment Code Definitions

Code	Description
D5	Field duplicate precision
M	Matrix spike recovery was outside established criteria.

AUTOMATED DATA REVIEW SUMMARY for FA32306RR

Facility: Fort Ord

Guidance Document:I b]hg '%&Z' ž+ž%\$Z' ' ŽK ' ; 6 5 'GUa d`]b['K cf_'D`Ub': cfa Yf': cfhCfXž7 U]z:fb]Už>Ubi Ufmi&\$%

Contract Laboratory: SGS Accutest Southeast

Field Contractor:

Data Review Contractor:

SDG: FA32306RR, Certified - 1/20/2017 by nfarmer

QC Level: S2BVEM

Project Manager: Erin Caruso

Data Reviewer: Peggy Cota

Data Reviewer Title: Project Chemist

Date of Review Report: January 22, 2017

Second Reviewer: Evelyn Dawson

Completion Date of Second Reviewer:

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Analytical Method/ Leach Method	Normal Soil Samples	Field QC Soil Samples
SW6010C/NONE	1	0

AUTOMATED DATA REVIEW SUMMARY for FA32306RR

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by ; analyses were performed by SGS Accutest Southeast and were reported under sample delivery group (SDG) . Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- LCS Recovery
- Prep Hold Time
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Equipment Blank
- Field Blank
- Field Duplicate
- Initial Calibration Verification
- Lab Replicate RPD
- Material Blank
- MS Recovery
- MS RPD
- Negative Blank
- Surrogate
- Trip Blank

AUTOMATED DATA REVIEW SUMMARY for FA32306RR

A minimum of ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 1 results (100.00%) out of the 1 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

The correct preparation factor was not applied to the lead soil results reported for this SDG. This resulted in reporting of results two times (2X) less than the actual value. The laboratory was notified and issued an amended report. Corrective action was initiated by the laboratory to ensure that the correct preparation factor will be entered in the system so that the results are reported correctly. A copy of the Corrective Action Report is provided as Appendix 3 of the Chemical Quality Assurance Report for the Basewide Range Assessment 2016 Sampling Event for Fort Ord, California (Gilbane, January 2017).

The sample was collected on March 14, 2016 and put on hold. Sample was taken off hold by client request and analyzed on 12/12/2016, past the 180 day holding time for metals.

Peggy Cota

Released by Peggy Cota, Project Chemist

22-Jan-2017

30-Jan-2017

Released by Evelyn Dawson, Program Chemist

AUTOMATED DATA REVIEW SUMMARY for FA32306RR

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B1	The analyte was found in an associated method blank.
B2	Calibration Blank
B3	Calibration Blank - Negative
B4	Negative Blank
B5	The analyte was found in an associated blank as well as in the sample.
C10	Continuing Calibration Verification RRF
C11	Continuing Calibration Verification percent recovery, percent difference, or percent drift
C12	Low Level Continuing Calibration Verification was outside control limits
D1	Lab Replicate RPD
D2	MS RPD exceeded established criteria.
D4	No precision available
D5	Field duplicate precision
D6	RPD of laboratory control sample exceeded criteria
D7	Field Duplicate not usable
E	Exceeds LinearCalibration Range
F	Hydrocarbon pattern does not match standard
G	Initial Calibration RRF
G1	Initial Calibration RSD
G2	Initial Calibration Verification percent recovery, percent difference, or percent drift
G3	r2 values < 0.990 in the ICAL
G4	Ion abundance ratios are outside criteria - estimated maximum possible concentration (EMPC) reported
G5	Initial Calibration out for metals/inorganics
H1	Test Hold Time
H2	Prep Hold Time

AUTOMATED DATA REVIEW SUMMARY for FA32306RR

Reason and Comment Code Definitions

Reasons	
Code	Definition
I	Internal standard
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
K1	Detected in the associated equipment rinsate blank.
K2	Detected in the associated field (i.e., ambient) blank.
K3	Detected in the associated trip blank.
K4	Detected in the associated storage blank
K5	Detected in the associated source blank
L	Percent recovery of laboratory control sample recovery was outside established limits
L1	A common laboratory artifact was detected in the sample at a concentration less than 10X the concentration detected in the associated method blank. (Negative)
M	Matrix spike recovery was outside established criteria.
M1	Minimum matrix spike frequency was not attained
N	Blank - No Action
O	Interference check sample
P	Sample preservation/collection requirement not met.
P1	Column or detector RPD
P2	Improper preparation/extraction
Q1	Material Blank
S	Surrogate recovery out of criteria (upper or lower limit)
S1	Sample less than 50% solids
T	Receipt Temperature
T2	RSD of lab triplicate out
TI	Tentatively Identified Compound
TR	Trace Level Detect
V	Sample Receipt Condition
W	Column breakdown (pesticides)

AUTOMATED DATA REVIEW SUMMARY for FA32306RR

Reason and Comment Code Definitions

Reasons	
Code	Definition
X	Raised reporting limit
X1	Unresolved Isomers; no peak separation
X2	Qualified due to professional judgment, see data validation narrative.
Y	Analyte not confirmed on second column
Y1	False Positive
Y2	Sum of species greater than total result
Z	Data rejected due to radiological anomalies
Z1	Data rejected, more valid data available

Flag Code and Definitions

Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for FA32306RR

Batch Report

Test Method: SW6010C; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
MA13715	MP31429	NA	33-01	SO	33-01SC0002	FA32306-33RR	MA13715	1/5	14-Mar-2016 2:40 PM	04-Jan-2017 1:11 PM	06-Jan-2017 10:42 AM	N
	MP31429	NA	LABQC	SQ	LABQC	MP31429-B1	MA13715	1/5	04-Jan-2017 1:11 PM	04-Jan-2017 1:11 PM	06-Jan-2017 9:21 AM	BS
	MP31429	NA	LABQC	SQ	LABQC	MP31429-MB1	MA13715	1/5	04-Jan-2017 1:11 PM	04-Jan-2017 1:11 PM	06-Jan-2017 9:16 AM	LB

AUTOMATED DATA REVIEW SUMMARY for FA32306RR

Field Batch Report

--No Records Found--

QC Outlier Report

--No Records Found--

Qualified Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	33-01SC0002	N	Lead	1.9	6.2	6.2 J	MG/KG	H1

AUTOMATED DATA REVIEW SUMMARY for FA32306RR

Detected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6010C/NONE	SO	33-01SC0002	N	Lead	1.9	6.2	6.2 J	MG/KG	H1

AUTOMATED DATA REVIEW SUMMARY for FA32306RR

Rejected Results

--No Records Found--

Automated Data Review Detail Report for FA32306RR

Fort Ord_Basewide Range Assessment Spring 2016

Units 1, 2, 3, 7, 10, 33, WGBA Sampling Work Plan Former Fort Ord, California



Review Questions

Method:SW6010C				
Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	•			
Stage 2 Review: COC - Temperature/Condition?	•			
Stage 2 Review: COC - Receipt anomalies?	•			
Stage 2 Review: COC - Sample/Methods checked?	•			
Stage 2 Review: Case Narrative - Anomalies?	•			
Stage 2 Review: Samples - Collection date?	•			3/14/2016
Stage 2 Review: Samples - Extraction date?	•			1/4/2017
Stage 2 Review: Samples - Analysis date?	•			1/6/2017
Stage 2 Review: Samples - Holding time? [180 days]	•			Prepped and analyzed outside holding time at client request. See Outliers Report.
Stage 2 Review: Samples - Batching?	•			MP31429/ / MA13715
Stage 2 Review: Samples - Lab qualifiers?	•			
Stage 2 Review: Calibration - ICAL? $R^2 \geq 0.99$	•			
Stage 2 Review: Calibration - ICB / CCB [$<DL$]	•			
Stage 2 Review: Calibration - ICV? [90-110%R or 10%D]	•			
Stage 2 Review: Calibration - CCV? [90-110%R or 10%D]	•			
Stage 2 Review: Low/High Level Standard [80-120%R]	•			
Stage 2 Review: ICSA [80-120%R or ABS value<LOD]	•			
Stage 2 Review: ICSAB [80-120%R or ABS value<LOD]	•			
Stage 2 Review: Blank - Method blank? [$<DL$]	•			
Stage 2 Review: Blank - Equipment blank? [$<DL$]			•	
Stage 2 Review: Precision/Accuracy - MS/MSD? [20 RPD 81-112%R Soil 86-113% EB]	•			Nonsdg parent: used RPD to evaluate precision. RPD within criteria
Stage 2 Review: Precision/Accuracy - Post Digestion Spike? [80-120%R]			•	Nonsdg parent
Stage 2 Review: Precision/Accuracy - Serial Dilution? [90-110%R or 10%D]			•	Nonsdg parent
Stage 2 Review: Precision/Accuracy - LCS/LCSD? [20 RPD 81-112%R Soil 86-113% EB]	•			Single LCS
Stage 2 Review: Quantitation - PQLs? [225 mg/kg (ROD Range); LOD 0.2 LOQ 1.0 mg/kg]	•			DL 0.05, LOD is 0.2; LOQ is 1 mg/kg (note - all sample and QC samples analyzed at 5X dilution; sample was reported > LOQ).
Stage 2 Review: Quantitation - Dilution Factor?	•			
Stage 2 Review: Quantitation - Results (i.e. correct analytes)?	•			Original results were reported incorrectly. Lab issued a revised report. See Narrative Comments.
Stage 2 Review: Field Duplicates - RPD within limits? [$RPD \leq 40$]			•	



Qualified Results Table

Lab Sample ID	Sample ID	Sample Collection Date	Type	Method	Parameter	Original Value	Qualifier	New Value	Bias	MDL	RL	Units	Reason
FA32306-33RR	33-01SC0002	3/14/2016	SO-N	SW6010C	Lead	6.2	J	6.2 J	-	0.095	1.9	MG/KG	H1

Matrix / Sample Type

Matrix	Matrix Description	Sample Code	Sample Code Description
SO	SOIL	N	Normal

Data Qualifier Definitions

Flag	Description
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.

Reason and Comment Code Definitions

Code	Description
H1	Test Hold Time

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ATTACHMENT 2
LABORATORY REPORTS
(PROVIDED ON CD)

SGS ACCUTEST IS PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.



*e-Hardcopy 2.0
Automated Report*

Technical Report for

Kemron Environmental Services, Inc

Ft Ord; CA

07202.2001

SGS Accutest Job Number: FA31669

Sampling Date: 02/17/16



Report to:

Kemron Environmental Services, Inc
4522 Joe Lloyd Way
Monterey, CA 93944
emiddleditch@gilbaneco.com

ATTN: Eric Middleditch

Total number of pages in report: 147



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

**Norm Farmer
Technical Director**

Client Service contact: Sue Bell 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001)
DoD ELAP (L-A-B L2229), CA (2937), TX (T104704404), PA (68-03573), VA (460177),
AK, AR, GA, KY, MA, NV, OK, UT, WA

This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.
Test results relate only to samples analyzed.

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Sample Summary

Kemron Environmental Services, Inc

Job No: FA31669

Ft Ord; CA

Project No: 07202.2001

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
FA31669-1	02/17/16	08:50	TRRP 02/24/16	AQ	Equipment Blank	02-ER01SC
FA31669-2	02/17/16	09:10	TRRP 02/24/16	SO	Soil	02-01SC0000
FA31669-6	02/17/16	10:05	TRRP 02/24/16	SO	Soil	02-02SC0000
FA31669-9	02/17/16	10:20	TRRP 02/24/16	SO	Soil	02-62SC0000
FA31669-12	02/17/16	11:10	TRRP 02/24/16	SO	Soil	02-03SC0000
FA31669-15	02/17/16	11:34	TRRP 02/24/16	SO	Soil	02-63SC0000
FA31669-18	02/17/16	13:45	TRRP 02/24/16	SO	Soil	02-61SC0000
FA31669-21	02/17/16	13:35	TRRP 02/24/16	SO	Soil	02-60SC0000
FA31669-24	02/17/16	14:30	TRRP 02/24/16	SO	Soil	02-54SC0000
FA31669-25	02/17/16	15:00	TRRP 02/24/16	SO	Soil	02-58SC0000
FA31669-26	02/17/16	15:00	TRRP 02/24/16	SO	Soil	02-58SC0000Q
FA31669-29	02/17/16	15:20	TRRP 02/24/16	SO	Soil	02-55SC0000

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Kemron Environmental Services, Inc

Job No: FA31669

Site: Ft Ord; CA

Report Date 3/24/2016 4:38:26 PM

12 Samples were collected on 02/17/2016 and were received at SGS Accutest Southeast (SASE) on 02/24/2016 properly preserved, at 3.6 Deg. C and intact. These Samples received an SASE job number of FA31669. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix: AQ

Batch ID: MP30039

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA31627-2DUP, FA31627-2MS, FA31627-2MSD, FA31627-2PS, FA31627-2SDL were used as the QC samples for metals.

Matrix: SO

Batch ID: MP30149

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA31669-2DUP, FA31669-2MS, FA31669-2MSD, FA31669-2PS, FA31669-2SDL were used as the QC samples for metals.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

Date: March 24, 2016

Lovelie Metzgar, QA Officer (signature on file)

Summary of Hits

Job Number: FA31669
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 02/17/16



Lab Sample ID	Client Sample ID	Result/ Analyte	LOQ	LOD	Units	Method
FA31669-1	02-ER01SC					
Lead		1.9 J	5.0	2.0	ug/l	SW846 6010C
FA31669-2	02-01SC0000					
Lead		12.9	1.9	0.38	mg/kg	SW846 6010C
FA31669-6	02-02SC0000					
Lead		18.2	2.0	0.40	mg/kg	SW846 6010C
FA31669-9	02-62SC0000					
Lead		9.7	1.9	0.37	mg/kg	SW846 6010C
FA31669-12	02-03SC0000					
Lead		19.3	1.9	0.38	mg/kg	SW846 6010C
FA31669-15	02-63SC0000					
Lead		9.5	2.0	0.40	mg/kg	SW846 6010C
FA31669-18	02-61SC0000					
Lead		36.5	1.9	0.38	mg/kg	SW846 6010C
FA31669-21	02-60SC0000					
Lead		128	2.0	0.39	mg/kg	SW846 6010C
FA31669-24	02-54SC0000					
Lead		72.5	2.0	0.39	mg/kg	SW846 6010C
FA31669-25	02-58SC0000					
Lead		10.7	1.9	0.38	mg/kg	SW846 6010C
FA31669-26	02-58SC0000Q					
Lead		4.7	1.9	0.39	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA31669
Account: Kemron Environmental Services, Inc
Project: Ft Ord; CA
Collected: 02/17/16



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA31669-29	02-55SC0000					
Lead		31.3	1.9	0.38	mg/kg	SW846 6010C

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: 02-ER01SC	Date Sampled: 02/17/16
Lab Sample ID: FA31669-1	Date Received: 02/24/16
Matrix: AQ - Equipment Blank	Percent Solids: n/a
Project: Ft Ord; CA	

4.1
4

Total Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	1.9 J	5.0	2.0	1.1	ug/l	1	02/29/16	02/29/16 LM	SW846 6010C ¹	SW846 3010A ²

(1) Instrument QC Batch: MA12998
 (2) Prep QC Batch: MP30039

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-01SC0000	Date Sampled: 02/17/16
Lab Sample ID: FA31669-2	Date Received: 02/24/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.2
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	12.9	1.9	0.38	0.095	mg/kg	5	03/22/16	03/22/16 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13047

(2) Prep QC Batch: MP30149

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-02SC0000	Date Sampled: 02/17/16
Lab Sample ID: FA31669-6	Date Received: 02/24/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.3
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	18.2	2.0	0.40	0.099	mg/kg	5	03/22/16	03/22/16 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13047

(2) Prep QC Batch: MP30149

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-62SC0000	Date Sampled: 02/17/16
Lab Sample ID: FA31669-9	Date Received: 02/24/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.4
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	9.7	1.9	0.37	0.093	mg/kg	5	03/22/16	03/22/16 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13047

(2) Prep QC Batch: MP30149

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-03SC0000	Date Sampled: 02/17/16
Lab Sample ID: FA31669-12	Date Received: 02/24/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.5
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	19.3	1.9	0.38	0.094	mg/kg	5	03/22/16	03/22/16 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13047

(2) Prep QC Batch: MP30149

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-63SC0000	
Lab Sample ID: FA31669-15	Date Sampled: 02/17/16
Matrix: SO - Soil	Date Received: 02/24/16
	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.6
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	9.5	2.0	0.40	0.099	mg/kg	5	03/22/16	03/22/16 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13047

(2) Prep QC Batch: MP30149

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-61SC0000	
Lab Sample ID: FA31669-18	Date Sampled: 02/17/16
Matrix: SO - Soil	Date Received: 02/24/16
	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.7
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	36.5	1.9	0.38	0.096	mg/kg	5	03/22/16	03/22/16 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13047

(2) Prep QC Batch: MP30149

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-60SC0000	
Lab Sample ID: FA31669-21	Date Sampled: 02/17/16
Matrix: SO - Soil	Date Received: 02/24/16
	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.8
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	128	2.0	0.39	0.098	mg/kg	5	03/22/16	03/22/16 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13047

(2) Prep QC Batch: MP30149

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-54SC0000	
Lab Sample ID: FA31669-24	Date Sampled: 02/17/16
Matrix: SO - Soil	Date Received: 02/24/16
	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.9
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	72.5	2.0	0.39	0.098	mg/kg	5	03/22/16	03/22/16 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13047

(2) Prep QC Batch: MP30149

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-58SC0000	Date Sampled: 02/17/16
Lab Sample ID: FA31669-25	Date Received: 02/24/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.10
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	10.7	1.9	0.38	0.096	mg/kg	5	03/22/16	03/22/16 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13047

(2) Prep QC Batch: MP30149

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-58SC0000Q	
Lab Sample ID: FA31669-26	Date Sampled: 02/17/16
Matrix: SO - Soil	Date Received: 02/24/16
	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.11
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	4.7	1.9	0.39	0.097	mg/kg	5	03/22/16	03/22/16 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13047

(2) Prep QC Batch: MP30149

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-55SC0000	Date Sampled: 02/17/16
Lab Sample ID: FA31669-29	Date Received: 02/24/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.12
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	31.3	1.9	0.38	0.094	mg/kg	5	03/22/16	03/22/16 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13047

(2) Prep QC Batch: MP30149

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Misc. Forms**5****Custody Documents and Other Forms**

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # MK-021716-01
FA 31669



Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW8330B - Explosives SW8010C - Lead SW8330B - Explosives by ISM SW8010C - Lead by ISM	Code Matrix
			Code Container/Preservative
			SOIL
			WATER QUALITY CONTROL MATRIX
			2" 1L amber, 4 degrees C
			1" 1.0-1.5 kilogram bag
			1" 250ml poly, with HNO3

Sample ID	Matrix	Date	Time	Samp Init.	Location ID	Sample Type	Depth (ft bgs)
							Top - Bottom
① 02-ER01SC	WQ	2/17/16	0850	TR	FIELDQC	EB1	NA NA
② 02-01SC0000	SO	2/17/16	0910	RP	02-01	N1	0 0.5
③ 02-01SC0001	SO	2/17/16	0915	RP	02-01	N1	1.0 1.5
④ 02-01SC0001Q	SO	2/17/16	0920	RP	02-01 DDP	N1	1.0 1.5
⑤ 02-01SC0002	SO	2/17/16	0940	RP	02-01	N1	2.0 2.5
⑥ 02-02SC0000	SO	2/17/16	1005	TR	02-02	N1	0 0.5
⑦ 02-02SC0001	SO	2/17/16	1025	TR	02-02	N1	1.0 1.5
⑧ 02-02SC0002	SO	2/17/16	1035	TR	02-02	N1	2.0 2.5

16
17/16

hold
hold
hold

hold

hold MK 2/17/16

Cooler #	Turnaround Time: 14 Days					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	2/23/16	11:00	FX			
FX			J. Corpe (AHE)	2-24-16	12:48	
						Received by Laboratory: (Signature, Date, Time) & condition

ENV/COC Record
July 06, 2015

3.6 3.8

Page 1 of 3

5.1
5

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC #MK-020716-02

FA 31669



Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method	SW6330B - Explosives	SW6010C - Lead	SW6330B - Explosives by ISM	SW6010C - Lead by ISM	Code Matrix
			Code Matrix	Code Matrix	Code Matrix	Code Matrix	

Sample ID	Matrix	Date	Time	Samp Init.	Location ID	Sample Type	Depth (ft bgs) Top - Bottom
9 Ø2-62SCØØØØ	SO	2/17/16	1020	RP	Ø2-62	N1	0.0 0.5
10 Ø2-62SCØØØ1	SO	2/17/16	1030	RP	Ø2-62	N1	1.0 1.5
11 Ø2-62SCØØØ2	SO	2/17/16	1045	RP	Ø2-62	N1	2.0 2.5
12 Ø2-Ø3SCØØØØ	SO	2/17/16	1110	TR	Ø2-Ø3	N1	0.0 0.5
13 Ø2-Ø3SCØØØ1	SO	2/17/16	1125	TR	Ø2-Ø3	N1	1.0 1.5
14 Ø2-Ø3SCØØØ2	SO	2/17/16	1145	TR	Ø2-Ø3	N1	2.0 2.5
15 Ø2-62SCØØØØ	SO	2/17/16	1134	RP	Ø2-62	N1	0.0 0.5
16 Ø2-62SCØØØ1	SO	2/17/16	1200	RP	Ø2-62	N1	1.0 1.5

2/23/16
hold
hold
hold
hold
hold

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	2/23/16	11:00	FX			
FX			J. CORNE (Ally)	2-24-16	12:48	
						Received by Laboratory: (Signature, Date, Time) & condition

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CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # M(1) - 021716 - 03



FA 31669

Project Name: Fort Ord	Project Number: 07202.2001	WBS Code: -	Laboratory: Accutest Laboratories, Orlando, FL
Point of contact: Sue Bell 813-741-3338 sueb@accutest.com		Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811	

Comments:	Equipment:	Analytical Test Method SW6330B - Explosives SW6010C - Lead SW6330B - Explosives by ISM SW6010C - Lead by ISM	Code Matrix
			Code Container/Preservative

Event ID: D V H Z L G H S D Q J H S V V H V V I	Sample ID	Matrix	Date	Time	Samp Init.	Location ID	Sample Type	Depth (ft bgs) Top - Bottom
	EP	WQ				FIELDQC	EB1	NA NA
17	02-63SC0002	SO	2/17/16	1225	RP	02-63	N1	2.0 2.5
18	02-61SC0000	SO	2/17/16	1345	RD	02-61	N1	0.0 0.5
19	02-61SC0001	SO	2/17/16	1355	RP	02-61	N1	1.0 1.5
20	02-61SC0002	SO	2/17/16	1420	RD	02-61	N1	2.0 2.5
21	02-60SC0000	SO	2/17/16	1335	TR	02-60	N1	0.0 0.5
22	02-60SC0001	SO	2/17/16	1350	TR	02-60	N1	1.0 1.5
23	02-60SC0002	SO	2/17/16	1405	TR	02-60	N1	2.0 2.5
24	02-54SC0000	SO	2/17/16	1430	TR	02-54	N1	0.0 0.5

REP 2/23/16
hold
hold
hold
hold

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	2/23/16	1400	FX	2-24-16	12:15	
FX			J. Cooper (A/SR)			Received by Laboratory: (Signature, Date, Time) & condition

ENV COC Record July 06, 2015

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CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC #AK1-8 021716-04
FA 31 669



Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW6330B - Explosives SW6010C - Lead SW6330B - Explosives by ISM SW6010C - Lead by ISM	Code Matrix
			Code Container/Preservative
			SO SOIL
			WQ WATER QUALITY CONTROL MATRIX
			2 2" 1L amber, 4 degrees C
			1 1" 1.0-1.5 kilogram bag
			13 1" 250ml poly, with HNO3

Event ID: § D V H Z L G H 5 D Q J H § V V H V V

Sample ID	Matrix	Date	Time	Samp Inil.	Location ID	Sample Type	Depth (ft bgs) Top - Bottom
1 EB-	WQ				FIELDQC	EB1	NA NA
2 02-58SC0000	SO	2/17/16	1500	RP	02-58	N1	0.0 0.5
3 02-58SC0000Q	SO	2/17/16	1500	RP	02-58 DUP	N1	0.0 0.5
4 02-58SC00001	SO	2/17/16	1510	RP	02-58	N1	1.0 1.5
5 02-58SC00002	SO	2/17/16	1525	RP	02-58	N1	2.0 2.5
6 02-55SC0000	SO	2/17/16	1520	TR	02-55	N1	0.0 0.5
7 02-55SC00001	SO	2/17/16	1535	TR	02-55	N1	1.0 1.5
8 02-55SC00002	SO	2/17/16	1550	TR	02-55	N1	2.0 2.5

hold
hold
hold
hold
2/23/16

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	2/23/16	1600				

ENV COC_Record
July 06, 2015

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FA31669: Chain of Custody
Page 4 of 7

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
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COC #441-8021716-041
FA31669
05



Project Name: Fort Ord § D V H Z L G H § D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW8330B - Explosives SW6010C - Lead SW8330B - Explosives by ISM SW6010C - Lead by ISM	Code Matrix	
			<table border="1"> <tr><td>SO</td><td>SOIL</td></tr> <tr><td>WQ</td><td>WATER QUALITY CONTROL MATRIX</td></tr> </table>	SO
SO	SOIL			
WQ	WATER QUALITY CONTROL MATRIX			
			Code Container/Preservative	
			2 2" 1L amber, 4 degrees C	
			1 1" 1.0-1.5 kilogram bag	
			13 1" 250ml poly, with HNO3	

Event ID: § D V H Z L G H § D Q J H § V V H V V I		2	13	1	1		
Sample ID	Matrix	Date	Time	Samp Init.	Location ID	Sample Type	Depth (ft bgs) Top - Bottom
EB	WQ				FIELDQC	EB1	NA NA
32 02-54SC0001	SO	2/17/16	1445	TR	02-54	N1	1.0 1.5
33 02-54SC0002	SO	2/17/16	1455	TR	02-54	N1	2.0 2.5

2/23/16
hold
hold

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	2/23/16	1600	FX			
FX			J. CORAL (ASR)	2-24-16	12:43	
						Received by Laboratory: (Signature, Date, Time) & condition

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ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA31669 CLIENT: GILBANE PROJECT: FORD ORD
 DATE/TIME RECEIVED: 2-24-16 12:45 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 2
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER DELIVERY OTHER: _____
 AIRBILL NUMBERS: 8088 8717 4975

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM _____ 5-GRAM _____
 NUMBER OF 5035 FIELD KITS ? _____
 NUMBER OF LAB FILTERED METALS ? _____
 TEST STRIP LOT#s pH 0-3 204413A
 SUMMARY OF COMMENTS: _____

TEMPERATURE INFORMATION

- IR THERM ID 1 CORR. FACTOR 10.2
- OBSERVED TEMPS: 34 3.6
- CORRECTED TEMPS: 3.6 3.8 (USED FOR LIMS)

SAMPLE INFORMATION

- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- % SOLIDS JAR NOT RECEIVED
- RESIDUAL CHLORINE PRESENT LOT# _____

{APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

pH 10-12 219813A OTHER (specify) _____

TECHNICIAN SIGNATURE/DATE [Signature] 2-25-16 REVIEWER SIGNATURE/DATE [Signature] 2/25/16
 NF 11/15 receipt confirmation 111015.xls

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ORIGIN ID: HRYA

SHIP DATE: 23FEB16
 ACTWT: 33.00 LB MAN
 CAD: /POS1621
 DIMS: 16x13x9 IN
 BILL RECEIPT

UNITED STATES US

TO **SAMPLE RECG**
ACCUTEST LABRATORIES
4405 VINELAND RD
STE C15
ORLANDO FL 32811

(407) 425-6700

REF: DEPT:

4402/26/11/19 14/11/14 12/28 12/28 12/28 12/28

FedEx
Express

E

1 of 8

TRK# 8088 8917 4975
 0215
 ## MASTER ##

XH TIXA

WED - 24 FEB 10:30A
 PRIORITY OVERNIGHT

32811
 FL-US MCO

UNV12113
 MADE IN USA

QC Evaluation: DOD QSM5 Limits

Job Number: FA31669
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 02/17/16

QC Sample ID	CAS#	Analyte	Sample Result Type	Result Type	Result	Units	Limits
MP30039 SW846 6010C							
MP30039-B1	7439-92-1	Lead	BSP	REC	103	%	86-113
MP30039-S1*	7439-92-1	Lead	MS	REC	101.4	%	86-113
MP30039-S2*	7439-92-1	Lead	MSD	REC	103.2	%	86-113
MP30039-S2*	7439-92-1	Lead	MSD	RPD	1.8	%	20
MP30039-D1*	7439-92-1	Lead	DUP	RPD	0	%	20
MP30149 SW846 6010C							
MP30149-B1	7439-92-1	Lead	BSP	REC	106.3	%	81-112
MP30149-S1	7439-92-1	Lead	MS	REC	103.2	%	81-112
MP30149-S2	7439-92-1	Lead	MSD	REC	105	%	81-112
MP30149-S2	7439-92-1	Lead	MSD	RPD	1.3	%	20
MP30149-D1	7439-92-1	Lead	DUP	RPD	.8	%	20
MP30149-D2	7439-92-1	Lead	DUP	RPD	2.3	%	20

5.2
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* Sample used for QC is not from job FA31669

Metals Analysis

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QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Accutest Instrument Runlog
Inorganics AnalysesLogin Number: FA31669
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CAFile ID: SA022916M1.ICP
Analyst: LM
Parameters: PbDate Analyzed: 02/29/16
Run ID: MA12998
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:07	MA12998-STD1	1		STDA
10:11	MA12998-STD2	1		STDB
10:18	MA12998-STD3	1		STDD
10:25	MA12998-STD4	1		STDC
10:29	MA12998-HSTD1	1		
10:36	MA12998-ICV1	1		
10:43	MA12998-ICB1	1		
10:46	MA12998-CR1A1	1		
10:53	MA12998-ICSA1	1		
10:58	MA12998-ICSAB1	1		
11:08	MA12998-CCV1	1		
11:16	MA12998-CCB1	1		
11:39	MP30039-MB1	1		
11:43	MP30039-B1	1		
11:47	FA31627-2	1		(sample used for QC only; not part of login FA31669)
11:52	MP30039-D1	1		
11:56	MP30039-SD1	5		
12:01	MP30039-PS1	1		
12:05	MP30039-S1	1		
12:09	MP30039-S2	1		
12:13	ZZZZZZ	1		
12:18	ZZZZZZ	1		
12:22	MA12998-CCV2	1		
12:26	MA12998-CCB2	1		
12:31	ZZZZZZ	1		
12:35	ZZZZZZ	1		
12:40	ZZZZZZ	1		
12:44	ZZZZZZ	1		
12:49	ZZZZZZ	1		
12:53	ZZZZZZ	1		
12:58	ZZZZZZ	1		
13:02	ZZZZZZ	1		
13:06	ZZZZZZ	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31669
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA022916M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 02/29/16
Run ID: MA12998
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:11	ZZZZZZ	1		
13:15	MA12998-CCV3	1		
13:19	MA12998-CCB3	1		
13:24	ZZZZZZ	1		
13:29	FA31669-1	1		
----->	Last reportable sample/prep for job FA31669			
13:33	ZZZZZZ	1		
13:38	ZZZZZZ	1		
13:42	ZZZZZZ	1		
13:46	ZZZZZZ	1		
13:51	ZZZZZZ	1		
13:55	MP30042-MB1	1		
14:00	MP30042-B1	1		
14:04	FA31387-1	1		(sample used for QC only; not part of login FA31669)
14:09	MA12998-CCV4	1		
14:13	MA12998-CCB4	1		
14:17	MP30042-D1	1		
14:22	MP30042-SD1	5		
14:27	MP30042-S1	1		
14:31	MP30042-S2	1		
14:36	FA31502-1L	1		(sample used for QC only; not part of login FA31669)
14:40	ZZZZZZ	1		
14:45	ZZZZZZ	1		
14:49	ZZZZZZ	1		
14:54	MP30042-D2	1		
14:58	MP30042-MB2	1		
15:03	MA12998-CCV5	1		
15:07	MA12998-CCB5	1		
15:11	MP30042-B2	1		
15:16	MP30042-MB3	1		
15:20	MP30042-B3	1		
15:25	MP30043-MB1	1		
15:29	MP30043-B1	1		
15:33	FA31659-1	1		(sample used for QC only; not part of login FA31669)

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31669
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA022916M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 02/29/16
Run ID: MA12998

Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:38	MP30043-D1	1		
15:42	MP30043-SD1	5		
15:46	MP30043-PS1	1		
15:51	MP30043-S1	1		
15:55	MA12998-CCV6	1		
15:59	MA12998-CCB6	1		
16:04	MP30043-S2	1		
16:08	MA12998-CRIA2	1		
16:12	MA12998-ICSA2	1		
16:17	MA12998-ICSAB2	1		
16:40	MA12998-CCV7	1		
16:44	MA12998-CCB7	1		

-----> Last reportable CCB for job FA31669
Refer to raw data for calibration curve and standards.

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INTERNAL STANDARD SUMMARY

Login Number: FA31669
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA12998
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:07	MA12998-STD1	5183	39850	3614	2801
10:11	MA12998-STD2	5092	38990	3575	2595
10:18	MA12998-STD3	4594	36028	3497	2100
10:25	MA12998-STD4	4833	36911	3497	2302
10:29	MA12998-HSTD1	4554	35133	3407	2076
10:36	MA12998-ICV1	4713	36505	3488	2251
10:43	MA12998-ICB1	5147 R	39594 R	3605 R	2787 R
10:46	MA12998-CR1A1	4942	37513	3465	2584
10:53	MA12998-ICSA1	4348	32928	3313	1984
10:58	MA12998-ICSAB1	4409	32918	3263	1980
11:08	MA12998-CCV1	4773	36688	3440	2266
11:16	MA12998-CCB1	5113	38833	3477	2757
11:39	MP30039-MB1	4950	38396	3421	2682
11:43	MP30039-B1	4768	36666	3392	2359
11:47	FA31627-2	4652	36454	3404	2384
11:52	MP30039-D1	4737	37066	3391	2444
11:56	MP30039-SD1	4808	37586	3404	2575
12:01	MP30039-PS1	4757	37576	3473	2405
12:05	MP30039-S1	4704	36299	3290	2285
12:09	MP30039-S2	4648	35571	3235	2257
12:13	ZZZZZZ	4591	36140	3329	2354
12:18	ZZZZZZ	4804	37889	3510	2479
12:22	MA12998-CCV2	4821	37110	3447	2317
12:26	MA12998-CCB2	4945	38130	3394	2710
12:31	ZZZZZZ	4743	37394	3416	2449
12:35	ZZZZZZ	4789	37973	3492	2508
12:40	ZZZZZZ	4483	35201	3387	2247
12:44	ZZZZZZ	4699	36371	3304	2450
12:49	ZZZZZZ	4791	37997	3420	2519
12:53	ZZZZZZ	4647	37110	3418	2393
12:58	ZZZZZZ	4704	37066	3444	2441
13:02	ZZZZZZ	4582	36514	3394	2368
13:06	ZZZZZZ	4648	36791	3388	2381

INTERNAL STANDARD SUMMARY

Login Number: FA31669
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA12998
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:11	ZZZZZZ	4724	37784	3416	2510
13:15	MA12998-CCV3	4719	37589	3424	2300
13:19	MA12998-CCB3	4991	39611	3574	2750
13:24	ZZZZZZ	4470	35119	3258	2236
13:29	FA31669-1	4759	37356	3281	2532
13:33	ZZZZZZ	4760	37970	3350	2541
13:38	ZZZZZZ	4717	37389	3337	2512
13:42	ZZZZZZ	4779	37820	3363	2541
13:46	ZZZZZZ	4625	36736	3319	2425
13:51	ZZZZZZ	4567	36537	3314	2364
13:55	MP30042-MB1	4893	39528	3461	2715
14:00	MP30042-B1	4784	38198	3497	2434
14:04	FA31387-1	4690	36619	3370	2400
14:09	MA12998-CCV4	4698	36962	3373	2293
14:13	MA12998-CCB4	4851	38740	3421	2697
14:17	MP30042-D1	4648	36325	3359	2390
14:22	MP30042-SD1	4803	37716	3372	2583
14:27	MP30042-S1	4588	36409	3354	2264
14:31	MP30042-S2	4632	37059	3468	2286
14:36	FA31502-1L	4659	36988	3413	2421
14:40	ZZZZZZ	4662	36957	3423	2426
14:45	ZZZZZZ	4598	36549	3383	2401
14:49	ZZZZZZ	4634	36794	3442	2394
14:54	MP30042-D2	4571	35983	3324	2376
14:58	MP30042-MB2	4635	37035	3400	2423
15:03	MA12998-CCV5	4665	37254	3389	2298
15:07	MA12998-CCB5	4827	38974	3468	2696
15:11	MP30042-B2	4569	36234	3389	2269
15:16	MP30042-MB3	4585	36566	3366	2398
15:20	MP30042-B3	4525	36236	3357	2250
15:25	MP30043-MB1	4844	39560	3473	2743
15:29	MP30043-B1	4757	37903	3366	2442
15:33	FA31659-1	5569	43358	3924	2359

INTERNAL STANDARD SUMMARY

Login Number: FA31669
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA12998
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:38	MP30043-D1	5446	42792	3908	2369
15:42	MP30043-SD1	5017	39917	3543	2536
15:46	MP30043-PS1	5574	43665	3900	2365
15:51	MP30043-S1	5448	42712	3876	2296
15:55	MA12998-CCV6	4558	36959	3347	2262
15:59	MA12998-CCB6	4798	38786	3331	2704
16:04	MP30043-S2	5429	41738	3778	2282
16:08	MA12998-CRIA2	4693	38245	3383	2573
16:12	MA12998-ICSA2	4164	33194	3145	1992
16:17	MA12998-ICSAB2	4172	33019	3046	1970
16:40	MA12998-CCV7	4583	37188	3290	2285
16:44	MA12998-CCB7	4792	38714	3279	2722

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.1.1
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31669
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA022916M1.ICP
 QC Limits: result < RL

Date Analyzed: 02/29/16
 Run ID: MA12998

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:		10:43 ICB1		11:16 CCB1		12:26 CCB2		13:19 CCB3	
	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	14								
Antimony	6.0	1								
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2								
Cadmium	5.0	.2	anr							
Calcium	1000	50								
Chromium	10	1	anr							
Cobalt	50	.2								
Copper	25	1	anr							
Iron	300	17	anr							
Lead	5.0	1	0.30	<5.0	-0.10	<5.0	-0.10	<5.0	-0.20	<5.0
Magnesium	5000	35								
Manganese	15	.5	anr							
Molybdenum	50	.3								
Nickel	40	.4								
Potassium	10000	200								
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500								
Strontium	10	.5								
Thallium	10	1.1								
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5								
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31669
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA022916M1.ICP
 QC Limits: result < RL

Date Analyzed: 02/29/16
 Run ID: MA12998

Methods: SW846 6010C
 Units: ug/l

Metal	RL	IDL	Time:							
			Sample ID:	14:13 CCB4	15:07 CCB5	15:59 CCB6	16:44 CCB7	raw	final	raw
Aluminum	200	14								
Antimony	6.0	1								
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2								
Cadmium	5.0	.2	anr							
Calcium	1000	50								
Chromium	10	1	anr							
Cobalt	50	.2								
Copper	25	1	anr							
Iron	300	17	anr							
Lead	5.0	1	-0.20	<5.0	0.0	<5.0	0.10	<5.0	-0.20	<5.0
Magnesium	5000	35								
Manganese	15	.5	anr							
Molybdenum	50	.3								
Nickel	40	.4								
Potassium	10000	200								
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500								
Strontium	10	.5								
Thallium	10	1.1								
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5								
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31669
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA12998 Units: ug/l

Metal	Time:		10:36		11:08		12:22		
	Sample ID:	ICV	ICV1	Results	CCV	CCV1	CCV	CCV2	
	True		% Rec	True	True	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	2000	2060	103.0	2000	2040	102.0	2000	1990	99.5
Magnesium									
Manganese	anr								
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31669
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA12998 Units: ug/l

Metal	Sample ID:	Time:	13:15	% Rec	CCV	14:09	% Rec	CCV	15:03	% Rec
		CCV	CCV3		CCV4	CCV5				
Aluminum		True	Results		True	Results		True	Results	
Antimony										
Arsenic	anr									
Barium	anr									
Beryllium										
Cadmium	anr									
Calcium										
Chromium	anr									
Cobalt										
Copper	anr									
Iron	anr									
Lead	2000	1990	99.5	2000	1990	99.5	2000	1990	99.5	
Magnesium										
Manganese	anr									
Molybdenum										
Nickel										
Potassium										
Selenium	anr									
Silver	anr									
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc	anr									

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31669
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA12998 Units: ug/l

Time:	15:55	16:40				
Sample ID:	CCV6	CCV7		CCV		
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum						
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	anr					
Iron	anr					
Lead	2000	2020	101.0	2000	1980	99.0
Magnesium						
Manganese	anr					
Molybdenum						
Nickel						
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA31669
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA12998 Units: ug/l

Time:	10:29
Sample ID:	HSTD1
Metal	True
Results	% Rec

Aluminum			
Antimony			
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium	anr		
Calcium			
Chromium	anr		
Cobalt			
Copper	anr		
Iron	anr		
Lead	4000	4060	101.5
Magnesium			
Manganese	anr		
Molybdenum			
Nickel			
Potassium			
Selenium	anr		
Silver	anr		
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA31669
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA12998 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	10:46 CRIA1 Results	% Rec	16:08 CRIA2 Results	% Rec
Metal						
Aluminum	400	200				
Antimony	10	5.0				
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0	anr			
Calcium	2000	1000				
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	5.4	108.0	5.3	106.0
Magnesium	10000	5000				
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000				
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000				
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA31669
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA12998 Units: ug/l

Time:	ICSAB	ICSAB	10:53		10:58		16:12		16:17	
Sample ID:	True	True	ICSAB1	% Rec	ICSAB1	% Rec	ICSAB2	% Rec	ICSAB2	% Rec
Metal			Results		Results		Results		Results	
Aluminum	500000	500000	519000	103.8	511000	102.2	530000	106.0	538000	107.6
Antimony		1000	1.2		1020	102.0	3.7		1050	105.0
Arsenic		1000	-0.90		1090	109.0	-1.0		1100	110.0
Barium		500	-0.10		568	113.6	-0.30		597	119.4
Beryllium		500	-0.10		565	113.0	0.0		569	113.8
Cadmium		1000	-0.50		1010	101.0	-1.4		1040	104.0
Calcium	500000	500000	497000	99.4	490000	98.0	483000	96.6	485000	97.0
Chromium		500	0.60		533	106.6	0.80		530	106.0
Cobalt		500	-0.30		508	101.6	-0.40		541	108.2
Copper		500	0.0		594	118.8	0.60		612	122.4*(a)
Iron	200000	200000	196000	98.0	191000	95.5	197000	98.5	196000	98.0
Lead		1000	0.10		1030	103.0	-5.2		995	99.5
Magnesium	500000	500000	534000	106.8	525000	105.0	513000	102.6	514000	102.8
Manganese		500	-0.10		563	112.6	-0.40		540	108.0
Molybdenum		1000	-0.40		962	96.2	-0.50		1030	103.0
Nickel		1000	0.40		1010	101.0	0.30		1030	103.0
Potassium			2.4		3.1		45.4		4.3	
Selenium		1000	0.0		1010	101.0	-0.20		1050	105.0
Silver		1000	-0.30		1090	109.0	-0.80		1100	110.0
Sodium			139		160		159		165	
Strontium		1000	0.20		1050	105.0	0.10		1030	103.0
Thallium		1000	-0.50		967	96.7	1.6		935	93.5
Tin		1000	1.6		948	94.8	1.4		932	93.2
Titanium		1000	-0.30		1040	104.0	-0.20		995	99.5
Vanadium		500	0.10		511	102.2	0.60		488	97.6
Zinc		1000	-2.6		1030	103.0	-3.4		1030	103.0

(*) Outside of QC limits
(anr) Analyte not requested
(a) Possible instrument baseline drift.

6.1.6
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31669
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032216M2.ICP Date Analyzed: 03/22/16 Methods: SW846 6010C
Analyst: DM Run ID: MA13047
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:30	MA13047-STD1	1		STDA
09:35	MA13047-STD2	1		STDB
09:39	MA13047-STD3	1		STDC
09:42	MA13047-STD4	1		STDD
09:46	MA13047-HSTD1	1		
09:52	MA13047-ICV1	1		
09:59	MA13047-ICB1	1		
10:03	MA13047-CR1A1	1		
10:06	MA13047-ICSA1	1		
10:12	MA13047-ICSAB1	1		
10:18	MA13047-CCV1	1		
10:23	MA13047-CCB1	1		
10:29	MP30148-MB1	1		
10:34	MP30148-B1	1		
10:38	FA32326-1	1		(sample used for QC only; not part of login FA31669)
10:42	MP30148-D1	1		
10:47	MP30148-SD1	5		
10:51	MP30148-PS1	1		
10:56	MP30148-S1	1		
11:00	MP30148-S2	1		
11:04	ZZZZZZ	1		
11:08	ZZZZZZ	1		
11:13	MA13047-CCV2	1		
11:17	MA13047-CCB2	1		
11:22	ZZZZZZ	1		
11:26	ZZZZZZ	1		
11:31	ZZZZZZ	1		
11:35	ZZZZZZ	1		
11:40	ZZZZZZ	2		
11:44	ZZZZZZ	1		
11:49	ZZZZZZ	20		
11:53	ZZZZZZ	10		
12:02	ZZZZZZ	1		

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31669
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032216M2.ICP
Analyst: DM
Parameters: Pb

Date Analyzed: 03/22/16
Run ID: MA13047
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:07	MA13047-CCV3	1		
12:11	MA13047-CCB3	1		
12:15	ZZZZZZ	1		
12:20	ZZZZZZ	1		
12:24	ZZZZZZ	20		
12:29	ZZZZZZ	100		
12:33	ZZZZZZ	10		
12:38	ZZZZZZ	1		
12:42	ZZZZZZ	1		
12:47	MA13047-CCV4	1		
12:51	MA13047-CCB4	1		
13:12	MA13047-CCV5	1		
13:18	MA13047-CCB5	1		
13:24	MP30151-MB1	1		
13:28	MP30151-B1	1		
13:33	FA32192-1	1		(sample used for QC only; not part of login FA31669)
13:37	MP30151-D1	1		
13:42	MP30151-SD1	5		
13:46	MP30151-S1	1		
13:51	MP30151-S2	1		
13:55	FA32293-1L	1		(sample used for QC only; not part of login FA31669)
14:00	ZZZZZZ	1		
14:04	ZZZZZZ	1		
14:09	MA13047-CCV6	1		
14:13	MA13047-CCB6	1		
14:18	ZZZZZZ	1		
14:23	MP30151-D2	1		
14:27	MP30151-MB2	1		
14:32	MP30151-B2	1		
14:36	MP30151-MB3	1		
14:41	MP30151-B3	1		
14:45	MP30149-MB1	5		
14:50	MP30149-B1	5		

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31669
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032216M2.ICP Date Analyzed: 03/22/16 Methods: SW846 6010C
Analyst: DM Run ID: MA13047
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:54	FA31669-2	5		
14:59	MP30149-D1	5		
15:03	MA13047-CCV7	1		
15:07	MA13047-CCB7	1		
15:12	MP30149-D2	5		
15:16	MP30149-SD1	25		
15:21	MP30149-PS1	5		
15:25	MP30149-S1	5		
15:29	MP30149-S2	5		
15:34	FA31669-6	5		
15:38	FA31669-9	5		
15:42	FA31669-12	5		
15:47	FA31669-15	5		
15:51	FA31669-18	5		
15:56	MA13047-CCV8	1		
16:00	MA13047-CCB8	1		
16:04	FA31669-21	5		
16:09	FA31669-24	5		
16:13	FA31669-25	5		
16:17	FA31669-26	5		
16:22	FA31669-29	5		
----->	Last reportable sample/prep for job FA31669			
16:26	ZZZZZ	5		
16:30	ZZZZZ	5		
16:35	ZZZZZ	5		
16:39	ZZZZZ	5		
16:44	ZZZZZ	5		
16:48	MA13047-CCV9	1		
16:52	MA13047-CCB9	1		
16:57	ZZZZZ	5		
17:01	ZZZZZ	5		
17:05	ZZZZZ	5		
17:10	MA13047-CRIA2	1		
17:14	MA13047-ICSA2	1		

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31669
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032216M2.ICP Date Analyzed: 03/22/16 Methods: SW846 6010C
Analyst: DM Run ID: MA13047
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:19	MA13047-ICSAB2	1		
17:23	MA13047-CCV10	1		
17:28	MA13047-CCB10	1		

-----> Last reportable CCB for job FA31669
Refer to raw data for calibration curve and standards.

6.2
6

INTERNAL STANDARD SUMMARY

Login Number: FA31669
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032216M2.ICP Date Analyzed: 03/22/16 Methods: SW846 6010C
 Analyst: DM Run ID: MA13047
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:30	MA13047-STD1	5041	40720	4406	2626
09:35	MA13047-STD2	4869	38998	4291	2401
09:39	MA13047-STD3	4626	36848	4117	2156
09:42	MA13047-STD4	4507	36478	4105	2005
09:46	MA13047-HSTD1	4514	36803	4172	2018
09:52	MA13047-ICV1	4635	37246	4221	2160
09:59	MA13047-ICB1	4933 R	39569 R	4344 R	2559 R
10:03	MA13047-CRIA1	4991	39444	4369	2523
10:06	MA13047-ICSA1	4301	33164	3880	1924
10:12	MA13047-ICSAB1	4238	33309	3925	1880
10:18	MA13047-CCV1	4660	37272	4168	2163
10:23	MA13047-CCB1	5008	40344	4349	2599
10:29	MP30148-MB1	5018	40536	4264	2600
10:34	MP30148-B1	4719	37587	4149	2276
10:38	FA32326-1	4662	37695	4196	2336
10:42	MP30148-D1	4734	38403	4286	2366
10:47	MP30148-SD1	4934	39770	4349	2526
10:51	MP30148-PS1	4856	37940	4183	2385
10:56	MP30148-S1	4813	38248	4234	2256
11:00	MP30148-S2	4830	38655	4271	2272
11:04	ZZZZZZ	4950	39775	4375	2456
11:08	ZZZZZZ	4828	39198	4354	2447
11:13	MA13047-CCV2	4792	38181	4205	2215
11:17	MA13047-CCB2	5195	41541	4400	2680
11:22	ZZZZZZ	5136	40808	4409	2620
11:26	ZZZZZZ	4981	40439	4427	2544
11:31	ZZZZZZ	4973	40306	4429	2530
11:35	ZZZZZZ	4898	39183	4289	2462
11:40	ZZZZZZ	4921	39233	4390	2428
11:44	ZZZZZZ	4739	38468	4289	2361
11:49	ZZZZZZ	4855	39238	4417	2435
11:53	ZZZZZZ	4772	38260	4272	2376
12:02	ZZZZZZ	4876	40051	4432	2461

6.2.1
6

INTERNAL STANDARD SUMMARY

Login Number: FA31669
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032216M2.ICP Date Analyzed: 03/22/16 Methods: SW846 6010C
 Analyst: DM Run ID: MA13047
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:07	MA13047-CCV3	4803	38650	4348	2234
12:11	MA13047-CCB3	5069	40961	4407	2638
12:15	ZZZZZZ	4864	39340	4362	2405
12:20	ZZZZZZ	4850	39594	4375	2315
12:24	ZZZZZZ	4838	39192	4513	2353
12:29	ZZZZZZ	4939	39693	4427	2475
12:33	ZZZZZZ	4971	40247	4445	2510
12:38	ZZZZZZ	4815	39376	4376	2417
12:42	ZZZZZZ	4730	39434	4484	2356
12:47	MA13047-CCV4	4787	38971	4356	2242
12:51	MA13047-CCB4	5176	42256	4548	2713
13:12	MA13047-CCV5	4704	38372	4244	2211
13:18	MA13047-CCB5	5016	41572	4510	2644
13:24	MP30151-MB1	4970	41289	4404	2612
13:28	MP30151-B1	4677	38177	4232	2284
13:33	FA32192-1	4509	36885	4259	2235
13:37	MP30151-D1	4561	37114	4321	2253
13:42	MP30151-SD1	4884	39850	4381	2512
13:46	MP30151-S1	4518	36935	4128	2145
13:51	MP30151-S2	4545	37085	4188	2155
13:55	FA32293-1L	4646	37469	4153	2288
14:00	ZZZZZZ	4609	36998	4029	2247
14:04	ZZZZZZ	4502	37069	4096	2211
14:09	MA13047-CCV6	4678	38764	4211	2218
14:13	MA13047-CCB6	4992	41603	4382	2653
14:18	ZZZZZZ	4533	37746	4202	2256
14:23	MP30151-D2	4653	38715	4352	2324
14:27	MP30151-MB2	4705	38594	4273	2361
14:32	MP30151-B2	4658	37716	4060	2246
14:36	MP30151-MB3	4608	37964	4146	2310
14:41	MP30151-B3	4603	37765	4184	2197
14:45	MP30149-MB1	4915	40794	4119	2584
14:50	MP30149-B1	4870	39873	4056	2507

INTERNAL STANDARD SUMMARY

Login Number: FA31669
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032216M2.ICP Date Analyzed: 03/22/16 Methods: SW846 6010C
 Analyst: DM Run ID: MA13047
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:54	FA31669-2	5074	41045	4217	2420
14:59	MP30149-D1	5035	41374	4369	2423
15:03	MA13047-CCV7	4681	38888	4176	2240
15:07	MA13047-CCB7	4894	40831	4188	2613
15:12	MP30149-D2	5035	41030	4250	2410
15:16	MP30149-SD1	4924	41138	4270	2523
15:21	MP30149-PS1	5000	40946	4333	2387
15:25	MP30149-S1	4962	40584	4305	2371
15:29	MP30149-S2	5011	40938	4289	2400
15:34	FA31669-6	5010	42218	4384	2538
15:38	FA31669-9	4886	41274	4328	2483
15:42	FA31669-12	4928	41263	4358	2437
15:47	FA31669-15	4963	41112	4250	2465
15:51	FA31669-18	5006	41223	4254	2427
15:56	MA13047-CCV8	4623	39110	4102	2243
16:00	MA13047-CCB8	4837	41470	4288	2601
16:04	FA31669-21	4967	41244	4267	2451
16:09	FA31669-24	4942	40666	4175	2461
16:13	FA31669-25	4982	41702	4277	2462
16:17	FA31669-26	5042	42057	4371	2463
16:22	FA31669-29	4972	41152	4255	2468
16:26	ZZZZZZ	4969	41868	4312	2502
16:30	ZZZZZZ	5026	42303	4402	2466
16:35	ZZZZZZ	5021	42323	4417	2472
16:39	ZZZZZZ	5049	42157	4405	2416
16:44	ZZZZZZ	5007	42333	4409	2458
16:48	MA13047-CCV9	4644	39951	4264	2263
16:52	MA13047-CCB9	4819	41566	4278	2622
16:57	ZZZZZZ	5033	42336	4358	2430
17:01	ZZZZZZ	4912	41549	4373	2443
17:05	ZZZZZZ	4943	41906	4344	2550
17:10	MA13047-CRIA2	4805	41190	4261	2567
17:14	MA13047-ICSA2	4256	36032	3991	2012

6.2.1
6

INTERNAL STANDARD SUMMARY

Login Number: FA31669
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032216M2.ICP Date Analyzed: 03/22/16 Methods: SW846 6010C
 Analyst: DM Run ID: MA13047
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:19	MA13047-ICSAB2	4195	35505	3932	1951
17:23	MA13047-CCV10	4670	40156	4200	2289
17:28	MA13047-CCB10	4823	41870	4264	2633

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

<u>Istd#</u>	<u>Parameter</u>	<u>Limits</u>
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.2.1
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31669
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032216M2.ICP
 QC Limits: result < RL

Date Analyzed: 03/22/16
 Run ID: MA13047

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:		09:59 ICB1		10:23 CCB1		11:17 CCB2		12:11 CCB3	
	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	14								
Antimony	6.0	1								
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2								
Cadmium	5.0	.2	anr							
Calcium	1000	50								
Chromium	10	1	anr							
Cobalt	50	.2								
Copper	25	1								
Iron	300	17								
Lead	5.0	1	0.60	<5.0	0.0	<5.0	0.10	<5.0	0.10	<5.0
Magnesium	5000	35								
Manganese	15	.5								
Molybdenum	50	.3								
Nickel	40	.4								
Potassium	10000	200								
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.1								
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5								
Zinc	20	3								

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31669
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032216M2.ICP
QC Limits: result < RL

Date Analyzed: 03/22/16
Run ID: MA13047

Methods: SW846 6010C
Units: ug/l

Metal	RL	IDL	Time:							
			Sample ID:	12:51 CCB4	13:18 CCB5	14:13 CCB6	15:07 CCB7	raw	final	raw
Aluminum	200	14								
Antimony	6.0	1								
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2								
Cadmium	5.0	.2	anr							
Calcium	1000	50								
Chromium	10	1	anr							
Cobalt	50	.2								
Copper	25	1								
Iron	300	17								
Lead	5.0	1	0.40	<5.0	0.70	<5.0	0.30	<5.0	0.50	<5.0
Magnesium	5000	35								
Manganese	15	.5								
Molybdenum	50	.3								
Nickel	40	.4								
Potassium	10000	200								
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.1								
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5								
Zinc	20	3								

(*) Outside of QC limits
(anr) Analyte not requested

6.2.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31669
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032216M2.ICP
 QC Limits: result < RL

Date Analyzed: 03/22/16
 Run ID: MA13047

Methods: SW846 6010C
 Units: ug/l

Metal	RL	IDL	Time:					
			Sample ID:	16:00	16:52	17:28		
			CCB8	CCB9	CCB10			
			raw	final	raw	final	raw	final
Aluminum	200	14						
Antimony	6.0	1						
Arsenic	10	1.3	anr					
Barium	200	1	anr					
Beryllium	4.0	.2						
Cadmium	5.0	.2	anr					
Calcium	1000	50						
Chromium	10	1	anr					
Cobalt	50	.2						
Copper	25	1						
Iron	300	17						
Lead	5.0	1	0.20	<5.0	0.10	<5.0	0.30	<5.0
Magnesium	5000	35						
Manganese	15	.5						
Molybdenum	50	.3						
Nickel	40	.4						
Potassium	10000	200						
Selenium	10	2.4	anr					
Silver	10	.7	anr					
Sodium	10000	500	anr					
Strontium	10	.5						
Thallium	10	1.1						
Tin	50	.9						
Titanium	10	.5						
Vanadium	50	.5						
Zinc	20	3						

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31669
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032216M2.ICP Date Analyzed: 03/22/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13047 Units: ug/l

Metal	Time:		09:52		10:18		11:13		
	Sample ID:	ICV	ICV1	CCV	CCV1	CCV	CCV2		
	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper									
Iron									
Lead	2000	1990	99.5	2000	1990	99.5	2000	1950	97.5
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31669
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032216M2.ICP Date Analyzed: 03/22/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13047 Units: ug/l

Metal	Sample ID	CCV	12:07		12:47		13:12			
			CCV3	Results	CCV4	Results	CCV5	Results		
		True		% Rec	True		True	% Rec		
Aluminum										
Antimony										
Arsenic	anr									
Barium	anr									
Beryllium										
Cadmium	anr									
Calcium										
Chromium	anr									
Cobalt										
Copper										
Iron										
Lead	2000		1900	95.0	2000	1880	94.0	2000	1970	98.5
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium	anr									
Silver	anr									
Sodium	anr									
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31669
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032216M2.ICP Date Analyzed: 03/22/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13047 Units: ug/l

Metal	Sample ID	CCV	14:09 CCV6		15:03 CCV7		15:56 CCV8			
			Results	% Rec	Results	% Rec	Results	% Rec		
Aluminum										
Antimony										
Arsenic	anr									
Barium	anr									
Beryllium										
Cadmium	anr									
Calcium										
Chromium	anr									
Cobalt										
Copper										
Iron										
Lead	2000		1980	99.0	2000	1950	97.5	2000	1940	97.0
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium	anr									
Silver	anr									
Sodium	anr									
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31669
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032216M2.ICP Date Analyzed: 03/22/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13047 Units: ug/l

Metal	Time:	16:48	% Rec	17:23	% Rec	
	Sample ID: CCV	CCV9		CCV10		
	True	Results		True	Results	
Aluminum						
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper						
Iron						
Lead	2000	1910	95.5	2000	1870	93.5
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium	anr					
Silver	anr					
Sodium	anr					
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA31669
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032216M2.ICP Date Analyzed: 03/22/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13047 Units: ug/l

Time:	09:46
Sample ID: HSTD	HSTD1
Metal	True
Results	% Rec

Aluminum			
Antimony			
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium	anr		
Calcium			
Chromium	anr		
Cobalt			
Copper			
Iron			
Lead	4000	3970	99.3
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA31669
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032216M2.ICP Date Analyzed: 03/22/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13047 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	10:03 CRIA1 Results	% Rec	17:10 CRIA2 Results	% Rec
Metal						
Aluminum	400	200				
Antimony	10	5.0				
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0	anr			
Calcium	2000	1000				
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25				
Iron	600	300				
Lead	10	5.0	5.0	100.0	5.0	100.0
Magnesium	10000	5000				
Manganese	30	15				
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000				
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20				

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA31669
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032216M2.ICP Date Analyzed: 03/22/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13047 Units: ug/l

Time:	10:06	10:12	17:14	17:19						
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2						
Metal	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum	500000	500000	502000	100.4	505000	101.0	503000	100.6	521000	104.2
Antimony		1000	1.7		1030	103.0	0.30		1020	102.0
Arsenic		1000	-0.60		1090	109.0	1.7		1100	110.0
Barium		500	-0.30		513	102.6	-0.10		542	108.4
Beryllium		500	0.10		504	100.8	0.0		501	100.2
Cadmium		1000	0.0		960	96.0	-1.3		979	97.9
Calcium	500000	500000	491000	98.2	486000	97.2	464000	92.8	476000	95.2
Chromium		500	0.0		511	102.2	-0.20		496	99.2
Cobalt		500	-0.50		474	94.8	0.0		497	99.4
Copper		500	0.40		543	108.6	1.3		546	109.2
Iron	200000	200000	188000	94.0	188000	94.0	185000	92.5	191000	95.5
Lead		1000	-0.20		947	94.7	-5.9		910	91.0
Magnesium	500000	500000	529000	105.8	522000	104.4	495000	99.0	506000	101.2
Manganese		500	0.30		511	102.2	-0.20		473	94.6
Molybdenum		1000	-0.50		941	94.1	-1.4		987	98.7
Nickel		1000	0.60		952	95.2	0.50		953	95.3
Potassium			142		115		53.5		61.1	
Selenium		1000	0.0		1010	101.0	-0.60		1030	103.0
Silver		1000	0.10		1060	106.0	-0.50		1040	104.0
Sodium			175		169		115		123	
Strontium		1000	0.20		1020	102.0	0.20		998	99.8
Thallium		1000	1.0		941	94.1	-0.30		897	89.7
Tin		1000	1.3		929	92.9	1.6		899	89.9
Titanium		1000	0.70		965	96.5	0.80		901	90.1
Vanadium		500	-0.30		471	94.2	0.50		438	87.6
Zinc		1000	-3.3		958	95.8	-3.4		946	94.6

(*) Outside of QC limits
(anr) Analyte not requested

6.2.6
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA31669
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30039
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/29/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	14	14		
Antimony	6.0	1	1		
Arsenic	10	1.3	1.3		
Barium	200	1	1		
Beryllium	4.0	.2	.2		
Cadmium	5.0	.2	.2		
Calcium	1000	50	50		
Chromium	10	1	1		
Cobalt	50	.2	.2		
Copper	25	1	1		
Iron	300	17	17		
Lead	5.0	1	1.1	0.10	<5.0
Magnesium	5000	35	35		
Manganese	15	.5	1		
Molybdenum	50	.3	.3		
Nickel	40	.4	.4		
Potassium	10000	200	200		
Selenium	10	2.4	2.9		
Silver	10	.7	.7		
Sodium	10000	500	500		
Strontium	10	.5	.5		
Thallium	10	1.1	1.4		
Tin	50	.9	1		
Titanium	10	.5	1		
Vanadium	50	.5	.6		
Zinc	20	3	4.4		

Associated samples MP30039: FA31669-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.3.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31669
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30039
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 02/29/16 02/29/16

Metal	FA31627-2 Original DUP	RPD	QC Limits	FA31627-2 Original MS	Spikelot MPFLICP2 % Rec	QC Limits
Aluminum						
Antimony						
Arsenic	anr					
Barium						
Beryllium						
Cadmium	anr					
Calcium						
Chromium						
Cobalt						
Copper	anr					
Iron	anr					
Lead	0.0 0.0	NC	0-20	0.0 507	500	101.4 80-120
Magnesium						
Manganese	anr					
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP30039: FA31669-1

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.3.2
 6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31669
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30039
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 02/29/16

Metal	FA31627-2 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit		
Aluminum						
Antimony						
Arsenic	anr					
Barium						
Beryllium						
Cadmium	anr					
Calcium						
Chromium						
Cobalt						
Copper	anr					
Iron	anr					
Lead	0.0	516	500	103.2	1.8	20
Magnesium						
Manganese	anr					
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP30039: FA31669-1

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.3.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA31669
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30039
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 02/29/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium				
Beryllium				
Cadmium	anr			
Calcium				
Chromium				
Cobalt				
Copper	anr			
Iron	anr			
Lead	515	500	103.0	80-120
Magnesium				
Manganese	anr			
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP30039: FA31669-1

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.3.3
 6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA31669
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30039
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 02/29/16

Metal	FA31627-2	Original	SDL 1:5	%DIF	QC Limits
Aluminum					
Antimony					
Arsenic	anr				
Barium					
Beryllium					
Cadmium	anr				
Calcium					
Chromium					
Cobalt					
Copper	anr				
Iron	anr				
Lead	0.00	0.00	NC		0-10
Magnesium					
Manganese	anr				
Molybdenum					
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc	anr				

Associated samples MP30039: FA31669-1

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.3.4
 6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA31669
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30039
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date:

02/29/16

Metal	Sample ml	Final ml	FA31627-2 Raw	PS Corr.** ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	9.8	10		49.2	0.2	2.5	50	98.4	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP30039: FA31669-1

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (**) Corr. sample result = Raw * (sample volume / final volume)
 (anr) Analyte not requested

6.3.5
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA31669
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30149
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 03/22/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	100	7	18		
Antimony	10	.5	.65		
Arsenic	5.0	.65	1		
Barium	100	.5	.5		
Beryllium	2.5	.1	.25		
Cadmium	2.0	.1	.25		
Calcium	2500	25	25		
Chromium	5.0	.5	.5		
Cobalt	25	.1	.25		
Copper	13	.5	.5		
Iron	150	8.5	8.5		
Lead	10	.5	.5	0.19	<10
Magnesium	2500	18	18		
Manganese	7.5	.25	.25		
Molybdenum	25	.15	.25		
Nickel	20	.2	.25		
Potassium	5000	100	100		
Selenium	10	1.2	1.2		
Silver	5.0	.35	.41		
Sodium	5000	250	250		
Strontium	5.0	.25	.25		
Thallium	5.0	.55	.55		
Tin	25	.45	.45		
Titanium	5.0	.25	.25		
Vanadium	25	.25	.25		
Zinc	10	1.5	1.5		

Associated samples MP30149: FA31669-2, FA31669-6, FA31669-9, FA31669-12, FA31669-15, FA31669-18, FA31669-21, FA31669-24, FA31669-25, FA31669-26, FA31669-29

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.4.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31669
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30149
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 03/22/16 03/22/16

Metal	FA31669-2		RPD	QC Limits	FA31669-2		RPD	QC Limits
	Original	DUP			Original	DUP		
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead	12.9	12.8	0.8	0-20	12.9	13.2	2.3	0-20
Magnesium								
Manganese								
Molybdenum								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Strontium								
Thallium								
Tin								
Titanium								
Vanadium								
Zinc								

Associated samples MP30149: FA31669-2, FA31669-6, FA31669-9, FA31669-12, FA31669-15, FA31669-18, FA31669-21, FA31669-24, FA31669-25, FA31669-26, FA31669-29

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31669
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30149
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 03/22/16

Metal	FA31669-2 Original MS	Spikelot MPFLICP2 % Rec	QC Limits
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead	12.9 23.0	4.89	103.2 80-120
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

Associated samples MP30149: FA31669-2, FA31669-6, FA31669-9, FA31669-12, FA31669-15, FA31669-18, FA31669-21, FA31669-24, FA31669-25, FA31669-26, FA31669-29

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.4.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31669
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30149
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 03/22/16

Metal	FA31669-2 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	12.9 23.3	4.95 105.0	1.3	20
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30149: FA31669-2, FA31669-6, FA31669-9, FA31669-12, FA31669-15, FA31669-18, FA31669-21, FA31669-24, FA31669-25, FA31669-26, FA31669-29

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.4.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA31669
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30149
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 03/22/16

Metal	BSP Result	Spikelot MPFLICP2 % Rec	QC Limits
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead	53.2	25	106.3 80-120
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

Associated samples MP30149: FA31669-2, FA31669-6, FA31669-9, FA31669-12, FA31669-15, FA31669-18, FA31669-21, FA31669-24, FA31669-25, FA31669-26, FA31669-29

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.3
 6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA31669
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30149
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/22/16

Metal	FA31669-2	QC
	Original SDL 5:25 %DIF	Limits

Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	675	697	3.2	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30149: FA31669-2, FA31669-6, FA31669-9, FA31669-12, FA31669-15, FA31669-18, FA31669-21, FA31669-24, FA31669-25, FA31669-26, FA31669-29

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA31669
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30149
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date:

03/22/16

Metal	Sample ml	Final ml	FA31669-2 Raw	PS Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead	9.8	10	675.3	661.794	710.7	0.2	2.5	50	97.8	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP30149: FA31669-2, FA31669-6, FA31669-9, FA31669-12, FA31669-15, FA31669-18, FA31669-21, FA31669-24, FA31669-25, FA31669-26, FA31669-29

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (**) Corr. sample result = Raw * (sample volume / final volume)
 (anr) Analyte not requested

6.4.5
6

Instrument Detection Limits

Job Number: FA31669
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1	Effective Date: 01/27/15
-------------------------	--------------------------

Analyte	IDL ug/l
Aluminum	14
Antimony	1
Arsenic	1.3
Barium	1
Beryllium	.2
Cadmium	.2
Calcium	50
Chromium	1
Cobalt	.2
Copper	1
Iron	17
Lead	1
Magnesium	35
Manganese	.5
Molybdenum	.3
Nickel	.4
Potassium	200
Selenium	2.4
Silicon	5
Silver	.7
Sodium	500
Strontium	.5
Sulfur	5
Thallium	1.1
Tin	.9
Titanium	.5
Vanadium	.5
Zinc	3

The above applies to the following instrument runs:
MA12998,MA13047

6.5
6

Instrument Linear Ranges

Job Number: FA31669
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1

Effective Date: 08/13/13

Analyte	Linear Range ug/l
Aluminum	500000
Antimony	10000
Arsenic	10000
Barium	10000
Beryllium	10000
Cadmium	10000
Calcium	500000
Chromium	10000
Cobalt	10000
Copper	10000
Iron	500000
Lead	10000
Magnesium	500000
Manganese	10000
Molybdenum	10000
Nickel	10000
Potassium	80000
Selenium	10000
Silver	1000
Sodium	80000
Strontium	10000
Sulfur	10000
Thallium	10000
Tin	10000
Titanium	10000
Vanadium	10000
Zinc	10000

The above applies to the following instrument runs:
MA12998,MA13047

Metals Analysis

Raw Data

Sample Name: Blank Acquired: 2/29/2016 10:07:20 Type: Cal
Method: 60102007_042011(v887) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 3 rows of data (#1, #2, #3) for each element. Includes Avg, Stddev, and %RSD values.

Sample Name: LowStd Acquired: 2/29/2016 10:11:06 Type: Cal
Method: 60102007_042011(v887) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 3 rows of data (#1, #2, #3) for each element. Includes Avg, Stddev, and %RSD values.

Sample Name: HighStd Acquired: 2/29/2016 10:18:03 Type: Cal
Method: 60102007_042011(v887) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 3 rows of data (#1, #2, #3) for each element. Includes Avg, Stddev, and %RSD values.

Sample Name: MidStd Acquired: 2/29/2016 10:25:35 Type: Cal
Method: 60102007_042011(v887) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 3 rows of data (#1, #2, #3) for each element. Includes Avg, Stddev, and %RSD values.

7.1
7

Sample Name: HSTD Acquired: 2/29/2016 10:29:46 Type: QC
 Method: 60102007_042011(v887) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5048	81.23	4.024	3.993	4.004	80.72	4.002	3.991	4.025
Stddev	.0028	.08	.020	.019	.021	.41	.011	.014	.006
%RSD	.5579	.0970	.4915	.4684	.5161	.5137	.2723	.3487	.1456

#1	.5050	81.31	4.002	3.973	4.026	81.17	3.993	3.977	4.024
#2	.5075	81.23	4.040	4.010	3.999	80.64	4.014	4.005	4.032
#3	.5019	81.16	4.029	3.996	3.986	80.35	4.001	3.992	4.020

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.989	81.23	81.25	81.28	3.998	4.006	81.17	3.992	4.063
Stddev	.007	.35	.22	1.03	.027	.012	.10	.009	.009
%RSD	.1785	.4280	.2764	1.266	.6698	.2897	.1225	.2297	.2309

#1	3.986	81.63	81.25	82.45	4.000	3.994	81.12	3.983	4.054
#2	3.998	81.04	81.48	80.87	3.971	4.016	81.29	4.001	4.061
#3	3.985	81.02	81.03	80.52	4.024	4.008	81.11	3.992	4.073

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.995	4.000	4.419	3.990	3.999	4.009	4.006	4.058	4.023
Stddev	.010	.014	.015	.005	.014	.039	.010	.016	.007
%RSD	.2472	.3431	.3469	.1220	.3455	.9707	.2605	.3932	.1873

#1	3.984	3.985	4.402	3.984	4.006	4.044	3.994	4.051	4.018
#2	4.001	4.002	4.432	3.993	4.009	4.017	4.011	4.076	4.032
#3	4.000	4.012	4.422	3.993	3.984	3.967	4.013	4.047	4.020

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 2/29/2016 10:29:46 Type: QC
 Method: 60102007_042011(v887) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2075.6	4554.2	35133.	3406.8
Stddev	7.0	19.6	69.	24.4
%RSD	.33912	.42960	.19766	.71736

#1	2083.5	4574.9	35069.	3388.0
#2	2073.4	4536.0	35123.	3434.4
#3	2069.9	4551.6	35207.	3397.9

Sample Name: ICV Acquired: 2/29/2016 10:36:28 Type: QC
 Method: 60102007_042011(v887) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2561	41.97	2.043	2.135	2.101	43.19	2.075	2.086	2.060
Stddev	.0008	.06	.003	.010	.010	.12	.002	.002	.001
%RSD	.3198	.1504	.1334	.4623	.4674	.2719	.0728	.0811	.0491

#1	.2561	42.04	2.045	2.146	2.112	43.31	2.077	2.088	2.059
#2	.2569	41.92	2.040	2.128	2.096	43.18	2.074	2.084	2.061
#3	.2553	41.94	2.045	2.131	2.095	43.08	2.074	2.086	2.060

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.036	42.83	42.77	42.99	2.126	1.973	43.05	2.096	2.060
Stddev	.002	.18	.20	.21	.002	.002	.18	.001	.004
%RSD	.0729	.4213	.4708	.4907	.0982	.0803	.4246	.0466	.2073

#1	2.035	43.03	43.00	43.06	2.124	1.975	43.25	2.097	2.060
#2	2.037	42.80	42.62	43.16	2.125	1.973	42.89	2.095	2.063
#3	2.035	42.67	42.70	42.76	2.128	1.972	43.01	2.096	2.055

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.075	2.083	.0637	2.111	2.002	2.018	2.132	1.951	2.087
Stddev	.002	.002	.0007	.003	.010	.002	.003	.002	.001
%RSD	.0795	.0737	1.040	.1242	.5057	.1165	.1508	.0768	.0263

#1	2.077	2.085	.0640	2.111	2.011	2.017	2.134	1.950	2.087
#2	2.075	2.083	.0630	2.108	1.991	2.016	2.134	1.951	2.086
#3	2.074	2.082	.0642	2.113	2.003	2.021	2.128	1.953	2.086

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 2/29/2016 10:36:28 Type: QC
 Method: 60102007_042011(v887) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2250.5	4713.2	36505.	3488.2
Stddev	3.2	12.1	37.	21.2
%RSD	.14252	.25611	.10258	.60706

#1	2250.4	4713.8	36471.	3498.5
#2	2253.7	4725.0	36498.	3463.9
#3	2247.3	4700.9	36545.	3502.3

Sample Name: ICB Acquired: 2/29/2016 10:43:03 Type: QC
 Method: 60102007_042011(v887) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	-0.020	-0.007	-0.002	0.000	0.005	0.000	-0.001	-0.001
Stddev	.0002	.0033	.0006	.0003	.0000	.0036	.0000	.0001	.0003
%RSD	82.39	163.0	96.19	142.7	952.0	801.2	129.7	125.2	221.4
#1	-0.005	-0.042	.0000	-0.002	.0000	-0.037	.0000	-0.002	-0.003
#2	.0000	.0018	-0.009	-0.005	.0000	.0026	.0000	.0000	-0.002
#3	-0.003	-0.036	-0.012	.0001	.0000	.0025	.0001	-0.002	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.023	-0.195	-0.145	-0.001	0.003	0.072	-0.001	0.003
Stddev	.0002	.0025	.0470	.0148	.0000	.0002	.0078	.0000	.0002
%RSD	114.8	111.5	240.7	102.1	9.987	68.23	108.1	75.08	94.52
#1	-0.001	-0.003	-0.111	-0.105	-0.001	.0005	.0124	.0000	.0005
#2	-0.001	.0023	-0.702	-0.308	-0.001	.0002	.0109	-0.001	.0003
#3	-0.005	.0048	.0227	-0.021	-0.001	.0001	-0.017	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.007	-0.011	0.006	-0.001	0.002	-0.001	0.000	-0.002
Stddev	.0008	.0005	.0002	.0001	.0001	.0000	.0006	.000	.0001
%RSD	326.9	77.94	17.36	14.51	52.80	16.07	782.3	482.8	24.55
#1	-0.011	.0002	-0.013	.0005	.0000	.0002	.0004	-0.002	-0.003
#2	.0001	.0013	-0.011	.0005	-0.001	.0003	-0.007	.0000	-0.002
#3	.0003	.0006	-0.009	.0007	-0.001	.0002	.0001	.0001	-0.002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 2/29/2016 10:43:03 Type: QC
 Method: 60102007_042011(v887) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2786.5	5147.4	39594.	3604.9
Stddev	4.8	3.1	80.	38.5
%RSD	.17112	.05939	.20193	1.0687
#1	2790.3	5144.8	39608.	3629.3
#2	2781.1	5146.7	39508.	3560.5
#3	2788.1	5150.8	39666.	3625.0

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.023	-0.195	-0.145	-0.001	0.003	0.072	-0.001	0.003
Stddev	.0002	.0025	.0470	.0148	.0000	.0002	.0078	.0000	.0002
%RSD	114.8	111.5	240.7	102.1	9.987	68.23	108.1	75.08	94.52
#1	-0.001	-0.003	-0.111	-0.105	-0.001	.0005	.0124	.0000	.0005
#2	-0.001	.0023	-0.702	-0.308	-0.001	.0002	.0109	-0.001	.0003
#3	-0.005	.0048	.0227	-0.021	-0.001	.0001	-0.017	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.007	-0.011	0.006	-0.001	0.002	-0.001	0.000	-0.002
Stddev	.0008	.0005	.0002	.0001	.0001	.0000	.0006	.000	.0001
%RSD	326.9	77.94	17.36	14.51	52.80	16.07	782.3	482.8	24.55
#1	-0.011	.0002	-0.013	.0005	.0000	.0002	.0004	-0.002	-0.003
#2	.0001	.0013	-0.011	.0005	-0.001	.0003	-0.007	.0000	-0.002
#3	.0003	.0006	-0.009	.0007	-0.001	.0002	.0001	.0001	-0.002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CRIA Acquired: 2/29/2016 10:46:52 Type: QC
 Method: 60102007_042011(v887) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.088	2.166	0.097	2.122	0.054	1.091	0.055	0.554	0.109
Stddev	.0002	.0064	.0003	.0015	.0000	.002	.0000	.0002	.0000
%RSD	2.337	2.959	3.392	6.880	.6547	1.566	.7541	.4155	.1725
#1	.088	2.208	.097	2.138	.054	1.089	.055	.552	.109
#2	.090	2.198	.101	2.116	.053	1.091	.055	.554	.109
#3	.086	2.092	.094	2.111	.054	1.092	.055	.557	.108

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0269	0.3318	10.60	5.470	0.171	0.523	10.69	0.450	0.054
Stddev	.0002	.0037	.07	.038	.0000	.0000	.07	.0002	.0002
%RSD	.7909	1.110	6.865	.6942	.2453	.0548	.6219	.3410	2.903
#1	.0271	.3327	10.65	5.436	.0171	.0523	10.74	.0448	.0053
#2	.0267	.3278	10.63	5.462	.0172	.0523	10.72	.0451	.0056
#3	.0268	.3350	10.51	5.511	.0172	.0522	10.61	.0450	.0054

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.055	0.101	0.420	0.567	0.106	0.108	0.101	0.513	0.223
Stddev	.0008	.0005	.0004	.0003	.0001	.0000	.0003	.0008	.0001
%RSD	15.15	4.769	8.574	5.353	.7232	.3254	2.538	1.612	.3482
#1	.046	.106	.420	.563	.105	.108	.100	.503	.223
#2	.062	.097	.417	.568	.106	.109	.100	.518	.223
#3	.058	.101	.424	.569	.107	.108	.104	.517	.224

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 2/29/2016 10:46:52 Type: QC
 Method: 60102007_042011(v887) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2583.8	4941.8	37513.	3465.3
Stddev	9.0	4.9	105.	3.2
%RSD	.34893	.09950	.28010	.09241
#1	2590.4	4947.4	37608.	3464.2
#2	2587.4	4940.1	37529.	3462.7
#3	2573.5	4938.0	37400.	3468.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0269	0.3318	10.60	5.470	0.171	0.523	10.69	0.450	0.054
Stddev	.0002	.0037	.07	.038	.0000	.0000	.07	.0002	.0002
%RSD	.7909	1.110	6.865	.6942	.2453	.0548	.6219	.3410	2.903
#1	.0271	.3327	10.65	5.436	.0171	.0523	10.74	.0448	.0053
#2	.0267	.3278	10.63	5.462	.0172	.0523	10.72	.0451	.0056
#3	.0268	.3350	10.51	5.511	.0172	.0522	10.61	.0450	.0054

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.055	0.101	0.420	0.567	0.106	0.108	0.101	0.513	0.223
Stddev	.0008	.0005	.0004	.0003	.0001	.0000	.0003	.0008	.0001
%RSD	15.15	4.769	8.574	5.353	.7232	.3254	2.538	1.612	.3482
#1	.046	.106	.420	.563	.105	.108	.100	.503	.223
#2	.062	.097	.417	.568	.106	.109	.100	.518	.223
#3	.058	.101	.424	.569	.107	.108	.104	.517	.224

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSEA Acquired: 2/29/2016 10:53:09 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	518.8	-0.009	-0.001	-0.001	497.2	-0.005	-0.003	.0006
Stddev	.0002	5.5	.0012	.0003	.0000	2.3	.0001	.0001	.0004
%RSD	71.39	1.063	141.4	536.1	64.72	.4537	11.59	18.58	64.56
#1	-.0004	515.2	-.0008	-.0004	.0000	496.5	-.0006	-.0002	.0010
#2	-.0004	525.1	.0003	.0001	-.0001	499.7	-.0005	-.0003	.0008
#3	-.0000	515.9	-.0021	.0001	-.0001	495.3	-.0005	-.0003	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	195.9	.0024	533.7	-0.001	-0.004	.1385	.0004	.0001
Stddev	.0002	.2	.0444	1.4	.0000	.0001	.0095	.0003	.0017
%RSD	2450.	.0925	1820.	.2655	62.10	22.61	6.864	80.35	1386.
#1	-.0002	195.9	-.0421	534.3	.0000	-.0005	.1355	.0008	.0006
#2	.0001	196.1	.0467	534.8	-.0001	-.0003	.1308	.0002	-.0017
#3	.0001	195.7	.0027	532.1	-.0001	-.0005	.1491	.0003	.0015

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	.0000	.0192	F .0016	.0002	-0.003	-0.005	.0001	-.0026
Stddev	.0024	.0021	.0004	.0003	.0001	.0002	.0030	.0001	.0001
%RSD	200.5	102000.	2.295	17.74	53.32	49.97	547.8	164.7	4.949
#1	.0008	.0023	.0192	.0013	.0001	-.0003	.0003	.0001	-.0027
#2	.0038	-.0017	.0197	.0017	.0002	-.0002	-.0039	.0002	-.0026
#3	-.0010	-.0006	.0188	.0018	.0004	-.0005	.0019	-.0001	-.0025

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSEA Acquired: 2/29/2016 10:53:09 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1983.5	4347.5	32928.	3313.1
Stddev	6.1	11.1	135.	18.8
%RSD	.30639	.25579	.40883	.56723
#1	1985.7	4350.0	32978.	3330.0
#2	1976.6	4335.4	33031.	3292.8
#3	1988.1	4357.2	32776.	3316.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSAB Acquired: 2/29/2016 10:58:34 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.088	511.2	1.086	.5675	.5653	490.2	1.009	.5075	.5334
Stddev	.002	8.2	.002	.0021	.0033	9.0	.002	.0017	.0022
%RSD	.1727	1.606	.2026	.3776	.5838	1.835	.1596	.3430	.4169
#1	1.090	512.0	1.085	.5696	.5680	497.6	1.010	.5092	.5357
#2	1.088	502.7	1.088	.5675	.5616	480.2	1.009	.5074	.5313
#3	1.086	519.0	1.084	.5653	.5663	492.8	1.007	.5058	.5331

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5942	191.2	.0031	524.9	.5630	.9616	.1600	1.009	1.034
Stddev	.0008	1.7	.0140	6.9	.0018	.0019	.0093	.002	.004
%RSD	.1324	.8691	447.9	1.320	.3171	.2026	5.794	.1998	.4261
#1	.5950	192.5	.0059	529.5	.5650	.9637	.1493	1.010	1.033
#2	.5935	189.3	.0155	516.9	.5614	.9612	.1654	1.010	1.039
#3	.5940	191.7	-.0120	528.1	.5628	.9599	.1654	1.006	1.030

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.023	1.006	.0726	.9475	1.051	1.036	.9669	.5107	1.031
Stddev	.002	.004	.0003	.0028	.002	.002	.0025	.0007	.002
%RSD	.2003	.3586	.3578	.2980	.2202	.1714	.2614	.1450	.2017
#1	1.021	1.007	.0724	.9494	1.053	1.038	.9659	.5114	1.033
#2	1.025	1.008	.0726	.9488	1.048	1.035	.9697	.5109	1.032
#3	1.022	1.002	.0729	.9442	1.052	1.036	.9650	.5099	1.029

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 2/29/2016 10:58:34 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1979.7	4408.8	32918.	3263.1
Stddev	3.6	4.2	108.	40.1
%RSD	.18308	.09513	.32908	1.2288
#1	1980.6	4405.2	32808.	3235.9
#2	1975.8	4407.9	32921.	3309.1
#3	1982.9	4413.4	33025.	3244.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 2/29/2016 11:08:05 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.505	40.90	2.038	2.058	2.066	41.12	2.057	2.053	2.061
Stddev	.0006	.15	.003	.012	.004	.12	.004	.004	.003
%RSD	.2451	.3632	.1599	.5718	.1895	.3003	.2106	.1927	.1621

#1	.2508	40.98	2.038	2.060	2.069	41.24	2.053	2.049	2.064
#2	.2498	40.99	2.041	2.068	2.062	41.00	2.062	2.057	2.059
#3	.2509	40.73	2.035	2.045	2.066	41.12	2.056	2.053	2.058

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.029	41.19	41.44	41.00	2.090	2.034	41.27	2.064	2.035
Stddev	.004	.14	.10	.22	.003	.005	.08	.002	.003
%RSD	.2077	.3419	.2292	.5461	.1542	.2364	.2017	.0868	.1521

#1	2.033	41.26	41.55	41.16	2.094	2.030	41.37	2.062	2.037
#2	2.029	41.27	41.38	40.75	2.089	2.039	41.26	2.066	2.031
#3	2.025	41.02	41.38	41.10	2.088	2.033	41.20	2.064	2.036

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.049	2.041	1.709	2.067	2.080	2.086	2.059	2.054	2.053
Stddev	.004	.006	.003	.002	.006	.005	.005	.005	.002
%RSD	.1895	.3088	.1948	.0840	.2904	.2217	.2213	.2506	.0944

#1	2.045	2.035	1.705	2.066	2.082	2.091	2.056	2.059	2.051
#2	2.053	2.048	1.711	2.065	2.084	2.085	2.058	2.053	2.055
#3	2.047	2.041	1.711	2.069	2.073	2.083	2.064	2.049	2.054

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 2/29/2016 11:08:05 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2266.0	4772.6	36688.	3440.0
Stddev	4.7	6.0	86.	25.0
%RSD	.20848	.12495	.23479	.72557

#1	2263.4	4777.4	36681.	3411.9
#2	2271.4	4765.9	36777.	3448.9
#3	2263.1	4774.4	36605.	3459.4

Sample Name: CCB Acquired: 2/29/2016 11:16:45 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0077	-0.002	-0.002	.0002	.0048	.0001	.0000	-0.001
Stddev	.0001	.0077	.0007	.0004	.0001	.0026	.0000	.0001	.0001
%RSD	119.0	99.96	408.3	190.0	51.48	53.98	48.67	227.6	106.5

#1	.0000	.0153	.0006	.0002	.0003	.0047	.0001	.0001	-.0002
#2	-.0002	.0080	-.0003	-.0004	.0001	.0023	.0000	-.0001	-.0003
#3	.0000	-.0001	-.0008	-.0005	.0002	.0075	.0001	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0024	-0.0069	.0034	.0001	-0.002	.0253	.0001	-0.001
Stddev	.0000	.0020	.0266	.0174	.0000	.0002	.0059	.0001	.0003
%RSD	74.33	83.80	385.1	514.5	46.84	90.67	23.32	69.29	299.8

#1	.0001	.0011	.0238	-.0149	.0001	-.0002	.0295	.0000	.0002
#2	.0000	.0047	-.0221	.0051	.0001	.0000	.0278	.0001	-.0005
#3	.0001	.0013	-.0224	.0199	.0001	-.0003	.0185	.0002	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	-0.002	-0.0008	.0003	.0001	-0.003	.0000	.0001	.0000
Stddev	.0005	.0021	.0002	.0002	.0001	.0001	.0007	.0003	.0001
%RSD	96.58	1082.	27.26	68.82	70.01	26.73	4043.	240.0	423.4

#1	.0010	.0006	-.0008	.0001	.0001	-.0003	.0007	.0003	.0001
#2	.0004	.0014	-.0006	.0002	.0000	-.0002	.0000	.0003	.0001
#3	.0001	-.0026	-.0011	.0005	.0001	-.0002	-.0007	-.0002	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 2/29/2016 11:16:45 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2757.0	5112.5	38833.	3476.9
Stddev	6.9	5.9	204.	4.6
%RSD	.25180	.11574	.52458	.13348

#1	2764.9	5118.9	39058.	3481.7
#2	2752.0	5111.6	38778.	3472.5
#3	2754.1	5107.1	38662.	3476.6

Sample Name: MP30039-MB1 Acquired: 2/29/2016 11:39:14 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	0.029	-0.016	-0.007	0.000	0.060	-0.001	0.000	0.004
Stddev	0.002	0.060	0.004	0.006	0.000	0.023	0.000	0.000	0.003
%RSD	50.69	206.1	22.59	77.68	337.4	38.05	71.87	175.9	60.57

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.041	0.059	0.076	0.000	-0.001	0.236	0.000	0.001
Stddev	0.001	0.021	0.180	0.032	0.000	0.001	0.024	0.000	0.002
%RSD	66.00	52.82	303.6	397.5	7.856	84.23	10.03	2650.	167.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.003	-0.003	0.064	0.004	0.000	-0.001	-0.011	-0.001	-0.002
Stddev	0.006	0.013	0.001	0.001	0.001	0.001	0.015	0.001	0.001
%RSD	209.2	450.2	1.996	26.60	384.3	53.07	133.9	110.8	62.13

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30039-MB1 Acquired: 2/29/2016 11:39:14 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2682.2	4949.9	38396.	3421.0
Stddev	7.8	16.8	132.	22.5
%RSD	.29231	.34033	.34253	.65869

#1 2688.8 4951.6 38353. 3395.3
 #2 2684.3 4965.9 38544. 3430.2
 #3 2673.5 4932.3 38292. 3437.5

7.1
7

Sample Name: MP30039-B1 Acquired: 2/29/2016 11:43:45 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.051	30.05	2.098	2.229	0.0569	27.98	0.543	0.5420	2.186
Stddev	0.005	0.06	0.09	0.04	0.003	0.04	0.002	0.025	0.015
%RSD	1.007	0.210	4.032	1.567	5.341	1.480	4.317	4.664	6.763

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.2774	29.52	28.01	27.98	0.5607	0.5384	28.22	0.5497	0.5152
Stddev	0.007	0.06	0.11	0.05	0.032	0.024	0.02	0.011	0.014
%RSD	2.679	1.949	3.869	1.853	5.648	4.411	0.870	1.994	2.797

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.5352	2.114	0.195	0.5504	0.5496	0.5533	2.095	0.5147	0.5396
Stddev	0.017	0.015	0.004	0.015	0.013	0.033	0.005	0.028	0.005
%RSD	3.164	6.888	2.253	2.782	2.430	5.984	2.263	5.406	0.961

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30039-B1 Acquired: 2/29/2016 11:43:45 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2358.9	4767.5	36666.	3391.7
Stddev	12.2	25.5	233.	3.1
%RSD	.51804	.53468	.63669	.09066

#1 2347.3 4741.4 36484. 3393.0
 #2 2357.7 4768.7 36929. 3388.2
 #3 2371.7 4792.4 36584. 3393.9

Sample Name: FA31627-2 Acquired: 2/29/2016 11:47:56 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stdev, %RSD, and Int. Std. values.

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Sample Name: MP30039-D1 Acquired: 2/29/2016 11:52:21 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stdev, %RSD, and Int. Std. values.

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Sample Name: MP30039-SD1 Acquired: 2/29/2016 11:56:46 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stdev, %RSD, and Int. Std. values.

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Sample Name: MP30039-PS1 Acquired: 2/29/2016 12:01:13 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stdev, %RSD, and Int. Std. values.

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7.1

7

Sample Name: MP30039-S1 Acquired: 2/29/2016 12:05:29 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0493	30.49	2.083	2.302	.0564	106.2	.0527	.5291	2.151
Stddev	.0008	.04	.007	.009	.0002	.2	.0002	.0018	.0002
%RSD	1.590	.1273	.3549	.3758	.3980	.2073	.3230	.3492	.1157
#1	.0499	30.53	2.091	2.312	.0566	106.4	.0529	.5308	2.153
#2	.0484	30.46	2.083	2.297	.0565	105.9	.0527	.5293	2.153
#3	.0496	30.48	2.076	2.296	.0562	106.3	.0526	.5271	2.149
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2754	31.28	37.29	50.88	.9233	5389	33.18	5.373	5.072
Stddev	.0012	.08	.16	.14	.0018	.0024	.07	.0016	.0023
%RSD	.4291	.2553	.4420	.2800	.1907	.4379	.2236	.3028	.4445
#1	.2763	31.37	37.40	50.99	.9253	5408	33.25	5.391	5.085
#2	.2759	31.24	37.10	50.72	.9223	5397	33.10	5.369	5.084
#3	.2741	31.23	37.37	50.93	.9223	5363	33.18	5.359	5.046
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5287	2.081	2.188	.5311	1.717	5464	2.034	5.044	1.052
Stddev	.0019	.012	.007	.0031	.007	.0019	.015	.0002	.004
%RSD	.3630	.5956	.3408	.5823	.4185	.3482	.7532	.0391	.4009
#1	.5296	2.096	2.192	.5327	1.725	5484	2.050	5.045	1.056
#2	.5301	2.072	2.194	.5331	1.711	5460	2.033	5.042	1.053
#3	.5266	2.076	2.180	.5276	1.717	5447	2.020	5.046	1.047
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2284.7	4704.1	36299.	3290.1					
Stddev	11.2	15.2	112.	23.7					
%RSD	.48976	.32232	.30886	.71972					
#1	2272.5	4687.9	36188.	3303.1					
#2	2287.0	4706.3	36412.	3304.4					
#3	2294.5	4718.0	36296.	3262.7					

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Sample Name: MP30039-S2 Acquired: 2/29/2016 12:09:40 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0505	31.11	2.115	2.347	.0577	107.7	.0535	.5388	2.200
Stddev	.0004	.07	.015	.007	.0003	.4	.0005	.0040	.0014
%RSD	.7864	.2339	.7004	.2937	.5452	.3456	1.004	.7515	.6303
#1	.0504	31.20	2.128	2.352	.0580	108.1	.0541	.5432	2.216
#2	.0502	31.09	2.119	2.339	.0577	107.8	.0533	.5380	2.192
#3	.0509	31.06	2.099	2.349	.0574	107.3	.0531	.5352	2.192
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2819	31.89	37.83	51.85	.9452	5477	33.63	5.461	5.155
Stddev	.0026	.21	.05	.23	.0057	.0042	.08	.0037	.0036
%RSD	.9264	.6600	.1272	.4473	.6032	.7740	.2503	.6806	.7032
#1	.2849	32.13	37.86	51.82	.9517	5515	33.71	5.501	5.193
#2	.2802	31.82	37.87	52.10	.9412	5486	33.54	5.453	5.151
#3	.2807	31.73	37.78	51.64	.9427	5432	33.63	5.428	5.121
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5362	2.115	2.228	.5413	1.749	5616	2.066	5.139	1.066
Stddev	.0052	.017	.016	.0037	.007	.0046	.014	.0028	.010
%RSD	.9631	.7886	.7227	.6797	.4291	.8237	.6511	.5455	.9407
#1	.5403	2.132	2.243	.5451	1.758	5636	2.078	5.172	1.078
#2	.5379	2.113	2.229	.5409	1.743	5563	2.069	5.125	1.063
#3	.5304	2.099	2.211	.5378	1.747	5648	2.051	5.121	1.058
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2257.3	4647.9	35571.	3234.8					
Stddev	16.9	35.9	217.	5.7					
%RSD	.74797	.77187	.60973	.17664					
#1	2241.3	4614.0	35324.	3238.8					
#2	2255.7	4644.3	35658.	3228.3					
#3	2274.9	4685.5	35731.	3237.4					

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Sample Name: FA31627-1 Acquired: 2/29/2016 12:13:51 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0002	.0259	.0157	.1145	.0000	73.89	-.0002	.0002	.0003
Stddev	.0001	.0056	.0007	.0012	.000	.21	.0000	.0001	.0001
%RSD	37.28	21.45	4.347	1.058	114.3	2823	27.44	27.94	36.89
#1	-.0001	.0280	.0158	.1134	.0000	73.66	-.0002	.0002	.0002
#2	-.0002	.0301	.0163	.1142	.0000	73.94	-.0002	.0003	.0005
#3	-.0003	.0196	.0149	.1158	-.0001	74.07	-.0001	.0002	.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0003	3.697	20.06	27.71	3870	.0021	8.199	0.153	-.0002
Stddev	.0002	.016	.07	.11	.0026	.0001	.048	.0002	.0005
%RSD	61.04	.4318	.3524	.3934	.6624	5.891	5.899	1.117	190.3
#1	-.0001	3.690	19.99	27.59	.3847	.0023	8.159	0.154	-.0007
#2	-.0005	3.715	20.06	27.79	.3898	.0021	8.184	0.154	.0002
#3	-.0003	3.686	20.13	27.75	.3866	.0020	8.253	0.151	-.0003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0011	.0002	2.961	.0003	.9499	.0009	-.0006	-.0003	.0619
Stddev	.0012	.0024	.021	.0004	.0040	.0000	.0009	.0002	.0004
%RSD	110.6	978.8	.7083	121.3	.4227	4.499	149.5	56.52	.6289
#1	.0004	.0027	2.982	.0000	.9453	.0008	-.0015	-.0001	.0621
#2	.0025	-.0021	2.961	.0008	.9517	.0009	.0003	-.0003	.0622
#3	.0004	.0001	2.940	.0002	.9527	.0009	-.0005	-.0004	.0615
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2354.4	4591.1	36140.	3329.1					
Stddev	23.4	38.9	216.	11.0					
%RSD	.99465	.84790	.59783	.32928					
#1	2333.5	4552.6	36251.	3328.8					
#2	2350.0	4590.4	35892.	3340.2					
#3	2379.7	4630.4	36279.	3318.3					

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Sample Name: FA31627-3 Acquired: 2/29/2016 12:18:16 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0003	.0400	.0051	.0782	.0000	76.80	-.0001	.0008	.0003
Stddev	.0002	.0088	.0005	.0008	.000	.24	.0000	.0001	.0002
%RSD	68.02	21.92	9.722	9.591	122.9	.3178	28.58	7.195	76.29
#1	-.0004	.0365	.0045	.0776	.0000	76.52	-.0001	.0008	.0003
#2	-.0001	.0335	.0052	.0791	.0000	76.90	-.0001	.0007	.0005
#3	-.0002	.0500	.0055	.0780	.0000	76.97	-.0001	.0008	.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0001	1.923	9.153	22.36	3684	.0038	4.925	.0082	.0006
Stddev	.0003	.004	.006	.02	.0019	.0001	.023	.0001	.0003
%RSD	184.6	.2166	.0627	.1093	.5149	3.264	4.626	1.622	49.61
#1	.0001	1.925	9.159	22.39	.3685	.0			

Sample Name: CCV Acquired: 2/29/2016 12:22:42 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.483	40.74	2.004	2.043	2.038	40.26	2.039	2.045	2.041
Stddev	.0006	.17	.004	.008	.006	.13	.003	.001	.008
%RSD	.2501	.4075	.2161	.3960	.3051	.3167	.1248	.0334	.3752
#1	.2490	40.56	2.003	2.034	2.031	40.11	2.042	2.044	2.033
#2	.2479	40.88	2.000	2.050	2.042	40.34	2.039	2.044	2.042
#3	.2480	40.79	2.009	2.044	2.040	40.31	2.037	2.046	2.048

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.023	40.88	40.53	40.28	2.062	2.026	40.41	2.033	1.988
Stddev	.006	.11	.13	.07	.008	.001	.15	.003	.007
%RSD	.2744	.2809	.3291	.1836	.4051	.0536	.3713	.1306	.3576
#1	2.027	40.75	40.38	40.19	2.056	2.026	40.25	2.036	1.994
#2	2.017	40.96	40.61	40.30	2.058	2.026	40.54	2.031	1.988
#3	2.026	40.93	40.61	40.33	2.072	2.028	40.45	2.033	1.980

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.008	2.008	1.681	2.020	2.024	2.045	2.006	2.000	2.027
Stddev	.006	.004	.002	.002	.010	.007	.001	.005	.006
%RSD	.3014	.2056	.1439	.1028	.4944	.3383	.0517	.2429	.2933
#1	2.002	2.007	1.678	2.022	2.014	2.042	2.005	1.995	2.032
#2	2.008	2.005	1.680	2.018	2.034	2.041	2.007	2.000	2.027
#3	2.014	2.013	1.683	2.019	2.025	2.053	2.005	2.004	2.020

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 2/29/2016 12:22:42 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2316.9	4821.4	3711.0	3447.2
Stddev	2.0	14.1	13.	20.8
%RSD	.08706	.29259	.03557	.60244
#1	2317.9	4830.6	3711.6	3470.6
#2	2318.3	4828.3	3712.0	3431.1
#3	2314.6	4805.1	3709.6	3439.9

7.1
7

Sample Name: CCB Acquired: 2/29/2016 12:26:53 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	-0.0015	-0.0008	-0.0002	0.0001	0.0046	0.0001	0.0001	-0.0001
Stddev	.0003	.0045	.0006	.0004	.0000	.0018	.0001	.0001	.0001
%RSD	107.6	288.8	82.93	189.1	68.01	38.84	57.48	99.82	130.3
#1	-0.0001	-0.0027	-0.0002	-0.0002	0.0001	0.0041	0.0002	0.0001	-0.0001
#2	-0.0005	-0.0053	-0.0015	-0.0002	0.0000	0.0065	0.0000	0.0002	0.0000
#3	-0.0001	0.0034	-0.0006	-0.0007	0.0001	0.0031	0.0001	0.0000	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	0.0126	0.0040	-0.0022	0.0001	0.0008	0.0265	0.0000	-0.0001
Stddev	.0001	.0033	.0504	.0108	.0000	.0003	.0072	.0002	.0006
%RSD	42.82	26.48	1245.	487.9	26.49	37.95	27.02	972.3	443.2
#1	-0.0002	0.0158	-0.0520	-0.0113	0.0001	0.0010	0.0206	-0.0002	0.0005
#2	-0.0004	0.0092	0.0186	-0.0052	0.0001	0.0009	0.0244	0.0000	-0.0007
#3	-0.0003	0.0128	0.0455	0.0098	0.0001	0.0005	0.0345	0.0002	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0005	0.0002	0.0004	0.0006	0.0001	0.0010	-0.0007	-0.0001	0.0000
Stddev	.0001	.0007	.0002	.0001	.0001	.0002	.0008	.0001	.0000
%RSD	10.75	301.7	53.57	23.99	66.97	15.90	102.8	261.0	140.4
#1	0.0006	-0.0003	0.0002	0.0007	0.0001	0.0011	-0.0006	0.0000	0.0001
#2	0.0005	0.0000	0.0006	0.0007	0.0000	0.0010	-0.0016	0.0000	0.0001
#3	0.0005	0.0010	0.0004	0.0004	0.0001	0.0008	-0.0001	-0.0002	0.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 2/29/2016 12:26:53 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2709.5	4945.1	3813.0	3393.8
Stddev	4.1	8.3	61.	25.4
%RSD	.15182	.16792	.16008	.74706
#1	2714.2	4954.7	38200.	3419.5
#2	2707.6	4940.3	38088.	3393.2
#3	2706.7	4940.4	38101.	3368.8

Sample Name: FA31627-4 Acquired: 2/29/2016 12:31:24 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	0.0151	0.0080	0.1022	0.0000	73.23	-0.0001	0.0005	0.0002
Stddev	0.0000	0.0036	0.0009	0.0004	0.0000	0.32	0.0001	0.0001	0.0001
%RSD	6.495	23.92	11.54	4.010	129.6	4310	42.30	24.41	43.87
#1	-0.003	0.0127	0.0089	0.1025	0.0000	73.35	-0.0002	0.0007	0.0002
#2	-0.003	0.0133	0.0071	0.1022	-0.0001	72.87	-0.0001	0.0005	0.0002
#3	-0.003	0.0192	0.0080	0.1017	0.0000	73.47	-0.0001	0.0004	0.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.003	2.604	6.734	22.34	2973	0.030	7.779	0.0135	0.0001
Stddev	0.0003	0.017	0.035	0.21	0.012	0.002	0.029	0.0001	0.0004
%RSD	117.5	6522	5277	9337	3899	5.716	3688	1.090	407.0
#1	-0.006	2.619	6.738	22.32	2972	0.032	7.798	0.0133	-0.003
#2	-0.000	2.586	6.696	22.13	2985	0.029	7.746	0.0136	0.0002
#3	-0.002	2.607	6.767	22.55	2962	0.030	7.794	0.0136	0.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.001	-0.003	2.419	-0.002	8.344	0.009	-0.018	-0.0001	0.2056
Stddev	0.0008	0.0007	0.009	0.0003	0.0052	0.0000	0.0003	0.0001	0.0005
%RSD	920.0	254.6	3699	197.8	6237	5.045	16.63	98.59	2455
#1	0.008	-0.012	2.410	-0.004	8.399	0.009	-0.021	0.0000	0.2057
#2	-0.008	0.001	2.418	-0.003	8.295	0.009	-0.019	-0.0002	0.2050
#3	0.003	0.002	2.428	-0.002	8.339	0.009	-0.015	-0.0001	0.2060
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2448.5	4743.4	37394.	3416.0					
Stddev	1.0	9.7	158.	16.0					
%RSD	0.04216	0.20463	0.42313	0.46706					
#1	2449.5	4750.2	37380.	3414.1					
#2	2448.6	4747.8	37244.	3432.9					
#3	2447.5	4732.3	37559.	3401.1					

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Sample Name: FA31677-4 Acquired: 2/29/2016 12:35:51 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	0.0127	0.0020	0.137	-0.0001	62.72	-0.0001	-0.0002	0.0002
Stddev	0.0002	0.0012	0.0006	0.0003	0.0000	0.19	0.0000	0.0001	0.0003
%RSD	76.83	9.120	28.15	2.094	66.12	3027	19.80	50.25	133.8
#1	-0.003	0.0136	0.0018	0.134	-0.0001	62.52	-0.0001	-0.0002	0.0001
#2	-0.005	0.0114	0.0027	0.140	0.0000	62.76	-0.0001	-0.0001	0.0005
#3	-0.001	0.0131	0.0016	0.137	-0.0001	62.89	-0.0001	-0.0001	0.0000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.006	2.766	1.692	4.626	0.0155	0.025	7.160	-0.0001	-0.0002
Stddev	0.0001	0.022	0.037	0.062	0.0001	0.0000	0.008	0.0001	0.0002
%RSD	12.80	7895	2.195	1.331	8794	4182	1133	188.9	112.3
#1	-0.005	2.791	1.721	4.562	0.0157	0.025	7.152	0.0001	-0.0002
#2	-0.006	2.754	1.650	4.631	0.0154	0.025	7.168	-0.0001	0.0000
#3	-0.005	2.752	1.704	4.685	0.0154	0.025	7.161	-0.0001	-0.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.008	-0.003	1.780	-0.003	3.666	0.005	-0.016	0.0020	-0.0002
Stddev	0.0003	0.0016	0.002	0.0002	0.0002	0.0001	0.0013	0.0003	0.0001
%RSD	36.39	575.6	1.074	57.49	0.0531	15.56	81.04	13.13	35.62
#1	0.011	-0.019	1.780	-0.004	3.667	0.004	-0.002	0.0018	-0.0001
#2	0.007	-0.002	1.778	-0.001	3.667	0.006	-0.0028	0.0019	-0.0001
#3	0.006	0.013	1.781	-0.004	3.663	0.004	-0.0018	0.0023	-0.0002
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2507.9	4789.2	37973.	3491.5					
Stddev	9.2	16.3	62.	21.1					
%RSD	0.36833	0.33993	0.16211	0.60450					
#1	2517.0	4800.5	37942.	3514.6					
#2	2508.2	4796.5	37933.	3473.2					
#3	2498.5	4770.5	38043.	3486.6					

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7.1
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Sample Name: FA31677-7 Acquired: 2/29/2016 12:40:17 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.0320	-0.0006	0.437	-0.0001	192.1	-0.0001	0.0018	0.0001
Stddev	0.0002	0.0071	0.0006	0.0008	0.0001	0.7	0.0000	0.0001	0.0003
%RSD	110.7	22.17	89.79	1.721	87.69	3834	12.07	4.360	189.5
#1	-0.003	0.0278	-0.0009	0.431	-0.0002	192.9	-0.0001	0.0017	0.0003
#2	-0.001	0.0403	-0.0010	0.435	-0.0002	191.4	-0.0001	0.0017	-0.0002
#3	-0.004	0.0280	0.0000	0.445	0.0000	192.1	-0.0001	0.0019	0.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.000	1.513	9.087	21.11	0.367	0.0215	143.8	0.020	-0.003
Stddev	0.000	0.007	0.0426	0.08	0.0001	0.0001	1.1	0.0002	0.0006
%RSD	697.7	4.747	4.687	3.671	3.540	2.482	1.022	11.84	219.5
#1	-0.001	1.508	8.653	21.20	0.366	0.0215	144.0	0.021	-0.010
#2	0.000	1.510	9.504	21.04	0.366	0.0215	143.7	0.021	0.002
#3	0.000	1.521	9.105	21.09	0.368	0.0214	143.7	0.017	0.000
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.001	0.014	2.404	-0.0001	7.105	0.004	-0.0007	0.020	0.0025
Stddev	0.0009	0.0025	0.004	0.0003	0.0001	0.0001	0.0007	0.0002	0.0000
%RSD	632.3	179.6	1546	237.7	0.0201	18.19	99.72	10.50	8163
#1	-0.009	0.024	2.401	-0.0001	7.103	0.005	0.0000	0.022	0.0025
#2	0.006	0.032	2.409	-0.0003	7.106	0.003	-0.0013	0.021	0.0025
#3	0.007	-0.014	2.403	0.0002	7.105	0.004	-0.0006	0.018	0.0024
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2247.4	4482.9	35201.	3387.1					
Stddev	4.7	6.0	68.	7.4					
%RSD	0.20812	0.13286	0.19380	0.21956					
#1	2248.9	4486.0	35126.	3378.6					
#2	2251.2	4486.6	35260.	3390.3					
#3	2242.2	4476.0	35216.	3392.3					

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Sample Name: FA31677-9 Acquired: 2/29/2016 12:44:43 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	0.1611	-0.0002	0.164	-0.0001	86.11	-0.0001	0.0003	0.0006
Stddev	0.0004	0.0022	0.0004	0.0007	0.0001	0.40	0.0000	0.0000	0.0001
%RSD	71.83	1.357	202.0	4.024	121.0	4686	62.19	16.41	15.09
#1	-0.009	0.1633	0.0002	0.165	-0.0002	86.35	-0.0001	0.0002	0.0005
#2	-0.005	0.1611	-0.0005	0.170	0.0000	86.34	-0.0001	0.0003	0.0007
#3	-0.002	0.1589	-0.0001	0.157	-0.0001	85.65	0.0000	0.0003	0.0006
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni	

Sample Name: FA31677-10 Acquired: 2/29/2016 12:49:11 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	0.3750	-0.0016	0.0125	0.0000	69.01	-0.0001	-0.0001	0.0012
Stddev	0.0004	0.0081	0.0004	0.0001	0.000	0.26	0.0000	0.0000	0.0002
%RSD	121.4	2.153	23.56	1.030	66.98	3812	40.82	47.15	14.08
#1	-0.006	0.3657	-0.0019	0.0125	0.0000	69.17	-0.0001	-0.0001	0.0014
#2	0.0001	0.3791	-0.0017	0.0126	0.0000	69.16	-0.0001	-0.0002	0.0010
#3	-0.0006	0.3802	-0.0012	0.0124	0.0000	68.71	-0.0001	-0.0001	0.0012
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0003	0.4227	2.459	5.307	0.0126	0.0022	5.926	0.0002	-0.0002
Stddev	0.0003	0.0018	0.045	0.025	0.0001	0.0001	0.014	0.0003	0.0007
%RSD	82.97	0.4285	1.852	0.4728	0.8292	2.998	0.2424	108.8	292.2
#1	-0.0005	0.4242	2.451	5.279	0.0125	0.0023	5.937	0.0004	0.0005
#2	-0.0004	0.4207	2.508	5.328	0.0127	0.0022	5.931	0.0003	-0.0010
#3	0.0000	0.4232	2.418	5.314	0.0125	0.0022	5.909	-0.0001	-0.0002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0002	-0.0003	2.096	-0.0002	2.904	0.0133	-0.0020	0.0030	0.0008
Stddev	0.0002	0.0003	0.011	0.0002	0.0015	0.0005	0.0009	0.0001	0.0000
%RSD	73.51	110.3	0.5226	99.07	0.5287	3.449	45.85	4.067	4.096
#1	0.0001	-0.0003	2.084	0.0000	0.2919	0.0132	-0.0026	0.0029	0.0008
#2	0.0001	0.0000	2.101	-0.0002	0.2905	0.0129	-0.0024	0.0030	0.0008
#3	0.0004	-0.0006	2.105	-0.0005	0.2888	0.0138	-0.0009	0.0031	0.0008
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2518.5	4791.1	37997	3419.6					
Stddev	1.3	11.0	138.	24.0					
%RSD	0.05002	0.22989	0.36264	0.70073					
#1	2520.0	4795.3	38070.	3445.3					
#2	2518.1	4778.6	38083.	3397.9					
#3	2517.6	4799.4	37838.	3415.6					

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Sample Name: FA31677-11 Acquired: 2/29/2016 12:53:36 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0001	0.0401	-0.0016	0.0208	-0.0001	128.4	-0.0001	0.0000	0.0021
Stddev	0.0003	0.0077	0.0004	0.0003	0.0001	0.3	0.0000	0.0000	0.0001
%RSD	216.9	19.26	28.29	1.624	116.9	0.2031	20.11	421.6	3.969
#1	0.0002	0.0359	-0.0013	0.0204	-0.0002	128.1	-0.0001	0.0001	0.0020
#2	-0.0003	0.0354	-0.0014	0.0210	0.0000	128.4	-0.0001	0.0000	0.0021
#3	-0.0003	0.0491	-0.0021	0.0209	0.0000	128.6	-0.0001	-0.0001	0.0021
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0001	0.4110	2.585	16.99	0.0227	0.0063	19.44	0.0025	-0.0001
Stddev	0.0003	0.0055	0.036	0.04	0.0000	0.0001	0.05	0.0002	0.0006
%RSD	231.4	1.342	1.389	0.2151	0.0541	1.791	0.2372	7.328	428.6
#1	0.0002	0.4174	2.544	16.95	0.0227	0.0062	19.39	0.0026	0.0004
#2	-0.0002	0.4080	2.599	17.00	0.0227	0.0063	19.45	0.0023	-0.0001
#3	-0.0004	0.4077	2.611	17.02	0.0227	0.0064	19.47	0.0026	-0.0007
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0000	0.0001	3.160	0.0000	0.5265	0.0009	-0.0012	0.0009	0.0792
Stddev	0.0003	0.0011	0.012	0.0004	0.0007	0.0001	0.0002	0.0001	0.0001
%RSD	591.6	849.5	0.3795	12000.	0.1396	14.71	19.35	7.200	0.0941
#1	0.0003	-0.0005	3.155	0.0004	0.5263	0.0007	-0.0014	0.0009	0.0791
#2	0.0000	-0.0005	3.152	0.0000	0.5259	0.0009	-0.0014	0.0008	0.0793
#3	-0.0002	0.0014	3.174	-0.0004	0.5273	0.0010	-0.0010	0.0010	0.0792
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2392.9	4647.2	37110.	3418.2					
Stddev	4.3	13.0	116.	19.2					
%RSD	0.18080	0.27993	0.31134	0.56064					
#1	2393.9	4639.7	37178.	3427.3					
#2	2396.7	4662.2	36976.	3396.1					
#3	2388.2	4639.6	37174.	3431.1					

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7.1
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Sample Name: FA31677-12 Acquired: 2/29/2016 12:58:02 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0005	0.0899	-0.0016	0.0182	-0.0001	92.32	-0.0001	-0.0001	0.0014
Stddev	0.0003	0.0055	0.0004	0.0001	0.0001	0.24	0.0000	0.0001	0.0002
%RSD	57.53	6.146	28.37	0.7178	58.51	2618	19.03	49.68	11.88
#1	-0.0002	0.0904	-0.0017	0.0181	-0.0002	92.59	-0.0001	-0.0001	0.0012
#2	-0.0006	0.0842	-0.0019	0.0183	-0.0001	92.19	-0.0002	-0.0001	0.0014
#3	-0.0006	0.0953	-0.0011	0.0181	0.0000	92.16	-0.0001	-0.0002	0.0016
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0005	1.610	2.162	10.38	0.0142	0.0027	11.78	0.0002	0.0000
Stddev	0.0002	0.008	0.025	0.03	0.0000	0.0002	0.05	0.0001	0.000
%RSD	49.33	0.4711	1.167	0.2600	0.2454	5.961	0.4386	54.65	1977.
#1	0.0003	1.601	2.160	10.41	0.0142	0.0027	11.83	0.0003	0.0004
#2	0.0005	1.614	2.138	10.35	0.0142	0.0026	11.73	0.0001	0.0001
#3	0.0008	1.615	2.189	10.38	0.0142	0.0029	11.78	0.0002	-0.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0003	-0.0012	2.331	0.0030	0.4140	0.0019	-0.0009	0.0027	0.0054
Stddev	0.0006	0.0022	0.015	0.0001	0.0008	0.0003	0.0006	0.0002	0.0000
%RSD	199.8	187.7	0.6261	3.461	0.2027	16.09	65.26	6.034	0.4143
#1	-0.0009	-0.0036	2.348	0.0029	0.4149	0.0016	-0.0015	0.0028	0.0054
#2	-0.0004	-0.0005	2.325	0.0031	0.4132	0.0022	-0.0005	0.0027	0.0054
#3	0.0003	0.0006	2.321	0.0029	0.4140	0.0021	-0.0006	0.0025	0.0054
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2440.6	4704.4	37066.	3443.7					
Stddev	12.3	22.2	169.	3.6					
%RSD	0.50201	0.47177	0.45490	0.10330					
#1	2431.7	4686.0	36876.	3443.6					
#2	2435.6	4698.1	37198.	3440.2					
#3	2454.6	4729.1	37125.	3447.3					

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Sample Name: FA31677-13 Acquired: 2/29/2016 13:02:30 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0005	0.0570	-0.0017	0.0398	-0.0001	133.2	-0.0001	-0.0002	0.0006
Stddev	0.0002	0.0108	0.0001	0.0007	0.0001	0.5	0.0000	0.0001	0.0002
%RSD	48.45	19.02	4.469	1.648	133.6	0.3514	31.27	57.39	36.82
#1	-0.0004	0.0583	-0.0017	0.0390	-0.0001	133.4	-0.0001	-0.0001	0.0005
#2	-0.0003	0.0671	-0.0016	0.0403	0.0000	133.6	-0.0001	-0.0003	0.0005
#3	-0.0007	0.0455	-0.0018	0.0400	-0.0001	132.7	-0.0001	-0.0002	0.0009
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0006	1.0							

Sample Name: FA31677-14 Acquired: 2/29/2016 13:06:56 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.8036	0.017	0.0273	0.000	130.3	-0.001	0.003	0.026
Stddev	0.004	0.175	0.013	0.004	0.00	.1	0.001	0.001	0.001
%RSD	189.9	2.180	75.24	1.364	49.75	0.729	43.35	39.90	5.420
#1	-0.007	0.7893	0.010	0.0268	0.000	130.3	-0.001	0.002	0.025
#2	0.000	0.8232	0.032	0.0274	0.000	130.2	-0.002	0.002	0.027
#3	0.000	0.7983	0.009	0.0275	-0.001	130.3	-0.001	0.004	0.027
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.003	4.269	1.644	18.01	0.0096	0.096	34.03	0.025	-0.005
Stddev	0.002	0.29	0.059	0.09	0.000	0.000	.11	0.001	0.002
%RSD	71.22	6.834	3.572	0.5015	0.4723	0.2930	0.3148	4.824	45.71
#1	-0.005	4.244	1.710	18.04	0.0096	0.095	33.92	0.025	-0.003
#2	-0.001	4.301	1.627	18.08	0.0096	0.096	34.13	0.026	-0.007
#3	-0.003	4.264	1.596	17.91	0.0096	0.096	34.03	0.023	-0.006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.007	0.031	2.773	0.009	0.6924	0.300	-0.019	0.059	0.000
Stddev	0.011	0.006	0.07	0.005	0.039	0.021	0.004	0.000	0.000
%RSD	151.1	18.90	2.636	50.17	5.664	6.909	19.52	4.566	63.67
#1	-0.002	0.025	2.780	0.011	0.6904	0.290	-0.018	0.059	0.001
#2	0.020	0.032	2.766	0.004	0.6969	0.286	-0.017	0.059	0.000
#3	0.005	0.037	2.774	0.013	0.6899	0.323	-0.024	0.060	0.000
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2380.5	4647.9	36791.	3388.0					
Stddev	3.7	20.1	56.	11.4					
%RSD	0.15744	0.43179	0.15308	0.33500					
#1	2379.7	4650.9	36728.	3388.7					
#2	2384.6	4666.3	36838.	3399.0					
#3	2377.2	4626.5	36806.	3376.4					

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Sample Name: FA31743-1 Acquired: 2/29/2016 13:11:22 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	0.181	0.000	0.076	0.000	84.31	-0.001	0.001	0.000
Stddev	0.005	0.027	0.002	0.003	0.00	0.09	0.000	0.000	0.001
%RSD	110.5	14.96	25560.0	3.687	277.9	0.1086	30.24	58.32	311.5
#1	-0.009	0.150	-0.019	0.075	0.000	84.29	-0.001	0.001	0.001
#2	0.000	0.198	0.007	0.074	0.000	84.23	0.000	0.001	-0.001
#3	-0.003	0.195	0.011	0.079	0.000	84.41	-0.001	0.000	0.001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.001	2.236	1.110	1.643	0.0154	0.025	5.227	0.000	0.000
Stddev	0.001	0.023	0.037	0.08	0.001	0.001	0.020	0.00	0.005
%RSD	117.2	1.026	3.320	4.862	0.5507	3.285	0.3877	1596.	2744.0
#1	0.000	2.263	1.069	1.646	0.0153	0.025	5.236	-0.001	0.001
#2	-0.001	2.220	1.138	1.648	0.0154	0.025	5.203	-0.001	0.004
#3	-0.003	2.227	1.125	1.633	0.0155	0.024	5.240	0.001	-0.005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.002	-0.022	1.622	0.001	0.8850	0.002	-0.018	0.004	0.330
Stddev	0.010	0.004	0.02	0.004	0.033	0.001	0.009	0.000	0.001
%RSD	528.8	18.42	1.478	313.2	3.695	21.92	48.71	2.722	2649
#1	-0.009	-0.023	1.624	0.006	0.8849	0.002	-0.016	0.004	0.329
#2	0.010	-0.025	1.620	0.000	0.8818	0.002	-0.011	0.004	0.329
#3	0.005	-0.017	1.622	-0.002	0.8884	0.003	-0.028	0.004	0.331
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2510.1	4723.9	37784.	3416.4					
Stddev	3.9	10.4	120.	23.9					
%RSD	0.15372	0.21967	0.31887	0.70064					
#1	2512.1	4711.9	37693.	3425.2					
#2	2512.6	4730.2	37921.	3434.7					
#3	2505.7	4729.6	37740.	3389.3					

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Sample Name: CCV Acquired: 2/29/2016 13:15:47 Type: QC
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.517	41.28	2.044	2.091	2.033	40.12	2.083	2.113	2.025
Stddev	0.010	0.09	0.006	0.04	0.02	0.11	0.07	0.03	0.006
%RSD	0.4115	0.2248	0.2980	0.1813	0.1077	0.2851	0.3144	0.1605	0.2758
#1	2.509	41.24	2.046	2.091	2.035	40.01	2.077	2.110	2.032
#2	2.529	41.39	2.037	2.094	2.033	40.24	2.082	2.112	2.022
#3	2.513	41.22	2.049	2.086	2.031	40.10	2.090	2.117	2.022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.056	41.14	40.39	39.90	2.008	2.090	40.47	2.066	1.993
Stddev	0.007	0.08	0.05	0.05	0.04	0.03	0.08	0.005	0.007
%RSD	0.3330	0.1985	0.1289	0.1265	0.2077	0.1626	0.1934	0.2466	0.3619
#1	2.029	41.08	40.34	39.88	2.012	2.086	40.48	2.063	1.987
#2	2.040	41.24	40.44	39.86	2.004	2.092	40.54	2.064	1.991
#3	2.041	41.11	40.40	39.95	2.009	2.091	40.38	2.072	2.001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.056	2.076	1.728	2.032	2.004	1.999	2.011	1.970	2.029
Stddev	0.003	0.009	0.001	0.009	0.005	0.001	0.004	0.005	0.012
%RSD	0.1215	0.4445	0.0664	0.4517	0.2307	0.0650	0.1882	0.2374	0.5645
#1	2.054	2.071	1.726	2.030	2.007	2.001	2.008	1.975	2.022
#2	2.058	2.070	1.728	2.024	2.005	1.998	2.010	1.968	2.022
#3	2.058	2.087	1.728	2.042	1.999	1.999	2.015	1.966	2.042
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 2/29/2016 13:15:47 Type: QC
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2299.8	4719.1	37589.	3423.9
Stddev	3.4	3.6	67.	10.9
%RSD	0.14625	0.07527	0.17866	0.31796
#1	2303.0	4722.9	37589.	3433.1
#2	2300.0	4718.4	37521.	3426.6
#3	2296.3	4715.9	37656.	3411.9

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Sample Name: CCB Acquired: 2/29/2016 13:19:59 Type: QC
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include Units, Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Units, Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Units, Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: CCB Acquired: 2/29/2016 13:19:59 Type: QC
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Cts/S, Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: FA31637-1 Acquired: 2/29/2016 13:24:31 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 4 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Sample Name: FA31669-1 Acquired: 2/29/2016 13:29:10 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 4 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Sample Name: FA31670-1 Acquired: 2/29/2016 13:33:34 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stdev, %RSD, and Int. Std. values.

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Sample Name: FA31671-37 Acquired: 2/29/2016 13:38:02 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stdev, %RSD, and Int. Std. values.

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Sample Name: FA31672-27 Acquired: 2/29/2016 13:42:30 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stdev, %RSD, and Int. Std. values.

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Sample Name: FA31656-1 Acquired: 2/29/2016 13:46:57 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stdev, %RSD, and Int. Std. values.

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Sample Name: FA31656-2 Acquired: 2/29/2016 13:51:23 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	0.0339	-0.0008	0.0593	-0.0001	101.5	-0.0001	0.0023	0.0002
Stddev	0.001	0.0066	0.0004	0.0002	0.0000	.2	0.0000	0.0001	0.0002
%RSD	9.904	19.45	49.85	.2932	10.34	.1702	42.41	4.637	92.97
#1	-0.005	0.0276	-0.0011	0.0593	-0.0001	101.6	-0.0001	0.0022	0.0002
#2	-0.0006	0.0334	-0.0004	0.0594	-0.0001	101.3	-0.0001	0.0024	0.0004
#3	-0.0005	0.0407	-0.0008	0.0591	-0.0001	101.5	-0.0002	0.0023	0.0000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0005	0.6494	3.994	23.64	1.579	0.011	39.07	0.0050	0.0001
Stddev	0.002	0.017	0.034	0.09	0.007	0.001	0.01	0.002	0.0004
%RSD	40.59	.2637	.8525	.3831	.4270	10.36	.0213	3.936	293.1
#1	0.0008	0.6479	3.978	23.68	1.587	0.011	39.08	0.0048	0.0000
#2	0.0004	0.6491	3.971	23.53	1.577	0.013	39.06	0.0050	-0.0002
#3	0.0004	0.6513	4.033	23.70	1.574	0.011	39.07	0.0052	0.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0005	-0.0034	2.570	-0.0001	0.4597	0.005	-0.0008	-0.0001	0.2600
Stddev	0.004	0.016	0.015	0.004	0.002	0.001	0.015	0.003	0.0003
%RSD	93.12	48.47	.5982	626.9	.0437	17.93	181.4	375.9	1.218
#1	0.0006	-0.0035	2.555	-0.0005	0.4598	0.004	-0.0018	-0.0004	0.2597
#2	0.0000	-0.0049	2.569	0.0001	0.4595	0.005	0.0009	0.0002	0.2603
#3	0.0009	-0.0017	2.585	0.0002	0.4599	0.005	-0.0017	0.0000	0.2601
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2363.8	4567.4	36537.	3314.0					
Stddev	11.1	26.1	217.	14.8					
%RSD	0.46850	0.57105	0.59290	0.44611					
#1	2375.0	4593.3	36346.	3310.4					
#2	2363.5	4567.7	36491.	3330.3					
#3	2352.9	4541.2	36772.	3301.4					

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Sample Name: MP30042-MB1 Acquired: 2/29/2016 13:55:48 Type: QC
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	0.0020	-0.0017	-0.0004	-0.0001	0.0069	-0.0001	-0.0001	0.0000
Stddev	0.0003	0.0114	0.0006	0.0001	0.0000	0.0029	0.0000	0.0000	0.0002
%RSD	81.06	574.6	33.57	23.33	30.35	41.96	35.17	15.99	1792.
#1	0.0000	0.0141	-0.0023	-0.0003	0.0000	0.0102	-0.0001	-0.0002	-0.0002
#2	-0.0005	0.0006	-0.0016	-0.0003	-0.0001	0.0053	-0.0001	-0.0002	0.0001
#3	-0.0004	-0.0087	-0.0012	-0.0005	-0.0001	0.0051	-0.0001	-0.0001	0.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	-0.0087	0.0093	0.0002	-0.0001	-0.0007	0.0428	-0.0003	-0.0003
Stddev	0.0003	0.0016	0.0257	0.0156	0.0000	0.0001	0.0012	0.0001	0.0004
%RSD	55.03	18.83	277.7	8502.	13.33	18.95	2.768	27.29	139.6
#1	-0.0003	-0.0103	-0.0189	0.0074	-0.0001	-0.0007	0.0419	-0.0002	0.0001
#2	-0.0008	-0.0070	0.0315	-0.0177	-0.0001	-0.0006	0.0441	-0.0003	-0.0007
#3	-0.0005	-0.0089	0.0153	0.0109	-0.0001	-0.0009	0.0423	-0.0003	-0.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0006	0.0003	0.0067	-0.0001	-0.0001	-0.0007	-0.0018	-0.0002	-0.0005
Stddev	0.0007	0.0002	0.0001	0.0003	0.0000	0.0000	0.0002	0.0001	0.0000
%RSD	110.2	63.31	0.7680	272.9	37.98	6.432	13.56	37.46	8.747
#1	0.0012	0.0001	0.0067	-0.0001	-0.0001	-0.0007	-0.0015	-0.0003	-0.0004
#2	0.0007	0.0003	0.0067	-0.0004	-0.0001	-0.0008	-0.0018	-0.0001	-0.0005
#3	-0.0001	0.0005	0.0066	0.0002	-0.0002	-0.0007	-0.0020	-0.0002	-0.0005
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: MP30042-MB1 Acquired: 2/29/2016 13:55:48 Type: QC
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2714.6	4892.8	39528.	3461.4
Stddev	3.3	10.4	23.	16.1
%RSD	0.12207	0.21177	0.05900	0.46399
#1	2710.8	4880.9	39526.	3444.4
#2	2717.1	4900.2	39505.	3476.4
#3	2715.9	4897.1	39551.	3463.3

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Sample Name: MP30042-B1 Acquired: 2/29/2016 14:00:20 Type: QC
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0473	28.66	2.004	2.145	0.0526	25.87	0.0524	0.5307	0.2060
Stddev	0.0007	0.09	0.003	0.007	0.0002	0.15	0.0000	0.0002	0.0010
%RSD	1.421	0.3093	0.1556	0.3385	0.3532	0.5769	0.0708	0.0458	0.4870
#1	0.0467	28.59	2.005	2.145	0.0528	25.70	0.0524	0.5307	0.2072
#2	0.0480	28.63	2.000	2.137	0.0528	25.98	0.0524	0.5302	0.2055
#3	0.0471	28.76	2.006	2.152	0.0524	25.94	0.0524	0.5303	0.2054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.2618	27.91	25.88	25.75	0.5157	0.5337	26.24	0.5246	0.4825
Stddev	0.0002	0.08	0.14	0.21	0.0024	0.0004	0.08	0.0003	0.0005
%RSD	0.0892	0.2790	0.5505	0.8219	0.4571	0.0796	0.2960	0.0496	0.0990
#1	0.2616	27.82	25.73	25.54	0.5184	0.5333	26.21	0.5245	0.4826
#2	0.2620	27.96	26.01	25.97	0.5143	0.5341	26.18	0.5244	0.4820
#3	0.2616	27.96	25.91	25.75	0.5144	0.5336	26.33	0.5249	0.4830
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.5092	2.039	0.1076	0.5231	0.5085	0.5126	1.942	0.4739	0.5117
Stddev	0.0034	0.007	0.0005	0.0007	0.0017	0.0016	0.002	0.0011	0.0010
%RSD	0.6604	0.3566	3.005	0.1262	0.3298	0.3025	0.0832	0.2294	0.1929
#1	0.5130	2.047	0.1071	0.5228	0.5081	0.5139	1.942	0.4751	0.5126
#2	0.5081	2.039	0.1081	0.5227	0.5071	0.5130	1.940	0.4738	0.5106
#3	0.5066	2.032	0.1078	0.5239	0.5104	0.5109	1.943	0.4729	0.5119
Check ?	Chk Pass	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: MP30042-B1 Acquired: 2/29/2016 14:00:20 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2433.6	4783.9	3819.8	3497.1
Stddev	2.0	4.5	163.	19.4
%RSD	.08179	.09356	.42616	.55356
#1	2431.6	4783.5	3801.2	3515.8
#2	2433.6	4779.6	38265.	3477.1
#3	2435.6	4788.5	38317.	3498.3

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Sample Name: FA31387-1 Acquired: 2/29/2016 14:04:33 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
IS Ref									
Avg	.0003	.0164	-.0021	.0932	-.0001	8.188	-.0001	.0014	.0007
Stddev	.0001	.0036	.0002	.0003	.0000	.061	.0000	.0001	.0001
%RSD	18.21	21.63	10.25	.3094	28.19	.7513	39.35	5.107	16.78
#1	.0003	.0203	-.0019	.0934	-.0001	8.258	-.0001	.0014	.0007
#2	.0003	.0156	-.0022	.0928	-.0001	8.160	-.0001	.0014	.0008
#3	.0004	.0134	-.0023	.0933	.0000	8.145	-.0001	.0013	.0006
Elem	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
IS Ref									
Avg	.0014	.0164	.4265	2.131	5.659	-.0006	149.4	.0015	.0008
Stddev	.0003	.0013	.0338	.034	.018	.0002	.3	.0001	.0003
%RSD	20.33	7.679	7.915	1.590	.3167	30.81	.2224	7.132	33.01
#1	.0011	.0176	.4213	2.160	5.674	-.0005	149.5	.0015	.0006
#2	.0017	.0164	.3957	2.140	5.663	-.0006	149.6	.0017	.0011
#3	.0015	.0151	.4626	2.094	5.639	-.0009	149.0	.0015	.0009
Elem	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
IS Ref									
Avg	.0013	.0002	.4029	.0004	.0387	.0000	-.0001	-.0001	.0141
Stddev	.0007	.0009	.0011	.0002	.0003	.000	.0015	.0000	.0001
%RSD	55.41	399.2	.2608	47.86	.6491	55.75	1065.	27.42	.5884
#1	.0009	.0011	.4038	.0006	.0389	.0000	.0015	-.0001	.0142
#2	.0021	-.0007	.4030	.0002	.0388	.0000	-.0005	-.0001	.0141
#3	.0009	.0002	.4018	.0005	.0384	-.0001	-.0014	-.0001	.0140
Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710					
Avg	2400.0	4689.9	3661.9	3370.3					
Stddev	8.9	13.2	43.	17.7					
%RSD	.37219	.28226	.11725	.52497					
#1	2390.1	4674.8	3657.6	3365.9					
#2	2407.3	4699.2	3662.0	3355.3					
#3	2402.7	4695.9	3666.2	3389.8					

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7.1
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Sample Name: CCV Acquired: 2/29/2016 14:09:10 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2519	41.50	2.036	2.077	2.049	40.20	2.081	2.109	2.057
Stddev	.0007	.07	.005	.007	.007	.13	.006	.006	.002
%RSD	.2626	.1772	.2426	.3337	.3314	.3188	.2842	.3105	.0966
#1	.2526	41.43	2.035	2.073	2.046	40.18	2.078	2.105	2.057
#2	.2519	41.58	2.031	2.085	2.057	40.34	2.078	2.106	2.059
#3	.2512	41.48	2.041	2.073	2.045	40.08	2.088	2.117	2.055

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.057	41.48	40.50	40.36	2.062	2.090	40.63	2.066	1.989
Stddev	.012	.13	.07	.14	.006	.008	.09	.004	.004
%RSD	.5780	.3227	.1679	.3560	.2734	.3805	.2260	.2193	.2184
#1	2.062	41.38	40.47	40.50	2.063	2.083	40.54	2.063	1.986
#2	2.067	41.63	40.58	40.38	2.067	2.089	40.72	2.064	1.987
#3	2.044	41.42	40.45	40.21	2.056	2.098	40.65	2.071	1.994

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.050	2.063	1.715	2.030	2.024	2.042	2.006	1.988	2.041
Stddev	.010	.002	.007	.006	.007	.008	.002	.001	.007
%RSD	.4926	.1023	.4250	.2795	.3457	.3919	.0770	.0557	.3498
#1	2.038	2.061	1.706	2.027	2.017	2.041	2.005	1.988	2.046
#2	2.052	2.062	1.719	2.026	2.031	2.050	2.007	1.989	2.033
#3	2.058	2.065	1.719	2.036	2.023	2.034	2.004	1.987	2.044

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: CCV Acquired: 2/29/2016 14:09:10 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2293.3	4697.7	3696.2	3373.1
Stddev	3.3	14.7	124.	6.0
%RSD	.14370	.31342	.33471	.17723
#1	2294.3	4711.3	3688.7	3366.4
#2	2296.0	4699.8	3710.4	3377.8
#3	2289.6	4682.1	3689.3	3375.2

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Sample Name: CCB Acquired: 2/29/2016 14:13:21 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	0.011	-0.004	0.002	0.002	0.051	0.000	0.001	0.000
Stddev	0.002	0.044	0.005	0.002	0.001	0.053	0.000	0.001	0.001
%RSD	54.06	417.2	127.5	92.12	31.50	103.7	170.5	111.4	324.5

#1	-0.004	-0.038	0.000	0.003	0.003	0.008	0.000	0.001	-0.001
#2	-0.004	0.048	-0.009	0.000	0.002	0.111	0.000	0.002	0.001
#3	-0.001	0.022	-0.002	0.004	0.002	0.035	0.000	0.000	0.000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	0.168	0.151	-0.020	0.002	0.009	0.040	0.001	-0.002
Stddev	0.003	0.048	0.183	0.262	0.000	0.002	0.020	0.001	0.003
%RSD	128.2	28.52	121.5	1298.	5.754	26.70	5.029	82.12	163.7

#1	-0.005	0.216	0.116	0.267	0.002	0.011	0.379	0.001	0.001
#2	0.001	0.169	-0.013	-0.080	0.001	0.009	0.415	0.000	-0.005
#3	-0.004	0.120	0.348	-0.247	0.001	0.006	0.413	0.001	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.006	-0.002	0.028	0.007	0.001	0.011	-0.002	0.001	0.001
Stddev	0.012	0.017	0.029	0.003	0.001	0.002	0.008	0.001	0.001
%RSD	222.1	961.4	103.3	43.30	81.22	15.81	338.4	213.3	44.59

#1	0.007	0.001	0.009	0.007	0.003	0.012	-0.008	0.001	0.002
#2	-0.007	-0.020	0.014	0.009	0.002	0.011	0.007	-0.001	0.001
#3	0.017	0.013	0.061	0.004	0.000	0.009	-0.005	0.002	0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 2/29/2016 14:13:21 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2697.3	4851.4	3874.0	3421.0
Stddev	6.4	11.2	28.	5.3
%RSD	.23879	.23070	.07285	.15587

#1	2693.6	4862.4	38711.	3416.8
#2	2704.8	4851.8	38768.	3427.0
#3	2693.6	4840.0	38740.	3419.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	0.168	0.151	-0.020	0.002	0.009	0.040	0.001	-0.002
Stddev	0.003	0.048	0.183	0.262	0.000	0.002	0.020	0.001	0.003
%RSD	128.2	28.52	121.5	1298.	5.754	26.70	5.029	82.12	163.7

#1	-0.005	0.216	0.116	0.267	0.002	0.011	0.379	0.001	0.001
#2	0.001	0.169	-0.013	-0.080	0.001	0.009	0.415	0.000	-0.005
#3	-0.004	0.120	0.348	-0.247	0.001	0.006	0.413	0.001	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.006	-0.002	0.028	0.007	0.001	0.011	-0.002	0.001	0.001
Stddev	0.012	0.017	0.029	0.003	0.001	0.002	0.008	0.001	0.001
%RSD	222.1	961.4	103.3	43.30	81.22	15.81	338.4	213.3	44.59

#1	0.007	0.001	0.009	0.007	0.003	0.012	-0.008	0.001	0.002
#2	-0.007	-0.020	0.014	0.009	0.002	0.011	0.007	-0.001	0.001
#3	0.017	0.013	0.061	0.004	0.000	0.009	-0.005	0.002	0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30042-D1 Acquired: 2/29/2016 14:17:54 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.004	0.096	-0.014	0.933	-0.001	8.227	-0.001	0.014	0.008
Stddev	0.003	0.048	0.004	0.005	0.000	0.26	0.000	0.001	0.000
%RSD	72.73	49.58	32.96	5.578	31.07	3.212	41.94	6.993	5.678

#1	0.007	0.142	-0.009	0.931	0.000	8.246	-0.001	0.015	0.007
#2	0.002	0.047	-0.018	0.939	-0.001	8.239	-0.001	0.013	0.008
#3	0.002	0.099	-0.015	0.929	-0.001	8.197	0.000	0.014	0.008

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.015	0.126	0.3715	2.145	5.621	-0.004	149.8	0.014	0.002
Stddev	0.003	0.012	0.292	0.27	0.58	0.001	8	0.001	0.002
%RSD	20.00	9.274	7.863	1.278	1.030	17.66	5.399	9.171	116.4

#1	0.019	0.126	0.3860	2.176	5.576	-0.003	150.2	0.015	0.003
#2	0.014	0.137	0.3905	2.124	5.687	-0.004	150.4	0.013	0.003
#3	0.014	0.114	0.3378	2.135	5.602	-0.004	148.9	0.015	-0.001

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.008	0.005	0.4045	0.002	0.388	0.001	-0.003	-0.001	0.140
Stddev	0.003	0.001	0.011	0.002	0.002	0.000	0.011	0.001	0.001
%RSD	43.08	21.27	2.691	105.7	0.4785	49.36	379.4	90.33	0.4464

#1	0.004	0.005	0.4054	0.000	0.389	0.001	-0.001	-0.003	0.141
#2	0.008	0.004	0.4048	0.005	0.390	0.002	-0.015	-0.001	0.140
#3	0.011	0.007	0.4032	0.002	0.386	0.001	0.007	0.000	0.140

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2390.4	4647.5	36325.	3358.7
Stddev	11.1	12.0	234.	15.0
%RSD	0.46458	0.25866	0.64489	0.44613

#1	2380.0	4634.8	36376.	3346.0
#2	2389.2	4648.9	36070.	3354.9
#3	2402.1	4658.7	36530.	3375.3

Sample Name: MP30042-SD1 Acquired: 2/29/2016 14:22:31 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.002	0.322	-0.042	0.854	-0.002	7.729	-0.004	0.011	0.001
Stddev	0.006	0.116	0.019	0.003	0.004	0.005	0.000	0.004	0.005
%RSD	349.4	36.05	44.63	3.426	244.0	0.603	8.468	38.23	547.0

#1	-0.003	0.411	-0.056	0.851	0.003	7.726	-0.004	0.011	0.004
#2	0.009	0.191	-0.049	0.856	-0.003	7.727	-0.004	0.006	0.004
#3	-0.001	0.363	-0.021	0.856	-0.005	7.735	-0.004	0.015	-0.005

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.003	-0.241	0.3944	2.100	5.598	-0.034	141.7	0.009	-0.012
Stddev	0.002	0.140	0.1243	0.148	0.11	0.005	7	0.004	0.013
%RSD	51.24	58.24	31.50	7.055	1.969	13.77	5.030	39.15	113.2

#1	-0.001	-0.338	0.4710	2.210	5.609	-0.032	142.5	0.006	-0.021
#2	-0.004	-0.080	0.4611	2.159	5.597	-0.040	141.2	0.013	-0.018
#3	-0.003	-0.305	0.2510						

Sample Name: MP30042-S1 Acquired: 2/29/2016 14:27:02 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0502	30.02	2.109	2.319	.0551	34.96	.0536	5.399	2.118
Stddev	.0004	.15	.003	.007	.0001	.11	.0001	.0010	.0011
%RSD	.7146	.5114	.1467	.3213	.2502	.3261	.1352	.1894	.5133
#1	.0506	30.04	2.108	2.313	.0550	34.91	.0536	5.402	2.129
#2	.0502	30.17	2.107	2.327	.0552	35.09	.0536	5.408	2.118
#3	.0499	29.86	2.113	2.317	.0552	34.88	.0535	5.388	2.107
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2745	29.21	27.64	28.97	F 5.997	5.489	F 176.3	5.341	4.997
Stddev	.0007	.19	.14	.17	.046	.0005	1.4	.0011	.0017
%RSD	.2635	.6430	.5116	.5875	.7718	.0857	.8142	.2068	.3342
#1	.2753	29.21	27.64	28.97	6.049	5.487	177.9	5.351	4.981
#2	.2742	29.40	27.77	29.15	5.961	5.494	175.6	5.343	5.014
#3	.2739	29.03	27.49	28.81	5.981	5.486	175.3	5.330	4.995
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5276	2.164	4.238	5.282	5.312	1.962	4.872	5.246	5.516
Stddev	.0012	.006	.0013	.0014	.0009	.0020	.007	.0022	.0006
%RSD	.2348	.2687	.3082	.2639	.1508	.3848	.3425	4.479	1.146
#1	.5290	2.170	4.241	5.288	.5676	5.331	1.958	4.891	5.422
#2	.5274	2.162	4.250	5.266	.5692	5.315	1.969	4.875	5.417
#3	.5266	2.159	4.224	5.292	.5678	5.291	1.957	4.848	5.409
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2263.8	4588.0	36409.	3354.4					
Stddev	3.6	8.9	41.	31.8					
%RSD	.16092	.19418	.11231	.94848					
#1	2260.0	4579.0	36362.	3346.9					
#2	2264.0	4588.3	36439.	3327.0					
#3	2267.3	4596.8	36424.	3389.3					

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Sample Name: MP30042-S2 Acquired: 2/29/2016 14:31:32 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0505	29.24	2.090	2.278	.0534	34.12	.0531	5.352	2.082
Stddev	.0005	.09	.002	.005	.0004	.14	.0001	.0006	.0009
%RSD	1.036	.2914	.0839	.2269	.7896	.4215	.1190	.1186	.4528
#1	.0506	29.27	2.089	2.280	.0535	34.09	.0531	5.349	2.083
#2	.0499	29.30	2.092	2.281	.0537	34.28	.0532	5.359	2.072
#3	.0509	29.14	2.090	2.272	.0529	34.00	.0530	5.347	2.090
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2687	28.34	27.02	28.07	F 5.804	5.430	F 169.5	5.292	4.932
Stddev	.0014	.09	.13	.14	.042	.0001	2.1	.0008	.0015
%RSD	.5352	.3257	.4845	.4991	.7233	.0126	1.241	.1453	.3130
#1	.2704	28.33	27.14	28.06	5.852	5.429	168.3	5.284	4.945
#2	.2678	28.44	27.04	28.21	5.787	5.430	171.9	5.300	4.935
#3	.2680	28.25	26.88	27.93	5.774	5.430	168.3	5.293	4.915
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5242	2.145	4.176	5.226	5.543	5.190	1.941	4.797	5.352
Stddev	.0006	.005	.0011	.0005	.0018	.0019	.002	.0007	.0013
%RSD	.1113	.2320	.2636	.0928	.3270	.3658	.0783	1.384	2.393
#1	.5238	2.151	4.164	5.220	.5527	5.211	1.940	4.803	5.353
#2	.5248	2.144	4.185	5.227	.5562	5.173	1.942	4.790	5.365
#3	.5238	2.141	4.180	5.230	.5539	5.187	1.940	4.799	5.339
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2286.1	4632.3	37059.	3468.0					
Stddev	.7	1.5	106.	14.5					
%RSD	.02951	.03238	.28536	.41908					
#1	2286.4	4632.2	36943.	3465.0					
#2	2286.5	4633.9	37150.	3455.3					
#3	2285.3	4630.9	37084.	3483.9					

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7.1
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Sample Name: FA31502-1L Acquired: 2/29/2016 14:36:00 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	.0246	-0.021	.0225	.0000	4.946	-0.001	.0000	.0000
Stddev	.0004	.0116	.0012	.0004	.0000	.004	.0000	.000	.000
%RSD	155.7	47.27	54.64	1.845	66.64	.0855	37.30	3490.	11270.
#1	-0.004	.0375	-0.008	.0222	.0001	4.943	-0.002	.0001	-0.002
#2	-0.002	.0149	-0.026	.0223	.0000	4.945	-0.001	-0.001	.0001
#3	-0.006	.0214	-0.030	.0230	.0001	4.951	-0.001	.0000	.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0051	.0766	3.619	3.750	.0215	-0.004	F 138.0	.0001	.0005
Stddev	.0001	.0024	.0349	.0221	.0002	.0001	.3	.0001	.0004
%RSD	2.681	3.110	9.657	5.892	1.050	23.56	.1897	213.7	89.85
#1	.0050	.0782	.3714	.3966	.0217	-0.003	138.1	.0002	.0003
#2	.0049	.0739	.3911	.3525	.0214	-0.005	138.2	-0.001	.0010
#3	.0052	.0777	.3232	.3759	.0213	-0.004	137.7	.0000	.0002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0010	-0.0012	.1171	.0005	.0173	.0003	-0.0018	-0.0001	.0017
Stddev	.0008	.0005	.0011	.0002	.0002	.0001	.0007	.0002	.0000
%RSD	80.70	42.83	.9663	32.30	.8683	23.05	36.95	237.6	1.792
#1	.0018	-0.0008	.1179	.0005	.0172	.0003	-0.0010	.0000	.0017
#2	.0010	-0.0010	.1176	.0004	.0172	.0002	-0.0023	-0.0002	.0017
#3	.0002	-0.0018	.1158	.0007	.0175	.0003	-0.0021	.0001	.0017
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2420.5	4658.7	36988.	3412.7					
Stddev	6.2	14.1	213.	6.8					
%RSD	.25594	.30257	.57685	.19927					
#1	2415.1	4657.6	36881.	3408.2					
#2	2419.0	4645.3	36849.	3409.4					
#3	2427.3	4673.4	37234.	3420.5					

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Sample Name: FA31502-2L Acquired: 2/29/2016 14:40:30 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	.0470	-0.016	.0324	.0000	1.230	.0001	.0001	.0040
Stddev	.0001	.0082	.0007	.0005	.0000	.003	.0000	.0000	.0000
%RSD	14.34	17.38	46.58	1.496	418.4	25.21	38.42	47.05	1.090
#1	-0.004	.0427	-0.018	.0320	.0000	1.233	.0001	.0000	.0040
#2	-0.004	.0564	-0.022	.0324	.0000	1.228	.0001	.0000	.0040
#3	-0.003	.0419	-0.008	.0329	.0000	1.229	.0001	.0001	.0041
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0003	-0.024	.0963	.0841	.0010	-0.004	F 141.1	-0.001	.1814
Stddev	.0001	.0007	.0198	.0124	.0000	.0001	.2	.0002	.0005
%RSD	34.95	30.66	20.56	14.74	3.897	24.25	.1322	174.6	2.788
#1	.0004	-0.031	.0919	.0786	.0010	-0.003	141.1	.0000	.1813
#2	.0004	-0.023	.0791	.0983	.0011	-0.004	140.9	.0000	.1810
#3	.0002	-0.							

Sample Name: FA31502-3L Acquired: 2/29/2016 14:45:02 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.037	-0.020	0.149	0.000	1.366	0.000	0.001	0.004
Stddev	0.001	0.081	0.005	0.002	0.000	0.002	0.001	0.001	0.001
%RSD	43.61	25.74	23.18	1.508	123.2	0.1630	245.6	89.07	24.30
#1	-0.003	0.257	-0.021	0.151	-0.001	1.364	0.001	0.000	0.003
#2	-0.001	0.284	-0.015	0.147	0.000	1.367	0.000	0.002	0.005
#3	-0.002	0.409	-0.024	0.149	-0.001	1.368	0.000	0.001	0.005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.002	0.026	0.377	0.189	0.026	-0.005	F 142.3	0.004	0.1516
Stddev	0.003	0.009	0.227	0.038	0.002	0.001	2	0.003	0.004
%RSD	129.9	32.31	6.718	1.998	0.4277	12.91	0.1601	64.45	0.2883
#1	-0.001	0.036	0.3292	0.1940	0.0528	-0.005	142.4	0.002	0.1511
#2	-0.003	0.019	0.3204	0.1871	0.0524	-0.006	142.0	0.003	0.1520
#3	0.005	0.025	0.3634	0.1879	0.0527	-0.004	142.4	0.007	0.1517
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.003	-0.011	0.037	0.002	0.038	-0.004	-0.001	-0.001	0.1335
Stddev	0.007	0.007	0.003	0.003	0.001	0.001	0.004	0.000	0.004
%RSD	251.2	60.89	0.7848	165.3	2.191	17.22	19.45	30.48	0.2823
#1	0.004	-0.018	0.0359	0.004	0.039	-0.003	-0.026	-0.002	0.1333
#2	-0.005	-0.004	0.0359	-0.002	0.038	-0.004	-0.017	-0.001	0.1333
#3	0.009	-0.011	0.0354	0.003	0.038	-0.003	-0.021	-0.001	0.1340
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2400.5	4598.4	3654.9	3382.7					
Stddev	1.4	9.0	104.	17.0					
%RSD	0.05724	0.19473	0.28404	0.50153					
#1	2402.0	4588.2	3655.2	3383.7					
#2	2400.5	4601.6	3665.1	3399.1					
#3	2399.2	4605.3	3644.3	3365.3					

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Sample Name: FA31441-1L Acquired: 2/29/2016 14:49:29 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	0.253	-0.021	0.384	0.000	3.728	-0.001	0.003	0.002
Stddev	0.001	0.025	0.003	0.001	0.000	0.117	0.000	0.001	0.001
%RSD	28.73	1.095	13.83	0.2726	89.91	0.4662	3.761	19.97	47.08
#1	-0.005	0.274	-0.020	0.384	-0.001	3.743	-0.001	0.003	0.001
#2	-0.006	0.226	-0.019	0.383	0.000	3.709	-0.001	0.003	0.002
#3	-0.003	0.259	-0.025	0.385	0.000	3.732	-0.001	0.002	0.004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.006	0.059	0.192	0.304	0.010	-0.007	F 148.6	0.014	0.0050
Stddev	0.001	0.021	0.271	0.055	0.001	0.001	7	0.001	0.010
%RSD	2.571	3.262	14.09	1.833	0.9075	19.46	0.4902	5.616	19.69
#1	0.007	0.071	0.2098	0.3001	0.010	-0.007	149.2	0.013	0.048
#2	0.007	0.071	0.2057	0.2966	0.010	-0.008	147.7	0.015	0.060
#3	0.035	0.0634	0.1610	0.3074	0.0099	-0.006	148.7	0.014	0.041
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.011	-0.006	0.2405	0.001	0.158	0.065	-0.030	0.001	0.0070
Stddev	0.006	0.003	0.027	0.002	0.001	0.002	0.015	0.001	0.001
%RSD	54.27	61.31	1.135	143.9	0.4694	2.898	49.78	137.9	0.9374
#1	0.015	-0.008	0.2436	0.004	0.158	0.067	-0.045	0.000	0.069
#2	0.015	-0.007	0.2387	0.000	0.158	0.065	-0.015	0.003	0.070
#3	0.004	-0.002	0.2392	0.001	0.159	0.063	-0.032	0.000	0.069
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2393.8	4633.9	3679.4	3441.6					
Stddev	5.6	12.5	62.	29.2					
%RSD	0.23518	0.26926	0.16790	0.84829					
#1	2387.7	4632.0	3677.3	3425.0					
#2	2395.0	4622.5	3674.6	3475.3					
#3	2398.8	4647.2	3686.3	3424.5					

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Sample Name: MP30042-D2 Acquired: 2/29/2016 14:54:02 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	0.020	-0.015	0.239	0.001	5.348	-0.001	0.000	0.001
Stddev	0.004	0.010	0.003	0.000	0.000	0.034	0.000	0.000	0.001
%RSD	91.97	4.754	19.52	0.1345	56.44	6.296	20.49	160.2	101.5
#1	-0.008	0.196	-0.011	0.239	0.001	5.380	-0.001	0.000	0.001
#2	-0.000	0.197	-0.017	0.239	0.000	5.352	-0.001	0.000	0.002
#3	-0.006	0.213	-0.016	0.239	0.001	5.313	-0.001	0.000	0.000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.059	0.589	0.3787	0.3843	0.021	-0.006	F 142.5	0.000	0.010
Stddev	0.002	0.037	0.076	0.113	0.001	0.001	3	0.001	0.002
%RSD	3.740	6.356	1.995	2.950	0.3686	9.451	0.2318	217.2	22.87
#1	0.061	0.576	0.3830	0.3967	0.021	-0.006	142.8	0.000	0.008
#2	0.061	0.632	0.3699	0.3744	0.021	-0.005	142.5	0.001	0.013
#3	0.057	0.560	0.3830	0.3818	0.022	-0.006	142.2	0.000	0.009
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.010	-0.011	0.1218	0.002	0.180	-0.001	-0.002	-0.002	0.017
Stddev	0.010	0.006	0.010	0.003	0.002	0.000	0.002	0.001	0.001
%RSD	99.93	52.65	0.7960	114.0	1.168	56.28	9.278	76.14	6.084
#1	0.002	-0.018	0.1229	-0.001	0.181	-0.001	-0.004	0.000	0.018
#2	0.006	-0.007	0.1214	0.004	0.182	0.000	-0.002	-0.003	0.016
#3	0.020	-0.009	0.1211	0.003	0.178	-0.001	-0.002	-0.002	0.017
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2375.5	4571.2	3598.3	3324.2					
Stddev	10.6	24.9	127.	16.2					
%RSD	0.44630	0.54374	0.35256	0.48783					
#1	2369.1	4548.8	3609.4	3305.4					
#2	2369.7	4566.9	3584.4	3333.1					
#3	2387.7	4598.0	3600.9	3333.9					

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Sample Name: MP30042-MB2 Acquired: 2/29/2016 14:58:31 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.008	0.015	-0.018	-0.004	-0.001	0.013	-0.001	-0.001	-0.001
Stddev	0.003	0.092	0.009	0.002	0.001	0.014	0.000	0.001	0.002
%RSD	39.16	607.9	51.69	64.19	55.70	108.5	35.18	59.18	206.4
#1	-0.004	0.005	-0.007	-0.006	0.000	0.029	-0.002	-0.001	-0.003
#2	-0.009	-0.071	-0.023	-0.001	-0.002	0.011	-0.001	-0.002	0.001
#3	-0.010	0.112	-0.023	-0.005	-0.001	0.000	-0.001	-0.002	-0.001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									

Sample Name: MP30042-MB2 Acquired: 2/29/2016 14:58:31 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2422.8	4634.9	37035.	3399.5
Stddev	3.6	5.9	147.	10.1
%RSD	.14666	.12650	.39632	.29766
#1	2420.2	4638.4	37201.	3405.0
#2	2426.8	4638.2	36921.	3405.6
#3	2421.3	4628.1	36985.	3387.8

Sample Name: CCV Acquired: 2/29/2016 15:03:02 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	2541	41.99	2.057	2.126	2.055	40.31	2.102	2.143	2.044
Stddev	.008	.10	.004	.009	.006	.21	.004	.002	.009
%RSD	.3187	.2406	.1728	.4297	.3037	.5217	.1689	.1053	.4399
#1	.2532	42.04	2.055	2.127	2.058	40.53	2.098	2.140	2.050
#2	.2544	42.06	2.056	2.135	2.059	40.29	2.102	2.143	2.048
#3	.2548	41.87	2.061	2.116	2.048	40.11	2.105	2.144	2.034

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	2.068	41.69	40.58	40.07	2.027	2.124	40.82	2.083	1.985
Stddev	.008	.09	.15	.17	.009	.004	.12	.003	.002
%RSD	.3948	.2263	.3684	.4331	.4685	.1707	.3018	.1457	.1172
#1	2.059	41.73	40.68	40.25	2.030	2.122	40.82	2.080	1.987
#2	2.075	41.75	40.65	40.06	2.033	2.122	40.95	2.083	1.983
#3	2.069	41.58	40.41	39.90	2.016	2.129	40.70	2.086	1.985

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	2.069	2.102	1.735	2.032	2.029	2.015	2.002	1.972	2.039
Stddev	.001	.001	.001	.002	.007	.006	.006	.004	.005
%RSD	.0487	.0656	.0439	.1068	.3462	.2852	.3094	.2126	.2389
#1	2.068	2.101	1.735	2.029	2.031	2.014	2.009	1.975	2.034
#2	2.070	2.102	1.735	2.032	2.035	2.021	2.001	1.973	2.042
#3	2.068	2.104	1.736	2.033	2.022	2.010	1.997	1.967	2.042

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

7.1
7

Sample Name: CCV Acquired: 2/29/2016 15:03:02 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2297.8	4664.6	37254.	3388.6
Stddev	2.3	8.5	238.	16.8
%RSD	.10019	.18223	.63943	.49467
#1	2295.6	4669.8	36986.	3372.0
#2	2300.1	4669.2	37334.	3388.2
#3	2297.6	4654.8	37442.	3405.6

Sample Name: CCB Acquired: 2/29/2016 15:07:13 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.005	.0088	.0000	-0.003	.0002	.0014	.0000	.0001	.0001
Stddev	.002	.0047	.0005	.004	.001	.0049	.0000	.0001	.0002
%RSD	41.52	52.93	3596.	116.5	48.30	358.7	89.66	63.56	325.9
#1	-0.003	.0142	.0000	-0.006	.0003	.0016	.0001	.0001	.0001
#2	-0.004	.0066	.0005	-0.005	.0002	.0062	.0000	.0000	.0003
#3	-0.007	.0057	-0.005	.0001	.0001	-0.036	.0000	.0001	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-0.003	.0122	.0083	.0049	.0001	.0007	.0471	.0000	.0000
Stddev	.0003	.0030	.0167	.0089	.0000	.0001	.0085	.000	.000
%RSD	97.38	24.92	200.0	183.2	62.34	18.25	17.96	1053.	394.1
#1	-0.005	.0157	-0.071	.0095	.0001	.0008	.0539	-0.001	-0.001
#2	-0.003	.0103	.0260	.0105	.0000	.0008	.0376	.0002	.0002
#3	.0000	.0105	.0062	-0.054	.0000	.0006	.0497	-0.002	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0006	-0.0013	.0016	.0003	.0001	.0009	.0002	.0001	-0.0002
Stddev	.0004	.0008	.0004	.0001	.0001	.0001	.0001	.0001	.0001
%RSD	61.35	64.24	25.49	49.68	74.72	12.45	58.42	75.04	56.09
#1	.0010	-0.0007	.0013	.0001	.0000	.0010	.0003	.0002	-0.0001
#2	.0004	-0.0022	.0020	.0004	.0001	.0009	.0001	.0001	-0.0001
#3	.0004	-0.0009	.0013	.0003	.0000	.0008	.0001	.0000	-0.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 2/29/2016 15:07:13 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2696.4	4826.7	3897.4	3467.6
Stddev	10.2	14.4	176.	21.9
%RSD	.37689	.29924	.45150	.63141

#1	2687.0	4810.4	3880.4	3480.7
#2	2695.0	4832.0	3896.1	3479.9
#3	2707.2	4837.7	3915.5	3442.3

Sample Name: MP30042-B2 Acquired: 2/29/2016 15:11:46 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0498	30.22	2.138	2.234	.0552	26.86	.0547	.5511	.2156
Stddev	.0003	.07	.008	.014	.0002	.14	.0001	.0003	.0011
%RSD	.6136	.2341	.3799	.6290	.2982	.5319	.1422	.0615	.5028

#1	.0501	30.30	2.147	2.248	.0554	27.02	.0546	.5513	.2150
#2	.0495	30.17	2.138	2.220	.0553	26.82	.0548	.5513	.2168
#3	.0498	30.20	2.130	2.235	.0551	26.74	.0547	.5507	.2149

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.2763	29.25	27.36	26.85	.5401	.5612	F 170.3	.5426	.5052
Stddev	.0012	.11	.09	.13	.0016	.0005	2.7	.0018	.0015
%RSD	.4204	.3922	.3423	.4864	.2950	.0919	1.589	.3398	.3046

#1	.2776	29.38	27.38	27.00	.5418	.5609	167.2	.5447	.5062
#2	.2754	29.18	27.44	26.82	.5386	.5618	171.7	.5413	.5034
#3	.2760	29.19	27.25	26.74	.5398	.5609	172.0	.5418	.5060

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 Value Range 25.00 20.00%

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.5361	2.203	.0187	.5384	.5307	.5387	1.986	.4929	.5394
Stddev	.0022	.006	.0002	.0020	.0017	.0022	.007	.0016	.0009
%RSD	.4050	.2842	.9803	.3732	.3118	.4169	.3321	.3275	.1594

#1	.5383	2.210	.0186	.5407	.5319	.5413	1.990	.4939	.5403
#2	.5340	2.202	.0185	.5376	.5313	.5372	1.979	.4910	.5386
#3	.5359	2.197	.0189	.5369	.5288	.5377	1.990	.4937	.5393

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

7.1
7

Sample Name: MP30042-B2 Acquired: 2/29/2016 15:11:46 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2269.0	4569.0	3623.4	3388.7
Stddev	10.1	10.5	147.	18.9
%RSD	.44677	.22876	.40652	.55782

#1	2261.8	4559.2	3610.1	3367.5
#2	2280.6	4580.0	3639.3	3394.9
#3	2264.5	4567.8	3620.8	3403.7

Sample Name: MP30042-MB3 Acquired: 2/29/2016 15:16:09 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-.0004	.0075	-.0021	-.0004	.0000	-.0007	-.0001	-.0002	.0000
Stddev	.0001	.0044	.0007	.0002	.000	.0011	.0000	.0000	.0001
%RSD	33.96	58.39	34.76	64.35	102.4	172.0	29.13	6.550	117.4

#1	-.0005	.0126	-.0015	-.0001	.0000	-.0002	-.0001	-.0001	-.0001
#2	-.0003	.0045	-.0029	-.0006	.0000	-.0020	-.0001	-.0002	.0000
#3	-.0004	.0055	-.0018	-.0003	-.0001	.0002	-.0001	-.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-.0001	.0034	.0805	.0163	-.0001	-.0001	F 154.3	-.0001	.0002
Stddev	.0001	.0057	.0206	.0349	.0000	.0001	2.0	.0001	.0004
%RSD	224.8	168.8	25.58	213.4	26.73	145.7	1.274	71.66	194.7

#1	-.0001	.0096	.1016	.0109	-.0001	-.0002	153.0	-.0001	-.0002
#2	.0001	.0022	.0794	.0536	-.0001	.0001	153.5	.0000	.0003
#3	-.0002	-.0016	.0605	-.0155	-.0001	-.0002	156.6	-.0001	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 High Limit Low Limit 2.500 -2.500

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0003	-.0005	.0076	.0006	.0000	-.0002	-.0008	-.0001	-.0003
Stddev	.0007	.0023	.0001	.0002	.000	.0001	.0002	.0002	.0001
%RSD	224.1	439.1	1.859	41.75	86.69	46.59	18.29	331.8	23.26

#1	.0009	.0018	.0077	.0006	-.0001	-.0001	-.0009	.0002	-.0003
#2	.0006	-.0006	.0076	.0003	-.0001	-.0002	-.0007	-.0002	-.0002
#3	-.0005	-.0027	.0074	.0007	.0000	-.0002	-.0009	-.0002	-.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: MP30042-MB3 Acquired: 2/29/2016 15:16:09 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2398.1	4585.2	3656.6	3365.5
Stddev	4.3	3.4	137.	14.4
%RSD	.18069	.07333	.37357	.42868
#1	2401.7	4588.9	3660.3	3372.7
#2	2393.3	4584.0	3668.0	3375.0
#3	2399.4	4582.5	3641.5	3348.9

Sample Name: MP30042-B3 Acquired: 2/29/2016 15:20:47 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0515	30.74	2.185	2.291	.0560	27.36	.0556	.5605	.2171
Stddev	.0005	.15	.006	.010	.0003	.07	.0003	.0028	.0005
%RSD	.9648	.5018	.2836	.4319	.5645	.2513	.4565	.4908	.2476
#1	.0513	30.68	2.190	2.295	.0561	27.34	.0558	.5633	.2166
#2	.0521	30.91	2.186	2.299	.0562	27.43	.0556	.5603	.2177
#3	.0512	30.62	2.178	2.280	.0556	27.30	.0553	.5578	.2172

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.2803	29.71	27.76	27.12	.5420	.5713	F 183.8	.5504	.5116
Stddev	.0018	.14	.16	.26	.0009	.0015	1.9	.0026	.0014
%RSD	.6384	.4599	.5762	.9658	.1738	.2675	1.056	.4672	.2787
#1	.2819	29.61	27.69	26.91	.5423	.5729	184.7	.5524	.5122
#2	.2784	29.87	27.94	27.41	.5427	.5713	185.0	.5513	.5126
#3	.2805	29.66	27.65	27.04	.5409	.5698	181.5	.5475	.5100

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 Value Range 25.00 20.00%

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.5467	2.254	.0195	.5468	.5395	.5432	2.008	.5004	.5454
Stddev	.0030	.004	.0004	.0019	.0020	.0009	.007	.0016	.0013
%RSD	.5467	.1947	2.304	.3398	.3770	.1728	.3269	.3166	.2450
#1	.5494	2.258	.0200	.5482	.5409	.5427	2.014	.5000	.5461
#2	.5472	2.250	.0192	.5475	.5404	.5427	2.009	.5021	.5463
#3	.5435	2.254	.0192	.5447	.5372	.5443	2.001	.4990	.5439

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

7.1
7

Sample Name: MP30042-B3 Acquired: 2/29/2016 15:20:47 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2250.1	4525.4	3623.6	3357.3
Stddev	6.7	21.6	55.	21.7
%RSD	.29668	.47824	.15202	.64557
#1	2243.2	4503.3	3622.8	3364.8
#2	2250.4	4526.5	3618.5	3332.9
#3	2256.5	4546.5	3629.4	3374.3

Sample Name: MP30043-MB1 Acquired: 2/29/2016 15:25:10 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-.0003	.0041	-.0023	-.0003	.0000	.0136	-.0001	-.0001	.0004
Stddev	.0003	.0079	.0003	.0003	.000	.0031	.0000	.0000	.0002
%RSD	88.37	191.1	10.98	81.67	74.75	22.86	23.76	9.658	50.38
#1	-.0006	.0132	-.0023	.0000	.0000	.0171	-.0001	-.0001	.0004
#2	-.0002	-.0005	-.0026	-.0005	.0000	.0122	-.0001	-.0001	.0005
#3	-.0001	-.0004	-.0021	-.0005	.0000	.0114	-.0002	-.0001	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0001	.0132	.0234	.0159	.0001	-.0002	.0963	-.0002	.0000
Stddev	.0002	.0028	.0299	.0111	.0000	.0001	.0048	.0001	.0004
%RSD	168.1	21.33	127.7	69.85	15.43	54.85	4.985	62.13	5387.
#1	-.0001	.0162	.0529	.0105	.0001	-.0002	.1017	-.0003	.0003
#2	.0003	.0128	-.0070	.0286	.0001	-.0003	.0925	-.0001	.0002
#3	.0001	.0106	.0244	.0085	.0001	-.0001	.0947	-.0001	-.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0019	-.0006	.0089	.0213	-.0001	-.0001	-.0008	.0000	.0001
Stddev	.0005	.0004	.0009	.0004	.0000	.0001	.0001	.000	.0000
%RSD	25.14	74.32	10.11	2.047	38.17	101.9	16.46	111.8	25.52
#1	.0024	-.0010	.0084	.0217	-.0001	-.0002	-.0010	.0000	.0001
#2	.0015	-.0006	.0099	.0208	-.0001	-.0001	-.0007	-.0001	.0001
#3	.0018	-.0001	.0083	.0213	-.0001	.0000	-.0008	.0000	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: MP30043-MB1 Acquired: 2/29/2016 15:25:10 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2742.9	4843.5	3956.0	3473.2
Stddev	5.1	10.7	201.	32.5
%RSD	.18727	.22114	.50887	.93450
#1	2742.0	4842.8	39329.	3435.8
#2	2738.2	4833.2	39699.	3493.8
#3	2748.4	4854.6	39651.	3490.0

Sample Name: MP30043-B1 Acquired: 2/29/2016 15:29:42 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0478	29.73	2.008	2.176	.0542	26.57	.0525	.5369	.2087
Stddev	.0003	.02	.004	.003	.0004	.03	.0001	.0007	.0010
%RSD	.5258	.0814	.2054	.1431	.7624	.1185	.2257	.1319	.4732
#1	.0476	29.76	2.011	2.175	.0547	26.54	.0526	.5372	.2076
#2	.0481	29.72	2.004	2.173	.0539	26.61	.0524	.5360	.2092
#3	.0477	29.72	2.011	2.179	.0541	26.57	.0526	.5373	.2093

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.2696	28.85	26.44	26.75	.5264	.5495	26.78	.5281	.4799
Stddev	.0009	.04	.10	.09	.0017	.0012	.02	.0008	.0021
%RSD	.3263	.1266	.3870	.3476	.3304	.2176	.0711	.1508	.4278
#1	.2693	28.82	26.45	26.86	.5244	.5498	26.80	.5289	.4820
#2	.2706	28.85	26.33	26.71	.5273	.5482	26.76	.5280	.4779
#3	.2690	28.89	26.54	26.68	.5274	.5505	26.79	.5273	.4798

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.5089	2.051	.0166	.5466	.5193	.5271	1.931	.4777	.5127
Stddev	.0030	.002	.0002	.0002	.0011	.0012	.007	.0008	.0009
%RSD	.5946	.0922	1.397	.0278	.2179	.2306	.3521	.1679	.1847
#1	.5115	2.052	.0168	.5465	.5200	.5257	1.938	.4770	.5137
#2	.5056	2.052	.0168	.5467	.5180	.5279	1.925	.4786	.5119
#3	.5096	2.048	.0164	.5465	.5199	.5275	1.931	.4777	.5124

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

7.1
7

Sample Name: MP30043-B1 Acquired: 2/29/2016 15:29:42 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2441.6	4757.4	3790.3	3366.2
Stddev	4.5	4.0	22.	14.3
%RSD	.18633	.08492	.05712	.42615
#1	2436.3	4756.2	37928.	3364.4
#2	2444.2	4761.9	37887.	3352.8
#3	2444.2	4754.1	37894.	3381.3

Sample Name: FA31659-1 Acquired: 2/29/2016 15:33:56 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0004	287.5	.0455	.1883	.0017	56.20	-.0015	.0096	.2263
Stddev	.0002	.8	.0010	.0003	.0000	.35	.0001	.0001	.0012
%RSD	43.62	.2717	2.148	.1548	2.271	.6312	6.925	1.476	.5114
#1	-.0005	288.3	.0444	.1887	.0017	56.50	-.0017	.0097	.2255
#2	-.0003	286.8	.0460	.1882	.0017	55.81	-.0014	.0095	.2258
#3	-.0003	287.4	.0461	.1882	.0017	56.30	-.0015	.0098	.2277

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0672	165.2	1.362	7.474	.8219	.0089	.2799	.0374	.1165
Stddev	.0004	1.0	.014	.082	.0036	.0002	.0060	.0000	.0013
%RSD	.5761	.5879	.9892	1.092	.4415	1.793	2.138	.0594	1.143
#1	.0676	166.2	1.350	7.545	.8199	.0088	.2738	.0374	.1151
#2	.0674	164.3	1.377	7.385	.8197	.0090	.2857	.0374	.1168
#3	.0668	165.1	1.359	7.491	.8261	.0087	.2802	.0374	.1177

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0011	.0030	.9603	.0191	.0471	1.206	-.0074	.3775	.2851
Stddev	.0013	.0024	.0023	.0003	.0000	.003	.0005	.0011	.0002
%RSD	118.0	77.54	2.409	1.524	.0411	2.372	7.108	.3022	.0792
#1	.0026	.0039	9581	.0191	.0471	1.204	-.0068	.3774	.2852
#2	.0003	.0004	9601	.0193	.0470	1.205	-.0079	.3764	.2853
#3	.0004	.0049	9627	.0188	.0471	1.210	-.0074	.3786	.2849

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2359.1	5569.4	4335.8	3923.9
Stddev	2.5	7.8	179.	35.9
%RSD	.10712	.13966	.41182	.91528
#1	2357.4	5563.9	4344.3	3882.7
#2	2357.9	5578.3	4347.8	3948.6
#3	2362.0	5566.1	4315.3	3940.3

Sample Name: MP30043-D1 Acquired: 2/29/2016 15:38:16 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.007	275.6	.0420	.1754	.0014	56.49	-0.014	.0089	.2057
Stddev	.0004	1.4	.0009	.0009	.0000	.38	.0001	.0001	.0004
%RSD	48.86	.5073	2.085	.5090	3.182	.6726	9.250	1.054	.2104
#1	-.0003	276.5	.0412	.1761	.0015	56.61	-.0013	.0088	.2059
#2	-.0008	276.4	.0430	.1757	.0014	56.80	-.0016	.0090	.2061
#3	-.0011	274.0	.0419	.1744	.0014	56.07	-.0014	.0089	.2052
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0641	155.7	1.150	11.88	.6823	.0083	.1947	.0365	.0980
Stddev	.0003	.9	.038	.06	.0018	.0003	.0076	.0002	.0003
%RSD	.5104	.5619	3.304	.4654	.2567	4.013	3.929	.6442	.2793
#1	.0640	156.0	1.122	11.88	.6825	.0079	.2034	.0368	.0980
#2	.0638	156.4	1.194	11.94	.6839	.0085	.1890	.0363	.0978
#3	.0644	154.7	1.136	11.83	.6804	.0084	.1917	.0364	.0983
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.002	.0017	1.036	.0186	.0561	1.145	-0.067	.3547	.2472
Stddev	.0025	.0017	.003	.0004	.0005	.004	.0004	.0009	.0001
%RSD	1307.	99.48	.2636	2.115	.9148	.3210	5.368	.2660	.0353
#1	-.0030	.0035	1.040	.0187	.0564	1.147	-.0067	.3548	.2473
#2	.0009	.0001	1.035	.0181	.0564	1.147	-.0063	.3556	.2472
#3	.0016	.0015	1.035	.0189	.0555	1.141	-.0071	.3537	.2472
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2368.9	5446.0	42792.	3908.2					
Stddev	5.9	14.3	227.	34.5					
%RSD	.25076	.26278	.53051	.88180					
#1	2363.5	5436.3	42753.	3885.8					
#2	2367.9	5439.3	42587.	3890.9					
#3	2375.2	5462.5	43036.	3947.9					

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Sample Name: MP30043-SD1 Acquired: 2/29/2016 15:42:35 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.023	339.4	.0457	.2239	.0019	67.01	-0.025	.0122	.2732
Stddev	.0021	1.2	.0008	.0032	.0002	.16	.0004	.0001	.0007
%RSD	90.65	.3429	1.781	1.431	9.004	.2315	17.81	.7632	.2661
#1	-.0002	338.7	.0448	.2203	.0019	66.84	-.0021	.0122	.2725
#2	-.0024	340.7	.0460	.2251	.0017	67.05	-.0023	.0122	.2739
#3	-.0044	338.7	.0464	.2263	.0020	67.14	-.0030	.0123	.2732
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0808	203.1	1.944	8.812	.9959	.0076	.9682	.0448	.1181
Stddev	.0006	.6	.049	.043	.0010	.0005	.0584	.0008	.0017
%RSD	.6857	.2905	2.541	.4863	.1042	6.657	6.033	1.880	1.412
#1	.0802	202.4	1.905	8.858	.9960	.0079	.9560	.0458	.1197
#2	.0812	203.5	1.999	8.804	.9948	.0079	.9168	.0443	.1164
#3	.0811	203.2	1.927	8.774	.9968	.0070	1.032	.0443	.1184
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.019	-0.006	1.179	.0233	.0555	1.444	-0.094	.4499	.3974
Stddev	.0027	.0127	.005	.0009	.0006	.001	.0011	.0012	.0016
%RSD	144.0	2209.	.3882	4.002	1.166	.0746	11.53	.2747	.4015
#1	.0008	.0131	1.174	.0244	.0551	1.445	-.0086	.4511	.3961
#2	-.0046	-.0030	1.180	.0226	.0563	1.444	-.0107	.4500	.3970
#3	-.0019	-.0118	1.183	.0229	.0551	1.443	-.0090	.4486	.3992
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2536.3	5017.4	39917.	3542.5					
Stddev	6.3	4.7	76.	14.1					
%RSD	.24841	.09312	.19053	.39845					
#1	2538.5	5022.8	39915.	3557.0					
#2	2541.1	5014.9	39994.	3528.8					
#3	2529.1	5014.5	39842.	3541.8					

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Sample Name: MP30043-PS1 Acquired: 2/29/2016 15:46:58 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0412	284.3	1.281	.4139	.0459	59.02	.0400	.0518	.2615
Stddev	.0002	.6	.0017	.0006	.0001	.15	.0000	.0001	.0010
%RSD	.3720	.1979	1.350	.1449	.1709	.2517	.1092	.2189	.3890
#1	.0413	284.8	1.279	.4146	.0460	59.19	.0400	.0517	.2622
#2	.0413	283.7	1.300	.4134	.0458	58.95	.0399	.0518	.2620
#3	.0410	284.2	1.265	.4138	.0458	58.91	.0400	.0519	.2603
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1586	164.2	9.792	11.43	.8354	.0929	8.955	.1174	.1569
Stddev	.0010	.4	.019	.05	.0071	.0002	.025	.0003	.0009
%RSD	.6373	.2178	.1911	.4341	.8461	.1783	2.751	.2286	.5637
#1	.1580	164.6	9.814	11.46	.8375	.0928	8.973	.1171	.1568
#2	.1598	163.9	9.778	11.46	.8412	.0929	8.927	.1176	.1578
#3	.1581	164.1	9.785	11.37	.8275	.0931	8.964	.1175	.1560
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0855	.0831	.9444	.0565	.0872	1.250	.0821	.4027	.4849
Stddev	.0007	.0026	.0019	.0002	.0003	.007	.0023	.0019	.0007
%RSD	.7687	3.126	.1970	.2988	.3413	.5959	2.829	.4743	.1405
#1	.0854	.0803	.9460	.0566	.0875	1.252	.0841	.4040	.4848
#2	.0861	.0854	.9424	.0563	.0871	1.257	.0826	.4036	.4856
#3	.0848	.0837	.9449	.0565	.0870	1.242	.0796	.4005	.4843
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2364.7	5574.4	43665.	3899.8					
Stddev	7.1	7.7	260.	14.2					
%RSD	.30178	.13752	.59566	.36467					
#1	2357.6	5568.3	43438.	3884.5					
#2	2364.6	5583.0	43609.	3902.4					
#3	2371.9	5571.9	43949.	3912.6					

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Sample Name: MP30043-S1 Acquired: 2/29/2016 15:51:15 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0422	300.2	1.686	2.090	.0483	48.56	.0417	.4479	.3680
Stddev	.0004	1.8	.002	.010	.0003	.22	.0002	.0008	.0010
%RSD	.9450	.5855	.1298	.4674	.5234	.4603	.4402	.1696	.2724
#1	.0419	299.8	1.688	2.093	.0481	48.54	.0418	.4487	.3669
#2	.0421	302.1	1.686	2.098	.0485	48.78	.0415	.4479	.3689
#3	.0427	298.7	1.683	2.079	.0482	48.34	.0418	.4472	.3683
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3057	171.6	24.23	25.67	.9999	.4142	23.74	.4660	.5621
Stddev	.0008	1.0	.13	.13	.0013	.0009	.12	.0002	.0010
%RSD	.2504	.5623	.5559	.5130	.1306	.			

Sample Name: CCV Acquired: 2/29/2016 15:55:27 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2583	42.63	2.103	2.175	2.082	40.91	2.156	F 2.207	2.076
Stddev	.0011	.12	.005	.008	.004	.03	.001	.001	.002
%RSD	.4315	.2780	.2427	.3498	.2136	.0745	.0646	.0231	.0861
#1	.2595	42.72	2.102	2.182	2.085	40.88	2.156	2.208	2.074
#2	.2573	42.66	2.098	2.176	2.085	40.90	2.157	2.207	2.075
#3	.2580	42.49	2.108	2.167	2.077	40.94	2.154	2.207	2.078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value								2.000	
Range								10.00%	

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.107	42.26	41.28	40.42	2.040	2.185	41.55	2.131	2.018
Stddev	.007	.11	.14	.07	.002	.001	.06	.001	.005
%RSD	.3147	.2491	.3282	.1783	.1078	.0568	.1552	.0289	.2615
#1	2.114	42.38	41.44	40.34	2.038	2.184	41.63	2.131	2.016
#2	2.102	42.24	41.20	40.43	2.040	2.184	41.52	2.130	2.013
#3	2.103	42.17	41.21	40.48	2.043	2.186	41.51	2.132	2.023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.120	2.157	1.774	2.072	2.050	2.033	2.033	1.994	2.084
Stddev	.006	.004	.004	.001	.006	.001	.008	.003	.002
%RSD	.2725	.1806	.2519	.0557	.2803	.0672	.3925	.1428	.0998
#1	2.114	2.153	1.769	2.072	2.056	2.034	2.029	1.995	2.084
#2	2.126	2.161	1.775	2.071	2.049	2.032	2.028	1.991	2.086
#3	2.119	2.157	1.777	2.073	2.044	2.032	2.042	1.997	2.082
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Sample Name: CCB Acquired: 2/29/2016 15:59:38 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0053	-0.0006	-0.0003	.0002	.0022	.0000	.0001	.0000
Stddev	.000	.0060	.0005	.0003	.0000	.0018	.0000	.0000	.0002
%RSD	1100.	114.5	78.88	102.4	25.68	84.76	81.50	56.55	380.7
#1	-.0001	-.0013	-.0010	-.0001	.0002	.0028	.0001	.0001	.0002
#2	-.0004	.0105	-.0007	-.0007	.0001	.0001	.0000	.0000	.0000
#3	.0004	.0066	-.0001	-.0001	.0002	.0035	.0000	.0000	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0006	.0142	.0146	-0.0025	.0001	.0008	.0266	.0000	.0001
Stddev	.0002	.0032	.0148	.0188	.0000	.0002	.0075	.000	.0003
%RSD	35.89	22.36	101.6	740.7	41.03	23.31	28.18	202.8	224.1
#1	-.0004	.0114	.0057	.0030	.0001	.0010	.0191	.0000	.0003
#2	-.0008	.0177	.0317	.0128	.0001	.0008	.0341	.0000	.0004
#3	-.0007	.0137	.0063	-.0235	.0001	.0006	.0267	.0000	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	-0.0001	.0008	.0004	.0001	.0002	-0.0003	.0001	-0.0002
Stddev	.0002	.0014	.0004	.0002	.0001	.0001	.0007	.0001	.0000
%RSD	33.79	1363.	51.48	48.94	100.3	29.18	241.6	57.10	7.954
#1	.0005	.0015	.0012	.0002	.0003	.0003	-.0008	.0001	-.0001
#2	.0010	-.0011	.0008	.0004	.0001	.0002	.0005	.0002	-.0002
#3	.0006	-.0008	.0004	.0006	.0001	.0002	-.0005	.0001	-.0002
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Sample Name: CCV Acquired: 2/29/2016 15:55:27 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2261.8	4557.9	36959.	3347.4
Stddev	5.7	8.3	25.	3.9
%RSD	.25112	.18311	.06656	.11717
#1	2266.3	4563.9	36983.	3344.3
#2	2263.8	4561.3	36960.	3351.9
#3	2255.4	4548.4	36933.	3346.1

Sample Name: CCB Acquired: 2/29/2016 15:59:38 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2704.2	4798.2	38786.	3331.0
Stddev	1.7	15.4	223.	21.3
%RSD	.06151	.32169	.57548	.63803
#1	2702.3	4796.0	38576.	3341.4
#2	2705.2	4814.6	38761.	3306.5
#3	2705.1	4783.9	39021.	3345.0

Sample Name: MP30043-S2 Acquired: 2/29/2016 16:04:11 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Aq3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0423	369.0	1.658	2.106	.0487	46.51	.0403	.4427	.5214
Stddev	.0008	.7	.009	.006	.0002	.08	.0002	.0013	.0016
%RSD	1.962	.1894	.5669	.2795	.4995	.1793	.4812	.2886	.3031
#1	.0432	368.3	1.669	2.100	.0484	46.42	.0405	.4442	.5198
#2	.0416	369.0	1.653	2.108	.0489	46.55	.0403	.4419	.5213
#3	.0422	369.7	1.653	2.111	.0487	46.58	.0401	.4421	.5230
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3222	222.8	24.29	26.22	1.177	.4051	23.52	.4662	.5678
Stddev	.0004	.2	.08	.09	.004	.0014	.05	.0013	.0008
%RSD	.1145	.0759	.3226	.3372	.3438	.3389	.2050	.2895	.1453
#1	.3218	222.7	24.22	26.18	1.175	.4066	23.47	.4677	.5684
#2	.3223	222.8	24.29	26.32	1.176	.4049	23.57	.4652	.5682
#3	.3225	223.0	24.37	26.15	1.182	.4038	23.53	.4656	.5669
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1079	1.641	1.315	.4145	.4772	1.532	1.798	.8384	.6417
Stddev	.0016	.006	.005	.0014	.0010	.002	.003	.0015	.0015
%RSD	1.477	.3680	.3543	.3341	.2058	.1560	.1565	.1775	.2391
#1	.1095	1.647	1.321	.4161	.4761	1.533	1.801	.8373	.6435
#2	.1080	1.635	1.313	.4134	.4776	1.529	1.799	.8378	.6409
#3	.1063	1.639	1.312	.4139	.4780	1.534	1.795	.8401	.6407
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2282.1	5429.1	41738.	3777.9					
Stddev	6.8	22.1	110.	6.5					
%RSD	.29771	.40714	.26301	.17086					
#1	2274.3	5403.9	41828.	3781.8					
#2	2285.1	5438.5	41770.	3781.4					
#3	2286.9	5444.9	41616.	3770.4					

Sample Name: CRIA Acquired: 2/29/2016 16:08:25 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Aq3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0089	.2646	.0099	.2229	.0052	1.065	.0056	.0589	.0108
Stddev	.0004	.0014	.0001	.0012	.0002	.003	.0001	.0002	.0003
%RSD	4.388	.5275	.7912	.5533	3.064	.3148	.9372	.4084	2.345
#1	.0087	.2630	.0099	.2215	.0053	1.064	.0056	.0588	.0106
#2	.0088	.2651	.0098	.2238	.0050	1.063	.0057	.0588	.0108
#3	.0094	.2657	.0100	.2235	.0053	1.069	.0056	.0592	.0111
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0271	.3779	10.50	5.209	.0163	.0554	10.66	.0455	.0053
Stddev	.0003	.0043	.02	.018	.0001	.0002	.05	.0001	.0008
%RSD	1.180	1.146	.2275	.3402	.4862	.3321	.4694	.1165	14.23
#1	.0267	.3799	10.47	5.192	.0164	.0553	10.62	.0455	.0054
#2	.0272	.3809	10.52	5.227	.0162	.0554	10.66	.0455	.0060
#3	.0273	.3730	10.50	5.208	.0164	.0556	10.72	.0454	.0045
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0063	.0114	.0450	.0553	.0102	.0102	.0104	.0487	.0220
Stddev	.0005	.0004	.0002	.0003	.0001	.0001	.0007	.0002	.0001
%RSD	7.206	3.116	4.570	5.286	.5934	.9024	7.150	.4548	.5605
#1	.0059	.0111	.0452	.0550	.0102	.0103	.0097	.0484	.0220
#2	.0068	.0113	.0450	.0556	.0102	.0102	.0112	.0487	.0219
#3	.0062	.0118	.0448	.0554	.0103	.0102	.0103	.0489	.0222
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2573.0	4693.3	38245.	3382.6					
Stddev	10.9	17.0	223.	9.5					
%RSD	.42244	.36233	.58263	.28143					
#1	2585.5	4712.9	38085.	3389.8					
#2	2566.3	4684.6	38499.	3371.8					
#3	2567.2	4682.5	38150.	3386.3					

Sample Name: ICSA Acquired: 2/29/2016 16:12:52 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Aq3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.0008	F 530.2	-0.0010	-0.0003	.0000	482.5	-0.0014	-0.0004
Stddev	.0004	2.2	.0010	.0004	.000	3.6	.0002	.0002
%RSD	48.35	4.219	99.82	155.4	27.56	.7456	11.61	44.36
#1	-0.0006	532.5	-0.0001	-0.0005	-0.0001	480.3	-0.0012	-0.0002
#2	-0.0012	530.1	-0.0014	-0.0002	.0000	486.7	-0.0016	-0.0006
#3	-0.0005	528.0	-0.0018	-0.0005	-0.0001	480.5	-0.0015	-0.0005
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.0008	.0006	196.6	.0454	F 513.4	-0.0004	-0.0005	.1588
Stddev	.0002	.0002	.3	.0253	1.8	.0001	.0003	.0092
%RSD	31.25	36.31	.1329	55.80	.3494	11.86	51.59	5.796
#1	.0007	.0004	196.5	.0311	512.6	-0.0005	-0.0004	.1482
#2	.0005	.0007	196.4	.0746	512.2	-0.0004	-0.0003	.1634
#3	.0010	.0008	196.9	.0304	515.5	-0.0004	-0.0008	.1648
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.0003	F -.0052	.0037	-0.0002	.0204	.0014	.0001	-0.0002
Stddev	.0000	.0012	.0014	.0057	.0006	.0003	.0001	.0001
%RSD	8.657	22.67	36.93	2868.	3.123	17.43	164.2	85.02
#1	.0003	-.0065	.0036	-.0028	.0206	.0012	.0002	-0.0002
#2	.0003	-.0043	.0050	-.0041	.0197	.0017	.0001	.0000
#3	.0004	-.0047	.0023	.0063	.0209	.0015	-0.0001	-0.0002
Elem	Tl1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	.0016	.0006	-0.0034					
Stddev	.0019	.0002	.0001					
%RSD	114.3	41.20	3.134					
#1	-.0005	.0003	-.0035					
#2	.0024	.0007	-.0033					
#3	.0029	.0008	-.0033					

Sample Name: ICSA Acquired: 2/29/2016 16:12:52 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1991.6	4164.2	33194.	3145.4
Stddev	3.9	7.9	120.	10.8
%RSD	.19503	.19078	.36112	.34486
#1	1988.8	4157.0	33257.	3156.8
#2	1996.0	4172.7	33270.	3144.1
#3	1990.0	4163.0	33056.	3135.2

Sample Name: ICSAB Acquired: 2/29/2016 16:17:30 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F 1.098	F 537.5	1.100	.5967	.5685	485.4	1.042	.5408	.5297
Stddev	.004	5.0	.002	.0022	.0015	2.0	.002	.0011	.0024
%RSD	.3374	.9385	.2098	.3625	.2708	.4194	.1855	.1948	.4564
#1	1.101	542.7	1.100	.5953	.5668	487.7	1.044	.5419	.5283
#2	1.094	532.6	1.102	.5956	.5688	484.1	1.041	.5399	.5282
#3	1.097	537.1	1.097	.5991	.5699	484.4	1.040	.5404	.5324
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.6121	195.8	.0043	F 514.3	.5403	1.025	.1650	1.028	.9948
Stddev	.0013	.2	.0566	.8	.0010	.001	.0012	.003	.0091
%RSD	.2144	.0814	.1317	.1558	.1933	.1264	.7318	.3086	.9110
#1	.6136	195.7	-.0561	514.3	.5410	1.027	.1641	1.031	1.004
#2	.6114	195.7	.0129	513.4	.5391	1.025	.1644	1.027	.9937
#3	.6112	196.0	.0561	515.0	.5408	1.024	.1663	1.025	.9863
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	1.045	1.047	.0780	.9318	1.026	.9945	.9347	4.875	1.025
Stddev	.002	.009	.0009	.0044	.005	.0023	.0067	.0011	.004
%RSD	.1676	.8092	1.138	.4743	.4723	.2272	.7132	.2229	.3935
#1	1.047	1.047	.0781	.9368	1.021	.9966	.9422	4.867	1.029
#2	1.043	1.056	.0788	.9301	1.026	.9921	.9324	4.870	1.025
#3	1.046	1.039	.0770	.9285	1.030	.9948	.9295	4.888	1.021
Int. Std.	ln2306	Y_2243	Y_3600	Y_3710					
Avg	1970.2	4172.1	33019.	3046.2					
Stddev	5.8	3.6	132.	9.5					
%RSD	.29489	.08618	.39850	.31241					
#1	1964.0	4169.9	33011.	3038.9					
#2	1971.1	4170.3	33155.	3057.0					
#3	1975.5	4176.3	32892.	3042.8					

Sample Name: ALSIC Acquired: 2/29/2016 16:22:00 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	F .0080	F -.0002	F -.0039
Stddev	.0014	.0002	.0002
%RSD	16.98	78.92	4.026
#1	.0074	-.0004	-.0040
#2	.0070	-.0001	-.0037
#3	.0095	-.0001	-.0040
Check ?	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	2.000
Range	-10.00%	-10.00%	-10.00%
Int. Std.	ln2306	Y_2243	Y_3600
Units	Cts/S	Cts/S	Cts/S
Avg	2343.2	4845.2	36232.
Stddev	21.9	52.5	88.
%RSD	.93344	1.0830	.24203
#1	2336.6	4821.9	36156.
#2	2367.6	4905.3	36328.
#3	2325.4	4808.4	36211.

Sample Name: ALSIC Acquired: 2/29/2016 16:22:00 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0003	F 531.5	F .0013	F -.0003	F .0001	F .1633	F .0001	F -.0002
Stddev	.0003	8.1	.0014	.0004	.0001	.0068	.0001	.0001
%RSD	119.5	1.532	103.0	148.0	111.8	4.166	123.1	64.06
#1	.0001	535.9	-.0002	-.0007	.0001	.1710	.0002	-.0001
#2	-.0003	522.1	.0018	-.0003	.0001	.1609	.0002	-.0001
#3	-.0005	536.4	.0023	.0002	.0000	.1581	.0000	-.0003
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2500	40.00	2.000	2.000	2.000	40.00	2.000	2.000
Range	-10.00%	10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0005	F .0002	F .0822	F .0138	F .0528	F .0000	F .0000	F .1180
Stddev	.0001	.0001	.0043	.0170	.0177	.000	.002	.0098
%RSD	10.19	91.28	5.239	123.5	33.57	760.9	1334.	8.349
#1	-.0006	.0000	.0872	.0093	.0570	.0000	.0003	.1198
#2	-.0005	.0002	.0791	-.0005	.0681	.0000	-.0001	.1268
#3	-.0005	.0003	.0804	.0326	.0334	.0000	-.0002	.1073
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	40.00	40.00	40.00	2.000	2.000	40.00
Range	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0003	F -.0047	F .0000	F -.0033	.0304	F .0004	F .0001	F .0005
Stddev	.0001	.0035	.0006	.0040	.0005	.0004	.0001	.0001
%RSD	31.51	74.73	282.7	120.7	1.616	87.35	96.33	22.52
#1	-.0003	-.0075	-.0002	.0008	.0307	.0007	.0002	.0005
#2	-.0002	-.0008	.0007	-.0071	.0307	.0000	.0002	.0006
#3	-.0004	-.0059	-.0004	-.0036	.0298	.0006	.0000	.0004
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	2.000	2.000		2.000	2.000	2.000
Range	-10.00%	-10.00%	-10.00%	-10.00%		-10.00%	-10.00%	-10.00%

Sample Name: CASIC Acquired: 2/29/2016 16:26:34 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0006	F .1045	F -.0013	F .0005	F -.0001	F 486.4	F .0001	F .0000
Stddev	.0003	.0079	.0004	.0001	.0000	2.5	.0000	.0000
%RSD	54.26	7.602	31.58	15.33	64.06	.5185	52.66	244.6
#1	-.0006	.1134	-.0009	.0005	-.0001	486.1	.0001	.0000
#2	-.0009	.0981	-.0014	.0005	-.0001	484.0	.0001	.0000
#3	-.0002	.1020	-.0018	.0004	.0000	489.0	.0001	.0000
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2500	40.00	2.000	2.000	2.000	40.00	2.000	2.000
Range	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	10.00%	-10.00%	-10.00%
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0004	F -.0006	F .0282	F .0253	F .0287	F .0002	F -.0001	F .0400
Stddev	.0002	.0001	.0021	.0253	.0056	.0000	.0001	.0122
%RSD	57.57	14.71	7.418	100.0	19.41	12.21	141.2	30.66
#1	-.0003	-.0005	.0299	.0349	.0322	.0002	-.0001	.0470
#2	-.0002	-.0007	.0259	.0444	.0223	.0002	-.0002	.0258
#3	-.0006	-.0006	.0288	-.0034	.0316	.0002	.0000	.0470
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	40.00	40.00	40.00	2.000	2.000	40.00
Range	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0002	F -.0004	F -.0016	F -.0024	.0069	F .0000	F -.0007	F -.0004
Stddev	.0002	.0010	.0012	.0014	.0002	.0003	.0001	.0001
%RSD	60.56	218.4	74.51	61.08	2.852	2053.	8.377	32.22
#1	.0001	.0007	-.0030	-.0007	.0067	.0003	-.0006	-.0006
#2	.0003	-.0009	-.0006	-.0031	.0069	.0000	-.0007	-.0004
#3	.0004	-.0011	-.0013	-.0032	.0070	-.0003	-.0008	-.0003
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	2.000	2.000		2.000	2.000	2.000
Range	-10.00%	-10.00%	-10.00%	-10.00%		-10.00%	-10.00%	-10.00%

7.1

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Sample Name: CASIC Acquired: 2/29/2016 16:26:34 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem Units	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	F .0018	F -.0002	F -.0014
Stddev	.0015	.0001	.0001
%RSD	86.30	52.87	4.410
#1	.0031	-.0003	-.0013
#2	.0021	-.0001	-.0014
#3	.0001	-.0003	-.0014
Check ?	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	2.000
Range	-10.00%	-10.00%	-10.00%

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2239.4	4390.4	35787.7	3263.9
Stddev	5.7	10.7	119.7	17.7
%RSD	.25483	.24271	.33202	.54314
#1	2244.0	4382.6	35660.0	3278.8
#2	2241.3	4402.6	35895.0	3268.6
#3	2233.1	4386.1	35807.0	3244.3

Sample Name: FESIC Acquired: 2/29/2016 16:31:15 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm
Avg	F -.0017	F .0007	F -.0025	F -.0012	F -.0001	F .1217	F -.0013	F -.0005
Stddev	.0004	.0026	.0009	.0006	.0001	.0080	.0002	.0001
%RSD	25.40	361.8	35.59	48.18	62.62	6.604	19.57	11.09
#1	-.0020	.0034	-.0017	-.0008	-.0001	.1215	-.0015	-.0006
#2	-.0020	.0004	-.0022	-.0018	.0000	.1299	-.0013	-.0005
#3	-.0012	-.0017	-.0034	-.0009	-.0002	.1138	-.0010	-.0005
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2.000	40.00	2.000	2.000	2.000	40.00	2.000	2.000
Range	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%

Elem Units	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm
Avg	F .0021	F .0027	F 203.2	F -.0500	F -.0479	F -.0006	F -.0014	F .0377
Stddev	.0001	.0002	1.6	.0257	.0135	.0001	.0001	.0138
%RSD	6.757	7.594	.7970	51.50	28.23	12.43	3.501	36.66
#1	.0021	.0028	204.8	-.0298	-.0383	-.0006	-.0015	.0229
#2	.0019	.0029	203.3	-.0412	-.0634	-.0005	-.0014	.0398
#3	.0022	.0025	201.6	-.0789	-.0421	-.0006	-.0015	.0503
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	40.00	40.00	40.00	2.000	2.000	40.00
Range	-10.00%	-10.00%	10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%

Elem Units	Ni2316 ppm	Pb2203 ppm	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm
Avg	F .0000	F -.0041	F .0036	F .0003	.0395	F .0012	F -.0002	F -.0007
Stddev	.0002	.0005	.0008	.0004	.0002	.0003	.0000	.0001
%RSD	10510.	12.12	22.99	123.7	.4823	22.66	20.96	11.13
#1	-.0003	-.0036	.0045	-.0001	.0397	.0013	-.0002	-.0006
#2	.0001	-.0041	.0036	.0007	.0395	.0014	-.0002	-.0008
#3	.0002	-.0046	.0028	.0005	.0393	.0009	-.0001	-.0007
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	2.000	2.000		2.000	2.000	2.000
Range	-10.00%	-10.00%	-10.00%	-10.00%		-10.00%	-10.00%	-10.00%

7.1
7

Sample Name: FESIC Acquired: 2/29/2016 16:31:15 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem Units	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	F -.0094	F .0016	F .0030
Stddev	.0008	.0003	.0001
%RSD	8.818	17.66	1.921
#1	-.0101	.0014	.0030
#2	-.0095	.0014	.0030
#3	-.0085	.0019	.0029
Check ?	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	2.000
Range	-10.00%	-10.00%	-10.00%

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2609.2	4611.2	37518.8	3260.0
Stddev	7.2	11.6	199.7	24.4
%RSD	.27615	.25144	.53022	.74772
#1	2600.9	4598.4	37745.0	3232.0
#2	2613.8	4614.3	37376.0	3271.3
#3	2612.8	4621.0	37432.0	3276.6

Sample Name: MGSIC Acquired: 2/29/2016 16:35:46 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm
Avg	F .0006	F .0154	F -.0009	F -.0004	F -.0001	F .0832	F .0000	F .0001
Stddev	.0002	.0087	.0003	.0001	.0000	.0036	.0000	.0001
%RSD	38.67	56.59	37.42	31.39	84.77	4.300	146.4	73.02
#1	.0008	.0088	-.0013	-.0006	.0000	.0795	.0000	.0001
#2	.0004	.0121	-.0006	-.0005	-.0001	.0835	.0001	.0002
#3	.0007	.0253	-.0009	-.0003	.0000	.0867	.0000	.0001
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2.000	40.00	2.000	2.000	2.000	40.00	2.000	2.000
Range	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%

Elem Units	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm
Avg	F -.0002	F -.0009	F .0411	F -.0095	F 515.5	F .0003	F -.0008	F .0525
Stddev	.0001	.0002	.0045	.0281	3.0	.0000	.0001	.0030
%RSD	44.37	22.44	10.85	295.8	.5766	16.11	11.60	5.753
#1	-.0001	-.0008	.0431	.0099	512.2	.0002	-.0008	.0530
#2	-.0002	-.0012	.0441	-.0417	518.0	.0002	-.0009	.0552
#3	-.0003	-.0009	.0360	.0033	516.3	.0003	-.0007	.0492
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	40.00	40.00	40.00	2.000	2.000	40.00
Range	-10.00%	-10.00%	-10.00%	-10.00%	10.00%	-10.00%	-10.00%	-10.00%

Elem Units	Ni2316 ppm	Pb2203 ppm	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm
Avg	F .0002	F .0008	F .0009	F -.0001	.0005	F .0003	F .0000	F -.0003
Stddev	.0001	.0008	.0002	.0006	.0001	.0002	.0000	.0000
%RSD	87.33	103.5	17.49	465.2	13.05	78.33	3743.	5.865
#1	.0003	-.0001	.0010	-.0008	.0005	.0001	.0000	-.0003
#2	.0001	.0011	.0009	.0003	.0005	.0005	.0000	-.0003
#3	.0001	.0014	.0007	.0001	.0006	.0003	.0001	-.0003
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	2.000	2.000		2.000	2.000	2.000
Range	-10.00%	-10.00%	-10.00%	-10.00%		-10.00%	-10.00%	-10.00%

Sample Name: MGSIC Acquired: 2/29/2016 16:35:46 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	F -.0001	F -.0007	F .0030
Stddev	.0005	.0001	.0001
%RSD	510.1	12.32	3.097
#1	-0.007	-0.009	.0031
#2	.0003	-0.007	.0029
#3	.0001	-0.007	.0030
Check ?	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	2.000
Range	-10.00%	-10.00%	-10.00%

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2263.0	4429.6	3585.1	3274.0
Stddev	4.9	13.1	81.	35.4
%RSD	.21841	.29510	.22492	1.0804
#1	2262.6	4444.7	3591.0	3311.3
#2	2258.3	4422.3	35884.	3240.9
#3	2268.1	4421.7	35759.	3270.0

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Sample Name: CCV Acquired: 2/29/2016 16:40:17 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2555	42.61	2.075	2.159	2.073	40.40	2.129	2.183	2.043
Stddev	.0008	.08	.006	.008	.004	.03	.004	.006	.010
%RSD	.3007	.1901	.2831	.3845	.1826	.0686	.1692	.2911	.4968
#1	.2561	42.69	2.068	2.168	2.077	40.38	2.125	2.176	2.037
#2	.2557	42.53	2.078	2.151	2.072	40.40	2.132	2.188	2.038
#3	.2547	42.62	2.079	2.158	2.070	40.43	2.130	2.186	2.055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.084	42.12	40.93	40.14	2.012	2.165	41.12	2.102	1.980
Stddev	.009	.06	.11	.15	.010	.009	.11	.003	.002
%RSD	.4289	.1509	.2667	.3803	.4783	.4336	.2751	.1173	.0968
#1	2.091	42.17	40.82	39.96	2.005	2.154	41.21	2.099	1.981
#2	2.088	42.15	40.92	40.20	2.008	2.170	40.99	2.104	1.981
#3	2.074	42.05	41.04	40.25	2.023	2.171	41.16	2.101	1.978
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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7.1
7

Sample Name: CCV Acquired: 2/29/2016 16:40:17 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2285.3	4582.7	37188.	3289.6
Stddev	4.3	18.4	146.	15.8
%RSD	.18989	.40132	.39222	.48097
#1	2286.4	4600.6	37263.	3304.1
#2	2289.1	4583.7	37280.	3292.0
#3	2280.6	4563.9	37019.	3272.7

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Sample Name: CCB Acquired: 2/29/2016 16:44:29 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	.0017	-0.0005	-0.0003	.0002	.0055	.0000	.0001	.0001
Stddev	.0002	.0024	.0001	.0002	.0001	.0039	.0001	.0001	.0002
%RSD	95.25	144.9	15.65	53.84	28.36	71.39	214.1	62.62	165.0
#1	-0.0002	.0045	-0.0006	-0.0003	.0002	.0048	.0001	.0002	.0003
#2	-0.0003	.0002	-0.0006	-0.0004	.0003	.0096	.0000	.0000	.0001
#3	.0000	.0003	-0.0005	-0.0001	.0002	.0019	.0000	.0002	-0.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0008	.0116	-0.0203	.0231	.0001	.0010	.0343	.0001	-0.0002
Stddev	.0004	.0023	.0422	.0168	.0000	.0004	.0075	.0003	.0003
%RSD	45.96	19.68	207.5	72.51	75.11	42.10	22.02	469.7	123.0
#1	-0.0012	.0138	.0274	.0412	.0001	.0014	.0411	.0003	-0.0001
#2	-0.0005	.0119	-0.0359	.0202	.0001	.0009	.0355	.0000	-0.0005
#3	-0.0007	.0092	-0.0525	.0080	.0000	.0006	.0262	-0.0002	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	-0.0001	.0001	.0003	.0001	.0001	-0.0009	.0001	-0.0002
Stddev	.0012	.0018	.0005	.0001	.0000	.0001	.0008	.0001	.0000
%RSD	1910.	1713.	678.5	32.51	17.86	77.27	81.29	111.8	20.11
#1	-0.0013	.0019	-0.0005	.0004	.0001	.0002	-0.0001	.0001	-0.0002
#2	.0010	-0.0016	.0005	.0002	.0001	.0001	-0.0017	.0003	-0.0002
#3	.0001	-0.0006	.0002	.0002	.0002	.0000	-0.0010	.0000	-0.0001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 2/29/2016 16:44:29 Type: QC
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2721.5	4791.6	38714.	3279.0
Stddev	3.6	5.9	287.	22.4
%RSD	.13100	.12297	.74110	.68264
#1	2721.5	4785.0	38425.	3253.4
#2	2718.0	4793.1	38719.	3288.8
#3	2725.1	4796.5	38999.	3294.8

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000010	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000078	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000003	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000100	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000001	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000015	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000127	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000003	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000041	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000187	0.000000	No
			Fe	0.000044	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000019	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	-0.000058	0.000000	No
			Ca	0.000002	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000029	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	0.000049	0.000000	No
			Al	-0.000020	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000006	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.000163	0.611410	0.000000	1.000000
Al 396.152 { 85}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.000739	0.216220	0.000000	1.000000
As 189.042 {478}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.000628	0.202305	0.000000	1.000000
Ba 455.403 { 74}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.006091	8.635491	0.000000	1.000000
Be 313.042 {108}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.000486	12.236808	0.000000	1.000000
Ca 317.933 {106}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.003092	0.277165	0.000000	1.000000
Cd 226.502 {449}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.001176	5.035032	0.000000	1.000000
Co 228.616 {447}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.000708	2.681318	0.000000	1.000000
Cr 267.716 {126}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.000141	0.576483	0.000000	1.000000
Cu 324.754 {104}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.007161	0.923758	0.000000	1.000000
Fe 259.940 {130}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.002030	0.185435	0.000000	1.000000
In 230.606 {446}*	2/29/2016 10:58:12	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.003185	0.111070	0.000000	1.000000
Mg 279.079 {121}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.000384	0.027894	0.000000	1.000000
Mn 257.610 {131}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.000885	3.246764	0.000000	1.000000
Mo 202.030 {467}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.001386	1.169087	0.000000	1.000000
Na 589.592 { 57}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.017810	0.436573	0.000000	1.000000
Ni 231.604 {445}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.000165	1.679235	0.000000	1.000000
Pb 220.353 {453}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.000338	0.920125	0.000000	1.000000
Sb 206.833 {463}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.000649	0.281114	0.000000	1.000000
Se 196.090 {472}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.000683	0.142401	0.000000	1.000000
Si 212.412 {459}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.007650	0.477119	0.000000	1.000000
Sn 189.989 {477}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.000245	0.419534	0.000000	1.000000
Sr 407.771 { 83}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.002307	17.162483	0.000000	1.000000
Ti 334.941 {101}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.002487	2.262276	0.000000	1.000000
Tl 190.856 {477}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.001135	0.319630	0.000000	1.000000
V 292.402 {115}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.000779	0.809325	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.001483	2.715607	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999954	0.000056	0.000365	0.001217	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999738	0.007996	0.009129	0.030432	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999936	0.000184	0.000744	0.002479	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999947	0.007132	0.000289	0.000962	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999913	0.013005	0.000066	0.000221	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999818	0.008523	0.003352	0.011172	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999897	0.005844	0.000047	0.000156	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999924	0.002662	0.000098	0.000327	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999738	0.001063	0.000245	0.000815	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999981	0.000459	0.000226	0.000755	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999075	0.012858	0.002612	0.008706	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999676	0.004558	0.031351	0.104505	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999800	0.000900	0.022136	0.073786	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999394	0.009109	0.000039	0.000129	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999985	0.000518	0.000131	0.000438	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999702	0.017163	0.008287	0.027623	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999902	0.001895	0.000159	0.000530	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999876	0.001170	0.000543	0.001811	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999978	0.000148	0.000866	0.002887	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999969	0.000090	0.001565	0.005216	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.991248	0.005118	0.000351	0.001169	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999884	0.000515	0.000304	0.001013	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999954	0.013235	0.000092	0.000306	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999682	0.004595	0.000095	0.000316	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999973	0.000189	0.000898	0.002992	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999943	0.000686	0.000222	0.000740	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999850	0.003789	0.000065	0.000218	OK	1.000000	0.000000	1	0

Sample Name: Blank Acquired: 3/22/2016 9:30:38 Type: Cal
Method: 60102007_042011(v18) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	.0008	-0.0008	.0000	-0.0007	.0023	-0.0013	-0.0006	-0.0002
Stddev	.0002	.0014	.0001	.002	.0003	.0004	.0003	.0001	.0001
%RSD	172.9	163.8	14.49	13580.	36.70	15.45	22.60	19.36	45.85
#1	-0.001	-0.002	-0.007	-0.027	-0.008	.0020	-0.010	-0.007	-0.001
#2	.0003	.0004	-0.008	.0016	-0.009	.0022	-0.012	-0.005	-0.003
#3	.0002	.0024	-0.009	.0011	-0.004	.0027	-0.016	-0.007	-0.003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0083	.0008	-0.0022	-0.0004	.0004	.0006	.0017	-0.0001	.0002
Stddev	.0000	.0002	.0001	.0003	.0001	.0001	.0026	.0001	.0004
%RSD	.4270	26.55	4.922	62.31	15.88	9.545	149.6	38.21	209.7
#1	.0082	.0006	-0.0023	-0.0005	.0004	.0006	.0044	-0.001	-0.002
#2	.0083	.0010	-0.0022	-0.001	.0005	.0006	-0.007	-0.001	.0002
#3	.0083	.0009	-0.0021	-0.007	.0003	.0007	.0015	-0.002	.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0004	-0.0007	.0068	-0.0002	-0.0009	.0010	-0.0013	-0.0007	.0010
Stddev	.0001	.0001	.0001	.0001	.0009	.0001	.0002	.0001	.0000
%RSD	14.52	9.336	1.992	53.26	92.97	10.76	14.63	19.22	4.466
#1	.0004	-0.0006	.0068	.0003	-0.0008	.0010	-0.0013	-0.0006	.0011
#2	.0004	-0.0008	.0066	.0002	-0.0001	.0009	-0.0011	-0.0009	.0010
#3	.0005	-0.0007	.0069	.0001	-0.0018	.0011	-0.0015	-0.0007	.0010
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2626.4	5040.6	40720.	4406.3					
Stddev	3.2	13.5	100.	55.0					
%RSD	.12088	.26725	.24596	1.2483					
#1	2624.2	5039.1	40714.	4351.2					
#2	2625.0	5027.9	40823.	4406.5					
#3	2630.0	5054.8	40623.	4461.2					

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Sample Name: LowStd Acquired: 3/22/2016 9:35:52 Type: Cal
Method: 60102007_042011(v18) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0361	2.269	.0933	4.230	6.017	2.852	2.441	1.293	.2786
Stddev	.0002	.004	.0002	.010	.030	.004	.001	.001	.0003
%RSD	.6907	.1537	.1662	.2335	.5027	.1345	.0483	.0436	.1038
#1	.0363	2.266	.0934	4.242	6.052	2.848	2.440	1.293	.2788
#2	.0358	2.273	.0934	4.224	5.999	2.854	2.442	1.292	.2788
#3	.0360	2.268	.0931	4.225	6.000	2.856	2.441	1.293	.2783
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4741	1.887	1.102	.2717	1.389	.5406	4.586	.8563	.4398
Stddev	.0006	.002	.003	.0020	.001	.0005	.016	.0013	.0016
%RSD	.1219	.0790	.2490	.7229	.0465	.0996	.3568	.1538	.3673
#1	.4745	1.887	1.105	.2699	1.389	.5401	4.601	.8551	.4402
#2	.4744	1.885	1.099	.2738	1.388	.5404	4.569	.8561	.4411
#3	.4735	1.887	1.103	.2715	1.390	.5412	4.588	.8577	.4380
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1373	.0641	.2075	.2089	9.034	1.173	.1540	.4068	1.251
Stddev	.0003	.0001	.0011	.0004	.041	.001	.0005	.0009	.003
%RSD	.2537	.2047	.5462	.1972	.4497	.1192	.2960	.2148	.2448
#1	.1375	.0640	.2070	.2085	9.063	1.172	.1534	.4075	1.251
#2	.1369	.0640	.2067	.2091	9.051	1.175	.1541	.4058	1.255
#3	.1375	.0642	.2088	.2092	8.987	1.173	.1543	.4071	1.248
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2400.9	4869.0	38998.	4290.8					
Stddev	2.7	3.8	49.	18.9					
%RSD	.11082	.07854	.12535	.44005					
#1	2398.7	4868.1	39018.	4312.1					
#2	2400.3	4873.2	38942.	4284.4					
#3	2403.9	4865.7	39034.	4276.0					

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7.2
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Sample Name: MidStd Acquired: 3/22/2016 9:39:06 Type: Cal
Method: 60102007_042011(v18) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1503	8.751	3.882	17.46	24.66	10.89	9.870	5.207	1.135
Stddev	.0004	.025	.0003	.06	.06	.02	.023	.009	.001
%RSD	.2566	.2887	.0661	.3277	.2263	.1516	.2287	.1761	.1061
#1	.1503	8.733	3.882	17.42	24.60	10.88	9.851	5.200	1.134
#2	.1507	8.780	3.884	17.52	24.68	10.89	9.864	5.204	1.134
#3	.1499	8.741	3.879	17.43	24.71	10.91	9.895	5.218	1.136
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.915	6.861	4.257	1.054	5.632	2.211	17.65	3.425	1.843
Stddev	.006	.015	.010	.001	.006	.007	.04	.004	.005
%RSD	.3184	.2169	.2416	.0985	.1026	.3068	.2542	.1051	.2792
#1	1.908	6.844	4.255	1.053	5.639	2.203	17.60	3.425	1.840
#2	1.920	6.871	4.268	1.054	5.631	2.214	17.66	3.421	1.840
#3	1.916	6.869	4.248	1.055	5.627	2.216	17.68	3.428	1.849
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.5661	.2649	.9840	.8442	37.15	4.856	6.396	1.678	5.062
Stddev	.0003	.0006	.0003	.0011	.13	.009	.0005	.004	.015
%RSD	.0449	.2148	.0320	.1361	.3419	.1842	.0764	.2571	.2899
#1	.5663	.2642	.9837	.8433	37.01	4.849	6.391	1.678	5.067
#2	.5662	.2653	.9843	.8439	37.20	4.866	6.398	1.683	5.045
#3	.5658	.2652	.9840	.8455	37.25	4.852	6.400	1.674	5.073
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2156.1	4625.9	36848.	4116.5					
Stddev	3.0	7.3	59.	16.6					
%RSD	.13915	.15719	.16101	.40368					
#1	2159.5	4634.2	36825.	4126.6					
#2	2154.2	4622.8	36803.	4097.3					
#3	2154.5	4620.6	36915.	4125.6					

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Sample Name: HighStd Acquired: 3/22/2016 9:42:40 Type: Cal
Method: 60102007_042011(v18) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2882	17.10	.7730	34.59	48.34	21.19	19.10	10.12	2.173
Stddev	.0007	.03	.0007	.15	.13	.08	.01	.01	.010
%RSD	.2515	.1685	.0918	.4427	.2659	.3805	.0764	.0986	.4694
#1	.2883	17.13	.7733	34.75	48.48	21.26	19.11	10.13	2.161
#2	.2889	17.08	.7721	34.45	48.24	21.20	19.09	10.11	2.177
#3	.2875	17.08	.7734	34.58	48.29	21.10	19.08	10.13	2.181
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.756	13.77	8.332	2.058	10.62	4.340	34.61	6.621	3.707
Stddev	.021	.04	.026	.010	.02	.005	.12	.006	.007
%RSD	.5697	.2617	.3092	.5032	.2199	.1260	.3332	.0973	.1878
#1	3.781	13.81	8.343	2.065	10.64	4.342	34.73	6.628	3.714
#2	3.748	13.77	8.303	2.064	10.64	4.334	34.50	6.619	3.707
#3	3.741	13.74	8.351	2.046	10.59	4.344	34.61	6.616	3.700
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.122	.5259	1.378	1.626	72.30	9.336	1.269	3.271	9.760
Stddev	.002	.0017	.002	.002	1.25				

Sample Name: HSTD Acquired: 3/22/2016 9:46:45 Type: QC
 Method: 60102007_042011(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4924	78.14	3.987	3.973	3.921	77.68	3.925	3.939	3.893
Stddev	.0008	.16	.010	.016	.014	.10	.011	.011	.013
%RSD	.1580	.2075	.2578	.3910	.3530	.1276	.2846	.2840	.3413

#1	.4933	78.23	3.983	3.973	3.933	77.77	3.920	3.932	3.908
#2	.4919	77.95	3.978	3.957	3.906	77.57	3.918	3.934	3.891
#3	.4919	78.24	3.998	3.989	3.924	77.70	3.938	3.952	3.881

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.944	78.47	78.29	77.51	3.882	3.961	78.28	3.920	3.968
Stddev	.022	.15	.16	.30	.011	.012	.29	.011	.012
%RSD	.5610	.1855	.1987	.3812	.2739	.2908	.3742	.2810	.2988

#1	3.919	78.63	78.46	77.82	3.874	3.951	78.43	3.915	3.967
#2	3.949	78.34	78.16	77.47	3.894	3.957	77.94	3.913	3.956
#3	3.963	78.45	78.24	77.24	3.876	3.974	78.46	3.933	3.980

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.988	3.999	3.489	3.903	3.949	3.903	3.948	3.929	3.896
Stddev	.013	.012	.013	.012	.039	.012	.007	.017	.017
%RSD	.3141	.2926	.3771	.2987	.9781	.3036	.1893	.4381	.4422

#1	3.974	3.990	3.475	3.899	3.983	3.900	3.943	3.949	3.895
#2	3.993	3.995	3.490	3.895	3.957	3.915	3.945	3.924	3.879
#3	3.998	4.012	3.501	3.917	3.907	3.892	3.957	3.916	3.913

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 3/22/2016 9:46:45 Type: QC
 Method: 60102007_042011(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2018.2	4514.0	3680.3	4171.9
Stddev	4.2	13.6	99.	10.4
%RSD	.20883	.30149	.26952	.24968

#1	2022.4	4525.2	36695.	4165.1
#2	2018.1	4517.9	36821.	4166.8
#3	2014.0	4498.8	36891.	4183.9

Sample Name: ICV Acquired: 3/22/2016 9:52:45 Type: QC
 Method: 60102007_042011(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2461	41.10	1.995	2.066	2.027	42.36	2.022	2.027	2.001
Stddev	.0003	.07	.003	.007	.006	.05	.001	.001	.004
%RSD	.1361	.1713	.1687	.3366	.3226	.1214	.0694	.0606	.2063

#1	.2464	41.04	1.997	2.066	2.027	42.32	2.021	2.027	1.997
#2	.2457	41.07	1.991	2.059	2.021	42.34	2.023	2.026	2.001
#3	.2461	41.18	1.997	2.073	2.034	42.42	2.023	2.028	2.005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.979	41.45	42.10	41.97	2.075	1.907	42.53	2.038	1.994
Stddev	.003	.09	.08	.11	.003	.002	.08	.002	.005
%RSD	.1332	.2225	.2012	.2643	.1525	.0909	.1853	.0755	.2629

#1	1.976	41.43	42.17	42.10	2.071	1.908	42.53	2.036	1.990
#2	1.981	41.38	42.00	41.93	2.077	1.905	42.45	2.038	1.993
#3	1.980	41.56	42.12	41.88	2.076	1.908	42.61	2.039	2.000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.010	2.039	1.318	2.029	1.929	1.932	2.060	1.883	2.038
Stddev	.006	.003	.0007	.003	.004	.004	.001	.004	.006
%RSD	.3256	.1244	.5405	.1642	.2105	.2029	.0327	.2210	.3040

#1	2.017	2.041	.1326	2.027	1.928	1.928	2.060	1.878	2.031
#2	2.007	2.039	.1313	2.028	1.926	1.934	2.060	1.885	2.042
#3	2.005	2.036	.1315	2.033	1.934	1.935	2.059	1.885	2.041

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 3/22/2016 9:52:45 Type: QC
 Method: 60102007_042011(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2159.8	4635.3	3724.6	4220.9
Stddev	4.4	.9	106.	12.6
%RSD	.20386	.01917	.28431	.29858

#1	2164.8	4636.3	37296.	4217.3
#2	2158.2	4634.6	37317.	4210.4
#3	2156.5	4635.1	37124.	4234.9

Sample Name: ICB Acquired: 3/22/2016 9:59:33 Type: QC
 Method: 60102007_042011(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0008	-0.0002	-0.0001	.0001	.0004	.0001	-0.0001	.0001
Stddev	.0001	.0026	.0005	.0003	.0000	.0020	.0000	.0001	.0003
%RSD	169.5	318.3	206.5	230.2	34.43	446.2	64.25	164.5	276.6
#1	.0001	-.0037	.0002	-.0003	.0001	-.0017	.0001	.0001	-.0002
#2	.0002	-.0002	-.0001	-.0002	.0001	.0009	.0001	-.0001	.0000
#3	-.0001	.0014	-.0008	.0002	.0001	.0022	.0000	-.0001	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0115	.0092	-.0009	.0000	F-.0018	.0040	.0000	.0006
Stddev	.0002	.0009	.0050	.0208	.0000	.0003	.0009	.0000	.0004
%RSD	81.51	8.199	54.25	2318.	137.3	18.94	22.88	96.50	65.47
#1	.0003	.0125	.0127	.0073	.0000	.0021	.0030	.0001	.0009
#2	.0000	.0106	.0035	-.0245	.0000	.0017	.0047	.0000	.0002
#3	.0004	.0114	.0115	.0146	.0000	.0014	.0044	.0000	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0005	.0004	.0002	.0000	.0012	.0013	.0000	.0000
Stddev	.0004	.0014	.0003	.0001	.0000	.0000	.0005	.000	.000
%RSD	184.3	269.0	63.67	55.69	40.06	4.022	41.91	1117.	371.6
#1	-.0002	.0005	.0002	.0001	.0000	.0012	.0014	.0002	.0000
#2	.0006	.0019	.0008	.0003	.0001	.0012	.0017	-.0002	.0000
#3	.0002	-.0009	.0003	.0002	.0001	.0011	.0007	.0000	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 3/22/2016 9:59:33 Type: QC
 Method: 60102007_042011(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2558.9	4932.5	39569.	4344.0
Stddev	.8	3.4	90.	40.4
%RSD	.03192	.06891	.22690	.93044
#1	2559.2	4929.2	39465.	4307.1
#2	2559.5	4932.3	39622.	4337.9
#3	2558.0	4936.0	39619.	4387.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0115	.0092	-.0009	.0000	F-.0018	.0040	.0000	.0006
Stddev	.0002	.0009	.0050	.0208	.0000	.0003	.0009	.0000	.0004
%RSD	81.51	8.199	54.25	2318.	137.3	18.94	22.88	96.50	65.47
#1	.0003	.0125	.0127	.0073	.0000	.0021	.0030	.0001	.0009
#2	.0000	.0106	.0035	-.0245	.0000	.0017	.0047	.0000	.0002
#3	.0004	.0114	.0115	.0146	.0000	.0014	.0044	.0000	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0005	.0004	.0002	.0000	.0012	.0013	.0000	.0000
Stddev	.0004	.0014	.0003	.0001	.0000	.0000	.0005	.000	.000
%RSD	184.3	269.0	63.67	55.69	40.06	4.022	41.91	1117.	371.6
#1	-.0002	.0005	.0002	.0001	.0000	.0012	.0014	.0002	.0000
#2	.0006	.0019	.0008	.0003	.0001	.0012	.0017	-.0002	.0000
#3	.0002	-.0009	.0003	.0002	.0001	.0011	.0007	.0000	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CRIA Acquired: 3/22/2016 10:03:17 Type: QC
 Method: 60102007_042011(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0090	.1983	.0098	.2012	.0052	1.031	.0053	.0524	.0107
Stddev	.0003	.0052	.0006	.0008	.0000	.009	.0000	.0001	.0001
%RSD	2.801	2.600	6.207	.3887	.7568	.8711	.4249	.2417	1.169
#1	.0087	.1957	.0094	.2018	.0051	1.031	.0053	.0523	.0106
#2	.0092	.1950	.0105	.2015	.0052	1.022	.0053	.0525	.0106
#3	.0090	.2043	.0095	.2003	.0052	1.040	.0053	.0525	.0108

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0259	.3115	10.08	5.058	.0162	.0499	10.14	.0426	.0050
Stddev	.0001	.0018	.07	.018	.0001	.0002	.01	.0002	.0006
%RSD	.3517	.5666	.7329	.3568	.7142	.4206	.1078	.4667	11.28
#1	.0259	.3098	10.10	5.037	.0163	.0500	10.14	.0428	.0047
#2	.0259	.3134	10.00	5.067	.0161	.0496	10.15	.0427	.0048
#3	.0258	.3114	10.15	5.069	.0161	.0499	10.13	.0424	.0057

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0048	.0110	.0020	.0531	.0102	.0107	.0107	.0486	.0215
Stddev	.0006	.0008	.0003	.0002	.0001	.0001	.0007	.0003	.0001
%RSD	12.54	7.522	13.72	.4192	.6398	.5400	6.533	.6337	.3920
#1	.0042	.0101	.0018	.0528	.0102	.0107	.0115	.0485	.0215
#2	.0053	.0111	.0024	.0532	.0102	.0108	.0103	.0490	.0216
#3	.0051	.0117	.0019	.0532	.0101	.0108	.0102	.0484	.0214

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 3/22/2016 10:03:17 Type: QC
 Method: 60102007_042011(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2522.6	4990.7	39444.	4369.3
Stddev	4.9	5.4	182.	18.4
%RSD	.19341	.10916	.46248	.42046
#1	2522.2	4989.8	39535.	4349.2
#2	2517.8	4985.7	39234.	4373.6
#3	2527.6	4996.5	39564.	4385.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0259	.3115	10.08	5.058	.0162	.0499	10.14	.0426	.0050
Stddev	.0001	.0018	.07	.018	.0001	.0002	.01	.0002	.0006
%RSD	.3517	.5666	.7329	.3568	.7142	.4206	.1078	.4667	11.28
#1	.0259	.3098	10.10	5.037	.0163	.0500	10.14	.0428	.0047
#2	.0259	.3134	10.00	5.067	.0161	.0496	10.15	.0427	.0048
#3	.0258	.3114	10.15	5.069	.0161	.0499	10.13	.0424	.0057

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0048	.0110	.0020	.0531	.0102	.0107	.0107	.0486	.0215
Stddev	.0006	.0008	.0003	.0002	.0001	.0001	.0007	.0003	.0001
%RSD	12.54	7.522	13.72	.4192	.6398	.5400	6.533	.6337	.3920
#1	.0042	.0101	.0018	.0528	.0102	.0107	.0115	.0485	.0215
#2	.0053	.0111	.0024	.0532	.0102	.0108	.0103	.0490	.0216
#3	.0051	.0117	.0019	.0532	.0101	.0108	.0102	.0484	.0214

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSEA Acquired: 3/22/2016 10:06:52 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	501.6	-0.0006	-0.0003	.0001	491.1	.0000	-0.0005	.0000
Stddev	.0005	2.2	.0017	.0003	.0000	4.3	.0001	.0001	.000
%RSD	450.3	.4288	305.5	94.29	37.58	.8757	458.7	20.81	604.5
#1	-.0004	499.2	.0008	.0000	.0001	486.4	.0001	-.0006	.0002
#2	-.0006	503.3	.0000	-.0004	.0001	492.0	.0000	-.0004	-.0004
#3	.0001	502.2	-.0025	-.0005	.0001	494.9	-.0001	-.0004	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	188.1	.1418	528.8	.0003	-.0005	.1753	.0006	-.0002
Stddev	.0001	.3	.0242	1.8	.0000	.0001	.0054	.0001	.0022
%RSD	38.90	.1416	17.05	.3332	12.16	23.46	3.069	24.50	1117.
#1	.0005	188.2	.1697	526.8	.0003	-.0006	.1800	.0004	.0015
#2	.0003	188.4	.1262	529.4	.0004	-.0006	.1694	.0006	-.0027
#3	.0003	187.8	.1296	530.1	.0004	-.0004	.1765	.0007	.0005

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	.0000	.0112	F .0013	.0002	.0007	.0010	-.0003	-.0033
Stddev	.0035	.0004	.0003	.0006	.0001	.0001	.0009	.0001	.0000
%RSD	200.7	1350.	3.002	47.11	37.52	10.90	92.59	48.95	1.020
#1	.0020	.0005	.0112	.0010	.0003	.0006	-.0001	-.0002	-.0033
#2	-.0019	-.0002	.0108	.0020	.0001	.0006	.0016	-.0002	-.0033
#3	.0051	-.0001	.0115	.0009	.0002	.0007	.0015	-.0004	-.0032

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSEA Acquired: 3/22/2016 10:06:52 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1923.9	4301.2	33164.	3880.0
Stddev	5.2	3.4	74.	23.4
%RSD	.27057	.07913	.22416	.60358
#1	1923.9	4298.9	33170.	3903.2
#2	1929.1	4305.1	33087.	3880.5
#3	1918.7	4299.6	33235.	3856.4

7.2
7

Sample Name: ICSAB Acquired: 3/22/2016 10:12:44 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.057	504.6	1.093	.5134	.5043	485.9	.9597	.4742	.5108
Stddev	.004	12.8	.001	.0168	.0165	14.0	.0015	.0005	.0042
%RSD	.3289	2.536	.0658	3.266	3.279	2.881	.1537	.0960	.8276
#1	1.056	489.9	1.093	.4941	.4853	469.8	.9614	.4747	.5137
#2	1.054	511.0	1.094	.5228	.5122	492.5	.9587	.4739	.5060
#3	1.061	513.0	1.092	.5234	.5154	495.4	.9590	.4739	.5127

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5434	187.9	.1154	522.2	.5107	.9412	.1693	.9521	.9470
Stddev	.0021	5.9	.0187	16.7	.0022	.0007	.0046	.0005	.0033
%RSD	.3789	3.149	16.24	3.199	.4230	.0755	2.711	.0527	.3496
#1	.5439	181.2	.1340	503.3	.5128	.9419	.1640	.9527	.9487
#2	.5412	190.3	.1156	528.2	.5085	.9405	.1719	.9519	.9492
#3	.5452	192.3	.0965	535.0	.5107	.9412	.1720	.9518	.9432

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.026	1.014	.0430	.9287	1.019	.9646	.9405	.4706	.9582
Stddev	.003	.004	.0009	.0015	.032	.0047	.0067	.0020	.0021
%RSD	.2443	.4189	2.088	.1661	3.089	.4856	.7153	.4242	.2243
#1	1.029	1.011	.0439	.9283	.9833	.9688	.9441	.4725	.9601
#2	1.024	1.019	.0421	.9274	1.034	.9595	.9446	.4685	.9586
#3	1.027	1.013	.0431	.9304	1.041	.9656	.9327	.4707	.9559

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 3/22/2016 10:12:44 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1880.3	4238.3	33309.	3924.9
Stddev	3.8	5.9	170.	110.6
%RSD	.20077	.13818	.51114	2.8168
#1	1882.9	4241.2	33234.	4050.2
#2	1876.0	4242.1	33503.	3883.2
#3	1882.1	4231.5	33189.	3841.3

Sample Name: CCV Acquired: 3/22/2016 10:18:24 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2553	39.88	2.008	2.004	2.011	40.23	2.024	2.017	2.017
Stddev	.0006	.13	.007	.004	.012	.25	.007	.005	.007
%RSD	.2445	.3137	.3743	.1877	.5699	.6181	.3324	.2371	.3447
#1	.2559	39.93	2.007	2.003	2.008	40.22	2.024	2.017	2.019
#2	.2552	39.97	2.001	2.009	2.023	40.49	2.017	2.012	2.023
#3	.2546	39.74	2.016	2.002	2.000	39.99	2.030	2.021	2.009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.989	39.12	40.26	39.84	2.056	2.004	40.27	2.025	1.988
Stddev	.003	.15	.14	.24	.003	.005	.17	.008	.009
%RSD	.1687	.3780	.3429	.6118	.1660	.2347	.4210	.3912	.4609
#1	1.987	39.15	40.26	39.89	2.056	2.004	40.21	2.025	1.987
#2	1.993	39.25	40.40	40.06	2.060	1.999	40.46	2.017	1.979
#3	1.987	38.96	40.13	39.58	2.053	2.009	40.13	2.033	1.997

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.004	2.014	2.480	2.036	2.022	2.017	2.004	2.015	2.019
Stddev	.005	.004	.007	.006	.006	.004	.003	.005	.008
%RSD	.2317	.2124	.2804	.2838	.3001	.2195	.1577	.2580	.3860
#1	2.003	2.019	2.483	2.037	2.019	2.017	2.005	2.015	2.018
#2	2.000	2.014	2.472	2.030	2.028	2.021	2.001	2.021	2.012
#3	2.009	2.010	2.486	2.041	2.017	2.012	2.007	2.010	2.027

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/22/2016 10:18:24 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2163.4	4659.9	3727.2	4167.9
Stddev	3.5	7.0	130.	37.9
%RSD	.16181	.14978	.34775	.90868
#1	2164.2	4654.0	37190.	4142.5
#2	2166.5	4667.6	37204.	4149.7
#3	2159.6	4658.2	37421.	4211.4

7.2
7

Sample Name: CCB Acquired: 3/22/2016 10:23:32 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0080	.0005	.0001	.0002	.0053	.0002	.0000	.0001
Stddev	.000	.0033	.0005	.0003	.0001	.0013	.0000	.0000	.0002
%RSD	1854.	41.43	107.2	453.9	56.53	23.71	14.76	228.6	141.3
#1	.0000	.0118	-.0001	-.0003	.0002	.0045	.0001	.0000	.0004
#2	.0003	.0056	.0009	.0002	.0003	.0068	.0002	.0001	.0000
#3	-.0003	.0066	.0008	.0003	.0001	.0047	.0002	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0195	.0248	.0080	.0001	F .0014	.0083	.0001	.0000
Stddev	.0001	.0026	.0345	.0031	.0000	.0001	.0078	.0001	.000
%RSD	40.19	13.29	139.3	38.09	40.90	7.037	93.95	54.25	6464.
#1	.0002	.0165	.0549	.0046	.0001	.0015	.0086	.0001	.0001
#2	.0001	.0212	-.0128	.0090	.0002	.0014	.0004	.0002	-.0003
#3	.0001	.0208	.0322	.0105	.0001	.0013	.0160	.0000	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0018	-.0017	.0003	.0001	.0009	.0000	.0001	.0002
Stddev	.0006	.0002	.0003	.0002	.0000	.0000	.001	.0001	.0000
%RSD	966.5	12.56	17.89	54.12	28.79	5.496	2318.	109.1	13.64
#1	-.0008	.0018	-.0014	.0001	.0001	.0009	.0004	.0000	.0002
#2	.0003	.0016	-.0020	.0004	.0001	.0009	-.0008	.0002	.0002
#3	.0003	.0020	-.0017	.0004	.0002	.0008	.0004	.0001	.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/22/2016 10:23:32 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2599.4	5007.6	40344.	4348.8
Stddev	7.7	19.5	42.	12.1
%RSD	.29705	.38968	.10425	.27731
#1	2595.4	4990.2	40372.	4335.1
#2	2608.3	5028.7	40295.	4353.4
#3	2594.4	5003.9	40364.	4357.8

Sample Name: MP30148-MB1 Acquired: 3/22/2016 10:29:50 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0037	-0.015	.0001	.0000	.0104	.0000	-0.003	.0001
Stddev	.0002	.0035	.0005	.0002	.0001	.0012	.000	.0001	.0001
%RSD	140.2	94.39	33.60	235.0	324.1	11.30	1152.	21.37	92.95

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0068	.0027	.0072	.0000	.0010	.0142	-0.001	-0.001
Stddev	.0001	.0034	.0063	.0082	.0000	.0001	.0013	.0001	.0003
%RSD	72.36	49.38	236.3	114.7	326.2	13.69	9.216	56.54	189.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0008	.0048	.0003	.0000	.0007	.0000	-0.001	.0003
Stddev	.000	.0009	.0002	.0003	.0001	.0000	.0011	.0002	.0000
%RSD	2280.	113.8	4.152	80.01	258.0	2.645	12360.	174.1	7.298

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30148-MB1 Acquired: 3/22/2016 10:29:50 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2599.5	5017.8	40536.	4264.4
Stddev	16.1	30.2	330.	25.2
%RSD	.61812	.60156	.81327	.59005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

#1	#2	#3
2618.1	5048.2	40200.
2589.5	5017.5	40549.
2591.0	4987.8	40859.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

#1	#2	#3
4266.7	4288.3	4238.2
40549.	4288.3	4238.2
40859.	4238.2	4238.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30148-B1 Acquired: 3/22/2016 10:34:22 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0492	29.10	2.114	2.179	.0561	27.19	.0547	.5408	.2211
Stddev	.0004	.13	.000	.012	.0003	.04	.0001	.0010	.0013
%RSD	.7687	.4407	.0133	.5280	.4941	.1648	.1865	.1833	.5890

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2763	28.23	27.09	27.23	.5675	.5134	27.26	.5514	.5187
Stddev	.0007	.05	.10	.12	.0022	.0014	.14	.0008	.0021
%RSD	.2684	.1799	.3739	.4441	.3911	.2807	.5200	.1482	.4039

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5360	2.123	.0195	.5325	.5180	.5272	2.088	.5181	.5460
Stddev	.0012	.008	.0006	.0006	.0019	.0014	.002	.0026	.0010
%RSD	.2277	.3850	3.223	.1114	.3657	.2679	.0919	.4967	.1790

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30148-B1 Acquired: 3/22/2016 10:34:22 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2276.2	4719.4	37587.	4148.6
Stddev	2.0	4.4	175.	16.2
%RSD	.08834	.09224	.46593	.39014

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

#1	#2	#3
2278.3	4718.4	37466.
2276.2	4724.1	37788.
2274.2	4715.6	37506.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

#1	#2	#3
4130.6	4161.8	4153.4
37506.	4161.8	4153.4
37506.	4153.4	4153.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: FA32326-1 Acquired: 3/22/2016 10:38:33 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	1.169	.0000	.0899	.0000	95.16	.0001	.0000	.0017
Stddev	.0002	.011	.0001	.0006	.0000	.20	.0000	.0001	.0001
%RSD	170.8	.9315	636.7	.7148	103.0	.2094	62.99	159.7	8.250
#1	-.0002	1.156	-.0001	.0904	.0000	94.94	.0000	.0001	.0016
#2	.0001	1.174	.0000	.0892	.0000	95.21	.0001	.0001	.0019
#3	-.0002	1.176	.0001	.0902	.0001	95.33	.0001	.0000	.0017
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0122	.7725	1.887	3.382	.0276	.0092	11.55	.0015	.0039
Stddev	.0003	.0039	.023	.058	.0001	.0000	.02	.0001	.0005
%RSD	2.765	.5058	1.200	1.728	.4910	.3502	.1334	5.042	13.78
#1	.0119	.7745	1.880	3.334	.0276	.0092	11.53	.0014	.0045
#2	.0120	.7751	1.868	3.365	.0277	.0091	11.56	.0015	.0037
#3	.0126	.7680	1.912	3.447	.0274	.0092	11.56	.0016	.0035
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0003	.0063	4.543	.0008	.5050	.0516	.0008	.0040	.1111
Stddev	.0006	.0005	.008	.0004	.0014	.0044	.0007	.0001	.0005
%RSD	232.3	8.283	.1667	56.42	.2674	8.600	84.72	2.143	40.80
#1	-.0003	.0063	4.539	.0011	.5043	.0550	.0012	.0041	.1110
#2	.0009	.0069	4.552	.0009	.5041	.0466	.0000	.0039	.1108
#3	.0002	.0058	4.539	.0003	.5065	.0532	.0012	.0039	.1117
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2335.7	4661.7	37695.	4195.5					
Stddev	6.7	2.0	96.	5.6					
%RSD	.28748	.04193	.25532	.13241					
#1	2341.1	4661.0	37612.	4201.8					
#2	2337.7	4660.2	37672.	4193.2					
#3	2328.2	4663.9	37800.	4191.4					

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Sample Name: MP30148-D1 Acquired: 3/22/2016 10:42:58 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	1.147	.0000	.0884	.0000	93.06	.0001	.0000	.0020
Stddev	.0003	.015	.0002	.0009	.0000	1.26	.0000	.000	.0001
%RSD	165.6	1.334	528.5	.9911	36.45	1.354	27.52	247.7	6.011
#1	-.0005	1.165	.0000	.0890	.0000	94.16	.0001	.0000	.0018
#2	-.0002	1.136	-.0002	.0874	.0001	91.69	.0001	.0000	.0021
#3	.0001	1.142	.0003	.0888	.0001	93.35	.0001	-.0001	.0020
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0118	.7429	1.868	3.290	.0271	.0087	11.32	.0015	.0034
Stddev	.0001	.0092	.000	.059	.0002	.0001	.12	.0000	.0003
%RSD	1.174	1.240	.0125	1.791	.7479	1.140	1.077	2.568	8.846
#1	.0119	.7481	1.868	3.346	.0269	.0087	11.43	.0015	.0033
#2	.0119	.7322	1.868	3.229	.0269	.0087	11.19	.0016	.0038
#3	.0116	.7483	1.867	3.295	.0273	.0089	11.33	.0015	.0033
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0002	.0055	4.441	.0005	.4932	.0490	-.0001	.0037	.1079
Stddev	.0010	.0019	.012	.0001	.0059	.0014	.0006	.0001	.0006
%RSD	461.0	34.90	.2586	26.35	1.202	2.836	534.2	2.325	5435
#1	-.0009	.0062	4.454	.0004	.4986	.0492	.0001	.0036	.1076
#2	.0007	.0033	4.437	.0006	.4869	.0476	-.0008	.0037	.1076
#3	.0008	.0069	4.432	.0004	.4940	.0504	.0003	.0037	.1086
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2365.5	4733.5	38403.	4286.2					
Stddev	5.0	3.6	166.	62.4					
%RSD	.21198	.07596	.43239	1.4569					
#1	2371.3	4729.6	38532.	4228.5					
#2	2362.5	4736.8	38462.	4352.5					
#3	2362.7	4734.0	38216.	4277.6					

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7.2
7

Sample Name: MP30148-SD1 Acquired: 3/22/2016 10:47:24 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	1.155	.0017	.0899	.0002	95.40	.0001	.0000	.0021
Stddev	.0008	.047	.0016	.0004	.0004	.57	.0003	.0003	.0012
%RSD	706400.	4.042	91.43	.3900	193.6	6.027	240.7	822.9	57.54
#1	-.0002	1.107	.0012	.0903	.0000	95.63	-.0002	.0003	.0035
#2	.0009	1.201	.0005	.0899	.0006	94.74	.0002	.0000	.0019
#3	-.0007	1.156	.0035	.0896	-.0001	95.82	.0005	-.0002	.0011
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0112	.7464	1.801	3.440	.0275	.0082	11.58	.0011	.0048
Stddev	.0001	.0295	.097	.074	.0003	.0003	.07	.0004	.0037
%RSD	1.315	3.950	5.394	2.165	1.126	3.892	6.258	38.98	76.74
#1	.0112	.7403	1.794	3.483	.0278	.0079	11.66	.0009	.0046
#2	.0114	.7204	1.707	3.354	.0273	.0082	11.52	.0008	.0012
#3	.0111	.7784	1.901	3.483	.0274	.0085	11.56	.0016	.0087
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0014	.0055	4.527	-.0002	.5060	.0536	.0041	.0031	.1522
Stddev	.0030	.0041	.038	.0015	.0015	.0101	.0036	.0008	.0005
%RSD	215.5	73.59	.8349	653.4	.2877	18.86	89.21	27.05	.3124
#1	-.0031	.0017	4.495	-.0014	.5073	.0469	.0071	.0035	.1525
#2	.0021	.0098	4.569	.0015	.5062	.0652	.0051	.0021	.1516
#3	-.0032	.0050	4.519	-.0009	.5044	.0486	.0000	.0037	.1524
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2525.9	4934.1	39770.	4348.8					
Stddev	2.9	2.8	117.	53.1					
%RSD	.11623	.05633	.29337	1.2206					
#1	2525.1	4931.8	39698.	4334.0					
#2	2523.5	4933.3	39904.	4407.6					
#3	2529.2	4937.2	39707.	4304.6					

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Sample Name: MP30148-PS1 Acquired: 3/22/2016 10:51:52 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0479	3.707	1.016	.3469	.0519	97.41	.0504	.0503	.0545
Stddev	.0003	.018	.0008	.0005	.0004	.42	.0003	.0003	.0006
%RSD	.6832	4.884	8.343	1.575	.6756	4.271	.5980	.5609	1.154
#1	.0476	3.725	.1024	.3469	.0521	97.66	.0508	.0506	.0543
#2	.0482	3.705	.1017	.3475	.0521	97.65	.0504	.0501	.0553
#3	.0480	3.689	.1007	.3464	.0515	96.93	.0502	.0501	.0541
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1164	3.824	11.91	8.337	.0797	.1062	21.34	.1018	.0503
Stddev	.0005	.015	.02	.066	.0009	.0004	.04	.0007	.0008

Sample Name: MP30148-S1 Acquired: 3/22/2016 10:56:10 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0483	29.66	2.063	2.227	.0551	117.5	.0520	.5142	2.117
Stddev	.0005	.05	.006	.003	.0002	.3	.0002	.0015	.0012
%RSD	1.068	.1787	.2994	.1300	.4275	.2141	.3874	.2862	.5489

#1	.0487	29.62	2.056	2.224	.0553	117.8	.0518	.5127	2.127
#2	.0485	29.72	2.067	2.229	.0551	117.6	.0520	.5143	2.104
#3	.0477	29.64	2.066	2.229	.0548	117.3	.0522	.5156	2.121

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.2807	28.04	28.47	29.52	.5682	.5024	37.91	.5234	.5061
Stddev	.0014	.09	.06	.10	.0004	.0018	.01	.0009	.0013
%RSD	.5095	.3327	.2079	.3359	.0635	.3579	.0368	.1791	.2533

#1	.2823	28.06	28.43	29.46	.5680	.5003	37.89	.5223	.5047
#2	.2804	28.12	28.53	29.64	.5679	.5033	37.91	.5239	.5064
#3	.2795	27.94	28.44	29.48	.5686	.5035	37.92	.5240	.5072

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)
Avg	.5184	2.074	4.218	.5007	.9887	.5555	2.012	.5022	.6153
Stddev	.0024	.006	.027	.0010	.0030	.0010	.003	.0010	.0016
%RSD	.4568	.3004	.6454	.2024	.3067	.1836	.1639	.1904	.2664

#1	.5160	2.074	4.196	.5008	.9853	.5547	2.012	.5030	.6138
#2	.5185	2.067	4.209	.4996	.9900	.5567	2.008	.5011	.6150
#3	.5207	2.079	4.248	.5016	.9909	.5552	2.015	.5025	.6170

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2255.5	4813.4	38248.	4234.1
Stddev	1.6	4.1	125.	16.3
%RSD	.07252	.08450	.32557	.38484

#1	2254.4	4817.3	38163.	4217.6
#2	2257.4	4813.6	38391.	4234.6
#3	2254.7	4809.2	38190.	4250.2

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Sample Name: MP30148-S2 Acquired: 3/22/2016 11:00:21 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0474	29.05	2.030	2.196	.0540	114.9	.0511	.5047	2.068
Stddev	.0004	.06	.004	.004	.0001	.6	.0002	.0017	.0008
%RSD	.8061	.2035	.1997	.1785	.2676	.4797	.4860	.3277	.3726

#1	.0478	29.07	2.033	2.200	.0538	114.3	.0512	.5061	2.064
#2	.0471	28.98	2.025	2.192	.0540	114.9	.0508	.5029	2.064
#3	.0473	29.09	2.030	2.196	.0541	115.4	.0513	.5052	2.077

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.2741	27.47	27.87	28.85	.5549	.4920	37.20	.5132	.4949
Stddev	.0005	.06	.18	.07	.0018	.0011	.08	.0015	.0035
%RSD	.1680	.2004	.6468	.2560	.3310	.2261	.2107	.3002	.7019

#1	.2743	27.42	27.81	28.81	.5531	.4933	37.15	.5137	.4986
#2	.2736	27.47	27.74	28.80	.5568	.4913	37.15	.5115	.4916
#3	.2744	27.53	28.08	28.93	.5548	.4914	37.29	.5144	.4946

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)
Avg	.5084	2.037	4.114	.4907	.9682	.5391	1.964	.4913	.6005
Stddev	.0034	.011	.009	.0018	.0030	.0012	.007	.0000	.0012
%RSD	.6767	.5233	.2173	.3648	.3113	.2294	.3620	.0098	.2079

#1	.5113	2.049	4.108	.4918	.9684	.5379	1.972	.4914	.6012
#2	.5046	2.034	4.109	.4886	.9651	.5389	1.959	.4913	.5991
#3	.5093	2.028	4.124	.4917	.9711	.5404	1.962	.4913	.6013

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2272.0	4829.8	38655.	4271.3
Stddev	8.5	9.5	48.	24.1
%RSD	.37370	.19672	.12518	.56456

#1	2262.2	4818.8	38710.	4296.7
#2	2277.4	4834.8	38617.	4268.6
#3	2276.4	4835.7	38639.	4248.7

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7.2
7

Sample Name: FA32186-10 Acquired: 3/22/2016 11:04:31 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0003	.1595	.0214	.0170	.0001	33.60	.0000	.0008	.0014
Stddev	.0001	.0043	.0005	.0002	.0000	.27	.000	.0000	.0001
%RSD	36.72	2.722	2.348	1.077	28.01	.8103	1092.	3.173	4.114

#1	-.0003	.1637	.0210	.0172	.0001	33.92	.0000	.0008	.0013
#2	-.0002	.1599	.0219	.0168	.0001	33.46	-.0001	.0007	.0014
#3	-.0003	.1550	.0213	.0170	.0001	33.43	.0000	.0008	.0014

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.0013	1.765	.6827	11.80	.1298	.0008	22.35	.0052	.0012
Stddev	.0003	.014	.0109	.11	.0004	.0001	.07	.0000	.0006
%RSD	20.87	.8130	1.589	.9466	.3225	7.402	.2982	.7669	48.77

#1	.0016	1.781	.6846	11.93	.1293	.0009	22.42	.0051	.0017
#2	.0013	1.759	.6925	11.77	.1301	.0008	22.33	.0052	.0015
#3	.0011	1.754	.6710	11.72	.1300	.0007	22.30	.0052	.0005

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0004	.0034	4.275	.0002	.0621	.0210	.0007	.0052	.0081
Stddev	.0006	.0005	.019	.0002	.0001	.0001	.0006	.0001	.0000
%RSD	143.9	15.68	4544	87.77	.2095	.6813	83.52	2.318	.4792

#1	.0007	.0029	4.297	.0004	.0622	.0209	.0014	.0051	.0081
#2	.0009	.0035	4.269	.0001	.0622	.0212	.0004	.0053	.0081
#3	-.0003	.0039	4.260	.0001	.0620	.0210	.0003	.0052	.0082

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2455.5	4949.9	39775.	4375.2
Stddev	2.7	23.1	64.	48.6
%RSD	.10807	.46707	.16055	1.1107

#1	2452.7	4923.4	39746.	4319.2
#2	2455.8	4960.8	39848.	4400.3
#3	2458.0	4965.6	39731.	4406.0

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Sample Name: FA32352-7 Acquired: 3/22/2016 11:08:59 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0003	.1387	-.0012	.0314	.0000	36.54	.0000	.0000	.0005
Stddev	.0003	.0045	.0004	.0004	.0000	.09	.000	.000	.0001
%RSD	97.75	3.266	36.17	1.419	191.2	2591	83.63	199.7	27.96

#1	-.0003	.1414	-.0007	.0317	.0000	36.64
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Sample Name: CCV Acquired: 3/22/2016 11:13:28 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2470	38.94	1.941	1.939	1.969	39.46	1.968	1.955	1.974
Stddev	.0010	.05	.001	.002	.005	.13	.005	.005	.007
%RSD	.3887	.1391	.0577	.1178	.2337	.3260	.2743	.2526	.3512
#1	.2466	38.92	1.940	1.940	1.964	39.32	1.962	1.949	1.969
#2	.2480	39.01	1.940	1.937	1.972	39.57	1.968	1.956	1.982
#3	.2462	38.90	1.942	1.941	1.971	39.48	1.973	1.958	1.972

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.932	38.29	39.38	39.41	2.006	1.942	39.33	1.969	1.945
Stddev	.006	.06	.14	.22	.002	.004	.07	.004	.009
%RSD	.3054	.1459	.3630	.5569	.1072	.1872	.1874	.2276	.4559
#1	1.925	38.23	39.23	39.21	2.005	1.938	39.25	1.964	1.935
#2	1.937	38.31	39.37	39.65	2.009	1.943	39.40	1.970	1.947
#3	1.933	38.33	39.52	39.38	2.005	1.945	39.34	1.973	1.952

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.933	1.935	2.393	1.980	1.972	1.979	1.954	1.969	1.982
Stddev	.003	.006	.005	.004	.008	.008	.006	.005	.007
%RSD	.1589	.3297	.1942	.2152	.3856	.4128	.3333	.2427	.3562
#1	1.930	1.929	2.389	1.975	1.965	1.970	1.948	1.963	1.974
#2	1.932	1.934	2.392	1.982	1.972	1.986	1.954	1.972	1.982
#3	1.936	1.942	2.398	1.983	1.980	1.981	1.961	1.970	1.988

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/22/2016 11:13:28 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2215.0	4792.2	38181.	4205.3
Stddev	5.4	7.7	162.	15.6
%RSD	.24263	.15990	.42545	.37099
#1	2221.1	4801.0	38236.	4221.6
#2	2210.9	4787.4	37999.	4190.6
#3	2212.9	4788.2	38309.	4203.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 3/22/2016 11:17:39 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	-0.0003	.0003	.0002	.0002	.0027	.0001	.0001	.0002
Stddev	.0001	.0014	.0008	.0001	.0000	.0008	.0000	.0001	.0001
%RSD	132.6	404.9	227.2	41.79	13.65	28.14	24.25	122.3	21.00
#1	.0000	-.0016	.0007	.0001	.0001	.0023	.0001	.0000	.0003
#2	-.0002	.0012	.0009	.0003	.0002	.0022	.0001	.0000	.0002
#3	-.0001	-.0006	-.0005	.0003	.0002	.0036	.0001	.0002	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	.0180	-0.0160	.0154	.0001	F .0016	.0082	.0002	.0001
Stddev	.0001	.0026	.0376	.0129	.0000	.0003	.0046	.0002	.0001
%RSD	33.65	14.35	236.0	83.82	16.29	18.92	56.61	84.32	87.22
#1	-.0004	.0209	.0243	.0304	.0002	.0020	.0113	.0002	.0002
#2	-.0002	.0169	-.0219	.0075	.0001	.0015	.0103	.0000	.0001
#3	-.0004	.0161	-.0503	.0085	.0001	.0014	.0029	.0004	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0018	-0.0019	.0001	.0002	.0016	.0011	.0001	.0002
Stddev	.0009	.0009	.0002	.0001	.0001	.0002	.0002	.0002	.0000
%RSD	212.6	52.67	9.044	65.90	29.61	11.40	18.26	208.8	12.67
#1	.0015	.0008	-.0017	.0001	.0002	.0018	.0012	-.0001	.0002
#2	-.0003	.0020	-.0019	.0001	.0001	.0015	.0011	.0000	.0002
#3	.0002	.0026	-.0020	.0002	.0001	.0014	.0009	.0003	.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/22/2016 11:17:39 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2680.2	5195.4	41541.	4399.5
Stddev	8.4	17.4	110.	22.6
%RSD	.31242	.33556	.26446	.51456
#1	2689.4	5179.5	41540.	4377.0
#2	2678.4	5192.6	41432.	4422.3
#3	2673.0	5214.0	41651.	4399.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: FA32352-15 Acquired: 3/22/2016 11:22:12 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.265	-0.007	0.182	0.000	14.60	0.000	-0.002	0.003
Stddev	0.002	0.018	0.004	0.002	0.001	0.02	0.000	0.000	0.001
%RSD	139.3	6.734	55.97	1.311	103.1	1.205	165.2	23.92	31.86
#1	-0.001	0.259	-0.003	0.185	0.000	14.62	-0.001	-0.002	0.004
#2	-0.003	0.250	-0.006	0.180	-0.001	14.58	0.000	-0.001	0.003
#3	0.001	0.285	-0.011	0.182	0.001	14.59	0.000	-0.002	0.002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.001	0.916	2.315	2.536	0.042	0.013	2.905	0.000	0.016
Stddev	0.001	0.038	0.12	0.22	0.001	0.002	0.07	0.000	0.001
%RSD	78.50	4.111	5.178	8.525	1.359	11.92	2.588	24.93	5.974
#1	0.002	0.942	2.325	2.561	0.042	0.015	2.897	0.000	0.016
#2	0.002	0.873	2.302	2.519	0.041	0.011	2.907	0.000	0.015
#3	0.000	0.933	2.319	2.529	0.042	0.013	2.912	0.001	0.016
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.008	0.025	7.364	0.001	0.162	0.013	0.003	0.007	0.060
Stddev	0.005	0.016	0.045	0.001	0.001	0.001	0.009	0.001	0.001
%RSD	61.21	66.07	6.091	113.3	3.810	4.188	310.7	16.52	8.797
#1	0.013	0.044	7.415	0.000	0.163	0.013	-0.007	0.009	0.060
#2	0.004	0.013	7.341	0.002	0.162	0.013	0.011	0.007	0.061
#3	0.006	0.018	7.335	0.001	0.162	0.012	0.004	0.007	0.060
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2620.0	5135.9	4080.8	4408.5					
Stddev	18.7	29.6	83.0	4.4					
%RSD	0.71545	0.57650	2.0363	0.10042					
#1	2598.9	5102.6	4073.0	4407.4					
#2	2626.5	5146.0	4080.0	4413.4					
#3	2634.6	5159.1	4089.5	4404.8					

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Sample Name: FA32352-16 Acquired: 3/22/2016 11:26:43 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	0.222	-0.009	0.150	0.000	16.94	-0.001	-0.001	0.001
Stddev	0.002	0.009	0.006	0.004	0.000	0.03	0.000	0.001	0.001
%RSD	66.88	40.44	63.47	2.453	111.2	1.843	55.80	44.19	100.4
#1	-0.002	0.127	-0.005	0.151	0.000	16.97	0.000	-0.001	0.001
#2	-0.002	0.234	-0.015	0.152	0.000	16.93	-0.001	-0.001	0.000
#3	-0.005	0.305	-0.006	0.145	0.000	16.91	-0.001	-0.002	0.002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.001	0.982	3.874	3.176	0.029	0.008	6.312	-0.001	0.130
Stddev	0.002	0.036	0.23	0.28	0.002	0.001	0.44	0.001	0.002
%RSD	178.7	3.621	5.883	8.919	7.570	10.06	7.030	63.16	1.418
#1	0.003	0.987	3.875	3.156	0.027	0.007	6.363	-0.001	0.132
#2	0.001	0.923	3.896	3.164	0.028	0.007	6.281	-0.001	0.130
#3	-0.001	0.957	3.851	3.209	0.028	0.009	6.293	-0.002	0.129
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.002	0.028	6.813	0.001	0.037	0.009	0.003	0.006	0.067
Stddev	0.005	0.006	0.028	0.001	0.003	0.000	0.005	0.001	0.000
%RSD	284.1	22.14	4.084	107.3	7.374	4.444	147.1	17.36	3.156
#1	-0.007	0.028	6.845	0.000	0.038	0.010	0.008	0.005	0.067
#2	-0.002	0.022	6.793	0.002	0.036	0.009	-0.001	0.007	0.067
#3	0.004	0.034	6.803	0.002	0.035	0.009	0.002	0.006	0.067
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2543.6	4981.0	4043.9	4427.3					
Stddev	11.1	18.6	42.0	8.1					
%RSD	0.43508	0.37400	1.0327	0.18270					
#1	2533.1	4966.1	4048.5	4419.3					
#2	2555.2	5001.9	4042.8	4427.0					
#3	2542.6	4975.0	4040.3	4435.5					

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7.2
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Sample Name: FA32352-18 Acquired: 3/22/2016 11:31:11 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.181	-0.003	0.095	0.000	13.85	0.000	-0.001	0.003
Stddev	0.003	0.018	0.002	0.001	0.000	0.15	0.000	0.000	0.001
%RSD	119.7	9.797	70.45	5.497	95.50	1.083	120.3	32.99	40.84
#1	-0.003	0.198	-0.004	0.095	0.000	13.78	0.000	-0.001	0.005
#2	-0.005	0.162	-0.001	0.095	-0.001	14.02	0.000	-0.001	0.002
#3	0.001	0.184	-0.005	0.094	0.000	13.75	-0.001	-0.001	0.003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.004	6.099	5.972	5.404	0.268	0.105	-0.001	0.118	0.002
Stddev	0.001	0.044	0.83	0.37	0.000	0.000	0.07	0.003	0.005
%RSD	31.74	0.7252	1.382	6.776	1.675	1.811	6.867	200.7	4.120
#1	0.004	6.062	6.012	5.403	0.268	0.006	10.47	-0.001	0.020
#2	0.005	6.148	6.026	5.441	0.267	0.006	10.59	0.001	0.012
#3	0.003	6.087	5.877	5.367	0.268	0.006	10.45	-0.004	0.021
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.009	0.013	8.556	0.001	0.051	0.008	-0.001	0.004	0.057
Stddev	0.012	0.016	0.007	0.001	0.003	0.001	0.015	0.001	0.001
%RSD	137.0	118.4	0.865	133.4	5.199	12.05	156.3	15.43	9.142
#1	-0.001	0.030	8.564	0.000	0.051	0.009	-0.014	0.004	0.058
#2	0.005	0.013	8.554	0.000	0.054	0.008	0.015	0.004	0.058
#3	0.022	-0.002	8.549	0.002	0.049	0.007	-0.005	0.003	0.057
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2530.2	4973.4	4030.6	4428.5					
Stddev	3.4	10.8	54.0	43.5					
%RSD	0.13365	0.21690	1.3310	0.98148					
#1	2531.1	4966.5	4024.4	4430.7					
#2	2526.4	4968.0	4034.0	4384.0					
#3	2533.0	4985.9	4033.5	4470.8					

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Sample Name: FA32352-20 Acquired: 3/22/2016 11:35:39 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.198	-0.006	0.250	0.000	29.15	0.000	-0.002	0.003
Stddev	0.001	0.008	0.005	0.003	0.000	0.17	0.000	0.001	0.001
%RSD	37.68	44.88	83.76	1.018	176.6	6.001	166.2	29.50	35.66
#1	-0.002	0.126	-0.010	0.248	0.000	29.01	-0.001	-0.002	0.003
#2	-0.003	0.170	-0.001	0.249	0.000	29.35	0.000	-0.002	0.002
#3	-0.001	0.298	-0.006	0.253	0.000	29.09	0.000	-0.001	0.004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.000	0.070	2.878	5.230	0.015	0.008	17.70	-0.001	0.002
Stddev	0.001	0.010	0.23	0.050	0.001	0.001	0.07	0.001	0.005

Sample Name: FA32381-1 Acquired: 3/22/2016 11:40:08 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	0.014	-0.013	0.035	0.001	3.341	-0.001	0.010	0.035
Stddev	0.005	0.106	0.012	0.004	0.001	0.006	0.000	0.003	0.003
%RSD	141.0	783.4	93.78	10.32	71.81	0.1819	8.747	28.62	7.347
#1	0.002	0.120	0.000	0.039	0.002	3.348	-0.001	0.013	0.032
#2	-0.006	-0.093	-0.014	0.031	0.001	3.337	-0.001	0.007	0.035
#3	-0.006	0.014	-0.025	0.035	0.000	3.338	-0.001	0.009	0.037
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	0.012	-0.017	149.1	2.079	0.001	0.010	73.40	0.006	-0.004
Stddev	0.004	0.043	3	0.034	0.001	0.001	0.18	0.001	0.006
%RSD	36.93	246.3	0.1844	1.638	62.55	6.460	0.2457	22.68	164.3
#1	0.012	-0.001	148.9	2.043	0.001	0.011	73.23	0.007	0.003
#2	0.007	-0.066	149.4	2.083	0.002	0.010	73.59	0.006	-0.008
#3	0.016	0.015	149.2	2.110	0.001	0.010	73.37	0.004	-0.006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.005	0.034	3.056	-0.002	0.025	0.001	0.008	0.000	0.286
Stddev	0.015	0.004	0.005	0.005	0.002	0.001	0.016	0.000	0.002
%RSD	332.8	11.49	0.1617	210.4	4.153	40.62	199.5	654.1	0.8714
#1	-0.010	0.033	3.060	0.003	0.027	0.001	0.019	-0.003	0.287
#2	-0.016	0.032	3.058	-0.006	0.023	0.002	0.015	0.002	0.287
#3	0.013	0.039	3.050	-0.003	0.025	0.001	-0.010	0.000	0.283
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2428.0	4920.9	39233.	4390.2					
Stddev	4.0	12.5	179.	22.1					
%RSD	0.16309	0.25490	0.45665	0.50374					
#1	2423.4	4908.0	39136.	4414.1					
#2	2430.4	4921.7	39440.	4370.5					
#3	2430.1	4933.1	39124.	4386.1					

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Sample Name: FA32381-2 Acquired: 3/22/2016 11:44:39 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.000	0.349	0.000	0.181	0.000	95.70	0.000	-0.001	0.006
Stddev	0.003	0.020	0.001	0.001	0.000	0.31	0.000	0.000	0.002
%RSD	600.6	5.734	7391.	0.3647	157.3	0.3248	188.6	34.05	41.49
#1	0.003	0.327	-0.004	0.181	0.000	95.34	0.000	-0.001	0.005
#2	-0.003	0.367	0.011	0.182	0.000	95.92	-0.001	-0.001	0.004
#3	0.001	0.354	-0.007	0.181	0.000	95.83	0.000	-0.001	0.008
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	0.001	2.124	4.734	9.599	0.068	0.009	5.948	0.001	-0.007
Stddev	0.001	0.12	0.241	0.32	0.000	0.001	0.025	0.002	0.005
%RSD	101.3	0.5715	5.101	0.3317	0.5803	15.03	0.4262	291.1	76.51
#1	0.002	2.113	4.841	9.574	0.068	0.008	5.924	0.002	-0.002
#2	0.000	2.137	4.457	9.635	0.068	0.011	5.975	-0.001	-0.006
#3	0.002	2.122	4.903	9.588	0.068	0.009	5.945	0.001	-0.012
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.003	0.011	3.443	-0.001	0.205	0.013	-0.001	0.005	0.086
Stddev	0.007	0.010	0.10	0.002	0.010	0.001	0.006	0.001	0.000
%RSD	198.6	89.51	0.2870	147.3	0.5179	6.489	505.6	23.98	45.12
#1	-0.011	0.022	3.438	-0.002	0.1997	0.014	-0.007	0.004	0.086
#2	0.003	0.003	3.455	-0.002	0.2016	0.012	-0.002	0.004	0.086
#3	-0.002	0.009	3.437	0.001	0.2000	0.014	0.005	0.006	0.086
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2360.8	4739.2	38468.	4289.2					
Stddev	6.6	4.7	7.	12.8					
%RSD	0.28063	0.09882	0.01706	0.29932					
#1	2353.3	4739.2	38468.	4303.8					
#2	2366.0	4734.6	38462.	4279.9					
#3	2363.0	4743.9	38475.	4283.8					

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7.2
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Sample Name: FA32381-3 Acquired: 3/22/2016 11:49:08 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 20.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.018	1.334	-0.004	1.735	0.004	503.3	-0.004	-0.027	0.003
Stddev	0.072	0.650	0.128	0.026	0.007	2.0	0.009	0.015	0.024
%RSD	395.1	48.74	3421.	1.496	200.6	0.3990	239.2	54.64	921.6
#1	-0.041	1.691	0.053	1.742	0.009	505.0	-0.014	-0.043	-0.021
#2	0.063	0.584	-0.151	1.756	0.006	503.8	0.002	-0.014	0.003
#3	-0.077	1.728	0.086	1.706	-0.005	501.0	0.000	-0.024	0.026
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.003	4.804	5.247	93.52	1.078	-0.003	533.0	-0.008	0.015
Stddev	0.020	0.059	0.088	0.79	0.002	0.005	1.6	0.012	0.125
%RSD	767.2	1.228	1.681	0.8447	0.1426	176.0	0.3082	150.3	836.2
#1	-0.017	4.768	5.321	94.35	1.077	-0.005	534.5	-0.011	0.062
#2	0.022	4.872	5.149	92.77	1.078	-0.003	533.1	-0.018	0.110
#3	0.003	4.771	5.269	93.44	1.080	-0.005	531.3	0.005	-0.127
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.062	0.290	11.56	-0.031	3.693	0.154	0.244	-0.002	1.857
Stddev	0.194	0.317	0.08	0.016	0.15	0.007	0.304	0.051	0.002
%RSD	313.6	109.3	0.6604	51.35	4.004	4.292	124.6	2042.	0.953
#1	-0.034	0.027	11.48	-0.021	3.710	0.160	-0.049	-0.021	1.855
#2	-0.028	0.201	11.64	-0.023	3.687	0.154	0.223	-0.041	1.856
#3	0.016	0.643	11.56	-0.050	3.683	0.147	0.558	0.055	1.859
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2434.9	4855.1	39238.	4416.9					
Stddev	8.5	12.8	53.	27.4					
%RSD	0.34847	0.26320	0.13548	0.62085					
#1	2431.9	4861.1	39300.	4385.5					
#2	2444.4	4863.8	39205.	4435.9					
#3	2428.3	4840.4	39211.	4429.5					

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Sample Name: FA32381-4 Acquired: 3/22/2016 11:53:38 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.014	0.769	-0.038	1.231	0.000	392.1	-0.006	-0.010	0.026
Stddev	0.039	0.614	0.085	0.012	0.000	0.3	0.002	0.003	0.014
%RSD	273.2	79.89	224.9	0.9979	221.1	0.649	29.59	29.93	56.00
#1	0.025	0.184	-0.079	1.223	0.000	391.9	-0.008	-0.010	0.021
#2	-0.052	1.408	0.060	1.225	0.000	391.9	-0.004	-0.014	0.014
#3	-0.015	0.714	-0.094	1.245	-0.001	392.4	-0.007	-0.007	0.041
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.005	1.289	8.132	73.					

Sample Name: FA32381-5 Acquired: 3/22/2016 11:58:08 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 25.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	-0.0319	-0.0074	0.0767	0.0012	225.4	0.0004	-0.0016	0.0057
Stddev	0.001	0.0338	0.0162	0.0048	0.0004	.6	0.0006	0.0009	0.0028
%RSD	30.19	106.1	217.8	6.233	35.07	2.480	152.8	56.07	48.89
#1	-0.003	-0.0008	-0.0261	0.0755	0.0015	225.9	0.0000	-0.0008	0.0084
#2	-0.0005	-0.0679	0.0104	0.0727	0.0007	224.8	0.0001	-0.0025	0.0028
#3	-0.0004	-0.0270	0.0025	0.0820	0.0013	225.5	0.0010	-0.0014	0.0060
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0078	1.251	4.507	45.12	0.0226	-0.0024	242.9	-0.0012	-0.0087
Stddev	0.0059	0.061	0.795	84	0.0014	0.0030	1.0	0.0043	0.0097
%RSD	75.63	4.858	17.63	1.851	6.113	128.9	4.087	369.9	111.5
#1	-0.0146	1.317	4.872	45.79	0.0218	0.0011	243.9	0.0007	-0.0008
#2	-0.0038	1.238	3.595	44.18	0.0218	-0.0036	242.9	-0.0060	-0.0058
#3	-0.0051	1.197	5.053	45.40	0.0242	-0.0046	241.9	0.0019	-0.0195
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0282	0.0231	14.41	-0.0031	2.233	0.0076	0.0096	-0.0014	0.2354
Stddev	0.0079	0.0220	0.02	0.0058	0.005	0.0006	0.0090	0.0037	0.0003
%RSD	27.90	95.32	1.423	188.6	0.264	7.538	94.17	276.8	1.298
#1	-0.0325	0.0384	14.43	0.0020	2.238	0.0072	0.0185	-0.0046	0.2350
#2	-0.0191	-0.0021	14.41	-0.0094	2.233	0.0083	0.0004	0.0027	0.2355
#3	-0.0330	0.0329	14.39	-0.0018	2.229	0.0073	0.0099	-0.0022	0.2356
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2516.5	4923.0	39832	4364.8					
Stddev	4.4	8.2	53	19.6					
%RSD	0.17521	0.16735	0.13297	0.44839					
#1	2521.6	4914.5	39773	4342.7					
#2	2514.0	4923.6	39876	4371.9					
#3	2514.0	4930.9	39848	4379.9					

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Sample Name: FA32381-6 Acquired: 3/22/2016 12:02:38 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0004	1.274	0.0036	0.0127	0.0002	48.77	0.0002	0.0029	0.0046
Stddev	0.0001	0.017	0.0001	0.0001	0.0000	0.08	0.0001	0.0001	0.0001
%RSD	26.21	1.330	4.000	0.5255	3.486	0.1687	33.86	4.449	1.930
#1	-0.0003	1.268	0.0035	0.0128	0.0002	48.72	0.0002	0.0028	0.0047
#2	-0.0004	1.293	0.0036	0.0128	0.0002	48.86	0.0002	0.0029	0.0046
#3	-0.0005	1.260	0.0038	0.0126	0.0002	48.71	0.0001	0.0031	0.0045
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0079	6.316	2.159	3.532	0.0538	0.0006	4.933	0.0054	0.0065
Stddev	0.0002	0.021	0.010	0.013	0.0002	0.0001	0.11	0.0002	0.0003
%RSD	3.147	0.3399	0.4738	0.3737	0.4585	21.50	0.2182	3.413	4.843
#1	0.0081	6.302	2.154	3.542	0.0536	0.0006	4.943	0.0052	0.0068
#2	0.0076	6.341	2.170	3.517	0.0538	0.0008	4.933	0.0054	0.0061
#3	0.0080	6.306	2.152	3.538	0.0541	0.0006	4.922	0.0055	0.0065
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0004	0.0024	2.149	0.0000	0.022	0.0298	-0.0007	0.0160	0.0640
Stddev	0.0010	0.0010	0.005	0.000	0.0003	0.0007	0.0008	0.0002	0.0001
%RSD	249.4	43.70	0.2537	600.6	0.3420	2.506	122.2	1.052	0.1944
#1	-0.0007	0.0035	2.154	-0.0002	0.022	0.0307	-0.0003	0.0161	0.0640
#2	0.0010	0.0016	2.148	0.0002	0.025	0.0295	-0.0001	0.0158	0.0639
#3	0.0009	0.0020	2.144	-0.0001	0.018	0.0293	-0.0016	0.0160	0.0641
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2461.1	4875.7	4005.1	4432.0					
Stddev	2.9	4.4	142	17.3					
%RSD	0.11675	0.09059	0.35439	0.39010					
#1	2457.9	4880.7	3990.4	4435.8					
#2	2463.4	4872.2	4018.7	4413.2					
#3	2462.1	4874.3	4006.1	4447.1					

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7.2
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Sample Name: CCV Acquired: 3/22/2016 12:07:03 Type: QC
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.444	38.42	1.930	1.937	1.935	38.62	1.945	1.938	1.938
Stddev	0.011	0.20	0.02	0.009	0.010	0.18	0.002	0.002	0.008
%RSD	0.4362	0.5159	0.1135	0.4423	0.5051	0.4762	0.0779	0.0880	0.4232
#1	2.456	38.44	1.933	1.932	1.939	38.79	1.943	1.937	1.939
#2	2.437	38.21	1.929	1.933	1.924	38.43	1.946	1.939	1.945
#3	2.439	38.60	1.929	1.947	1.942	38.65	1.944	1.940	1.928
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.907	37.45	38.79	38.03	1.971	1.929	38.94	1.945	1.895
Stddev	0.015	0.18	0.11	0.25	0.009	0.001	0.14	0.002	0.001
%RSD	0.7830	0.4770	0.2960	0.6658	0.4487	0.0526	0.3666	0.0749	0.0658
#1	1.920	37.54	38.82	38.28	1.973	1.929	39.07	1.944	1.894
#2	1.891	37.24	38.66	37.77	1.978	1.929	38.79	1.944	1.897
#3	1.911	37.57	38.88	38.05	1.961	1.931	38.97	1.946	1.896
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.915	1.928	2.376	1.942	1.948	1.939	1.908	1.935	1.939
Stddev	0.004	0.001	0.005	0.002	0.006	0.005	0.004	0.004	0.005
%RSD	0.2336	0.0727	0.1986	0.0795	0.3159	0.2793	0.1823	0.2049	0.2691
#1	1.920	1.927	2.382	1.942	1.952	1.945	1.904	1.939	1.935
#2	1.913	1.929	2.372	1.943	1.940	1.934	1.911	1.934	1.945
#3	1.911	1.927	2.375	1.940	1.950	1.938	1.909	1.931	1.937
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 3/22/2016 12:07:03 Type: QC
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2233.5	4802.7	38650	4347.5
Stddev	2.4	10.3	73	30.3
%RSD	0.10571	0.21478	0.18821	0.69808
#1	2235.8	4798.8	38621	4329.7
#2	2233.6	4814.4	38597	4382.5
#3	2231.1	4794.9	38733	4330.3

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Sample Name: CCB Acquired: 3/22/2016 12:11:14 Type: QC
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Units, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Fail None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: CCB Acquired: 3/22/2016 12:11:14 Type: QC
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Units, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Fail None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

7.2 7

Sample Name: FA32381-7 Acquired: 3/22/2016 12:15:46 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, IS Ref, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, IS Ref, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, IS Ref, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and #1-3.

Table with 4 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Table with 4 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Sample Name: FA32381-8 Acquired: 3/22/2016 12:20:15 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, IS Ref, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, IS Ref, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, IS Ref, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and #1-3.

Table with 4 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Table with 4 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Sample Name: FA32381-9 Acquired: 3/22/2016 12:24:42 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 20.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.052	0.431	0.034	0.7369	0.004	1199.	0.001	-0.017	0.048
Stddev	0.044	0.0845	0.0052	0.0062	0.003	2.	0.002	0.027	0.037
%RSD	84.17	19.59	153.6	0.8222	74.45	0.1361	155.8	157.7	78.81
#1	-0.080	0.4986	0.0084	0.7302	0.004	1199.	0.003	0.000	0.026
#2	-0.002	0.3364	-0.0019	0.7425	0.001	1201.	0.002	-0.049	0.091
#3	-0.073	0.4583	0.0037	0.7380	0.008	1198.	-0.001	-0.003	0.026
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	-0.049	0.054	16.33	4.357	0.002	0.030	1744.	0.013	-0.003
Stddev	0.037	0.0311	0.57	0.421	0.001	0.022	4.	0.014	0.103
%RSD	76.43	68.57	3.496	9.653	67.15	73.73	0.2167	104.6	3131.
#1	-0.056	0.0572	16.57	4.759	0.001	0.035	1740.	0.029	0.115
#2	-0.009	0.0690	15.68	4.393	0.001	0.049	1746.	0.005	-0.075
#3	-0.083	0.0101	16.75	3.920	0.003	0.006	1746.	0.006	-0.050
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.024	0.034	2.507	-0.005	17.09	0.170	0.136	0.002	-1.129
Stddev	0.095	0.170	0.13	0.036	0.07	0.029	0.256	0.018	0.013
%RSD	395.8	50.76	5.221	716.9	0.4061	16.83	188.5	104.7	1.178
#1	0.095	0.0464	2.522	0.035	17.01	0.198	-0.125	-0.009	0.1143
#2	0.061	0.142	2.503	-0.015	17.13	0.172	0.386	-0.008	0.1128
#3	-0.084	0.0396	2.497	-0.035	17.12	0.141	0.146	0.022	0.1116
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2353.3	4837.6	39192.	4513.3					
Stddev	5.5	14.4	35.	17.8					
%RSD	0.2382	0.29695	0.8922	0.39364					
#1	2358.1	4853.9	39226.	4498.2					
#2	2354.5	4826.8	39156.	4508.7					
#3	2347.3	4832.1	39194.	4532.9					

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Sample Name: FA32381-10 Acquired: 3/22/2016 12:29:11 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 100.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.041	-0.228	0.0391	0.7447	0.027	1612.	-0.036	-0.099	0.057
Stddev	0.142	0.8432	0.0156	0.0384	0.0045	8.	0.041	0.071	0.152
%RSD	350.8	368.5	39.88	5.159	163.6	4864	114.9	71.62	267.4
#1	-0.204	-1.174	0.058	0.7246	-0.023	1609.	0.007	-0.115	0.124
#2	0.054	0.4464	0.0365	0.7204	0.061	1606.	-0.040	-0.022	-0.117
#3	0.029	0.412	0.0249	0.7890	0.045	1621.	-0.076	-0.161	0.163
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	-0.053	4.693	70.10	274.4	0.1478	-0.0081	3321.	-0.009	0.169
Stddev	0.210	0.118	2.05	2.2	0.042	0.068	10.	0.129	0.582
%RSD	39.34	2.522	2.926	0.7934	2.857	84.89	0.3133	130.3	344.0
#1	-0.411	4.584	67.97	274.0	0.1439	-0.149	3312.	-0.232	0.492
#2	-0.416	4.675	70.28	272.5	0.1523	-0.102	3319.	0.027	-0.503
#3	-0.778	4.819	72.06	276.8	0.1473	-0.082	3332.	-0.093	0.519
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.133	0.1224	12.21	-0.071	41.33	0.502	0.751	-0.031	-0.719
Stddev	0.012	0.1547	0.03	0.036	0.11	0.057	0.624	0.037	0.024
%RSD	459.2	126.4	2.103	192.0	0.2716	11.46	83.02	119.0	0.361
#1	-0.384	-0.277	12.19	-0.017	41.20	0.492	0.162	0.008	0.7106
#2	0.089	0.2813	12.24	0.030	41.39	0.563	0.1404	-0.065	0.7146
#3	-0.025	-0.1135	12.19	-0.026	41.41	0.449	0.688	-0.037	0.7104
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2474.9	4938.7	39693.	4427.4					
Stddev	7.7	9.0	110.	22.4					
%RSD	0.31193	0.18292	0.27829	0.50684					
#1	2466.9	4928.9	39713.	4426.7					
#2	2482.3	4940.6	39792.	4450.1					
#3	2475.6	4946.6	39574.	4405.3					

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7.2
7

Sample Name: FA32381-11 Acquired: 3/22/2016 12:33:41 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.016	0.211	-0.014	0.162	0.001	26.19	-0.004	-0.006	-0.003
Stddev	0.010	0.0593	0.025	0.009	0.003	0.06	0.001	0.007	0.006
%RSD	62.17	28.15	174.4	5.519	238.6	0.2249	37.47	132.2	171.8
#1	-0.008	0.0769	0.000	0.163	-0.001	26.19	-0.003	-0.001	0.003
#2	-0.027	0.0276	0.000	0.170	0.005	26.25	-0.003	-0.001	-0.004
#3	-0.012	-0.0412	-0.0043	0.153	0.000	26.14	-0.006	-0.014	-0.009
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.033	0.265	43.51	3.280	0.011	0.016	380.6	-0.005	-0.013
Stddev	0.016	0.169	0.31	0.159	0.002	0.011	2.0	0.007	0.060
%RSD	47.98	63.61	0.7099	4.853	18.11	69.57	0.5323	123.4	474.2
#1	-0.041	0.070	43.75	3.356	0.009	0.009	380.7	-0.002	-0.064
#2	-0.015	0.0362	43.62	3.386	0.010	0.010	382.6	-0.013	0.053
#3	-0.044	0.0364	43.16	3.097	0.013	0.029	378.5	-0.001	-0.027
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.056	-0.040	4.989	0.003	8921.	0.022	0.119	0.005	0.875
Stddev	0.123	0.081	0.07	0.024	0.023	0.003	0.040	0.015	0.003
%RSD	217.4	203.2	0.1415	915.6	0.2538	13.45	33.25	314.5	0.3914
#1	-0.015	-0.113	4.995	-0.004	8923.	0.019	0.088	0.016	0.872
#2	-0.194	-0.0055	4.981	-0.017	8943.	0.022	0.107	-0.012	0.877
#3	0.040	0.048	4.991	0.029	8898.	0.025	0.164	0.010	0.878
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2509.5	4970.5	40247.	4444.6					
Stddev	4.6	11.0	166.	15.6					
%RSD	0.18216	0.22105	0.41200	0.35033					
#1	2513.7	4982.8	40186.	4435.2					
#2	2510.2	4967.0	40121.	4436.0					
#3	2504.6	4961.6	40435.	4462.6					

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Sample Name: FA32381-12 Acquired: 3/22/2016 12:38:12 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.1861	0.050	0.232	0.000	96.15	0.000	0.000	0.009
Stddev	0.001	0.017	0.010	0.003	0.000	0.49	0.000	0.000	0.003
%RSD	31.08	9.357	19.85	1.127	117.3	0.5109	13020.	171.7	31.48
#1	-0.002	0.1841	0.058	0.229	0.001	95.70	0.000	-0.001	0.007
#2	-0.003	0.1869	0.055	0.234	0.000	96.67	0.000	0.000	0.008
#3	-0.002	0.1872	0.039	0.232	0.000	96.08	0.000	0.000	0.012
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.001	1.941	2.126	5.102	0.127	0.016	4.327	0.003	0.001
Stddev	0.000	0.11	0.17	0.44	0.001	0.001	0.017	0.001	0.001
%RSD	51.24	5.514	7.868	8.550	0.8465	6.492	0.3821	21.32	107.6
#1	-0.001	1.933	2.124	5.054	0.128	0.016	4.311	0.004	0.000
#2	-0.001	1.936	2.111	5.113	0.128	0.018	4.344	0	

Sample Name: FA32381-13 Acquired: 3/22/2016 12:42:42 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	.1794	.0026	.0371	.0001	103.3	.0000	.0003	.0005
Stddev	.0001	.0045	.0002	.0002	.0000	.4	.000	.0000	.0001
%RSD	33.37	2.523	5.702	.6413	32.18	.4158	120.5	17.60	27.45
#1	-.0004	.1829	.0025	.0374	.0001	102.9	.0000	.0003	.0004
#2	-.0003	.1810	.0027	.0370	.0001	103.7	-.0001	.0003	.0006
#3	-.0002	.1743	.0028	.0370	.0000	103.2	.0000	.0002	.0006
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0005	1.702	2.513	10.51	.0122	.0017	24.80	.0007	-.0001
Stddev	.0000	.005	.031	.05	.0001	.0001	.08	.0001	.0006
%RSD	8.365	.2846	1.234	.4496	.4119	5.880	.3269	14.98	739.8
#1	.0005	1.697	2.486	10.49	.0122	.0016	24.72	.0006	.0001
#2	.0005	1.706	2.508	10.57	.0122	.0018	24.89	.0008	.0004
#3	.0004	1.704	2.547	10.48	.0123	.0018	24.80	.0006	-.0007
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0005	.0025	3.796	.0003	.3031	.0042	-.0012	.0030	.0076
Stddev	.0002	.0005	.032	.0002	.0002	.0003	.0010	.0001	.0001
%RSD	36.82	18.46	.8424	58.39	.0520	6.244	81.51	3.976	.7020
#1	-.0005	.0023	3.791	.0003	.3031	.0040	-.0005	.0029	.0076
#2	-.0003	.0022	3.767	.0001	.3032	.0045	-.0008	.0031	.0077
#3	-.0007	.0031	3.831	.0005	.3029	.0041	-.0023	.0030	.0076
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2356.0	4730.3	39434.	4484.2					
Stddev	5.1	22.0	200.	23.1					
%RSD	.21747	.46531	.50717	.51571					
#1	2352.4	4736.7	39333.	4495.2					
#2	2361.9	4748.4	39664.	4457.7					
#3	2353.8	4705.8	39304.	4499.8					

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Sample Name: CCV Acquired: 3/22/2016 12:47:11 Type: QC
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2418	38.50	1.923	1.948	1.929	38.29	1.939	1.941	1.916
Stddev	.0005	.12	.002	.005	.004	.17	.003	.004	.004
%RSD	.2231	.3229	.0769	.2591	.2356	.4550	.1308	.2071	.2038
#1	.2413	38.35	1.923	1.950	1.924	38.09	1.942	1.946	1.915
#2	.2418	38.58	1.922	1.952	1.932	38.34	1.940	1.938	1.920
#3	.2424	38.56	1.924	1.942	1.932	38.43	1.937	1.940	1.912
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.904	37.46	38.64	37.72	1.940	1.939	38.80	1.939	1.876
Stddev	.012	.10	.07	.26	.003	.002	.10	.001	.004
%RSD	.6041	.2730	.1786	.6915	.1604	.1088	.2516	.0640	.1870
#1	1.891	37.34	38.56	37.44	1.944	1.940	38.70	1.940	1.876
#2	1.914	37.53	38.68	37.77	1.938	1.936	38.79	1.938	1.879
#3	1.905	37.50	38.67	37.95	1.939	1.940	38.90	1.939	1.872
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.924	1.931	2.384	1.933	1.943	1.924	1.890	1.909	1.918
Stddev	.004	.004	.003	.001	.003	.008	.007	.001	.005
%RSD	.2048	.1900	.1235	.0413	.1301	.4238	.3562	.0714	.2622
#1	1.926	1.935	2.387	1.933	1.941	1.916	1.888	1.908	1.920
#2	1.919	1.928	2.381	1.933	1.944	1.933	1.897	1.911	1.922
#3	1.926	1.930	2.384	1.932	1.945	1.924	1.884	1.909	1.912
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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7.2
7

Sample Name: CCV Acquired: 3/22/2016 12:47:11 Type: QC
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2242.4	4786.7	38971.	4355.7
Stddev	3.1	5.3	141.	28.7
%RSD	.13972	.11155	.36267	.65940
#1	2244.8	4786.8	39117.	4383.5
#2	2238.9	4791.9	38835.	4357.4
#3	2243.6	4781.3	38960.	4326.2

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Sample Name: CCB Acquired: 3/22/2016 12:51:22 Type: QC
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0005	.0005	.0003	.0003	.0038	.0002	.0002	.0002
Stddev	.0003	.0043	.0003	.0002	.0000	.0006	.0001	.0001	.0001
%RSD	187.7	909.3	67.44	61.73	12.47	15.78	28.31	38.43	57.21
#1	-.0001	.0026	.0004	.0004	.0003	.0043	.0002	.0002	.0001
#2	-.0005	.0033	.0002	.0004	.0003	.0039	.0002	.0002	.0002
#3	-.0001	-.0045	.0008	.0001	.0003	.0032	.0003	.0003	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	.0194	.0205	.0007	.0002	F .0018	.0097	.0003	.0004
Stddev	.0001	.0012	.0110	.0056	.0000	.0003	.0063	.0000	.0003
%RSD	26.45	6.423	53.54	796.4	9.899	18.04	64.76	17.82	72.71
#1	-.0006	.0207	.0250	.0051	.0002	.0021	.0164	.0003	.0001
#2	-.0004	.0183	.0285	-.0056	.0002	.0018	.0039	.0002	.0004
#3	-.0007	.0190	.0080	.0026	.0002	.0015	.0088	.0003	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-.0010			
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	F .0024	-.0021	.0002	.0003	.0017	.0014	.0003	.0003
Stddev	.0007	.0018	.0001	.0003	.0000	.0002	.0002	.0001	.0000
%RSD	84.88	75.20	6.513	142.7	9.290	9.562	16.21	30.55	6.467
#1	.0015	.0009	-.0022	.0002	.0003	.0018	.0013	.0004	.0003
#2	.0002	.0019	-.0021	-.0001	.0003	.0016	.0016	.0002	.0003
#3	.0006	.0045	-.0019	.0005	.0004	.0015	.0013	.0003	.0003
Check ?	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.0020							
Low Limit		-.0020							

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Sample Name: CCB Acquired: 3/22/2016 12:51:22 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2713.1	5175.8	4225.6	4548.4
Stddev	7.6	7.9	152.	35.3
%RSD	.27979	.15326	.35976	.77646
#1	2706.4	5175.7	42111.	4508.8
#2	2711.5	5183.8	42243.	4559.6
#3	2721.3	5168.0	42414.	4576.7

Sample Name: CCV Acquired: 3/22/2016 13:12:52 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	2.552	40.28	1.997	1.998	2.020	40.36	2.023	2.020	2.023
Stddev	.0005	.02	.003	.003	.002	.10	.002	.004	.014
%RSD	.1981	.0540	.1666	.1292	.0883	.2362	.1005	.2073	.7101
#1	.2556	40.26	1.999	2.000	2.018	40.47	2.024	2.024	2.037
#2	.2546	40.27	1.999	1.995	2.020	40.33	2.024	2.020	2.008
#3	.2554	40.30	1.993	2.000	2.021	40.29	2.021	2.016	2.025

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	2.012	39.42	40.19	40.45	2.042	2.012	40.18	2.019	1.974
Stddev	.002	.04	.09	.16	.010	.005	.09	.001	.010
%RSD	.1073	.0985	.2230	.3922	.4925	.2439	.2212	.0659	.4870
#1	2.014	39.46	40.26	40.27	2.052	2.016	40.26	2.021	1.963
#2	2.010	39.40	40.08	40.55	2.032	2.012	40.08	2.018	1.978
#3	2.012	39.39	40.21	40.54	2.042	2.007	40.19	2.019	1.980

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	1.997	2.006	2.479	2.025	2.032	2.031	1.996	2.005	2.014
Stddev	.008	.010	.005	.003	.005	.007	.004	.009	.004
%RSD	.4042	.4870	.1885	.1351	.2408	.3571	.2229	.4223	.2043
#1	2.006	2.017	2.483	2.023	2.030	2.038	1.991	2.013	2.009
#2	1.996	2.000	2.481	2.024	2.028	2.023	1.999	1.996	2.016
#3	1.990	2.001	2.474	2.028	2.037	2.032	1.997	2.006	2.017

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

7.2
7

Sample Name: CCV Acquired: 3/22/2016 13:12:52 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2210.6	4704.2	3837.2	4244.0
Stddev	5.6	12.8	167.	5.1
%RSD	.25377	.27210	.43587	.11972
#1	2216.4	4694.2	38215.	4238.6
#2	2205.2	4699.7	38548.	4244.8
#3	2210.4	4718.6	38353.	4248.7

Sample Name: CCB Acquired: 3/22/2016 13:18:19 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0000	.0012	.0008	.0002	.0002	.0061	.0001	.0002	.0004
Stddev	.000	.0068	.0005	.0002	.0000	.0040	.0000	.0001	.0000
%RSD	372.5	552.0	66.27	101.7	17.15	66.39	16.83	33.65	9.661
#1	-.0001	.0038	.0014	.0000	.0002	.0107	.0002	.0003	.0004
#2	.0001	-.0065	.0003	.0003	.0002	.0032	.0001	.0001	.0003
#3	-.0001	.0064	.0007	.0002	.0001	.0043	.0001	.0002	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0004	.0231	.0403	.0167	.0002	F .0017	.0163	.0002	.0007
Stddev	.0001	.0013	.0125	.0192	.0000	.0003	.0040	.0001	.0006
%RSD	31.14	5.496	31.12	115.4	31.36	14.88	24.61	60.97	80.88
#1	.0003	.0219	.0349	.0254	.0001	.0020	.0162	.0003	.0014
#2	.0006	.0229	.0314	.0300	.0001	.0016	.0204	.0001	.0002
#3	.0004	.0245	.0546	-.0054	.0002	.0016	.0124	.0003	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0003	.0007	-.0008	.0007	.0002	.0015	-.0001	.0002	.0002
Stddev	.0004	.0013	.0003	.0002	.0000	.0001	.0007	.0000	.0000
%RSD	145.7	186.1	35.17	22.34	19.31	4.881	753.1	14.30	17.00
#1	.0001	-.0007	-.0005	.0007	.0003	.0016	-.0002	.0002	.0002
#2	.0000	.0009	-.0011	.0009	.0003	.0014	-.0008	.0002	.0002
#3	.0008	.0019	-.0007	.0006	.0002	.0015	.0007	.0002	.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/22/2016 13:18:19 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2643.5	5015.7	4157.2	4509.6
Stddev	9.8	18.6	84.	38.6
%RSD	.37214	.37014	.20271	.85511
#1	2632.1	4996.5	41532.	4470.3
#2	2649.2	5017.2	41669.	4511.2
#3	2649.1	5033.5	41516.	4547.4

Sample Name: MP30151-MB1 Acquired: 3/22/2016 13:24:14 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.003	0.078	-0.008	0.001	0.000	0.140	0.000	0.000	0.002
Stddev	0.003	0.037	0.002	0.002	0.000	0.020	0.000	0.001	0.003
%RSD	108.5	46.73	20.50	216.3	175.7	14.15	202.1	314.2	132.2
#1	-0.003	0.119	-0.010	-0.001	0.000	0.127	0.000	0.000	0.002
#2	-0.006	0.048	-0.007	0.003	0.000	0.162	0.000	0.001	-0.001
#3	0.000	0.068	-0.007	0.001	0.000	0.129	0.000	0.000	0.005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	0.007	0.115	0.153	0.021	0.001	0.008	0.070	0.001	0.003
Stddev	0.001	0.015	0.139	0.149	0.000	0.002	0.046	0.001	0.003
%RSD	19.15	12.94	91.27	70.94	51.45	27.55	65.32	45.79	86.43
#1	0.007	0.128	0.152	0.129	0.001	0.010	0.065	0.001	0.006
#2	0.005	0.099	0.014	0.119	0.001	0.008	0.118	0.001	0.001
#3	0.007	0.119	0.292	0.382	0.001	0.006	0.027	0.002	0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	0.005	-0.010	0.082	0.009	0.000	0.011	-0.002	-0.001	0.007
Stddev	0.005	0.009	0.006	0.003	0.000	0.002	0.007	0.001	0.000
%RSD	100.9	92.66	6.754	32.28	422.1	13.67	353.0	126.5	2.701
#1	0.010	0.000	0.076	0.010	-0.001	0.013	-0.009	0.000	0.007
#2	0.006	-0.018	0.087	0.011	0.001	0.010	0.002	-0.002	0.007
#3	0.000	-0.011	0.083	0.006	0.000	0.011	0.002	-0.001	0.007

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.2
7

Sample Name: MP30151-MB1 Acquired: 3/22/2016 13:24:14 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2611.8	4970.1	41289.	4403.5
Stddev	13.8	36.8	57.	31.4
%RSD	.52661	.74001	.13752	.71244
#1	2596.9	4938.1	41223.	4368.3
#2	2614.7	4961.9	41324.	4428.5
#3	2623.9	5010.3	41320.	4413.6

Sample Name: MP30151-B1 Acquired: 3/22/2016 13:28:48 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	0.0506	29.74	2.166	2.219	0.0572	27.72	0.0562	0.5578	0.2263
Stddev	0.004	.10	.009	.010	0.002	.14	0.001	0.014	0.008
%RSD	.8627	.3438	.4325	.4615	.4288	.4896	.2592	.2569	.3454
#1	0.0502	29.71	2.157	2.212	0.0569	27.62	0.0560	0.5561	0.2254
#2	0.0507	29.66	2.176	2.214	0.0574	27.66	0.0561	0.5584	0.2267
#3	0.0511	29.85	2.165	2.231	0.0574	27.87	0.0563	0.5587	0.2268

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	0.2853	28.82	27.55	27.80	0.5774	0.5347	27.68	0.5657	0.5278
Stddev	0.009	.14	.15	.10	0.005	0.024	.10	0.007	0.006
%RSD	.3210	.4765	.5557	.3585	.0824	.4578	.3742	.1300	.1194
#1	0.2854	28.73	27.45	27.72	0.5771	0.5319	27.59	0.5648	0.5272
#2	0.2861	28.76	27.48	27.77	0.5779	0.5355	27.65	0.5660	0.5277
#3	0.2843	28.98	27.73	27.91	0.5771	0.5366	27.79	0.5662	0.5285

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	0.5501	2.187	0.298	0.5468	0.5343	0.5454	2.130	0.5261	0.5567
Stddev	0.021	.011	0.003	0.017	0.019	0.012	0.009	0.012	0.009
%RSD	.3807	.5156	1.129	.3057	.3537	.2224	.4387	.2328	.1534
#1	0.5477	2.175	0.294	0.5449	0.5326	0.5444	2.127	0.5269	0.5559
#2	0.5512	2.188	0.299	0.5478	0.5341	0.5450	2.141	0.5247	0.5566
#3	0.5515	2.197	0.301	0.5478	0.5363	0.5468	2.123	0.5266	0.5576

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30151-B1 Acquired: 3/22/2016 13:28:48 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2284.1	4677.3	38177.	4232.4
Stddev	1.8	10.4	102.	18.2
%RSD	.07716	.22256	.26638	.42923
#1	2283.7	4688.6	38262.	4224.6
#2	2282.5	4675.0	38205.	4253.2
#3	2286.0	4668.2	38065.	4219.5

Sample Name: FA32192-1 Acquired: 3/22/2016 13:33:00 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	0.138	-0.012	0.704	0.000	3.829	0.003	0.007	0.004
Stddev	.0006	.0051	.0001	.0004	.000	.0024	.0000	.0001	.0002
%RSD	226.3	37.33	9.842	.6250	131.8	6.208	13.66	14.28	42.85
#1	.0003	.0128	-.0011	.0707	.0000	.3857	.0002	.0008	.0006
#2	-.0001	.0193	-.0011	.0699	.0000	.3815	.0003	.0007	.0002
#3	-.0009	.0091	-.0013	.0706	.0000	.3816	.0003	.0007	.0004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.030	3.023	1.666	0.143	0.018	0.003	F 177.2	0.047	0.015
Stddev	.0002	.0035	.0344	.0258	.0001	.0001	1.2	.0001	.0007
%RSD	5.088	1.163	20.66	180.0	.8700	38.77	.6751	3.012	48.87
#1	.0031	.3059	.1457	.0347	.0120	.0004	177.1	.0048	.0007
#2	.0029	.3022	.1479	.0229	.0118	.0002	178.5	.0046	.0021
#3	.0028	.2989	.2064	-.0147	.0118	.0003	176.1	.0048	.0017
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.012	0.011	0.234	0.010	0.011	0.004	0.000	-0.001	0.0350
Stddev	.0004	.0014	.0006	.0002	.0000	.0001	.000	.0002	.0001
%RSD	30.94	119.6	2.694	25.27	3.778	12.96	793.5	124.2	.2919
#1	.0016	.0008	.0227	.0012	.0011	.0005	.0000	-.0001	.0351
#2	.0008	.0000	.0237	.0008	.0011	.0004	-.0004	-.0003	.0349
#3	.0011	.0026	.0238	.0008	.0011	.0004	.0003	.0000	.0350
Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710					
Avg	2234.6	4509.0	36885.	4259.1					
Stddev	.8	7.1	95.	10.6					
%RSD	.03487	.15837	.25752	.24925					
#1	2235.0	4511.3	36799.	4264.9					
#2	2235.0	4501.0	36869.	4265.6					
#3	2233.7	4514.7	36987.	4246.9					

7.2
7

Sample Name: MP30151-D1 Acquired: 3/22/2016 13:37:42 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	0.000	0.089	-0.013	0.695	0.000	3.749	0.003	0.006	0.002
Stddev	.0001	.0021	.0003	.0008	.000	.0029	.0000	.0000	.0001
%RSD	747.2	24.05	22.19	1.116	344.2	7.479	7.479	8.116	69.39
#1	-.0001	.0080	-.0011	.0686	.0000	.3741	.0003	.0006	.0003
#2	.0000	.0113	-.0012	.0699	.0000	.3724	.0003	.0005	.0000
#3	.0001	.0073	-.0016	.0700	.0000	.3782	.0003	.0006	.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	
Avg	0.029	2.836	2.028	0.244	0.018	0.000	F 177.4	0.048	0.011
Stddev	.0001	.0049	.0274	.0133	.0002	.000	1.8	.0001	.0004
%RSD	4.117	1.711	13.50	54.74	1.276	368.7	1.009	2.482	38.86
#1	.0030	.2782	.2342	.0344	.0117	-.0001	175.5	.0049	.0007
#2	.0030	.2851	.1900	.0295	.0120	.0000	177.9	.0049	.0012
#3	.0028	.2876	.1842	.0092	.0119	.0001	178.9	.0047	.0015
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.013	-0.003	0.239	0.006	0.010	0.000	-0.016	-0.002	0.0351
Stddev	.0006	.0011	.0000	.0002	.0000	.0000	.0007	.0001	.0000
%RSD	48.54	438.0	.1457	34.76	3.922	60.06	46.78	62.28	.0988
#1	.0016	-.0008	.0239	.0004	.0010	.0000	-.0012	-.0003	.0351
#2	.0018	.0010	.0240	.0008	.0009	.0000	-.0024	-.0001	.0352
#3	.0006	-.0010	.0239	.0006	.0010	.0000	-.0011	-.0001	.0351
Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710					
Avg	2253.4	4560.9	37114.	4320.6					
Stddev	2.9	10.9	69.	25.9					
%RSD	.12825	.23825	.18496	.59924					
#1	2252.8	4555.6	37180.	4346.3					
#2	2250.9	4573.4	37119.	4294.5					
#3	2256.6	4553.7	37043.	4320.9					

Sample Name: MP30151-SD1 Acquired: 3/22/2016 13:42:23 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	0.167	0.020	0.661	-0.002	3.746	0.002	0.012	0.002
Stddev	.0003	.0322	.0022	.0010	.0003	.0133	.0001	.0003	.0011
%RSD	83.52	193.2	106.6	1.567	129.1	3.549	56.69	24.96	562.3
#1	-.0001	-.0015	.0003	.0651	-.0001	.3683	.0003	.0009	.0014
#2	-.0003	-.0023	.0044	.0659	-.0005	.3655	.0001	.0011	-.0009
#3	-.0006	.0538	.0014	.0671	.0000	.3898	.0001	.0015	.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.029	2.771	1.998	0.241	0.019	0.007	-0.017	0.052	0.036
Stddev	.0015	.0057	.1196	.0714	.0003	.0004	-.1	.0001	.0024
%RSD	51.23	2.058	59.86	296.8	2.314	21.75	.0513	1.617	66.94
#1	.0045	.2705	.3115	.0081	.0107	-.0013	167.6	.0052	.0016
#2	.0018	.2802	.2144	.0256	.0112	-.0019	167.6	.0053	.0063
#3	.0023	.2806	.0736	-.1059	.0108	-.0018	167.8	.0053	.0030
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.009	-0.005	0.195	0.007	0.009	-0.009	-0.028	-0.005	0.0730
Stddev	.0025	.0006	.0031	.0011	.0003	.0001	.0045	.0008	.0003
%RSD	275.4	112.3	15.80	159.1	33.87	13.80	161.7	164.6	.4360
#1	-.0021	-.0007	.0224	.0004	.0006	-.0007	-.0073	.0004	.0734
#2	-.0026	-.0001	.0198	.0019	.0008	-.0009	-.0028	-.0010	.0728
#3	.0020	-.0011	.0163	-.0002	.0012	-.0010	.0017	-.0008	.0728
Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710					
Avg	2511.8	4884.2	39850.	4381.2					
Stddev	3.6	7.0	108.	19.2					
%RSD	.14468	.14423	.27224	.43937					
#1	2507.7	4879.6	39833.	4393.8					
#2	2514.5	4880.6	39966.	4359.0					
#3	2513.3	4892.3	39751.	4390.7					

Sample Name: MP30151-S1 Acquired: 3/22/2016 13:46:55 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.522	30.27	2.252	2.335	0.578	28.10	0.573	5.615	2.272
Stddev	0.007	.07	.005	.008	.0004	.11	.0001	.0015	.0014
%RSD	1.310	.2368	.2383	.3386	.6726	.3790	.2291	.2633	.6317
#1	.0528	30.19	2.258	2.326	.0574	28.00	.0573	5.628	.2271
#2	.0524	30.31	2.247	2.342	.0580	28.22	.0571	5.599	.2258
#3	.0515	30.31	2.252	2.336	.0580	28.09	.0574	5.618	.2286
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.934	29.41	27.88	27.78	5.386	5.412	F 206.9	5.684	5.386
Stddev	0.006	.07	.07	.09	.0014	.0013	1.1	.0014	.0007
%RSD	.2106	.2545	.2658	.3295	.2450	.2340	.5262	.2548	.1368
#1	.2932	29.34	27.80	27.70	.5831	.5425	206.0	5.690	.5386
#2	.2941	29.49	27.94	27.88	.5810	.5400	206.5	5.668	.5379
#3	.2929	29.41	27.91	27.76	.5837	.5413	208.1	5.695	.5394
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.596	2.303	0.492	5.404	5.348	5.409	2.103	5.250	6.048
Stddev	0.027	.010	.0010	.0016	.0017	.0022	.006	.0026	.0017
%RSD	.4866	.4421	2.126	.2998	.3097	.4047	.2990	.4932	.2893
#1	.5627	2.314	.0504	.5389	.5330	.5411	2.102	.5241	.6040
#2	.5582	2.294	.0483	.5402	.5363	.5386	2.097	.5230	.6036
#3	.5578	2.300	.0491	.5421	.5351	.5429	2.110	.5280	.6068
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2144.8	4517.6	36935.	4128.3					
Stddev	3.2	14.1	171.	16.7					
%RSD	.14735	.31142	.46295	.40444					
#1	2141.9	4501.4	36890.	4146.9					
#2	2148.2	4525.4	37124.	4114.6					
#3	2144.4	4526.1	36790.	4123.3					

Sample Name: MP30151-S2 Acquired: 3/22/2016 13:51:16 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.525	29.91	2.240	2.324	0.570	27.78	0.569	5.577	2.255
Stddev	0.006	.01	.007	.005	.0003	.06	.0001	.0015	.0019
%RSD	1.110	.0383	.3205	.2215	.5284	.1982	.2156	.2728	.8436
#1	.0521	29.90	2.231	2.320	.0567	27.75	.0568	5.560	.2260
#2	.0522	29.92	2.244	2.323	.0570	27.84	.0570	5.581	.2234
#3	.0532	29.91	2.244	2.330	.0573	27.75	.0571	5.589	.2271
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.877	29.09	27.68	27.25	5.830	5.353	F 202.2	5.652	5.351
Stddev	0.003	.05	.07	.11	.0022	.0024	2.4	.0005	.0006
%RSD	.0910	.1600	.2379	.4028	.3776	.4446	1.175	.0914	.1180
#1	.2879	29.03	27.62	27.27	.5851	.5326	202.4	5.647	.5345
#2	.2878	29.12	27.75	27.35	.5807	.5362	204.4	5.651	.5358
#3	.2874	29.10	27.66	27.13	.5831	.5371	199.7	5.657	.5351
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.546	2.291	0.518	5.359	5.281	5.324	2.090	5.226	6.027
Stddev	0.025	.013	.0009	.0004	.0013	.0009	.002	.0018	.0013
%RSD	.4571	.5630	1.645	.0743	.2448	.1677	.0697	.3495	.2166
#1	.5540	2.279	.0527	.5358	.5272	.5329	2.092	.5233	.6012
#2	.5524	2.291	.0516	.5355	.5275	.5313	2.090	.5205	.6035
#3	.5573	2.305	.0510	.5363	.5296	.5328	2.089	.5239	.6034
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2155.1	4544.6	37085.	4188.0					
Stddev	3.6	5.0	145.	14.4					
%RSD	.16566	.11021	.39173	.34324					
#1	2151.5	4550.2	37055.	4183.1					
#2	2155.3	4543.1	37243.	4176.7					
#3	2158.6	4540.5	36957.	4204.2					

Sample Name: FA32293-1L Acquired: 3/22/2016 13:55:38 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.001	1.486	-0.013	0.291	0.000	1.626	-0.001	0.001	0.003
Stddev	.0002	.0080	.0002	.0003	.0001	.0019	.0001	.0000	.0001
%RSD	216.6	5.368	14.53	1.084	289.8	1.182	47.39	58.14	31.90
#1	.0001	.1433	-.0011	.0292	.0000	.1619	-.0001	.0000	.0003
#2	.0003	.1578	-.0013	.0288	.0000	.1648	-.0002	.0001	.0004
#3	-.0001	.1447	-.0015	.0294	.0001	.1611	-.0001	.0001	.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.008	0.339	2.922	0.335	0.026	-0.001	F 159.3	0.002	0.005
Stddev	.0002	.0039	.0160	.0070	.0000	.0001	.6	.0001	.0011
%RSD	23.36	11.43	5.469	20.78	.8645	39.54	.3573	62.02	213.3
#1	.0006	.0382	.2739	.0385	.0026	-.0001	159.9	.0001	.0015
#2	.0009	.0327	.3032	.0366	.0027	-.0002	158.8	.0003	-.0006
#3	.0008	.0308	.2996	.0256	.0027	-.0002	159.2	.0001	.0006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.006	-0.003	0.095	0.006	0.013	0.011	0.002	-0.001	0.008
Stddev	.0008	.0008	.0010	.0001	.0001	.0001	.0009	.0001	.0000
%RSD	136.6	331.4	1.051	11.69	4.840	9.416	379.7	105.3	5.613
#1	-.0003	-.0007	.0983	.0005	.0014	.0010	.0004	.0000	.0008
#2	.0008	-.0008	.1002	.0006	.0013	.0012	.0010	-.0001	.0008
#3	.0012	-.0006	.1001	.0006	.0013	.0011	-.0007	-.0002	.0009
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2287.7	4645.9	37469.	4153.2					
Stddev	3.3	11.6	105.	12.1					
%RSD	.14268	.24957	.28110	.29040					
#1	2290.6	4658.4	37568.	4165.9					
#2	2288.2	4643.6	37479.	4151.7					
#3	2284.2	4635.5	37358.	4141.9					

Sample Name: FA32314-6 Acquired: 3/22/2016 14:00:18 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.539	-0.011	0.055	0.000	80.52	0.000	0.001	0.003
Stddev	.0002	.0025	.0007	.0003	.000	.35	.000	.0001	.0002
%RSD	167.1	4.582	61.24	5.326	155.9	4.358	51.50	98.82	61.62
#1	.0001	.0565	-.0019	.0054	-.0001	80.47	.0000	.0001	.0005
#2	-.0002	.0515	-.0010	.0058	.0000	80.89	.0000	.0000	.0001
#3	-.0002	.0538	-.0005	.0052	.0000	80.20	.0000	.0001	.0004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.007	0.152	2.133	5.449	0.089	0.000	F 161.8	0.001	0.008
Stddev	.0002	.0005	.0108	.0201	.0001	.000	1.5	.0001	.0004
%RSD	34.20	3.458	5.055	3.681	.8916	693.2	.9055	71.15	55.04
#1	.0008	.0156	.2169	.5608	.00				

Sample Name: FA32365-2 Acquired: 3/22/2016 14:04:59 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.0134	-.0013	.0151	-.0001	83.11	-.0001	.0003	.0004
Stddev	.0002	.0087	.0010	.0002	.0000	.44	.0001	.0001	.0001
%RSD	286.0	64.62	73.66	1.644	28.86	.5235	72.95	19.03	19.85
#1	.0001	.0224	-.0017	.0148	-.0001	83.42	.0000	.0003	.0004
#2	-.0001	.0129	-.0002	.0152	.0000	83.29	-.0001	.0002	.0004
#3	.0002	.0051	-.0021	.0152	-.0001	82.61	-.0001	.0004	.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0009	.0368	1.530	8.335	.9197	.0002	F 160.0	.0014	.0003
Stddev	.0003	.0018	.030	.079	.0044	.0000	1.3	.0002	.0003
%RSD	29.31	4.979	1.943	.9518	.4821	28.92	.8413	13.75	98.53
#1	.0011	.0359	1.547	8.388	.9210	.0002	160.9	.0016	.0000
#2	.0010	.0389	1.546	8.373	.9147	.0002	160.7	.0012	.0005
#3	.0006	.0356	1.495	8.243	.9233	.0001	158.5	.0013	.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0006	-.0007	.2824	.0009	.0217	.0010	-.0016	.0001	.0017
Stddev	.0002	.0011	.0030	.0003	.0001	.0001	.0007	.0001	.0001
%RSD	27.26	146.2	1.064	29.56	.5076	8.308	42.32	94.18	6.235
#1	.0005	-.0019	.2813	.0013	.0217	.0009	-.0024	.0002	.0017
#2	.0006	.0001	.2801	.0008	.0216	.0010	-.0011	.0002	.0019
#3	.0008	-.0003	.2858	.0007	.0218	.0011	-.0013	.0000	.0017
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2210.6	4502.1	37069.	4095.7					
Stddev	8.4	12.3	104.	57.7					
%RSD	.38111	.27374	.28036	1.4095					
#1	2220.2	4513.1	37077.	4065.8					
#2	2207.0	4504.3	37168.	4059.0					
#3	2204.5	4488.8	36961.	4162.2					

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Sample Name: CCV Acquired: 3/22/2016 14:09:38 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2569	40.37	2.017	2.019	2.006	40.35	2.056	2.059	2.027
Stddev	.0005	.12	.001	.009	.005	.03	.001	.002	.012
%RSD	.1757	.2878	.0679	.4641	.2368	.0632	.0434	.0744	.6016
#1	.2568	40.50	2.016	2.028	2.009	40.32	2.055	2.058	2.040
#2	.2574	40.31	2.018	2.020	2.008	40.37	2.056	2.060	2.025
#3	.2565	40.30	2.019	2.009	2.000	40.34	2.057	2.060	2.016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.003	39.48	39.91	40.10	2.028	2.046	39.79	2.036	1.978
Stddev	.002	.02	.13	.18	.009	.004	.17	.001	.004
%RSD	.0933	.0589	.3350	.4387	.4550	.1853	.4178	.0708	.2122
#1	2.005	39.50	40.05	40.00	2.038	2.041	39.94	2.034	1.982
#2	2.001	39.49	39.79	39.99	2.026	2.047	39.81	2.035	1.975
#3	2.004	39.45	39.88	40.30	2.020	2.049	39.61	2.037	1.976
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.003	2.033	2.493	2.024	2.001	1.990	1.975	1.985	2.046
Stddev	.003	.003	.004	.000	.006	.005	.001	.007	.004
%RSD	.1551	.1481	.1742	.0105	.3162	.2635	.0729	.3411	.1970
#1	2.005	2.030	2.488	2.025	2.007	1.996	1.974	1.992	2.048
#2	2.003	2.036	2.496	2.024	2.002	1.987	1.974	1.984	2.041
#3	1.999	2.033	2.496	2.024	1.995	1.986	1.976	1.979	2.047
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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7.2
7

Sample Name: CCV Acquired: 3/22/2016 14:09:38 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2217.6	4677.9	38764.	4210.7
Stddev	5.5	9.6	180.	16.6
%RSD	.24596	.20430	.46553	.39366
#1	2215.3	4685.7	38558.	4205.3
#2	2213.7	4667.2	38891.	4229.4
#3	2223.9	4680.7	38844.	4197.6

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Sample Name: CCB Acquired: 3/22/2016 14:13:50 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	.0073	.0004	.0001	.0002	.0053	.0002	.0003	.0002
Stddev	.0003	.0089	.0003	.0003	.0000	.0015	.0000	.0000	.0002
%RSD	128.1	122.7	78.06	305.1	28.40	27.48	10.85	16.12	103.0
#1	-.0006	.0163	.0003	.0001	.0001	.0069	.0002	.0003	.0002
#2	-.0001	.0071	.0008	-.0002	.0002	.0043	.0002	.0003	.0000
#3	.0000	-.0016	.0002	.0004	.0002	.0046	.0001	.0002	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0233	.0282	.0005	.0002	F .0015	.0300	.0003	.0003
Stddev	.0001	.0035	.0083	.0185	.0000	.0004	.0105	.0000	.0002
%RSD	134.8	15.24	29.36	3650.	9.353	29.36	34.91	12.02	63.79
#1	.0000	.0274	.0372	-.0057	.0002	.0020	.0389	.0003	.0006
#2	-.0003	.0215	.0208	.0214	.0002	.0015	.0185	.0003	.0003
#3	-.0001	.0210	.0268	-.0141	.0001	.0011	.0327	.0003	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0001	-.0005	.0003	.0002	.0017	.0011	.0002	.0003
Stddev	.0003	.0009	.0001	.0001	.0000	.0001	.0007	.0001	.0000
%RSD	45.94	1287.	14.16	27.86	8.781	5.441	64.04	53.15	7.678
#1	.0010	.0011	-.0005	.0003	.0002	.0018	.0019	.0001	.0003
#2	.0004	-.0008	-.0004	.0004	.0002	.0017	.0006	.0002	.0003
#3	.0006	-.0001	-.0005	.0003	.0003	.0016	.0008	.0002	.0003
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 3/22/2016 14:13:50 Type: QC
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2652.7	4991.5	4160.3	4381.8
Stddev	9.8	7.0	216.	11.3
%RSD	.36936	.14084	.51821	.25743

#1	2641.6	4999.4	41678.	4385.5
#2	2660.1	4989.0	41771.	4369.1
#3	2656.4	4986.0	41360.	4390.8

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Sample Name: FA32365-3 Acquired: 3/22/2016 14:18:23 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-0.002	0.267	-0.009	0.238	0.000	62.29	-0.001	0.006	0.006
Stddev	0.005	0.079	0.004	0.002	0.000	0.36	0.000	0.000	0.003
%RSD	201.6	29.69	45.49	0.7835	234.2	0.5842	12.33	4.424	42.20

#1	0.003	0.289	-0.010	0.240	0.000	62.58	-0.001	0.006	0.006
#2	-0.005	0.179	-0.004	0.238	0.000	62.41	-0.001	0.006	0.003
#3	-0.005	0.332	-0.012	0.237	-0.001	61.88	-0.001	0.006	0.008

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	0.009	0.476	3.722	6.220	1.054	0.007	146.3	0.025	0.007
Stddev	0.003	0.001	0.12	0.110	0.04	0.001	1.0	0.001	0.003
%RSD	29.23	0.2455	3.200	1.767	3.313	14.72	0.7077	5.783	40.71

#1	0.007	0.477	3.734	6.326	1.053	0.007	147.4	0.025	0.010
#2	0.008	0.475	3.723	6.228	1.051	0.006	145.3	0.023	0.005
#3	0.012	0.475	3.710	6.106	1.058	0.007	146.3	0.026	0.006

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	0.010	0.005	0.2650	0.011	0.145	0.016	-0.014	-0.001	0.003
Stddev	0.006	0.005	0.016	0.002	0.001	0.001	0.018	0.001	0.001
%RSD	63.90	100.6	6.212	22.96	0.9055	6.367	128.6	85.92	1.855

#1	0.016	0.011	0.2648	0.013	0.145	0.017	0.006	0.000	0.037
#2	0.008	0.005	0.2635	0.011	0.147	0.016	-0.030	-0.001	0.037
#3	0.005	0.000	0.2668	0.008	0.144	0.015	-0.019	-0.001	0.036

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2256.0	4532.8	3774.6	4202.4
Stddev	9.9	15.5	169.	18.4
%RSD	.43883	.34164	.44780	.43779

#1	2249.9	4523.0	3778.7	4183.5
#2	2267.5	4550.6	3789.2	4203.5
#3	2250.8	4524.7	3756.1	4220.3

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7.2
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Sample Name: MP30151-D2 Acquired: 3/22/2016 14:23:03 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_3600)	Cr2677 (Y_3600)
Avg	-0.004	0.1474	-0.0015	0.287	0.000	0.1619	-0.001	0.001	0.002
Stddev	0.003	0.020	0.007	0.003	0.000	0.021	0.000	0.000	0.002
%RSD	74.61	1.389	47.77	1.090	158.1	1.306	36.56	57.55	125.5

#1	-0.006	0.1453	-0.007	0.285	0.000	0.1644	-0.001	0.000	0.001
#2	-0.001	0.1494	-0.020	0.290	0.000	0.1609	-0.001	0.001	0.000
#3	-0.003	0.1475	-0.017	0.285	0.000	0.1605	0.000	0.001	0.004

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_3710)	Na5895 (Y_2243)	Ni2316 (In2306)	Pb2203 (In2306)
Avg	0.004	0.243	2.537	0.403	0.026	-0.002	158.4	0.000	0.003
Stddev	0.001	0.024	0.097	0.132	0.000	0.000	1.6	0.001	0.004
%RSD	32.92	9.973	3.835	32.70	1.041	23.66	9.969	231.9	161.7

#1	0.004	0.215	2.426	0.548	0.025	-0.002	158.0	0.000	0.002
#2	0.006	0.257	2.607	0.291	0.026	-0.002	160.1	0.000	-0.001
#3	0.003	0.256	2.579	0.371	0.026	-0.003	157.0	0.002	0.007

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_3710)	Sr4077 (Y_3600)	Ti3349 (In2306)	Ti1908 (Y_3600)	V_2924 (Y_2243)	Zn2062 (Y_2243)
Avg	0.009	-0.004	0.1061	0.007	0.013	0.007	-0.018	0.000	0.011
Stddev	0.006	0.005	0.014	0.003	0.000	0.001	0.010	0.000	0.001
%RSD	70.97	133.1	1.305	46.66	2.697	12.37	53.95	224.1	7.034

#1	0.004	0.002	0.1052	0.005	0.013	0.006	-0.009	0.000	0.011
#2	0.007	-0.006	0.1054	0.011	0.013	0.008	-0.017	-0.001	0.011
#3	0.016	-0.007	0.1077	0.005	0.013	0.007	-0.028	0.000	0.012

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2323.6	4652.7	3871.5	4352.3
Stddev	2.0	7.4	82.	3.9
%RSD	.08512	.15908	.21298	.08852

#1	2321.9	4651.6	3877.2	4348.8
#2	2325.8	4645.9	3862.1	4356.4
#3	2323.1	4660.6	3875.2	4351.6

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Sample Name: MP30151-MB2 Acquired: 3/22/2016 14:27:45 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-0.002	0.095	-0.019	0.001	0.000	0.218	0.000	0.000	0.001
Stddev	0.003	0.039	0.007	0.001	0.001	0.021	0.000	0.001	0.003
%RSD	146.2	41.35	34.28	126.7	303.4	9.786	134.7	784.7	314.6

#1	0.001	0.140	-0.016	0.002	0.001	0.241	0.000	0.001	0.000
#2	-0.004	0.071	-0.015	0.001	0.000	0.215	0.000	0.000	0.004
#3	-0.004	0.073	-0.027	0.000	0.000	0.198	-0.001	-0.001	-0.001

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_3710)	Na5895 (Y_2243)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	0.035	-0.001	1.289	-0.065	0.000	-0.004	141.4	-0.001	0.004
Stddev	0.001	0.010	0.136	0.159	0.000	0.002	1.0	0.001	0.002
%RSD	4.125	1356.	10.56	243.4	61.08	45.84	0.7034	200.6	57.73

#1	0.037	-0.004	1.244	-0.246	0.000	-0.004	142.3	0.000	0.002
#2	0.035	0.010	1.180	-0.003	0.001	-0.002	141.6	-0.002	0.003
#3	0.034	-0.008	1.441	0.053	0.000	-0.006	140.3	0.000	0.006

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	0.010	-0.001	0.189	0.005	0.001	-0.002	-0.019	-0.002	0.034
Stddev	0.017	0.006	0.006	0.003	0.001	0.000	0.012	0.000	0.000
%RSD	169.0	488.9	3.392	55.35	52.12	21.64	63.29	21.26	1.446

#1	-0.009	0.005	0.182	0.002	0.001	-0.001	-0.032	-0.002	0.034
#2	0.016	-0.004	0.189	0.006	0.001	-0.002	-0.009	-0.003	0.034
#3	0.023	-0.005	0.195	0.007	0.002	-0.002	-0.015	-0.002	0.035

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2361.4	4705.3	3859.4	4273.4
Stddev	10.6	9.4	241.	26.1
%RSD	.44887	.19912	.62344	.60969

#1	2368.5	4714.1	3860.2	4270.6
#2	2366.6	4706.3	3834.9	4248.9
#3	2349.2	4695.4	3883.0	4300.8

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Sample Name: MP30151-B2 Acquired: 3/22/2016 14:32:27 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0504	29.40	2.121	2.192	.0553	26.79	.0550	5.454	.2220
Stddev	.0005	.21	.005	.009	.0002	.11	.0001	.0015	.0013
%RSD	1.028	.7086	.2500	.4059	.4323	.3993	.2691	.2839	.5998
#1	.0503	29.53	2.126	2.199	.0554	26.87	.0552	5.471	.2223
#2	.0510	29.16	2.121	2.182	.0551	26.67	.0550	5.440	.2205
#3	.0499	29.51	2.116	2.193	.0555	26.85	.0549	5.451	.2231
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2760	28.33	26.60	26.98	.5502	5.229	F 167.3	5.402	5.106
Stddev	.0006	.15	.09	.21	.0033	.0008	1.9	.0010	.0010
%RSD	.2250	.5236	.3441	.7609	.5928	.1596	1.156	.1914	.2022
#1	.2760	28.40	26.66	27.16	.5495	5.237	168.3	5.414	.5112
#2	.2754	28.16	26.50	26.76	.5474	5.230	165.0	5.397	.5094
#3	.2766	28.43	26.65	27.04	.5538	5.221	168.4	5.396	.5111
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	.5235	2.183	.0328	.5121	.5048	5.123	1.981	5.021	5.539
Stddev	.0017	.003	.0013	.0012	.0015	.0026	.007	.0025	.0009
%RSD	3.212	1.334	3.955	.2261	.3001	.5076	.3405	.5034	1.714
#1	.5223	2.185	.0339	.5134	.5058	5.120	1.988	5.018	.5550
#2	.5254	2.180	.0331	.5119	.5031	5.098	1.974	4.997	.5536
#3	.5227	2.183	.0314	.5111	.5057	5.150	1.982	5.047	.5532
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2245.8	4657.5	3771.6	4060.2					
Stddev	3.8	8.6	180.	28.3					
%RSD	.17032	.18523	.47817	.69708					
#1	2243.7	4648.2	3764.5	4043.5					
#2	2250.2	4665.2	3792.1	4092.8					
#3	2243.4	4659.2	3758.2	4044.2					

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Sample Name: MP30151-MB3 Acquired: 3/22/2016 14:36:50 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	-0.004	-0.007	.0000	.0000	.0162	.0000	.0001	.0002
Stddev	.0002	.0070	.0002	.0001	.000	.0008	.000	.0001	.0003
%RSD	75.49	1855.	29.30	463.4	214.3	4.843	33.62	237.2	113.4
#1	-0.004	-0.032	-0.005	.0001	.0000	.0154	.0000	-0.001	.0000
#2	-0.005	.0076	-0.006	-0.001	.0000	.0163	.0000	.0000	.0002
#3	.0000	-0.055	-0.009	.0001	.0000	.0170	-0.001	.0002	.0005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0005	.0133	.1085	.0024	.0000	-0.0002	F 156.9	.0001	.0001
Stddev	.0001	.0018	.0123	.0145	.0000	.0001	2.3	.0001	.0003
%RSD	28.05	13.67	11.33	611.8	55.62	60.27	1.498	107.2	189.1
#1	.0003	.0151	.1194	.0116	.0001	.0000	154.2	.0000	.0003
#2	.0006	.0114	.0952	.0099	.0000	-0.002	158.6	.0002	-0.002
#3	.0006	.0133	.1109	-0.144	.0000	-0.002	157.8	.0000	.0002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0006	-0.0005	.0213	.0006	.0001	.0001	.0010	-0.0002	.0006
Stddev	.0008	.0012	.0023	.0001	.0001	.0000	.0005	.0001	.0000
%RSD	123.3	244.5	10.89	18.58	66.21	33.15	47.79	41.32	4.439
#1	.0009	-0.005	.0236	.0007	.0001	.0001	.0012	-0.003	.0006
#2	-0.002	.0007	.0189	.0005	.0000	.0001	.0014	-0.001	.0006
#3	.0013	-0.017	.0214	.0006	.0001	.0002	.0005	-0.002	.0006
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2310.3	4608.2	3796.4	4146.1					
Stddev	2.2	10.8	110.	7.5					
%RSD	.09485	.23417	.28886	.17997					
#1	2308.3	4596.4	38088.	4154.7					
#2	2310.0	4617.5	37927.	4141.5					
#3	2312.6	4610.8	37878.	4142.2					

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7.2
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Sample Name: MP30151-B3 Acquired: 3/22/2016 14:41:33 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0505	29.17	2.171	2.210	.0549	26.75	.0560	5.525	2.208
Stddev	.0004	.16	.009	.004	.0003	.19	.0000	.0005	.0019
%RSD	.7510	.5439	.4346	.1811	.4653	.7054	.0609	.0938	.8500
#1	.0505	29.27	2.182	2.213	.0551	26.82	.0560	5.520	2.187
#2	.0501	28.99	2.168	2.206	.0546	26.53	.0561	5.530	2.223
#3	.0509	29.27	2.164	2.211	.0551	26.89	.0560	5.524	2.215
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2799	27.98	26.57	26.43	.5533	5.282	F 182.3	5.489	5.247
Stddev	.0014	.18	.16	.20	.0025	.0010	3.2	.0009	.0011
%RSD	4.884	.6351	.6133	.7646	.4596	.1882	1.761	.1646	.2103
#1	.2809	28.01	26.66	26.46	.5504	5.271	182.2	5.497	5.240
#2	.2784	27.79	26.38	26.22	.5552	5.290	179.1	5.492	5.240
#3	.2805	28.14	26.66	26.62	.5544	5.285	185.5	5.479	5.259
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5295	2.225	.0349	.5228	.5041	5.090	2.022	5.046	5.700
Stddev	.0018	.006	.0009	.0005	.0029	.0006	.011	.0022	.0010
%RSD	.3483	.2720	2.438	.1004	.5780	.1168	.5613	.4447	.1707
#1	.5292	2.227	.0356	.5224	.5058	5.088	2.010	5.020	.5696
#2	.5314	2.230	.0340	.5227	.5008	5.086	2.033	5.059	.5694
#3	.5278	2.219	.0352	.5234	.5058	5.097	2.024	5.060	.5712
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2196.9	4603.2	3776.5	4183.7					
Stddev	4.5	11.5	176.	21.7					
%RSD	.20635	.25018	.46500	.51851					
#1	2192.4	4595.1	37967.	4174.4					
#2	2196.8	4598.0	37663.	4208.5					
#3	2201.4	4616.4	37664.	4168.2					

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Sample Name: MP30149-MB1 Acquired: 3/22/2016 14:45:56 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.008	-0.014	-0.009	-0.006	.0001	.0680	-0.003	.0003	.0004
Stddev	.0008	.0278	.0009	.0005	.0001	.0112	.0002	.0003	.0003
%RSD	90.01	2048.	91.44	74.72	170.5	16.45	82.00	95.00	90.63
#1	-0.017	-0.071	-0.012	-0.001	.0002	.0637	-0.001	.0007	.0000
#2	-0.004	.0289	-0.017	-0.011	-0.001	.0596	-0.002	.0001	.0005
#3	-0.004	-0.0259	.0000	-0.007	.0001	.0806	-0.005	.0002	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0011	.0810	.315						

Sample Name: MP30149-MB1 Acquired: 3/22/2016 14:45:56 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2583.7	4915.3	4079.4	4119.1
Stddev	2.8	8.4	91.	35.3
%RSD	.10892	.17114	.22193	.85717
#1	2586.0	4923.8	4077.8	4107.5
#2	2584.6	4907.0	4071.2	4091.0
#3	2580.6	4915.3	4089.1	4158.7

Sample Name: MP30149-B1 Acquired: 3/22/2016 14:50:30 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0492	30.93	2.167	2.256	.0573	28.63	.0591	F .6001	.2367
Stddev	.0016	.14	.004	.008	.0005	.06	.0007	.0031	.0004
%RSD	3.200	.4415	.1663	.3454	.8591	.2072	1.132	.5152	.1561
#1	.0483	30.86	2.172	2.264	.0577	28.58	.0583	.5968	.2370
#2	.0482	30.84	2.166	2.248	.0574	28.69	.0594	.6005	.2363
#3	.0510	31.09	2.165	2.257	.0567	28.61	.0595	.6030	.2367
Check ? Value Range	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail 5000 20.00%	Chk Pass
Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.2853	30.12	27.78	28.51	.5822	.5532	27.79	5.934	.5318
Stddev	.0035	.11	.12	.10	.0020	.0031	.09	.0024	.0010
%RSD	1.242	.3707	.4218	.3474	.3475	.5595	.3307	.4035	.1877
#1	.2857	29.99	27.91	28.61	.5843	.5505	27.69	.5918	.5322
#2	.2887	30.20	27.75	28.41	.5802	.5526	27.81	.5921	.5307
#3	.2816	30.16	27.68	28.51	.5821	.5566	27.88	.5961	.5325
Check ? Value Range	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.5206	2.213	.0663	F .6100	.5269	.5402	2.143	.5222	F .6319
Stddev	.0103	.021	.0035	.0021	.0001	.0013	.010	.0029	.0034
%RSD	1.976	.9349	5.349	.3524	.0280	.2488	.4500	.5621	.5395
#1	.5089	2.190	.0623	.6094	.5269	.5399	2.144	.5227	.6300
#2	.5250	2.219	.0677	.6081	.5268	.5390	2.133	.5190	.6299
#3	.5280	2.229	.0690	.6123	.5271	.5417	2.152	.5248	.6358
Check ? Value Range	Chk Pass	Chk Pass	None	Chk Fail 5000 20.00%	None	None	Chk Pass	Chk Pass	Chk Fail 5000 20.00%

7.2
7

Sample Name: MP30149-B1 Acquired: 3/22/2016 14:50:30 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2507.0	4869.5	3987.3	4055.5
Stddev	6.0	15.2	236.	20.9
%RSD	.23866	.31172	.59088	.51571
#1	2513.8	4886.6	3962.2	4070.3
#2	2504.8	4857.7	4009.0	4031.6
#3	2502.5	4864.1	3990.8	4064.7

Sample Name: FA31669-2 Acquired: 3/22/2016 14:54:49 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-.0014	574.5	.1077	2.313	.0142	67.72	-.0024	.1176	.8244
Stddev	.0006	1.6	.0065	.010	.0002	.09	.0003	.0003	.0073
%RSD	43.85	.2750	6.003	4.150	1.319	.1387	11.46	.2226	.8835
#1	-.0016	576.2	.1014	2.324	.0141	67.70	-.0021	.1173	.8286
#2	-.0007	573.0	.1073	2.310	.0142	67.63	-.0027	.1175	.8287
#3	-.0019	574.5	.1143	2.306	.0145	67.82	-.0024	.1179	.8160
Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.1968	370.3	29.24	63.05	6.872	.0057	3.983	.6187	.6753
Stddev	.0019	.5	.17	.53	.038	.0005	.003	.0008	.0030
%RSD	.9854	.1436	.5828	.8401	.5541	9.442	.0781	.1222	.4445
#1	.1980	370.1	29.04	62.62	6.873	.0051	3.980	.6182	.6785
#2	.1945	369.8	29.35	62.89	6.909	.0060	3.983	.6196	.6748
#3	.1977	370.9	29.31	63.64	6.833	.0060	3.987	.6183	.6725
Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.0048	-.0034	4.670	.0443	.9043	14.80	.0007	.6964	.6619
Stddev	.0063	.0037	.004	.0006	.0014	.07	.0090	.0043	.0013
%RSD	131.7	107.7	.0902	1.413	.1533	.4437	1250.	.6176	.2034
#1	.0110	-.0004	4.668	.0444	.9049	14.86	-.0057	.6986	.6604
#2	-.0015	-.0023	4.667	.0436	.9052	14.82	.0111	.6991	.6629
#3	.0048	-.0075	4.675	.0448	.9027	14.73	-.0032	.6914	.6625
Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S					
Avg	2420.1	5074.0	4104.5	4217.4					
Stddev	4.5	4.9	254.	19.7					
%RSD	.18577	.09714	.61978	.46728					
#1	2415.5	5073.1	4092.2	4215.8					
#2	2424.5	5079.3	4087.6	4237.9					
#3	2420.2	5069.6	4133.8	4198.6					

Sample Name: MP30149-D1 Acquired: 3/22/2016 14:59:11 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	488.5	.0941	2.211	.0128	62.36	-0.015	.1076	.7358
Stddev	.0015	.5	.0054	.004	.0002	.19	.0002	.0008	.0036
%RSD	271.9	.1083	5.783	.2024	1.658	.3044	15.22	.7663	.4885
#1	-.0005	488.3	.0893	2.208	.0130	62.55	-.0014	.1085	.7334
#2	-.0009	489.1	.0930	2.209	.0126	62.17	-.0014	.1069	.7340
#3	-.0021	488.1	.1000	2.216	.0129	62.36	-.0018	.1073	.7399

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1820	345.5	26.60	56.58	6.573	.0054	3.487	.5303	.6635
Stddev	.0023	.5	.10	.14	.019	.0002	.042	.0024	.0048
%RSD	1.252	.1332	.3854	.2522	.2829	2.825	1.204	.4560	.7165
#1	.1842	346.0	26.72	56.57	6.554	.0053	3.514	.5328	.6670
#2	.1796	345.2	26.55	56.73	6.573	.0053	3.439	.5280	.6581
#3	.1821	345.2	26.54	56.45	6.591	.0056	3.509	.5299	.6653

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0036	.0011	4.606	.0433	.8628	13.14	.0036	.6420	.6112
Stddev	.0025	.0081	.009	.0002	.0020	.03	.0056	.0040	.0001
%RSD	70.85	735.4	.1946	.3669	.2310	.2420	155.3	.6295	.0168
#1	.0020	.0103	4.612	.0432	.8650	13.11	.0031	.6407	.6111
#2	.0023	-.0049	4.596	.0435	.8611	13.13	-.0017	.6387	.6113
#3	.0065	-.0021	4.611	.0433	.8622	13.18	.0095	.6465	.6112

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2422.7	5034.7	41374.	4368.7
Stddev	2.6	14.3	64.	17.4
%RSD	.10681	.28319	.15409	.39851
#1	2425.4	5022.0	41425.	4356.7
#2	2422.4	5032.0	41395.	4360.8
#3	2420.3	5050.1	41303.	4388.7

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Sample Name: CCV Acquired: 3/22/2016 15:03:31 Type: QC
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2539	40.48	1.997	2.025	1.975	39.71	2.067	2.075	2.028
Stddev	.0010	.16	.001	.004	.007	.22	.005	.003	.003
%RSD	.3764	.3995	.0661	.2182	.3811	.5624	.2290	.1534	.1357
#1	.2532	40.36	1.995	2.025	1.971	39.59	2.072	2.078	2.031
#2	.2550	40.66	1.998	2.030	1.984	39.97	2.066	2.075	2.025
#3	.2534	40.42	1.998	2.021	1.970	39.58	2.063	2.072	2.027

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.977	39.26	39.36	39.40	1.992	2.060	39.35	2.026	1.952
Stddev	.007	.21	.15	.28	.005	.000	.16	.006	.004
%RSD	.3682	.5450	.3780	.6994	.2477	.0143	.4126	.3099	.1871
#1	1.975	39.06	39.33	39.15	1.997	2.060	39.37	2.033	1.950
#2	1.971	39.48	39.53	39.69	1.991	2.061	39.50	2.023	1.956
#3	1.985	39.23	39.24	39.36	1.987	2.060	39.17	2.022	1.949

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.970	2.021	2.464	1.996	1.961	1.952	1.941	1.944	2.050
Stddev	.002	.004	.003	.005	.007	.003	.004	.005	.008
%RSD	.1152	.2094	.1330	.2665	.3763	.1318	.2320	.2678	.3936
#1	1.972	2.023	2.466	2.002	1.961	1.952	1.938	1.949	2.059
#2	1.970	2.023	2.465	1.996	1.968	1.950	1.938	1.943	2.046
#3	1.968	2.016	2.460	1.991	1.953	1.955	1.946	1.939	2.044

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2422.7	5034.7	41374.	4368.7
Stddev	2.6	14.3	64.	17.4
%RSD	.10681	.28319	.15409	.39851
#1	2425.4	5022.0	41425.	4356.7
#2	2422.4	5032.0	41395.	4360.8
#3	2420.3	5050.1	41303.	4388.7

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7.2
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Sample Name: CCV Acquired: 3/22/2016 15:03:31 Type: QC
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2240.4	4681.4	38888.	4176.4
Stddev	5.0	10.5	95.	34.9
%RSD	.22206	.22516	.24530	.83602
#1	2238.0	4674.3	38793.	4207.0
#2	2237.1	4676.5	38984.	4138.4
#3	2246.1	4693.6	38886.	4183.9

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Sample Name: CCB Acquired: 3/22/2016 15:07:42 Type: QC
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0083	.0007	.0004	.0002	.0030	.0003	.0004	.0003
Stddev	.0002	.0055	.0009	.0003	.0000	.0027	.0000	.0001	.0003
%RSD	123.7	65.41	124.5	62.62	19.99	88.17	12.83	15.66	103.1
#1	-.0002	.0048	-.0002	.0007	.0003	.0000	.0002	.0005	.0002
#2	-.0000	.0146	.0008	.0004	.0002	.0043	.0002	.0004	.0000
#3	-.0005	.0056	.0016	.0001	.0002	.0048	.0003	.0004	.0006

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0264	.0138	.0048	.0002	F .0017	.0052	.0004	.0005
Stddev	.0002	.0023	.0233	.0004	.0001	.0004	.0031	.0001	.0004
%RSD	119.0	8.670	168.5	8.183	32.52	25.08	60.63	25.44	78.61
#1	.0001	.0290	.0374	.0049	.0003	.0022	.0080	.0003	.0010
#2	-.0003	.0253	-.0091	.0051	.0002	.0016	.0056	.0005	.0002
#3	-.0003	.0249	.0130	.0043	.0001	.0014	.0018	.0003	.0004

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	-.0004	-.0005	.0006	.0003	.0016	.0009	.0002	.0004
Stddev	.0001	.0019	.0002	.0001	.0001	.0001	.0002	.0002	.0001
%RSD	7.863	444.6	35.08	24.73	19.84	5.798	20.94	88.72	20.65
#1	.0017	-.0025	-.0003	.0007	.0002	.0017	.0010	.0002	.0004
#2	.0018	-.0001	-.0005	.0005	.0003	.0016	.0009	.0004	.0003
#3	.0016	.0013	-.0006	.0005	.0004	.0016	.0007	.0000	.0005

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2422.7	5034.7	41374.	4368.7
Stddev	2.6	14.3	64.	17.4
%RSD	.10681	.28319	.15409	.39851
#1	2425.4	5022.0	41425.	4356.7
#2	2422.4	5032.0	41395.	4360.8
#3	2420.3	5050.1	41303.	4388.7

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Sample Name: CCB Acquired: 3/22/2016 15:07:42 Type: QC
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2613.1	4894.4	4083.1	4188.4
Stddev	8.3	4.9	68.	14.4
%RSD	.31946	.09912	.16752	.34393

#1	2609.0	4899.8	40789.	4176.9
#2	2607.5	4890.4	40793.	4183.6
#3	2622.7	4892.9	40909.	4204.6

Sample Name: MP30149-D2 Acquired: 3/22/2016 15:12:15 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	604.5	1067	2.458	0.0152	70.38	-0.0025	1.247	8405
Stddev	.0003	.5	.0074	.006	.0002	.23	.0002	.0002	.0030
%RSD	12.70	.0904	6.975	.2600	1.285	.3321	9.222	.1633	.3589

#1	-0.024	605.1	1149	2.458	.0152	70.57	-0.0025	1.245	8410
#2	-0.021	604.1	1048	2.452	.0151	70.46	-0.0028	1.248	8433
#3	-0.018	604.2	1003	2.465	.0155	70.12	-0.0023	1.249	8373

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(In2306)
Avg	2090	390.1	30.67	65.28	7.125	0.0088	4.093	6.474	7026
Stddev	.0022	.9	.13	.09	.022	.0002	.016	.0009	.0021
%RSD	1.030	.2402	.4177	.1302	.3048	1.862	.3800	.1324	.2967

#1	.2079	391.0	30.81	65.19	7.142	.0089	4.086	6.467	7046
#2	.2114	390.2	30.62	65.35	7.134	.0090	4.082	6.470	7026
#3	.2076	389.2	30.57	65.31	7.101	.0087	4.111	6.483	7004

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.114	0.023	5.177	0.056	0.953	15.57	-0.017	7.268	6881
Stddev	.0015	.0091	.012	.0008	.0052	.09	.0046	.0016	.0029
%RSD	13.23	387.6	.2257	1.666	.5411	.5928	286.2	.2213	.4241

#1	.0117	.0054	5.165	.0506	.9612	15.48	-0.025	7.286	6914
#2	.0127	.0095	5.178	.0498	.9523	15.66	.0032	7.259	6859
#3	.0098	-0.079	5.188	.0515	.9522	15.58	-0.058	7.258	6870

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2409.7	5035.2	41030.	4249.7
Stddev	2.0	3.9	50.	16.4
%RSD	.08238	.07668	.12303	.38575

#1	2408.3	5030.7	41008.	4240.0
#2	2412.0	5036.9	40993.	4240.4
#3	2408.9	5037.8	41087.	4268.6

7.2
7

Sample Name: MP30149-SD1 Acquired: 3/22/2016 15:16:44 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 25.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.0066	603.5	1097	2.457	0.0121	71.23	-0.0021	1.360	8644
Stddev	.0050	1.1	.0154	.009	.0000	.52	.0015	.0029	.0072
%RSD	76.04	.1783	14.03	.3674	.2376	.7233	73.00	2.149	.8287

#1	-0.0087	603.8	1166	2.449	.0121	71.61	-0.0030	1.394	8713
#2	-0.0009	604.4	1204	2.456	.0121	71.42	-0.0031	1.341	8649
#3	-0.0103	602.3	.0921	2.467	.0121	70.64	-0.0003	1.346	8570

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2033	394.2	30.54	64.68	7.239	-0.013	4.068	6.814	6972
Stddev	.0024	1.5	.63	1.22	.036	.0033	.059	.0027	.0087
%RSD	1.163	.3720	2.054	1.886	.4988	249.0	1.444	.4004	1.251

#1	.2059	395.6	31.22	65.81	7.253	.0004	4.131	.6782	6912
#2	.2012	394.5	30.43	64.85	7.266	.0008	4.015	.6827	7072
#3	.2029	392.7	29.98	63.39	7.198	-.0051	4.058	.6832	6933

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0294	0.0058	5.162	0.0522	0.9561	15.61	-0.0026	7.300	9136
Stddev	.0155	.0340	.016	.0053	.0024	.04	.0065	.0114	.0037
%RSD	52.76	587.2	.3135	10.08	.2499	.2651	245.5	1.568	.4030

#1	.0141	-0.0328	5.160	.0487	.9555	15.65	.0029	7.254	9177
#2	.0290	.0187	5.178	.0497	.9588	15.59	-0.0097	7.215	9108
#3	.0451	.0314	5.146	.0582	.9541	15.58	-0.0011	7.430	9122

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2523.2	4924.1	41138.	4270.4
Stddev	4.2	5.5	166.	39.4
%RSD	.16818	.11130	.40344	.92271

#1	2519.4	4930.4	41037.	4247.2
#2	2522.5	4920.6	41048.	4248.1
#3	2527.8	4921.3	41330.	4315.9

Sample Name: MP30149-PS1 Acquired: 3/22/2016 15:21:11 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0470	568.4	1.994	2.582	0.0646	71.02	0.0493	1.687	8590
Stddev	.0018	.8	.0055	.002	.0002	.23	.0003	.0012	.0052
%RSD	3.791	.1409	2.759	.0658	.3741	.3304	.5834	.6851	6.111

#1	.0491	568.1	2.047	2.580	.0644	70.96	.0489	1.700	8554
#2	.0461	569.3	.1938	2.584	.0649	71.28	.0493	1.683	8566
#3	.0459	567.8	1.999	2.581	.0645	70.82	.0495	1.678	8650

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2940	365.7	38.56	65.51	6.815	1.047	13.72	7.115	7107
Stddev	.0013	1.0	.11	.47	.015	.0012	.07	.0016	.0004
%RSD	.4457	.2805	.2884	.7237	.2235	1.102	.5241	.2308	.0512

#1	.2928	365.6	38.59	65.14	6.798	.1033	13.63	7.129	7106
#2	.2938	366.8	38.64	66.04	6.825	.1053	13.77	7.120	7104
#3	.2954	364.7	38.43	65.35	6.823	.1054	13.75	7.097	7111

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.060	0.988	4.704	0.0897	0.9440	14.58	0.0857	7.328	9257
Stddev	.0015	.0123	.003	.0022	.0018	.03	.0070	.0017	.0017
%RSD	1.391	12.41	.0573	2.405	.1872	2.243	8.183	2.271	.1860

#1	.1044	.0943	4.707	.0920	.9455	14.55	.0890	7.311	9276
#2	.1073	.1127	4.701	.0878	.9421	14.60	.0904	7.329	9243
#3	.1063	.0895	4.704	.0893	.9445	14.60	.0777	7.344	9251

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2386.9	5000.4	40946.	4332.7
Stddev	3.4	8.4	79.	24.9
%RSD	.14082	.16760	.19180	.57523

#1	2383.0	4990.8	41017.	4340.4
#2	2389.2	5006.1	40862.	4304.9
#3	2388.4	5004.3	40960.	4352.9

Sample Name: MP30149-S1 Acquired: 3/22/2016 15:25:31 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0452	627.5	1.984	4.514	.0677	95.73	.0503	.6449	1.015
Stddev	.0008	2.6	.019	.010	.0003	.53	.0008	.0015	.006
%RSD	1.766	.4188	.9717	.2117	.5047	.5559	1.596	.2294	.6345
#1	.0459	630.3	1.983	4.523	.0680	96.19	.0500	.6433	1.008
#2	.0453	625.2	1.965	4.504	.0673	95.15	.0512	.6461	1.020
#3	.0443	626.8	2.004	4.514	.0678	95.85	.0496	.6454	1.016
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4739	394.0	55.57	87.71	7.348	.4423	31.47	1.155	1.173
Stddev	.0015	1.9	.32	.75	.032	.0012	.01	.002	.002
%RSD	.3159	.4803	.5819	.8551	.4294	.2807	.0371	.1572	.2079
#1	.4723	396.1	55.61	88.32	7.313	.4430	31.47	1.153	1.172
#2	.4742	392.4	55.87	86.87	7.375	.4409	31.46	1.157	1.176
#3	.4753	393.6	55.23	87.95	7.356	.4430	31.48	1.156	1.171
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0855	1.975	2.500	.4896	1.430	14.30	1.922	1.144	1.489
Stddev	.0025	.021	.004	.0022	.005	.07	.005	.006	.003
%RSD	2.928	1.036	.1502	.4442	.3390	.4625	.2801	.5541	.1729
#1	.0882	1.954	2.499	.4874	1.436	14.23	1.923	1.136	1.486
#2	.0832	1.977	2.504	.4917	1.429	14.37	1.916	1.147	1.489
#3	.0851	1.994	2.497	.4897	1.427	14.31	1.926	1.147	1.491
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2371.2	4961.9	40584.	4304.9					
Stddev	4.6	3.1	212.	48.8					
%RSD	.19404	.06343	.52323	1.1337					
#1	2365.9	4958.2	40815.	4255.4					
#2	2373.5	4963.9	40396.	4352.9					
#3	2374.3	4963.5	40542.	4306.3					

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Sample Name: MP30149-S2 Acquired: 3/22/2016 15:29:48 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0466	615.1	2.052	4.550	.0689	92.98	.0512	.6600	1.038
Stddev	.0014	.5	.008	.002	.0004	.38	.0002	.0009	.009
%RSD	2.981	.0739	.3889	.0527	.5518	.4082	.3771	.1425	.8362
#1	.0482	614.7	2.042	4.550	.0691	92.75	.0512	.6594	1.029
#2	.0460	614.9	2.056	4.553	.0685	93.42	.0514	.6611	1.038
#3	.0456	615.6	2.057	4.548	.0692	92.77	.0510	.6595	1.046
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4727	400.4	54.56	88.15	7.293	.4834	29.76	1.151	1.179
Stddev	.0024	1.0	.08	.54	.050	.0021	.06	.002	.001
%RSD	.4990	.2564	.1437	.6076	.6849	.4410	.1928	.1892	.0861
#1	.4751	399.5	54.48	87.54	7.236	.4811	29.82	1.151	1.178
#2	.4726	400.2	54.64	88.36	7.314	.4854	29.77	1.153	1.180
#3	.4703	401.5	54.55	88.54	7.329	.4836	29.71	1.149	1.179
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.1599	2.025	4.651	.5230	1.420	15.07	1.988	1.169	1.182
Stddev	.0035	.015	.012	.0047	.002	.12	.008	.008	.002
%RSD	2.211	.7137	.2464	.9070	.1662	.8280	.4140	.7131	.1640
#1	.1565	2.009	4.654	.5218	1.422	14.93	1.994	1.160	1.182
#2	.1594	2.030	4.662	.5283	1.418	15.12	1.992	1.171	1.183
#3	.1636	2.036	4.639	.5190	1.418	15.16	1.979	1.177	1.180
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2399.8	5010.8	40938.	4289.4					
Stddev	1.4	6.4	263.	8.1					
%RSD	.05816	.12797	.64292	.18902					
#1	2401.2	5008.9	41241.	4297.2					
#2	2398.4	5005.5	40809.	4290.2					
#3	2399.7	5017.9	40764.	4281.0					

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7.2
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Sample Name: FA31669-6 Acquired: 3/22/2016 15:34:14 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0004	175.5	.0450	.9053	.0035	35.31	-.0012	.0425	.3538
Stddev	.0008	.4	.0020	.0019	.0001	.08	.0003	.0006	.0012
%RSD	199.3	.2500	4.491	2.149	3.430	.2299	26.03	1.426	.3351
#1	-.0004	175.4	.0471	.9037	.0034	35.21	-.0014	.0424	.3548
#2	.0004	175.9	.0431	.9074	.0035	35.33	-.0009	.0419	.3525
#3	-.0012	175.0	.0448	.9047	.0036	35.37	-.0014	.0431	.3540
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1119	151.5	22.03	20.99	2.498	.0019	2.400	.1593	.9192
Stddev	.0008	.2	.11	.19	.009	.0002	.011	.0003	.0013
%RSD	.7065	.1054	.4963	.9009	.3389	10.73	.4454	.1817	.1452
#1	.1128	151.4	22.07	21.00	2.498	.0017	2.390	.1597	.9203
#2	.1116	151.7	21.91	20.80	2.489	.0022	2.400	.1591	.9196
#3	.1113	151.4	22.12	21.18	2.506	.0019	2.411	.1593	.9177
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0067	-.0004	4.464	.0430	.5095	7.248	.0000	.3303	.2540
Stddev	.0006	.0140	.008	.0014	.0009	.013	.005	.0013	.0017
%RSD	8.838	3152.	.1761	3.296	.1750	.1853	10360.	.4043	.6514
#1	.0070	-.0038	4.461	.0434	.5090	7.260	.0052	.3307	.2525
#2	.0071	.0149	4.459	.0414	.5105	7.234	-.0005	.3288	.2538
#3	.0060	-.0124	4.473	.0441	.5089	7.250	-.0048	.3314	.2558
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2537.5	5010.3	42218.	4384.2					
Stddev	4.4	9.2	199.	.8					
%RSD	.17338	.18388	.47116	.01783					
#1	2532.8	4999.7	42033.	4384.8					
#2	2538.3	5014.9	42428.	4383.3					
#3	2541.5	5016.4	42194.	4384.4					

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Sample Name: FA31669-9 Acquired: 3/22/2016 15:38:37 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0017	193.0	.0277	1.337	.0033	53.35	-.0006	.0390	.2990
Stddev	.0008	.1	.0016	.006	.0002	.14	.0002	.0006	.0020
%RSD	48.27	.0433	5.964	4.591	6.408	2651	38.60	1.495	.6643
#1	-.0018	193.1	.0266	1.339	.0033	53.51	-.0004	.0383	.3007
#2	-.0008	193.1	.0296	1.330	.0031	53.30	-.0005	.0393	.2968
#3	-.0025	192.9	.0268	1.342	.0035	53.24	-.0008	.0393	.2995
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1534	149.2	20.17	17.66	4.105	.0031	2.251	1.693	.5216
Stddev	.0014	.3	.13	.03	.014	.0008	.017	.0005	.0021
%RSD	.9256	.2074	.6638	.1960	.3341	24.61	.7509	.3051	.3988
#1	.1525	149.5	20.28	17					

Sample Name: CCV Acquired: 3/22/2016 15:56:02 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2243.4	4623.2	3911.0	4101.9
Stddev	1.4	12.7	81.	42.0
%RSD	.06379	.27501	.20615	1.0252
#1	2242.3	4609.6	39093.	4091.1
#2	2242.8	4625.0	39198.	4148.2
#3	2245.0	4634.8	39040.	4066.2

Sample Name: CCB Acquired: 3/22/2016 16:00:13 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.001	0.030	0.011	0.003	0.002	0.070	0.002	0.004	0.002
Stddev	0.001	0.068	0.009	0.001	0.000	0.027	0.001	0.001	0.000
%RSD	154.5	224.5	79.24	43.84	5.232	38.28	26.14	26.94	22.73
#1	-0.001	-0.030	0.013	0.004	0.002	0.098	0.002	0.004	0.002
#2	-0.001	0.016	0.001	0.002	0.002	0.068	0.001	0.004	0.003
#3	0.001	0.015	0.018	0.002	0.002	0.044	0.002	0.003	0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-0.004	0.240	0.082	0.010	0.002	F_0.015	-0.050	0.003	0.002
Stddev	0.000	0.050	0.133	0.259	0.000	0.004	0.041	0.002	0.004
%RSD	11.09	20.74	163.1	2693.	15.74	25.37	82.50	56.49	245.3
#1	-0.004	0.297	-0.070	0.045	0.002	0.019	-0.013	0.002	0.006
#2	-0.004	0.212	0.135	-0.265	0.002	0.015	-0.043	0.002	-0.003
#3	-0.004	0.211	0.180	0.249	0.002	0.011	-0.095	0.004	0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	0.012	-0.004	-0.003	0.004	0.003	0.013	-0.004	0.003	0.002
Stddev	0.008	0.004	0.001	0.002	0.001	0.001	0.005	0.001	0.000
%RSD	72.76	102.7	42.01	44.67	24.34	9.785	119.9	47.53	13.10
#1	0.020	-0.006	-0.002	0.005	0.002	0.015	0.002	0.003	0.003
#2	0.011	0.001	-0.004	0.003	0.003	0.014	-0.007	0.005	0.003
#3	0.003	-0.008	-0.002	0.003	0.003	0.012	-0.006	0.002	0.002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.2
7

Sample Name: CCB Acquired: 3/22/2016 16:00:13 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2600.7	4837.0	4147.0	4287.8
Stddev	1.2	15.2	93.	22.6
%RSD	.04782	.31484	.22393	.52592
#1	2602.0	4853.4	41432.	4282.7
#2	2599.5	4834.2	41576.	4312.4
#3	2600.7	4823.4	41402.	4268.2

Sample Name: FA31669-21 Acquired: 3/22/2016 16:04:46 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-0.015	419.1	0.608	2.277	0.099	38.06	-0.043	0.091	0.5870
Stddev	0.010	.4	0.033	0.02	0.003	.19	0.005	0.010	0.041
%RSD	66.01	0.870	5.350	1.067	2.960	4.906	12.65	9.909	6.924
#1	-0.024	418.7	0.570	2.275	0.101	38.15	-0.038	0.103	0.5823
#2	-0.015	419.3	0.626	2.279	0.095	38.18	-0.049	0.086	0.5897
#3	-0.005	419.3	0.628	2.276	0.100	37.85	-0.042	0.085	0.5890

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	0.860	277.8	30.58	34.92	3.563	0.084	3.077	0.4516	6.560
Stddev	0.019	.1	.18	.17	.010	0.007	.053	0.012	.014
%RSD	.2140	.0414	.5879	.4769	.2908	8.114	1.726	.2587	.2065
#1	.8964	277.6	30.38	34.77	3.552	.092	3.051	.4515	6.573
#2	.8939	277.8	30.66	35.10	3.572	.082	3.139	.4527	6.546
#3	.8976	277.8	30.71	34.88	3.564	.078	3.043	.4504	6.562

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_2243)	Zn2062 (Y_2243)
Avg	0.107	0.006	3.497	0.437	0.3846	11.26	-0.064	0.5831	0.5542
Stddev	0.013	0.033	0.11	0.005	0.014	.01	0.063	0.015	0.023
%RSD	12.27	510.6	.3161	1.131	.3733	.1193	99.94	.2518	.4232
#1	0.121	0.027	3.508	0.440	0.3834	11.24	-0.135	0.5833	0.5569
#2	0.095	0.024	3.497	0.431	0.3862	11.27	-0.040	0.5844	0.5532
#3	0.105	-0.031	3.486	0.439	0.3844	11.27	-0.015	0.5815	0.5526

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2451.2	4967.2	41244.	4267.1
Stddev	5.9	16.3	230.	5.9
%RSD	.23909	.32862	.55828	.13780
#1	2444.7	4949.7	41431.	4260.6
#2	2453.0	4970.0	40987.	4272.0
#3	2456.0	4982.0	41314.	4268.7

Sample Name: FA31669-24 Acquired: 3/22/2016 16:09:08 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0035	381.0	0.0537	1.575	0.0097	39.41	-0.0043	0.0865	0.5600
Stddev	0.0016	.7	0.0051	0.003	0.0001	.20	0.0004	0.0001	0.0015
%RSD	46.89	.1754	9.402	.2124	1.431	4.990	8.706	0.798	2.759
#1	-0.0053	381.4	0.0492	1.571	0.0095	39.61	-0.0046	0.0865	0.5610
#2	-0.0029	381.5	0.0592	1.576	0.0097	39.21	-0.0039	0.0865	0.5607
#3	-0.0022	380.3	0.0529	1.578	0.0097	39.42	-0.0043	0.0866	0.5582
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	1.083	270.4	25.22	35.82	3.107	0.073	2.860	0.3726	3.712
Stddev	0.004	.1	0.08	0.06	0.007	0.004	0.045	0.012	0.003
%RSD	.3659	0.380	.3356	.1789	.2241	5.006	1.570	.3096	.0717
#1	1.081	270.5	25.32	35.89	3.107	0.071	2.888	0.3736	3.713
#2	1.080	270.4	25.19	35.80	3.115	0.071	2.882	0.3714	3.709
#3	1.087	270.3	25.16	35.76	3.101	0.078	2.808	0.3730	3.715
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.130	-0.1017	5.427	0.0458	0.4079	11.15	-0.0064	0.5315	0.4885
Stddev	0.0042	0.0068	0.009	0.0009	0.0011	0.02	0.0043	0.0022	0.0012
%RSD	32.12	63.46	.1617	1.994	2.785	.1920	66.81	4.150	2.442
#1	0.176	-0.1111	5.432	0.0468	0.4078	11.16	-0.0098	0.5292	0.4889
#2	0.118	-0.0037	5.416	0.0451	0.4091	11.13	-0.0016	0.5336	0.4871
#3	0.0095	-0.172	5.431	0.0454	0.4068	11.17	-0.0078	0.5315	0.4894
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2461.2	4941.8	40666.	4175.3					
Stddev	1.2	5.8	53.	24.8					
%RSD	.04789	.11664	.13107	.59395					
#1	2460.0	4935.2	40649.	4148.7					
#2	2461.3	4944.2	40624.	4197.7					
#3	2462.3	4945.9	40726.	4179.4					

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Sample Name: FA31669-25 Acquired: 3/22/2016 16:13:29 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0030	365.8	0.0559	1.703	0.0093	34.03	-0.0046	0.1029	0.5836
Stddev	0.0009	.9	0.0026	0.005	0.0004	.12	0.0003	0.0006	0.0027
%RSD	29.57	.2415	4.643	.2779	4.520	.3429	6.759	.5656	4.572
#1	-0.0026	364.9	0.0535	1.698	0.0091	34.13	-0.0049	0.1028	0.5815
#2	-0.0024	365.6	0.0556	1.708	0.0091	33.90	-0.0046	0.1024	0.5866
#3	-0.0041	366.7	0.0587	1.703	0.0098	34.05	-0.0043	0.1036	0.5826
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	0.3441	270.8	25.91	30.86	3.266	0.071	3.157	0.3588	0.5661
Stddev	0.0014	.8	0.12	0.20	0.009	0.010	0.014	0.002	0.0028
%RSD	.3965	.3080	.4467	.6463	.2615	13.90	4.340	.0673	.4983
#1	0.3427	270.5	26.03	30.82	3.264	0.060	3.164	0.3590	0.5583
#2	0.3454	270.2	25.91	30.68	3.276	0.079	3.142	0.3586	0.5530
#3	0.3442	271.8	25.80	31.07	3.259	0.075	3.167	0.3589	0.5569
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.0077	-0.0081	7.774	0.0442	0.4220	12.49	-0.0016	0.5856	0.4051
Stddev	0.0032	0.0072	0.005	0.0006	0.0012	0.04	0.0077	0.0013	0.0017
%RSD	41.94	88.62	0.703	1.374	2.743	.3338	4.797	2.269	4.087
#1	0.0040	-0.0163	7.768	0.0436	0.4209	12.44	0.002	0.5845	0.4049
#2	0.0090	-0.0038	7.775	0.0441	0.4218	12.52	0.0050	0.5871	0.4035
#3	0.0101	-0.0041	7.779	0.0448	0.4232	12.51	-0.0100	0.5852	0.4068
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2461.7	4981.6	41702.	4276.8					
Stddev	2.4	11.6	130.	21.0					
%RSD	.09768	.23335	.31268	.49114					
#1	2464.4	4969.8	41784.	4265.1					
#2	2461.1	4993.0	41552.	4301.0					
#3	2459.7	4982.0	41771.	4264.2					

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Sample Name: FA31669-26 Acquired: 3/22/2016 16:17:50 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0021	381.7	0.0582	2.049	0.104	30.11	-0.0044	0.1093	0.6222
Stddev	0.0011	2.3	0.0039	0.021	0.0001	.11	0.0001	0.0004	0.0028
%RSD	53.29	.5916	6.666	1.013	.7434	3.561	1.260	3.436	4.427
#1	-0.0019	382.5	0.0557	2.070	0.105	30.08	-0.0043	0.1094	0.6242
#2	-0.0011	379.1	0.0562	2.029	0.103	30.01	-0.0044	0.1097	0.6234
#3	-0.0032	383.4	0.0627	2.049	0.104	30.22	-0.0044	0.1089	0.6191
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.960	281.5	25.05	32.02	3.712	0.061	3.160	0.3714	2.412
Stddev	0.0010	1.4	0.11	0.42	0.020	0.003	0.027	0.0005	0.0064
%RSD	.5146	.4980	.4502	1.308	.5468	5.173	8.449	1.351	2.635
#1	1.951	281.8	24.94	31.72	3.729	0.060	3.155	0.3716	2.348
#2	1.959	279.9	25.03	31.83	3.719	0.064	3.137	0.3718	2.475
#3	1.971	282.6	25.17	32.50	3.690	0.058	3.189	0.3708	2.413
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.0004	-0.0031	3.952	0.0445	0.3882	11.80	-0.0057	0.5939	0.3431
Stddev	0.0062	0.0074	0.007	0.0015	0.0017	0.04	0.0032	0.0027	0.0010
%RSD	146.1	238.1	.1699	3.405	4.417	2.997	55.70	4.559	2.773
#1	-0.0069	-0.0004	3.956	0.0459	0.3885	11.81	-0.0021	0.5929	0.3433
#2	0.0055	0.0026	3.957	0.0449	0.3864	11.83	-0.0070	0.5970	0.3440
#3	0.0001	-0.0115	3.945	0.0429	0.3897	11.76	-0.0080	0.5919	0.3421
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2463.1	5042.4	42057.	4370.9					
Stddev	3.7	7.6	272.	28.3					
%RSD	.14995	.15102	.64601	.64854					
#1	2459.2	5035.1	41825.	4353.7					
#2	2466.5	5041.9	41990.	4403.6					
#3	2463.6	5050.3	42356.	4355.4					

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Sample Name: FA31669-29 Acquired: 3/22/2016 16:22:11 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0025	365.6	0.0586	1.317	0.0089	26.57	-0.0035	0.0823	0.5669
Stddev	0.0006	1.5	0.0007	0.002	0.0001	.08	0.0002	0.0006	0.0017
%RSD	25.64	4.067	1.139	1.198	1.013	2.936	4.752	7.760	2.919
#1	-0.0018	364.0	0.0588	1.319	0.0089	26.48	-0.0035	0.0824	0.5686
#2	-0.0028	366.7	0.0578	1.315	0.0089	26.60	-0.0037	0.0816	0.5653
#3	-0.0029	366.3	0.0591	1.317	0.0090	26.63	-0.0033	0.0829	0.5670
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.437	239.1	28.43	31.93	2.438	0.050	3.316	0.3487	1.667
Stddev	0.004	1.2	0.17	0.04	0.009	0.005	0.073	0.0014	0.005
%RSD	.2811	.4885							

Sample Name: FA31670-2 Acquired: 3/22/2016 16:26:31 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.019	357.2	0.486	1.636	0.086	35.08	-0.033	0.080	5.368
Stddev	0.004	1.0	0.034	0.005	0.001	12	0.003	0.002	0.018
%RSD	19.93	2.861	7.053	2.930	1.155	3.557	9.442	1.790	3.383
#1	-0.016	357.4	0.452	1.635	0.084	35.19	-0.036	0.085	5.355
#2	-0.019	358.1	0.521	1.641	0.086	35.10	-0.033	0.080	5.360
#3	-0.023	356.1	0.485	1.632	0.086	34.94	-0.030	0.081	5.389
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.154	241.6	21.42	32.49	3.223	0.049	2.692	3.854	7.410
Stddev	0.02	8	10	17	0.05	0.002	0.014	0.013	0.007
%RSD	1.570	3.264	4.760	5.104	1.476	4.420	5.222	3.486	0.958
#1	1.152	241.9	21.51	32.35	3.226	0.048	2.708	3.842	7.403
#2	1.155	242.1	21.44	32.67	3.218	0.051	2.687	3.869	7.410
#3	1.155	240.7	21.31	32.46	3.227	0.047	2.681	3.852	7.417
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.042	-0.072	4.371	0.032	3.708	9.999	-0.044	4.732	5.012
Stddev	0.015	0.035	0.006	0.006	0.010	0.22	0.023	0.008	0.004
%RSD	35.15	48.06	1.310	1.441	2.601	2.163	53.41	1.667	0.751
#1	0.059	-0.090	4.368	0.036	3.703	9.988	-0.068	4.737	5.014
#2	0.035	-0.032	4.377	0.035	3.719	9.985	-0.042	4.723	5.007
#3	0.032	-0.094	4.367	0.036	3.702	10.02	-0.021	4.736	5.014
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2501.7	4968.7	4186.8	4312.0					
Stddev	4.2	3.5	36	30.2					
%RSD	1.6691	0.7144	0.8671	0.7084					
#1	2501.8	4966.2	4186.2	4308.5					
#2	2505.8	4972.8	4190.6	4283.6					
#3	2497.4	4967.1	4183.5	4343.8					

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Sample Name: FA31670-5 Acquired: 3/22/2016 16:30:52 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.035	408.7	0.582	1.857	0.107	20.32	-0.045	0.109	6.427
Stddev	0.014	1.4	0.023	0.014	0.003	0.4	0.003	0.006	0.053
%RSD	39.14	3.434	3.926	7.331	2.426	1.769	6.321	5.576	8.323
#1	-0.024	407.2	0.609	1.842	0.104	20.28	-0.048	0.104	6.365
#2	-0.032	410.0	0.567	1.868	0.109	20.36	-0.043	0.105	6.457
#3	-0.051	408.8	0.572	1.861	0.107	20.32	-0.043	0.104	6.459
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.183	295.8	26.61	32.43	3.095	0.075	3.187	4.060	7.080
Stddev	0.025	1.0	0.05	0.31	0.017	0.004	0.058	0.011	0.006
%RSD	1.381	3.404	1.957	9.426	5.361	5.214	1.830	2.727	0.798
#1	1.183	295.2	26.56	32.23	3.078	0.072	3.133	4.047	7.079
#2	1.183	297.0	26.66	32.78	3.098	0.075	3.249	4.063	7.086
#3	1.194	295.2	26.60	32.27	3.110	0.079	3.180	4.069	7.075
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.073	-0.031	4.796	0.045	2.625	12.80	-0.073	6.290	3.522
Stddev	0.025	0.008	0.002	0.001	0.018	0.1	0.036	0.036	0.009
%RSD	34.50	27.87	0.051	1.957	6.745	1.070	49.75	5.713	2.514
#1	0.097	-0.097	4.797	0.048	2.609	12.79	-0.080	6.255	3.525
#2	0.047	-0.064	4.793	0.046	2.644	12.80	-0.106	6.287	3.512
#3	0.075	-0.068	4.798	0.045	2.623	12.81	-0.034	6.327	3.529
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2466.3	5025.5	4230.3	4402.2					
Stddev	3.3	12.5	76	4.6					
%RSD	1.3256	2.4879	1.8083	1.0347					
#1	2464.3	5021.1	4238.5	4397.1					
#2	2464.4	5015.8	4223.4	4403.8					
#3	2470.0	5039.6	4228.9	4405.8					

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7.2
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Sample Name: FA31670-6 Acquired: 3/22/2016 16:35:13 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.038	411.1	0.544	1.702	0.104	19.54	-0.045	0.104	6.440
Stddev	0.017	1.7	0.051	0.008	0.003	13	0.004	0.007	0.047
%RSD	43.97	4.200	9.405	4.621	2.520	6.779	8.330	6.430	7.269
#1	-0.051	409.5	0.486	1.697	0.106	19.40	-0.049	0.105	6.484
#2	-0.019	412.9	0.562	1.711	0.101	19.66	-0.043	0.105	6.391
#3	-0.043	410.8	0.584	1.699	0.105	19.57	-0.043	0.103	6.446
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.622	271.8	24.91	30.83	2.614	0.046	3.222	4.143	4.230
Stddev	0.004	1.1	21	30	0.09	0.004	0.039	0.004	0.050
%RSD	2.366	3.902	8.422	9.574	3.626	8.936	1.216	1.076	1.193
#1	1.621	271.0	24.92	30.49	2.623	0.050	3.214	4.142	4.282
#2	1.626	273.0	25.11	31.04	2.605	0.045	3.265	4.148	4.227
#3	1.618	271.3	24.69	30.95	2.615	0.042	3.187	4.139	4.181
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.051	-0.057	2.593	0.041	2.542	11.55	-0.041	5.743	3.257
Stddev	0.026	0.036	0.001	0.010	0.007	0.05	0.004	0.046	0.005
%RSD	51.62	62.08	0.404	2.351	2.706	4.457	10.32	8.039	1.507
#1	0.078	-0.059	2.594	0.040	2.549	11.60	-0.038	5.768	3.253
#2	0.025	-0.021	2.593	0.046	2.543	11.49	-0.038	5.690	3.255
#3	0.050	-0.093	2.592	0.046	2.535	11.56	-0.045	5.771	3.262
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2472.3	5020.7	4232.3	4417.2					
Stddev	2.0	7.9	168	12.4					
%RSD	0.8213	1.5751	3.9606	2.8000					
#1	2470.3	5014.4	4215.1	4422.9					
#2	2474.4	5018.1	4248.6	4403.1					
#3	2472.3	5029.6	4233.2	4425.8					

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Sample Name: FA31670-9 Acquired: 3/22/2016 16:39:33 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.025	634.2	0.743	4.960	0.157	62.32	-0.038	0.172	9.271
Stddev	0.011	19.1	0.020	0.150	0.007	1.97	0.014	0.010	0.061
%RSD	44.43	3.018	2.731	3.024	4.518	3.167	37.48	6.157	6.593
#1	-0.013	612.1	0.724	4.787	0.149	60.05	-0.022	0.156	9.204
#2	-0.034	646.3	0.740	5.045	0.160	63.67	-0.044	0.177	9.286
#3	-0.027	644.2	0.764	5.048	0.162	63.23	-0.049	0.157	9.324
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.781	429.7	33.49	48.14	10.84	0.102	4.412	6.568	

Sample Name: FA31670-12 Acquired: 3/22/2016 16:44:10 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.017	432.1	0.067	3.086	0.111	67.24	-0.017	1.194	6.284
Stddev	0.006	.8	.0041	.005	.0002	.19	.0000	.0005	.0019
%RSD	36.47	.1933	6.699	.1706	2.015	.2832	.9678	.4099	.3047
#1	-0.022	432.5	.0580	3.092	.0114	67.03	-0.017	1.198	6.266
#2	-0.010	432.7	.0588	3.086	.0110	67.30	-0.018	1.195	6.304
#3	-0.020	431.1	.0654	3.082	.0109	67.39	-0.018	1.188	6.281
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.843	308.2	27.10	32.91	6.426	0.077	3.351	4.160	1.720
Stddev	.004	.3	.04	.12	.006	.0008	.034	.0016	.007
%RSD	.2415	.0827	.1432	.3496	.0918	10.09	1.005	.3825	.4221
#1	1.840	308.1	27.06	32.83	6.420	.0069	3.379	.4167	1.717
#2	1.848	308.5	27.10	32.86	6.431	.0080	3.314	.4171	1.728
#3	1.840	308.1	27.14	33.04	6.428	.0084	3.359	.4142	1.714
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.076	0.026	7.157	0.471	7.417	12.54	-0.048	6.423	9.666
Stddev	.0046	.0066	.018	.0005	.0015	.01	.0031	.0009	.0032
%RSD	60.30	250.6	.2446	1.070	.1976	.1012	63.58	1.374	.3329
#1	.0104	.0096	7.148	.0471	.7427	12.53	-.0054	6.429	9.701
#2	.0023	-.0036	7.177	.0466	.7424	12.55	-.0015	6.413	9.638
#3	.0100	.0020	7.147	.0476	.7400	12.54	-.0075	6.427	9.660
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2458.3	5006.8	42333.	4409.4					
Stddev	3.7	4.5	97.	6.3					
%RSD	.14869	.09041	.23010	.14309					
#1	2458.6	5010.0	42432.	4408.1					
#2	2454.6	5001.6	42238.	4416.3					
#3	2461.8	5008.7	42330.	4403.9					

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Sample Name: CCV Acquired: 3/22/2016 16:48:28 Type: QC
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.514	40.46	2.004	2.052	1.945	38.65	2.067	2.101	1.970
Stddev	.0011	.05	.003	.007	.002	.17	.007	.008	.004
%RSD	.4332	.1216	.1532	.3296	.1212	.4309	.3535	.3868	.1840
#1	.2526	40.45	2.000	2.050	1.943	38.67	2.059	2.092	1.971
#2	.2508	40.41	2.005	2.046	1.948	38.81	2.072	2.106	1.965
#3	.2507	40.51	2.006	2.059	1.944	38.48	2.071	2.105	1.972
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.971	38.82	38.49	37.98	1.920	2.093	38.80	2.018	1.906
Stddev	.004	.05	.12	.24	.005	.008	.04	.006	.001
%RSD	.2249	.1181	.3153	.6431	.2696	.3827	.1037	.2953	.0620
#1	1.976	38.78	38.49	37.90	1.920	2.083	38.81	2.011	1.907
#2	1.969	38.87	38.61	38.26	1.915	2.097	38.83	2.021	1.906
#3	1.968	38.81	38.37	37.79	1.926	2.097	38.76	2.021	1.905
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.985	2.055	2.487	1.961	1.923	1.887	1.894	1.878	2.004
Stddev	.004	.006	.005	.004	.002	.005	.005	.006	.007
%RSD	.2270	.2855	.1954	.2320	.0964	.2515	.2735	.3073	.3484
#1	1.985	2.059	2.484	1.956	1.923	1.890	1.900	1.877	1.996
#2	1.989	2.057	2.493	1.965	1.924	1.882	1.895	1.872	2.005
#3	1.980	2.048	2.485	1.962	1.920	1.891	1.889	1.884	2.010
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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7.2
7

Sample Name: CCV Acquired: 3/22/2016 16:48:28 Type: QC
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2262.8	4644.1	39951.	4264.0
Stddev	4.4	12.0	99.	18.4
%RSD	.19564	.25934	.24794	.43232
#1	2262.2	4657.9	39843.	4255.8
#2	2258.7	4635.6	39971.	4251.0
#3	2267.5	4638.8	40038.	4285.1

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Sample Name: CCB Acquired: 3/22/2016 16:52:39 Type: QC
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.064	0.008	0.004	0.003	0.058	0.002	0.003	0.003
Stddev	.0003	.0048	.0002	.0002	.0001	.0042	.0000	.0001	.0001
%RSD	524.6	74.47	28.68	36.70	15.84	71.35	18.48	24.08	30.62
#1	-0.002	.0104	.0011	.0006	.0003	.0018	.0002	.0002	.0004
#2	-0.002	.0077	.0007	.0003	.0004	.0057	.0002	.0004	.0003
#3	.0003	.0011	.0008	.0004	.0003	.0101	.0003	.0004	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.006	0.239	0.261	-0.028	0.003	0.018	0.038	0.003	0.001
Stddev	.0000	.0024	.0320	.0163	.0000	.0004	.0071	.0000	.0003
%RSD	1.707	9.978	122.4	575.7	12.66	20.99	184.1	7.636	370.7
#1	-0.006	.0230	.0029	.0150	.0003	.0021	.0050	.0003	-.0002
#2	-0.006	.0266	.0627	-.0170	.0002	.0018	-.0037	.0003	.0004
#3	-0.006	.0221	.0128	-.0064	.0002	.0014	.0102	.0003	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-.0010			
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.004	0.001	-0.004	0.006	0.002	0.012	0.004	0.002	0.003
Stddev	.0005	.0009	.0003	.0002	.0001	.0001	.0007	.0001	.0000
%RSD	127.3	1650.	71.70	43.50	23.28	6.945	159.0	68.56	11.60
#1	.0000	.0007	-.0002	.0005	.0002	.0013	.0013	.0004	.0004
#2	.0009	-.0010	-.0007	.0004	.0003	.0013	.0001	.0001	.0003
#3	.0003	.0005	-.0002	.0009	.0002	.0011	.0000	.0001	.0003
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 3/22/2016 16:52:39 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2622.1	4819.0	4156.6	4277.5
Stddev	6.0	9.0	112.	20.1
%RSD	.22832	.18761	.27043	.47020

#1	2620.2	4815.2	41685.	4287.7
#2	2617.4	4829.3	41462.	4254.3
#3	2628.9	4812.5	41550.	4290.3

Sample Name: FA31670-15 Acquired: 3/22/2016 16:57:12 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.018	536.7	0.000	4.695	0.052	58.52	-0.037	1.358	0.853
Stddev	.0012	2.3	.0031	.025	.0004	.04	.0006	.0005	.0033
%RSD	67.98	4.283	3.909	.5230	2.590	.0605	15.27	.3450	.3843

#1	-0.030	534.1	.0785	4.676	.0149	58.48	-0.031	1.361	.8556
#2	-0.018	537.5	.0836	4.723	.0157	58.55	-0.043	1.353	.8490
#3	-0.006	538.5	.0779	4.687	.0152	58.53	-0.037	1.361	.8524

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	6.112	419.3	28.88	42.28	8.441	0.156	4.727	5.145	1.710
Stddev	.0031	1.8	.11	.28	.031	.0008	.023	.0017	.006
%RSD	.5150	.4234	.3967	.6720	.3653	4.898	.4916	.3275	.3331

#1	.6100	417.4	28.75	42.01	8.475	.0165	4.711	5.163	1.714
#2	.6147	419.7	28.92	42.25	8.414	.0150	4.715	5.130	1.712
#3	.6088	420.8	28.96	42.58	8.434	.0154	4.753	5.142	1.703

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.063	-0.0122	0.400	0.0647	0.8956	13.52	-0.012	0.8801	0.4595
Stddev	.0046	.0103	.006	.0020	.0048	.02	.0077	.0038	.0015
%RSD	73.69	84.44	.1591	3.037	.5360	.1258	656.7	.4319	.3271

#1	.0027	-0.0103	4.036	.0665	.8903	13.53	.0046	.8838	.4612
#2	.0115	-0.0232	4.037	.0626	.8971	13.52	.0018	.8803	.4592
#3	.0047	-0.0029	4.048	.0650	.8995	13.50	-0.0100	.8762	.4582

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2429.8	5032.9	4233.6	4357.8
Stddev	.9	2.8	59.	11.9
%RSD	.03706	.05482	.13956	.27349

#1	2430.7	5030.5	42277.	4369.5
#2	2428.9	5032.2	42395.	4358.3
#3	2429.8	5035.9	42334.	4345.7

7.2
7

Sample Name: FA31670-18 Acquired: 3/22/2016 17:01:33 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.014	337.8	0.0448	2.512	0.0077	151.8	-0.011	0.0897	0.5104
Stddev	.0015	1.5	.0019	.013	.0003	.7	.0002	.0007	.0012
%RSD	106.3	4542	4.249	5.226	3.492	4.370	14.51	.7727	2.340

#1	-0.014	338.3	0.0440	2.507	0.0080	152.0	-0.0099	0.0895	0.5118
#2	.0001	339.0	0.0434	2.527	0.0076	152.2	-0.012	0.0891	0.5097
#3	-0.029	336.0	0.0470	2.503	0.0075	151.0	-0.012	0.0905	0.5097

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.597	244.7	19.13	34.76	6.518	0.077	3.295	3.442	1.846
Stddev	.0005	1.1	.17	.13	.007	.0001	.016	.0017	.011
%RSD	.1843	.4316	.8869	.3752	.1102	1.590	4.862	.5036	.5769

#1	.2602	245.1	19.29	34.82	6.522	.0076	3.301	.3422	1.834
#2	.2594	245.6	19.14	34.85	6.510	.0078	3.276	.3451	1.850
#3	.2594	243.6	18.95	34.61	6.522	.0076	3.306	.3452	1.854

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0048	-0.0032	2.554	0.0472	1.045	9.968	-0.0031	5.437	0.4265
Stddev	.0024	.0054	.007	.0019	.004	.009	.0034	.0007	.0016
%RSD	50.39	170.5	.2900	3.997	.3657	.0928	110.0	.1224	.3705

#1	.0048	-0.0055	2.552	0.0469	1.045	9.967	-0.0032	5.437	0.4248
#2	.0073	.0030	2.548	0.0455	1.048	9.959	.0004	5.430	0.4279
#3	.0024	-0.0071	2.563	0.0492	1.041	9.978	-0.0064	5.443	0.4268

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2443.1	4912.1	4154.9	4372.7
Stddev	4.7	11.1	89.	23.3
%RSD	.19277	.22576	.21438	.53296

#1	2447.8	4924.7	41452.	4361.1
#2	2438.3	4903.9	41628.	4357.5
#3	2443.1	4907.7	41568.	4399.6

Sample Name: FA31670-21 Acquired: 3/22/2016 17:05:54 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.017	158.8	0.232	6.403	0.0041	9.130	-0.017	0.0388	0.2720
Stddev	.0006	.6	.0018	.0041	.0001	.047	.0002	.0004	.0014
%RSD	32.79	.3662	7.833	.6376	1.986	.5163	12.97	.9434	.5017

#1	-0.019	158.9	.0213	6.411	.0042	9.132	-0.019	0.0389	.2705
#2	-0.022	159.3	.0249	6.439	.0040	9.177	-0.015	0.0392	.2726
#3	-0.011	158.1	.0234	6.359	.0041	9.083	-0.016	0.0385	.2731

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.268	128.5	12.43	13.94	7.150	0.058	1.674	1.514	0.4463
Stddev	.0003	.5	.08	.18	.027	.0003	.029	.0003	.0053
%RSD	.2164	.4224	.6045	1.270	.3781	5.563	1.716	.1661	1.198

#1	.1271	128.9	12.51	14.14	.7119	.0062	1.671	.1512	.4441
#2	.1266	128.8	12.36	13.86	.7162	.0057	1.704	.1512	.4524
#3	.1266	127.9	12.42	13.81	.7168	.0055	1.647	.1517	.4424

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0032	-0.0054	1.799	0.0364	1.222	6.643	-0.0008	2.952	0.1437
Stddev	.0063	.0038	.002	.0005	.0004	.009	.0063	.0008	.0008
%RSD	197.7	69.30	.1045	1.410	.3405	.1401	835.2	.2818	.5714

#1	.0092	-0.013	1.801	.0370	1.222	6.633	.0021	2.943	.1437
#2	-0.0034	-0.0087	1.798	.0360	1.225	6.648	.0036	2.958	.1429
#3	.0039	-0.0062	1.798	.0363	1.217	6.650	-0.0080	2.956	.1446

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2550.1	4943.1	4190.6	4344.4
Stddev	7.7	7.5	105.	23.4
%RSD	.30166	.15168	.25016	.53908

#1	2543.1	4937.2	42004.	4326.4
#2	2558.3	4951.5	41919.	4335.9
#3	2549.1	4940.6	41796.	4370.8

Sample Name: CRIA Acquired: 3/22/2016 17:10:17 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0083	.2085	.0102	.2097	.0050	1.006	.0055	.0566	.0106
Stddev	.0003	.0044	.0012	.0004	.0000	.001	.0000	.0001	.0002
%RSD	3.350	2.095	11.72	.1982	.3430	.0720	.0293	.1052	1.815
#1	.0086	.2101	.0089	.2093	.0050	1.006	.0055	.0567	.0104
#2	.0083	.2035	.0112	.2101	.0050	1.005	.0055	.0566	.0108
#3	.0080	.2118	.0105	.2098	.0050	1.006	.0055	.0566	.0106
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0252	.3260	9.897	4.956	.0152	.0525	9.955	.0434	.0050
Stddev	.0004	.0008	.007	.034	.0001	.0000	.043	.0001	.0002
%RSD	1.434	.2566	.0672	.6762	.9615	.0616	.4354	.3072	3.880
#1	.0253	.3269	9.897	4.992	.0151	.0525	9.937	.0434	.0048
#2	.0248	.3252	9.903	4.949	.0153	.0525	10.00	.0435	.0050
#3	.0254	.3260	9.889	4.926	.0153	.0525	9.923	.0432	.0052
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0057	.0078	.0025	.0517	.0097	.0101	.0091	.0459	.0217
Stddev	.0005	.0003	.0002	.0001	.0000	.0000	.0004	.0001	.0000
%RSD	8.061	3.805	8.510	.2034	.3791	.2386	3.919	1.860	.2185
#1	.0053	.0074	.0023	.0519	.0097	.0102	.0095	.0459	.0218
#2	.0056	.0080	.0028	.0517	.0097	.0101	.0090	.0458	.0217
#3	.0062	.0079	.0025	.0516	.0096	.0102	.0088	.0460	.0217
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2567.3	4805.0	41190.	4260.5					
Stddev	2.0	4.0	133.	13.0					
%RSD	.07639	.08281	.32226	.30591					
#1	2568.3	4809.4	41287.	4248.1					
#2	2568.5	4801.6	41244.	4259.3					
#3	2565.0	4803.9	41039.	4274.1					

Sample Name: ICSA Acquired: 3/22/2016 17:14:43 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F 1.044	F 520.9	1.100	5419	5008	475.6	9786	4971	4956
Stddev	.002	4.1	.004	.0010	.0008	3.7	.0021	.0008	.0011
%RSD	.1455	.7790	.3838	.1913	.1569	.7770	.2192	.1657	.2163
#1	1.043	523.7	1.103	5427	4999	471.6	9777	4964	4964
#2	1.043	516.2	1.100	5421	5012	478.9	9810	4980	4961
#3	1.046	522.7	1.095	5407	5013	476.2	9770	4970	4944
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5457	191.1	0.611	506.2	4726	9871	1231	9529	9101
Stddev	.0012	.4	.0207	1.2	.0013	.0032	.0056	.0024	.0039
%RSD	.2211	.2129	33.85	.2356	.2849	.3277	4.575	2.478	4.330
#1	5453	190.7	.0687	505.9	.4717	.9848	.1229	.9527	.9128
#2	5447	191.5	.0770	507.5	.4741	.9908	.1176	.9554	.9120
#3	5470	191.2	.0377	505.2	.4720	.9858	.1289	.9507	.9056
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.024	1.032	.0455	.8994	.9984	.9012	.8971	.4378	.9461
Stddev	.003	.006	.0002	.0026	.0012	.0004	.0029	.0016	.0033
%RSD	.2659	.5761	.4959	.2882	.1161	.0498	.3245	.3606	.3471
#1	1.022	1.039	.0457	.8997	.9990	.9006	.8984	.4390	.9447
#2	1.027	1.031	.0454	.9018	.9970	.9015	.8992	.4384	.9499
#3	1.023	1.027	.0453	.8967	.9991	.9013	.8938	.4360	.9438
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1951.4	4194.9	35505.	3931.8					
Stddev	4.8	3.7	58.	14.0					
%RSD	.24453	.08901	.16372	.35682					
#1	1946.3	4195.9	35570.	3943.8					
#2	1952.1	4190.7	35488.	3916.4					
#3	1955.7	4197.9	35458.	3935.4					

Sample Name: ICSA Acquired: 3/22/2016 17:14:43 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	
Avg	-0.0005	F 503.2	.0017	-0.0001	.0000	463.7	-0.0013	.0000	
Stddev	.0003	8.7	.0007	.0004	.0001	8.7	.0001	.000	
%RSD	51.85	1.721	40.99	590.3	356.0	1.879	4.182	493.7	
#1	-0.0004	511.7	.0025	.0000	.0000	470.3	-0.0014	.0001	
#2	-0.0008	503.6	.0011	.0003	.0001	467.0	-0.0013	.0000	
#3	-0.0003	494.4	.0015	-0.0004	.0000	453.8	-0.0013	-0.0002	
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	
Avg	-0.0002	.0013	185.3	.0535	494.8	-0.0002	-0.0014	.1148	
Stddev	.0002	.0002	.7	.0041	3.4	.0000	.0003	.0106	
%RSD	112.6	15.28	.3674	7.602	.6950	12.30	20.34	9.194	
#1	-0.0003	.0015	185.9	.0502	496.8	-0.0002	-0.0011	.1174	
#2	.0001	.0012	185.4	.0522	496.7	-0.0002	-0.0017	.1032	
#3	-0.0003	.0012	184.6	.0580	490.8	-0.0002	-0.0015	.1238	
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	
Avg	.0005	F -0.0059	.0003	-0.0006	.0109	.0016	.0002	.0008	
Stddev	.0002	.0025	.0020	.0034	.0004	.0003	.0000	.0001	
%RSD	47.07	41.75	768.8	530.5	3.465	20.45	20.41	14.89	
#1	.0005	-0.0085	.0015	-0.0037	.0111	.0012	.0002	.0008	
#2	.0002	-0.0058	.0020	.0030	.0110	.0019	.0002	.0009	
#3	.0006	-0.0036	.0012	-0.0012	.0104	.0016	.0003	.0007	
Elem	Ti1908	V_2924	Zn2062						
IS Ref	(In2306)	(Y_3600)	(Y_2243)						
Avg	-0.0003	.0005	-0.0034						
Stddev	.0042	.0002	.0001						
%RSD	1356.	44.53	2.402						
#1	-0.0004	.0007	-0.0035						
#2	-0.0045	.0004	-0.0035						
#3	.0039	.0004	-0.0034						

Sample Name: ICSAB Acquired: 3/22/2016 17:19:20 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F 1.044	F 520.9	1.100	5419	5008	475.6	9786	4971	4956
Stddev	.002	4.1	.004	.0010	.0008	3.7	.0021	.0008	.0011
%RSD	.1455	.7790	.3838	.1913	.1569	.7770	.2192	.1657	.2163
#1	1.043	523.7	1.103	5427	4999	471.6	9777	4964	4964
#2	1.043	516.2	1.100	5421	5012	478.9	9810	4980	4961
#3	1.046	522.7	1.095	5407	5013	476.2	9770	4970	4944
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5457	191.1	0.611	506.2	4726	9871	1231	9529	9101
Stddev	.0012	.4	.0207	1.2	.0013	.0032	.0056	.0024	.0039
%RSD	.2211	.2129	33.85	.2356	.2849	.3277	4.575	2.478	4.330
#1	5453	190.7	.0687	505.9	.4717	.9848	.1229	.9527	.9128
#2	5447	191.5	.0770	507.5	.4741	.9908	.1176	.9554	.9120
#3	5470	191.2	.0377	505.2	.4720	.9858	.1289	.9507	.9056
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.024	1.032	.0455	.8994	.9984	.9012	.8971	.4378	.9461
Stddev	.003	.006	.0002	.0026	.0012	.0004	.0029	.0016	.0033
%RSD	.2659	.5761	.4959	.2882	.1161	.0498			

Sample Name: CCV Acquired: 3/22/2016 17:23:49 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2484	40.38	1.965	2.020	1.928	38.12	2.043	2.080	1.957
Stddev	.0013	.17	.001	.007	.006	.10	.003	.003	.013
%RSD	.5347	.4324	.0348	.3304	.3303	.2610	.1624	.1656	.6826
#1	.2475	40.34	1.964	2.024	1.927	38.03	2.041	2.079	1.942
#2	.2478	40.22	1.965	2.012	1.923	38.10	2.047	2.084	1.964
#3	.2499	40.57	1.965	2.024	1.935	38.23	2.041	2.078	1.966

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.954	38.68	38.11	37.78	1.877	2.076	38.18	1.985	1.871
Stddev	.008	.13	.11	.22	.010	.005	.10	.001	.004
%RSD	.4273	.3441	.2780	.5851	.5300	.2564	.2510	.0298	.2173
#1	1.962	38.64	38.07	37.54	1.866	2.078	38.20	1.985	1.867
#2	1.945	38.57	38.03	37.81	1.885	2.080	38.07	1.986	1.875
#3	1.956	38.83	38.23	37.98	1.880	2.070	38.26	1.985	1.871

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.951	2.015	2.446	1.923	1.897	1.864	1.861	1.841	1.976
Stddev	.003	.003	.004	.003	.004	.002	.009	.007	.004
%RSD	.1740	.1530	.1665	.1568	.2330	.0919	.4766	.4101	.2077
#1	1.955	2.018	2.451	1.923	1.900	1.862	1.852	1.832	1.971
#2	1.950	2.013	2.446	1.921	1.892	1.865	1.869	1.847	1.978
#3	1.948	2.013	2.443	1.927	1.900	1.864	1.864	1.843	1.978

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/22/2016 17:23:49 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2289.0	4669.9	40156.	4200.2
Stddev	2.6	6.2	15.	26.5
%RSD	.11262	.13212	.03744	.63109
#1	2286.9	4663.0	40173.	4224.4
#2	2291.9	4672.1	40145.	4204.2
#3	2288.1	4674.7	40149.	4171.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 3/22/2016 17:28:01 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	.0138	.0005	.0004	.0003	.0130	.0002	.0004	.0003
Stddev	.0003	.0047	.0004	.0002	.0000	.0020	.0000	.0001	.0001
%RSD	66.66	34.05	79.23	38.34	14.55	15.23	9.996	28.13	47.51
#1	-0.001	.0150	.0004	.0005	.0002	.0111	.0002	.0003	.0002
#2	-0.005	.0087	.0010	.0005	.0003	.0128	.0003	.0005	.0005
#3	-0.007	.0179	.0002	.0002	.0003	.0150	.0002	.0003	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0007	.0283	.0057	.0105	.0003	F .0019	.0035	.0001	.0003
Stddev	.0001	.0046	.0162	.0219	.0000	.0005	.0058	.0001	.0002
%RSD	21.77	16.37	281.8	208.8	13.59	25.90	165.6	48.77	53.41
#1	-0.006	.0309	.0232	.0358	.0003	.0025	.0066	.0001	.0003
#2	-0.008	.0310	-0.0088	-0.0010	.0003	.0018	.0072	.0001	.0001
#3	-0.005	.0229	.0028	-0.0032	.0002	.0015	-0.0032	.0002	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	.0000	-0.0007	.0005	.0003	.0010	-0.0005	.0002	.0004
Stddev	.0004	.001	.0003	.0002	.0000	.0000	.0003	.0001	.0000
%RSD	31.28	2599.	37.75	47.46	3.316	2.515	62.62	36.53	1.053
#1	.0011	-0.007	-0.0007	.0008	.0003	.0010	-0.002	.0002	.0004
#2	.0008	.0004	-0.0005	.0003	.0003	.0010	-0.008	.0003	.0004
#3	.0015	.0003	-0.0010	.0004	.0003	.0010	-0.005	.0002	.0004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/22/2016 17:28:01 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2632.8	4823.4	41870.	4263.5
Stddev	2.7	3.6	95.	29.5
%RSD	.10360	.07564	.22749	.69242
#1	2633.1	4824.2	41936.	4245.5
#2	2629.9	4826.5	41761.	4247.5
#3	2635.3	4819.4	41913.	4297.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Accutest Laboratories SE Metals Digestion Log Water

DOD+
(MS)

Method of digestion(circle one): SW846-3010A SW846-3005A / EPA 200.7 / SM3030C

MP #: 30039

Prep Date/Time (mm/dd/yy 24:00): 2/29/16 8:45

HotBlock I.D. #5

Thermometer I.D. #204

Correction Factor (°C) -1

Temperature Observed/Corrected (°C) 94, 93

Added^B: HNO₃
Lot# 1115080

Spk. Sol. ^A	Used(ml)	Pipette #
ACC 920	0.50	10
ACC 894	0.25	10
MET 5330	0.25	10

Dig. Tube Lot#: J215796-261

HCL
4115050

Sample #	Initial Volume(ml)	pH<2	Final Volume(ml)	Comments
Method Blank(MB)	50.0	N/A	50.0	
Spike Blank(SB)		N/A		
Matrix Spike(MS)		✓		
Matrix Spike Dup(MSD)		✓		
Duplicate(DUP)		✓		
1 QC ^C FA31027-2 ^{BS}		✓		
2 ↓ 1 9		✓		
3 ↓ 3		✓		
4 ↓ 4		✓		
5 FA31077-4		✓		
6 ↓ 7		✓		
7 ↓ 9		✓		
8 ↓ 10		✓		
9 ↓ 11		✓		
10 ↓ 12		✓		
11 ↓ 13		✓		
12 ↓ 14 ✓		✓		
13 FA31743-1 11		✓		
14 FA31037-1 3		✓		
15 FA31069-1 1		✓		
16 FA31070-1		✓		
17 FA31071-37 ↓		✓		
18 FA31072-27 ✓		✓		
19 FA31056-1 9		✓		
20 ↓ 2 9		✓		
21 ^E				
22 ^E				
23 ^E				
24 ^E				

Analyst: J. Ben
QC Review: [Signature]

Date: 2/29/16
Date: 2-29-16

- A Used for SB, MS, MSD
 - B For reagent volumes used consult SOP MET 103, current revision
 - C Parent sample used to prepare MS, MSD, DUP
 - D Bottle Number
 - E Additional matrix QC
- icpwaterdigestionlog091113.xls

Rev 01/20/10 DM

*DB 2/29/16

7.3.1
7

Accutest Laboratories SE Metals Digestion Log Soil

5g DRY sieve

MP #: 30149

Method of Digestion: SW846-3050B

Prep Date/Time (mm/dd/yy 24:00): 3/22/16 9:52
 HotBlock I.D. *~~4~~ LT237X1 Spk. Sol. ^A ACC 920 Volume Used(ml) *~~0.50~~ 1.0 Pipette # 10
 Thermometer I.D. 6071 ACC 894 *~~0.25~~ 0.5 10
 Correction Factor (°C) -1 MET 5361 0.5 10
 ① Temperature Observed/Corrected (°C) 92, 91
 Balance I.D. ADVPRD3 Filter Lot#: 15092 8009
 Added ^B: H₂O₂ HNO₃ HCL Dig. Tube Lot# glass ~~beaker~~ beaker
 Lot# 152514 1115100 4115080 PTFE Boiling Chips R263-5K012

Sample #	Wt. g	Final Volume(ml)	Comments
Method Blank(MB)	* +0050	*50.0	100.0 ① Temp fluxuated during digestion.
Spike Blank(SB)	5.0		
Matrix Spike(MS)	5.11		
Matrix Spike Dup(MSD)	5.05		
Duplicate(DUP)	5.19		
1 QC ^C FA31669-2 ^{D1}	5.25		
2 D2-FA31669-2	5.31		
3	6	5.06	
4	9	5.36	
5	12	5.32	
6	15	5.04	
7	18	5.23	
8	21	5.11	
9	24	5.12	
10	25	5.20	
11	26	5.16	
12	29	5.32	
13 FA31670-2	5.25		
14	5	5.16	
15	6	5.26	
16	9	5.33	
17	12	5.42	
18	15	5.21	
19	18	5.23	
20	21	5.17	
21 ^E			
22 ^E			
23 ^E			3/22/16
24 ^E	DB		

Analyst: [Signature]
 QC Review: [Signature]

Date: 3/22/16
 Date: 3/22/16

- A Used for SB, MS, MSD
- B For reagent volumes used consult SOP MET 104, current revision
- C Parent sample used to prepare MS, MSD, DUP
- D Bottle Number
- E Additional Matrix QC

icpsoildigestionlog012010.xls

Rev 01/20/10 DM

* DB 3/22/16

7.3.2
 7

SGS ACCUTEST IS PART OF SGS, THE WORLD'S LEADING INSPECTION,
VERIFICATION, TESTING AND CERTIFICATION COMPANY.



e-Hardcopy 2.0
Automated Report

Technical Report for

Kemron Environmental Services, Inc

Ft Ord; CA

07202.2001

SGS Accutest Job Number: FA31670

Sampling Date: 02/18/16

Report to:

Kemron Environmental Services, Inc
4522 Joe Lloyd Way
Monterey, CA 93944
emiddleditch@gilbaneco.com

ATTN: Eric Middleditch

Total number of pages in report: 142



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Sue Bell 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001)
DoD ELAP (L-A-B L2229), CA (2937), TX (T104704404), PA (68-03573), VA (460177),
AK, AR, GA, KY, MA, NV, OK, UT, WA

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Test results relate only to samples analyzed.

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Sample Summary

Kemron Environmental Services, Inc

Job No: FA31670

Ft Ord; CA

Project No: 07202.2001

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
FA31670-1	02/18/16	14:30 BRP	02/24/16	AQ	Equipment Blank	02-ER02SC
FA31670-2	02/18/16	08:40 BRP	02/24/16	SO	Soil	02-46SC0000
FA31670-5	02/18/16	08:45 BRP	02/24/16	SO	Soil	02-59SC0000
FA31670-6	02/18/16	08:45 BRP	02/24/16	SO	Soil	02-59SC0000Q
FA31670-9	02/18/16	09:35 BRP	02/24/16	SO	Soil	02-47SC0000
FA31670-12	02/18/16	11:15 BRP	02/24/16	SO	Soil	02-44SC0000
FA31670-15	02/18/16	13:15 BRP	02/24/16	SO	Soil	02-45SC0000
FA31670-18	02/18/16	10:15 BRP	02/24/16	SO	Soil	02-56SC0000
FA31670-21	02/18/16	13:10 BRP	02/24/16	SO	Soil	02-57SC0000

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Kemron Environmental Services, Inc

Job No: FA31670

Site: Ft Ord; CA

Report Date 3/24/2016 4:41:10 PM

9 Samples were collected on 02/18/2016 and were received at SGS Accutest Southeast (SASE) on 02/24/2016 properly preserved, at 3.2 Deg. C and intact. These Samples received an SASE job number of FA31670. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix: AQ

Batch ID: MP30039

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA31627-2DUP, FA31627-2MS, FA31627-2MSD, FA31627-2PS, FA31627-2SDL were used as the QC samples for metals.

Matrix: SO

Batch ID: MP30149

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA31669-2DUP, FA31669-2MS, FA31669-2MSD, FA31669-2PS, FA31669-2SDL were used as the QC samples for metals.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

Date: March 24, 2016

Lovelie Metzgar, QA Officer (signature on file)

Summary of Hits

Job Number: FA31670
Account: Kemron Environmental Services, Inc
Project: Ft Ord; CA
Collected: 02/18/16



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA31670-1	02-ER02SC					
No hits reported in this sample.						
FA31670-2	02-46SC0000					
Lead		14.1	1.9	0.38	mg/kg	SW846 6010C
FA31670-5	02-59SC0000					
Lead		13.7	1.9	0.39	mg/kg	SW846 6010C
FA31670-6	02-59SC0000Q					
Lead		8.0	1.9	0.38	mg/kg	SW846 6010C
FA31670-9	02-47SC0000					
Lead		14.4	1.9	0.38	mg/kg	SW846 6010C
FA31670-12	02-44SC0000					
Lead		31.7	1.8	0.37	mg/kg	SW846 6010C
FA31670-15	02-45SC0000					
Lead		32.8	1.9	0.38	mg/kg	SW846 6010C
FA31670-18	02-56SC0000					
Lead		35.3	1.9	0.38	mg/kg	SW846 6010C
FA31670-21	02-57SC0000					
Lead		8.6	1.9	0.39	mg/kg	SW846 6010C

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: 02-ER02SC	Date Sampled: 02/18/16
Lab Sample ID: FA31670-1	Date Received: 02/24/16
Matrix: AQ - Equipment Blank	Percent Solids: n/a
Project: Ft Ord; CA	

4.1
4

Total Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.0 U	5.0	2.0	1.1	ug/l	1	02/29/16	02/29/16 LM	SW846 6010C ¹	SW846 3010A ²

(1) Instrument QC Batch: MA12998

(2) Prep QC Batch: MP30039

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-46SC0000	Date Sampled: 02/18/16
Lab Sample ID: FA31670-2	Date Received: 02/24/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.2
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	14.1	1.9	0.38	0.095	mg/kg	5	03/22/16	03/22/16 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13047

(2) Prep QC Batch: MP30149

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-59SC0000	
Lab Sample ID: FA31670-5	Date Sampled: 02/18/16
Matrix: SO - Soil	Date Received: 02/24/16
	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.3
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	13.7	1.9	0.39	0.097	mg/kg	5	03/22/16	03/22/16 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13047

(2) Prep QC Batch: MP30149

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-59SC0000Q	Date Sampled: 02/18/16
Lab Sample ID: FA31670-6	Date Received: 02/24/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.4
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	8.0	1.9	0.38	0.095	mg/kg	5	03/22/16	03/22/16 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13047

(2) Prep QC Batch: MP30149

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-47SC0000	Date Sampled: 02/18/16
Lab Sample ID: FA31670-9	Date Received: 02/24/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.5
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	14.4	1.9	0.38	0.094	mg/kg	5	03/22/16	03/22/16 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13047

(2) Prep QC Batch: MP30149

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-44SC0000	Date Sampled: 02/18/16
Lab Sample ID: FA31670-12	Date Received: 02/24/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.6
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	31.7	1.8	0.37	0.092	mg/kg	5	03/22/16	03/22/16 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13047

(2) Prep QC Batch: MP30149

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-45SC0000	Date Sampled: 02/18/16
Lab Sample ID: FA31670-15	Date Received: 02/24/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.7
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	32.8	1.9	0.38	0.096	mg/kg	5	03/22/16	03/22/16 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13047

(2) Prep QC Batch: MP30149

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-56SC0000	
Lab Sample ID: FA31670-18	Date Sampled: 02/18/16
Matrix: SO - Soil	Date Received: 02/24/16
	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.8
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	35.3	1.9	0.38	0.096	mg/kg	5	03/22/16	03/22/16 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13047

(2) Prep QC Batch: MP30149

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-57SC0000	
Lab Sample ID: FA31670-21	Date Sampled: 02/18/16
Matrix: SO - Soil	Date Received: 02/24/16
	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.9
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	8.6	1.9	0.39	0.097	mg/kg	5	03/22/16	03/22/16 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13047

(2) Prep QC Batch: MP30149

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Misc. Forms**5****Custody Documents and Other Forms**

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC #RP 1--% 021816-01
FA 31670



Project Name: Fort Ord § D V H Z L G H § S D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW6330B - Explosives SW6010C - Lead SW6330B - Explosives by ISM SW6010C - Lead by ISM	Code Matrix
			Code Container/Preservative
			SO SOIL
			WQ WATER QUALITY CONTROL MATRIX
			2 2" 1L amber, 4 degrees C
			1 1" 1.0-1.5 kilogram bag
			13 1" 250ml poly, with HNO3

Sample ID	Matrix	Date	Time	Samp Init.	2	13	1	Location ID	Sample Type	Depth (ft bgs) Top - Bottom	
02-ER02SC	WQ	2/18/16	1430	DB	X			FIELDQC	EB1	NA	NA
02-46SC0000	SO		0850	TR	X			02-46	N1	0.0	0.5
02-46SC0001	SO		0855	TR	X			02-46	N1	1.0	1.5
02-46SC0002	SO		0915	TR	X			02-46	N1	2.0	2.5
02-59SC0000	SO		0845	RP	X			02-59	N1	0.0	0.5
02-59SC0001	SO		0906	RP	X			02-59	N1	1.0	1.5
02-59SC0002	SO		0935	RP	X			02-59	N1	2.0	2.5
02-47SC0000	SD		0935	TR	X			02-47	N1	0.0	0.5

Hold
Hold
Hold
Hold

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	2/23/16	1600	<i>[Signature]</i>			
<i>[Signature]</i>			<i>[Signature]</i>	2-29-16	12:45	
						Received by Laboratory: (Signature, Date, Time) & condition

ENV.COC_Record
July 06, 2015

3-2 3-4

Page 1 of 3

5.1
5

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # DP1 - 621816-02

FA31670



Project Name: Fort Ord	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - 5 5	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method	Code Matrix
			SO SOIL
			WQ WATER QUALITY CONTROL MATRIX
		Code Container/Preservative	
		2* 1L amber, 4 degrees C	
		1* 1.0-1.5 kilogram bag	
		1* 250ml poly, with HNO3	

Sample ID	Matrix	Date	Time	Samp Init.	Location ID	Sample Type	Depth (ft bgs) Top - Bottom
02-47SC0001	SO				FIELDQC	EBT	NA - NA
10 02-47SC0001	SO	02/18/16	1010	TR	02-47	N1	1.0 1.5
11 02-47SC0002	SO	02/18/16	1040	TR	02-47	N1	2.0 2.5
02-59SC0001							
02-59SC0002							
12 02-44SC0000	SO	02/18/16	1115	RP	02-44	N1	0.0 0.5
13 02-44SC0001	SO	↓	1220	RP	02-44	N1	1.0 1.5
14 02-44SC0002	SO	↓	1250	RP	02-44	N1	2.0 2.5

02/18/16
Hold
02/18/16
Hold
02/18/16
Hold
02/18/16
Hold

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	2/23/16	1600	FX	2-24-16	12:45	
FX			J. Cornell (ASR)			Received by Laboratory: (Signature, Date, Time) & condition

5.1
5

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # RP-021816-03

FA31670



Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW6330B - Explosives SW6010C - Lead SW6330B - Explosives by ISM SW6010C - Lead by ISM	Code Matrix
			Code SOIL
			Code Container/Preservative
			Code 2* 1L amber, 4 degrees C
			Code 1* 1.0-1.5 kilogram bag
			Code 1* 250ml poly, with HNO3

Sample ID	Matrix	Date	Time	Samp Init.				Location ID	Sample Type	Depth (ft bgs) Top - Bottom	
15	SO	02/18/16	1315	TR				02-45	N1	0.0	0.5
16			1335	TR				02-45	N1	1.0	1.5
17			1400	TR				02-45	N1	2.0	2.5
18			1015	RP				02-56	N1	0.0	0.5
19			1230	RP				02-56	N1	1.0	1.5
20			1250	RP				02-56	N1	2.0	2.5
21			1310	RP				02-57	N1	0.0	0.5
22			1330	RP				02-57	N1	1.0	1.5

RSP 02/18/16
Hold
Hold
Hold
Hold
Hold

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	2/23/16	1605	FX			
FX			J. Byrne (ASR)	2-24-16	12:43	
						Received by Laboratory: (Signature, Date, Time) & condition

ENV.COC_Record
July 06, 2015

5.1
5

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # RP 1-021816-04
FA 31670



Project Name: Fort Ord § D V H Z L G H § S D Q J H § S V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW8330B - Explosives SW6010C - Lead SW8330B - Explosives by ISM SW6010C - Lead by ISM	Code Matrix
			Code Container/Preservative
			SOIL
			WATER QUALITY CONTROL MATRIX
			2" 1L amber, 4 degrees C
			1" 1.0-1.5 kilogram bag
			1" 250ml poly, with HNO3

Event ID: § D V H Z L G H § S D Q J H § S V V H V P									
Sample ID	Matrix	Date	Time	Samp Init.	Location ID	Sample Type	Depth (ft bgs) Top - Bottom		
1	FB						NA	NA	NA
2									
3	SO	2/18/16	1354	RP	FIELDQC	E81	2.0	2.5	
4									
5									
6									
7									
8									
9									

RP 2/18/16
Hold

Cooler #		Turnaround Time: 14 Days		Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Shipping Date / Carrier / Airbill Number	
				FX		2/23/16	NOCD	FX					
				J. Corne (Abe)		2/24/16	12:43						
												Received by Laboratory: (Signature, Date, Time) & condition	

5.1
5

FA31670: Chain of Custody
Page 4 of 6

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA31670 CLIENT: GILBANE PROJECT: FORD OAD
 DATE/TIME RECEIVED: 2-24-16 12:45 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 2
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER DELIVERY OTHER: _____
 AIRBILL NUMBERS: 8088 8917 1975

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM _____ 5-GRAM _____
 NUMBER OF 5035 FIELD KITS ? _____
 NUMBER OF LAB FILTERED METALS ? _____

TEST STRIP LOT#s pH 0-3 204413A pH 10-12 219813A OTHER (specify) _____

SUMMARY OF COMMENTS: _____

TEMPERATURE INFORMATION

- IR THERM ID 1 CORR. FACTOR 10.2
- OBSERVED TEMPS: 3.0 3.2
- CORRECTED TEMPS: 3.2 3.4 (USED FOR LIMS)

SAMPLE INFORMATION

- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- % SOLIDS JAR NOT RECEIVED
- RESIDUAL CHLORINE PRESENT LOT# _____

[APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS]

TECHNICIAN SIGNATURE/DATE JC 2-25-16

REVIEWER SIGNATURE/DATE [Signature] 2/25/16

NF 11/15

receipt confirmation 111015.xls

5.1
5

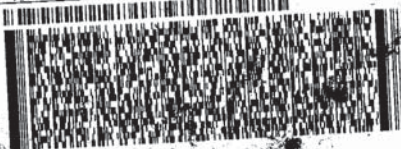
ORIGIN ID: MRYA

SHIP DATE: 23FEB16
ACTWT: 33.00 LB MAN
CRD: /POS1621
DIMS: 16x13x9 IN
BILL RECIPIENT

UNITED STATES US

TO **SAMPLE RECG**
ACCUTEST LABRATORIES
4405 VINELAND RD
STE C15
ORLANDO FL 32811

(407) 426-6700



FedEx
Express
E

1 of 8
TRK# 8088 8917 4975
0215
MASTER

WED - 24 FEB 10:30A
PRIORITY OVERNIGHT

XH TIXA

32811
FL-US MCO



UNV12113
MADE IN USA

FA31670: Chain of Custody
Page 6 of 6

QC Evaluation: DOD QSM5 Limits

Job Number: FA31670
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 02/18/16

QC Sample ID	CAS#	Analyte	Sample Result Type	Result Type	Result	Units	Limits
MP30039 SW846 6010C							
MP30039-B1	7439-92-1	Lead	BSP	REC	103	%	86-113
MP30039-S1*	7439-92-1	Lead	MS	REC	101.4	%	86-113
MP30039-S2*	7439-92-1	Lead	MSD	REC	103.2	%	86-113
MP30039-S2*	7439-92-1	Lead	MSD	RPD	1.8	%	20
MP30039-D1*	7439-92-1	Lead	DUP	RPD	0	%	20
MP30149 SW846 6010C							
MP30149-B1	7439-92-1	Lead	BSP	REC	106.3	%	81-112
MP30149-S1*	7439-92-1	Lead	MS	REC	103.2	%	81-112
MP30149-S2*	7439-92-1	Lead	MSD	REC	105	%	81-112
MP30149-S2*	7439-92-1	Lead	MSD	RPD	1.3	%	20
MP30149-D1*	7439-92-1	Lead	DUP	RPD	.8	%	20
MP30149-D2*	7439-92-1	Lead	DUP	RPD	2.3	%	20

5.2
5

* Sample used for QC is not from job FA31670

Metals Analysis

9

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31670
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
Analyst: LM Run ID: MA12998
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:07	MA12998-STD1	1		STDA
10:11	MA12998-STD2	1		STDB
10:18	MA12998-STD3	1		STDD
10:25	MA12998-STD4	1		STDC
10:29	MA12998-HSTD1	1		
10:36	MA12998-ICV1	1		
10:43	MA12998-ICB1	1		
10:46	MA12998-CR1A1	1		
10:53	MA12998-ICSA1	1		
10:58	MA12998-ICSAB1	1		
11:08	MA12998-CCV1	1		
11:16	MA12998-CCB1	1		
11:39	MP30039-MB1	1		
11:43	MP30039-B1	1		
11:47	FA31627-2	1		(sample used for QC only; not part of login FA31670)
11:52	MP30039-D1	1		
11:56	MP30039-SD1	5		
12:01	MP30039-PS1	1		
12:05	MP30039-S1	1		
12:09	MP30039-S2	1		
12:13	ZZZZZZ	1		
12:18	ZZZZZZ	1		
12:22	MA12998-CCV2	1		
12:26	MA12998-CCB2	1		
12:31	ZZZZZZ	1		
12:35	ZZZZZZ	1		
12:40	ZZZZZZ	1		
12:44	ZZZZZZ	1		
12:49	ZZZZZZ	1		
12:53	ZZZZZZ	1		
12:58	ZZZZZZ	1		
13:02	ZZZZZZ	1		
13:06	ZZZZZZ	1		

6.1
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31670
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA022916M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 02/29/16
Run ID: MA12998
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:11	ZZZZZZ	1		
13:15	MA12998-CCV3	1		
13:19	MA12998-CCB3	1		
13:24	ZZZZZZ	1		
13:29	ZZZZZZ	1		
13:33	FA31670-1	1		
----->	Last reportable sample/prep for job FA31670			
13:38	ZZZZZZ	1		
13:42	ZZZZZZ	1		
13:46	ZZZZZZ	1		
13:51	ZZZZZZ	1		
13:55	MP30042-MB1	1		
14:00	MP30042-B1	1		
14:04	FA31387-1	1		(sample used for QC only; not part of login FA31670)
14:09	MA12998-CCV4	1		
14:13	MA12998-CCB4	1		
14:17	MP30042-D1	1		
14:22	MP30042-SD1	5		
14:27	MP30042-S1	1		
14:31	MP30042-S2	1		
14:36	FA31502-1L	1		(sample used for QC only; not part of login FA31670)
14:40	ZZZZZZ	1		
14:45	ZZZZZZ	1		
14:49	ZZZZZZ	1		
14:54	MP30042-D2	1		
14:58	MP30042-MB2	1		
15:03	MA12998-CCV5	1		
15:07	MA12998-CCB5	1		
15:11	MP30042-B2	1		
15:16	MP30042-MB3	1		
15:20	MP30042-B3	1		
15:25	MP30043-MB1	1		
15:29	MP30043-B1	1		
15:33	FA31659-1	1		(sample used for QC only; not part of login FA31670)

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31670
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA022916M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 02/29/16
Run ID: MA12998

Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:38	MP30043-D1	1		
15:42	MP30043-SD1	5		
15:46	MP30043-PS1	1		
15:51	MP30043-S1	1		
15:55	MA12998-CCV6	1		
15:59	MA12998-CCB6	1		
16:04	MP30043-S2	1		
16:08	MA12998-CRIA2	1		
16:12	MA12998-ICSA2	1		
16:17	MA12998-ICSAB2	1		
16:40	MA12998-CCV7	1		
16:44	MA12998-CCB7	1		

-----> Last reportable CCB for job FA31670
Refer to raw data for calibration curve and standards.

6.1
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INTERNAL STANDARD SUMMARY

Login Number: FA31670
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA12998
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:07	MA12998-STD1	5183	39850	3614	2801
10:11	MA12998-STD2	5092	38990	3575	2595
10:18	MA12998-STD3	4594	36028	3497	2100
10:25	MA12998-STD4	4833	36911	3497	2302
10:29	MA12998-HSTD1	4554	35133	3407	2076
10:36	MA12998-ICV1	4713	36505	3488	2251
10:43	MA12998-ICB1	5147 R	39594 R	3605 R	2787 R
10:46	MA12998-CR1A1	4942	37513	3465	2584
10:53	MA12998-ICSA1	4348	32928	3313	1984
10:58	MA12998-ICSAB1	4409	32918	3263	1980
11:08	MA12998-CCV1	4773	36688	3440	2266
11:16	MA12998-CCB1	5113	38833	3477	2757
11:39	MP30039-MB1	4950	38396	3421	2682
11:43	MP30039-B1	4768	36666	3392	2359
11:47	FA31627-2	4652	36454	3404	2384
11:52	MP30039-D1	4737	37066	3391	2444
11:56	MP30039-SD1	4808	37586	3404	2575
12:01	MP30039-PS1	4757	37576	3473	2405
12:05	MP30039-S1	4704	36299	3290	2285
12:09	MP30039-S2	4648	35571	3235	2257
12:13	ZZZZZZ	4591	36140	3329	2354
12:18	ZZZZZZ	4804	37889	3510	2479
12:22	MA12998-CCV2	4821	37110	3447	2317
12:26	MA12998-CCB2	4945	38130	3394	2710
12:31	ZZZZZZ	4743	37394	3416	2449
12:35	ZZZZZZ	4789	37973	3492	2508
12:40	ZZZZZZ	4483	35201	3387	2247
12:44	ZZZZZZ	4699	36371	3304	2450
12:49	ZZZZZZ	4791	37997	3420	2519
12:53	ZZZZZZ	4647	37110	3418	2393
12:58	ZZZZZZ	4704	37066	3444	2441
13:02	ZZZZZZ	4582	36514	3394	2368
13:06	ZZZZZZ	4648	36791	3388	2381

INTERNAL STANDARD SUMMARY

Login Number: FA31670
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA12998
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:11	ZZZZZZ	4724	37784	3416	2510
13:15	MA12998-CCV3	4719	37589	3424	2300
13:19	MA12998-CCB3	4991	39611	3574	2750
13:24	ZZZZZZ	4470	35119	3258	2236
13:29	ZZZZZZ	4759	37356	3281	2532
13:33	FA31670-1	4760	37970	3350	2541
13:38	ZZZZZZ	4717	37389	3337	2512
13:42	ZZZZZZ	4779	37820	3363	2541
13:46	ZZZZZZ	4625	36736	3319	2425
13:51	ZZZZZZ	4567	36537	3314	2364
13:55	MP30042-MB1	4893	39528	3461	2715
14:00	MP30042-B1	4784	38198	3497	2434
14:04	FA31387-1	4690	36619	3370	2400
14:09	MA12998-CCV4	4698	36962	3373	2293
14:13	MA12998-CCB4	4851	38740	3421	2697
14:17	MP30042-D1	4648	36325	3359	2390
14:22	MP30042-SD1	4803	37716	3372	2583
14:27	MP30042-S1	4588	36409	3354	2264
14:31	MP30042-S2	4632	37059	3468	2286
14:36	FA31502-1L	4659	36988	3413	2421
14:40	ZZZZZZ	4662	36957	3423	2426
14:45	ZZZZZZ	4598	36549	3383	2401
14:49	ZZZZZZ	4634	36794	3442	2394
14:54	MP30042-D2	4571	35983	3324	2376
14:58	MP30042-MB2	4635	37035	3400	2423
15:03	MA12998-CCV5	4665	37254	3389	2298
15:07	MA12998-CCB5	4827	38974	3468	2696
15:11	MP30042-B2	4569	36234	3389	2269
15:16	MP30042-MB3	4585	36566	3366	2398
15:20	MP30042-B3	4525	36236	3357	2250
15:25	MP30043-MB1	4844	39560	3473	2743
15:29	MP30043-B1	4757	37903	3366	2442
15:33	FA31659-1	5569	43358	3924	2359

INTERNAL STANDARD SUMMARY

Login Number: FA31670
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA12998
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:38	MP30043-D1	5446	42792	3908	2369
15:42	MP30043-SD1	5017	39917	3543	2536
15:46	MP30043-PS1	5574	43665	3900	2365
15:51	MP30043-S1	5448	42712	3876	2296
15:55	MA12998-CCV6	4558	36959	3347	2262
15:59	MA12998-CCB6	4798	38786	3331	2704
16:04	MP30043-S2	5429	41738	3778	2282
16:08	MA12998-CRIA2	4693	38245	3383	2573
16:12	MA12998-ICSA2	4164	33194	3145	1992
16:17	MA12998-ICSAB2	4172	33019	3046	1970
16:40	MA12998-CCV7	4583	37188	3290	2285
16:44	MA12998-CCB7	4792	38714	3279	2722

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.1.1
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31670
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA022916M1.ICP
 QC Limits: result < RL

Date Analyzed: 02/29/16
 Run ID: MA12998

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:		10:43 ICB1		11:16 CCB1		12:26 CCB2		13:19 CCB3	
	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	14								
Antimony	6.0	1								
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2								
Cadmium	5.0	.2	anr							
Calcium	1000	50								
Chromium	10	1	anr							
Cobalt	50	.2								
Copper	25	1	anr							
Iron	300	17	anr							
Lead	5.0	1	0.30	<5.0	-0.10	<5.0	-0.10	<5.0	-0.20	<5.0
Magnesium	5000	35								
Manganese	15	.5	anr							
Molybdenum	50	.3								
Nickel	40	.4								
Potassium	10000	200								
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500								
Strontium	10	.5								
Thallium	10	1.1								
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5								
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31670
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA022916M1.ICP
 QC Limits: result < RL

Date Analyzed: 02/29/16
 Run ID: MA12998

Methods: SW846 6010C
 Units: ug/l

Time: Sample ID:	RL	IDL	14:13 CCB4 raw	final	15:07 CCB5 raw	final	15:59 CCB6 raw	final	16:44 CCB7 raw	final
Aluminum	200	14								
Antimony	6.0	1								
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2								
Cadmium	5.0	.2	anr							
Calcium	1000	50								
Chromium	10	1	anr							
Cobalt	50	.2								
Copper	25	1	anr							
Iron	300	17	anr							
Lead	5.0	1	-0.20	<5.0	0.0	<5.0	0.10	<5.0	-0.20	<5.0
Magnesium	5000	35								
Manganese	15	.5	anr							
Molybdenum	50	.3								
Nickel	40	.4								
Potassium	10000	200								
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500								
Strontium	10	.5								
Thallium	10	1.1								
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5								
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31670
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA12998 Units: ug/l

Metal	Time:		10:36		11:08		12:22		
	Sample ID:	ICV	ICV1	Results	CCV	CCV1	CCV	CCV2	
	True		% Rec	True	True	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	2000	2060	103.0	2000	2040	102.0	2000	1990	99.5
Magnesium									
Manganese	anr								
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31670
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA12998 Units: ug/l

Metal	Sample ID	CCV	13:15		CCV	14:09		CCV	15:03	
			CCV3	Results		CCV4	Results		CCV5	Results
		True	% Rec		True	% Rec		True	% Rec	
Aluminum										
Antimony										
Arsenic	anr									
Barium	anr									
Beryllium										
Cadmium	anr									
Calcium										
Chromium	anr									
Cobalt										
Copper	anr									
Iron	anr									
Lead	2000	1990	99.5	2000	1990	99.5	2000	1990	99.5	
Magnesium										
Manganese	anr									
Molybdenum										
Nickel										
Potassium										
Selenium	anr									
Silver	anr									
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc	anr									

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31670
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA12998 Units: ug/l

Metal	Sample ID	CCV	15:55		16:40	
			CCV6	Results	CCV7	Results
		True	% Rec	True	% Rec	
Aluminum						
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	anr					
Iron	anr					
Lead	2000	2020	101.0	2000	1980	99.0
Magnesium						
Manganese	anr					
Molybdenum						
Nickel						
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA31670
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA12998 Units: ug/l

Time:	10:29
Sample ID:	HSTD1
Metal	True
Results	% Rec

Aluminum			
Antimony			
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium	anr		
Calcium			
Chromium	anr		
Cobalt			
Copper	anr		
Iron	anr		
Lead	4000	4060	101.5
Magnesium			
Manganese	anr		
Molybdenum			
Nickel			
Potassium			
Selenium	anr		
Silver	anr		
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA31670
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA12998 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	10:46 CRIA1 Results	% Rec	16:08 CRIA2 Results	% Rec
Metal						
Aluminum	400	200				
Antimony	10	5.0				
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0	anr			
Calcium	2000	1000				
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	5.4	108.0	5.3	106.0
Magnesium	10000	5000				
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000				
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000				
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA31670
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA12998 Units: ug/l

Time:	10:53	10:58	16:12	16:17						
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2						
Metal	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum	500000	500000	519000	103.8	511000	102.2	530000	106.0	538000	107.6
Antimony		1000	1.2		1020	102.0	3.7		1050	105.0
Arsenic		1000	-0.90		1090	109.0	-1.0		1100	110.0
Barium		500	-0.10		568	113.6	-0.30		597	119.4
Beryllium		500	-0.10		565	113.0	0.0		569	113.8
Cadmium		1000	-0.50		1010	101.0	-1.4		1040	104.0
Calcium	500000	500000	497000	99.4	490000	98.0	483000	96.6	485000	97.0
Chromium		500	0.60		533	106.6	0.80		530	106.0
Cobalt		500	-0.30		508	101.6	-0.40		541	108.2
Copper		500	0.0		594	118.8	0.60		612	122.4*(a)
Iron	200000	200000	196000	98.0	191000	95.5	197000	98.5	196000	98.0
Lead		1000	0.10		1030	103.0	-5.2		995	99.5
Magnesium	500000	500000	534000	106.8	525000	105.0	513000	102.6	514000	102.8
Manganese		500	-0.10		563	112.6	-0.40		540	108.0
Molybdenum		1000	-0.40		962	96.2	-0.50		1030	103.0
Nickel		1000	0.40		1010	101.0	0.30		1030	103.0
Potassium			2.4		3.1		45.4		4.3	
Selenium		1000	0.0		1010	101.0	-0.20		1050	105.0
Silver		1000	-0.30		1090	109.0	-0.80		1100	110.0
Sodium			139		160		159		165	
Strontium		1000	0.20		1050	105.0	0.10		1030	103.0
Thallium		1000	-0.50		967	96.7	1.6		935	93.5
Tin		1000	1.6		948	94.8	1.4		932	93.2
Titanium		1000	-0.30		1040	104.0	-0.20		995	99.5
Vanadium		500	0.10		511	102.2	0.60		488	97.6
Zinc		1000	-2.6		1030	103.0	-3.4		1030	103.0

(*) Outside of QC limits
(anr) Analyte not requested
(a) Possible instrument baseline drift.

6.1.6
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31670
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032216M2.ICP Date Analyzed: 03/22/16 Methods: SW846 6010C
Analyst: DM Run ID: MA13047
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:30	MA13047-STD1	1		STDA
09:35	MA13047-STD2	1		STDB
09:39	MA13047-STD3	1		STDC
09:42	MA13047-STD4	1		STDD
09:46	MA13047-HSTD1	1		
09:52	MA13047-ICV1	1		
09:59	MA13047-ICB1	1		
10:03	MA13047-CR1A1	1		
10:06	MA13047-ICSA1	1		
10:12	MA13047-ICSAB1	1		
10:18	MA13047-CCV1	1		
10:23	MA13047-CCB1	1		
10:29	MP30148-MB1	1		
10:34	MP30148-B1	1		
10:38	FA32326-1	1		(sample used for QC only; not part of login FA31670)
10:42	MP30148-D1	1		
10:47	MP30148-SD1	5		
10:51	MP30148-PS1	1		
10:56	MP30148-S1	1		
11:00	MP30148-S2	1		
11:04	ZZZZZZ	1		
11:08	ZZZZZZ	1		
11:13	MA13047-CCV2	1		
11:17	MA13047-CCB2	1		
11:22	ZZZZZZ	1		
11:26	ZZZZZZ	1		
11:31	ZZZZZZ	1		
11:35	ZZZZZZ	1		
11:40	ZZZZZZ	2		
11:44	ZZZZZZ	1		
11:49	ZZZZZZ	20		
11:53	ZZZZZZ	10		
12:02	ZZZZZZ	1		

6.2
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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31670
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032216M2.ICP
Analyst: DM
Parameters: Pb

Date Analyzed: 03/22/16
Run ID: MA13047
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:07	MA13047-CCV3	1		
12:11	MA13047-CCB3	1		
12:15	ZZZZZZ	1		
12:20	ZZZZZZ	1		
12:24	ZZZZZZ	20		
12:29	ZZZZZZ	100		
12:33	ZZZZZZ	10		
12:38	ZZZZZZ	1		
12:42	ZZZZZZ	1		
12:47	MA13047-CCV4	1		
12:51	MA13047-CCB4	1		
13:12	MA13047-CCV5	1		
13:18	MA13047-CCB5	1		
13:24	MP30151-MB1	1		
13:28	MP30151-B1	1		
13:33	FA32192-1	1		(sample used for QC only; not part of login FA31670)
13:37	MP30151-D1	1		
13:42	MP30151-SD1	5		
13:46	MP30151-S1	1		
13:51	MP30151-S2	1		
13:55	FA32293-1L	1		(sample used for QC only; not part of login FA31670)
14:00	ZZZZZZ	1		
14:04	ZZZZZZ	1		
14:09	MA13047-CCV6	1		
14:13	MA13047-CCB6	1		
14:18	ZZZZZZ	1		
14:23	MP30151-D2	1		
14:27	MP30151-MB2	1		
14:32	MP30151-B2	1		
14:36	MP30151-MB3	1		
14:41	MP30151-B3	1		
14:45	MP30149-MB1	5		
14:50	MP30149-B1	5		

6.2
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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31670
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032216M2.ICP
Analyst: DM
Parameters: Pb

Date Analyzed: 03/22/16
Run ID: MA13047
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:54	FA31669-2	5		(sample used for QC only; not part of login FA31670)
14:59	MP30149-D1	5		
15:03	MA13047-CCV7	1		
15:07	MA13047-CCB7	1		
15:12	MP30149-D2	5		
15:16	MP30149-SD1	25		
15:21	MP30149-PS1	5		
15:25	MP30149-S1	5		
15:29	MP30149-S2	5		
15:34	ZZZZZZ	5		
15:38	ZZZZZZ	5		
15:42	ZZZZZZ	5		
15:47	ZZZZZZ	5		
15:51	ZZZZZZ	5		
15:56	MA13047-CCV8	1		
16:00	MA13047-CCB8	1		
16:04	ZZZZZZ	5		
16:09	ZZZZZZ	5		
16:13	ZZZZZZ	5		
16:17	ZZZZZZ	5		
16:22	ZZZZZZ	5		
16:26	FA31670-2	5		
16:30	FA31670-5	5		
16:35	FA31670-6	5		
16:39	FA31670-9	5		
16:44	FA31670-12	5		
16:48	MA13047-CCV9	1		
16:52	MA13047-CCB9	1		
16:57	FA31670-15	5		
17:01	FA31670-18	5		
17:05	FA31670-21	5		
----->	Last reportable sample/prep for job FA31670			
17:10	MA13047-CRIA2	1		
17:14	MA13047-ICSA2	1		

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31670
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032216M2.ICP Date Analyzed: 03/22/16 Methods: SW846 6010C
Analyst: DM Run ID: MA13047
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:19	MA13047-ICSAB2	1		
17:23	MA13047-CCV10	1		
17:28	MA13047-CCB10	1		

-----> Last reportable CCB for job FA31670
Refer to raw data for calibration curve and standards.

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INTERNAL STANDARD SUMMARY

Login Number: FA31670
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032216M2.ICP Date Analyzed: 03/22/16 Methods: SW846 6010C
 Analyst: DM Run ID: MA13047
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:30	MA13047-STD1	5041	40720	4406	2626
09:35	MA13047-STD2	4869	38998	4291	2401
09:39	MA13047-STD3	4626	36848	4117	2156
09:42	MA13047-STD4	4507	36478	4105	2005
09:46	MA13047-HSTD1	4514	36803	4172	2018
09:52	MA13047-ICV1	4635	37246	4221	2160
09:59	MA13047-ICB1	4933 R	39569 R	4344 R	2559 R
10:03	MA13047-CR1A1	4991	39444	4369	2523
10:06	MA13047-ICSA1	4301	33164	3880	1924
10:12	MA13047-ICSAB1	4238	33309	3925	1880
10:18	MA13047-CCV1	4660	37272	4168	2163
10:23	MA13047-CCB1	5008	40344	4349	2599
10:29	MP30148-MB1	5018	40536	4264	2600
10:34	MP30148-B1	4719	37587	4149	2276
10:38	FA32326-1	4662	37695	4196	2336
10:42	MP30148-D1	4734	38403	4286	2366
10:47	MP30148-SD1	4934	39770	4349	2526
10:51	MP30148-PS1	4856	37940	4183	2385
10:56	MP30148-S1	4813	38248	4234	2256
11:00	MP30148-S2	4830	38655	4271	2272
11:04	ZZZZZZ	4950	39775	4375	2456
11:08	ZZZZZZ	4828	39198	4354	2447
11:13	MA13047-CCV2	4792	38181	4205	2215
11:17	MA13047-CCB2	5195	41541	4400	2680
11:22	ZZZZZZ	5136	40808	4409	2620
11:26	ZZZZZZ	4981	40439	4427	2544
11:31	ZZZZZZ	4973	40306	4429	2530
11:35	ZZZZZZ	4898	39183	4289	2462
11:40	ZZZZZZ	4921	39233	4390	2428
11:44	ZZZZZZ	4739	38468	4289	2361
11:49	ZZZZZZ	4855	39238	4417	2435
11:53	ZZZZZZ	4772	38260	4272	2376
12:02	ZZZZZZ	4876	40051	4432	2461

6.2.1
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INTERNAL STANDARD SUMMARY

Login Number: FA31670
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032216M2.ICP Date Analyzed: 03/22/16 Methods: SW846 6010C
 Analyst: DM Run ID: MA13047
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:07	MA13047-CCV3	4803	38650	4348	2234
12:11	MA13047-CCB3	5069	40961	4407	2638
12:15	ZZZZZZ	4864	39340	4362	2405
12:20	ZZZZZZ	4850	39594	4375	2315
12:24	ZZZZZZ	4838	39192	4513	2353
12:29	ZZZZZZ	4939	39693	4427	2475
12:33	ZZZZZZ	4971	40247	4445	2510
12:38	ZZZZZZ	4815	39376	4376	2417
12:42	ZZZZZZ	4730	39434	4484	2356
12:47	MA13047-CCV4	4787	38971	4356	2242
12:51	MA13047-CCB4	5176	42256	4548	2713
13:12	MA13047-CCV5	4704	38372	4244	2211
13:18	MA13047-CCB5	5016	41572	4510	2644
13:24	MP30151-MB1	4970	41289	4404	2612
13:28	MP30151-B1	4677	38177	4232	2284
13:33	FA32192-1	4509	36885	4259	2235
13:37	MP30151-D1	4561	37114	4321	2253
13:42	MP30151-SD1	4884	39850	4381	2512
13:46	MP30151-S1	4518	36935	4128	2145
13:51	MP30151-S2	4545	37085	4188	2155
13:55	FA32293-1L	4646	37469	4153	2288
14:00	ZZZZZZ	4609	36998	4029	2247
14:04	ZZZZZZ	4502	37069	4096	2211
14:09	MA13047-CCV6	4678	38764	4211	2218
14:13	MA13047-CCB6	4992	41603	4382	2653
14:18	ZZZZZZ	4533	37746	4202	2256
14:23	MP30151-D2	4653	38715	4352	2324
14:27	MP30151-MB2	4705	38594	4273	2361
14:32	MP30151-B2	4658	37716	4060	2246
14:36	MP30151-MB3	4608	37964	4146	2310
14:41	MP30151-B3	4603	37765	4184	2197
14:45	MP30149-MB1	4915	40794	4119	2584
14:50	MP30149-B1	4870	39873	4056	2507

INTERNAL STANDARD SUMMARY

Login Number: FA31670
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032216M2.ICP Date Analyzed: 03/22/16 Methods: SW846 6010C
 Analyst: DM Run ID: MA13047
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:54	FA31669-2	5074	41045	4217	2420
14:59	MP30149-D1	5035	41374	4369	2423
15:03	MA13047-CCV7	4681	38888	4176	2240
15:07	MA13047-CCB7	4894	40831	4188	2613
15:12	MP30149-D2	5035	41030	4250	2410
15:16	MP30149-SD1	4924	41138	4270	2523
15:21	MP30149-PS1	5000	40946	4333	2387
15:25	MP30149-S1	4962	40584	4305	2371
15:29	MP30149-S2	5011	40938	4289	2400
15:34	ZZZZZZ	5010	42218	4384	2538
15:38	ZZZZZZ	4886	41274	4328	2483
15:42	ZZZZZZ	4928	41263	4358	2437
15:47	ZZZZZZ	4963	41112	4250	2465
15:51	ZZZZZZ	5006	41223	4254	2427
15:56	MA13047-CCV8	4623	39110	4102	2243
16:00	MA13047-CCB8	4837	41470	4288	2601
16:04	ZZZZZZ	4967	41244	4267	2451
16:09	ZZZZZZ	4942	40666	4175	2461
16:13	ZZZZZZ	4982	41702	4277	2462
16:17	ZZZZZZ	5042	42057	4371	2463
16:22	ZZZZZZ	4972	41152	4255	2468
16:26	FA31670-2	4969	41868	4312	2502
16:30	FA31670-5	5026	42303	4402	2466
16:35	FA31670-6	5021	42323	4417	2472
16:39	FA31670-9	5049	42157	4405	2416
16:44	FA31670-12	5007	42333	4409	2458
16:48	MA13047-CCV9	4644	39951	4264	2263
16:52	MA13047-CCB9	4819	41566	4278	2622
16:57	FA31670-15	5033	42336	4358	2430
17:01	FA31670-18	4912	41549	4373	2443
17:05	FA31670-21	4943	41906	4344	2550
17:10	MA13047-CRIA2	4805	41190	4261	2567
17:14	MA13047-ICSA2	4256	36032	3991	2012

6.2.1
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INTERNAL STANDARD SUMMARY

Login Number: FA31670
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032216M2.ICP Date Analyzed: 03/22/16 Methods: SW846 6010C
 Analyst: DM Run ID: MA13047
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:19	MA13047-ICSAB2	4195	35505	3932	1951
17:23	MA13047-CCV10	4670	40156	4200	2289
17:28	MA13047-CCB10	4823	41870	4264	2633

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

<u>Istd#</u>	<u>Parameter</u>	<u>Limits</u>
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.2.1
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BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31670
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032216M2.ICP
 QC Limits: result < RL

Date Analyzed: 03/22/16
 Run ID: MA13047

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		09:59		10:23		11:17		12:11		
	Sample ID:	RL	IDL	ICB1	final	CCB1	final	CCB2	final	CCB3	final
Aluminum	200	14									
Antimony	6.0	1									
Arsenic	10	1.3	anr								
Barium	200	1	anr								
Beryllium	4.0	.2									
Cadmium	5.0	.2	anr								
Calcium	1000	50									
Chromium	10	1	anr								
Cobalt	50	.2									
Copper	25	1									
Iron	300	17									
Lead	5.0	1	0.60	<5.0	0.0	<5.0	0.10	<5.0	0.10	<5.0	
Magnesium	5000	35									
Manganese	15	.5									
Molybdenum	50	.3									
Nickel	40	.4									
Potassium	10000	200									
Selenium	10	2.4	anr								
Silver	10	.7	anr								
Sodium	10000	500	anr								
Strontium	10	.5									
Thallium	10	1.1									
Tin	50	.9									
Titanium	10	.5									
Vanadium	50	.5									
Zinc	20	3									

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31670
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032216M2.ICP
 QC Limits: result < RL

Date Analyzed: 03/22/16
 Run ID: MA13047

Methods: SW846 6010C
 Units: ug/l

Metal	RL	IDL	Time:							
			Sample ID:	12:51 CCB4	13:18 CCB5	14:13 CCB6	15:07 CCB7	raw	final	raw
Aluminum	200	14								
Antimony	6.0	1								
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2								
Cadmium	5.0	.2	anr							
Calcium	1000	50								
Chromium	10	1	anr							
Cobalt	50	.2								
Copper	25	1								
Iron	300	17								
Lead	5.0	1	0.40	<5.0	0.70	<5.0	0.30	<5.0	0.50	<5.0
Magnesium	5000	35								
Manganese	15	.5								
Molybdenum	50	.3								
Nickel	40	.4								
Potassium	10000	200								
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.1								
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5								
Zinc	20	3								

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31670
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032216M2.ICP
 QC Limits: result < RL

Date Analyzed: 03/22/16
 Run ID: MA13047

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		16:00		16:52		17:28	
	Sample ID:	RL	IDL	CCB8	final	CCB9	final	CCB10
Aluminum	200	14						
Antimony	6.0	1						
Arsenic	10	1.3	anr					
Barium	200	1	anr					
Beryllium	4.0	.2						
Cadmium	5.0	.2	anr					
Calcium	1000	50						
Chromium	10	1	anr					
Cobalt	50	.2						
Copper	25	1						
Iron	300	17						
Lead	5.0	1	0.20	<5.0	0.10	<5.0	0.30	<5.0
Magnesium	5000	35						
Manganese	15	.5						
Molybdenum	50	.3						
Nickel	40	.4						
Potassium	10000	200						
Selenium	10	2.4	anr					
Silver	10	.7	anr					
Sodium	10000	500	anr					
Strontium	10	.5						
Thallium	10	1.1						
Tin	50	.9						
Titanium	10	.5						
Vanadium	50	.5						
Zinc	20	3						

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31670
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032216M2.ICP Date Analyzed: 03/22/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13047 Units: ug/l

Metal	Time:		09:52		10:18		11:13		
	Sample ID:	ICV	ICV1	CCV	CCV1	CCV	CCV2		
	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper									
Iron									
Lead	2000	1990	99.5	2000	1990	99.5	2000	1950	97.5
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
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CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31670
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032216M2.ICP Date Analyzed: 03/22/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13047 Units: ug/l

Metal	Sample ID	Time: CCV	12:07		12:47		13:12			
			CCV3	Results	CCV4	Results	CCV5	Results		
		True		% Rec	True	% Rec	True	% Rec		
Aluminum										
Antimony										
Arsenic	anr									
Barium	anr									
Beryllium										
Cadmium	anr									
Calcium										
Chromium	anr									
Cobalt										
Copper										
Iron										
Lead	2000		1900	95.0	2000	1880	94.0	2000	1970	98.5
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium	anr									
Silver	anr									
Sodium	anr									
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31670
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032216M2.ICP Date Analyzed: 03/22/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13047 Units: ug/l

Metal	Sample ID	CCV	14:09 CCV6		15:03 CCV7		15:56 CCV8			
			Results	% Rec	Results	% Rec	Results	% Rec		
Aluminum										
Antimony										
Arsenic	anr									
Barium	anr									
Beryllium										
Cadmium	anr									
Calcium										
Chromium	anr									
Cobalt										
Copper										
Iron										
Lead	2000		1980	99.0	2000	1950	97.5	2000	1940	97.0
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium	anr									
Silver	anr									
Sodium	anr									
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31670
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032216M2.ICP Date Analyzed: 03/22/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13047 Units: ug/l

Metal	Time: 16:48		% Rec	Time: 17:23		% Rec
	Sample ID: CCV	CCV9		Sample ID: CCV	CCV10	
Aluminum	True	Results		True	Results	
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper						
Iron						
Lead	2000	1910	95.5	2000	1870	93.5
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium	anr					
Silver	anr					
Sodium	anr					
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
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HIGH STANDARD CHECK SUMMARY

Login Number: FA31670
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032216M2.ICP Date Analyzed: 03/22/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13047 Units: ug/l

Time:	09:46
Sample ID: HSTD	HSTD1
Metal	True
Results	% Rec

Aluminum			
Antimony			
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium	anr		
Calcium			
Chromium	anr		
Cobalt			
Copper			
Iron			
Lead	4000	3970	99.3
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA31670
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032216M2.ICP Date Analyzed: 03/22/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13047 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	10:03 CRIA1 Results	% Rec	17:10 CRIA2 Results	% Rec
Metal						
Aluminum	400	200				
Antimony	10	5.0				
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0	anr			
Calcium	2000	1000				
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25				
Iron	600	300				
Lead	10	5.0	5.0	100.0	5.0	100.0
Magnesium	10000	5000				
Manganese	30	15				
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000				
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20				

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA31670
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032216M2.ICP Date Analyzed: 03/22/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13047 Units: ug/l

Time:	10:06	10:12	17:14	17:19						
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2						
Metal	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum	500000	500000	502000	100.4	505000	101.0	503000	100.6	521000	104.2
Antimony		1000	1.7		1030	103.0	0.30		1020	102.0
Arsenic		1000	-0.60		1090	109.0	1.7		1100	110.0
Barium		500	-0.30		513	102.6	-0.10		542	108.4
Beryllium		500	0.10		504	100.8	0.0		501	100.2
Cadmium		1000	0.0		960	96.0	-1.3		979	97.9
Calcium	500000	500000	491000	98.2	486000	97.2	464000	92.8	476000	95.2
Chromium		500	0.0		511	102.2	-0.20		496	99.2
Cobalt		500	-0.50		474	94.8	0.0		497	99.4
Copper		500	0.40		543	108.6	1.3		546	109.2
Iron	200000	200000	188000	94.0	188000	94.0	185000	92.5	191000	95.5
Lead		1000	-0.20		947	94.7	-5.9		910	91.0
Magnesium	500000	500000	529000	105.8	522000	104.4	495000	99.0	506000	101.2
Manganese		500	0.30		511	102.2	-0.20		473	94.6
Molybdenum		1000	-0.50		941	94.1	-1.4		987	98.7
Nickel		1000	0.60		952	95.2	0.50		953	95.3
Potassium			142		115		53.5		61.1	
Selenium		1000	0.0		1010	101.0	-0.60		1030	103.0
Silver		1000	0.10		1060	106.0	-0.50		1040	104.0
Sodium			175		169		115		123	
Strontium		1000	0.20		1020	102.0	0.20		998	99.8
Thallium		1000	1.0		941	94.1	-0.30		897	89.7
Tin		1000	1.3		929	92.9	1.6		899	89.9
Titanium		1000	0.70		965	96.5	0.80		901	90.1
Vanadium		500	-0.30		471	94.2	0.50		438	87.6
Zinc		1000	-3.3		958	95.8	-3.4		946	94.6

(*) Outside of QC limits
(anr) Analyte not requested

6.2.6
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA31670
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30039
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/29/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	14	14		
Antimony	6.0	1	1		
Arsenic	10	1.3	1.3		
Barium	200	1	1		
Beryllium	4.0	.2	.2		
Cadmium	5.0	.2	.2		
Calcium	1000	50	50		
Chromium	10	1	1		
Cobalt	50	.2	.2		
Copper	25	1	1		
Iron	300	17	17		
Lead	5.0	1	1.1	0.10	<5.0
Magnesium	5000	35	35		
Manganese	15	.5	1		
Molybdenum	50	.3	.3		
Nickel	40	.4	.4		
Potassium	10000	200	200		
Selenium	10	2.4	2.9		
Silver	10	.7	.7		
Sodium	10000	500	500		
Strontium	10	.5	.5		
Thallium	10	1.1	1.4		
Tin	50	.9	1		
Titanium	10	.5	1		
Vanadium	50	.5	.6		
Zinc	20	3	4.4		

Associated samples MP30039: FA31670-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.3.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31670
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30039
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 02/29/16 02/29/16

Metal	FA31627-2 Original DUP	RPD	QC Limits	FA31627-2 Original MS	Spikelot MPFLICP2 % Rec	QC Limits
Aluminum						
Antimony						
Arsenic	anr					
Barium						
Beryllium						
Cadmium	anr					
Calcium						
Chromium						
Cobalt						
Copper	anr					
Iron	anr					
Lead	0.0 0.0	NC	0-20	0.0 507	500	101.4 80-120
Magnesium						
Manganese	anr					
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP30039: FA31670-1

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.3.2
 6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31670
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30039
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 02/29/16

Metal	FA31627-2 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit		
Aluminum						
Antimony						
Arsenic	anr					
Barium						
Beryllium						
Cadmium	anr					
Calcium						
Chromium						
Cobalt						
Copper	anr					
Iron	anr					
Lead	0.0	516	500	103.2	1.8	20
Magnesium						
Manganese	anr					
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP30039: FA31670-1

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.3.2
 6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA31670
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30039
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 02/29/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium				
Beryllium				
Cadmium	anr			
Calcium				
Chromium				
Cobalt				
Copper	anr			
Iron	anr			
Lead	515	500	103.0	80-120
Magnesium				
Manganese	anr			
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP30039: FA31670-1

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.3.3
 6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA31670
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30039
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 02/29/16

Metal	FA31627-2	Original	SDL 1:5	%DIF	QC Limits
Aluminum					
Antimony					
Arsenic	anr				
Barium					
Beryllium					
Cadmium	anr				
Calcium					
Chromium					
Cobalt					
Copper	anr				
Iron	anr				
Lead	0.00	0.00	NC		0-10
Magnesium					
Manganese	anr				
Molybdenum					
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc	anr				

Associated samples MP30039: FA31670-1

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.3.4
 6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA31670
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30039
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date:

02/29/16

Metal	Sample ml	Final ml	FA31627-2 Raw	PS Corr.** ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	9.8	10		49.2	0.2	2.5	50	98.4	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP30039: FA31670-1

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (**) Corr. sample result = Raw * (sample volume / final volume)
 (anr) Analyte not requested

6.3.5
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA31670
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30149
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 03/22/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	100	7	18		
Antimony	10	.5	.65		
Arsenic	5.0	.65	1		
Barium	100	.5	.5		
Beryllium	2.5	.1	.25		
Cadmium	2.0	.1	.25		
Calcium	2500	25	25		
Chromium	5.0	.5	.5		
Cobalt	25	.1	.25		
Copper	13	.5	.5		
Iron	150	8.5	8.5		
Lead	10	.5	.5	0.19	<10
Magnesium	2500	18	18		
Manganese	7.5	.25	.25		
Molybdenum	25	.15	.25		
Nickel	20	.2	.25		
Potassium	5000	100	100		
Selenium	10	1.2	1.2		
Silver	5.0	.35	.41		
Sodium	5000	250	250		
Strontium	5.0	.25	.25		
Thallium	5.0	.55	.55		
Tin	25	.45	.45		
Titanium	5.0	.25	.25		
Vanadium	25	.25	.25		
Zinc	10	1.5	1.5		

Associated samples MP30149: FA31670-2, FA31670-5, FA31670-6, FA31670-9, FA31670-12, FA31670-15, FA31670-18, FA31670-21

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.4.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31670
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30149
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 03/22/16 03/22/16

Metal	FA31669-2		RPD	QC Limits	FA31669-2		RPD	QC Limits
	Original	DUP			Original	DUP		
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead	12.9	12.8	0.8	0-20	12.9	13.2	2.3	0-20
Magnesium								
Manganese								
Molybdenum								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Strontium								
Thallium								
Tin								
Titanium								
Vanadium								
Zinc								

Associated samples MP30149: FA31670-2, FA31670-5, FA31670-6, FA31670-9, FA31670-12, FA31670-15, FA31670-18, FA31670-21

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.4.2
 6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31670
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30149
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 03/22/16

Metal	FA31669-2 Original MS	Spikelot MPFLICP2 % Rec	QC Limits
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead	12.9 23.0	4.89	103.2 80-120
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

Associated samples MP30149: FA31670-2, FA31670-5, FA31670-6, FA31670-9, FA31670-12, FA31670-15, FA31670-18, FA31670-21

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.4.2
 6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31670
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30149
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 03/22/16

Metal	FA31669-2 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	12.9 23.3	4.95 105.0	1.3	20
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30149: FA31670-2, FA31670-5, FA31670-6, FA31670-9, FA31670-12, FA31670-15, FA31670-18, FA31670-21

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.4.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA31670
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30149
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 03/22/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	53.2	25	106.3	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30149: FA31670-2, FA31670-5, FA31670-6, FA31670-9, FA31670-12, FA31670-15, FA31670-18, FA31670-21

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.3
6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA31670
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30149
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/22/16

Metal	FA31669-2	QC
	Original SDL 5:25 %DIF	Limits

Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	675	697	3.2	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30149: FA31670-2, FA31670-5, FA31670-6, FA31670-9, FA31670-12, FA31670-15, FA31670-18, FA31670-21

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA31670
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30149
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date:

03/22/16

Metal	Sample ml	Final ml	FA31669-2 Raw	PS Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead	9.8	10	675.3	661.794	710.7	0.2	2.5	50	97.8	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP30149: FA31670-2, FA31670-5, FA31670-6, FA31670-9, FA31670-12, FA31670-15, FA31670-18, FA31670-21

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (**) Corr. sample result = Raw * (sample volume / final volume)
 (anr) Analyte not requested

6.4.5
6

Instrument Detection Limits

Job Number: FA31670
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1	Effective Date: 01/27/15
-------------------------	--------------------------

Analyte	IDL ug/l
Aluminum	14
Antimony	1
Arsenic	1.3
Barium	1
Beryllium	.2
Cadmium	.2
Calcium	50
Chromium	1
Cobalt	.2
Copper	1
Iron	17
Lead	1
Magnesium	35
Manganese	.5
Molybdenum	.3
Nickel	.4
Potassium	200
Selenium	2.4
Silicon	5
Silver	.7
Sodium	500
Strontium	.5
Sulfur	5
Thallium	1.1
Tin	.9
Titanium	.5
Vanadium	.5
Zinc	3

The above applies to the following instrument runs:
MA12998,MA13047

6.5
6

Instrument Linear Ranges

Job Number: FA31670
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1

Effective Date: 08/13/13

Analyte	Linear Range ug/l
Aluminum	500000
Antimony	10000
Arsenic	10000
Barium	10000
Beryllium	10000
Cadmium	10000
Calcium	500000
Chromium	10000
Cobalt	10000
Copper	10000
Iron	500000
Lead	10000
Magnesium	500000
Manganese	10000
Molybdenum	10000
Nickel	10000
Potassium	80000
Selenium	10000
Silver	1000
Sodium	80000
Strontium	10000
Sulfur	10000
Thallium	10000
Tin	10000
Titanium	10000
Vanadium	10000
Zinc	10000

The above applies to the following instrument runs:
MA12998,MA13047

Metals Analysis

Raw Data

Sample Name: HSTD Acquired: 2/29/2016 10:29:46 Type: QC
 Method: 60102007_042011(v887) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5048	81.23	4.024	3.993	4.004	80.72	4.002	3.991	4.025
Stddev	.0028	.08	.020	.019	.021	.41	.011	.014	.006
%RSD	.5579	.0970	.4915	.4684	.5161	.5137	.2723	.3487	.1456

#1	.5050	81.31	4.002	3.973	4.026	81.17	3.993	3.977	4.024
#2	.5075	81.23	4.040	4.010	3.999	80.64	4.014	4.005	4.032
#3	.5019	81.16	4.029	3.996	3.986	80.35	4.001	3.992	4.020

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.989	81.23	81.25	81.28	3.998	4.006	81.17	3.992	4.063
Stddev	.007	.35	.22	1.03	.027	.012	.10	.009	.009
%RSD	.1785	.4280	.2764	1.266	.6698	.2897	.1225	.2297	.2309

#1	3.986	81.63	81.25	82.45	4.000	3.994	81.12	3.983	4.054
#2	3.998	81.04	81.48	80.87	3.971	4.016	81.29	4.001	4.061
#3	3.985	81.02	81.03	80.52	4.024	4.008	81.11	3.992	4.073

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.995	4.000	4.419	3.990	3.999	4.009	4.006	4.058	4.023
Stddev	.010	.014	.015	.005	.014	.039	.010	.016	.007
%RSD	.2472	.3431	.3469	.1220	.3455	.9707	.2605	.3932	.1873

#1	3.984	3.985	4.402	3.984	4.006	4.044	3.994	4.051	4.018
#2	4.001	4.002	4.432	3.993	4.009	4.017	4.011	4.076	4.032
#3	4.000	4.012	4.422	3.993	3.984	3.967	4.013	4.047	4.020

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 2/29/2016 10:29:46 Type: QC
 Method: 60102007_042011(v887) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2075.6	4554.2	35133.	3406.8
Stddev	7.0	19.6	69.	24.4
%RSD	.33912	.42960	.19766	.71736

#1	2083.5	4574.9	35069.	3388.0
#2	2073.4	4536.0	35123.	3434.4
#3	2069.9	4551.6	35207.	3397.9

Sample Name: ICV Acquired: 2/29/2016 10:36:28 Type: QC
 Method: 60102007_042011(v887) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2561	41.97	2.043	2.135	2.101	43.19	2.075	2.086	2.060
Stddev	.0008	.06	.003	.010	.010	.12	.002	.002	.001
%RSD	.3198	.1504	.1334	.4623	.4674	.2719	.0728	.0811	.0491

#1	.2561	42.04	2.045	2.146	2.112	43.31	2.077	2.088	2.059
#2	.2569	41.92	2.040	2.128	2.096	43.18	2.074	2.084	2.061
#3	.2553	41.94	2.045	2.131	2.095	43.08	2.074	2.086	2.060

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.036	42.83	42.77	42.99	2.126	1.973	43.05	2.096	2.060
Stddev	.002	.18	.20	.21	.002	.002	.18	.001	.004
%RSD	.0729	.4213	.4708	.4907	.0982	.0803	.4246	.0466	.2073

#1	2.035	43.03	43.00	43.06	2.124	1.975	43.25	2.097	2.060
#2	2.037	42.80	42.62	43.16	2.125	1.973	42.89	2.095	2.063
#3	2.035	42.67	42.70	42.76	2.128	1.972	43.01	2.096	2.055

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.075	2.083	.0637	2.111	2.002	2.018	2.132	1.951	2.087
Stddev	.002	.002	.0007	.003	.010	.002	.003	.002	.001
%RSD	.0795	.0737	1.040	.1242	.5057	.1165	.1508	.0768	.0263

#1	2.077	2.085	.0640	2.111	2.011	2.017	2.134	1.950	2.087
#2	2.075	2.083	.0630	2.108	1.991	2.016	2.134	1.951	2.086
#3	2.074	2.082	.0642	2.113	2.003	2.021	2.128	1.953	2.086

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 2/29/2016 10:36:28 Type: QC
 Method: 60102007_042011(v887) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2250.5	4713.2	36505.	3488.2
Stddev	3.2	12.1	37.	21.2
%RSD	.14252	.25611	.10258	.60706

#1	2250.4	4713.8	36471.	3498.5
#2	2253.7	4725.0	36498.	3463.9
#3	2247.3	4700.9	36545.	3502.3

Sample Name: ICB Acquired: 2/29/2016 10:43:03 Type: QC
 Method: 60102007_042011(v887) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	-0.020	-0.007	-0.002	0.000	0.005	0.000	-0.001	-0.001
Stddev	.0002	.0033	.0006	.0003	.0000	.0036	.0000	.0001	.0003
%RSD	82.39	163.0	96.19	142.7	952.0	801.2	129.7	125.2	221.4
#1	-0.005	-0.042	.0000	-0.002	.0000	-0.037	.0000	-0.002	-0.003
#2	.0000	.0018	-0.009	-0.005	.0000	.0026	.0000	.0000	-0.002
#3	-0.003	-0.036	-0.012	.0001	.0000	.0025	.0001	-0.002	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.023	-0.195	-0.145	-0.001	0.003	0.072	-0.001	0.003
Stddev	.0002	.0025	.0470	.0148	.0000	.0002	.0078	.0000	.0002
%RSD	114.8	111.5	240.7	102.1	9.987	68.23	108.1	75.08	94.52
#1	-0.001	-0.003	-0.111	-0.105	-0.001	.0005	.0124	.0000	.0005
#2	-0.001	.0023	-0.702	-0.308	-0.001	.0002	.0109	-0.001	.0003
#3	-0.005	.0048	.0227	-0.021	-0.001	.0001	-0.017	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.007	-0.011	0.006	-0.001	0.002	-0.001	0.000	-0.002
Stddev	.0008	.0005	.0002	.0001	.0001	.0000	.0006	.000	.0001
%RSD	326.9	77.94	17.36	14.51	52.80	16.07	782.3	482.8	24.55
#1	-0.011	.0002	-0.013	.0005	.0000	.0002	.0004	-0.002	-0.003
#2	.0001	.0013	-0.011	.0005	-0.001	.0003	-0.007	.0000	-0.002
#3	.0003	.0006	-0.009	.0007	-0.001	.0002	.0001	.0001	-0.002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 2/29/2016 10:43:03 Type: QC
 Method: 60102007_042011(v887) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2786.5	5147.4	39594.	3604.9
Stddev	4.8	3.1	80.	38.5
%RSD	.17112	.05939	.20193	1.0687
#1	2790.3	5144.8	39608.	3629.3
#2	2781.1	5146.7	39508.	3560.5
#3	2788.1	5150.8	39666.	3625.0

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.023	-0.195	-0.145	-0.001	0.003	0.072	-0.001	0.003
Stddev	.0002	.0025	.0470	.0148	.0000	.0002	.0078	.0000	.0002
%RSD	114.8	111.5	240.7	102.1	9.987	68.23	108.1	75.08	94.52
#1	-0.001	-0.003	-0.111	-0.105	-0.001	.0005	.0124	.0000	.0005
#2	-0.001	.0023	-0.702	-0.308	-0.001	.0002	.0109	-0.001	.0003
#3	-0.005	.0048	.0227	-0.021	-0.001	.0001	-0.017	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.007	-0.011	0.006	-0.001	0.002	-0.001	0.000	-0.002
Stddev	.0008	.0005	.0002	.0001	.0001	.0000	.0006	.000	.0001
%RSD	326.9	77.94	17.36	14.51	52.80	16.07	782.3	482.8	24.55
#1	-0.011	.0002	-0.013	.0005	.0000	.0002	.0004	-0.002	-0.003
#2	.0001	.0013	-0.011	.0005	-0.001	.0003	-0.007	.0000	-0.002
#3	.0003	.0006	-0.009	.0007	-0.001	.0002	.0001	.0001	-0.002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CRIA Acquired: 2/29/2016 10:46:52 Type: QC
 Method: 60102007_042011(v887) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.088	2.166	0.097	2.122	0.054	1.091	0.055	0.554	0.109
Stddev	.0002	.0064	.0003	.0015	.0000	.002	.0000	.0002	.0000
%RSD	2.337	2.959	3.392	6.880	.6547	.1566	.7541	.4155	.1725
#1	.088	.2208	.097	.2138	.054	1.089	.055	.552	.109
#2	.090	.2198	.101	.2116	.053	1.091	.055	.554	.109
#3	.086	.2092	.094	.2111	.054	1.092	.055	.557	.108

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0269	0.3318	10.60	5.470	0.171	0.523	10.69	0.450	0.054
Stddev	.0002	.0037	.07	.038	.0000	.0000	.07	.0002	.0002
%RSD	.7909	1.110	6.865	.6942	.2453	.0548	.6219	.3410	2.903
#1	.0271	.3327	10.65	5.436	.0171	.0523	10.74	.0448	.0053
#2	.0267	.3278	10.63	5.462	.0172	.0523	10.72	.0451	.0056
#3	.0268	.3350	10.51	5.511	.0172	.0522	10.61	.0450	.0054

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.055	0.101	0.420	0.567	0.106	0.108	0.101	0.513	0.223
Stddev	.0008	.0005	.0004	.0003	.0001	.0000	.0003	.0008	.0001
%RSD	15.15	4.769	8.574	.5353	.7232	.3254	2.538	1.612	.3482
#1	.046	.106	.420	.563	.105	.108	.100	.503	.223
#2	.062	.097	.417	.568	.106	.109	.100	.518	.223
#3	.058	.101	.424	.569	.107	.108	.104	.517	.224

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 2/29/2016 10:46:52 Type: QC
 Method: 60102007_042011(v887) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2583.8	4941.8	37513.	3465.3
Stddev	9.0	4.9	105.	3.2
%RSD	.34893	.09950	.28010	.09241
#1	2590.4	4947.4	37608.	3464.2
#2	2587.4	4940.1	37529.	3462.7
#3	2573.5	4938.0	37400.	3468.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0269	0.3318	10.60	5.470	0.171	0.523	10.69	0.450	0.054
Stddev	.0002	.0037	.07	.038	.0000	.0000	.07	.0002	.0002
%RSD	.7909	1.110	6.865	.6942	.2453	.0548	.6219	.3410	2.903
#1	.0271	.3327	10.65	5.436	.0171	.0523	10.74	.0448	.0053
#2	.0267	.3278	10.63	5.462	.0172	.0523	10.72	.0451	.0056
#3	.0268	.3350	10.51	5.511	.0172	.0522	10.61	.0450	.0054

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.055	0.101	0.420	0.567	0.106	0.108	0.101	0.513	0.223
Stddev	.0008	.0005	.0004	.0003	.0001	.0000	.0003	.0008	.0001
%RSD	15.15	4.769	8.574	.5353	.7232	.3254	2.538	1.612	.3482
#1	.046	.106	.420	.563	.105	.108	.100	.503	.223
#2	.062	.097	.417	.568	.106	.109	.100	.518	.223
#3	.058	.101	.424	.569	.107	.108	.104	.517	.224

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSA Acquired: 2/29/2016 10:53:09 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	518.8	-0.009	-0.001	-0.001	497.2	-0.005	-0.003	.0006
Stddev	.0002	5.5	.0012	.0003	.0000	2.3	.0001	.0001	.0004
%RSD	71.39	1.063	141.4	536.1	64.72	.4537	11.59	18.58	64.56
#1	-.0004	515.2	-.0008	-.0004	.0000	496.5	-.0006	-.0002	.0010
#2	-.0004	525.1	.0003	.0001	-.0001	499.7	-.0005	-.0003	.0008
#3	-.0000	515.9	-.0021	.0001	-.0001	495.3	-.0005	-.0003	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	195.9	.0024	533.7	-0.001	-0.004	.1385	.0004	.0001
Stddev	.0002	.2	.0444	1.4	.0000	.0001	.0095	.0003	.0017
%RSD	2450.	.0925	1820.	.2655	62.10	22.61	6.864	80.35	1386.
#1	-.0002	195.9	-.0421	534.3	.0000	-.0005	.1355	.0008	.0006
#2	.0001	196.1	.0467	534.8	-.0001	-.0003	.1308	.0002	-.0017
#3	.0001	195.7	.0027	532.1	-.0001	-.0005	.1491	.0003	.0015

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	.0000	.0192	F .0016	.0002	-0.003	-0.005	.0001	-.0026
Stddev	.0024	.0021	.0004	.0003	.0001	.0002	.0030	.0001	.0001
%RSD	200.5	102000.	2.295	17.74	53.32	49.97	547.8	164.7	4.949
#1	.0008	.0023	.0192	.0013	.0001	-.0003	.0003	.0001	-.0027
#2	.0038	-.0017	.0197	.0017	.0002	-.0002	-.0039	.0002	-.0026
#3	-.0010	-.0006	.0188	.0018	.0004	-.0005	.0019	-.0001	-.0025

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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7.1
7

Sample Name: ICSA Acquired: 2/29/2016 10:53:09 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1983.5	4347.5	32928.	3313.1
Stddev	6.1	11.1	135.	18.8
%RSD	.30639	.25579	.40883	.56723
#1	1985.7	4350.0	32978.	3330.0
#2	1976.6	4335.4	33031.	3292.8
#3	1988.1	4357.2	32776.	3316.6

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Sample Name: ICSAB Acquired: 2/29/2016 10:58:34 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.088	511.2	1.086	.5675	.5653	490.2	1.009	.5075	.5334
Stddev	.002	8.2	.002	.0021	.0033	9.0	.002	.0017	.0022
%RSD	.1727	1.606	.2026	.3776	.5838	1.835	.1596	.3430	.4169
#1	1.090	512.0	1.085	.5696	.5680	497.6	1.010	.5092	.5357
#2	1.088	502.7	1.088	.5675	.5616	480.2	1.009	.5074	.5313
#3	1.086	519.0	1.084	.5653	.5663	492.8	1.007	.5058	.5331

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5942	191.2	.0031	524.9	.5630	.9616	.1600	1.009	1.034
Stddev	.0008	1.7	.0140	6.9	.0018	.0019	.0093	.002	.004
%RSD	.1324	.8691	447.9	1.320	.3171	.2026	5.794	.1998	.4261
#1	.5950	192.5	.0059	529.5	.5650	.9637	.1493	1.010	1.033
#2	.5935	189.3	.0155	516.9	.5614	.9612	.1654	1.010	1.039
#3	.5940	191.7	-.0120	528.1	.5628	.9599	.1654	1.006	1.030

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.023	1.006	.0726	.9475	1.051	1.036	.9669	.5107	1.031
Stddev	.002	.004	.0003	.0028	.002	.002	.0025	.0007	.002
%RSD	.2003	.3586	.3578	.2980	.2202	.1714	.2614	.1450	.2017
#1	1.021	1.007	.0724	.9494	1.053	1.038	.9659	.5114	1.033
#2	1.025	1.008	.0726	.9488	1.048	1.035	.9697	.5109	1.032
#3	1.022	1.002	.0729	.9442	1.052	1.036	.9650	.5099	1.029

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: ICSAB Acquired: 2/29/2016 10:58:34 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1979.7	4408.8	32918.	3263.1
Stddev	3.6	4.2	108.	40.1
%RSD	.18308	.09513	.32908	1.2288
#1	1980.6	4405.2	32808.	3235.9
#2	1975.8	4407.9	32921.	3309.1
#3	1982.9	4413.4	33025.	3244.2

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Sample Name: CCV Acquired: 2/29/2016 11:08:05 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.505	40.90	2.038	2.058	2.066	41.12	2.057	2.053	2.061
Stddev	.0006	.15	.003	.012	.004	.12	.004	.004	.003
%RSD	.2451	.3632	.1599	.5718	.1895	.3003	.2106	.1927	.1621
#1	.2508	40.98	2.038	2.060	2.069	41.24	2.053	2.049	2.064
#2	.2498	40.99	2.041	2.068	2.062	41.00	2.062	2.057	2.059
#3	.2509	40.73	2.035	2.045	2.066	41.12	2.056	2.053	2.058

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.029	41.19	41.44	41.00	2.090	2.034	41.27	2.064	2.035
Stddev	.004	.14	.10	.22	.003	.005	.08	.002	.003
%RSD	.2077	.3419	.2292	.5461	.1542	.2364	.2017	.0868	.1521
#1	2.033	41.26	41.55	41.16	2.094	2.030	41.37	2.062	2.037
#2	2.029	41.27	41.38	40.75	2.089	2.039	41.26	2.066	2.031
#3	2.025	41.02	41.38	41.10	2.088	2.033	41.20	2.064	2.036

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.049	2.041	1.709	2.067	2.080	2.086	2.059	2.054	2.053
Stddev	.004	.006	.003	.002	.006	.005	.005	.005	.002
%RSD	.1895	.3088	.1948	.0840	.2904	.2217	.2213	.2506	.0944
#1	2.045	2.035	1.705	2.066	2.082	2.091	2.056	2.059	2.051
#2	2.053	2.048	1.711	2.065	2.084	2.085	2.058	2.053	2.055
#3	2.047	2.041	1.711	2.069	2.073	2.083	2.064	2.049	2.054

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 2/29/2016 11:08:05 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2266.0	4772.6	36688.	3440.0
Stddev	4.7	6.0	86.	25.0
%RSD	.20848	.12495	.23479	.72557
#1	2263.4	4777.4	36681.	3411.9
#2	2271.4	4765.9	36777.	3448.9
#3	2263.1	4774.4	36605.	3459.4

7.1
7

Sample Name: CCB Acquired: 2/29/2016 11:16:45 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.077	-0.002	-0.002	0.002	0.048	0.001	0.000	-0.001
Stddev	.0001	.0077	.0007	.0004	.0001	.0026	.0000	.0001	.0001
%RSD	119.0	99.96	408.3	190.0	51.48	53.98	48.67	227.6	106.5
#1	.0000	.0153	.0006	.0002	.0003	.0047	.0001	.0001	-.0002
#2	-.0002	.0080	-.0003	-.0004	.0001	.0023	.0000	-.0001	-.0003
#3	.0000	-.0001	-.0008	-.0005	.0002	.0075	.0001	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.001	0.024	-0.009	0.034	0.001	-0.002	0.253	0.001	-0.001
Stddev	.0000	.0020	.0266	.0174	.0000	.0002	.0059	.0001	.0003
%RSD	74.33	83.80	385.1	514.5	46.84	90.67	23.32	69.29	299.8
#1	.0001	.0011	.0238	-.0149	.0001	-.0002	.0295	.0000	.0002
#2	.0000	.0047	-.0221	.0051	.0001	.0000	.0278	.0001	-.0005
#3	.0001	.0013	-.0224	.0199	.0001	-.0003	.0185	.0002	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.005	-0.002	-0.008	0.003	0.001	-0.003	0.000	0.001	0.000
Stddev	.0005	.0021	.0002	.0002	.0001	.0001	.0007	.0003	.0001
%RSD	96.58	1082.	27.26	68.82	70.01	26.73	4043.	240.0	423.4
#1	.0010	.0006	-.0008	.0001	.0001	-.0003	.0007	.0003	.0001
#2	.0004	.0014	-.0006	.0002	.0000	-.0002	.0000	.0003	.0001
#3	.0001	-.0026	-.0011	.0005	.0001	-.0002	-.0007	-.0002	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 2/29/2016 11:16:45 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2757.0	5112.5	38833.	3476.9
Stddev	6.9	5.9	204.	4.6
%RSD	.25180	.11574	.52458	.13348
#1	2764.9	5118.9	39058.	3481.7
#2	2752.0	5111.6	38778.	3472.5
#3	2754.1	5107.1	38662.	3476.6

Sample Name: MP30039-MB1 Acquired: 2/29/2016 11:39:14 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	0.029	-0.016	-0.007	0.000	0.060	-0.001	0.000	0.004
Stddev	0.002	0.060	0.004	0.006	0.000	0.023	0.000	0.000	0.003
%RSD	50.69	206.1	22.59	77.68	337.4	38.05	71.87	175.9	60.57

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.041	0.059	0.076	0.000	-0.001	0.236	0.000	0.001
Stddev	0.001	0.021	0.180	0.032	0.000	0.001	0.024	0.000	0.002
%RSD	66.00	52.82	303.6	397.5	7.856	84.23	10.03	2650.	167.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.003	-0.003	0.064	0.004	0.000	-0.001	-0.011	-0.001	-0.002
Stddev	0.006	0.013	0.001	0.001	0.001	0.001	0.015	0.001	0.001
%RSD	209.2	450.2	1.996	26.60	384.3	53.07	133.9	110.8	62.13

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30039-MB1 Acquired: 2/29/2016 11:39:14 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2682.2	4949.9	38396.	3421.0
Stddev	7.8	16.8	132.	22.5
%RSD	.29231	.34033	.34253	.65869

#1 2688.8 4951.6 38353. 3395.3
 #2 2684.3 4965.9 38544. 3430.2
 #3 2673.5 4932.3 38292. 3437.5

7.1
7

Sample Name: MP30039-B1 Acquired: 2/29/2016 11:43:45 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.051	30.05	2.098	2.229	0.0569	27.98	0.543	0.5420	2.186
Stddev	0.005	0.06	0.09	0.04	0.003	0.04	0.002	0.025	0.015
%RSD	1.007	0.210	4.032	1.567	5.341	1.480	4.317	4.664	0.673

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.2774	29.52	28.01	27.98	0.5607	0.5384	28.22	0.5497	0.5152
Stddev	0.007	0.06	0.11	0.05	0.032	0.024	0.02	0.011	0.014
%RSD	2.679	1.949	3.869	1.853	5.648	4.411	0.870	1.994	2.797

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.5352	2.114	0.195	0.5504	0.5496	0.5533	2.095	0.5147	0.5396
Stddev	0.017	0.015	0.004	0.015	0.013	0.033	0.005	0.028	0.005
%RSD	3.164	0.6888	2.253	2.782	2.430	5.984	2.263	5.406	0.961

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30039-B1 Acquired: 2/29/2016 11:43:45 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2358.9	4767.5	36666.	3391.7
Stddev	12.2	25.5	233.	3.1
%RSD	.51804	.53468	.63669	.09066

#1 2347.3 4741.4 36484. 3393.0
 #2 2357.7 4768.7 36929. 3388.2
 #3 2371.7 4792.4 36584. 3393.9

Sample Name: FA31627-2 Acquired: 2/29/2016 11:47:56 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.0433	0.0054	0.0784	-0.0001	78.58	-0.0001	0.0007	0.0004
Stddev	0.0000	0.0080	0.0007	0.0002	0.0001	.47	0.0000	0.0001	0.0002
%RSD	10.12	18.37	13.53	3.001	56.53	6.028	27.38	7.684	61.47
#1	-0.003	0.0379	0.0046	0.0783	-0.0002	78.11	-0.0001	0.0007	0.0007
#2	-0.002	0.0525	0.0059	0.0783	-0.0001	78.57	-0.0001	0.0007	0.0002
#3	-0.002	0.0397	0.0058	0.0787	0.0000	79.06	-0.0001	0.0008	0.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	-0.0001	1.888	9.275	23.25	3.869	0.043	5.021	0.0086	0.0004
Stddev	0.0001	0.009	0.051	0.31	0.0053	0.0002	0.009	0.0001	0.0008
%RSD	171.4	4.701	5.538	1.327	1.358	3.572	1.889	1.286	192.6
#1	-0.001	1.885	9.231	23.00	3.844	0.044	5.023	0.0085	0.0011
#2	-0.001	1.882	9.262	23.16	3.833	0.041	5.011	0.0087	0.0007
#3	0.001	1.899	9.332	23.59	3.929	0.043	5.030	0.0085	-0.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0005	-0.0009	2.268	0.0004	1.181	0.014	-0.0007	0.0000	0.5632
Stddev	0.0006	0.0019	0.015	0.0003	0.003	0.0001	0.0012	0.0001	0.0032
%RSD	118.8	210.2	6.491	79.27	2.090	7.709	172.2	416.1	5.605
#1	0.0001	-0.0004	2.283	0.0006	1.181	0.015	-0.0013	0.0000	0.5645
#2	0.0002	-0.0031	2.267	0.0005	1.178	0.014	-0.0016	0.0001	0.5654
#3	0.0012	0.0007	2.254	0.0000	1.183	0.013	0.0007	-0.0001	0.5596
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2384.3	4652.1	3645.4	3404.1					
Stddev	19.9	27.4	275.	44.6					
%RSD	0.83533	0.58804	0.75392	1.3095					
#1	2370.6	4624.5	3663.0	3455.6					
#2	2375.0	4652.6	3659.4	3379.9					
#3	2407.1	4679.2	3613.7	3376.9					

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Sample Name: MP30039-D1 Acquired: 2/29/2016 11:52:21 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0003	0.0359	0.0051	0.0772	0.0000	77.45	-0.0001	0.0009	0.0003
Stddev	0.0001	0.0145	0.0001	0.0010	0.0000	.15	0.0000	0.0000	0.0002
%RSD	35.27	40.36	1.698	1.251	701.1	0.1910	35.84	3.402	50.03
#1	-0.0002	0.0410	0.0052	0.0767	-0.0001	77.50	-0.0001	0.0009	0.0003
#2	-0.0003	0.0195	0.0050	0.0766	0.0002	77.29	-0.0001	0.0008	0.0005
#3	-0.0004	0.0471	0.0051	0.0783	-0.0001	77.57	-0.0001	0.0009	0.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	0.0001	1.867	9.181	22.90	3.794	0.039	4.963	0.0083	0.0004
Stddev	0.0003	0.011	0.103	0.06	0.0016	0.0001	0.023	0.0001	0.0005
%RSD	221.1	0.5634	1.125	0.2502	0.4199	2.633	0.4647	1.789	130.7
#1	-0.0001	1.855	9.254	22.95	3.796	0.040	4.943	0.0084	-0.0002
#2	0.0000	1.870	9.063	22.84	3.808	0.038	4.958	0.0084	0.0005
#3	0.0005	1.875	9.227	22.93	3.777	0.039	4.989	0.0081	0.0008
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0004	-0.0015	2.211	-0.0002	1.165	0.010	-0.0008	-0.0002	0.5468
Stddev	0.0003	0.0003	0.006	0.0004	0.009	0.0003	0.0012	0.0000	0.0021
%RSD	90.02	22.85	0.2531	244.9	0.7726	33.50	154.6	25.13	3.843
#1	0.0000	-0.0019	2.206	0.0001	1.165	0.008	-0.0003	-0.0002	0.5483
#2	0.0004	-0.0014	2.210	-0.0006	1.156	0.008	-0.0022	-0.0002	0.5444
#3	0.0006	-0.0012	2.217	0.0001	1.174	0.014	-0.0001	-0.0001	0.5477
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2444.4	4737.2	3706.6	3390.5					
Stddev	4.6	5.3	122.	14.1					
%RSD	0.19007	0.11126	0.32782	0.41710					
#1	2439.1	4740.7	3711.0	3395.5					
#2	2446.3	4739.6	3692.9	3401.5					
#3	2447.7	4731.1	3715.9	3374.6					

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Sample Name: MP30039-SD1 Acquired: 2/29/2016 11:56:46 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0001	0.0314	0.0013	0.0717	-0.0001	74.12	-0.0004	0.0007	-0.0013
Stddev	0.0007	0.0393	0.0030	0.0005	0.0003	.34	0.0002	0.0003	0.0015
%RSD	796.4	125.3	224.5	6.969	249.7	4.539	45.71	47.31	113.0
#1	0.0002	0.0287	0.0030	0.0717	-0.0004	74.28	-0.0003	0.0010	-0.0013
#2	-0.0009	-0.0065	-0.0021	0.0712	0.0002	73.74	-0.0007	0.0003	-0.0028
#3	0.0005	0.0720	0.0030	0.0721	-0.0001	74.35	-0.0004	0.0008	0.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0015	1.763	8.624	21.87	3.645	0.007	4.836	0.0079	-0.0011
Stddev	0.0009	0.020	0.103	0.08	0.0003	0.0003	0.018	0.0010	0.0011
%RSD	58.20	1.129	1.191	0.3474	0.0717	42.79	0.3768	12.58	95.20
#1	-0.0024	1.742	8.697	21.87	3.642	0.009	4.848	0.0088	-0.0021
#2	-0.0007	1.767	8.506	21.80	3.645	0.004	4.815	0.0081	-0.0014
#3	-0.0014	1.781	8.668	21.95	3.647	0.008	4.845	0.0068	0.0000
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0008	-0.0058	2.115	0.0004	1.116	-0.0001	-0.0042	-0.0005	0.5589
Stddev	0.0031	0.0091	0.004	0.0014	0.006	0.0008	0.018	0.0002	0.0018
%RSD	393.8	157.0	0.1761	354.1	0.5223	951.0	43.71	41.75	0.3286
#1	-0.0018	-0.0156	2.110	0.0020	1.116	-0.0005	-0.0053	-0.0007	0.5594
#2	-0.0001	-0.0024	2.117	-0.0002	1.110	-0.0006	-0.0021	-0.0006	0.5604
#3	0.0042	-0.0041	2.116	-0.0006	1.122	0.0008	-0.0051	-0.0003	0.5568
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2575.1	4808.1	3758.6	3404.3					
Stddev	10.7	5.2	138.	17.5					
%RSD	0.41519	0.10856	0.36671	0.51405					
#1	2565.8	4802.3	3750.5	3386.8					
#2	2572.7	4809.5	3750.7	3421.8					
#3	2586.8	4812.5	3774.5	3404.3					

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Sample Name: MP30039-PS1 Acquired: 2/29/2016 12:01:13 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0472	2.631	1.094	3.446	0.0517	80.50	0.0518	0.0529	0.0515
Stddev	0.0003	0.018	0.0008	0.0015	0.0002	.49	0.0001	0.0001	0.0002
%RSD	6.224	6.930	0.7022	4.283	0.4482	6.132	2.294	2.042	4.600
#1	0.0473	2.610	1.089	3.443	0.0518	80.83	0.0519	0.0530	0.0516
#2	0.0469	2.643	1.090	3.462	0.0518	80.73	0.0517	0.0529	0.0517
#3	0.0474	2.639	1.103	3.433	0.0514	79.93	0.0519	0.0528	0.0513
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.1059	4.933	19.07	26.96	4.128	1.066	15.15	1.107	0.0492
Stddev	0.0004								

Sample Name: MP30039-S1 Acquired: 2/29/2016 12:05:29 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0493	30.49	2.083	2.302	0.0564	106.2	0.0527	5.291	2.151
Stddev	.0008	.04	.007	.009	.0002	.2	.0002	.0018	.0002
%RSD	1.590	.1273	.3549	.3758	.3980	.2073	.3230	.3492	.1157
#1	.0499	30.53	2.091	2.312	.0566	106.4	.0529	5.308	2.153
#2	.0484	30.46	2.083	2.297	.0565	105.9	.0527	5.293	2.153
#3	.0496	30.48	2.076	2.296	.0562	106.3	.0526	5.271	2.149
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.754	31.28	37.29	50.88	9.233	5.389	33.18	5.373	5.072
Stddev	.0012	.08	.16	.14	.0018	.0024	.07	.0016	.0023
%RSD	.4291	.2553	.4420	.2800	.1907	.4379	.2236	.3028	.4445
#1	.2763	31.37	37.40	50.99	9.253	5.408	33.25	5.391	5.085
#2	.2759	31.24	37.10	50.72	9.223	5.397	33.10	5.369	5.084
#3	.2741	31.23	37.37	50.93	9.223	5.363	33.18	5.359	5.046
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.287	2.081	2.188	5.311	1.717	5.464	2.034	5.044	1.052
Stddev	.0019	.012	.007	.0031	.007	.0019	.015	.0002	.004
%RSD	.3630	.5956	.3408	.5823	.4185	.3482	.7532	.0391	.4009
#1	5.296	2.096	2.192	5.327	1.725	5.484	2.050	5.045	1.056
#2	5.301	2.072	2.194	5.331	1.711	5.460	2.033	5.042	1.053
#3	5.266	2.076	2.180	5.276	1.717	5.447	2.020	5.046	1.047
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2284.7	4704.1	36299.	3290.1					
Stddev	11.2	15.2	112.	23.7					
%RSD	48976	32232	30886	71972					
#1	2272.5	4687.9	36188.	3303.1					
#2	2287.0	4706.3	36412.	3304.4					
#3	2294.5	4718.0	36296.	3262.7					

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Sample Name: MP30039-S2 Acquired: 2/29/2016 12:09:40 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0505	31.11	2.115	2.347	0.0577	107.7	0.0535	5.388	2.200
Stddev	.0004	.07	.015	.007	.0003	.4	.0005	.0040	.0014
%RSD	.7864	.2339	.7004	.2937	.5452	.3456	1.004	.7515	.6303
#1	.0504	31.20	2.128	2.352	.0580	108.1	.0541	5.432	2.216
#2	.0502	31.09	2.119	2.339	.0577	107.8	.0533	5.380	2.192
#3	.0509	31.06	2.099	2.349	.0574	107.3	.0531	5.352	2.192
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.819	31.89	37.83	51.85	9.452	5.477	33.63	5.461	5.155
Stddev	.0026	.21	.05	.23	.0057	.0042	.08	.0037	.0036
%RSD	.9264	.6600	.1272	.4473	.6032	.7740	.2503	.6806	.7032
#1	2.849	32.13	37.86	51.82	9.517	5.515	33.71	5.501	5.193
#2	2.802	31.82	37.87	52.10	9.412	5.486	33.54	5.453	5.151
#3	2.807	31.73	37.78	51.64	9.427	5.432	33.63	5.428	5.121
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.362	2.115	2.228	5.413	1.749	5.616	2.066	5.139	1.066
Stddev	.0052	.017	.016	.0037	.007	.0046	.014	.0028	.010
%RSD	.9631	.7886	.7227	.6797	.4291	8237	.6511	.5455	.9407
#1	5.403	2.132	2.243	5.451	1.758	5.636	2.078	5.172	1.078
#2	5.379	2.113	2.229	5.409	1.743	5.563	2.069	5.125	1.063
#3	5.304	2.099	2.211	5.378	1.747	5.648	2.051	5.121	1.058
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2257.3	4647.9	35571.	3234.8					
Stddev	16.9	35.9	217.	5.7					
%RSD	.74797	.77187	.60973	.17664					
#1	2241.3	4614.0	35324.	3238.8					
#2	2255.7	4644.3	35658.	3228.3					
#3	2274.9	4685.5	35731.	3237.4					

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7.1
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Sample Name: FA31627-1 Acquired: 2/29/2016 12:13:51 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.259	0.157	1.145	0.000	73.89	-0.002	0.002	0.003
Stddev	.0001	.0056	.0007	.0012	.000	.21	.0000	.0001	.0001
%RSD	37.28	21.45	4.347	1.058	114.3	2823	27.44	27.94	36.89
#1	-0.001	0.280	0.158	1.134	0.000	73.66	-0.002	0.002	0.002
#2	-0.002	0.301	0.163	1.142	0.000	73.94	-0.002	0.003	0.005
#3	-0.003	0.196	0.149	1.158	-0.001	74.07	-0.001	0.002	0.003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.003	3.697	20.06	27.71	3.870	0.021	8.199	0.153	-0.002
Stddev	.0002	.016	.07	.11	.0026	.0001	.048	.0002	.0005
%RSD	61.04	.4318	.3524	.3934	.6624	5.891	5.899	1.117	190.3
#1	-0.001	3.690	19.99	27.59	3.847	0.023	8.159	0.154	-0.007
#2	-0.005	3.715	20.06	27.79	3.898	0.021	8.184	0.154	-0.002
#3	-0.003	3.686	20.13	27.75	3.866	0.020	8.253	0.151	-0.003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.011	0.002	2.961	0.003	9.499	0.009	-0.006	-0.003	0.619
Stddev	.0012	.0024	.021	.0004	.0040	.0000	.0009	.0002	.0004
%RSD	110.6	978.8	.7083	121.3	.4227	4.499	149.5	56.52	.6289
#1	.004	.0027	2.982	.000	9.453	.008	-.0015	-.0001	.621
#2	.0025	-.0021	2.961	.0008	9.517	.009	.0003	-.0003	.622
#3	.004	.0001	2.940	.0002	9.527	.009	-.0005	-.0004	.615
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2354.4	4591.1	36140.	3329.1					
Stddev	23.4	38.9	216.	11.0					
%RSD	99465	84790	59783	32928					
#1	2333.5	4552.6	36251.	3328.8					
#2	2350.0	4590.4	35892.	3340.2					
#3	2379.7	4630.4	36279.	3318.3					

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Sample Name: FA31627-3 Acquired: 2/29/2016 12:18:16 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	0.400	0.051	0.782	0.000	76.80	-0.001	0.008	0.003
Stddev	.0002	.0088	.0005	.0008	.000	.24	.0000	.0001	.0002
%RSD	68.02	21.92	9.722	9.591	122.9	3178	28.58	7.195	76.29
#1	-0.004	0.365	0.045	0.776	0.000	76.52	-0.001	0.008	0.003
#2	-0.001	0.335	0.052	0.791	0.000	76.90	-0.001	0.007	0.005
#3	-0.002	0.500	0.055	0.780	0.000	76.97	-0.001	0.008	0.001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.001	1.923	9.153	22.36	3.684	0.038	4.925	0.082	0.006
Stddev	.0003	.004	.006	.02	.0019	.0001	.023	.0001	.0003
%RSD									

Sample Name: CCV Acquired: 2/29/2016 12:22:42 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.483	40.74	2.004	2.043	2.038	40.26	2.039	2.045	2.041
Stddev	.0006	.17	.004	.008	.006	.13	.003	.001	.008
%RSD	.2501	.4075	.2161	.3960	.3051	.3167	.1248	.0334	.3752
#1	.2490	40.56	2.003	2.034	2.031	40.11	2.042	2.044	2.033
#2	.2479	40.88	2.000	2.050	2.042	40.34	2.039	2.044	2.042
#3	.2480	40.79	2.009	2.044	2.040	40.31	2.037	2.046	2.048

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.023	40.88	40.53	40.28	2.062	2.026	40.41	2.033	1.988
Stddev	.006	.11	.13	.07	.008	.001	.15	.003	.007
%RSD	.2744	.2809	.3291	.1836	.4051	.0536	.3713	.1306	.3576
#1	2.027	40.75	40.38	40.19	2.056	2.026	40.25	2.036	1.994
#2	2.017	40.96	40.61	40.30	2.058	2.026	40.54	2.031	1.988
#3	2.026	40.93	40.61	40.33	2.072	2.028	40.45	2.033	1.980

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.008	2.008	1.681	2.020	2.024	2.045	2.006	2.000	2.027
Stddev	.006	.004	.002	.002	.010	.007	.001	.005	.006
%RSD	.3014	.2056	.1439	.1028	.4944	.3383	.0517	.2429	.2933
#1	2.002	2.007	1.678	2.022	2.014	2.042	2.005	1.995	2.032
#2	2.008	2.005	1.680	2.018	2.034	2.041	2.007	2.000	2.027
#3	2.014	2.013	1.683	2.019	2.025	2.053	2.005	2.004	2.020

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 2/29/2016 12:22:42 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2316.9	4821.4	3711.0	3447.2
Stddev	2.0	14.1	13.	20.8
%RSD	.08706	.29259	.03557	.60244
#1	2317.9	4830.6	3711.6	3470.6
#2	2318.3	4828.3	3712.0	3431.1
#3	2314.6	4805.1	3709.6	3439.9

7.1
7

Sample Name: CCB Acquired: 2/29/2016 12:26:53 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	-0.0015	-0.0008	-0.0002	0.0001	0.0046	0.0001	0.0001	-0.0001
Stddev	.0003	.0045	.0006	.0004	.0000	.0018	.0001	.0001	.0001
%RSD	107.6	288.8	82.93	189.1	68.01	38.84	57.48	99.82	130.3
#1	-0.0001	-0.0027	-0.0002	-0.0002	0.0001	0.0041	0.0002	0.0001	-0.0001
#2	-0.0005	-0.0053	-0.0015	-0.0002	0.0000	0.0065	0.0000	0.0002	0.0000
#3	-0.0001	0.0034	-0.0006	-0.0007	0.0001	0.0031	0.0001	0.0000	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	0.0126	0.0040	-0.0022	0.0001	0.0008	0.0265	0.0000	-0.0001
Stddev	.0001	.0033	.0504	.0108	.0000	.0003	.0072	.0002	.0006
%RSD	42.82	26.48	1245.	487.9	26.49	37.95	27.02	972.3	443.2
#1	-0.0002	0.0158	-0.0520	-0.0113	0.0001	0.0010	0.0206	-0.0002	0.0005
#2	-0.0004	0.0092	0.186	-0.0052	0.0001	0.0009	0.0244	0.0000	-0.0007
#3	-0.0003	0.0128	0.455	0.0098	0.0001	0.0005	0.0345	0.0002	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0005	0.0002	0.0004	0.0006	0.0001	0.0010	-0.0007	-0.0001	0.0000
Stddev	.0001	.0007	.0002	.0001	.0001	.0002	.0008	.0001	.0000
%RSD	10.75	301.7	53.57	23.99	66.97	15.90	102.8	261.0	140.4
#1	0.0006	-0.0003	0.0002	0.0007	0.0001	0.0011	-0.0006	0.0000	0.0001
#2	0.0005	0.0000	0.0006	0.0007	0.0000	0.0010	-0.0016	0.0000	0.0001
#3	0.0005	0.0010	0.0004	0.0004	0.0001	0.0008	-0.0001	-0.0002	0.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 2/29/2016 12:26:53 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2709.5	4945.1	3813.0	3393.8
Stddev	4.1	8.3	61.	25.4
%RSD	.15182	.16792	.16008	.74706
#1	2714.2	4954.7	38200.	3419.5
#2	2707.6	4940.3	38088.	3393.2
#3	2706.7	4940.4	38101.	3368.8

Sample Name: FA31627-4 Acquired: 2/29/2016 12:31:24 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	0.0151	0.0080	0.1022	0.0000	73.23	-0.0001	0.0005	0.0002
Stddev	0.0000	0.0036	0.0009	0.0004	0.0000	0.32	0.0001	0.0001	0.0001
%RSD	6.495	23.92	11.54	4.010	129.6	4310	42.30	24.41	43.87
#1	-0.003	0.0127	0.0089	0.1025	0.0000	73.35	-0.0002	0.0007	0.0002
#2	-0.0003	0.0133	0.0071	0.1022	-0.0001	72.87	-0.0001	0.0005	0.0002
#3	-0.0003	0.0192	0.0080	0.1017	0.0000	73.47	-0.0001	0.0004	0.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0003	2.604	6.734	22.34	2973	0.030	7.779	0.0135	0.0001
Stddev	0.0003	0.017	0.035	0.21	0.012	0.002	0.029	0.0001	0.0004
%RSD	117.5	6522	5277	9337	3899	5.716	3688	1.090	407.0
#1	-0.0006	2.619	6.738	22.32	2972	0.032	7.798	0.0133	-0.0003
#2	-0.0000	2.586	6.696	22.13	2985	0.029	7.746	0.0136	0.0002
#3	-0.0002	2.607	6.767	22.55	2962	0.030	7.794	0.0136	0.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0001	-0.0003	2.419	-0.0002	8344	0.0009	-0.0018	-0.0001	0.2056
Stddev	0.0008	0.0007	0.009	0.0003	0.0052	0.0000	0.0003	0.0001	0.0005
%RSD	920.0	254.6	3699	197.8	6237	5.045	16.63	98.59	2455
#1	0.0008	-0.0012	2.410	-0.0004	8399	0.0009	-0.0021	0.0000	0.2057
#2	-0.0008	0.0001	2.418	-0.0003	8295	0.0009	-0.0019	-0.0002	0.2050
#3	0.0003	0.0002	2.428	-0.0002	8339	0.0009	-0.0015	-0.0001	0.2060
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2448.5	4743.4	37394.	3416.0					
Stddev	1.0	9.7	158.	16.0					
%RSD	0.04216	0.20463	0.42313	0.46706					
#1	2449.5	4750.2	37380.	3414.1					
#2	2448.6	4747.8	37244.	3432.9					
#3	2447.5	4732.3	37559.	3401.1					

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Sample Name: FA31677-4 Acquired: 2/29/2016 12:35:51 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0003	0.0127	-0.0020	0.0137	-0.0001	62.72	-0.0001	-0.0002	0.0002
Stddev	0.0002	0.0012	0.0006	0.0003	0.0000	0.19	0.0000	0.0001	0.0003
%RSD	76.83	9.120	28.15	2.094	66.12	3027	19.80	50.25	133.8
#1	-0.0003	0.0136	-0.0018	0.0134	-0.0001	62.52	-0.0001	-0.0002	0.0001
#2	-0.0005	0.0114	-0.0027	0.0140	0.0000	62.76	-0.0001	-0.0001	0.0005
#3	-0.0001	0.0131	-0.0016	0.0137	-0.0001	62.89	-0.0001	-0.0001	0.0000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0006	2.766	1.692	4.626	0.0155	0.0025	7.160	-0.0001	-0.0002
Stddev	0.0001	0.0222	0.037	0.062	0.0001	0.0000	0.008	0.0001	0.0002
%RSD	12.80	7895	2.195	1.331	0.794	0.4182	1133	188.9	112.3
#1	-0.0005	2.791	1.721	4.562	0.0157	0.0025	7.152	0.0001	-0.0002
#2	-0.0006	2.754	1.650	4.631	0.0154	0.0025	7.168	-0.0001	0.0000
#3	-0.0005	2.752	1.704	4.685	0.0154	0.0025	7.161	-0.0001	-0.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0008	-0.0003	1.780	-0.0003	3666	0.0005	-0.0016	0.0020	-0.0002
Stddev	0.0003	0.0016	0.002	0.0002	0.0002	0.0001	0.0013	0.0003	0.0001
%RSD	36.39	575.6	0.1074	57.49	0.0531	15.56	81.04	13.13	35.62
#1	0.0011	-0.0019	1.780	-0.0004	3667	0.0004	-0.0002	0.0018	-0.0001
#2	0.0007	-0.0002	1.778	-0.0001	3667	0.0006	-0.0028	0.0019	-0.0001
#3	0.0006	0.0013	1.781	-0.0004	3663	0.0004	-0.0018	0.0023	-0.0002
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2507.9	4789.2	37973.	3491.5					
Stddev	9.2	16.3	62.	21.1					
%RSD	0.36833	0.33993	0.16211	0.60450					
#1	2517.0	4800.5	37942.	3514.6					
#2	2508.2	4796.5	37933.	3473.2					
#3	2498.5	4770.5	38043.	3486.6					

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Sample Name: FA31677-7 Acquired: 2/29/2016 12:40:17 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0002	0.0320	-0.0006	0.0437	-0.0001	192.1	-0.0001	0.0018	0.0001
Stddev	0.0002	0.0071	0.0006	0.0008	0.0001	0.7	0.0000	0.0001	0.0003
%RSD	110.7	22.17	89.79	1.721	87.69	3834	12.07	4.360	189.5
#1	-0.0003	0.0278	-0.0009	0.0431	-0.0002	192.9	-0.0001	0.0017	0.0003
#2	-0.0001	0.0403	-0.0010	0.0435	-0.0002	191.4	-0.0001	0.0017	-0.0002
#3	-0.0004	0.0280	0.0000	0.0445	0.0000	192.1	-0.0001	0.0019	0.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0000	1.513	9.087	21.11	0.0367	0.0215	F 143.8	0.0020	-0.0003
Stddev	0.0000	0.007	0.0426	0.08	0.0001	0.0001	0.1	0.0002	0.0006
%RSD	697.7	4.747	4.687	0.3671	0.3540	2.482	0.1022	11.84	219.5
#1	-0.0001	1.508	8.653	21.20	0.0366	0.0215	144.0	0.0021	-0.0010
#2	-0.0000	1.510	9.504	21.04	0.0366	0.0215	143.7	0.0021	0.0002
#3	0.0000	1.521	9.105	21.09	0.0368	0.0214	143.7	0.0017	0.0000
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0001	0.0014	2.404	-0.0001	7.105	0.0004	-0.0007	0.0020	0.0025
Stddev	0.0009	0.0025	0.004	0.0003	0.0001	0.0001	0.0007	0.0002	0.0000
%RSD	632.3	179.6	0.1546	237.7	0.0201	18.19	99.72	10.50	8163
#1	-0.0009	0.0024	2.401	-0.0001	7.103	0.0005	0.0000	0.0022	0.0025
#2	0.0006	0.0032	2.409	-0.0003	7.106	0.0003	-0.0013	0.0021	0.0025
#3	0.0007	-0.0014	2.403	0.0002	7.105	0.0004	-0.0006	0.0018	0.0024
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2247.4	4482.9	35201.	3387.1					
Stddev	4.7	6.0	68.	7.4					
%RSD	0.20812	0.13286	0.19380	0.21956					
#1	2248.9	4486.0	35126.	3378.6					
#2	2251.2	4486.6	35260.	3390.3					
#3	2242.2	4476.0	35216.	3392.3					

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Sample Name: FA31677-9 Acquired: 2/29/2016 12:44:43 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0005	0.1611	-0.0002	0.0164	-0.0001	86.11	-0.0001	0.0003	0.0006
Stddev	0.0004	0.0022	0.0004	0.0007	0.0001	0.40	0.0000	0.0000	0.0001
%RSD	71.83	1.357	202.0	4.024	121.0	4686	62.19	16.41	15.09
#1	-0.0009	0.1633	0.0002	0.0165	-0.0002	86.35	-0.0001	0.0002	0.0005
#2	-0.0005	0.1611	-0.0005	0.0170	0.0000	86.34	-0.0001	0.0003	0.0007
#3	-0.0002	0.1589	-0.0001	0.0157	-0.0001	85.65	0.0000	0.0	

Sample Name: FA31677-10 Acquired: 2/29/2016 12:49:11 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	0.3750	-0.0016	0.0125	0.0000	69.01	-0.0001	-0.0001	0.0012
Stddev	0.0004	0.0081	0.0004	0.0001	0.000	0.26	0.0000	0.0000	0.0002
%RSD	121.4	2.153	23.56	1.030	66.98	3812	40.82	47.15	14.08
#1	-0.006	0.3657	-0.0019	0.0125	0.0000	69.17	-0.0001	-0.0001	0.0014
#2	0.0001	0.3791	-0.0017	0.0126	0.0000	69.16	-0.0001	-0.0002	0.0010
#3	-0.0006	0.3802	-0.0012	0.0124	0.0000	68.71	-0.0001	-0.0001	0.0012
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	-0.003	0.4227	2.459	5.307	0.0126	0.0022	5.926	0.0002	-0.0002
Stddev	0.0003	0.0018	0.045	0.025	0.0001	0.0001	0.014	0.0003	0.0007
%RSD	82.97	0.4285	1.852	0.4728	0.8292	2.998	0.2424	108.8	292.2
#1	-0.0005	0.4242	2.451	5.279	0.0125	0.0023	5.937	0.0004	0.0005
#2	-0.0004	0.4207	2.508	5.328	0.0127	0.0022	5.931	0.0003	-0.0010
#3	0.0000	0.4232	2.418	5.314	0.0125	0.0022	5.909	-0.0001	-0.0002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	0.002	-0.0003	2.096	-0.0002	2.904	0.0133	-0.0020	0.0030	0.0008
Stddev	0.0002	0.0003	0.011	0.0002	0.0015	0.0005	0.0009	0.0001	0.0000
%RSD	73.51	110.3	0.5226	99.07	0.5287	3.449	45.85	4.067	4.096
#1	0.0001	-0.0003	2.084	0.0000	0.2919	0.0132	-0.0026	0.0029	0.0008
#2	0.0001	0.0000	2.101	-0.0002	0.2905	0.0129	-0.0024	0.0030	0.0008
#3	0.0004	-0.0006	2.105	-0.0005	0.2888	0.0138	-0.0009	0.0031	0.0008
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2518.5	4791.1	37997	3419.6					
Stddev	1.3	11.0	138.	24.0					
%RSD	0.05002	0.22989	0.36264	0.70073					
#1	2520.0	4795.3	38070.	3445.3					
#2	2518.1	4778.6	38083.	3397.9					
#3	2517.6	4799.4	37838.	3415.6					

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Sample Name: FA31677-11 Acquired: 2/29/2016 12:53:36 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0001	0.0401	-0.0016	0.0208	-0.0001	128.4	-0.0001	0.0000	0.0021
Stddev	0.0003	0.0077	0.0004	0.0003	0.0001	0.3	0.0000	0.0000	0.0001
%RSD	216.9	19.26	28.29	1.624	116.9	0.2031	20.11	421.6	3.969
#1	0.0002	0.0359	-0.0013	0.0204	-0.0002	128.1	-0.0001	0.0001	0.0020
#2	-0.0003	0.0354	-0.0014	0.0210	0.0000	128.4	-0.0001	0.0000	0.0021
#3	-0.0003	0.0491	-0.0021	0.0209	0.0000	128.6	-0.0001	-0.0001	0.0021
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	-0.0001	0.4110	2.585	16.99	0.0227	0.0063	19.44	0.0025	-0.0001
Stddev	0.0003	0.0055	0.036	0.04	0.0000	0.0001	0.05	0.0002	0.0006
%RSD	231.4	1.342	1.389	0.2151	0.0541	1.791	0.2372	7.328	428.6
#1	0.0002	0.4174	2.544	16.95	0.0227	0.0062	19.39	0.0026	0.0004
#2	-0.0002	0.4080	2.599	17.00	0.0227	0.0063	19.45	0.0023	-0.0001
#3	-0.0004	0.4077	2.611	17.02	0.0227	0.0064	19.47	0.0026	-0.0007
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	0.0000	0.0001	3.160	0.0000	5.265	0.0009	-0.0012	0.0009	0.0792
Stddev	0.0003	0.0011	0.012	0.0004	0.0007	0.0001	0.0002	0.0001	0.0001
%RSD	591.6	849.5	0.3795	12000.	0.1396	14.71	19.35	7.200	0.0941
#1	0.0003	-0.0005	3.155	0.0004	0.5263	0.0007	-0.0014	0.0009	0.0791
#2	0.0000	-0.0005	3.152	0.0000	0.5259	0.0009	-0.0014	0.0008	0.0793
#3	-0.0002	0.0014	3.174	-0.0004	0.5273	0.0010	-0.0010	0.0010	0.0792
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2392.9	4647.2	37110.	3418.2					
Stddev	4.3	13.0	116.	19.2					
%RSD	0.18080	0.27993	0.31134	0.56064					
#1	2393.9	4639.7	37178.	3427.3					
#2	2396.7	4662.2	36976.	3396.1					
#3	2388.2	4639.6	37174.	3431.1					

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Sample Name: FA31677-12 Acquired: 2/29/2016 12:58:02 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0005	0.0899	-0.0016	0.0182	-0.0001	92.32	-0.0001	-0.0001	0.0014
Stddev	0.0003	0.0055	0.0004	0.0001	0.0001	0.24	0.0000	0.0001	0.0002
%RSD	57.53	6.146	28.37	0.7178	58.51	2618	19.03	49.68	11.88
#1	-0.0002	0.0904	-0.0017	0.0181	-0.0002	92.59	-0.0001	-0.0001	0.0012
#2	-0.0006	0.0842	-0.0019	0.0183	-0.0001	92.19	-0.0002	-0.0001	0.0014
#3	-0.0006	0.0953	-0.0011	0.0181	0.0000	92.16	-0.0001	-0.0002	0.0016
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0005	1.610	2.162	10.38	0.0142	0.0027	11.78	0.0002	0.0000
Stddev	0.0002	0.008	0.025	0.03	0.0000	0.0002	0.05	0.0001	0.000
%RSD	49.33	0.4711	1.167	0.2600	0.2454	5.961	0.4386	54.65	1977.
#1	0.0003	1.601	2.160	10.41	0.0142	0.0027	11.83	0.0003	0.0004
#2	0.0005	1.614	2.138	10.35	0.0142	0.0026	11.73	0.0001	0.0001
#3	0.0008	1.615	2.189	10.38	0.0142	0.0029	11.78	0.0002	-0.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0003	-0.0012	2.331	0.0030	0.4140	0.0019	-0.0009	0.0027	0.0054
Stddev	0.0006	0.0022	0.015	0.0001	0.0008	0.0003	0.0006	0.0002	0.0000
%RSD	199.8	187.7	0.6261	3.461	0.2027	16.09	65.26	6.034	0.4143
#1	-0.0009	-0.0036	2.348	0.0029	0.4149	0.0016	-0.0015	0.0028	0.0054
#2	-0.0004	-0.0005	2.325	0.0031	0.4132	0.0022	-0.0005	0.0027	0.0054
#3	0.0003	0.0006	2.321	0.0029	0.4140	0.0021	-0.0006	0.0025	0.0054
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2440.6	4704.4	37066.	3443.7					
Stddev	12.3	22.2	169.	3.6					
%RSD	0.50201	0.47177	0.45490	0.10330					
#1	2431.7	4686.0	36876.	3443.6					
#2	2435.6	4698.1	37198.	3440.2					
#3	2454.6	4729.1	37125.	3447.3					

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Sample Name: FA31677-13 Acquired: 2/29/2016 13:02:30 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0005	0.0570	0.0017	0.0398	-0.0001	133.2	-0.0001	-0.0002	0.0006
Stddev	0.0002	0.0108	0.0001	0.0007	0.0001	0.5	0.0000	0.0001	0.0002
%RSD	48.45	19.02	4.469	1.648	133.6	0.3514	31.27	57.39	36.82
#1	-0.0004	0.0583	0.0017	0.0390	-0.0001	133.4	-0.0001	-0.0001	0.0005
#2	-0.0003	0.0671	0.0016	0.0403	0.0000	133.6	-0.0001	-0.0003	0.0005
#3	-0.0007	0.0455	0.0018	0.0400	-0.0001	132.7	-0.0001	-0.0002	0.0009
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0006	1.012</							

Sample Name: FA31677-14 Acquired: 2/29/2016 13:06:56 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	8036	0.017	0.023	0.000	130.3	-0.001	0.003	0.026
Stddev	0.004	0.175	0.013	0.004	0.000	1	0.001	0.001	0.001
%RSD	189.9	2.180	75.24	1.364	49.75	0.729	43.35	39.90	5.420
#1	-0.007	7893	0.010	0.028	0.000	130.3	-0.001	0.002	0.025
#2	0.000	8232	0.032	0.024	0.000	130.2	-0.002	0.002	0.027
#3	0.000	7983	0.009	0.025	-0.001	130.3	-0.001	0.004	0.027
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.003	4.269	1.644	18.01	0.096	0.096	34.03	0.025	-0.005
Stddev	0.002	0.029	0.059	0.09	0.000	0.000	1.1	0.001	0.002
%RSD	71.22	0.6834	3.572	0.5015	0.4723	0.2930	0.3148	4.824	45.71
#1	-0.005	4.244	1.710	18.04	0.096	0.095	33.92	0.025	-0.003
#2	-0.001	4.301	1.627	18.08	0.096	0.096	34.13	0.026	-0.007
#3	-0.003	4.264	1.596	17.91	0.096	0.096	34.03	0.023	-0.006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.007	0.031	2.773	0.009	0.624	0.300	-0.019	0.059	0.000
Stddev	0.011	0.006	0.007	0.005	0.039	0.021	0.004	0.000	0.000
%RSD	151.1	18.90	0.2636	50.17	0.5664	6.909	19.52	0.4566	63.67
#1	-0.002	0.025	2.780	0.011	0.604	0.290	-0.018	0.059	0.001
#2	0.020	0.032	2.766	0.004	0.699	0.286	-0.017	0.059	0.000
#3	0.005	0.037	2.774	0.013	0.689	0.323	-0.024	0.060	0.000
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2380.5	4647.9	36791.	3388.0					
Stddev	3.7	20.1	56.	11.4					
%RSD	0.15744	0.43179	0.15308	0.33500					
#1	2379.7	4650.9	36728.	3388.7					
#2	2384.6	4666.3	36838.	3399.0					
#3	2377.2	4626.5	36806.	3376.4					

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Sample Name: FA31743-1 Acquired: 2/29/2016 13:11:22 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	0.181	0.000	0.076	0.000	84.31	-0.001	0.001	0.000
Stddev	0.005	0.027	0.002	0.003	0.000	0.09	0.000	0.000	0.001
%RSD	110.5	14.96	255600.	3.687	277.9	0.1086	30.24	58.32	311.5
#1	-0.009	0.150	-0.019	0.075	0.000	84.29	-0.001	0.001	0.001
#2	0.000	0.198	0.007	0.074	0.000	84.23	0.000	0.001	-0.001
#3	-0.003	0.195	0.011	0.079	0.000	84.41	-0.001	0.000	0.001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.001	2.236	1.110	1.643	0.0154	0.025	5.227	0.000	0.000
Stddev	0.001	0.023	0.037	0.008	0.001	0.001	0.020	0.000	0.005
%RSD	117.2	1.026	3.320	0.4862	0.5507	3.285	0.3877	1596.	27440.
#1	0.000	2.263	1.069	1.646	0.0153	0.025	5.236	-0.001	0.001
#2	-0.001	2.220	1.138	1.648	0.0154	0.025	5.203	-0.001	0.004
#3	-0.003	2.227	1.125	1.633	0.0155	0.024	5.240	0.001	-0.005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.002	-0.022	1.622	0.001	0.850	0.002	-0.018	0.004	0.330
Stddev	0.010	0.004	0.002	0.004	0.033	0.001	0.009	0.000	0.001
%RSD	528.8	18.42	0.1478	313.2	0.3695	21.92	48.71	2.722	0.2649
#1	-0.009	-0.023	1.624	0.006	0.849	0.002	-0.016	0.004	0.329
#2	0.010	-0.025	1.620	0.000	0.8818	0.002	-0.011	0.004	0.329
#3	0.005	-0.017	1.622	-0.002	0.8884	0.003	-0.028	0.004	0.331
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2510.1	4723.9	37784.	3416.4					
Stddev	3.9	10.4	120.	23.9					
%RSD	0.15372	0.21967	0.31887	0.70064					
#1	2512.1	4711.9	37693.	3425.2					
#2	2512.6	4730.2	37921.	3434.7					
#3	2505.7	4729.6	37740.	3389.3					

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Sample Name: CCV Acquired: 2/29/2016 13:15:47 Type: QC
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2517	41.28	2.044	2.091	2.033	40.12	2.083	2.113	2.025
Stddev	0.010	0.09	0.006	0.004	0.002	0.11	0.007	0.003	0.006
%RSD	0.4115	0.2248	0.2980	0.1813	0.1077	0.2851	0.3144	0.1605	0.2758
#1	2509	41.24	2.046	2.091	2.035	40.01	2.077	2.110	2.032
#2	2529	41.39	2.037	2.094	2.033	40.24	2.082	2.112	2.022
#3	2513	41.22	2.049	2.086	2.031	40.10	2.090	2.117	2.022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.056	41.14	40.39	39.90	2.008	2.090	40.47	2.066	1.993
Stddev	0.007	0.08	0.05	0.05	0.004	0.003	0.08	0.005	0.007
%RSD	0.3330	0.1985	0.1289	0.1265	0.2077	0.1626	0.1934	0.2466	0.3619
#1	2.029	41.08	40.34	39.88	2.012	2.086	40.48	2.063	1.987
#2	2.040	41.24	40.44	39.86	2.004	2.092	40.54	2.064	1.991
#3	2.041	41.11	40.40	39.95	2.009	2.091	40.38	2.072	2.001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.056	2.076	1.728	2.032	2.004	1.999	2.011	1.970	2.029
Stddev	0.003	0.009	0.001	0.009	0.005	0.001	0.004	0.005	0.012
%RSD	0.1215	0.4445	0.0664	0.4517	0.2307	0.0650	0.1882	0.2374	0.5645
#1	2.054	2.071	1.726	2.030	2.007	2.001	2.008	1.975	2.022
#2	2.058	2.070	1.728	2.024	2.005	1.998	2.010	1.968	2.022
#3	2.058	2.087	1.728	2.042	1.999	1.999	2.015	1.966	2.042
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 2/29/2016 13:15:47 Type: QC
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2299.8	4719.1	37589.	3423.9
Stddev	3.4	3.6	67.	10.9
%RSD	0.14625	0.07527	0.17866	0.31796
#1	2303.0	4722.9	37589.	3433.1
#2	2300.0	4718.4	37521.	3426.6
#3	2296.3	4715.9	37656.	3411.9

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Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Includes units, avg, stddev, %RSD, and check status.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass High Limit Low Limit

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Includes units, avg, stddev, %RSD, and check status.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass High Limit Low Limit

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Includes units, avg, stddev, %RSD, and check status.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass High Limit Low Limit

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Includes units, avg, stddev, %RSD, and check status.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass High Limit Low Limit

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Includes units, avg, stddev, %RSD, and check status.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass High Limit Low Limit

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Includes units, avg, stddev, %RSD, and check status.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass High Limit Low Limit

Sample Name: FA31637-1 Acquired: 2/29/2016 13:24:31 Type: Unk Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Includes IS Ref, Avg, Stddev, %RSD, and check status.

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Includes IS Ref, Avg, Stddev, %RSD, and check status.

Table with 4 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Includes Avg, Stddev, %RSD, and check status.

Sample Name: FA31669-1 Acquired: 2/29/2016 13:29:10 Type: Unk Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Includes IS Ref, Avg, Stddev, %RSD, and check status.

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Includes IS Ref, Avg, Stddev, %RSD, and check status.

Table with 4 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Includes Avg, Stddev, %RSD, and check status.

Sample Name: FA31670-1 Acquired: 2/29/2016 13:33:34 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	0.368	0.001	0.178	-0.001	35.39	-0.001	0.001	-0.001
Stddev	0.003	0.033	0.005	0.004	0.001	0.30	0.000	0.001	0.001
%RSD	65.07	8.972	473.1	2.112	72.48	8.358	24.34	90.27	187.9
#1	-0.003	0.392	0.005	0.177	-0.001	35.73	-0.001	0.000	-0.002
#2	-0.002	0.330	0.003	0.174	-0.001	35.26	-0.001	0.002	0.000
#3	-0.008	0.382	-0.005	0.182	0.000	35.18	-0.001	0.001	0.000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.004	-0.002	9.382	8.334	0.025	-0.005	10.63	0.042	0.004
Stddev	0.001	0.009	0.612	1.102	0.000	0.000	0.06	0.001	0.005
%RSD	2.218	31.73	6.527	1.224	0.7105	2.884	5.205	2.301	128.6
#1	0.046	-0.036	9.810	8.446	0.024	-0.005	10.67	0.043	0.006
#2	0.048	-0.029	9.654	8.306	0.025	-0.005	10.64	0.041	-0.002
#3	0.048	-0.018	8.680	8.248	0.025	-0.005	10.56	0.042	0.006
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.004	-0.005	3.542	0.000	0.5675	0.002	-0.006	0.000	0.940
Stddev	0.004	0.009	0.004	0.002	0.032	0.001	0.006	0.000	0.001
%RSD	109.6	192.3	1.137	910.8	5.609	46.88	88.84	625.7	1337
#1	0.002	-0.003	3.537	-0.002	0.5711	0.002	-0.003	0.000	0.941
#2	0.008	-0.015	3.544	0.001	0.5667	0.002	-0.003	-0.002	0.940
#3	0.001	0.003	3.544	0.002	0.5649	0.003	-0.013	0.001	0.938
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2540.5	4759.5	3797.0	3349.9					
Stddev	2.0	11.7	118.	47.8					
%RSD	0.7746	2.4603	3.0999	1.4283					
#1	2538.5	4773.0	3787.2	3296.6					
#2	2540.8	4752.6	3810.0	3364.0					
#3	2542.4	4752.9	3793.7	3389.1					

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Sample Name: FA31671-37 Acquired: 2/29/2016 13:38:02 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	0.377	-0.013	0.178	0.000	35.66	-0.001	0.001	0.002
Stddev	0.003	0.024	0.004	0.004	0.000	0.07	0.001	0.000	0.001
%RSD	59.18	6.399	29.26	1.984	615.9	1.986	48.01	8.078	68.48
#1	-0.002	0.399	-0.009	0.182	0.000	35.59	-0.002	0.001	0.002
#2	-0.008	0.351	-0.017	0.176	-0.001	35.68	-0.001	0.001	0.001
#3	-0.006	0.380	-0.012	0.176	0.000	35.72	-0.001	0.001	0.003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.005	0.007	9.712	8.413	0.026	-0.005	10.69	0.043	0.001
Stddev	0.001	0.007	0.401	0.076	0.000	0.001	0.01	0.001	0.004
%RSD	2.338	103.6	4.125	0.908	0.7565	14.64	0.0904	3.384	364.0
#1	0.052	0.015	9.970	8.335	0.026	-0.005	10.69	0.042	0.005
#2	0.050	0.007	9.915	8.417	0.026	-0.005	10.68	0.045	-0.002
#3	0.050	0.000	9.250	8.488	0.026	-0.006	10.70	0.043	0.000
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.002	-0.013	3.542	0.004	0.5716	0.001	-0.012	0.000	0.920
Stddev	0.005	0.006	0.008	0.002	0.008	0.001	0.008	0.000	0.004
%RSD	192.4	51.70	2.346	51.59	1.461	75.12	64.73	821.1	390.0
#1	0.002	-0.018	3.551	0.004	0.5722	0.001	-0.009	0.001	0.923
#2	0.007	-0.005	3.535	0.002	0.5719	0.000	-0.006	0.000	0.922
#3	-0.002	-0.015	3.540	0.006	0.5706	0.001	-0.021	-0.001	0.916
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2512.3	4717.3	3738.9	3336.8					
Stddev	6.4	10.1	283.	8.3					
%RSD	0.25296	2.1454	7.5688	2.4994					
#1	2506.5	4705.7	3706.3	3345.3					
#2	2511.5	4722.2	3757.6	3336.3					
#3	2519.1	4724.0	3752.7	3328.7					

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Sample Name: FA31672-27 Acquired: 2/29/2016 13:42:30 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	0.405	-0.007	0.183	-0.001	35.24	-0.001	0.001	0.001
Stddev	0.000	0.029	0.007	0.002	0.000	0.14	0.001	0.000	0.001
%RSD	7.152	7.045	90.89	1.061	53.58	3.908	54.30	71.25	92.85
#1	-0.005	0.409	-0.006	0.183	0.000	35.28	-0.001	0.001	0.000
#2	-0.006	0.375	-0.015	0.180	-0.001	35.34	0.000	0.000	0.002
#3	-0.006	0.431	-0.002	0.184	-0.001	35.08	-0.002	0.000	0.001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.004	-0.005	9.622	8.310	0.027	-0.007	10.62	0.042	-0.005
Stddev	0.002	0.019	0.691	0.034	0.000	0.001	0.04	0.000	0.005
%RSD	3.385	390.5	7.181	4.091	2.197	14.27	4.091	1.076	119.6
#1	0.050	0.005	1.041	8.337	0.027	-0.006	10.64	0.042	-0.008
#2	0.049	0.006	9.299	8.321	0.027	-0.008	10.64	0.043	0.002
#3	0.047	-0.026	9.151	8.272	0.027	-0.007	10.57	0.042	-0.007
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.008	-0.004	3.458	0.001	0.5665	0.001	-0.015	-0.001	0.901
Stddev	0.008	0.007	0.023	0.002	0.012	0.001	0.006	0.000	0.005
%RSD	100.4	167.3	6.751	285.9	2.137	89.36	42.96	43.30	563.9
#1	0.018	-0.005	3.483	0.002	0.5666	0.000	-0.018	0.000	0.907
#2	0.003	-0.012	3.454	-0.002	0.5676	0.002	-0.019	-0.001	0.899
#3	0.004	0.003	3.437	0.002	0.5652	0.001	-0.008	-0.001	0.897
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2540.9	4778.8	3782.0	3363.3					
Stddev	9.2	19.7	47.	7.9					
%RSD	0.36124	4.1286	1.2506	2.3554					
#1	2535.0	4757.3	3777.2	3370.0					
#2	2536.2	4782.9	3782.2	3354.6					
#3	2551.5	4796.1	3786.6	3365.3					

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Sample Name: FA31656-1 Acquired: 2/29/2016 13:46:57 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	0.051	-0.002	0.724	-0.001	83.44	-0.001	0.023	0.001
Stddev	0.002	0.080	0.001	0.001	0.000	0.24	0.000	0.001	0.001
%RSD	36.93	157.2	56.84	1.793	19.49	2.855	19.25	3.555	121.9
#1	-0.006	0.108	-0.001	0.724	-0.001	83.53	-0.001	0.023	0.002
#2	-0.005	0.084	-0.004	0.725	-0.002	83.62	-0.001	0.024	0.002
#3	-0.003	-0.040	-0.002	0.723	-0.001	83.17	-0.001	0.022	0.000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.003	0.7901							

Sample Name: FA31656-2 Acquired: 2/29/2016 13:51:23 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	0.0339	-0.0008	0.0593	-0.0001	101.5	-0.0001	0.0023	0.0002
Stddev	.0001	.0066	.0004	.0002	.0000	.2	.0000	.0001	.0002
%RSD	9.904	19.45	49.85	.2932	10.34	.1702	42.41	4.637	92.97
#1	-0.005	.0276	-.0011	.0593	-.0001	101.6	-.0001	.0022	.0002
#2	-.0006	.0334	-.0004	.0594	-.0001	101.3	-.0001	.0024	.0004
#3	-.0005	.0407	-.0008	.0591	-.0001	101.5	-.0002	.0023	.0000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0005	0.6494	3.994	23.64	1.579	0.011	39.07	0.0050	0.001
Stddev	.0002	.0017	.034	.09	.0007	.0001	.01	.0002	.0004
%RSD	40.59	.2637	.8525	.3831	.4270	10.36	.0213	3.936	293.1
#1	.0008	.6479	3.978	23.68	1.587	.0011	39.08	.0048	.0000
#2	.0004	.6491	3.971	23.53	1.577	.0013	39.06	.0050	-.0002
#3	.0004	.6513	4.033	23.70	1.574	.0011	39.07	.0052	.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0005	-0.0034	2.570	-0.0001	0.4597	0.0005	-0.0008	-0.0001	0.2600
Stddev	.0004	.0016	.015	.0004	.0002	.0001	.0015	.0003	.0003
%RSD	93.12	48.47	.5982	626.9	.0437	17.93	181.4	375.9	1.218
#1	.0006	-.0035	2.555	-.0005	.4598	.0004	-.0018	-.0004	.2597
#2	.0000	-.0049	2.569	.0001	.4595	.0005	.0009	.0002	.2603
#3	.0009	-.0017	2.585	.0002	.4599	.0005	-.0017	-.0000	.2601
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2363.8	4567.4	36537.	3314.0					
Stddev	11.1	26.1	217.	14.8					
%RSD	.46850	.57105	.59290	.44611					
#1	2375.0	4593.3	36346.	3310.4					
#2	2363.5	4567.7	36491.	3330.3					
#3	2352.9	4541.2	36772.	3301.4					

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Sample Name: MP30042-MB1 Acquired: 2/29/2016 13:55:48 Type: QC
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	0.0020	-0.0017	-0.0004	-0.0001	0.0069	-0.0001	-0.0001	0.0000
Stddev	.0003	.0114	.0006	.0001	.0000	.0029	.0000	.0000	.0002
%RSD	81.06	574.6	33.57	23.33	30.35	41.96	35.17	15.99	1792.
#1	.0000	.0141	-.0023	-.0003	.0000	.0102	-.0001	-.0002	-.0002
#2	-.0005	.0006	-.0016	-.0003	-.0001	.0053	-.0001	-.0002	.0001
#3	-.0004	-.0087	-.0012	-.0005	-.0001	.0051	-.0001	-.0001	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	-0.0087	0.0093	0.002	-0.0001	-0.0007	0.0428	-0.0003	-0.0003
Stddev	.0003	.0016	.0257	.0156	.0000	.0001	.0012	.0001	.0004
%RSD	55.03	18.83	277.7	8502.	13.33	18.95	2.768	27.29	139.6
#1	-.0003	-.0103	-.0189	.0074	-.0001	-.0007	.0419	-.0002	.0001
#2	-.0008	-.0070	.0315	-.0177	-.0001	-.0006	.0441	-.0003	-.0007
#3	-.0005	-.0089	.0153	.0109	-.0001	-.0009	.0423	-.0003	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0006	0.0003	0.0067	-0.0001	-0.0001	-0.0007	-0.0018	-0.0002	-0.0005
Stddev	.0007	.0002	.0001	.0003	.0000	.0000	.0002	.0001	.0000
%RSD	110.2	63.31	.7680	272.9	37.98	6.432	13.56	37.46	8.747
#1	.0012	.0001	.0067	-.0001	-.0001	-.0007	-.0015	-.0003	-.0004
#2	.0007	.0003	.0067	-.0004	-.0001	-.0008	-.0018	-.0001	-.0005
#3	-.0001	.0005	.0066	.0002	-.0002	-.0007	-.0020	-.0002	-.0005
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: MP30042-MB1 Acquired: 2/29/2016 13:55:48 Type: QC
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2714.6	4892.8	39528.	3461.4
Stddev	3.3	10.4	23.	16.1
%RSD	.12207	.21177	.05900	.46399
#1	2710.8	4880.9	39526.	3444.4
#2	2717.1	4900.2	39505.	3476.4
#3	2715.9	4897.1	39551.	3463.3

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Sample Name: MP30042-B1 Acquired: 2/29/2016 14:00:20 Type: QC
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0473	28.66	2.004	2.145	0.0526	25.87	0.0524	0.5307	0.2060
Stddev	.0007	.09	.003	.007	.0002	.15	.0000	.0002	.0010
%RSD	1.421	.3093	.1556	.3385	.3532	.5769	.0708	.0458	.4870
#1	.0467	28.59	2.005	2.145	.0528	25.70	.0524	.5307	.2072
#2	.0480	28.63	2.000	2.137	.0528	25.98	.0524	.5302	.2055
#3	.0471	28.76	2.006	2.152	.0524	25.94	.0524	.5303	.2054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.2618	27.91	25.88	25.75	0.5157	0.5337	26.24	0.5246	0.4825
Stddev	.0002	.08	.14	.21	.0024	.0004	.08	.0003	.0005
%RSD	.0892	.2790	.5505	.8219	.4571	.0796	.2960	.0496	.0990
#1	.2616	27.82	25.73	25.54	.5184	.5333	26.21	.5245	.4826
#2	.2620	27.96	26.01	25.97	.5143	.5341	26.18	.5244	.4820
#3	.2616	27.96	25.91	25.75	.5144	.5336	26.33	.5249	.4830
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.5092	2.039	0.176	0.5231	0.5085	0.5126	1.942	0.4739	0.5117
Stddev	.0034	.007	.0005	.0007	.0017	.0016	.002	.0011	.0010
%RSD	.6604	.3566	3.005	.1262	.3298	.3025	.0832	.2294	.1929
#1	.5130	2.047	.0171	.5228	.5081	.5139	1.942	.4751	.5126
#2	.5081	2.039	.0181	.5227	.5071	.5130	1.940	.4738	.5106
#3	.5066	2.032	.0178	.5239	.5104	.5109	1.943	.4729	.5119
Check ?	Chk Pass	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: MP30042-B1 Acquired: 2/29/2016 14:00:20 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2433.6	4783.9	3819.8	3497.1
Stddev	2.0	4.5	163.	19.4
%RSD	.08179	.09356	.42616	.55356
#1	2431.6	4783.5	3801.2	3515.8
#2	2433.6	4779.6	38265.	3477.1
#3	2435.6	4788.5	38317.	3498.3

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Sample Name: FA31387-1 Acquired: 2/29/2016 14:04:33 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	.0003	.0164	-.0021	.0932	-.0001	8.188	-.0001	.0014	.0007
Stddev	.0001	.0036	.0002	.0003	.0000	.061	.0000	.0001	.0001
%RSD	18.21	21.63	10.25	.3094	28.19	.7513	39.35	5.107	16.78
#1	.0003	.0203	-.0019	.0934	-.0001	8.258	-.0001	.0014	.0007
#2	.0003	.0156	-.0022	.0928	-.0001	8.160	-.0001	.0014	.0008
#3	.0004	.0134	-.0023	.0933	.0000	8.145	-.0001	.0013	.0006
Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.0014	.0164	.4265	2.131	5.659	-.0006	149.4	.0015	.0008
Stddev	.0003	.0013	.0338	.034	.018	.0002	.3	.0001	.0003
%RSD	20.33	7.679	7.915	1.590	.3167	30.81	.2224	7.132	33.01
#1	.0011	.0176	.4213	2.160	5.674	-.0005	149.5	.0015	.0006
#2	.0017	.0164	.3957	2.140	5.663	-.0006	149.6	.0017	.0011
#3	.0015	.0151	.4626	2.094	5.639	-.0009	149.0	.0015	.0009
Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.0013	.0002	.4029	.0004	.0387	.0000	-.0001	-.0001	.0141
Stddev	.0007	.0009	.0011	.0002	.0003	.000	.0015	.0000	.0001
%RSD	55.41	399.2	.2608	47.86	.6491	55.75	1065.	27.42	.5884
#1	.0009	.0011	.4038	.0006	.0389	.0000	.0015	-.0001	.0142
#2	.0021	-.0007	.4030	.0002	.0388	.0000	-.0005	-.0001	.0141
#3	.0009	.0002	.4018	.0005	.0384	-.0001	-.0014	-.0001	.0140
Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S					
Avg	2400.0	4689.9	3661.9	3370.3					
Stddev	8.9	13.2	43.	17.7					
%RSD	.37219	.28226	.11725	.52497					
#1	2390.1	4674.8	3657.6	3365.9					
#2	2407.3	4699.2	3662.0	3355.3					
#3	2402.7	4695.9	3666.2	3389.8					

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Sample Name: CCV Acquired: 2/29/2016 14:09:10 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.2519	41.50	2.036	2.077	2.049	40.20	2.081	2.109	2.057
Stddev	.0007	.07	.005	.007	.007	.13	.006	.006	.002
%RSD	.2626	.1772	.2426	.3337	.3314	.3188	.2842	.3105	.0966
#1	.2526	41.43	2.035	2.073	2.046	40.18	2.078	2.105	2.057
#2	.2519	41.58	2.031	2.085	2.057	40.34	2.078	2.106	2.059
#3	.2512	41.48	2.041	2.073	2.045	40.08	2.088	2.117	2.055

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	2.057	41.48	40.50	40.36	2.062	2.090	40.63	2.066	1.989
Stddev	.012	.13	.07	.14	.006	.008	.09	.004	.004
%RSD	.5780	.3227	.1679	.3560	.2734	.3805	.2260	.2193	.2184
#1	2.062	41.38	40.47	40.50	2.063	2.083	40.54	2.063	1.986
#2	2.067	41.63	40.58	40.38	2.067	2.089	40.72	2.064	1.987
#3	2.044	41.42	40.45	40.21	2.056	2.098	40.65	2.071	1.994

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	2.050	2.063	1.715	2.030	2.024	2.042	2.006	1.988	2.041
Stddev	.010	.002	.007	.006	.007	.008	.002	.001	.007
%RSD	.4926	.1023	.4250	.2795	.3457	.3919	.0770	.0557	.3498
#1	2.038	2.061	1.706	2.027	2.017	2.041	2.005	1.988	2.046
#2	2.052	2.062	1.719	2.026	2.031	2.050	2.007	1.989	2.033
#3	2.058	2.065	1.719	2.036	2.023	2.034	2.004	1.987	2.044

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: CCV Acquired: 2/29/2016 14:09:10 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2293.3	4697.7	3696.2	3373.1
Stddev	3.3	14.7	124.	6.0
%RSD	.14370	.31342	.33471	.17723
#1	2294.3	4711.3	3688.7	3366.4
#2	2296.0	4699.8	3710.4	3377.8
#3	2289.6	4682.1	3689.3	3375.2

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Sample Name: CCB Acquired: 2/29/2016 14:13:21 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	0.011	-0.004	0.002	0.002	0.051	0.000	0.001	0.000
Stddev	0.002	0.0044	0.005	0.002	0.001	0.053	0.000	0.001	0.001
%RSD	54.06	417.2	127.5	92.12	31.50	103.7	170.5	111.4	324.5

#1	-0.004	-0.038	0.000	0.003	0.003	0.008	0.000	0.001	-0.001
#2	-0.004	0.048	-0.009	0.000	0.002	0.111	0.000	0.002	0.001
#3	-0.001	0.022	-0.002	0.004	0.002	0.035	0.000	0.000	0.000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	0.168	0.151	-0.020	0.002	0.009	0.040	0.001	-0.002
Stddev	0.003	0.048	0.183	0.262	0.000	0.002	0.020	0.001	0.003
%RSD	128.2	28.52	121.5	1298.	5.754	26.70	5.029	82.12	163.7

#1	-0.005	0.216	0.116	0.267	0.002	0.011	0.379	0.001	0.001
#2	0.001	0.169	-0.013	-0.080	0.001	0.009	0.415	0.000	-0.005
#3	-0.004	0.120	0.348	-0.247	0.001	0.006	0.413	0.001	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.006	-0.002	0.028	0.007	0.001	0.011	-0.002	0.001	0.001
Stddev	0.012	0.017	0.029	0.003	0.001	0.002	0.008	0.001	0.001
%RSD	222.1	961.4	103.3	43.30	81.22	15.81	338.4	213.3	44.59

#1	0.007	0.001	0.009	0.007	0.003	0.012	-0.008	0.001	0.002
#2	-0.007	-0.020	0.014	0.009	0.002	0.011	0.007	-0.001	0.001
#3	0.017	0.013	0.061	0.004	0.000	0.009	-0.005	0.002	0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 2/29/2016 14:13:21 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2697.3	4851.4	3874.0	3421.0
Stddev	6.4	11.2	28.	5.3
%RSD	.23879	.23070	.07285	.15587

#1	2693.6	4862.4	38711.	3416.8
#2	2704.8	4851.8	38768.	3427.0
#3	2693.6	4840.0	38740.	3419.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	0.168	0.151	-0.020	0.002	0.009	0.040	0.001	-0.002
Stddev	0.003	0.048	0.183	0.262	0.000	0.002	0.020	0.001	0.003
%RSD	128.2	28.52	121.5	1298.	5.754	26.70	5.029	82.12	163.7

#1	-0.005	0.216	0.116	0.267	0.002	0.011	0.379	0.001	0.001
#2	0.001	0.169	-0.013	-0.080	0.001	0.009	0.415	0.000	-0.005
#3	-0.004	0.120	0.348	-0.247	0.001	0.006	0.413	0.001	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.006	-0.002	0.028	0.007	0.001	0.011	-0.002	0.001	0.001
Stddev	0.012	0.017	0.029	0.003	0.001	0.002	0.008	0.001	0.001
%RSD	222.1	961.4	103.3	43.30	81.22	15.81	338.4	213.3	44.59

#1	0.007	0.001	0.009	0.007	0.003	0.012	-0.008	0.001	0.002
#2	-0.007	-0.020	0.014	0.009	0.002	0.011	0.007	-0.001	0.001
#3	0.017	0.013	0.061	0.004	0.000	0.009	-0.005	0.002	0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30042-D1 Acquired: 2/29/2016 14:17:54 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.004	0.096	-0.014	0.933	-0.001	8.227	-0.001	0.014	0.008
Stddev	0.003	0.048	0.004	0.005	0.000	0.26	0.000	0.001	0.000
%RSD	72.73	49.58	32.96	5.578	31.07	3.212	41.94	6.993	5.678

#1	0.007	0.142	-0.009	0.931	0.000	8.246	-0.001	0.015	0.007
#2	0.002	0.047	-0.018	0.939	-0.001	8.239	-0.001	0.013	0.008
#3	0.002	0.099	-0.015	0.929	-0.001	8.197	0.000	0.014	0.008

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.015	0.126	0.3715	2.145	5.621	-0.004	149.8	0.014	0.002
Stddev	0.003	0.012	0.292	0.27	0.58	0.001	8	0.001	0.002
%RSD	20.00	9.274	7.863	1.278	1.030	17.66	5.399	9.171	116.4

#1	0.019	0.126	0.3860	2.176	5.576	-0.003	150.2	0.015	0.003
#2	0.014	0.137	0.3905	2.124	5.687	-0.004	150.4	0.013	0.003
#3	0.014	0.114	0.3378	2.135	5.602	-0.004	148.9	0.015	-0.001

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.008	0.005	0.4045	0.002	0.388	0.001	-0.003	-0.001	0.140
Stddev	0.003	0.001	0.011	0.002	0.002	0.000	0.011	0.001	0.001
%RSD	43.08	21.27	2.691	105.7	0.4785	49.36	379.4	90.33	0.4464

#1	0.004	0.005	0.4054	0.000	0.389	0.001	-0.001	-0.003	0.141
#2	0.008	0.004	0.4048	0.005	0.390	0.002	-0.015	-0.001	0.140
#3	0.011	0.007	0.4032	0.002	0.386	0.001	0.007	0.000	0.140

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2390.4	4647.5	36325.	3358.7
Stddev	11.1	12.0	234.	15.0
%RSD	4.6458	2.5866	0.64489	0.44613

#1	2380.0	4634.8	36376.	3346.0
#2	2389.2	4648.9	36070.	3354.9
#3	2402.1	4658.7	36530.	3375.3

Sample Name: MP30042-SD1 Acquired: 2/29/2016 14:22:31 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.002	0.322	-0.042	0.854	-0.002	7.729	-0.004	0.011	0.001
Stddev	0.006	0.116	0.019	0.003	0.004	0.05	0.000	0.004	0.005
%RSD	349.4	36.05	44.63	3.426	244.0	0.603	8.468	38.23	547.0

#1	-0.003	0.411	-0.056	0.851	0.003	7.726	-0.004	0.011	0.004
#2	0.009	0.191	-0.049	0.856	-0.003	7.727	-0.004	0.006	0.004
#3	-0.001	0.363	-0.021	0.856	-0.005	7.735	-0.004	0.015	-0.005

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.003	-0.241	0.3944	2.100	5.598	-0.034	141.7	0.009	-0.012
Stddev	0.002	0.140	0.1243	0.148	0.11	0.005	7	0.004	0.013
%RSD	51.24	58.24	31.50	7.055	1.969	13.77	5.030	39.15	113.2

#1	-0.001	-0.338	0.4710	2.210	5.609	-0.032	142.5	0.006	-0.021
#2	-0.004	-0.080	0.4611	2.159	5.597	-0.040	141.2	0.013	-0.018
#3	-0.003	-0.305	0.2510						

Sample Name: MP30042-S1 Acquired: 2/29/2016 14:27:02 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0502	30.02	2.109	2.319	.0551	34.96	.0536	5.399	2.118
Stddev	.0004	.15	.003	.007	.0001	.11	.0001	.0010	.0011
%RSD	.7146	.5114	.1467	.3213	.2502	.3261	.1352	.1894	.5133
#1	.0506	30.04	2.108	2.313	.0550	34.91	.0536	5.402	2.129
#2	.0502	30.17	2.107	2.327	.0552	35.09	.0536	5.408	2.118
#3	.0499	29.86	2.113	2.317	.0552	34.88	.0535	5.388	2.107
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2745	29.21	27.64	28.97	F 5.997	5.489	F 176.3	5.341	4.997
Stddev	.0007	.19	.14	.17	.046	.0005	1.4	.0011	.0017
%RSD	.2635	.6430	.5116	.5875	.7718	.0857	.8142	.2068	.3342
#1	.2753	29.21	27.64	28.97	6.049	5.487	177.9	5.351	4.981
#2	.2742	29.40	27.77	29.15	5.961	5.494	175.6	5.343	5.014
#3	.2739	29.03	27.49	28.81	5.981	5.486	175.3	5.330	4.995
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5276	2.164	4.238	5.282	5.312	1.962	4.872	5.246	5.516
Stddev	.0012	.006	.0013	.0014	.0009	.0020	.007	.0022	.0006
%RSD	.2348	.2687	.3082	.2639	.1508	.3848	.3425	4.479	1.146
#1	.5290	2.170	4.241	5.288	.5676	5.331	1.958	4.891	5.422
#2	.5274	2.162	4.250	5.266	.5692	5.315	1.969	4.875	5.417
#3	.5266	2.159	4.224	5.292	.5678	5.291	1.957	4.848	5.409
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2263.8	4588.0	36409.	3354.4					
Stddev	3.6	8.9	41.	31.8					
%RSD	.16092	.19418	.11231	.94848					
#1	2260.0	4579.0	36362.	3346.9					
#2	2264.0	4588.3	36439.	3327.0					
#3	2267.3	4596.8	36424.	3389.3					

Sample Name: MP30042-S2 Acquired: 2/29/2016 14:31:32 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0505	29.24	2.090	2.278	.0534	34.12	.0531	5.352	2.082
Stddev	.0005	.09	.002	.005	.0004	.14	.0001	.0006	.0009
%RSD	1.036	.2914	.0839	.2269	.7896	.4215	.1190	.1186	.4528
#1	.0506	29.27	2.089	2.280	.0535	34.09	.0531	5.349	2.083
#2	.0499	29.30	2.092	2.281	.0537	34.28	.0532	5.359	2.072
#3	.0509	29.14	2.090	2.272	.0529	34.00	.0530	5.347	2.090
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2687	28.34	27.02	28.07	F 5.804	5.430	F 169.5	5.292	4.932
Stddev	.0014	.09	.13	.14	.042	.0001	2.1	.0008	.0015
%RSD	.5352	.3257	.4845	.4991	.7233	.0126	1.241	.1453	.3130
#1	.2704	28.33	27.14	28.06	5.852	5.429	168.3	5.284	4.945
#2	.2678	28.44	27.04	28.21	5.787	5.430	171.9	5.300	4.935
#3	.2680	28.25	26.88	27.93	5.774	5.430	168.3	5.293	4.915
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5242	2.145	4.176	5.226	5.543	5.190	1.941	4.797	5.352
Stddev	.0006	.005	.0011	.0005	.0018	.0019	.002	.0007	.0013
%RSD	.1113	.2320	.2636	.0928	.3270	.3658	.0783	1.384	2.393
#1	.5238	2.151	4.164	5.220	.5527	5.211	1.940	4.803	5.353
#2	.5248	2.144	4.185	5.227	.5562	5.173	1.942	4.790	5.365
#3	.5238	2.141	4.180	5.230	.5539	5.187	1.940	4.799	5.339
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2286.1	4632.3	37059.	3468.0					
Stddev	.7	1.5	106.	14.5					
%RSD	.02951	.03238	.28536	.41908					
#1	2286.4	4632.2	36943.	3465.0					
#2	2286.5	4633.9	37150.	3455.3					
#3	2285.3	4630.9	37084.	3483.9					

7.1
7

Sample Name: FA31502-1L Acquired: 2/29/2016 14:36:00 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0003	.0246	-.0021	.0225	.0000	4.946	-.0001	.0000	.0000
Stddev	.0004	.0116	.0012	.0004	.0000	.004	.0000	.000	.000
%RSD	155.7	47.27	54.64	1.845	66.64	.0855	37.30	3490.	11270.
#1	-.0004	.0375	-.0008	.0222	.0001	4.943	-.0002	.0001	-.0002
#2	-.0002	.0149	-.0026	.0223	.0000	4.945	-.0001	-.0001	.0001
#3	-.0006	.0214	-.0030	.0230	.0001	4.951	-.0001	.0000	.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0051	.0766	3.619	3.750	.0215	-.0004	F 138.0	.0001	.0005
Stddev	.0001	.0024	.0349	.0221	.0002	.0001	.3	.0001	.0004
%RSD	2.681	3.110	9.657	5.892	1.050	23.56	.1897	213.7	89.85
#1	.0050	.0782	.3714	.3966	.0217	-.0003	138.1	.0002	.0003
#2	.0049	.0739	.3911	.3525	.0214	-.0005	138.2	-.0001	.0010
#3	.0052	.0777	.3232	.3759	.0213	-.0004	137.7	.0000	.0002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0010	-.0012	.1171	.0005	.0173	.0003	-.0018	-.0001	.0017
Stddev	.0008	.0005	.0011	.0002	.0002	.0001	.0007	.0002	.0000
%RSD	80.70	42.83	.9663	32.30	.8683	23.05	36.95	237.6	1.792
#1	.0018	-.0008	.1179	.0005	.0172	.0003	-.0010	.0000	.0017
#2	.0010	-.0010	.1176	.0004	.0172	.0002	-.0023	-.0002	.0017
#3	.0002	-.0018	.1158	.0007	.0175	.0003	-.0021	.0001	.0017
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2420.5	4658.7	36988.	3412.7					
Stddev	6.2	14.1	2183.	6.8					
%RSD	.25594	.30257	.57685	.19927					
#1	2415.1	4657.6	36881.	3408.2					
#2	2419.0	4645.3	36849.	3409.4					
#3	2427.3	4673.4	37234.	3420.5					

Sample Name: FA31502-2L Acquired: 2/29/2016 14:40:30 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0004	.0470	-.0016	.0324	.0000	1.230	.0001	.0001	.0040
Stddev	.0001	.0082	.0007	.0005	.0000	.003	.0000	.0000	.0000
%RSD	14.34	17.38	46.58	1.496	418.4	2521	38.42	47.05	1.090
#1	-.0004	.0427	-.0018	.0320	.0000	1.233	.0001	.0000	.0040
#2	-.0004	.0564	-.0022	.0324	.0000	1.228	.0001	.0000	.0040
#3	-.0003	.0419	-.0008	.0329	.0000	1.229	.0001	.0001	.0041
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0003	-.0024	.0963	.0841	.0010	-.0004	F 141.1	-.0001	.1814
Stddev	.0001	.0007	.0198	.0124	.0000	.0001	.2	.0002	.0005
%RSD	34.95	30.66	20.56	14.74	3.897	24.25	.1322	174.6	2.788
#1	.0004	-.0031	.0919	.0786	.0010	-.0003	141.1	.0000	.1813
#2	.0004	-.0023	.0791	.0983	.0011	-.0004	140.9	.0000	.1810
#3	.0002	-.0017							

Sample Name: FA31502-3L Acquired: 2/29/2016 14:45:02 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.037	-0.020	0.149	0.000	1.366	0.000	0.001	0.004
Stddev	0.001	0.081	0.005	0.002	0.000	0.002	0.001	0.001	0.001
%RSD	43.61	25.74	23.18	1.508	123.2	0.1630	245.6	89.07	24.30
#1	-0.003	0.257	-0.021	0.151	-0.001	1.364	0.001	0.000	0.003
#2	-0.001	0.284	-0.015	0.147	0.000	1.367	0.000	0.002	0.005
#3	-0.002	0.409	-0.024	0.149	-0.001	1.368	0.000	0.001	0.005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.002	0.026	0.377	0.189	0.026	-0.005	F 142.3	0.004	0.1516
Stddev	0.003	0.009	0.227	0.038	0.002	0.001	2	0.003	0.004
%RSD	129.9	32.31	6.718	1.998	0.4277	12.91	0.1601	64.45	0.2883
#1	-0.001	0.036	0.3292	0.1940	0.0528	-0.005	142.4	0.002	0.1511
#2	-0.003	0.019	0.3204	0.1871	0.0524	-0.006	142.0	0.003	0.1520
#3	0.005	0.025	0.3634	0.1879	0.0527	-0.004	142.4	0.007	0.1517
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.003	-0.011	0.037	0.002	0.038	-0.004	-0.001	-0.001	0.1335
Stddev	0.007	0.007	0.003	0.003	0.001	0.001	0.004	0.000	0.004
%RSD	251.2	60.89	0.7848	165.3	2.191	17.22	19.45	30.48	0.2823
#1	0.004	-0.018	0.0359	0.004	0.039	-0.003	-0.026	-0.002	0.1333
#2	-0.005	-0.004	0.0359	-0.002	0.038	-0.004	-0.017	-0.001	0.1333
#3	0.009	-0.011	0.0354	0.003	0.038	-0.003	-0.021	-0.001	0.1340
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2400.5	4598.4	3654.9	3382.7					
Stddev	1.4	9.0	104.	17.0					
%RSD	0.05724	0.19473	0.28404	0.50153					
#1	2402.0	4588.2	3655.2	3383.7					
#2	2400.5	4601.6	3665.1	3399.1					
#3	2399.2	4605.3	3644.3	3365.3					

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Sample Name: FA31441-1L Acquired: 2/29/2016 14:49:29 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	0.253	-0.021	0.384	0.000	3.728	-0.001	0.003	0.002
Stddev	0.001	0.025	0.003	0.001	0.000	0.117	0.000	0.001	0.001
%RSD	28.73	1.095	13.83	0.2726	89.91	0.4662	3.761	19.97	47.08
#1	-0.005	0.274	-0.020	0.384	-0.001	3.743	-0.001	0.003	0.001
#2	-0.006	0.226	-0.019	0.383	0.000	3.709	-0.001	0.003	0.002
#3	-0.003	0.259	-0.025	0.385	0.000	3.732	-0.001	0.002	0.004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.006	0.059	0.192	0.304	0.010	-0.007	F 148.6	0.014	0.0050
Stddev	0.001	0.021	0.271	0.055	0.001	0.001	7	0.001	0.010
%RSD	2.571	3.262	14.09	1.833	0.9075	19.46	0.4902	5.616	19.69
#1	0.037	0.071	0.2098	0.3001	0.0101	-0.007	149.2	0.013	0.048
#2	0.037	0.071	0.2057	0.2966	0.0100	-0.008	147.7	0.015	0.060
#3	0.035	0.0634	0.1610	0.3074	0.0099	-0.006	148.7	0.014	0.041
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.011	-0.006	0.205	0.001	0.158	0.065	-0.030	0.001	0.0070
Stddev	0.006	0.003	0.027	0.002	0.001	0.002	0.015	0.001	0.001
%RSD	54.27	61.31	1.135	143.9	0.4694	2.898	49.78	137.9	0.9374
#1	0.015	-0.008	0.2436	0.004	0.158	0.067	-0.045	0.000	0.069
#2	0.015	-0.007	0.2387	0.000	0.158	0.065	-0.015	0.003	0.070
#3	0.004	-0.002	0.2392	0.001	0.159	0.063	-0.032	0.000	0.069
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2393.8	4633.9	3679.4	3441.6					
Stddev	5.6	12.5	62.	29.2					
%RSD	0.23518	0.26926	0.16790	0.84829					
#1	2387.7	4632.0	3677.3	3425.0					
#2	2395.0	4622.5	3674.6	3475.3					
#3	2398.8	4647.2	3686.3	3424.5					

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7.1
7

Sample Name: MP30042-D2 Acquired: 2/29/2016 14:54:02 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	0.020	-0.015	0.239	0.001	5.348	-0.001	0.000	0.001
Stddev	0.004	0.010	0.003	0.000	0.000	0.034	0.000	0.000	0.001
%RSD	91.97	4.754	19.52	0.1345	56.44	6.296	20.49	160.2	101.5
#1	-0.008	0.196	-0.011	0.239	0.001	5.380	-0.001	0.000	0.001
#2	-0.000	0.197	-0.017	0.239	0.000	5.352	-0.001	0.000	0.002
#3	-0.006	0.213	-0.016	0.239	0.001	5.313	-0.001	0.000	0.000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.059	0.589	0.3787	0.3843	0.021	-0.006	F 142.5	0.000	0.010
Stddev	0.002	0.037	0.076	0.113	0.001	0.001	3	0.001	0.002
%RSD	3.740	6.356	1.995	2.950	0.3686	9.451	0.2318	217.2	22.87
#1	0.061	0.576	0.3830	0.3967	0.021	-0.006	142.8	0.000	0.008
#2	0.061	0.632	0.3699	0.3744	0.021	-0.005	142.5	0.001	0.013
#3	0.057	0.560	0.3830	0.3818	0.022	-0.006	142.2	0.000	0.009
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.010	-0.011	0.1218	0.002	0.180	-0.001	-0.002	-0.002	0.017
Stddev	0.010	0.006	0.010	0.003	0.002	0.000	0.002	0.001	0.001
%RSD	99.93	52.65	0.7960	114.0	1.168	56.28	9.278	76.14	6.084
#1	0.002	-0.018	0.1229	-0.001	0.181	-0.001	-0.004	0.000	0.018
#2	0.006	-0.007	0.1214	0.004	0.182	0.000	-0.002	-0.003	0.016
#3	0.020	-0.009	0.1211	0.003	0.178	-0.001	-0.002	-0.002	0.017
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2375.5	4571.2	3598.3	3324.2					
Stddev	10.6	24.9	127.	16.2					
%RSD	0.44630	0.54374	0.35256	0.48783					
#1	2369.1	4548.8	3609.4	3305.4					
#2	2369.7	4566.9	3584.4	3333.1					
#3	2387.7	4598.0	3600.9	3333.9					

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Sample Name: MP30042-MB2 Acquired: 2/29/2016 14:58:31 Type: QC
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.008	0.015	-0.018	-0.004	-0.001	0.013	-0.001	-0.001	-0.001
Stddev	0.003	0.092	0.009	0.002	0.001	0.014	0.000	0.001	0.002
%RSD	39.16	607.9	51.69	64.19	55.70	108.5	35.18	59.18	206.4
#1	-0.004	0.005	-0.007	-0.006	0.000	0.029	-0.002	-0.001	-0.003
#2	-0.009	-0.071	-0.023	-0.001	-0.002	0.011	-0.001	-0.002	0.001
#3	-0.010	0.112	-0.023	-0.005	-0.001	0.000	-0.001	-0.002	-0.001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599							

Sample Name: MP30042-MB2 Acquired: 2/29/2016 14:58:31 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2422.8	4634.9	37035.	3399.5
Stddev	3.6	5.9	147.	10.1
%RSD	.14666	.12650	.39632	.29766
#1	2420.2	4638.4	37201.	3405.0
#2	2426.8	4638.2	36921.	3405.6
#3	2421.3	4628.1	36985.	3387.8

Sample Name: CCV Acquired: 2/29/2016 15:03:02 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	2541	41.99	2.057	2.126	2.055	40.31	2.102	2.143	2.044
Stddev	.008	.10	.004	.009	.006	.21	.004	.002	.009
%RSD	.3187	.2406	.1728	.4297	.3037	.5217	.1689	.1053	.4399
#1	.2532	42.04	2.055	2.127	2.058	40.53	2.098	2.140	2.050
#2	.2544	42.06	2.056	2.135	2.059	40.29	2.102	2.143	2.048
#3	.2548	41.87	2.061	2.116	2.048	40.11	2.105	2.144	2.034

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	2.068	41.69	40.58	40.07	2.027	2.124	40.82	2.083	1.985
Stddev	.008	.09	.15	.17	.009	.004	.12	.003	.002
%RSD	.3948	.2263	.3684	.4331	.4685	.1707	.3018	.1457	.1172
#1	2.059	41.73	40.68	40.25	2.030	2.122	40.82	2.080	1.987
#2	2.075	41.75	40.65	40.06	2.033	2.122	40.95	2.083	1.983
#3	2.069	41.58	40.41	39.90	2.016	2.129	40.70	2.086	1.985

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	2.069	2.102	1.735	2.032	2.029	2.015	2.002	1.972	2.039
Stddev	.001	.001	.001	.002	.007	.006	.006	.004	.005
%RSD	.0487	.0656	.0439	.1068	.3462	.2852	.3094	.2126	.2389
#1	2.068	2.101	1.735	2.029	2.031	2.014	2.009	1.975	2.034
#2	2.070	2.102	1.735	2.032	2.035	2.021	2.001	1.973	2.042
#3	2.068	2.104	1.736	2.033	2.022	2.010	1.997	1.967	2.042

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

7.1
7

Sample Name: CCV Acquired: 2/29/2016 15:03:02 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2297.8	4664.6	37254.	3388.6
Stddev	2.3	8.5	238.	16.8
%RSD	.10019	.18223	.63943	.49467
#1	2295.6	4669.8	36986.	3372.0
#2	2300.1	4669.2	37334.	3388.2
#3	2297.6	4654.8	37442.	3405.6

Sample Name: CCB Acquired: 2/29/2016 15:07:13 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.005	0.088	0.000	-0.003	0.002	0.014	0.000	0.001	0.001
Stddev	.002	.0047	.0005	.004	.001	.0049	.0000	.0001	.002
%RSD	41.52	52.93	3596.	116.5	48.30	358.7	89.66	63.56	325.9
#1	-0.003	.0142	.0000	-0.006	.0003	.0016	.0001	.0001	.0001
#2	-0.004	.0066	.0005	-0.005	.0002	.0062	.0000	.0000	.0003
#3	-0.007	.0057	-0.005	.0001	.0001	-0.036	.0000	.0001	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-0.003	0.122	0.083	0.049	0.001	0.007	0.471	0.000	0.000
Stddev	.003	.0030	.0167	.0089	.0000	.0001	.0085	.000	.000
%RSD	97.38	24.92	200.0	183.2	62.34	18.25	17.96	1053.	394.1
#1	-0.005	.0157	-0.071	.0095	.0001	.0008	.0539	-0.001	-0.001
#2	-0.003	.0103	.0260	.0105	.0000	.0008	.0376	.0002	.0002
#3	.0000	.0105	.0062	-0.054	.0000	.0006	.0497	-0.002	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	0.006	-0.013	0.016	0.003	0.001	0.009	0.002	0.001	-0.002
Stddev	.0004	.0008	.0004	.0001	.0001	.0001	.0001	.0001	.0001
%RSD	61.35	64.24	25.49	49.68	74.72	12.45	58.42	75.04	56.09
#1	.0010	-0.007	.0013	.0001	.0000	.0010	.0003	.0002	-0.001
#2	.0004	-0.022	.0020	.0004	.0001	.0009	.0001	.0001	-0.001
#3	.0004	-0.009	.0013	.0003	.0000	.0008	.0001	.0000	-0.003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 2/29/2016 15:07:13 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2696.4	4826.7	3897.4	3467.6
Stddev	10.2	14.4	176.	21.9
%RSD	.37689	.29924	.45150	.63141
#1	2687.0	4810.4	3880.4	3480.7
#2	2695.0	4832.0	3896.1	3479.9
#3	2707.2	4837.7	3915.5	3442.3

Sample Name: MP30042-B2 Acquired: 2/29/2016 15:11:46 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0498	30.22	2.138	2.234	.0552	26.86	.0547	.5511	.2156
Stddev	.0003	.07	.008	.014	.0002	.14	.0001	.0003	.0011
%RSD	.6136	.2341	.3799	.6290	.2982	.5319	.1422	.0615	.5028
#1	.0501	30.30	2.147	2.248	.0554	27.02	.0546	.5513	.2150
#2	.0495	30.17	2.138	2.220	.0553	26.82	.0548	.5513	.2168
#3	.0498	30.20	2.130	2.235	.0551	26.74	.0547	.5507	.2149

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.2763	29.25	27.36	26.85	.5401	.5612	F 170.3	.5426	.5052
Stddev	.0012	.11	.09	.13	.0016	.0005	2.7	.0018	.0015
%RSD	.4204	.3922	.3423	.4864	.2950	.0919	1.589	.3398	.3046
#1	.2776	29.38	27.38	27.00	.5418	.5609	167.2	.5447	.5062
#2	.2754	29.18	27.44	26.82	.5386	.5618	171.7	.5413	.5034
#3	.2760	29.19	27.25	26.74	.5398	.5609	172.0	.5418	.5060

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 Value Range 25.00 20.00%

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.5361	2.203	.0187	.5384	.5307	.5387	1.986	.4929	.5394
Stddev	.0022	.006	.0002	.0020	.0017	.0022	.007	.0016	.0009
%RSD	.4050	.2842	.9803	.3732	.3118	.4169	.3321	.3275	.1594
#1	.5383	2.210	.0186	.5407	.5319	.5413	1.990	.4939	.5403
#2	.5340	2.202	.0185	.5376	.5313	.5372	1.979	.4910	.5386
#3	.5359	2.197	.0189	.5369	.5288	.5377	1.990	.4937	.5393

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

7.1
7

Sample Name: MP30042-B2 Acquired: 2/29/2016 15:11:46 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2269.0	4569.0	3623.4	3388.7
Stddev	10.1	10.5	147.	18.9
%RSD	.44677	.22876	.40652	.55782
#1	2261.8	4559.2	3610.1	3367.5
#2	2280.6	4580.0	3639.3	3394.9
#3	2264.5	4567.8	3620.8	3403.7

Sample Name: MP30042-MB3 Acquired: 2/29/2016 15:16:09 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-.0004	.0075	-.0021	-.0004	.0000	-.0007	-.0001	-.0002	.0000
Stddev	.0001	.0044	.0007	.0002	.000	.0011	.0000	.0000	.0001
%RSD	33.96	58.39	34.76	64.35	102.4	172.0	29.13	6.550	117.4
#1	-.0005	.0126	-.0015	-.0001	.0000	-.0002	-.0001	-.0001	-.0001
#2	-.0003	.0045	-.0029	-.0006	.0000	-.0020	-.0001	-.0002	.0000
#3	-.0004	.0055	-.0018	-.0003	-.0001	.0002	-.0001	-.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-.0001	.0034	.0805	.0163	-.0001	-.0001	F 154.3	-.0001	.0002
Stddev	.0001	.0057	.0206	.0349	.0000	.0001	2.0	.0001	.0004
%RSD	224.8	168.8	25.58	213.4	26.73	145.7	1.274	71.66	194.7
#1	-.0001	.0096	.1016	.0109	-.0001	-.0002	153.0	-.0001	-.0002
#2	.0001	.0022	.0794	.0536	-.0001	.0001	153.5	.0000	.0003
#3	-.0002	-.0016	.0605	-.0155	-.0001	-.0002	156.6	-.0001	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 High Limit Low Limit 2.500 -2.500

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0003	-.0005	.0076	.0006	.0000	-.0002	-.0008	-.0001	-.0003
Stddev	.0007	.0023	.0001	.0002	.000	.0001	.0002	.0002	.0001
%RSD	224.1	439.1	1.859	41.75	86.69	46.59	18.29	331.8	23.26
#1	.0009	.0018	.0077	.0006	-.0001	-.0001	-.0009	.0002	-.0003
#2	.0006	-.0006	.0076	.0003	-.0001	-.0002	-.0007	-.0002	-.0002
#3	-.0005	-.0027	.0074	.0007	.0000	-.0002	-.0009	-.0002	-.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: MP30042-MB3 Acquired: 2/29/2016 15:16:09 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2398.1	4585.2	3656.6	3365.5
Stddev	4.3	3.4	137.	14.4
%RSD	.18069	.07333	.37357	.42868
#1	2401.7	4588.9	36603.	3372.7
#2	2393.3	4584.0	36680.	3375.0
#3	2399.4	4582.5	36415.	3348.9

Sample Name: MP30042-B3 Acquired: 2/29/2016 15:20:47 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0515	30.74	2.185	2.291	.0560	27.36	.0556	.5605	.2171
Stddev	.0005	.15	.006	.010	.0003	.07	.0003	.0028	.0005
%RSD	.9648	.5018	.2836	.4319	.5645	.2513	.4565	.4908	.2476
#1	.0513	30.68	2.190	2.295	.0561	27.34	.0558	.5633	.2166
#2	.0521	30.91	2.186	2.299	.0562	27.43	.0556	.5603	.2177
#3	.0512	30.62	2.178	2.280	.0556	27.30	.0553	.5578	.2172

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.2803	29.71	27.76	27.12	.5420	.5713	F 183.8	.5504	.5116
Stddev	.0018	.14	.16	.26	.0009	.0015	1.9	.0026	.0014
%RSD	.6384	.4599	.5762	.9658	.1738	.2675	1.056	.4672	.2787
#1	.2819	29.61	27.69	26.91	.5423	.5729	184.7	.5524	.5122
#2	.2784	29.87	27.94	27.41	.5427	.5713	185.0	.5513	.5126
#3	.2805	29.66	27.65	27.04	.5409	.5698	181.5	.5475	.5100

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 Value Range 25.00 20.00%

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.5467	2.254	.0195	.5468	.5395	.5432	2.008	.5004	.5454
Stddev	.0030	.004	.0004	.0019	.0020	.0009	.007	.0016	.0013
%RSD	.5467	.1947	2.304	.3398	.3770	.1728	.3269	.3166	.2450
#1	.5494	2.258	.0200	.5482	.5409	.5427	2.014	.5000	.5461
#2	.5472	2.250	.0192	.5475	.5404	.5427	2.009	.5021	.5463
#3	.5435	2.254	.0192	.5447	.5372	.5443	2.001	.4990	.5439

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

7.1
7

Sample Name: MP30042-B3 Acquired: 2/29/2016 15:20:47 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2250.1	4525.4	36236.	3357.3
Stddev	6.7	21.6	55.	21.7
%RSD	.29668	.47824	.15202	.64557
#1	2243.2	4503.3	36228.	3364.8
#2	2250.4	4526.5	36185.	3332.9
#3	2256.5	4546.5	36294.	3374.3

Sample Name: MP30043-MB1 Acquired: 2/29/2016 15:25:10 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-.0003	.0041	-.0023	-.0003	.0000	.0136	-.0001	-.0001	.0004
Stddev	.0003	.0079	.0003	.0003	.000	.0031	.0000	.0000	.0002
%RSD	88.37	191.1	10.98	81.67	74.75	22.86	23.76	9.658	50.38
#1	-.0006	.0132	-.0023	.0000	.0000	.0171	-.0001	-.0001	.0004
#2	-.0002	-.0005	-.0026	-.0005	.0000	.0122	-.0001	-.0001	.0005
#3	-.0001	-.0004	-.0021	-.0005	.0000	.0114	-.0002	-.0001	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0001	.0132	.0234	.0159	.0001	-.0002	.0963	-.0002	.0000
Stddev	.0002	.0028	.0299	.0111	.0000	.0001	.0048	.0001	.0004
%RSD	168.1	21.33	127.7	69.85	15.43	54.85	4.985	62.13	5387.
#1	-.0001	.0162	.0529	.0105	.0001	-.0002	.1017	-.0003	.0003
#2	.0003	.0128	-.0070	.0286	.0001	-.0003	.0925	-.0001	.0002
#3	.0001	.0106	.0244	.0085	.0001	-.0001	.0947	-.0001	-.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0019	-.0006	.0089	.0213	-.0001	-.0001	-.0008	.0000	.0001
Stddev	.0005	.0004	.0009	.0004	.0000	.0001	.0001	.000	.0000
%RSD	25.14	74.32	10.11	2.047	38.17	101.9	16.46	111.8	25.52
#1	.0024	-.0010	.0084	.0217	-.0001	-.0002	-.0010	.0000	.0001
#2	.0015	-.0006	.0099	.0208	-.0001	-.0001	-.0007	-.0001	.0001
#3	.0018	-.0001	.0083	.0213	-.0001	.0000	-.0008	.0000	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: MP30043-MB1 Acquired: 2/29/2016 15:25:10 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2742.9	4843.5	3956.0	3473.2
Stddev	5.1	10.7	201.	32.5
%RSD	.18727	.22114	.50887	.93450
#1	2742.0	4842.8	39329.	3435.8
#2	2738.2	4833.2	39699.	3493.8
#3	2748.4	4854.6	39651.	3490.0

Sample Name: MP30043-B1 Acquired: 2/29/2016 15:29:42 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0478	29.73	2.008	2.176	.0542	26.57	.0525	.5369	.2087
Stddev	.0003	.02	.004	.003	.0004	.03	.0001	.0007	.0010
%RSD	.5258	.0814	.2054	.1431	.7624	.1185	.2257	.1319	.4732
#1	.0476	29.76	2.011	2.175	.0547	26.54	.0526	.5372	.2076
#2	.0481	29.72	2.004	2.173	.0539	26.61	.0524	.5360	.2092
#3	.0477	29.72	2.011	2.179	.0541	26.57	.0526	.5373	.2093

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.2696	28.85	26.44	26.75	.5264	.5495	26.78	.5281	.4799
Stddev	.0009	.04	.10	.09	.0017	.0012	.02	.0008	.0021
%RSD	.3263	.1266	.3870	.3476	.3304	.2176	.0711	.1508	.4278
#1	.2693	28.82	26.45	26.86	.5244	.5498	26.80	.5289	.4820
#2	.2706	28.85	26.33	26.71	.5273	.5482	26.76	.5280	.4779
#3	.2690	28.89	26.54	26.68	.5274	.5505	26.79	.5273	.4798

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.5089	2.051	.0166	.5466	.5193	.5271	1.931	.4777	.5127
Stddev	.0030	.002	.0002	.0002	.0011	.0012	.007	.0008	.0009
%RSD	.5946	.0922	1.397	.0278	.2179	.2306	.3521	.1679	.1847
#1	.5115	2.052	.0168	.5465	.5200	.5257	1.938	.4770	.5137
#2	.5056	2.052	.0168	.5467	.5180	.5279	1.925	.4786	.5119
#3	.5096	2.048	.0164	.5465	.5199	.5275	1.931	.4777	.5124

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

7.1
7

Sample Name: MP30043-B1 Acquired: 2/29/2016 15:29:42 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2441.6	4757.4	3790.3	3366.2
Stddev	4.5	4.0	22.	14.3
%RSD	.18633	.08492	.05712	.42615
#1	2436.3	4756.2	37928.	3364.4
#2	2444.2	4761.9	37887.	3352.8
#3	2444.2	4754.1	37894.	3381.3

Sample Name: FA31659-1 Acquired: 2/29/2016 15:33:56 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0004	287.5	.0455	.1883	.0017	56.20	-.0015	.0096	.2263
Stddev	.0002	.8	.0010	.0003	.0000	.35	.0001	.0001	.0012
%RSD	43.62	.2717	2.148	.1548	2.271	.6312	6.925	1.476	.5114
#1	-.0005	288.3	.0444	.1887	.0017	56.50	-.0017	.0097	.2255
#2	-.0003	286.8	.0460	.1882	.0017	55.81	-.0014	.0095	.2258
#3	-.0003	287.4	.0461	.1882	.0017	56.30	-.0015	.0098	.2277

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0672	165.2	1.362	7.474	.8219	.0089	.2799	.0374	.1165
Stddev	.0004	1.0	.014	.082	.0036	.0002	.0060	.0000	.0013
%RSD	.5761	.5879	.9892	1.092	.4415	1.793	2.138	.0594	1.143
#1	.0676	166.2	1.350	7.545	.8199	.0088	.2738	.0374	.1151
#2	.0674	164.3	1.377	7.385	.8197	.0090	.2857	.0374	.1168
#3	.0668	165.1	1.359	7.491	.8261	.0087	.2802	.0374	.1177

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0011	.0030	.9603	.0191	.0471	1.206	-.0074	.3775	.2851
Stddev	.0013	.0024	.0023	.0003	.0000	.003	.0005	.0011	.0002
%RSD	118.0	77.54	2.409	1.524	.0411	2.372	7.108	.3022	.0792
#1	.0026	.0039	9581	.0191	.0471	1.204	-.0068	.3774	.2852
#2	.0003	.0004	9601	.0193	.0470	1.205	-.0079	.3764	.2853
#3	.0004	.0049	9627	.0188	.0471	1.210	-.0074	.3786	.2849

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2359.1	5569.4	4335.8	3923.9
Stddev	2.5	7.8	179.	35.9
%RSD	.10712	.13966	.41182	.91528
#1	2357.4	5563.9	4344.3	3882.7
#2	2357.9	5578.3	4347.8	3948.6
#3	2362.0	5566.1	4315.3	3940.3

Sample Name: MP30043-D1 Acquired: 2/29/2016 15:38:16 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.007	275.6	.0420	.1754	.0014	56.49	-0.014	.0089	.2057
Stddev	.0004	1.4	.0009	.0009	.0000	.38	.0001	.0001	.0004
%RSD	48.86	.5073	2.085	.5090	3.182	.6726	9.250	1.054	.2104
#1	-.0003	276.5	.0412	.1761	.0015	56.61	-.0013	.0088	.2059
#2	-.0008	276.4	.0430	.1757	.0014	56.80	-.0016	.0090	.2061
#3	-.0011	274.0	.0419	.1744	.0014	56.07	-.0014	.0089	.2052
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0641	155.7	1.150	11.88	.6823	.0083	.1947	.0365	.0980
Stddev	.0003	.9	.038	.06	.0018	.0003	.0076	.0002	.0003
%RSD	.5104	.5619	3.304	.4654	.2567	4.013	3.929	.6442	.2793
#1	.0640	156.0	1.122	11.88	.6825	.0079	.2034	.0368	.0980
#2	.0638	156.4	1.194	11.94	.6839	.0085	.1890	.0363	.0978
#3	.0644	154.7	1.136	11.83	.6804	.0084	.1917	.0364	.0983
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.002	.0017	1.036	.0186	.0561	1.145	-0.067	.3547	.2472
Stddev	.0025	.0017	.003	.0004	.0005	.004	.0004	.0009	.0001
%RSD	1307.	99.48	.2636	2.115	.9148	.3210	5.368	.2660	.0353
#1	-.0030	.0035	1.040	.0187	.0564	1.147	-.0067	.3548	.2473
#2	.0009	.0001	1.035	.0181	.0564	1.147	-.0063	.3556	.2472
#3	.0016	.0015	1.035	.0189	.0555	1.141	-.0071	.3537	.2472
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2368.9	5446.0	42792.	3908.2					
Stddev	5.9	14.3	227.	34.5					
%RSD	.25076	.26278	.53051	.88180					
#1	2363.5	5436.3	42753.	3885.8					
#2	2367.9	5439.3	42587.	3890.9					
#3	2375.2	5462.5	43036.	3947.9					

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Sample Name: MP30043-SD1 Acquired: 2/29/2016 15:42:35 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.023	339.4	.0457	.2239	.0019	67.01	-0.025	.0122	.2732
Stddev	.0021	1.2	.0008	.0032	.0002	.16	.0004	.0001	.0007
%RSD	90.65	.3429	1.781	1.431	9.004	.2315	17.81	.7632	.2661
#1	-.0002	338.7	.0448	.2203	.0019	66.84	-.0021	.0122	.2725
#2	-.0024	340.7	.0460	.2251	.0017	67.05	-.0023	.0122	.2739
#3	-.0044	338.7	.0464	.2263	.0020	67.14	-.0030	.0123	.2732
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0808	203.1	1.944	8.812	.9959	.0076	.9682	.0448	.1181
Stddev	.0006	.6	.049	.043	.0010	.0005	.0584	.0008	.0017
%RSD	.6857	.2905	2.541	.4863	.1042	6.657	6.033	1.880	1.412
#1	.0802	202.4	1.905	8.858	.9960	.0079	.9560	.0458	.1197
#2	.0812	203.5	1.999	8.804	.9948	.0079	.9168	.0443	.1164
#3	.0811	203.2	1.927	8.774	.9968	.0070	1.032	.0443	.1184
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.019	-0.006	1.179	.0233	.0555	1.444	-0.094	.4499	.3974
Stddev	.0027	.0127	.005	.0009	.0006	.001	.0011	.0012	.0016
%RSD	144.0	2209.	.3882	4.002	1.166	.0746	11.53	.2747	.4015
#1	.0008	.0131	1.174	.0244	.0551	1.445	-.0086	.4511	.3961
#2	-.0046	-.0030	1.180	.0226	.0563	1.444	-.0107	.4500	.3970
#3	-.0019	-.0118	1.183	.0229	.0551	1.443	-.0090	.4486	.3992
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2536.3	5017.4	39917.	3542.5					
Stddev	6.3	4.7	76.	14.1					
%RSD	.24841	.09312	.19053	.39845					
#1	2538.5	5022.8	39915.	3557.0					
#2	2541.1	5014.9	39994.	3528.8					
#3	2529.1	5014.5	39842.	3541.8					

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Sample Name: MP30043-PS1 Acquired: 2/29/2016 15:46:58 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0412	284.3	1.281	4.139	.0459	59.02	.0400	.0518	.2615
Stddev	.0002	.6	.0017	.0006	.0001	.15	.0000	.0001	.0010
%RSD	.3720	.1979	1.350	.1449	.1709	.2517	.1092	.2189	.3890
#1	.0413	284.8	1.279	4.146	.0460	59.19	.0400	.0517	.2622
#2	.0413	283.7	1.300	4.134	.0458	58.95	.0399	.0518	.2620
#3	.0410	284.2	1.265	4.138	.0458	58.91	.0400	.0519	.2603
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1586	164.2	9.792	11.43	8.354	.0929	8.955	.1174	.1569
Stddev	.0010	.4	.019	.05	.0071	.0002	.025	.0003	.0009
%RSD	.6373	.2178	.1911	.4341	.8461	.1783	2.751	.2286	.5637
#1	.1580	164.6	9.814	11.46	.8375	.0928	8.973	.1171	.1568
#2	.1598	163.9	9.778	11.46	.8412	.0929	8.927	.1176	.1578
#3	.1581	164.1	9.785	11.37	.8275	.0931	8.964	.1175	.1560
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0855	.0831	.9444	.0565	.0872	1.250	.0821	.4027	.4849
Stddev	.0007	.0026	.0019	.0002	.0003	.007	.0023	.0019	.0007
%RSD	.7687	3.126	.1970	.2988	.3413	.5959	2.829	.4743	.1405
#1	.0854	.0803	.9460	.0566	.0875	1.252	.0841	.4040	.4848
#2	.0861	.0854	.9424	.0563	.0871	1.257	.0826	.4036	.4856
#3	.0848	.0837	.9449	.0565	.0870	1.242	.0796	.4005	.4843
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2364.7	5574.4	43665.	3899.8					
Stddev	7.1	7.7	260.	14.2					
%RSD	.30178	.13752	.59566	.36467					
#1	2357.6	5568.3	43438.	3884.5					
#2	2364.6	5583.0	43609.	3902.4					
#3	2371.9	5571.9	43949.	3912.6					

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Sample Name: MP30043-S1 Acquired: 2/29/2016 15:51:15 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0422	300.2	1.686	2.090	.0483	48.56	.0417	.4479	.3680
Stddev	.0004	1.8	.002	.010	.0003	.22	.0002	.0008	.0010
%RSD	.9450	.5855	.1298	.4674	.5234	.4603	.4402	.1696	.2724
#1	.0419	299.8	1.688	2.093	.0481	48.54	.0418	.4487	.3669
#2	.0421	302.1	1.686	2.098	.0485	48.78	.0415	.4479	.3689
#3	.0427	298.7	1.683	2.079	.0482	48.34	.0418	.4472	.3683
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3057	171.6	24.23	25.67	.9999	.4142	23.74	.4660	.5621
Stddev	.0008	1.0	.13	.13	.0013	.0009	.12	.0002	.0010
%RSD	.2504	.5623	.5559	.5130	.1306	.2180	.5136	.0430	.1856
#1	.3065	171.3	24.27	25.58	.9987	.4150	23.76	.4662	.5633
#2	.3								

Sample Name: CCV Acquired: 2/29/2016 15:55:27 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2583	42.63	2.103	2.175	2.082	40.91	2.156	F 2.207	2.076
Stddev	.0011	.12	.005	.008	.004	.03	.001	.001	.002
%RSD	.4315	.2780	.2427	.3498	.2136	.0745	.0646	.0231	.0861

#1	.2595	42.72	2.102	2.182	2.085	40.88	2.156	2.208	2.074
#2	.2573	42.66	2.098	2.176	2.085	40.90	2.157	2.207	2.075
#3	.2580	42.49	2.108	2.167	2.077	40.94	2.154	2.207	2.078

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass
 Value 2.000
 Range 10.00%

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.107	42.26	41.28	40.42	2.040	2.185	41.55	2.131	2.018
Stddev	.007	.11	.14	.07	.002	.001	.06	.001	.005
%RSD	.3147	.2491	.3282	.1783	.1078	.0568	.1552	.0289	.2615

#1	2.114	42.38	41.44	40.34	2.038	2.184	41.63	2.131	2.016
#2	2.102	42.24	41.20	40.43	2.040	2.184	41.52	2.130	2.013
#3	2.103	42.17	41.21	40.48	2.043	2.186	41.51	2.132	2.023

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.120	2.157	1.774	2.072	2.050	2.033	2.033	1.994	2.084
Stddev	.006	.004	.004	.001	.006	.001	.008	.003	.002
%RSD	.2725	.1806	.2519	.0557	.2803	.0672	.3925	.1428	.0998

#1	2.114	2.153	1.769	2.072	2.056	2.034	2.029	1.995	2.084
#2	2.126	2.161	1.775	2.071	2.049	2.032	2.028	1.991	2.086
#3	2.119	2.157	1.777	2.073	2.044	2.032	2.042	1.997	2.082

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 2/29/2016 15:55:27 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2261.8	4557.9	36959.	3347.4
Stddev	5.7	8.3	25.	3.9
%RSD	.25112	.18311	.06656	.11717

#1	2266.3	4563.9	36983.	3344.3
#2	2263.8	4561.3	36960.	3351.9
#3	2255.4	4548.4	36933.	3346.1

Sample Name: CCB Acquired: 2/29/2016 15:59:38 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0053	-0.0006	-0.0003	.0002	.0022	.0000	.0001	.0000
Stddev	.000	.0060	.0005	.0003	.0000	.0018	.0000	.0000	.0002
%RSD	1100.	114.5	78.88	102.4	25.68	84.76	81.50	56.55	380.7

#1	-.0001	-.0013	-.0010	-.0001	.0002	.0028	.0001	.0001	.0002
#2	-.0004	.0105	-.0007	-.0007	.0001	.0001	.0000	.0000	.0000
#3	.0004	.0066	-.0001	-.0001	.0002	.0035	.0000	.0000	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0006	.0142	.0146	-0.0025	.0001	.0008	.0266	.0000	.0001
Stddev	.0002	.0032	.0148	.0188	.0000	.0002	.0075	.000	.0003
%RSD	35.89	22.36	101.6	740.7	41.03	23.31	28.18	202.8	224.1

#1	-.0004	.0114	.0057	.0030	.0001	.0010	.0191	.0000	.0003
#2	-.0008	.0177	.0317	.0128	.0001	.0008	.0341	.0000	.0004
#3	-.0007	.0137	.0063	-.0235	.0001	.0006	.0267	.0000	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	-0.0001	.0008	.0004	.0001	.0002	-0.0003	.0001	-0.0002
Stddev	.0002	.0014	.0004	.0002	.0001	.0001	.0007	.0001	.0000
%RSD	33.79	1363.	51.48	48.94	100.3	29.18	241.6	57.10	7.954

#1	.0005	.0015	.0012	.0002	.0003	.0003	-.0008	.0001	-.0001
#2	.0010	-.0011	.0008	.0004	.0001	.0002	.0005	.0002	-.0002
#3	.0006	-.0008	.0004	.0006	.0001	.0002	-.0005	.0001	-.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 2/29/2016 15:59:38 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2704.2	4798.2	38786.	3331.0
Stddev	1.7	15.4	223.	21.3
%RSD	.06151	.32169	.57548	.63803

#1	2702.3	4796.0	38576.	3341.4
#2	2705.2	4814.6	38761.	3306.5
#3	2705.1	4783.9	39021.	3345.0

Sample Name: MP30043-S2 Acquired: 2/29/2016 16:04:11 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Aq3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0423	369.0	1.658	2.106	.0487	46.51	.0403	.4427	.5214
Stddev	.0008	.7	.009	.006	.0002	.08	.0002	.0013	.0016
%RSD	1.962	.1894	.5669	.2795	.4995	.1793	.4812	.2886	.3031
#1	.0432	368.3	1.669	2.100	.0484	46.42	.0405	.4442	.5198
#2	.0416	369.0	1.653	2.108	.0489	46.55	.0403	.4419	.5213
#3	.0422	369.7	1.653	2.111	.0487	46.58	.0401	.4421	.5230
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3222	222.8	24.29	26.22	1.177	.4051	23.52	.4662	.5678
Stddev	.0004	.2	.08	.09	.004	.0014	.05	.0013	.0008
%RSD	.1145	.0759	.3226	.3372	.3438	.3389	.2050	.2895	.1453
#1	.3218	222.7	24.22	26.18	1.175	.4066	23.47	.4677	.5684
#2	.3223	222.8	24.29	26.32	1.176	.4049	23.57	.4652	.5682
#3	.3225	223.0	24.37	26.15	1.182	.4038	23.53	.4656	.5669
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1079	1.641	1.315	.4145	.4772	1.532	1.798	.8384	.6417
Stddev	.0016	.006	.005	.0014	.0010	.002	.003	.0015	.0015
%RSD	1.477	.3680	.3543	.3341	.2058	.1560	.1565	.1775	.2391
#1	.1095	1.647	1.321	.4161	.4761	1.533	1.801	.8373	.6435
#2	.1080	1.635	1.313	.4134	.4776	1.529	1.799	.8378	.6409
#3	.1063	1.639	1.312	.4139	.4780	1.534	1.795	.8401	.6407
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2282.1	5429.1	41738.	3777.9					
Stddev	6.8	22.1	110.	6.5					
%RSD	.29771	.40714	.26301	.17086					
#1	2274.3	5403.9	41828.	3781.8					
#2	2285.1	5438.5	41770.	3781.4					
#3	2286.9	5444.9	41616.	3770.4					

Sample Name: CRIA Acquired: 2/29/2016 16:08:25 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Aq3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0089	.2646	.0099	.2229	.0052	1.065	.0056	.0589	.0108
Stddev	.0004	.0014	.0001	.0012	.0002	.003	.0001	.0002	.0003
%RSD	4.388	.5275	.7912	.5533	3.064	.3148	.9372	.4084	2.345
#1	.0087	.2630	.0099	.2215	.0053	1.064	.0056	.0588	.0106
#2	.0088	.2651	.0098	.2238	.0050	1.063	.0057	.0588	.0108
#3	.0094	.2657	.0100	.2235	.0053	1.069	.0056	.0592	.0111
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0271	.3779	10.50	5.209	.0163	.0554	10.66	.0455	.0053
Stddev	.0003	.0043	.02	.018	.0001	.0002	.05	.0001	.0008
%RSD	1.180	1.146	.2275	.3402	.4862	.3321	.4694	.1165	14.23
#1	.0267	.3799	10.47	5.192	.0164	.0553	10.62	.0455	.0054
#2	.0272	.3809	10.52	5.227	.0162	.0554	10.66	.0455	.0060
#3	.0273	.3730	10.50	5.208	.0164	.0556	10.72	.0454	.0045
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0063	.0114	.0450	.0553	.0102	.0102	.0104	.0487	.0220
Stddev	.0005	.0004	.0002	.0003	.0001	.0001	.0007	.0002	.0001
%RSD	7.206	3.116	4.570	5.286	.5934	.9024	7.150	.4548	.5605
#1	.0059	.0111	.0452	.0550	.0102	.0103	.0097	.0484	.0220
#2	.0068	.0113	.0450	.0556	.0102	.0102	.0112	.0487	.0219
#3	.0062	.0118	.0448	.0554	.0103	.0102	.0103	.0489	.0222
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2573.0	4693.3	38245.	3382.6					
Stddev	10.9	17.0	223.	9.5					
%RSD	.42244	.36233	.58263	.28143					
#1	2585.5	4712.9	38085.	3389.8					
#2	2566.3	4684.6	38499.	3371.8					
#3	2567.2	4682.5	38150.	3386.3					

Sample Name: ICSA Acquired: 2/29/2016 16:12:52 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Aq3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	
Avg	-0.0008	F 530.2	-0.0010	-0.0003	.0000	482.5	-0.0014	-0.0004	
Stddev	.0004	2.2	.0010	.0004	.000	3.6	.0002	.0002	
%RSD	48.35	4.219	99.82	155.4	27.56	.7456	11.61	44.36	
#1	-0.0006	532.5	-0.0001	-0.0005	-0.0001	480.3	-0.0012	-0.0002	
#2	-0.0012	530.1	-0.0014	-0.0002	.0000	486.7	-0.0016	-0.0006	
#3	-0.0005	528.0	-0.0018	-0.0005	-0.0001	480.5	-0.0015	-0.0005	
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	
Avg	.0008	.0006	196.6	.0454	F 513.4	-0.0004	-0.0005	.1588	
Stddev	.0002	.0002	.3	.0253	1.8	.0001	.0003	.0092	
%RSD	31.25	36.31	.1329	55.80	.3494	11.86	51.59	5.796	
#1	.0007	.0004	196.5	.0311	512.6	-0.0005	-0.0004	.1482	
#2	.0005	.0007	196.4	.0746	512.2	-0.0004	-0.0003	.1634	
#3	.0010	.0008	196.9	.0304	515.5	-0.0004	-0.0008	.1648	
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	
Avg	.0003	F -.0052	.0037	-0.0002	.0204	.0014	.0001	-0.0002	
Stddev	.0000	.0012	.0014	.0057	.0006	.0003	.0001	.0001	
%RSD	8.657	22.67	36.93	2868.	3.123	17.43	164.2	85.02	
#1	.0003	-.0065	.0036	-.0028	.0206	.0012	.0002	-0.0002	
#2	.0003	-.0043	.0050	-.0041	.0197	.0017	.0001	.0000	
#3	.0004	-.0047	.0023	.0063	.0209	.0015	-0.0001	-0.0002	
Elem	Ti1908	V_2924	Zn2062						
IS Ref	(In2306)	(Y_3600)	(Y_2243)						
Avg	.0016	.0006	-0.0034						
Stddev	.0019	.0002	.0001						
%RSD	114.3	41.20	3.134						
#1	-.0005	.0003	-.0035						
#2	.0024	.0007	-.0033						
#3	.0029	.0008	-.0033						

Sample Name: ICSA Acquired: 2/29/2016 16:12:52 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1991.6	4164.2	33194.	3145.4					
Stddev	3.9	7.9	120.	10.8					
%RSD	.19503	.19078	.36112	.34486					
#1	1988.8	4157.0	33257.	3156.8					
#2	1996.0	4172.7	33270.	3144.1					
#3	1990.0	4163.0	33056.	3135.2					

Sample Name: ICSAB Acquired: 2/29/2016 16:17:30 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F 1.098	F 537.5	1.100	.5967	.5685	485.4	1.042	5.408	5.297
Stddev	.004	5.0	.002	.0022	.0015	2.0	.002	.0011	.0024
%RSD	.3374	.9385	.2098	.3625	.2708	.4194	.1855	.1948	.4564
#1	1.101	542.7	1.100	.5953	.5668	487.7	1.044	5.419	5.283
#2	1.094	532.6	1.102	.5956	.5688	484.1	1.041	5.399	5.282
#3	1.097	537.1	1.097	.5991	.5699	484.4	1.040	5.404	5.324
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.6121	195.8	.0043	F 514.3	.5403	1.025	.1650	1.028	.9948
Stddev	.0013	.2	.0566	.8	.0010	.001	.0012	.003	.0091
%RSD	.2144	.0814	.1317	.1558	.1933	.1264	.7318	.3086	.9110
#1	.6136	195.7	-.0561	514.3	.5410	1.027	.1641	1.031	1.004
#2	.6114	195.7	.0129	513.4	.5391	1.025	.1644	1.027	.9937
#3	.6112	196.0	.0561	515.0	.5408	1.024	.1663	1.025	.9863
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	1.045	1.047	.0780	.9318	1.026	.9945	.9347	4.875	1.025
Stddev	.002	.009	.0009	.0044	.005	.0023	.0067	.0011	.004
%RSD	.1676	.8092	1.138	.4743	.4723	.2272	.7132	.2229	.3935
#1	1.047	1.047	.0781	.9368	1.021	.9966	.9422	4.867	1.029
#2	1.043	1.056	.0788	.9301	1.026	.9921	.9324	4.870	1.025
#3	1.046	1.039	.0770	.9285	1.030	.9948	.9295	4.888	1.021
Int. Std.	ln2306	Y_2243	Y_3600	Y_3710					
Avg	1970.2	4172.1	33019.	3046.2					
Stddev	5.8	3.6	132.	9.5					
%RSD	.29489	.08618	.39850	.31241					
#1	1964.0	4169.9	33011.	3038.9					
#2	1971.1	4170.3	33155.	3057.0					
#3	1975.5	4176.3	32892.	3042.8					

Sample Name: ALSIC Acquired: 2/29/2016 16:22:00 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	F .0080	F -.0002	F -.0039
Stddev	.0014	.0002	.0002
%RSD	16.98	78.92	4.026
#1	.0074	-.0004	-.0040
#2	.0070	-.0001	-.0037
#3	.0095	-.0001	-.0040
Check ?	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	2.000
Range	-10.00%	-10.00%	-10.00%
Int. Std.	ln2306	Y_2243	Y_3600
Units	Cts/S	Cts/S	Cts/S
Avg	2343.2	4845.2	36232.
Stddev	21.9	52.5	88.
%RSD	.93344	1.0830	.24203
#1	2336.6	4821.9	36156.
#2	2367.6	4905.3	36328.
#3	2325.4	4808.4	36211.

Sample Name: ALSIC Acquired: 2/29/2016 16:22:00 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0003	F 531.5	F .0013	F -.0003	F .0001	F .1633	F .0001	F -.0002
Stddev	.0003	8.1	.0014	.0004	.0001	.0068	.0001	.0001
%RSD	119.5	1.532	103.0	148.0	111.8	4.166	123.1	64.06
#1	.0001	535.9	-.0002	-.0007	.0001	.1710	.0002	-.0001
#2	-.0003	522.1	.0018	-.0003	.0001	.1609	.0002	-.0001
#3	-.0005	536.4	.0023	.0002	.0000	.1581	.0000	-.0003
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2500	40.00	2.000	2.000	2.000	40.00	2.000	2.000
Range	-10.00%	10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0005	F .0002	F .0822	F .0138	F .0528	F .0000	F .0000	F .1180
Stddev	.0001	.0001	.0043	.0170	.0177	.000	.002	.0098
%RSD	10.19	91.28	5.239	123.5	33.57	760.9	1334.	8.349
#1	-.0006	.0000	.0872	.0093	.0570	.0000	.0003	.1198
#2	-.0005	.0002	.0791	-.0005	.0681	.0000	-.0001	.1268
#3	-.0005	.0003	.0804	.0326	.0334	.0000	-.0002	.1073
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	40.00	40.00	40.00	2.000	2.000	40.00
Range	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0003	F -.0047	F .0000	F -.0033	.0304	F .0004	F .0001	F .0005
Stddev	.0001	.0035	.0006	.0040	.0005	.0004	.0001	.0001
%RSD	31.51	74.73	282.7	120.7	1.616	87.35	96.33	22.52
#1	-.0003	-.0075	-.0002	.0008	.0307	.0007	.0002	.0005
#2	-.0002	-.0008	.0007	-.0071	.0307	.0000	.0002	.0006
#3	-.0004	-.0059	-.0004	-.0036	.0298	.0006	.0000	.0004
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	2.000	2.000		2.000	2.000	2.000
Range	-10.00%	-10.00%	-10.00%	-10.00%		-10.00%	-10.00%	-10.00%

Sample Name: CASIC Acquired: 2/29/2016 16:26:34 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0006	F .1045	F -.0013	F .0005	F -.0001	F 486.4	F .0001	F .0000
Stddev	.0003	.0079	.0004	.0001	.0000	2.5	.0000	.0000
%RSD	54.26	7.602	31.58	15.33	64.06	5.185	52.66	244.6
#1	-.0006	.1134	-.0009	.0005	-.0001	486.1	.0001	.0000
#2	-.0009	.0981	-.0014	.0005	-.0001	484.0	.0001	.0000
#3	-.0002	.1020	-.0018	.0004	.0000	489.0	.0001	.0000
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2500	40.00	2.000	2.000	2.000	40.00	2.000	2.000
Range	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	10.00%	-10.00%	-10.00%
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0004	F -.0006	F .0282	F .0253	F .0287	F .0002	F -.0001	F .0400
Stddev	.0002	.0001	.0021	.0253	.0056	.0000	.0001	.0122
%RSD	57.57	14.71	7.418	100.0	19.41	12.21	141.2	30.66
#1	-.0003	-.0005	.0299	.0349	.0322	.0002	-.0001	.0470
#2	-.0002	-.0007	.0259	.0444	.0223	.0002	-.0002	.0258
#3	-.0006	-.0006	.0288	-.0034	.0316	.0002	.0000	.0470
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	40.00	40.00	2.000	2.000	2.000	40.00
Range	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0002	F -.0004	F -.0016	F -.0024	.0089	F .0000	F -.0007	F -.0004
Stddev	.0002	.0010	.0012	.0014	.0002	.0003	.0001	.0001
%RSD	60.56	218.4	74.51	61.08	2.852	205.3	8.377	32.22
#1	.0001	.0007	-.0030	-.0007	.0067	.0003	-.0006	-.0006
#2	.0003	-.0009	-.0006	-.0031	.0069	.0000	-.0007	-.0004
#3	.0004	-.0011	-.0013	-.0032	.0070	-.0003	-.0008	-.0003
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	2.000	2.000		2.000	2.000	2.000
Range	-10.00%	-10.00%	-10.00%	-10.00%		-10.00%	-10.00%	-10.00%

Sample Name: CASIC Acquired: 2/29/2016 16:26:34 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	F .0018	F -.0002	F -.0014
Stddev	.0015	.0001	.0001
%RSD	86.30	52.87	4.410
#1	.0031	-.0003	-.0013
#2	.0021	-.0001	-.0014
#3	.0001	-.0003	-.0014
Check ?	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	2.000
Range	-10.00%	-10.00%	-10.00%

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2239.4	4390.4	35787.7	3263.9
Stddev	5.7	10.7	119.7	17.7
%RSD	.25483	.24271	.33202	.54314
#1	2244.0	4382.6	35660.0	3278.8
#2	2241.3	4402.6	35895.0	3268.6
#3	2233.1	4386.1	35807.0	3244.3

Sample Name: FESIC Acquired: 2/29/2016 16:31:15 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0017	F .0007	F -.0025	F -.0012	F -.0001	F .1217	F -.0013	F -.0005
Stddev	.0004	.0026	.0009	.0006	.0001	.0080	.0002	.0001
%RSD	25.40	361.8	35.59	48.18	62.62	6.604	19.57	11.09
#1	-.0020	.0034	-.0017	-.0008	-.0001	.1215	-.0015	-.0006
#2	-.0020	.0004	-.0022	-.0018	.0000	.1299	-.0013	-.0005
#3	-.0012	-.0017	-.0034	-.0009	-.0002	.1138	-.0010	-.0005
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2.000	40.00	2.000	2.000	2.000	40.00	2.000	2.000
Range	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0021	F .0027	F 203.2	F -.0500	F -.0479	F -.0006	F -.0014	F .0377
Stddev	.0001	.0002	1.6	.0257	.0135	.0001	.0001	.0138
%RSD	6.757	7.594	.7970	51.50	28.23	12.43	3.501	36.66
#1	.0021	.0028	204.8	-.0298	-.0383	-.0006	-.0015	.0229
#2	.0019	.0029	203.3	-.0412	-.0634	-.0005	-.0014	.0398
#3	.0022	.0025	201.6	-.0789	-.0421	-.0006	-.0015	.0503
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	40.00	40.00	40.00	2.000	2.000	40.00
Range	-10.00%	-10.00%	10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0000	F -.0041	F .0036	F .0003	.0395	F .0012	F -.0002	F -.0007
Stddev	.0002	.0005	.0008	.0004	.0002	.0003	.0000	.0001
%RSD	10510.	12.12	22.99	123.7	.4823	22.66	20.96	11.13
#1	-.0003	-.0036	.0045	-.0001	.0397	.0013	-.0002	-.0006
#2	.0001	-.0041	.0036	.0007	.0395	.0014	-.0002	-.0008
#3	.0002	-.0046	.0028	.0005	.0393	.0009	-.0001	-.0007
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	2.000	2.000		2.000	2.000	2.000
Range	-10.00%	-10.00%	-10.00%	-10.00%		-10.00%	-10.00%	-10.00%

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Sample Name: FESIC Acquired: 2/29/2016 16:31:15 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	F -.0094	F .0016	F .0030
Stddev	.0008	.0003	.0001
%RSD	8.818	17.66	1.921
#1	-.0101	.0014	.0030
#2	-.0095	.0014	.0030
#3	-.0085	.0019	.0029
Check ?	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	2.000
Range	-10.00%	-10.00%	-10.00%

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2609.2	4611.2	37518.0	3260.0
Stddev	7.2	11.6	199.7	24.4
%RSD	.27615	.25144	.53022	.74772
#1	2600.9	4598.4	37745.0	3232.0
#2	2613.8	4614.3	37376.0	3271.3
#3	2612.8	4621.0	37432.0	3276.6

Sample Name: MGSIC Acquired: 2/29/2016 16:35:46 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0006	F .0154	F -.0009	F -.0004	F -.0001	F .0832	F .0000	F .0001
Stddev	.0002	.0087	.0003	.0001	.0000	.0036	.0000	.0001
%RSD	38.67	56.59	37.42	31.39	84.77	4.300	146.4	73.02
#1	.0008	.0088	-.0013	-.0006	.0000	.0795	.0000	.0001
#2	.0004	.0121	-.0006	-.0005	-.0001	.0835	.0001	.0002
#3	.0007	.0253	-.0009	-.0003	.0000	.0867	.0000	.0001
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2.000	40.00	2.000	2.000	2.000	40.00	2.000	2.000
Range	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0002	F -.0009	F .0411	F -.0095	F 515.5	F .0003	F -.0008	F .0525
Stddev	.0001	.0002	.0045	.0281	3.0	.0000	.0001	.0030
%RSD	44.37	22.44	10.85	295.8	.5766	16.11	11.60	5.753
#1	-.0001	-.0008	.0431	.0099	512.2	.0002	-.0008	.0530
#2	-.0002	-.0012	.0441	-.0417	518.0	.0002	-.0009	.0552
#3	-.0003	-.0009	.0360	.0033	516.3	.0003	-.0007	.0492
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	40.00	40.00	40.00	2.000	2.000	40.00
Range	-10.00%	-10.00%	-10.00%	-10.00%	10.00%	-10.00%	-10.00%	-10.00%

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0002	F .0008	F .0009	F -.0001	.0005	F .0003	F .0000	F -.0003
Stddev	.0001	.0008	.0002	.0006	.0001	.0002	.0000	.0000
%RSD	87.33	103.5	17.49	465.2	13.05	78.33	3743.	5.865
#1	.0003	-.0001	.0010	-.0008	.0005	.0001	.0000	-.0003
#2	.0001	.0011	.0009	-.0003	.0005	.0005	.0000	-.0003
#3	.0001	.0014	.0007	.0001	.0006	.0003	.0001	-.0003
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	2.000	2.000		2.000	2.000	2.000
Range	-10.00%	-10.00%	-10.00%	-10.00%		-10.00%	-10.00%	-10.00%

Sample Name: MGSIC Acquired: 2/29/2016 16:35:46 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	F -.0001	F -.0007	F .0030
Stddev	.0005	.0001	.0001
%RSD	510.1	12.32	3.097
#1	-0.007	-0.009	.0031
#2	.0003	-0.007	.0029
#3	.0001	-0.007	.0030
Check ?	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	2.000
Range	-10.00%	-10.00%	-10.00%

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2263.0	4429.6	3585.1	3274.0
Stddev	4.9	13.1	81.	35.4
%RSD	.21841	.29510	.22492	1.0804
#1	2262.6	4444.7	3591.0	3311.3
#2	2258.3	4422.3	35884.	3240.9
#3	2268.1	4421.7	35759.	3270.0

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Sample Name: CCV Acquired: 2/29/2016 16:40:17 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2555	42.61	2.075	2.159	2.073	40.40	2.129	2.183	2.043
Stddev	.0008	.08	.006	.008	.004	.03	.004	.006	.010
%RSD	.3007	.1901	.2831	.3845	.1826	.0686	.1692	.2911	.4968
#1	.2561	42.69	2.068	2.168	2.077	40.38	2.125	2.176	2.037
#2	.2557	42.53	2.078	2.151	2.072	40.40	2.132	2.188	2.038
#3	.2547	42.62	2.079	2.158	2.070	40.43	2.130	2.186	2.055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.084	42.12	40.93	40.14	2.012	2.165	41.12	2.102	1.980
Stddev	.009	.06	.11	.15	.010	.009	.11	.003	.002
%RSD	.4289	.1509	.2667	.3803	.4783	.4336	.2751	.1173	.0968
#1	2.091	42.17	40.82	39.96	2.005	2.154	41.21	2.099	1.981
#2	2.088	42.15	40.92	40.20	2.008	2.170	40.99	2.104	1.981
#3	2.074	42.05	41.04	40.25	2.023	2.171	41.16	2.101	1.978
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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Sample Name: CCV Acquired: 2/29/2016 16:40:17 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2285.3	4582.7	37188.	3289.6
Stddev	4.3	18.4	146.	15.8
%RSD	.18989	.40132	.39222	.48097
#1	2286.4	4600.6	37263.	3304.1
#2	2289.1	4583.7	37280.	3292.0
#3	2280.6	4563.9	37019.	3272.7

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Sample Name: CCB Acquired: 2/29/2016 16:44:29 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	.0017	-0.0005	-0.0003	.0002	.0055	.0000	.0001	.0001
Stddev	.0002	.0024	.0001	.0002	.0001	.0039	.0001	.0001	.0002
%RSD	95.25	144.9	15.65	53.84	28.36	71.39	214.1	62.62	165.0
#1	-0.0002	.0045	-0.0006	-0.0003	.0002	.0048	.0001	.0002	.0003
#2	-0.0003	.0002	-0.0006	-0.0004	.0003	.0096	.0000	.0000	.0001
#3	.0000	.0003	-0.0005	-0.0001	.0002	.0019	.0000	.0002	-0.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0008	.0116	-0.0203	.0231	.0001	.0010	.0343	.0001	-0.0002
Stddev	.0004	.0023	.0422	.0168	.0000	.0004	.0075	.0003	.0003
%RSD	45.96	19.68	207.5	72.51	75.11	42.10	22.02	469.7	123.0
#1	-0.0012	.0138	.0274	.0412	.0001	.0014	.0411	.0003	-0.0001
#2	-0.0005	.0119	-0.0359	.0202	.0001	.0009	.0355	.0000	-0.0005
#3	-0.0007	.0092	-0.0525	.0080	.0000	.0006	.0262	-0.0002	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	-0.0001	.0001	.0003	.0001	.0001	-0.0009	.0001	-0.0002
Stddev	.0012	.0018	.0005	.0001	.0000	.0001	.0008	.0001	.0000
%RSD	1910.	1713.	678.5	32.51	17.86	77.27	81.29	111.8	20.11
#1	-0.0013	.0019	-0.0005	.0004	.0001	.0002	-0.0001	.0001	-0.0002
#2	.0010	-0.0016	.0005	.0002	.0001	.0001	-0.0017	.0003	-0.0002
#3	.0001	-0.0006	.0002	.0002	.0002	.0000	-0.0010	.0000	-0.0001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 2/29/2016 16:44:29 Type: QC
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2721.5	4791.6	38714.	3279.0
Stddev	3.6	5.9	287.	22.4
%RSD	.13100	.12297	.74110	.68264
#1	2721.5	4785.0	38425.	3253.4
#2	2718.0	4793.1	38719.	3288.8
#3	2725.1	4796.5	38999.	3294.8

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000010	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000078	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000003	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000100	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000001	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000015	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000127	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000003	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000041	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000187	0.000000	No
			Fe	0.000044	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000019	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	-0.000058	0.000000	No
			Ca	0.000002	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000029	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	0.000049	0.000000	No
			Al	-0.000020	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000006	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.000163	0.611410	0.000000	1.000000
Al 396.152 { 85}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.000739	0.216220	0.000000	1.000000
As 189.042 {478}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.000628	0.202305	0.000000	1.000000
Ba 455.403 { 74}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.006091	8.635491	0.000000	1.000000
Be 313.042 {108}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.000486	12.236808	0.000000	1.000000
Ca 317.933 {106}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.003092	0.277165	0.000000	1.000000
Cd 226.502 {449}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.001176	5.035032	0.000000	1.000000
Co 228.616 {447}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.000708	2.681318	0.000000	1.000000
Cr 267.716 {126}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.000141	0.576483	0.000000	1.000000
Cu 324.754 {104}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.007161	0.923758	0.000000	1.000000
Fe 259.940 {130}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.002030	0.185435	0.000000	1.000000
In 230.606 {446}*	2/29/2016 10:58:12	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.003185	0.111070	0.000000	1.000000
Mg 279.079 {121}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.000384	0.027894	0.000000	1.000000
Mn 257.610 {131}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.000885	3.246764	0.000000	1.000000
Mo 202.030 {467}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.001386	1.169087	0.000000	1.000000
Na 589.592 { 57}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.017810	0.436573	0.000000	1.000000
Ni 231.604 {445}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.000165	1.679235	0.000000	1.000000
Pb 220.353 {453}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.000338	0.920125	0.000000	1.000000
Sb 206.833 {463}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.000649	0.281114	0.000000	1.000000
Se 196.090 {472}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.000683	0.142401	0.000000	1.000000
Si 212.412 {459}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.007650	0.477119	0.000000	1.000000
Sn 189.989 {477}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.000245	0.419534	0.000000	1.000000
Sr 407.771 { 83}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.002307	17.162483	0.000000	1.000000
Ti 334.941 {101}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.002487	2.262276	0.000000	1.000000
Tl 190.856 {477}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.001135	0.319630	0.000000	1.000000
V 292.402 {115}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.000779	0.809325	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.001483	2.715607	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999954	0.000056	0.000365	0.001217	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999738	0.007996	0.009129	0.030432	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999936	0.000184	0.000744	0.002479	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999947	0.007132	0.000289	0.000962	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999913	0.013005	0.000066	0.000221	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999818	0.008523	0.003352	0.011172	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999897	0.005844	0.000047	0.000156	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999924	0.002662	0.000098	0.000327	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999738	0.001063	0.000245	0.000815	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999981	0.000459	0.000226	0.000755	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999075	0.012858	0.002612	0.008706	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999676	0.004558	0.031351	0.104505	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999800	0.000900	0.022136	0.073786	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999394	0.009109	0.000039	0.000129	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999985	0.000518	0.000131	0.000438	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999702	0.017163	0.008287	0.027623	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999902	0.001895	0.000159	0.000530	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999876	0.001170	0.000543	0.001811	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999978	0.000148	0.000866	0.002887	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999969	0.000090	0.001565	0.005216	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.991248	0.005118	0.000351	0.001169	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999884	0.000515	0.000304	0.001013	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999954	0.013235	0.000092	0.000306	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999682	0.004595	0.000095	0.000316	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999973	0.000189	0.000898	0.002992	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999943	0.000686	0.000222	0.000740	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999850	0.003789	0.000065	0.000218	OK	1.000000	0.000000	1	0

Sample Name: Blank Acquired: 3/22/2016 9:30:38 Type: Cal
Method: 60102007_042011(v18) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	.0008	-0.0008	.0000	-0.0007	.0023	-0.0013	-0.0006	-0.0002
Stddev	.0002	.0014	.0001	.002	.0003	.0004	.0003	.0001	.0001
%RSD	172.9	163.8	14.49	13580.	36.70	15.45	22.60	19.36	45.85
#1	-0.001	-0.002	-0.0007	-0.0027	-0.0008	.0020	-0.0010	-0.0007	-0.0011
#2	-0.003	.0004	-0.0008	.0016	-0.0009	.0022	-0.0012	-0.0005	-0.0003
#3	.0002	.0024	-0.0009	.0011	-0.0004	.0027	-0.0016	-0.0007	-0.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0083	.0008	-0.0022	-0.0004	.0004	.0006	.0017	-0.0001	.0002
Stddev	.0000	.0002	.0001	.0003	.0001	.0001	.0026	.0001	.0004
%RSD	.4270	26.55	4.922	62.31	15.88	9.545	149.6	38.21	209.7
#1	.0082	.0006	-0.0023	-0.0005	.0004	.0006	.0044	-0.0001	-0.0002
#2	.0083	.0010	-0.0022	-0.0001	.0005	.0006	-0.0007	-0.0001	.0002
#3	.0083	.0009	-0.0021	-0.0007	.0003	.0007	.0015	-0.0002	.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0004	-0.0007	.0068	-0.0002	-0.0009	.0010	-0.0013	-0.0007	.0010
Stddev	.0001	.0001	.0001	.0001	.0009	.0001	.0002	.0001	.0000
%RSD	14.52	9.336	1.992	53.26	92.97	10.76	14.63	19.22	4.466
#1	.0004	-0.0006	.0068	.0003	-0.0008	.0010	-0.0013	-0.0006	.0011
#2	.0004	-0.0008	.0066	.0002	-0.0001	.0009	-0.0011	-0.0009	.0010
#3	.0005	-0.0007	.0069	.0001	-0.0018	.0011	-0.0015	-0.0007	.0010
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2626.4	5040.6	40720.	4406.3					
Stddev	3.2	13.5	100.	55.0					
%RSD	.12088	.26725	2.4596	1.2483					
#1	2624.2	5039.1	40714.	4351.2					
#2	2625.0	5027.9	40823.	4406.5					
#3	2630.0	5054.8	40623.	4461.2					

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Sample Name: LowStd Acquired: 3/22/2016 9:35:52 Type: Cal
Method: 60102007_042011(v18) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0361	2.269	.0933	4.230	6.017	2.852	2.441	1.293	.2786
Stddev	.0002	.004	.0002	.010	.030	.004	.001	.001	.0003
%RSD	.6907	.1537	.1662	.2335	.5027	.1345	.0483	.0436	.1038
#1	.0363	2.266	.0934	4.242	6.052	2.848	2.440	1.293	.2788
#2	.0358	2.273	.0934	4.224	5.999	2.854	2.442	1.292	.2788
#3	.0360	2.268	.0931	4.225	6.000	2.856	2.441	1.293	.2783
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4741	1.887	1.102	.2717	1.389	.5406	4.586	.8563	.4398
Stddev	.0006	.002	.003	.0020	.001	.0005	.016	.0013	.0016
%RSD	.1219	.0790	.2490	.7229	.0465	.0996	.3568	.1538	.3673
#1	.4745	1.887	1.105	.2699	1.389	.5401	4.601	.8551	.4402
#2	.4744	1.885	1.099	.2738	1.388	.5404	4.569	.8561	.4411
#3	.4735	1.887	1.103	.2715	1.390	.5412	4.588	.8577	.4380
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1373	.0641	.2075	.2089	9.034	1.173	.1540	.4068	1.251
Stddev	.0003	.0001	.0011	.0004	.041	.001	.0005	.0009	.003
%RSD	.2537	.2047	.5462	.1972	.4497	.1192	.2960	.2148	.2448
#1	.1375	.0640	.2070	.2085	9.063	1.172	.1534	.4075	1.251
#2	.1369	.0640	.2067	.2091	9.051	1.175	.1541	.4058	1.255
#3	.1375	.0642	.2088	.2092	8.987	1.173	.1543	.4071	1.248
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2400.9	4869.0	38998.	4290.8					
Stddev	2.7	3.8	49.	18.9					
%RSD	.11082	.07854	.12535	.44005					
#1	2398.7	4868.1	39018.	4312.1					
#2	2400.3	4873.2	38942.	4284.4					
#3	2403.9	4865.7	39034.	4276.0					

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7.2
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Sample Name: MidStd Acquired: 3/22/2016 9:39:06 Type: Cal
Method: 60102007_042011(v18) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1503	8.751	3.882	17.46	24.66	10.89	9.870	5.207	1.135
Stddev	.0004	.025	.0003	.06	.06	.02	.023	.009	.001
%RSD	.2566	.2887	.0661	.3277	.2263	.1516	.2287	.1761	.1061
#1	.1503	8.733	3.882	17.42	24.60	10.88	9.851	5.200	1.134
#2	.1507	8.780	3.884	17.52	24.68	10.89	9.864	5.204	1.134
#3	.1499	8.741	3.879	17.43	24.71	10.91	9.895	5.218	1.136
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.915	6.861	4.257	1.054	5.632	2.211	17.65	3.425	1.843
Stddev	.006	.015	.010	.001	.006	.007	.04	.004	.005
%RSD	.3184	.2169	.2416	.0985	.1026	.3068	.2542	.1051	.2792
#1	1.908	6.844	4.255	1.053	5.639	2.203	17.60	3.425	1.840
#2	1.920	6.871	4.268	1.054	5.631	2.214	17.66	3.421	1.840
#3	1.916	6.869	4.248	1.055	5.627	2.216	17.68	3.428	1.849
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.5661	.2649	.9840	.8442	37.15	4.856	6.396	1.678	5.062
Stddev	.0003	.0006	.0003	.0011	.13	.009	.0005	.004	.015
%RSD	.0449	.2148	.0320	.1361	.3419	.1842	.0764	.2571	.2899
#1	.5663	.2642	.9837	.8433	37.01	4.849	6.391	1.678	5.067
#2	.5662	.2653	.9843	.8439	37.20	4.866	6.398	1.683	5.045
#3	.5658	.2652	.9840	.8455	37.25	4.852	6.400	1.674	5.073
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2156.1	4625.9	36848.	4116.5					
Stddev	3.0	7.3	59.	16.6					
%RSD	.13915	.15719	.16101	.40368					
#1	2159.5	4634.2	36825.	4126.6					
#2	2154.2	4622.8	36803.	4097.3					
#3	2154.5	4620.6	36915.	4125.6					

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Sample Name: HighStd Acquired: 3/22/2016 9:42:40 Type: Cal
Method: 60102007_042011(v18) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2882	17.10	.7730	34.59	48.34	21.19	19.10	10.12	2.173
Stddev	.0007	.03	.0007	.15	.13	.08	.01	.01	.010
%RSD	.2515	.1685	.0918	.4427	.2659	.3805	.0764	.0986	.4694
#1	.2883	17.13	.7733	34.75	48.48	21.26	19.11	10.13	2.161
#2	.2889	17.08	.7721	34.45	48.24	21.20	19.09	10.11	2.177
#3	.2875	17.08	.7734	34.58	48.29	21.10	19.08	10.13	2.181
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.756	13.77	8.332	2.058	10.62	4.340	34.61	6.621	3.707
Stddev	.021	.04	.026	.010	.02	.005	.12	.006	.007
%RSD	.5697	.2617	.3092	.5032	.2199	.1260	.3332	.0973	.1878
#1	3.781	13.81	8.343	2.065	10.64	4.342	34.73	6.628	3.714
#2	3.748	13.77	8.303	2.064	10.64	4.334	34.50	6.619	3.707
#3	3.741	13.74	8.351	2.046	10.59	4.344	34.61	6.616	3.700
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.122	.5259	1.378	1.626	72.30	9.336	1.269	3.271	9.760
Stddev	.002	.0017	.00						

Sample Name: HSTD Acquired: 3/22/2016 9:46:45 Type: QC
 Method: 60102007_042011(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4924	78.14	3.987	3.973	3.921	77.68	3.925	3.939	3.893
Stddev	.0008	.16	.010	.016	.014	.10	.011	.011	.013
%RSD	.1580	.2075	.2578	.3910	.3530	.1276	.2846	.2840	.3413

#1	.4933	78.23	3.983	3.973	3.933	77.77	3.920	3.932	3.908
#2	.4919	77.95	3.978	3.957	3.906	77.57	3.918	3.934	3.891
#3	.4919	78.24	3.998	3.989	3.924	77.70	3.938	3.952	3.881

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.944	78.47	78.29	77.51	3.882	3.961	78.28	3.920	3.968
Stddev	.022	.15	.16	.30	.011	.012	.29	.011	.012
%RSD	.5610	.1855	.1987	.3812	.2739	.2908	.3742	.2810	.2988

#1	3.919	78.63	78.46	77.82	3.874	3.951	78.43	3.915	3.967
#2	3.949	78.34	78.16	77.47	3.894	3.957	77.94	3.913	3.956
#3	3.963	78.45	78.24	77.24	3.876	3.974	78.46	3.933	3.980

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.988	3.999	3.489	3.903	3.949	3.903	3.948	3.929	3.896
Stddev	.013	.012	.013	.012	.039	.012	.007	.017	.017
%RSD	.3141	.2926	.3771	.2987	.9781	.3036	.1893	.4381	.4422

#1	3.974	3.990	3.475	3.899	3.983	3.900	3.943	3.949	3.895
#2	3.993	3.995	3.490	3.895	3.957	3.915	3.945	3.924	3.879
#3	3.998	4.012	3.501	3.917	3.907	3.892	3.957	3.916	3.913

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 3/22/2016 9:46:45 Type: QC
 Method: 60102007_042011(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2018.2	4514.0	36803.	4171.9
Stddev	4.2	13.6	99.	10.4
%RSD	.20883	.30149	.26952	.24968

#1	2022.4	4525.2	36695.	4165.1
#2	2018.1	4517.9	36821.	4166.8
#3	2014.0	4498.8	36891.	4183.9

7.2
7

Sample Name: ICV Acquired: 3/22/2016 9:52:45 Type: QC
 Method: 60102007_042011(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2461	41.10	1.995	2.066	2.027	42.36	2.022	2.027	2.001
Stddev	.0003	.07	.003	.007	.006	.05	.001	.001	.004
%RSD	.1361	.1713	.1687	.3366	.3226	.1214	.0694	.0606	.2063

#1	.2464	41.04	1.997	2.066	2.027	42.32	2.021	2.027	1.997
#2	.2457	41.07	1.991	2.059	2.021	42.34	2.023	2.026	2.001
#3	.2461	41.18	1.997	2.073	2.034	42.42	2.023	2.028	2.005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.979	41.45	42.10	41.97	2.075	1.907	42.53	2.038	1.994
Stddev	.003	.09	.08	.11	.003	.002	.08	.002	.005
%RSD	.1332	.2225	.2012	.2643	.1525	.0909	.1853	.0755	.2629

#1	1.976	41.43	42.17	42.10	2.071	1.908	42.53	2.036	1.990
#2	1.981	41.38	42.00	41.93	2.077	1.905	42.45	2.038	1.993
#3	1.980	41.56	42.12	41.88	2.076	1.908	42.61	2.039	2.000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.010	2.039	1.318	2.029	1.929	1.932	2.060	1.883	2.038
Stddev	.006	.003	.0007	.003	.004	.004	.001	.004	.006
%RSD	.3256	.1244	.5405	.1642	.2105	.2029	.0327	.2210	.3040

#1	2.017	2.041	.1326	2.027	1.928	1.928	2.060	1.878	2.031
#2	2.007	2.039	.1313	2.028	1.926	1.934	2.060	1.885	2.042
#3	2.005	2.036	.1315	2.033	1.934	1.935	2.059	1.885	2.041

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 3/22/2016 9:52:45 Type: QC
 Method: 60102007_042011(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2159.8	4635.3	37246.	4220.9
Stddev	4.4	.9	106.	12.6
%RSD	.20386	.01917	.28431	.29858

#1	2164.8	4636.3	37296.	4217.3
#2	2158.2	4634.6	37317.	4210.4
#3	2156.5	4635.1	37124.	4234.9

Sample Name: ICB Acquired: 3/22/2016 9:59:33 Type: QC
 Method: 60102007_042011(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0008	-0.0002	-0.0001	.0001	.0004	.0001	-0.0001	.0001
Stddev	.0001	.0026	.0005	.0003	.0000	.0020	.0000	.0001	.0003
%RSD	169.5	318.3	206.5	230.2	34.43	446.2	64.25	164.5	276.6
#1	.0001	-.0037	.0002	-.0003	.0001	-.0017	.0001	.0001	-.0002
#2	.0002	-.0002	-.0001	-.0002	.0001	.0009	.0001	-.0001	.0000
#3	-.0001	.0014	-.0008	.0002	.0001	.0022	.0000	-.0001	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0115	.0092	-.0009	.0000	F-.0018	.0040	.0000	.0006
Stddev	.0002	.0009	.0050	.0208	.0000	.0003	.0009	.0000	.0004
%RSD	81.51	8.199	54.25	2318.	137.3	18.94	22.88	96.50	65.47
#1	.0003	.0125	.0127	.0073	.0000	.0021	.0030	.0001	.0009
#2	.0000	.0106	.0035	-.0245	.0000	.0017	.0047	.0000	.0002
#3	.0004	.0114	.0115	.0146	.0000	.0014	.0044	.0000	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0005	.0004	.0002	.0000	.0012	.0013	.0000	.0000
Stddev	.0004	.0014	.0003	.0001	.0000	.0000	.0005	.000	.000
%RSD	184.3	269.0	63.67	55.69	40.06	4.022	41.91	1117.	371.6
#1	-.0002	.0005	.0002	.0001	.0000	.0012	.0014	.0002	.0000
#2	.0006	.0019	.0008	.0003	.0001	.0012	.0017	-.0002	.0000
#3	.0002	-.0009	.0003	.0002	.0001	.0011	.0007	.0000	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 3/22/2016 9:59:33 Type: QC
 Method: 60102007_042011(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2558.9	4932.5	39569.	4344.0
Stddev	.8	3.4	90.	40.4
%RSD	.03192	.06891	.22690	.93044
#1	2559.2	4929.2	39465.	4307.1
#2	2559.5	4932.3	39622.	4337.9
#3	2558.0	4936.0	39619.	4387.2

Sample Name: CRIA Acquired: 3/22/2016 10:03:17 Type: QC
 Method: 60102007_042011(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0090	.1983	.0098	.2012	.0052	1.031	.0053	.0524	.0107
Stddev	.0003	.0052	.0006	.0008	.0000	.009	.0000	.0001	.0001
%RSD	2.801	2.600	6.207	.3887	.7568	.8711	.4249	.2417	1.169
#1	.0087	.1957	.0094	.2018	.0051	1.031	.0053	.0523	.0106
#2	.0092	.1950	.0105	.2015	.0052	1.022	.0053	.0525	.0106
#3	.0090	.2043	.0095	.2003	.0052	1.040	.0053	.0525	.0108

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0259	.3115	10.08	5.058	.0162	.0499	10.14	.0426	.0050
Stddev	.0001	.0018	.07	.018	.0001	.0002	.01	.0002	.0006
%RSD	.3517	.5666	.7329	.3568	.7142	.4206	.1078	.4667	11.28
#1	.0259	.3098	10.10	5.037	.0163	.0500	10.14	.0428	.0047
#2	.0259	.3134	10.00	5.067	.0161	.0496	10.15	.0427	.0048
#3	.0258	.3114	10.15	5.069	.0161	.0499	10.13	.0424	.0057

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0048	.0110	.0020	.0531	.0102	.0107	.0107	.0486	.0215
Stddev	.0006	.0008	.0003	.0002	.0001	.0001	.0007	.0003	.0001
%RSD	12.54	7.522	13.72	.4192	.6398	.5400	6.533	.6337	.3920
#1	.0042	.0101	.0018	.0528	.0102	.0107	.0115	.0485	.0215
#2	.0053	.0111	.0024	.0532	.0102	.0108	.0103	.0490	.0216
#3	.0051	.0117	.0019	.0532	.0101	.0108	.0102	.0484	.0214

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 3/22/2016 10:03:17 Type: QC
 Method: 60102007_042011(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2522.6	4990.7	39444.	4369.3
Stddev	4.9	5.4	182.	18.4
%RSD	.19341	.10916	.46248	.42046
#1	2522.2	4989.8	39535.	4349.2
#2	2517.8	4985.7	39234.	4373.6
#3	2527.6	4996.5	39564.	4385.2

Sample Name: ICSEA Acquired: 3/22/2016 10:06:52 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	501.6	-0.0006	-0.0003	.0001	491.1	.0000	-0.0005	.0000
Stddev	.0005	2.2	.0017	.0003	.0000	4.3	.0001	.0001	.000
%RSD	450.3	.4288	305.5	94.29	37.58	.8757	458.7	20.81	604.5
#1	-.0004	499.2	.0008	.0000	.0001	486.4	.0001	-.0006	.0002
#2	-.0006	503.3	.0000	-.0004	.0001	492.0	.0000	-.0004	-.0004
#3	.0001	502.2	-.0025	-.0005	.0001	494.9	-.0001	-.0004	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	188.1	.1418	528.8	.0003	-.0005	.1753	.0006	-.0002
Stddev	.0001	.3	.0242	1.8	.0000	.0001	.0054	.0001	.0022
%RSD	38.90	.1416	17.05	.3332	12.16	23.46	3.069	24.50	1117.
#1	.0005	188.2	.1697	526.8	.0003	-.0006	.1800	.0004	.0015
#2	.0003	188.4	.1262	529.4	.0004	-.0006	.1694	.0006	-.0027
#3	.0003	187.8	.1296	530.1	.0004	-.0004	.1765	.0007	.0005

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	.0000	.0112	F .0013	.0002	.0007	.0010	-.0003	-.0033
Stddev	.0035	.0004	.0003	.0006	.0001	.0001	.0009	.0001	.0000
%RSD	200.7	1350.	3.002	47.11	37.52	10.90	92.59	48.95	1.020
#1	.0020	.0005	.0112	.0010	.0003	.0006	-.0001	-.0002	-.0033
#2	-.0019	-.0002	.0108	.0020	.0001	.0006	.0016	-.0002	-.0033
#3	.0051	-.0001	.0115	.0009	.0002	.0007	.0015	-.0004	-.0032

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSEA Acquired: 3/22/2016 10:06:52 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1923.9	4301.2	33164.	3880.0
Stddev	5.2	3.4	74.	23.4
%RSD	.27057	.07913	.22416	.60358
#1	1923.9	4298.9	33170.	3903.2
#2	1929.1	4305.1	33087.	3880.5
#3	1918.7	4299.6	33235.	3856.4

7.2
7

Sample Name: ICSAB Acquired: 3/22/2016 10:12:44 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.057	504.6	1.093	.5134	.5043	485.9	.9597	.4742	.5108
Stddev	.004	12.8	.001	.0168	.0165	14.0	.0015	.0005	.0042
%RSD	.3289	2.536	.0658	3.266	3.279	2.881	.1537	.0960	.8276
#1	1.056	489.9	1.093	.4941	.4853	469.8	.9614	.4747	.5137
#2	1.054	511.0	1.094	.5228	.5122	492.5	.9587	.4739	.5060
#3	1.061	513.0	1.092	.5234	.5154	495.4	.9590	.4739	.5127

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5434	187.9	.1154	522.2	.5107	.9412	.1693	.9521	.9470
Stddev	.0021	5.9	.0187	16.7	.0022	.0007	.0046	.0005	.0033
%RSD	.3789	3.149	16.24	3.199	.4230	.0755	2.711	.0527	.3496
#1	.5439	181.2	.1340	503.3	.5128	.9419	.1640	.9527	.9487
#2	.5412	190.3	.1156	528.2	.5085	.9405	.1719	.9519	.9492
#3	.5452	192.3	.0965	535.0	.5107	.9412	.1720	.9518	.9432

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.026	1.014	.0430	.9287	1.019	.9646	.9405	.4706	.9582
Stddev	.003	.004	.0009	.0015	.032	.0047	.0067	.0020	.0021
%RSD	.2443	.4189	2.088	.1661	3.089	.4856	.7153	.4242	.2243
#1	1.029	1.011	.0439	.9283	.9833	.9688	.9441	.4725	.9601
#2	1.024	1.019	.0421	.9274	1.034	.9595	.9446	.4685	.9586
#3	1.027	1.013	.0431	.9304	1.041	.9656	.9327	.4707	.9559

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 3/22/2016 10:12:44 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1880.3	4238.3	33309.	3924.9
Stddev	3.8	5.9	170.	110.6
%RSD	.20077	.13818	.51114	2.8168
#1	1882.9	4241.2	33234.	4050.2
#2	1876.0	4242.1	33503.	3883.2
#3	1882.1	4231.5	33189.	3841.3

Sample Name: CCV Acquired: 3/22/2016 10:18:24 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2553	39.88	2.008	2.004	2.011	40.23	2.024	2.017	2.017
Stddev	.0006	.13	.007	.004	.012	.25	.007	.005	.007
%RSD	.2445	.3137	.3743	.1877	.5699	.6181	.3324	.2371	.3447
#1	.2559	39.93	2.007	2.003	2.008	40.22	2.024	2.017	2.019
#2	.2552	39.97	2.001	2.009	2.023	40.49	2.017	2.012	2.023
#3	.2546	39.74	2.016	2.002	2.000	39.99	2.030	2.021	2.009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.989	39.12	40.26	39.84	2.056	2.004	40.27	2.025	1.988
Stddev	.003	.15	.14	.24	.003	.005	.17	.008	.009
%RSD	.1687	.3780	.3429	.6118	.1660	.2347	.4210	.3912	.4609
#1	1.987	39.15	40.26	39.89	2.056	2.004	40.21	2.025	1.987
#2	1.993	39.25	40.40	40.06	2.060	1.999	40.46	2.017	1.979
#3	1.987	38.96	40.13	39.58	2.053	2.009	40.13	2.033	1.997

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.004	2.014	2.480	2.036	2.022	2.017	2.004	2.015	2.019
Stddev	.005	.004	.007	.006	.006	.004	.003	.005	.008
%RSD	.2317	.2124	.2804	.2838	.3001	.2195	.1577	.2580	.3860
#1	2.003	2.019	2.483	2.037	2.019	2.017	2.005	2.015	2.018
#2	2.000	2.014	2.472	2.030	2.028	2.021	2.001	2.021	2.012
#3	2.009	2.010	2.486	2.041	2.017	2.012	2.007	2.010	2.027

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/22/2016 10:18:24 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2163.4	4659.9	3727.2	4167.9
Stddev	3.5	7.0	130.	37.9
%RSD	.16181	.14978	.34775	.90868
#1	2164.2	4654.0	37190.	4142.5
#2	2166.5	4667.6	37204.	4149.7
#3	2159.6	4658.2	37421.	4211.4

Sample Name: CCB Acquired: 3/22/2016 10:23:32 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0080	.0005	.0001	.0002	.0053	.0002	.0000	.0001
Stddev	.000	.0033	.0005	.0003	.0001	.0013	.0000	.0000	.0002
%RSD	1854.	41.43	107.2	453.9	56.53	23.71	14.76	228.6	141.3
#1	.0000	.0118	-.0001	-.0003	.0002	.0045	.0001	.0000	.0004
#2	.0003	.0056	.0009	.0002	.0003	.0068	.0002	.0001	.0000
#3	-.0003	.0066	.0008	.0003	.0001	.0047	.0002	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0195	.0248	.0080	.0001	F.0014	.0083	.0001	.0000
Stddev	.0001	.0026	.0345	.0031	.0000	.0001	.0078	.0001	.000
%RSD	40.19	13.29	139.3	38.09	40.90	7.037	93.95	54.25	6464.
#1	.0002	.0165	.0549	.0046	.0001	.0015	.0086	.0001	.0001
#2	.0001	.0212	-.0128	.0090	.0002	.0014	.0004	.0002	-.0003
#3	.0001	.0208	.0322	.0105	.0001	.0013	.0160	.0000	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0018	-.0017	.0003	.0001	.0009	.0000	.0001	.0002
Stddev	.0006	.0002	.0003	.0002	.0000	.0000	.001	.0001	.0000
%RSD	966.5	12.56	17.89	54.12	28.79	5.496	2318.	109.1	13.64
#1	-.0008	.0018	-.0014	.0001	.0001	.0009	.0004	.0000	.0002
#2	.0003	.0016	-.0020	.0004	.0001	.0009	-.0008	.0002	.0002
#3	.0003	.0020	-.0017	.0004	.0002	.0008	.0004	.0001	.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/22/2016 10:23:32 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2599.4	5007.6	40344.	4348.8
Stddev	7.7	19.5	42.	12.1
%RSD	.29705	.38968	.10425	.27731
#1	2595.4	4990.2	40372.	4335.1
#2	2608.3	5028.7	40295.	4353.4
#3	2594.4	5003.9	40364.	4357.8

Sample Name: MP30148-MB1 Acquired: 3/22/2016 10:29:50 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0037	-0.015	.0001	.0000	.0104	.0000	-0.003	.0001
Stddev	.0002	.0035	.0005	.0002	.0001	.0012	.000	.0001	.0001
%RSD	140.2	94.39	33.60	235.0	324.1	11.30	1152.	21.37	92.95

#1	.0000	.0022	-.0009	-.0001	.0000	.0091	.0000	-.0002	.0001
#2	-.0004	.0011	-.0019	-.0002	.0001	.0109	.0000	-.0003	.0000
#3	-.0001	.0076	-.0017	.0002	.0000	.0113	.0000	-.0003	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0068	.0027	.0072	.0000	.0010	.0142	-0.001	-0.001
Stddev	.0001	.0034	.0063	.0082	.0000	.0001	.0013	.0001	.0003
%RSD	72.36	49.38	236.3	114.7	326.2	13.69	9.216	56.54	189.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0008	.0048	.0003	.0000	.0007	.0000	-0.001	.0003
Stddev	.000	.0009	.0002	.0003	.0001	.0000	.0011	.0002	.0000
%RSD	2280.	113.8	4.152	80.01	258.0	2.645	12360.	174.1	7.298

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30148-MB1 Acquired: 3/22/2016 10:29:50 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2599.5	5017.8	40536.	4264.4
Stddev	16.1	30.2	330.	25.2
%RSD	.61812	.60156	.81327	.59005

#1	2618.1	5048.2	40200.	4266.7
#2	2589.5	5017.5	40549.	4288.3
#3	2591.0	4987.8	40859.	4238.2

Sample Name: MP30148-B1 Acquired: 3/22/2016 10:34:22 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0492	29.10	2.114	2.179	.0561	27.19	.0547	.5408	.2211
Stddev	.0004	.13	.000	.012	.0003	.04	.0001	.0010	.0013
%RSD	.7687	.4407	.0133	.5280	.4941	.1648	.1865	.1833	.5890

#1	.0495	29.24	2.115	2.188	.0560	27.24	.0545	.5398	.2223
#2	.0488	29.07	2.114	2.183	.0564	27.16	.0547	.5406	.2197
#3	.0493	28.99	2.114	2.166	.0558	27.17	.0547	.5418	.2212

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2763	28.23	27.09	27.23	.5675	.5134	27.26	.5514	.5187
Stddev	.0007	.05	.10	.12	.0022	.0014	.14	.0008	.0021
%RSD	.2684	.1799	.3739	.4441	.3911	.2807	.5200	.1482	.4039

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5360	2.123	.0195	.5325	.5180	.5272	2.088	.5181	.5460
Stddev	.0012	.008	.0006	.0006	.0019	.0014	.002	.0026	.0010
%RSD	.2277	.3850	3.223	.1114	.3657	.2679	.0919	.4967	.1790

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30148-B1 Acquired: 3/22/2016 10:34:22 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2276.2	4719.4	37587.	4148.6
Stddev	2.0	4.4	175.	16.2
%RSD	.08834	.09224	.46593	.39014

#1	2278.3	4718.4	37466.	4130.6
#2	2276.2	4724.1	37788.	4161.8
#3	2274.2	4715.6	37506.	4153.4

Sample Name: FA32326-1 Acquired: 3/22/2016 10:38:33 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	1.169	.0000	.0899	.0000	95.16	.0001	.0000	.0017
Stddev	.0002	.011	.0001	.0006	.0000	.20	.0000	.0001	.0001
%RSD	170.8	.9315	636.7	.7148	103.0	.2094	62.99	159.7	8.250
#1	-.0002	1.156	-.0001	.0904	.0000	94.94	.0000	.0001	.0016
#2	.0001	1.174	.0000	.0892	.0000	95.21	.0001	.0001	.0019
#3	-.0002	1.176	.0001	.0902	.0001	95.33	.0001	.0000	.0017
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0122	.7725	1.887	3.382	.0276	.0092	11.55	.0015	.0039
Stddev	.0003	.0039	.023	.058	.0001	.0000	.02	.0001	.0005
%RSD	2.765	.5058	1.200	1.728	.4910	.3502	.1334	5.042	13.78
#1	.0119	.7745	1.880	3.334	.0276	.0092	11.53	.0014	.0045
#2	.0120	.7751	1.868	3.365	.0277	.0091	11.56	.0015	.0037
#3	.0126	.7680	1.912	3.447	.0274	.0092	11.56	.0016	.0035
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0003	.0063	4.543	.0008	.5050	.0516	.0008	.0040	.1111
Stddev	.0006	.0005	.008	.0004	.0014	.0044	.0007	.0001	.0005
%RSD	232.3	8.283	.1667	56.42	.2674	8.600	84.72	2.143	40.83
#1	-.0003	.0063	4.539	.0011	.5043	.0550	.0012	.0041	.1110
#2	.0009	.0069	4.552	.0009	.5041	.0466	.0000	.0039	.1108
#3	.0002	.0058	4.539	.0003	.5065	.0532	.0012	.0039	.1117
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2335.7	4661.7	37695.	4195.5					
Stddev	6.7	2.0	96.	5.6					
%RSD	.28748	.04193	.25532	.13241					
#1	2341.1	4661.0	37612.	4201.8					
#2	2337.7	4660.2	37672.	4193.2					
#3	2328.2	4663.9	37800.	4191.4					

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Sample Name: MP30148-D1 Acquired: 3/22/2016 10:42:58 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	1.147	.0000	.0884	.0000	93.06	.0001	.0000	.0020
Stddev	.0003	.015	.0002	.0009	.0000	1.26	.0000	.000	.0001
%RSD	165.6	1.334	528.5	.9911	36.45	1.354	27.52	247.7	6.011
#1	-.0005	1.165	.0000	.0890	.0000	94.16	.0001	.0000	.0018
#2	-.0002	1.136	-.0002	.0874	.0001	91.69	.0001	.0000	.0021
#3	.0001	1.142	.0003	.0888	.0001	93.35	.0001	-.0001	.0020
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0118	.7429	1.868	3.290	.0271	.0087	11.32	.0015	.0034
Stddev	.0001	.0092	.000	.059	.0002	.0001	.12	.0000	.0003
%RSD	1.174	1.240	.0125	1.791	.7479	1.140	1.077	2.568	8.846
#1	.0119	.7481	1.868	3.346	.0269	.0087	11.43	.0015	.0033
#2	.0119	.7322	1.868	3.229	.0269	.0087	11.19	.0016	.0038
#3	.0116	.7483	1.867	3.295	.0273	.0089	11.33	.0015	.0033
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0002	.0055	4.441	.0005	.4932	.0490	-.0001	.0037	.1079
Stddev	.0010	.0019	.012	.0001	.0059	.0014	.0006	.0001	.0006
%RSD	461.0	34.90	.2586	26.35	1.202	2.836	534.2	2.325	5435
#1	-.0009	.0062	4.454	.0004	.4986	.0492	.0001	.0036	.1076
#2	.0007	.0033	4.437	.0006	.4869	.0476	-.0008	.0037	.1076
#3	.0008	.0069	4.432	.0004	.4940	.0504	.0003	.0037	.1086
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2365.5	4733.5	38403.	4286.2					
Stddev	5.0	3.6	166.	62.4					
%RSD	.21198	.07596	.43239	1.4569					
#1	2371.3	4729.6	38532.	4228.5					
#2	2362.5	4736.8	38462.	4352.5					
#3	2362.7	4734.0	38216.	4277.6					

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7.2
7

Sample Name: MP30148-SD1 Acquired: 3/22/2016 10:47:24 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	1.155	.0017	.0899	.0002	95.40	.0001	.0000	.0021
Stddev	.0008	.047	.0016	.0004	.0004	.57	.0003	.0003	.0012
%RSD	706400.	4.042	91.43	.3900	193.6	6.027	240.7	822.9	57.54
#1	-.0002	1.107	.0012	.0903	.0000	95.63	-.0002	.0003	.0035
#2	.0009	1.201	.0005	.0899	.0006	94.74	.0002	.0000	.0019
#3	-.0007	1.156	.0035	.0896	-.0001	95.82	.0005	-.0002	.0011
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0112	.7464	1.801	3.440	.0275	.0082	11.58	.0011	.0048
Stddev	.0001	.0295	.097	.074	.0003	.0003	.07	.0004	.0037
%RSD	1.315	3.950	5.394	2.165	1.126	3.892	6.258	38.98	76.74
#1	.0112	.7403	1.794	3.483	.0278	.0079	11.66	.0009	.0046
#2	.0114	.7204	1.707	3.354	.0273	.0082	11.52	.0008	.0012
#3	.0111	.7784	1.901	3.483	.0274	.0085	11.56	.0016	.0087
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-.0014	.0055	4.527	-.0002	.5060	.0536	.0041	.0031	.1522
Stddev	.0030	.0041	.038	.0015	.0015	.0101	.0036	.0008	.0005
%RSD	215.5	73.59	.8349	653.4	.2877	18.86	89.21	27.05	.3124
#1	-.0031	.0017	4.495	-.0014	.5073	.0469	.0071	.0035	.1525
#2	.0021	.0098	4.569	.0015	.5062	.0652	.0051	.0021	.1516
#3	-.0032	.0050	4.519	-.0009	.5044	.0486	.0000	.0037	.1524
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2525.9	4934.1	39770.	4348.8					
Stddev	2.9	2.8	117.	53.1					
%RSD	.11623	.05633	.29337	1.2206					
#1	2525.1	4931.8	39698.	4334.0					
#2	2523.5	4933.3	39904.	4407.6					
#3	2529.2	4937.2	39707.	4304.6					

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Sample Name: MP30148-PS1 Acquired: 3/22/2016 10:51:52 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0479	3.707	.1016	.3469	.0519	97.41	.0504	.0503	.0545
Stddev	.0003	.018	.0008	.0005	.0004	.42	.0003	.0003	.0006
%RSD	.6832	4.884	8.343	1.575	.6756	4.271	.5980	.5609	1.154
#1	.0476	3.725	.1024	.3469	.0521	97.66	.0508	.0506	.0543
#2	.0482	3.705	.1017	.3475	.0521	97.65	.0504	.0501	.0553
#3	.0480	3.689	.1007	.3464	.0515	96.93	.0502	.0501	.0541
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1164	3.824	11.91	8.337	.0797	.1062	21.34	.1018	.0503
Stddev	.0005	.015	.02	.066	.0009	.0004	.04	.0007	.0008

Sample Name: MP30148-S1 Acquired: 3/22/2016 10:56:10 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0483	29.66	2.063	2.227	.0551	117.5	.0520	.5142	2.117
Stddev	.0005	.05	.006	.003	.0002	.3	.0002	.0015	.0012
%RSD	1.068	.1787	.2994	.1300	.4275	.2141	.3874	.2862	.5489
#1	.0487	29.62	2.056	2.224	.0553	117.8	.0518	.5127	2.127
#2	.0485	29.72	2.067	2.229	.0551	117.6	.0520	.5143	2.104
#3	.0477	29.64	2.066	2.229	.0548	117.3	.0522	.5156	2.121
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.2807	28.04	2.847	29.52	.5682	.5024	37.91	.5234	.5061
Stddev	.0014	.09	.06	.10	.0004	.0018	.01	.0009	.0013
%RSD	.5095	.3327	.2079	.3359	.0635	.3579	.0368	.1791	.2533
#1	.2823	28.06	2.843	29.46	.5680	.5003	37.89	.5223	.5047
#2	.2804	28.12	2.853	29.64	.5679	.5033	37.91	.5239	.5064
#3	.2795	27.94	2.844	29.48	.5686	.5035	37.92	.5240	.5072
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5184	2.074	4.218	.5007	.9887	.5555	2.012	.5022	.6153
Stddev	.0024	.006	.027	.0010	.0030	.0010	.003	.0010	.0016
%RSD	.4568	.3004	.6454	.2024	.3067	.1836	.1639	.1904	.2664
#1	.5160	2.074	4.196	.5008	.9853	.5547	2.012	.5030	.6138
#2	.5185	2.067	4.209	.4996	.9900	.5567	2.008	.5011	.6150
#3	.5207	2.079	4.248	.5016	.9909	.5552	2.015	.5025	.6170
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2255.5	4813.4	38248.	4234.1					
Stddev	1.6	4.1	125.	16.3					
%RSD	.07252	.08450	.32557	.38484					
#1	2254.4	4817.3	38163.	4217.6					
#2	2257.4	4813.6	38391.	4234.6					
#3	2254.7	4809.2	38190.	4250.2					

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Sample Name: MP30148-S2 Acquired: 3/22/2016 11:00:21 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0474	29.05	2.030	2.196	.0540	114.9	.0511	.5047	2.068
Stddev	.0004	.06	.004	.004	.0001	.6	.0002	.0017	.0008
%RSD	.8061	.2035	.1997	.1785	.2676	.4797	.4860	.3277	.3726
#1	.0478	29.07	2.033	2.200	.0538	114.3	.0512	.5061	2.064
#2	.0471	28.98	2.025	2.192	.0540	114.9	.0508	.5029	2.064
#3	.0473	29.09	2.030	2.196	.0541	115.4	.0513	.5052	2.077
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.2741	27.47	2.787	28.85	.5549	.4920	37.20	.5132	.4949
Stddev	.0005	.06	.18	.07	.0018	.0011	.08	.0015	.0035
%RSD	.1680	.2004	.6468	.2560	.3310	.2261	.2107	.3002	.7019
#1	.2743	27.42	2.781	28.81	.5531	.4933	37.15	.5137	.4986
#2	.2736	27.47	2.774	28.80	.5568	.4913	37.15	.5115	.4916
#3	.2744	27.53	2.808	28.93	.5548	.4914	37.29	.5144	.4946
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5084	2.037	4.114	.4907	.9682	.5391	1.964	.4913	.6005
Stddev	.0034	.011	.009	.0018	.0030	.0012	.007	.0000	.0012
%RSD	.6767	.5233	.2173	.3648	.3113	.2294	.3620	.0098	.2079
#1	.5113	2.049	4.108	.4918	.9684	.5379	1.972	.4914	.6012
#2	.5046	2.034	4.109	.4886	.9651	.5389	1.959	.4913	.5991
#3	.5093	2.028	4.124	.4917	.9711	.5404	1.962	.4913	.6013
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2272.0	4829.8	38655.	4271.3					
Stddev	8.5	9.5	48.	24.1					
%RSD	.37370	.19672	.12518	.56456					
#1	2262.2	4818.8	38710.	4296.7					
#2	2277.4	4834.8	38617.	4268.6					
#3	2276.4	4835.7	38639.	4248.7					

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7.2
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Sample Name: FA32186-10 Acquired: 3/22/2016 11:04:31 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0003	.1595	.0214	.0170	.0001	33.60	.0000	.0008	.0014
Stddev	.0001	.0043	.0005	.0002	.0000	.27	.000	.0000	.0001
%RSD	36.72	2.722	2.348	1.077	28.01	.8103	1092.	3.173	4.114
#1	-.0003	.1637	.0210	.0172	.0001	33.92	.0000	.0008	.0013
#2	-.0002	.1599	.0219	.0168	.0001	33.46	-.0001	.0007	.0014
#3	-.0003	.1550	.0213	.0170	.0001	33.43	.0000	.0008	.0014
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.0013	1.765	.6827	11.80	.1298	.0008	22.35	.0052	.0012
Stddev	.0003	.014	.0109	.11	.0004	.0001	.07	.0000	.0006
%RSD	20.87	.8130	1.589	.9466	.3225	7.402	.2982	.7669	48.77
#1	.0016	1.781	.6846	11.93	.1293	.0009	22.42	.0051	.0017
#2	.0013	1.759	.6925	11.77	.1301	.0008	22.33	.0052	.0015
#3	.0011	1.754	.6710	11.72	.1300	.0007	22.30	.0052	.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0004	.0034	4.275	.0002	.0621	.0210	.0007	.0052	.0081
Stddev	.0006	.0005	.019	.0002	.0001	.0001	.0006	.0001	.0000
%RSD	143.9	15.68	4544	87.77	.2095	.6813	83.52	2.318	.4792
#1	.0007	.0029	4.297	.0004	.0622	.0209	.0014	.0051	.0081
#2	.0009	.0035	4.269	.0001	.0622	.0212	.0004	.0053	.0081
#3	-.0003	.0039	4.260	.0001	.0620	.0210	.0003	.0052	.0082
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2455.5	4949.9	39775.	4375.2					
Stddev	2.7	23.1	64.	48.6					
%RSD	.10807	.46707	.16055	1.1107					
#1	2452.7	4923.4	39746.	4319.2					
#2	2455.8	4960.8	39848.	4400.3					
#3	2458.0	4965.6	39731.	4406.0					

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Sample Name: FA32352-7 Acquired: 3/22/2016 11:08:59 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0003	.1387	-.0012	.0314	.0000	36.54	.0000	.0000	.0005
Stddev	.0003	.0045	.0004	.0004	.0000	.09	.000	.000	.0001
%RSD	97.75	3.266	36.17	1.419	191.2	2591	83.63	199.7	27.96
#1	-.0003	.1414	-.0007	.0317	.0000	36.64	-.0001	.0000	.0006
#2	-.0005	.1335	-.0015	.0316	.0000	36.55	.0000	-.0001	.0006
#3	.0000	.1413	-.0012	.0309	.0000	36.45	.0000	.0000	.0004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.0015	.7363	5.106	4.894	.1352	.0014	9.440	.0007	.0061
Stddev	.0001	.0066	.024	.020	.0007	.0002	.044	.0001	.0002
%RSD	5.275	.8941	4.678	4.099	.5094	11.57	4.716	14.90	3.368
#1	.0014	.7406	5.091	4.916	.1345	.0015	9.462	.0009	.0063
#2	.0016	.7287	5.133	4.892	.1359	.0016	9.469	.0007	.0059
#3	.0015	.7395	5.092	4.876					

Sample Name: CCV Acquired: 3/22/2016 11:13:28 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2470	38.94	1.941	1.939	1.969	39.46	1.968	1.955	1.974
Stddev	.0010	.05	.001	.002	.005	.13	.005	.005	.007
%RSD	.3887	.1391	.0577	.1178	.2337	.3260	.2743	.2526	.3512
#1	.2466	38.92	1.940	1.940	1.964	39.32	1.962	1.949	1.969
#2	.2480	39.01	1.940	1.937	1.972	39.57	1.968	1.956	1.982
#3	.2462	38.90	1.942	1.941	1.971	39.48	1.973	1.958	1.972

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.932	38.29	39.38	39.41	2.006	1.942	39.33	1.969	1.945
Stddev	.006	.06	.14	.22	.002	.004	.07	.004	.009
%RSD	.3054	.1459	.3630	.5569	.1072	.1872	.1874	.2276	.4559
#1	1.925	38.23	39.23	39.21	2.005	1.938	39.25	1.964	1.935
#2	1.937	38.31	39.37	39.65	2.009	1.943	39.40	1.970	1.947
#3	1.933	38.33	39.52	39.38	2.005	1.945	39.34	1.973	1.952

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.933	1.935	2.393	1.980	1.972	1.979	1.954	1.969	1.982
Stddev	.003	.006	.005	.004	.008	.008	.006	.005	.007
%RSD	.1589	.3297	.1942	.2152	.3856	.4128	.3333	.2427	.3562
#1	1.930	1.929	2.389	1.975	1.965	1.970	1.948	1.963	1.974
#2	1.932	1.934	2.392	1.982	1.972	1.986	1.954	1.972	1.982
#3	1.936	1.942	2.398	1.983	1.980	1.981	1.961	1.970	1.988

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/22/2016 11:13:28 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2215.0	4792.2	38181.	4205.3
Stddev	5.4	7.7	162.	15.6
%RSD	.24263	.15990	.42545	.37099
#1	2221.1	4801.0	38236.	4221.6
#2	2210.9	4787.4	37999.	4190.6
#3	2212.9	4788.2	38309.	4203.6

Sample Name: CCB Acquired: 3/22/2016 11:17:39 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	-0.0003	.0003	.0002	.0002	.0027	.0001	.0001	.0002
Stddev	.0001	.0014	.0008	.0001	.0000	.0008	.0000	.0001	.0001
%RSD	132.6	404.9	227.2	41.79	13.65	28.14	24.25	122.3	21.00
#1	.0000	-.0016	.0007	.0001	.0001	.0023	.0001	.0000	.0003
#2	-.0002	.0012	.0009	.0003	.0002	.0022	.0001	.0000	.0002
#3	-.0001	-.0006	-.0005	.0003	.0002	.0036	.0001	.0002	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	.0180	-0.0160	.0154	.0001	F .0016	.0082	.0002	.0001
Stddev	.0001	.0026	.0376	.0129	.0000	.0003	.0046	.0002	.0001
%RSD	33.65	14.35	236.0	83.82	16.29	18.92	56.61	84.32	87.22
#1	-.0004	.0209	.0243	.0304	.0002	.0020	.0113	.0002	.0002
#2	-.0002	.0169	-.0219	.0075	.0001	.0015	.0103	.0000	.0001
#3	-.0004	.0161	-.0503	.0085	.0001	.0014	.0029	.0004	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0018	-0.0019	.0001	.0002	.0016	.0011	.0001	.0002
Stddev	.0009	.0009	.0002	.0001	.0001	.0002	.0002	.0002	.0000
%RSD	212.6	52.67	9.044	65.90	29.61	11.40	18.26	208.8	12.67
#1	.0015	.0008	-.0017	.0001	.0002	.0018	.0012	-.0001	.0002
#2	-.0003	.0020	-.0019	.0001	.0001	.0015	.0011	.0000	.0002
#3	.0002	.0026	-.0020	.0002	.0001	.0014	.0009	.0003	.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/22/2016 11:17:39 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2680.2	5195.4	41541.	4399.5
Stddev	8.4	17.4	110.	22.6
%RSD	.31242	.33556	.26446	.51456
#1	2689.4	5179.5	41540.	4377.0
#2	2678.4	5192.6	41432.	4422.3
#3	2673.0	5214.0	41651.	4399.2

Sample Name: FA32352-15 Acquired: 3/22/2016 11:22:12 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.265	-0.007	0.182	0.000	14.60	0.000	-0.002	0.003
Stddev	0.002	0.018	0.004	0.002	0.001	0.02	0.000	0.000	0.001
%RSD	139.3	6.734	55.97	1.311	103.1	1.205	165.2	23.92	31.86
#1	-0.001	0.259	-0.003	0.185	0.000	14.62	-0.001	-0.002	0.004
#2	-0.003	0.250	-0.006	0.180	-0.001	14.58	0.000	-0.001	0.003
#3	0.001	0.285	-0.011	0.182	0.001	14.59	0.000	-0.002	0.002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	0.001	0.916	2.315	2.536	0.042	0.013	2.905	0.000	0.016
Stddev	0.001	0.038	0.12	0.22	0.001	0.002	0.07	0.000	0.001
%RSD	78.50	4.111	5.178	8.525	1.359	11.92	2.588	24.93	5.974
#1	0.002	0.942	2.325	2.561	0.042	0.015	2.897	0.000	0.016
#2	0.002	0.873	2.302	2.519	0.041	0.011	2.907	0.000	0.015
#3	0.000	0.933	2.319	2.529	0.042	0.013	2.912	0.001	0.016
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.008	0.025	7.364	0.001	0.162	0.013	0.003	0.007	0.060
Stddev	0.005	0.016	0.045	0.001	0.001	0.001	0.009	0.001	0.001
%RSD	61.21	66.07	6.091	113.3	3.810	4.188	310.7	16.52	8.797
#1	0.013	0.044	7.415	0.000	0.163	0.013	-0.007	0.009	0.060
#2	0.004	0.013	7.341	0.002	0.162	0.013	0.011	0.007	0.061
#3	0.006	0.018	7.335	0.001	0.162	0.012	0.004	0.007	0.060
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2620.0	5135.9	4080.8	4408.5					
Stddev	18.7	29.6	83.0	4.4					
%RSD	0.71545	0.57650	2.0363	0.10042					
#1	2598.9	5102.6	4073.0	4407.4					
#2	2626.5	5146.0	4080.0	4413.4					
#3	2634.6	5159.1	4089.5	4404.8					

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Sample Name: FA32352-16 Acquired: 3/22/2016 11:26:43 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	0.222	-0.009	0.150	0.000	16.94	-0.001	-0.001	0.001
Stddev	0.002	0.009	0.006	0.004	0.000	0.03	0.000	0.001	0.001
%RSD	66.88	40.44	63.47	2.453	111.2	1.843	55.80	44.19	100.4
#1	-0.002	0.127	-0.005	0.151	0.000	16.97	0.000	-0.001	0.001
#2	-0.002	0.234	-0.015	0.152	0.000	16.93	-0.001	-0.001	0.000
#3	-0.005	0.305	-0.006	0.145	0.000	16.91	-0.001	-0.002	0.002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	0.001	0.982	3.874	3.176	0.029	0.008	6.312	-0.001	0.130
Stddev	0.002	0.036	0.23	0.28	0.002	0.001	0.44	0.001	0.002
%RSD	178.7	3.621	5.883	8.919	7.570	10.06	7.030	63.16	1.418
#1	0.003	0.987	3.875	3.156	0.027	0.007	6.363	-0.001	0.132
#2	0.001	0.923	3.896	3.164	0.028	0.007	6.281	-0.001	0.130
#3	-0.001	0.957	3.851	3.209	0.028	0.009	6.293	-0.002	0.129
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.002	0.028	6.813	0.001	0.037	0.009	0.003	0.006	0.067
Stddev	0.005	0.006	0.028	0.001	0.003	0.000	0.005	0.001	0.000
%RSD	284.1	22.14	4.084	107.3	7.374	4.444	147.1	17.36	3.156
#1	-0.007	0.028	6.845	0.000	0.0358	0.010	0.008	0.005	0.067
#2	-0.002	0.022	6.793	0.002	0.0360	0.009	-0.001	0.007	0.067
#3	0.004	0.034	6.803	0.002	0.0355	0.009	0.002	0.006	0.067
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2543.6	4981.0	4043.9	4427.3					
Stddev	11.1	18.6	42.0	8.1					
%RSD	0.43508	0.37400	1.0327	0.18270					
#1	2533.1	4966.1	4048.5	4419.3					
#2	2555.2	5001.9	4042.8	4427.0					
#3	2542.6	4975.0	4040.3	4435.5					

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Sample Name: FA32352-18 Acquired: 3/22/2016 11:31:11 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.181	-0.003	0.095	0.000	13.85	0.000	-0.001	0.003
Stddev	0.003	0.018	0.002	0.001	0.000	0.15	0.000	0.000	0.001
%RSD	119.7	9.797	70.45	5.497	95.50	1.083	120.3	32.99	40.84
#1	-0.003	0.198	-0.004	0.095	0.000	13.78	0.000	-0.001	0.005
#2	-0.005	0.162	-0.001	0.095	-0.001	14.02	0.000	-0.001	0.002
#3	0.001	0.184	-0.005	0.094	0.000	13.75	-0.001	-0.001	0.003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.004	6.099	5.972	5.404	0.268	0.105	-0.001	0.118	0.002
Stddev	0.001	0.044	0.83	0.37	0.000	0.000	0.07	0.003	0.005
%RSD	31.74	0.7252	1.382	6.776	1.675	1.811	6.867	200.7	4.120
#1	0.004	6.062	6.012	5.403	0.268	0.006	10.47	-0.001	0.020
#2	0.005	6.148	6.026	5.441	0.267	0.006	10.59	0.001	0.012
#3	0.003	6.087	5.877	5.367	0.268	0.006	10.45	-0.004	0.021
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.009	0.013	8.556	0.001	0.051	0.008	-0.001	0.004	0.057
Stddev	0.012	0.016	0.007	0.001	0.003	0.001	0.015	0.001	0.001
%RSD	137.0	118.4	0.865	133.4	5.199	12.05	156.3	15.43	9.142
#1	-0.001	0.030	8.564	0.000	0.051	0.009	-0.014	0.004	0.058
#2	0.005	0.013	8.554	0.000	0.054	0.008	0.015	0.004	0.058
#3	0.022	-0.002	8.549	0.002	0.049	0.007	-0.005	0.003	0.057
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2530.2	4973.4	4030.6	4428.5					
Stddev	3.4	10.8	54.0	43.5					
%RSD	0.13365	0.21690	1.3310	0.98148					
#1	2531.1	4966.5	4024.4	4430.7					
#2	2526.4	4968.0	4034.0	4384.0					
#3	2533.0	4985.9	4033.5	4470.8					

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Sample Name: FA32352-20 Acquired: 3/22/2016 11:35:39 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.198	-0.006	0.250	0.000	29.15	0.000	-0.002	0.003
Stddev	0.001	0.008	0.005	0.003	0.000	0.17	0.000	0.001	0.001
%RSD	37.68	44.88	83.76	1.018	176.6	6.001	166.2	29.50	35.66
#1	-0.002	0.126	-0.010	0.248	0.000	29.01	-0.001	-0.002	0.003
#2	-0.003	0.170	-0.001	0.249	0.000	29.35	0.000	-0.002	0.002
#3	-0.001	0.298	-0.006	0.253	0.000	29.09	0.000	-0.001	0.004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.000	0.070	2.878	5.230	0.015	0.008	17.70	-0.001	0.002
Stddev	0.001	0.010	0.23	0.050	0.001	0.001	0.07	0.001	0.005
%RSD	308.6	1.782	7.913	9.508	7.171	15.49	4.110	135.5	274.4
#1	0.000	0.0560	2.855	5.174	0				

Sample Name: FA32381-1 Acquired: 3/22/2016 11:40:08 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	0.014	-0.013	0.035	0.001	3.341	-0.001	0.010	0.035
Stddev	0.005	0.106	0.012	0.004	0.001	0.006	0.000	0.003	0.003
%RSD	141.0	783.4	93.78	10.32	71.81	0.1819	8.747	28.62	7.347
#1	0.002	0.120	0.000	0.039	0.002	3.348	-0.001	0.013	0.032
#2	-0.006	-0.093	-0.014	0.031	0.001	3.337	-0.001	0.007	0.035
#3	-0.006	0.014	-0.025	0.035	0.000	3.338	-0.001	0.009	0.037
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	0.012	-0.017	149.1	2.079	0.001	0.010	73.40	0.006	-0.004
Stddev	0.004	0.043	3	0.034	0.001	0.001	0.18	0.001	0.006
%RSD	36.93	246.3	0.1844	1.638	62.55	6.460	0.2457	22.68	164.3
#1	0.012	-0.001	148.9	2.043	0.001	0.011	73.23	0.007	0.003
#2	0.007	-0.066	149.4	2.083	0.002	0.010	73.59	0.006	-0.008
#3	0.016	0.015	149.2	2.110	0.001	0.010	73.37	0.004	-0.006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.005	0.034	3.056	-0.002	0.025	0.001	0.008	0.000	0.286
Stddev	0.015	0.004	0.005	0.005	0.002	0.001	0.016	0.000	0.002
%RSD	332.8	11.49	0.1617	210.4	4.153	40.62	199.5	654.1	0.8714
#1	-0.010	0.033	3.060	0.003	0.027	0.001	0.019	-0.003	0.287
#2	-0.016	0.032	3.058	-0.006	0.023	0.002	0.015	0.002	0.287
#3	0.013	0.039	3.050	-0.003	0.025	0.001	-0.010	0.000	0.283
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2428.0	4920.9	39233.	4390.2					
Stddev	4.0	12.5	179.	22.1					
%RSD	0.16309	0.25490	0.45665	0.50374					
#1	2423.4	4908.0	39136.	4414.1					
#2	2430.4	4921.7	39440.	4370.5					
#3	2430.1	4933.1	39124.	4386.1					

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Sample Name: FA32381-2 Acquired: 3/22/2016 11:44:39 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.000	0.349	0.000	0.181	0.000	95.70	0.000	-0.001	0.006
Stddev	0.003	0.020	0.001	0.001	0.000	0.31	0.000	0.000	0.002
%RSD	600.6	5.734	7391.	0.3647	157.3	0.3248	188.6	34.05	41.49
#1	0.003	0.327	-0.004	0.181	0.000	95.34	0.000	-0.001	0.005
#2	-0.003	0.367	0.011	0.182	0.000	95.92	-0.001	-0.001	0.004
#3	0.001	0.354	-0.007	0.181	0.000	95.83	0.000	-0.001	0.008
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	0.001	2.124	4.734	9.599	0.068	0.009	5.948	0.001	-0.007
Stddev	0.001	0.12	0.241	0.32	0.000	0.001	0.25	0.002	0.005
%RSD	101.3	0.5715	5.101	0.3317	0.5803	15.03	4.262	291.1	76.51
#1	0.002	2.113	4.841	9.574	0.068	0.008	5.924	0.002	-0.002
#2	0.000	2.137	4.457	9.635	0.068	0.011	5.975	-0.001	-0.006
#3	0.002	2.122	4.903	9.588	0.068	0.009	5.945	0.001	-0.012
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.003	0.011	3.443	-0.001	0.205	0.013	-0.001	0.005	0.086
Stddev	0.007	0.010	0.10	0.002	0.010	0.001	0.006	0.001	0.000
%RSD	198.6	89.51	0.2870	147.3	0.5179	6.489	505.6	23.98	45.12
#1	-0.011	0.022	3.438	-0.002	0.1997	0.014	-0.007	0.004	0.086
#2	0.003	0.003	3.455	-0.002	0.2016	0.012	-0.002	0.004	0.086
#3	-0.002	0.009	3.437	0.001	0.2000	0.014	0.005	0.006	0.086
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2360.8	4739.2	38468.	4289.2					
Stddev	6.6	4.7	7.	12.8					
%RSD	0.28063	0.09882	0.01706	0.29932					
#1	2353.3	4739.2	38468.	4303.8					
#2	2366.0	4734.6	38462.	4279.9					
#3	2363.0	4743.9	38475.	4283.8					

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7.2
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Sample Name: FA32381-3 Acquired: 3/22/2016 11:49:08 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 20.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.018	1.334	-0.004	1.735	0.004	503.3	-0.004	-0.027	0.003
Stddev	0.072	0.650	0.128	0.026	0.007	2.0	0.009	0.015	0.024
%RSD	395.1	48.74	3421.	1.496	200.6	0.3990	239.2	54.64	921.6
#1	-0.041	1.691	0.053	1.742	0.009	505.0	-0.014	-0.043	-0.021
#2	0.063	0.584	-0.151	1.756	0.006	503.8	0.002	-0.014	0.003
#3	-0.077	1.728	0.086	1.706	-0.005	501.0	0.000	-0.024	0.026
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.003	4.804	5.247	93.52	1.078	-0.003	533.0	-0.008	0.015
Stddev	0.020	0.059	0.088	0.79	0.002	0.005	1.6	0.012	0.125
%RSD	767.2	1.228	1.681	0.8447	0.1426	176.0	0.3082	150.3	836.2
#1	-0.017	4.768	5.321	94.35	1.077	-0.005	534.5	-0.011	0.062
#2	0.022	4.872	5.149	92.77	1.078	0.003	533.1	-0.018	0.110
#3	0.003	4.771	5.269	93.44	1.080	-0.005	531.3	0.005	-0.127
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.062	0.290	11.56	-0.031	3.693	0.154	0.244	-0.002	1.857
Stddev	0.194	0.317	0.08	0.016	0.15	0.007	0.304	0.051	0.002
%RSD	313.6	109.3	0.6604	51.35	4.004	4.292	124.6	2042.	0.953
#1	-0.034	0.027	11.48	-0.021	3.710	0.160	-0.049	-0.021	1.855
#2	-0.028	0.201	11.64	-0.023	3.687	0.154	0.223	-0.041	1.856
#3	0.016	0.643	11.56	-0.050	3.683	0.147	0.558	0.055	1.859
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2434.9	4855.1	39238.	4416.9					
Stddev	8.5	12.8	53.	27.4					
%RSD	0.34847	0.26320	0.13548	0.62085					
#1	2431.9	4861.1	39300.	4385.5					
#2	2444.4	4863.8	39205.	4435.9					
#3	2428.3	4840.4	39211.	4429.5					

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Sample Name: FA32381-4 Acquired: 3/22/2016 11:53:38 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.014	0.769	-0.038	1.231	0.000	392.1	-0.006	-0.010	0.026
Stddev	0.039	0.614	0.085	0.012	0.000	0.3	0.002	0.003	0.014
%RSD	273.2	79.89	224.9	0.9979	221.1	0.649	29.59	29.93	56.00
#1	0.025	0.184	-0.079	1.223	0.000	391.9	-0.008	-0.010	0.021
#2	-0.052	1.408	0.060	1.225	0.000	391.9	-0.004	-0.014	0.014
#3	-0.015	0.714	-0.094	1.245	-0.001	392.4	-0.007	-0.007	0.041
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.005	1.289	8.132	73.54	0.043	-0.005	443.3	0.000	0.014
Stddev	0.006	0.14	0.288	0.56	0.002	0.017	4	0.001	0.088
%RSD	110.5	1.071	3.539	0.7598	0.5892	332.6	0.864	7318.	629.8
#1	0.010	1.280	7.972	72.94	0.040	0.01			

Sample Name: FA32381-5 Acquired: 3/22/2016 11:58:08 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 25.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	-0.0319	-0.0074	0.0767	0.0012	225.4	0.0004	-0.0016	0.0057
Stddev	0.001	0.0338	0.0162	0.0048	0.0004	.6	0.0006	0.0009	0.0028
%RSD	30.19	106.1	217.8	6.233	35.07	2.480	152.8	56.07	48.89
#1	-0.003	-0.0008	-0.0261	0.0755	0.0015	225.9	0.0000	-0.0008	0.0084
#2	-0.0005	-0.0679	0.014	0.0727	0.0007	224.8	0.0001	-0.0025	0.0028
#3	-0.0004	-0.0270	0.0025	0.0820	0.0013	225.5	0.0010	-0.0014	0.0060
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0078	1.251	4.507	45.12	0.0226	-0.0024	242.9	-0.0012	-0.0087
Stddev	0.0059	0.061	0.795	84	0.0014	0.0030	1.0	0.0043	0.0097
%RSD	75.63	4.858	17.63	1.851	6.113	128.9	4.087	369.9	111.5
#1	-0.0146	1.317	4.872	45.79	0.0218	0.0011	243.9	0.0007	-0.0008
#2	-0.0038	1.238	3.595	44.18	0.0218	-0.0036	242.9	-0.0060	-0.0058
#3	-0.0051	1.197	5.053	45.40	0.0242	-0.0046	241.9	0.0019	-0.0195
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0282	0.0231	14.41	-0.0031	2.233	0.0076	0.0096	-0.0014	0.2354
Stddev	0.0079	0.0220	0.02	0.0058	0.005	0.0006	0.0090	0.0037	0.0003
%RSD	27.90	95.32	1.423	188.6	0.264	7.538	94.17	276.8	1.298
#1	-0.0325	0.0384	14.43	0.0020	2.238	0.0072	0.0185	-0.0046	0.2350
#2	-0.0191	-0.0021	14.41	-0.0094	2.233	0.0083	0.0004	0.0027	0.2355
#3	-0.0330	0.0329	14.39	-0.0018	2.229	0.0073	0.0099	-0.0022	0.2356
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2516.5	4923.0	39832	4364.8					
Stddev	4.4	8.2	53	19.6					
%RSD	0.17521	0.16735	0.13297	0.44839					
#1	2521.6	4914.5	39773	4342.7					
#2	2514.0	4923.6	39876	4371.9					
#3	2514.0	4930.9	39848	4379.9					

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Sample Name: FA32381-6 Acquired: 3/22/2016 12:02:38 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	1.274	0.0036	0.0127	0.0002	48.77	0.0002	0.0029	0.0046
Stddev	0.001	0.017	0.0001	0.0001	0.0000	0.08	0.0001	0.0001	0.0001
%RSD	26.21	1.330	4.000	0.5255	3.486	0.1687	33.86	4.449	1.930
#1	-0.003	1.268	0.0035	0.0128	0.0002	48.72	0.0002	0.0028	0.0047
#2	-0.0004	1.293	0.0036	0.0128	0.0002	48.86	0.0002	0.0029	0.0046
#3	-0.0005	1.260	0.0038	0.0126	0.0002	48.71	0.0001	0.0031	0.0045
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0079	6.316	2.159	3.532	0.0538	0.0006	4.933	0.0054	0.0065
Stddev	0.0002	0.021	0.010	0.013	0.0002	0.0001	0.11	0.0002	0.0003
%RSD	3.147	0.3399	0.4738	0.3737	0.4585	21.50	0.2182	3.413	4.843
#1	0.0081	6.302	2.154	3.542	0.0536	0.0006	4.943	0.0052	0.0068
#2	0.0076	6.341	2.170	3.517	0.0538	0.0008	4.933	0.0054	0.0061
#3	0.0080	6.306	2.152	3.538	0.0541	0.0006	4.922	0.0055	0.0065
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0004	0.0024	2.149	0.0000	0.022	0.0298	-0.0007	0.0160	0.0640
Stddev	0.0010	0.0010	0.005	0.000	0.0003	0.0007	0.0008	0.0002	0.0001
%RSD	249.4	43.70	0.2537	600.6	0.3420	2.506	122.2	1.052	0.1944
#1	-0.0007	0.0035	2.154	-0.0002	0.022	0.0307	-0.0003	0.0161	0.0640
#2	0.0010	0.0016	2.148	0.0002	0.025	0.0295	-0.0001	0.0158	0.0639
#3	0.0009	0.0020	2.144	-0.0001	0.018	0.0293	-0.0016	0.0160	0.0641
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2461.1	4875.7	4005.1	4432.0					
Stddev	2.9	4.4	142	17.3					
%RSD	0.11675	0.09059	0.35439	0.39010					
#1	2457.9	4880.7	3990.4	4435.8					
#2	2463.4	4872.2	4018.7	4413.2					
#3	2462.1	4874.3	4006.1	4447.1					

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7.2
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Sample Name: CCV Acquired: 3/22/2016 12:07:03 Type: QC
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.444	38.42	1.930	1.937	1.935	38.62	1.945	1.938	1.938
Stddev	0.011	0.20	0.02	0.009	0.010	0.18	0.002	0.002	0.008
%RSD	0.4362	0.5159	0.1135	0.4423	0.5051	0.4762	0.0779	0.0880	0.4232
#1	2.456	38.44	1.933	1.932	1.939	38.79	1.943	1.937	1.939
#2	2.437	38.21	1.929	1.933	1.924	38.43	1.946	1.939	1.945
#3	2.439	38.60	1.929	1.947	1.942	38.65	1.944	1.940	1.928
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.907	37.45	38.79	38.03	1.971	1.929	38.94	1.945	1.895
Stddev	0.015	0.18	0.11	0.25	0.009	0.001	0.14	0.002	0.001
%RSD	0.7830	0.4770	0.2960	0.6658	0.4487	0.0526	0.3666	0.0749	0.0658
#1	1.920	37.54	38.82	38.28	1.973	1.929	39.07	1.944	1.894
#2	1.891	37.24	38.66	37.77	1.978	1.929	38.79	1.944	1.897
#3	1.911	37.57	38.88	38.05	1.961	1.931	38.97	1.946	1.896
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.915	1.928	2.376	1.942	1.948	1.939	1.908	1.935	1.939
Stddev	0.004	0.001	0.005	0.002	0.006	0.005	0.004	0.004	0.005
%RSD	0.2336	0.0727	0.1986	0.0795	0.3159	0.2793	0.1823	0.2049	0.2691
#1	1.920	1.927	2.382	1.942	1.952	1.945	1.904	1.939	1.935
#2	1.913	1.929	2.372	1.943	1.940	1.934	1.911	1.934	1.945
#3	1.911	1.927	2.375	1.940	1.950	1.938	1.909	1.931	1.937
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 3/22/2016 12:07:03 Type: QC
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2233.5	4802.7	38650	4347.5
Stddev	2.4	10.3	73	30.3
%RSD	0.10571	0.21478	0.18821	0.69808
#1	2235.8	4798.8	38621	4329.7
#2	2233.6	4814.4	38597	4382.5
#3	2231.1	4794.9	38733	4330.3

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Sample Name: CCB Acquired: 3/22/2016 12:11:14 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.014	0.002	0.004	0.002	0.028	0.002	0.000	0.003
Stddev	0.001	0.024	0.002	0.003	0.000	0.021	0.000	0.001	0.001
%RSD	58.98	174.3	93.04	83.43	10.11	76.56	5.152	263.9	41.01
#1	-0.001	-0.010	0.005	0.006	0.002	0.037	0.002	0.000	0.002
#2	-0.001	0.037	0.002	0.000	0.002	0.004	0.002	0.001	0.003
#3	-0.003	0.013	0.001	0.004	0.002	0.043	0.002	0.000	0.004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	0.188	0.247	0.117	0.002	F -0.019	0.073	0.002	0.001
Stddev	0.001	0.025	0.172	0.176	0.000	0.004	0.018	0.000	0.004
%RSD	36.53	13.04	69.47	149.9	25.00	21.91	24.59	20.86	331.1
#1	-0.004	0.216	0.078	0.039	0.002	0.023	0.083	0.002	0.002
#2	-0.002	0.182	0.422	-0.006	0.001	0.019	0.083	0.002	-0.003
#3	-0.004	0.167	0.242	0.319	0.002	0.015	0.052	0.003	0.005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						0.010			
Low Limit						-0.010			

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.004	F 0.027	-0.021	0.001	0.002	0.017	0.014	0.002	0.003
Stddev	0.001	0.007	0.002	0.002	0.001	0.001	0.005	0.000	0.000
%RSD	28.27	25.51	10.46	259.3	37.79	6.737	33.77	14.25	11.14
#1	0.006	0.035	-0.019	0.002	0.001	0.018	0.010	0.003	0.003
#2	0.003	0.022	-0.021	-0.002	0.003	0.017	0.019	0.002	0.003
#3	0.004	0.024	-0.023	0.002	0.001	0.016	0.012	0.002	0.003
Check ?	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		0.020							
Low Limit		-0.020							

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7.2
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Sample Name: CCB Acquired: 3/22/2016 12:11:14 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2637.8	5069.3	4096.1	4406.6
Stddev	4.2	12.7	72.	17.6
%RSD	.16066	.25120	.17478	.39848
#1	2633.7	5065.9	40889.	4411.4
#2	2642.2	5058.6	41032.	4387.1
#3	2637.4	5083.4	40964.	4421.2

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Sample Name: FA32381-7 Acquired: 3/22/2016 12:15:46 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.298	-0.006	0.252	0.000	78.20	0.000	-0.005	0.006
Stddev	0.002	0.059	0.005	0.003	0.000	.27	0.001	0.001	0.000
%RSD	102.2	19.96	76.04	1.326	625.9	.3451	3060.	19.36	7.368
#1	-0.002	0.310	-0.009	0.248	0.000	77.97	0.001	-0.006	0.006
#2	0.000	0.233	-0.001	0.253	0.000	78.50	0.000	-0.004	0.006
#3	-0.004	0.351	-0.008	0.255	0.000	78.12	-0.001	-0.004	0.007

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.001	1.424	1.391	14.40	0.206	0.013	19.81	-0.004	-0.005
Stddev	0.002	0.04	0.27	0.6	0.000	0.001	0.6	0.001	0.002
%RSD	194.2	2.466	1.951	4.404	.1918	6.490	3.242	20.83	43.47
#1	0.001	1.423	1.363	14.44	0.206	0.013	19.74	-0.003	-0.004
#2	-0.002	1.428	1.392	14.43	0.206	0.014	19.86	-0.005	-0.007
#3	-0.001	1.422	1.417	14.33	0.207	0.013	19.82	-0.005	-0.003

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.005	0.011	11.12	0.003	2.199	0.049	-0.006	0.002	0.078
Stddev	0.002	0.005	.01	0.002	0.007	0.005	0.008	0.001	0.001
%RSD	46.37	42.99	0.874	68.89	3.223	11.17	141.3	51.34	1.801
#1	-0.007	0.006	11.12	0.001	2.191	0.043	0.003	0.002	0.077
#2	-0.006	0.012	11.13	0.004	2.201	0.049	-0.012	0.003	0.077
#3	-0.003	0.015	11.11	0.003	2.205	0.054	-0.008	0.001	0.080

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2405.2	4864.1	3934.0	4361.6
Stddev	4.3	2.8	103.	6.7
%RSD	.18072	.05700	.26221	.15384
#1	2410.1	4865.6	39289.	4366.6
#2	2404.0	4860.9	39458.	4354.0
#3	2401.7	4865.9	39272.	4364.2

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Sample Name: FA32381-8 Acquired: 3/22/2016 12:20:15 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	7.048	0.274	0.213	0.003	186.6	0.007	0.005	0.020
Stddev	0.000	0.45	0.005	0.001	0.001	.2	0.000	0.001	0.004
%RSD	1.821	6.337	1.968	.3875	29.36	.0937	2.806	10.86	1.798
#1	-0.002	7.007	0.278	0.213	0.003	186.4	0.007	0.005	0.020
#2	-0.002	7.041	0.276	0.212	0.002	186.7	0.007	0.005	0.019
#3	-0.002	7.096	0.268	0.214	0.003	186.6	0.007	0.006	0.020

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.005	7.117	5.894	6.196	0.370	0.034	9.568	0.047	0.018
Stddev	0.001	0.26	0.33	0.23	0.001	0.001	0.09	0.002	0.004
%RSD	24.23	3.718	5.659	3.650	.3502	4.170	0.929	3.286	20.36
#1	0.004	7.108	5.868	6.183	0.372	0.034	9.576	0.046	0.018
#2	0.005	7.096	5.931	6.184	0.370	0.035	9.558	0.048	0.014
#3	0.007	7.147	5.882	6.223	0.370	0.033	9.569	0.046	0.021

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.000	0.033	10.26	0.000	1.060	0.2645	-0.008	0.0218	0.084
Stddev	0.005	0.019	.06	0.001	0.02	0.030	0.005	0.001	0.001
%RSD	990.8	57.31	6.233	638.1	.1934	1.145	67.79	.5877	1.343
#1	0.001	0.028	10.34	-0.001	1.063	0.2623	-0.004	0.0219	0.082
#2	-0.005	0.017	10.22	0.000	1.059	0.2679	-0.005	0.0217	0.085
#3	0.005	0.054	10.23	0.001	1.059	0.2632	-0.014	0.0219	0.084

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2314.7	4850.2	39594.	4375.3
Stddev	4.4	6.0	36.	22.1
%RSD	.19054	.12398	.09135	.50426
#1	2318.8	4848.7	39623.	4361.9
#2	2310.0	4845.1	39605.	4400.8
#3	2315.3	4856.8	39554.	4363.3

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Sample Name: FA32381-9 Acquired: 3/22/2016 12:24:42 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 20.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.052	0.431	0.034	0.7369	0.004	1199.	0.001	-0.017	0.048
Stddev	0.044	0.0845	0.0052	0.0062	0.003	2.	0.002	0.027	0.037
%RSD	84.17	19.59	153.6	0.8222	74.45	0.1361	155.8	157.7	78.81
#1	-0.080	0.4986	0.0084	0.7302	0.004	1199.	0.003	0.000	0.026
#2	-0.002	0.3364	-0.0019	0.7425	0.001	1201.	0.002	-0.049	0.091
#3	-0.073	0.4583	0.0037	0.7380	0.008	1198.	-0.001	-0.003	0.026
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	-0.049	0.054	16.33	4.357	0.002	0.030	1744.	0.013	-0.003
Stddev	0.037	0.0311	0.57	0.421	0.001	0.022	4.	0.014	0.103
%RSD	76.43	68.57	3.496	9.653	67.15	73.73	0.2167	104.6	3131.
#1	-0.056	0.0572	16.57	4.759	0.001	0.035	1740.	0.029	0.115
#2	-0.009	0.0690	15.68	4.393	0.001	0.049	1746.	0.005	-0.075
#3	-0.083	0.0101	16.75	3.920	0.003	0.006	1746.	0.006	-0.050
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.024	0.034	2.507	-0.005	17.09	0.170	0.136	0.002	-1.129
Stddev	0.095	0.170	0.13	0.036	0.07	0.029	0.256	0.018	0.013
%RSD	395.8	50.76	5.221	716.9	0.4061	16.83	188.5	104.7	1.178
#1	0.095	0.0464	2.522	0.035	17.01	0.198	-0.125	-0.009	0.1143
#2	0.061	0.142	2.503	-0.015	17.13	0.172	0.386	-0.008	0.1128
#3	-0.084	0.0396	2.497	-0.035	17.12	0.141	0.146	0.022	0.1116
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2353.3	4837.6	39192.	4513.3					
Stddev	5.5	14.4	35.	17.8					
%RSD	0.2382	0.29695	0.8922	0.39364					
#1	2358.1	4853.9	39226.	4498.2					
#2	2354.5	4826.8	39156.	4508.7					
#3	2347.3	4832.1	39194.	4532.9					

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Sample Name: FA32381-10 Acquired: 3/22/2016 12:29:11 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 100.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.041	-0.228	0.0391	0.7447	0.027	1612.	-0.036	-0.009	0.057
Stddev	0.142	0.8432	0.0156	0.0384	0.0045	8.	0.041	0.071	0.152
%RSD	350.8	368.5	39.88	5.159	163.6	4864	114.9	71.62	267.4
#1	-0.204	-1.174	0.058	0.7246	-0.023	1609.	0.007	-0.115	0.124
#2	0.054	0.4464	0.0365	0.7204	0.061	1606.	-0.040	-0.022	-0.117
#3	0.029	0.412	0.0249	0.7890	0.045	1621.	-0.076	-0.161	0.163
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	-0.053	4.693	70.10	274.4	0.1478	-0.0081	3321.	-0.009	0.169
Stddev	0.210	0.118	2.05	2.2	0.042	0.068	10.	0.129	0.582
%RSD	39.34	2.522	2.926	0.7934	2.857	84.89	0.3133	130.3	344.0
#1	-0.411	4.584	67.97	274.0	0.1439	-0.149	3312.	-0.232	0.492
#2	-0.416	4.675	70.28	272.5	0.1523	-0.102	3319.	0.027	-0.503
#3	-0.778	4.819	72.06	276.8	0.1473	-0.082	3332.	-0.093	0.519
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.133	0.1224	12.21	-0.071	41.33	0.502	0.751	-0.031	-0.719
Stddev	0.0612	0.1547	0.03	0.036	0.11	0.057	0.624	0.037	0.024
%RSD	459.2	126.4	2.103	192.0	0.2716	11.46	83.02	119.0	0.361
#1	-0.384	-0.277	12.19	-0.017	41.20	0.492	0.162	0.008	0.7106
#2	0.089	0.2813	12.24	0.030	41.39	0.563	0.1404	-0.065	0.7146
#3	-0.025	-0.1135	12.19	-0.026	41.41	0.449	0.688	-0.037	0.7104
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2474.9	4938.7	39693.	4427.4					
Stddev	7.7	9.0	110.	22.4					
%RSD	0.31193	0.18292	0.27829	0.50684					
#1	2466.9	4928.9	39713.	4426.7					
#2	2482.3	4940.6	39792.	4450.1					
#3	2475.6	4946.6	39574.	4405.3					

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7.2
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Sample Name: FA32381-11 Acquired: 3/22/2016 12:33:41 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.016	0.211	-0.014	0.162	0.001	26.19	-0.004	-0.006	-0.003
Stddev	0.010	0.0593	0.0025	0.009	0.003	0.06	0.001	0.007	0.006
%RSD	62.17	28.15	174.4	5.519	238.6	0.2249	37.47	132.2	171.8
#1	-0.008	0.0769	0.000	0.163	-0.001	26.19	-0.003	-0.001	0.003
#2	-0.027	0.0276	0.000	0.170	0.005	26.25	-0.003	-0.001	-0.004
#3	-0.012	-0.0412	-0.0043	0.153	0.000	26.14	-0.006	-0.014	-0.009
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.033	0.265	43.51	3.280	0.011	0.016	380.6	-0.005	-0.013
Stddev	0.016	0.169	0.31	0.159	0.002	0.011	2.0	0.007	0.060
%RSD	47.98	63.61	0.7099	4.853	18.11	69.57	0.5323	123.4	474.2
#1	-0.041	0.070	43.75	3.356	0.009	0.009	380.7	-0.002	-0.064
#2	-0.015	0.0362	43.62	3.386	0.010	0.010	382.6	-0.013	0.053
#3	-0.044	0.0364	43.16	3.097	0.013	0.029	378.5	-0.001	-0.027
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.056	-0.040	4.989	0.003	8921.	0.022	0.119	0.005	0.875
Stddev	0.123	0.081	0.07	0.024	0.023	0.003	0.040	0.015	0.003
%RSD	217.4	203.2	0.1415	915.6	0.2538	13.45	33.25	314.5	0.3914
#1	-0.015	-0.113	4.995	-0.004	8923.	0.019	0.088	0.016	0.872
#2	-0.194	-0.0055	4.981	-0.017	8943.	0.022	0.107	-0.012	0.877
#3	0.040	0.048	4.991	0.029	8898.	0.025	0.164	0.010	0.878
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2509.5	4970.5	40247.	4444.6					
Stddev	4.6	11.0	166.	15.6					
%RSD	0.18216	0.22105	0.41200	0.35033					
#1	2513.7	4982.8	40186.	4435.2					
#2	2510.2	4967.0	40121.	4436.0					
#3	2504.6	4961.6	40435.	4462.6					

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Sample Name: FA32381-12 Acquired: 3/22/2016 12:38:12 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.1861	0.050	0.232	0.000	96.15	0.000	0.000	0.009
Stddev	0.001	0.017	0.010	0.003	0.000	0.49	0.000	0.000	0.003
%RSD	31.08	9.357	19.85	1.127	117.3	0.5109	13020.	171.7	31.48
#1	-0.002	0.1841	0.058	0.229	0.001	95.70	0.000	-0.001	0.007
#2	-0.003	0.1869	0.055	0.234	0.000	96.67	0.000	0.000	0.008
#3	-0.002	0.1872	0.039	0.232	0.000	96.08	0.000	0.000	0.012
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.001	1.941	2.126	5.102	0.127	0.016	4.327	0.003	0.001
Stddev	0.000	0.11	0.17	0.44	0.001	0.001	0.017	0.001	0.001
%RSD	51.24	5.514	7.868	8.550	0.8465	6.492	0.3821	21.32	107.6
#1	-0.001	1.933	2.124	5.054	0.128	0.016	4.311	0.004	0.000
#2	-0.001	1.936	2.111	5.113	0.128	0.018	4.344	0.0	

Sample Name: FA32381-13 Acquired: 3/22/2016 12:42:42 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	.1794	.0026	.0371	.0001	103.3	.0000	.0003	.0005
Stddev	.0001	.0045	.0002	.0002	.0000	.4	.000	.0000	.0001
%RSD	33.37	2.523	5.702	.6413	32.18	.4158	120.5	17.60	27.45
#1	-.0004	.1829	.0025	.0374	.0001	102.9	.0000	.0003	.0004
#2	-.0003	.1810	.0027	.0370	.0001	103.7	-.0001	.0003	.0006
#3	-.0002	.1743	.0028	.0370	.0000	103.2	.0000	.0002	.0006
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0005	1.702	2.513	10.51	.0122	.0017	24.80	.0007	-.0001
Stddev	.0000	.005	.031	.05	.0001	.0001	.08	.0001	.0006
%RSD	8.365	.2846	1.234	.4496	.4119	5.880	.3269	14.98	739.8
#1	.0005	1.697	2.486	10.49	.0122	.0016	24.72	.0006	.0001
#2	.0005	1.706	2.508	10.57	.0122	.0018	24.89	.0008	.0004
#3	.0004	1.704	2.547	10.48	.0123	.0018	24.80	.0006	-.0007
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0005	.0025	3.796	.0003	.3031	.0042	-.0012	.0030	.0076
Stddev	.0002	.0005	.032	.0002	.0002	.0003	.0010	.0001	.0001
%RSD	36.82	18.46	.8424	58.39	.0520	6.244	81.51	3.976	.7020
#1	-.0005	.0023	3.791	.0003	.3031	.0040	-.0005	.0029	.0076
#2	-.0003	.0022	3.767	.0001	.3032	.0045	-.0008	.0031	.0077
#3	-.0007	.0031	3.831	.0005	.3029	.0041	-.0023	.0030	.0076
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2356.0	4730.3	39434.	4484.2					
Stddev	5.1	22.0	200.	23.1					
%RSD	.21747	.46531	.50717	.51571					
#1	2352.4	4736.7	39333.	4495.2					
#2	2361.9	4748.4	39664.	4457.7					
#3	2353.8	4705.8	39304.	4499.8					

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Sample Name: CCV Acquired: 3/22/2016 12:47:11 Type: QC
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2418	38.50	1.923	1.948	1.929	38.29	1.939	1.941	1.916
Stddev	.0005	.12	.002	.005	.004	.17	.003	.004	.004
%RSD	.2231	.3229	.0769	.2591	.2356	.4550	.1308	.2071	.2038
#1	.2413	38.35	1.923	1.950	1.924	38.09	1.942	1.946	1.915
#2	.2418	38.58	1.922	1.952	1.932	38.34	1.940	1.938	1.920
#3	.2424	38.56	1.924	1.942	1.932	38.43	1.937	1.940	1.912
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.904	37.46	38.64	37.72	1.940	1.939	38.80	1.939	1.876
Stddev	.012	.10	.07	.26	.003	.002	.10	.001	.004
%RSD	.6041	.2730	.1786	.6915	.1604	.1088	.2516	.0640	.1870
#1	1.891	37.34	38.56	37.44	1.944	1.940	38.70	1.940	1.876
#2	1.914	37.53	38.68	37.77	1.938	1.936	38.79	1.938	1.879
#3	1.905	37.50	38.67	37.95	1.939	1.940	38.90	1.939	1.872
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.924	1.931	2.384	1.933	1.943	1.924	1.890	1.909	1.918
Stddev	.004	.004	.003	.001	.003	.008	.007	.001	.005
%RSD	.2048	.1900	.1235	.0413	.1301	.4238	.3562	.0714	.2622
#1	1.926	1.935	2.387	1.933	1.941	1.916	1.888	1.908	1.920
#2	1.919	1.928	2.381	1.933	1.944	1.933	1.897	1.911	1.922
#3	1.926	1.930	2.384	1.932	1.945	1.924	1.884	1.909	1.912
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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7.2
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Sample Name: CCV Acquired: 3/22/2016 12:47:11 Type: QC
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2242.4	4786.7	38971.	4355.7
Stddev	3.1	5.3	141.	28.7
%RSD	.13972	.11155	.36267	.65940
#1	2244.8	4786.8	39117.	4383.5
#2	2238.9	4791.9	38835.	4357.4
#3	2243.6	4781.3	38960.	4326.2

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Sample Name: CCB Acquired: 3/22/2016 12:51:22 Type: QC
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0005	.0005	.0003	.0003	.0038	.0002	.0002	.0002
Stddev	.0003	.0043	.0003	.0002	.0000	.0006	.0001	.0001	.0001
%RSD	187.7	909.3	67.44	61.73	12.47	15.78	28.31	38.43	57.21
#1	-.0001	.0026	.0004	.0004	.0003	.0043	.0002	.0002	.0001
#2	-.0005	.0033	.0002	.0004	.0003	.0039	.0002	.0002	.0002
#3	-.0001	-.0045	.0008	.0001	.0003	.0032	.0003	.0003	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	.0194	.0205	.0007	.0002	F .0018	.0097	.0003	.0004
Stddev	.0001	.0012	.0110	.0056	.0000	.0003	.0063	.0000	.0003
%RSD	26.45	6.423	53.54	796.4	9.899	18.04	64.76	17.82	72.71
#1	-.0006	.0207	.0250	.0051	.0002	.0021	.0164	.0003	.0001
#2	-.0004	.0183	.0285	-.0056	.0002	.0018	.0039	.0002	.0004
#3	-.0007	.0190	.0080	.0026	.0002	.0015	.0088	.0003	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-.0010			
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	F .0024	-.0021	.0002	.0003	.0017	.0014	.0003	.0003
Stddev	.0007	.0018	.0001	.0003	.0000	.0002	.0002	.0001	.0000
%RSD	84.88	75.20	6.513	142.7	9.290	9.562	16.21	30.55	6.467
#1	.0015	.0009	-.0022	-.0002	.0003	.0018	.0013	.0004	.0003
#2	.0002	.0019	-.0021	-.0001	.0003	.0016	.0016	.0002	.0003
#3	.0006	.0045	-.0019	.0005	.0004	.0015	.0013	.0003	.0003
Check ?	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.0020							
Low Limit		-.0020							

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Sample Name: CCB Acquired: 3/22/2016 12:51:22 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2713.1	5175.8	4225.6	4548.4
Stddev	7.6	7.9	152.	35.3
%RSD	.27979	.15326	.35976	.77646
#1	2706.4	5175.7	42111.	4508.8
#2	2711.5	5183.8	42243.	4559.6
#3	2721.3	5168.0	42414.	4576.7

Sample Name: CCV Acquired: 3/22/2016 13:12:52 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	2.552	40.28	1.997	1.998	2.020	40.36	2.023	2.020	2.023
Stddev	.0005	.02	.003	.003	.002	.10	.002	.004	.014
%RSD	.1981	.0540	.1666	.1292	.0883	.2362	.1005	.2073	.7101
#1	.2556	40.26	1.999	2.000	2.018	40.47	2.024	2.024	2.037
#2	.2546	40.27	1.999	1.995	2.020	40.33	2.024	2.020	2.008
#3	.2554	40.30	1.993	2.000	2.021	40.29	2.021	2.016	2.025

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	2.012	39.42	40.19	40.45	2.042	2.012	40.18	2.019	1.974
Stddev	.002	.04	.09	.16	.010	.005	.09	.001	.010
%RSD	.1073	.0985	.2230	.3922	.4925	.2439	.2212	.0659	.4870
#1	2.014	39.46	40.26	40.27	2.052	2.016	40.26	2.021	1.963
#2	2.010	39.40	40.08	40.55	2.032	2.012	40.08	2.018	1.978
#3	2.012	39.39	40.21	40.54	2.042	2.007	40.19	2.019	1.980

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	1.997	2.006	2.479	2.025	2.032	2.031	1.996	2.005	2.014
Stddev	.008	.010	.005	.003	.005	.007	.004	.009	.004
%RSD	.4042	.4870	.1885	.1351	.2408	.3571	.2229	.4223	.2043
#1	2.006	2.017	2.483	2.023	2.030	2.038	1.991	2.013	2.009
#2	1.996	2.000	2.481	2.024	2.028	2.023	1.999	1.996	2.016
#3	1.990	2.001	2.474	2.028	2.037	2.032	1.997	2.006	2.017

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

7.2
7

Sample Name: CCV Acquired: 3/22/2016 13:12:52 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2210.6	4704.2	3837.2	4244.0
Stddev	5.6	12.8	167.	5.1
%RSD	.25377	.27210	.43587	.11972
#1	2216.4	4694.2	38215.	4238.6
#2	2205.2	4699.7	38548.	4244.8
#3	2210.4	4718.6	38353.	4248.7

Sample Name: CCB Acquired: 3/22/2016 13:18:19 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0000	.0012	.0008	.0002	.0002	.0061	.0001	.0002	.0004
Stddev	.000	.0068	.0005	.0002	.0000	.0040	.0000	.0001	.0000
%RSD	372.5	552.0	66.27	101.7	17.15	66.39	16.83	33.65	9.661
#1	-.0001	.0038	.0014	.0000	.0002	.0107	.0002	.0003	.0004
#2	-.0001	-.0065	.0003	.0003	.0002	.0032	.0001	.0001	.0003
#3	-.0001	.0064	.0007	.0002	.0001	.0043	.0001	.0002	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0004	.0231	.0403	.0167	.0002	F .0017	.0163	.0002	.0007
Stddev	.0001	.0013	.0125	.0192	.0000	.0003	.0040	.0001	.0006
%RSD	31.14	5.496	31.12	115.4	31.36	14.88	24.61	60.97	80.88
#1	.0003	.0219	.0349	.0254	.0001	.0020	.0162	.0003	.0014
#2	.0006	.0229	.0314	.0300	.0001	.0016	.0204	.0001	.0002
#3	.0004	.0245	.0546	-.0054	.0002	.0016	.0124	.0003	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0003	.0007	-.0008	.0007	.0002	.0015	-.0001	.0002	.0002
Stddev	.0004	.0013	.0003	.0002	.0000	.0001	.0007	.0000	.0000
%RSD	145.7	186.1	35.17	22.34	19.31	4.881	753.1	14.30	17.00
#1	.0001	-.0007	-.0005	.0007	.0003	.0016	-.0002	.0002	.0002
#2	.0000	.0009	-.0011	.0009	.0003	.0014	-.0008	.0002	.0002
#3	.0008	.0019	-.0007	.0006	.0002	.0015	.0007	.0002	.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/22/2016 13:18:19 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2643.5	5015.7	4157.2	4509.6
Stddev	9.8	18.6	84.	38.6
%RSD	.37214	.37014	.20271	.85511
#1	2632.1	4996.5	41532.	4470.3
#2	2649.2	5017.2	41669.	4511.2
#3	2649.1	5033.5	41516.	4547.4

Sample Name: MP30151-MB1 Acquired: 3/22/2016 13:24:14 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.003	0.078	-0.008	0.001	0.000	0.140	0.000	0.000	0.002
Stddev	0.003	0.037	0.002	0.002	0.000	0.020	0.000	0.001	0.003
%RSD	108.5	46.73	20.50	216.3	175.7	14.15	202.1	314.2	132.2
#1	-0.003	0.119	-0.010	-0.001	0.000	0.127	0.000	0.000	0.002
#2	-0.006	0.048	-0.007	0.003	0.000	0.162	0.000	0.001	-0.001
#3	0.000	0.068	-0.007	0.001	0.000	0.129	0.000	0.000	0.005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	0.007	0.115	0.153	0.210	0.001	0.008	0.070	0.001	0.003
Stddev	0.001	0.015	0.139	0.149	0.000	0.002	0.046	0.001	0.003
%RSD	19.15	12.94	91.27	70.94	51.45	27.55	65.32	45.79	86.43
#1	0.007	0.128	0.152	0.129	0.001	0.010	0.065	0.001	0.006
#2	0.005	0.099	0.014	0.119	0.001	0.008	0.118	0.001	0.001
#3	0.007	0.119	0.292	0.382	0.001	0.006	0.027	0.002	0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	0.005	-0.010	0.082	0.009	0.000	0.011	-0.002	-0.001	0.007
Stddev	0.005	0.009	0.006	0.003	0.000	0.002	0.007	0.001	0.000
%RSD	100.9	92.66	6.754	32.28	422.1	13.67	353.0	126.5	2.701
#1	0.010	0.000	0.076	0.010	-0.001	0.013	-0.009	0.000	0.007
#2	0.006	-0.018	0.087	0.011	0.001	0.010	0.002	-0.002	0.007
#3	0.000	-0.011	0.083	0.006	0.000	0.011	0.002	-0.001	0.007

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.2
7

Sample Name: MP30151-MB1 Acquired: 3/22/2016 13:24:14 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2611.8	4970.1	41289.	4403.5
Stddev	13.8	36.8	57.	31.4
%RSD	.52661	.74001	.13752	.71244
#1	2596.9	4938.1	41223.	4368.3
#2	2614.7	4961.9	41324.	4428.5
#3	2623.9	5010.3	41320.	4413.6

Sample Name: MP30151-B1 Acquired: 3/22/2016 13:28:48 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	0.0506	29.74	2.166	2.219	0.572	27.72	0.562	0.5578	0.2263
Stddev	0.004	.10	.009	.010	0.002	.14	0.001	0.014	0.008
%RSD	.8627	.3438	.4325	.4615	.4288	.4896	.2592	.2569	.3454
#1	0.0502	29.71	2.157	2.212	0.569	27.62	0.560	0.5561	0.2254
#2	0.0507	29.66	2.176	2.214	0.574	27.66	0.561	0.5584	0.2267
#3	0.0511	29.85	2.165	2.231	0.574	27.87	0.563	0.5587	0.2268

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	0.2853	28.82	27.55	27.80	0.574	0.547	27.68	0.5657	0.5278
Stddev	0.009	.14	.15	.10	0.005	0.024	.10	0.007	0.006
%RSD	.3210	.4765	.5557	.3585	.0824	.4578	.3742	.1300	.1194
#1	0.2854	28.73	27.45	27.72	0.571	0.5319	27.59	0.5648	0.5272
#2	0.2861	28.76	27.48	27.77	0.579	0.5355	27.65	0.5660	0.5277
#3	0.2843	28.98	27.73	27.91	0.571	0.5366	27.79	0.5662	0.5285

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	0.5501	2.187	0.298	0.5468	0.5343	0.5454	2.130	0.5261	0.5567
Stddev	0.021	.011	0.003	0.017	0.019	0.012	0.009	0.012	0.009
%RSD	.3807	.5156	1.129	.3057	.3537	.2224	.4387	.2328	.1534
#1	0.5477	2.175	0.294	0.5449	0.5326	0.5444	2.127	0.5269	0.5559
#2	0.5512	2.188	0.299	0.5478	0.5341	0.5450	2.141	0.5247	0.5566
#3	0.5515	2.197	0.301	0.5478	0.5363	0.5468	2.123	0.5266	0.5576

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30151-B1 Acquired: 3/22/2016 13:28:48 Type: QC
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2284.1	4677.3	38177.	4232.4
Stddev	1.8	10.4	102.	18.2
%RSD	.07716	.22256	.26638	.42923

#1	2283.7	4688.6	38262.	4224.6
#2	2282.5	4675.0	38205.	4253.2
#3	2286.0	4668.2	38065.	4219.5

Sample Name: FA32192-1 Acquired: 3/22/2016 13:33:00 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-0.003	0.138	-0.012	0.704	0.000	3.829	0.003	0.007	0.004
Stddev	.0006	.0051	.0001	.0004	.000	.0024	.0000	.0001	.0002
%RSD	226.3	37.33	9.842	.6250	131.8	.6208	13.66	14.28	42.85

#1	.0003	.0128	-0.011	.0707	.0000	.3857	.0002	.0008	.0006
#2	-0.001	.0193	-0.011	.0699	.0000	.3815	.0003	.0007	.0002
#3	-0.009	.0091	-0.013	.0706	.0000	.3816	.0003	.0007	.0004

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	0.030	3.023	1.666	0.143	0.018	0.003	F 177.2	0.047	0.015
Stddev	.0002	.0035	.0344	.0258	.0001	.0001	1.2	.0001	.0007
%RSD	5.088	1.163	20.66	180.0	.8700	38.77	.6751	3.012	48.87

#1	.0031	.3059	.1457	.0347	.0120	.0004	177.1	.0048	.0007
#2	.0029	.3022	.1479	.0229	.0118	.0002	178.5	.0046	.0021
#3	.0028	.2989	.2064	-.0147	.0118	.0003	176.1	.0048	.0017

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	0.012	0.011	0.234	0.010	0.011	0.004	0.000	-0.001	0.0350
Stddev	.0004	.0014	.0006	.0002	.0000	.0001	.000	.0002	.0001
%RSD	30.94	119.6	2.694	25.27	3.778	12.96	793.5	124.2	2.919

#1	.0016	.0008	.0227	.0012	.0011	.0005	.0000	-0.001	.0351
#2	.0008	.0000	.0237	.0008	.0011	.0004	-0.004	-0.003	.0349
#3	.0011	.0026	.0238	.0008	.0011	.0004	.0003	.0000	.0350

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2234.6	4509.0	36885.	4259.1
Stddev	.8	7.1	95.	10.6
%RSD	.03487	.15837	.25752	.24925

#1	2235.0	4511.3	36799.	4264.9
#2	2235.0	4501.0	36869.	4265.6
#3	2233.7	4514.7	36987.	4246.9

7.2
7

Sample Name: MP30151-D1 Acquired: 3/22/2016 13:37:42 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_3600)	Cr2677 (Y_3600)
Avg	0.000	0.089	-0.013	0.695	0.000	3.749	0.003	0.006	0.002
Stddev	.0001	.0021	.0003	.0008	.000	.0029	.0000	.0000	.0001
%RSD	747.2	24.05	22.19	1.116	344.2	.7865	7.479	8.116	69.39

#1	-0.001	.0080	-0.011	.0686	.0000	.3741	.0003	.0006	.0003
#2	.0000	.0113	-0.012	.0699	.0000	.3724	.0003	.0005	.0000
#3	.0001	.0073	-0.016	.0700	.0000	.3782	.0003	.0006	.0002

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_3710)	Na5895 (Y_2243)	Ni2316 (In2306)	Pb2203 (In2306)
Avg	0.029	2.836	2.028	0.244	0.018	0.000	F 177.4	0.048	0.011
Stddev	.0001	.0049	.0274	.0133	.0002	.000	1.8	.0001	.0004
%RSD	4.117	1.711	13.50	54.74	1.276	368.7	1.009	2.482	38.86

#1	.0030	.2782	.2342	.0344	.0117	-0.001	175.5	.0049	.0007
#2	.0030	.2851	.1900	.0295	.0120	-0.000	177.9	.0049	.0012
#3	.0028	.2876	.1842	.0092	.0119	.0001	178.9	.0047	.0015

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_3710)	Sr4077 (Y_3600)	Ti3349 (In2306)	Ti1908 (Y_3600)	V_2924 (Y_2243)	Zn2062 (Y_2243)
Avg	0.013	-0.003	0.239	0.006	0.010	0.000	-0.016	-0.002	0.0351
Stddev	.0006	.0011	.0000	.0002	.0000	.0007	.0001	.0000	.0000
%RSD	48.54	438.0	.1457	34.76	3.922	60.06	46.78	62.28	.0988

#1	.0016	-0.008	.0239	.0004	.0010	.0000	-0.012	-0.003	.0351
#2	.0018	.0010	.0240	.0008	.0009	.0000	-0.024	-0.001	.0352
#3	.0006	-0.010	.0239	.0006	.0010	.0000	-0.011	-0.001	.0351

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2253.4	4560.9	37114.	4320.6
Stddev	2.9	10.9	69.	25.9
%RSD	.12825	.23825	.18496	.59924

#1	2252.8	4555.6	37180.	4346.3
#2	2250.9	4573.4	37119.	4294.5
#3	2256.6	4553.7	37043.	4320.9

Sample Name: MP30151-SD1 Acquired: 3/22/2016 13:42:23 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_3600)	Cr2677 (Y_3600)
Avg	-0.003	0.167	0.020	0.661	-0.002	3.746	0.002	0.012	0.002
Stddev	.0003	.0322	.0022	.0010	.0003	.0133	.0001	.0003	.0011
%RSD	83.52	193.2	106.6	1.567	129.1	3.549	56.69	24.96	562.3

#1	-0.001	-0.015	.0003	.0651	-0.001	.3683	.0003	.0009	.0014
#2	-0.003	-0.023	.0044	.0659	-0.005	.3655	.0001	.0011	-0.009
#3	-0.006	.0538	.0014	.0671	.0000	.3898	.0001	.0015	.0001

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	0.029	2.771	1.998	0.241	0.019	-0.017	167.7	0.052	0.036
Stddev	.0015	.0057	.1196	.0714	.0003	.0004	-1.	.0001	.0024
%RSD	51.23	2.058	59.86	296.8	2.314	21.75	.0513	1.617	66.94

#1	.0045	.2705	.3115	.0081	.0107	-0.013	167.6	.0052	.0016
#2	.0018	.2802	.2144	.0256	.0112	-0.019	167.6	.0053	.0063
#3	.0023	.2806	.0736	-0.1059	.0108	-0.018	167.8	.0053	.0030

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	-0.009	-0.005	0.195	0.007	0.009	-0.009	-0.028	-0.005	0.0730
Stddev	.0025	.0006	.0031	.0011	.0003	.0001	.0045	.0008	.0003
%RSD	275.4	112.3	15.80	159.1	33.87	13.80	161.7	164.6	.4360

#1	-0.0021	-0.007	.0224	.0004	.0006	-0.007	-0.073	.0004	.0734
#2	-0.0026	-0.001	.0198	.0019	.0008	-0.009	-0.028	-0.010	.0728
#3	.0020	-0.011	.0163	-0.002	.0012	-0.010	.0017	-0.008	.0728

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2511.8	4884.2	39850.	4381.2
Stddev	3.6	7.0	108.	19.2
%RSD	.14468	.14423	.27224	.43937

#1	2507.7	4879.6	39833.	4393.8
#2	2514.5	4880.6	39966.	4359.0
#3	2513.3	4892.3	39751.	4390.7

Sample Name: MP30151-S1 Acquired: 3/22/2016 13:46:55 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.522	30.27	2.252	2.335	0.578	28.10	0.573	5.615	2.272
Stddev	0.007	.07	.005	.008	.0004	.11	.0001	.0015	.0014
%RSD	1.310	.2368	.2383	.3386	.6726	.3790	.2291	.2633	.6317
#1	.0528	30.19	2.258	2.326	.0574	28.00	.0573	5.628	.2271
#2	.0524	30.31	2.247	2.342	.0580	28.22	.0571	5.599	.2258
#3	.0515	30.31	2.252	2.336	.0580	28.09	.0574	5.618	.2286
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.934	29.41	27.88	27.78	5.826	5.412	F 206.9	5.684	5.386
Stddev	0.006	.07	.07	.09	.0014	.0013	1.1	.0014	.0007
%RSD	.2106	.2545	.2658	.3295	.2450	.2340	.5262	.2548	.1368
#1	.2932	29.34	27.80	27.70	.5831	.5425	206.0	5.690	5.386
#2	.2941	29.49	27.94	27.88	.5810	.5400	206.5	5.668	5.379
#3	.2929	29.41	27.91	27.76	.5837	.5413	208.1	5.695	5.394
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.596	2.303	0.492	5.404	5.348	5.409	2.103	5.250	6.048
Stddev	0.027	.010	.0010	.0016	.0017	.0022	.006	.0026	.0017
%RSD	.4866	.4421	2.126	.2998	.3097	.4047	.2990	.4932	.2893
#1	.5627	2.314	.0504	5.389	.5330	5.411	2.102	5.241	.6040
#2	.5582	2.294	.0483	5.402	.5363	5.386	2.097	5.230	.6036
#3	.5578	2.300	.0491	5.421	.5351	5.429	2.110	5.280	.6068
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2144.8	4517.6	36935.	4128.3					
Stddev	3.2	14.1	171.	16.7					
%RSD	.14735	.31142	.46295	.40444					
#1	2141.9	4501.4	36890.	4146.9					
#2	2148.2	4525.4	37124.	4114.6					
#3	2144.4	4526.1	36790.	4123.3					

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Sample Name: MP30151-S2 Acquired: 3/22/2016 13:51:16 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.525	29.91	2.240	2.324	0.570	27.78	0.569	5.577	2.255
Stddev	0.006	.01	.007	.005	.0003	.06	.0001	.0015	.0019
%RSD	1.110	.0383	.3205	.2215	.5284	.1982	.2156	.2728	.8436
#1	.0521	29.90	2.231	2.320	.0567	27.75	.0568	5.560	.2260
#2	.0522	29.92	2.244	2.323	.0570	27.84	.0570	5.581	.2234
#3	.0532	29.91	2.244	2.330	.0573	27.75	.0571	5.589	.2271
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.877	29.09	27.68	27.25	5.830	5.353	F 202.2	5.652	5.351
Stddev	0.003	.05	.07	.11	.0022	.0024	2.4	.0005	.0006
%RSD	.0910	.1600	.2379	.4028	.3776	.4446	1.175	.0914	.1180
#1	.2879	29.03	27.62	27.27	.5851	5.326	202.4	5.647	5.345
#2	.2878	29.12	27.75	27.35	.5807	5.362	204.4	5.651	5.358
#3	.2874	29.10	27.66	27.13	.5831	5.371	199.7	5.657	5.351
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.546	2.291	0.518	5.359	5.281	5.324	2.090	5.226	6.027
Stddev	0.025	.013	.0009	.0004	.0013	.0009	.002	.0018	.0013
%RSD	.4571	.5630	1.645	.0743	.2448	.1677	.0697	.3495	.2166
#1	.5540	2.279	.0527	5.358	.5272	5.329	2.092	5.233	.6012
#2	.5524	2.291	.0516	5.355	.5275	5.313	2.090	5.205	.6035
#3	.5573	2.305	.0510	5.363	.5296	5.328	2.089	5.239	.6034
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2155.1	4544.6	37085.	4188.0					
Stddev	3.6	5.0	145.	14.4					
%RSD	.16566	.11021	.39173	.34324					
#1	2151.5	4550.2	37055.	4183.1					
#2	2155.3	4543.1	37243.	4176.7					
#3	2158.6	4540.5	36957.	4204.2					

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7.2
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Sample Name: FA32293-1L Acquired: 3/22/2016 13:55:38 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.001	1.486	-0.013	0.291	0.000	1.626	-0.001	0.001	0.003
Stddev	.0002	.0080	.0002	.0003	.0001	.0019	.0001	.0000	.0001
%RSD	216.6	5.368	14.53	1.084	289.8	1.182	47.39	58.14	31.90
#1	.0001	1.433	-0.011	.0292	.0000	.1619	-0.001	.0000	.0003
#2	.0003	1.578	-0.013	.0288	.0000	.1648	-0.002	.0001	.0004
#3	-0.001	1.447	-0.015	.0294	.0001	.1611	-0.001	.0001	.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.008	0.339	2.922	0.335	0.026	-0.001	F 159.3	0.002	0.005
Stddev	.0002	.0039	.0160	.0070	.0000	.0001	.6	.0001	.0011
%RSD	23.36	11.43	5.469	20.78	.8645	39.54	.3573	62.02	213.3
#1	.0006	.0382	.2739	.0385	.0026	-0.001	159.9	.0001	.0015
#2	.0009	.0327	.3032	.0366	.0027	-0.002	158.8	.0003	-0.006
#3	.0008	.0308	.2996	.0256	.0027	-0.002	159.2	.0001	.0006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.006	-0.003	0.095	0.006	0.013	0.011	0.002	-0.001	0.008
Stddev	.0008	.0008	.0010	.0001	.0001	.0001	.0009	.0001	.0000
%RSD	136.6	331.4	1.051	11.69	4.840	9.416	379.7	105.3	5.613
#1	-0.003	.0007	.0983	.0005	.0014	.0010	.0004	.0000	.0008
#2	.0008	-0.0008	.1002	.0006	.0013	.0012	.0010	-0.001	.0008
#3	.0012	-0.0006	.1001	.0006	.0013	.0011	-0.007	-0.002	.0009
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2287.7	4645.9	37469.	4153.2					
Stddev	3.3	11.6	105.	12.1					
%RSD	.14268	.24957	.28110	.29040					
#1	2290.6	4658.4	37568.	4165.9					
#2	2288.2	4643.6	37479.	4151.7					
#3	2284.2	4635.5	37358.	4141.9					

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Sample Name: FA32314-6 Acquired: 3/22/2016 14:00:18 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.539	-0.011	0.055	0.000	80.52	0.000	0.001	0.003
Stddev	.0002	.0025	.0007	.0003	.000	.35	.000	.0001	.0002
%RSD	167.1	4.582	61.24	5.326	155.9	4.358	51.50	98.82	61.62
#1	.0001	.0565	-0.019	.0054	-0.001	80.47	.0000	.0001	.0005
#2	-0.002	.0515	-0.010	.0058	.0000	80.89	.0000	.0000	.0001
#3	-0.002	.0538	-0.005	.0052	.0000	80.20	.0000	.0001	.0004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.007	0.152	2.133	5.449	0.089	0.000	F 161.8	0.001	0.008
Stddev</									

Sample Name: FA32365-2 Acquired: 3/22/2016 14:04:59 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.0134	-.0013	.0151	-.0001	83.11	-.0001	.0003	.0004
Stddev	.0002	.0087	.0010	.0002	.0000	.44	.0001	.0001	.0001
%RSD	286.0	64.62	73.66	1.644	28.86	.5235	72.95	19.03	19.85
#1	.0001	.0224	-.0017	.0148	-.0001	83.42	.0000	.0003	.0004
#2	-.0001	.0129	-.0002	.0152	.0000	83.29	-.0001	.0002	.0004
#3	.0002	.0051	-.0021	.0152	-.0001	82.61	-.0001	.0004	.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0009	.0368	1.530	8.335	.9197	.0002	F 160.0	.0014	.0003
Stddev	.0003	.0018	.030	.079	.0044	.0000	1.3	.0002	.0003
%RSD	29.31	4.979	1.943	.9518	.4821	28.92	.8413	13.75	98.53
#1	.0011	.0359	1.547	8.388	.9210	.0002	160.9	.0016	.0000
#2	.0010	.0389	1.546	8.373	.9147	.0002	160.7	.0012	.0005
#3	.0006	.0356	1.495	8.243	.9233	.0001	158.5	.0013	.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0006	-.0007	.2824	.0009	.0217	.0010	-.0016	.0001	.0017
Stddev	.0002	.0011	.0030	.0003	.0001	.0001	.0007	.0001	.0001
%RSD	27.26	146.2	1.064	29.56	.5076	8.308	42.32	94.18	6.235
#1	.0005	-.0019	.2813	.0013	.0217	.0009	-.0024	.0002	.0017
#2	.0006	.0001	.2801	.0008	.0216	.0010	-.0011	.0002	.0019
#3	.0008	-.0003	.2858	.0007	.0218	.0011	-.0013	.0000	.0017
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2210.6	4502.1	37069.	4095.7					
Stddev	8.4	12.3	104.	57.7					
%RSD	.38111	.27374	.28036	1.4095					
#1	2220.2	4513.1	37077.	4065.8					
#2	2207.0	4504.3	37168.	4059.0					
#3	2204.5	4488.8	36961.	4162.2					

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Sample Name: CCV Acquired: 3/22/2016 14:09:38 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2569	40.37	2.017	2.019	2.006	40.35	2.056	2.059	2.027
Stddev	.0005	.12	.001	.009	.005	.03	.001	.002	.012
%RSD	.1757	.2878	.0679	.4641	.2368	.0632	.0434	.0744	.6016
#1	.2568	40.50	2.016	2.028	2.009	40.32	2.055	2.058	2.040
#2	.2574	40.31	2.018	2.020	2.008	40.37	2.056	2.060	2.025
#3	.2565	40.30	2.019	2.009	2.000	40.34	2.057	2.060	2.016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.003	39.48	39.91	40.10	2.028	2.046	39.79	2.036	1.978
Stddev	.002	.02	.13	.18	.009	.004	.17	.001	.004
%RSD	.0933	.0589	.3350	.4387	.4550	.1853	.4178	.0708	.2122
#1	2.005	39.50	40.05	40.00	2.038	2.041	39.94	2.034	1.982
#2	2.001	39.49	39.79	39.99	2.026	2.047	39.81	2.035	1.975
#3	2.004	39.45	39.88	40.30	2.020	2.049	39.61	2.037	1.976
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.003	2.033	2.493	2.024	2.001	1.990	1.975	1.985	2.046
Stddev	.003	.003	.004	.000	.006	.005	.001	.007	.004
%RSD	.1551	.1481	.1742	.0105	.3162	.2635	.0729	.3411	.0970
#1	2.005	2.030	2.488	2.025	2.007	1.996	1.974	1.992	2.048
#2	2.003	2.036	2.496	2.024	2.002	1.987	1.974	1.984	2.041
#3	1.999	2.033	2.496	2.024	1.995	1.986	1.976	1.979	2.047
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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7.2
7

Sample Name: CCV Acquired: 3/22/2016 14:09:38 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2217.6	4677.9	38764.	4210.7
Stddev	5.5	9.6	180.	16.6
%RSD	.24596	.20430	.46553	.39366
#1	2215.3	4685.7	38558.	4205.3
#2	2213.7	4667.2	38891.	4229.4
#3	2223.9	4680.7	38844.	4197.6

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Sample Name: CCB Acquired: 3/22/2016 14:13:50 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	.0073	.0004	.0001	.0002	.0053	.0002	.0003	.0002
Stddev	.0003	.0089	.0003	.0003	.0000	.0015	.0000	.0000	.0002
%RSD	128.1	122.7	78.06	305.1	28.40	27.48	10.85	16.12	103.0
#1	-.0006	.0163	.0003	.0001	.0001	.0069	.0002	.0003	.0002
#2	-.0001	.0071	.0008	-.0002	.0002	.0043	.0002	.0003	.0000
#3	.0000	-.0016	.0002	.0004	.0002	.0046	.0001	.0002	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0233	.0282	.0005	.0002	F .0015	.0300	.0003	.0003
Stddev	.0001	.0035	.0083	.0185	.0000	.0004	.0105	.0000	.0002
%RSD	134.8	15.24	29.36	3650.	9.353	29.36	34.91	12.02	63.79
#1	.0000	.0274	.0372	-.0057	.0002	.0020	.0389	.0003	.0006
#2	-.0003	.0215	.0208	.0214	.0002	.0015	.0185	.0003	.0003
#3	-.0001	.0210	.0268	-.0141	.0001	.0011	.0327	.0003	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0001	-.0005	.0003	.0002	.0017	.0011	.0002	.0003
Stddev	.0003	.0009	.0001	.0001	.0000	.0001	.0007	.0001	.0000
%RSD	45.94	1287.	14.16	27.86	8.781	5.441	64.04	53.15	7.678
#1	.0010	.0011	-.0005	.0003	.0002	.0018	.0019	.0001	.0003
#2	.0004	-.0008	-.0004	.0004	.0002	.0017	.0006	.0002	.0003
#3	.0006	-.0001	-.0005	.0003	.0003	.0016	.0008	.0002	.0003
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 3/22/2016 14:13:50 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2652.7	4991.5	4160.3	4381.8
Stddev	9.8	7.0	216.	11.3
%RSD	.36936	.14084	.51821	.25743

#1	2641.6	4999.4	41678.	4385.5
#2	2660.1	4989.0	41771.	4369.1
#3	2656.4	4986.0	41360.	4390.8

Sample Name: FA32365-3 Acquired: 3/22/2016 14:18:23 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	.0267	-0.009	.0238	.0000	62.29	-0.001	.0006	.0006
Stddev	.0005	.0079	.0004	.0002	.000	.36	.0000	.0000	.0003
%RSD	201.6	29.69	45.49	.7835	234.2	.5842	12.33	4.424	42.20

#1	.0003	.0289	-.0010	.0240	.0000	62.58	-.0001	.0006	.0006
#2	-.0005	.0179	-.0004	.0238	.0000	62.41	-.0001	.0006	.0003
#3	-.0005	.0332	-.0012	.0237	-.0001	61.88	-.0001	.0006	.0008

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0009	.0476	3.722	6.220	1.054	.0007	F 146.3	.0025	.0007
Stddev	.0003	.0001	.012	.110	.004	.0001	1.0	.0001	.0003
%RSD	29.23	.2455	.3200	1.767	.3313	14.72	.7077	5.783	40.71

#1	.0007	.0477	3.734	6.326	1.053	.0007	147.4	.0025	.0010
#2	.0008	.0475	3.723	6.228	1.051	.0006	145.3	.0023	.0005
#3	.0012	.0475	3.710	6.106	1.058	.0007	146.3	.0026	.0006

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0010	.0005	.2650	.0011	.0145	.0016	-.0014	-.0001	.0037
Stddev	.0006	.0005	.0016	.0002	.0001	.0001	.0018	.0001	.0001
%RSD	63.90	100.6	.6212	22.96	.9055	6.367	128.6	85.92	1.855

#1	.0016	.0011	.2648	.0013	.0145	.0017	.0006	.0000	.0037
#2	.0008	.0005	.2635	.0011	.0147	.0016	-.0030	-.0001	.0037
#3	.0005	.0000	.2668	.0008	.0144	.0015	-.0019	-.0001	.0036

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2256.0	4532.8	3774.6	4202.4
Stddev	9.9	15.5	169.	18.4
%RSD	.43883	.34164	.44780	.43779

#1	2249.9	4523.0	3778.7	4183.5
#2	2267.5	4550.6	3789.2	4203.5
#3	2250.8	4524.7	3756.1	4220.3

7.2
7

Sample Name: MP30151-D2 Acquired: 3/22/2016 14:23:03 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	.1474	-0.0015	.0287	.0000	.1619	-0.0001	.0001	.0002
Stddev	.0003	.0020	.0007	.0003	.0000	.0021	.0000	.0000	.0002
%RSD	74.61	1.389	47.77	1.090	158.1	1.306	36.56	57.55	125.5

#1	-.0006	.1453	-.0007	.0285	.0000	.1644	-.0001	.0000	.0001
#2	-.0001	.1494	-.0020	.0290	.0000	.1609	-.0001	.0001	.0000
#3	-.0003	.1475	-.0017	.0285	.0000	.1605	.0000	.0001	.0004

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0004	.0243	.2537	.0403	.0026	-0.0002	F 158.4	.0000	.0003
Stddev	.0001	.0024	.0097	.0132	.0000	.0000	1.6	.0001	.0004
%RSD	32.92	9.973	3.835	32.70	1.041	23.66	.9969	231.9	161.7

#1	.0004	.0215	.2426	.0548	.0025	-.0002	158.0	.0000	.0002
#2	.0006	.0257	.2607	.0291	.0026	-.0002	160.1	.0000	-.0001
#3	.0003	.0256	.2579	.0371	.0026	-.0003	157.0	.0002	.0007

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0009	-.0004	.1061	.0007	.0013	.0007	-.0018	.0000	.0011
Stddev	.0006	.0005	.0014	.0003	.0000	.0001	.0010	.000	.0001
%RSD	70.97	133.1	1.305	46.66	2.697	12.37	53.95	224.1	7.034

#1	.0004	.0002	.1052	.0005	.0013	.0006	-.0009	.0000	.0011
#2	.0007	-.0006	.1054	.0011	.0013	.0008	-.0017	-.0001	.0011
#3	.0016	-.0007	.1077	.0005	.0013	.0007	-.0028	.0000	.0012

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2323.6	4652.7	3871.5	4352.3
Stddev	2.0	7.4	82.	3.9
%RSD	.08512	.15908	.21298	.08852

#1	2321.9	4651.6	3877.2	4348.8
#2	2325.8	4645.9	3862.1	4356.4
#3	2323.1	4660.6	3875.2	4351.6

Sample Name: MP30151-MB2 Acquired: 3/22/2016 14:27:45 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	.0095	-0.0019	.0001	.0000	.0218	.0000	.0000	.0001
Stddev	.0003	.0039	.0007	.0001	.0001	.0021	.000	.0001	.0003
%RSD	146.2	41.35	34.28	126.7	303.4	9.786	134.7	784.7	314.6

#1	.0001	.0140	-.0016	.0002	.0001	.0241	.0000	.0001	.0000
#2	-.0004	.0071	-.0015	.0001	.0000	.0215	.0000	.0000	.0004
#3	-.0004	.0073	-.0027	.0000	.0000	.0198	-.0001	-.0001	-.0001

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0035	-0.001	.1289	-0.065	.0000	-0.0004	F 141.4	-0.001	.0004
Stddev	.0001	.0010	.0136	.0159	.0000	.0002	1.0	.0001	.0002
%RSD	4.125	135.6	10.56	243.4	61.08	45.84	.7034	200.6	57.73

#1	.0037	-.0004	.1244	-.0246	.0000	-.0004	142.3	.0000	.0002
#2	.0035	.0010	.1180	-.0003	.0001	-.0002	141.6	-.0002	.0003
#3	.0034	-.0008	.1441	.0053	.0000	-.0006	140.3	.0000	.0006

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0010	-.0001	.0189	.0005	.0001	-.0002	-.0019	-.0002	.0034
Stddev	.0017	.0006	.0006	.0003	.0001	.0000	.0012	.0000	.0000
%RSD	169.0	488.9	3.392	55.35	52.12	21.64	63.29	21.26	1.446

#1	-.0009	.0005	.0182	.0002	.0001	-.0001	-.0032	-.0002	.0034
#2	.0016	-.0004	.0189	.0006	.0001	-.0002	-.0009	-.0003	.0034
#3	.0023	-.0005	.0195	.0007	.0002	-.0002	-.0015	-.0002	.0035

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2361.4	4705.3	3859.4	4273.4
Stddev	10.6	9.4	241.	26.1
%RSD	.44887	.19912	.62344	.60969

#1	2368.5	4714.1	3860.2	4270.6
#2	2366.6	4706.3	3834.9	4248.9
#3	2349.2	4695.4	3883.0	4300.8

Sample Name: MP30151-B2 Acquired: 3/22/2016 14:32:27 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0504	29.40	2.121	2.192	.0553	26.79	.0550	.5454	.2220
Stddev	.0005	.21	.005	.009	.0002	.11	.0001	.0015	.0013
%RSD	1.028	.7086	.2500	.4059	.4323	.3993	.2691	.2839	.5998
#1	.0503	29.53	2.126	2.199	.0554	26.87	.0552	.5471	.2223
#2	.0510	29.16	2.121	2.182	.0551	26.67	.0550	.5440	.2205
#3	.0499	29.51	2.116	2.193	.0555	26.85	.0549	.5451	.2231
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2760	28.33	26.60	26.98	.5502	.5229	F 167.3	.5402	.5106
Stddev	.0006	.15	.09	.21	.0033	.0008	1.9	.0010	.0010
%RSD	.2250	.5236	.3441	.7609	.5928	.1596	1.156	.1914	.2022
#1	.2760	28.40	26.66	27.16	.5495	.5237	168.3	.5414	.5112
#2	.2754	28.16	26.50	26.76	.5474	.5230	165.0	.5397	.5094
#3	.2766	28.43	26.65	27.04	.5538	.5221	168.4	.5396	.5111
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	.5235	2.183	.0328	.5121	.5048	.5123	1.981	.5021	.5539
Stddev	.0017	.003	.0013	.0012	.0015	.0026	.007	.0025	.0009
%RSD	.3212	.1334	3.955	.2261	.3001	.5076	.3405	.5034	.1714
#1	.5223	2.185	.0339	.5134	.5058	.5120	1.988	.5018	.5550
#2	.5254	2.180	.0331	.5119	.5031	.5098	1.974	.4997	.5536
#3	.5227	2.183	.0314	.5111	.5057	.5150	1.982	.5047	.5532
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2245.8	4657.5	3771.6	4060.2					
Stddev	3.8	8.6	180.	28.3					
%RSD	.17032	.18523	.47817	.69708					
#1	2243.7	4648.2	3764.5	4043.5					
#2	2250.2	4665.2	3792.1	4092.8					
#3	2243.4	4659.2	3758.2	4044.2					

Sample Name: MP30151-MB3 Acquired: 3/22/2016 14:36:50 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	-0.004	-0.007	.0000	.0000	.0162	.0000	.0001	.0002
Stddev	.0002	.0070	.0002	.0001	.000	.0008	.000	.0001	.0003
%RSD	75.49	1855.	29.30	463.4	214.3	4.843	33.62	237.2	113.4
#1	-0.004	-0.032	-0.005	.0001	.0000	.0154	.0000	-0.001	.0000
#2	-0.005	.0076	-0.006	-0.001	.0000	.0163	.0000	.0000	.0002
#3	.0000	-0.055	-0.009	.0001	.0000	.0170	-0.001	.0002	.0005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0005	.0133	.1085	.0024	.0000	-0.0002	F 156.9	.0001	.0001
Stddev	.0001	.0018	.0123	.0145	.0000	.0001	2.3	.0001	.0003
%RSD	28.05	13.67	11.33	611.8	55.62	60.27	1.498	107.2	189.1
#1	.0003	.0151	.1194	.0116	.0001	.0000	154.2	.0000	.0003
#2	.0006	.0114	.0952	.0099	.0000	-0.002	158.6	.0002	-0.002
#3	.0006	.0133	.1109	-0.0144	.0000	-0.002	157.8	.0000	.0002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0006	-0.0005	.0213	.0006	.0001	.0001	.0010	-0.0002	.0006
Stddev	.0008	.0012	.0023	.0001	.0001	.0000	.0005	.0001	.0000
%RSD	123.3	244.5	10.89	18.58	66.21	33.15	47.79	41.32	4.439
#1	.0009	-0.005	.0236	.0007	.0001	.0001	.0012	-0.003	.0006
#2	-0.002	.0007	.0189	.0005	.0000	.0001	.0014	-0.001	.0006
#3	.0013	-0.017	.0214	.0006	.0001	.0002	.0005	-0.002	.0006
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2310.3	4608.2	3796.4	4146.1					
Stddev	2.2	10.8	110.	7.5					
%RSD	.09485	.23417	.28886	.17997					
#1	2308.3	4596.4	38088.	4154.7					
#2	2310.0	4617.5	3792.7	4141.5					
#3	2312.6	4610.8	3787.8	4142.2					

Sample Name: MP30151-B3 Acquired: 3/22/2016 14:41:33 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0505	29.17	2.171	2.210	.0549	26.75	.0560	.5525	.2208
Stddev	.0004	.16	.009	.004	.0003	.19	.0000	.0005	.0019
%RSD	.7510	.5439	.4346	.1811	.4653	.7054	.0609	.0938	.8500
#1	.0505	29.27	2.182	2.213	.0551	26.82	.0560	.5520	.2187
#2	.0501	28.99	2.168	2.206	.0546	26.53	.0561	.5530	.2223
#3	.0509	29.27	2.164	2.211	.0551	26.89	.0560	.5524	.2215
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2799	27.98	26.57	26.43	.5533	.5282	F 182.3	.5489	.5247
Stddev	.0014	.18	.16	.20	.0025	.0010	3.2	.0009	.0011
%RSD	.4884	.6351	.6133	.7646	.4596	.1882	1.761	.1646	.2103
#1	.2809	28.01	26.66	26.46	.5504	.5271	182.2	.5497	.5240
#2	.2784	27.79	26.38	26.22	.5552	.5290	179.1	.5492	.5240
#3	.2805	28.14	26.66	26.62	.5544	.5285	185.5	.5479	.5259
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5295	2.225	.0349	.5228	.5041	.5090	2.022	.5046	.5700
Stddev	.0018	.006	.0009	.0005	.0029	.0006	.011	.0022	.0010
%RSD	.3483	.2720	2.438	.1004	.5780	.1168	.5613	.4447	.1707
#1	.5292	2.227	.0356	.5224	.5058	.5088	2.010	.5020	.5696
#2	.5314	2.230	.0340	.5227	.5008	.5086	2.033	.5059	.5694
#3	.5278	2.219	.0352	.5234	.5058	.5097	2.024	.5060	.5712
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2196.9	4603.2	3776.5	4183.7					
Stddev	4.5	11.5	176.	21.7					
%RSD	.20635	.25018	.46500	.51851					
#1	2192.4	4595.1	3796.7	4174.4					
#2	2196.8	4598.0	3766.3	4208.5					
#3	2201.4	4616.4	3766.4	4168.2					

Sample Name: MP30149-MB1 Acquired: 3/22/2016 14:45:56 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.008	-0.014	-0.009	-0.006	.0001	.0680	-0.003	.0003	.0004
Stddev	.0008	.0278	.0009	.0005	.0001	.0112	.0002	.0003	.0003
%RSD	90.01	2048.	91.44	74.72	170.5	16.45	82.00	95.00	90.63
#1	-0.017	-0.071	-0.012	-0.001	.0002	.0637	-0.001	.0007	.0000
#2	-0.004	.0289	-0.017	-0.011	-0.001	.0596	-0.002	.0001	.0005
#3	-0.004	-0.0259	.0000	-0.007	.0001	.0806	-0.005	.0002	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Sample Name: MP30149-MB1 Acquired: 3/22/2016 14:45:56 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2583.7	4915.3	4079.4	4119.1
Stddev	2.8	8.4	91.	35.3
%RSD	.10892	.17114	.22193	.85717
#1	2586.0	4923.8	4077.8	4107.5
#2	2584.6	4907.0	4071.2	4091.0
#3	2580.6	4915.3	4089.1	4158.7

Sample Name: MP30149-B1 Acquired: 3/22/2016 14:50:30 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0492	30.93	2.167	2.256	.0573	28.63	.0591	F .6001	.2367
Stddev	.0016	.14	.004	.008	.0005	.06	.0007	.0031	.0004
%RSD	3.200	.4415	.1663	.3454	.8591	.2072	1.132	.5152	.1561
#1	.0483	30.86	2.172	2.264	.0577	28.58	.0583	.5968	.2370
#2	.0482	30.84	2.166	2.248	.0574	28.69	.0594	.6005	.2363
#3	.0510	31.09	2.165	2.257	.0567	28.61	.0595	.6030	.2367
Check ? Value Range	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail 5000 20.00%	Chk Pass
Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.2853	30.12	27.78	28.51	.5822	.5532	27.79	.5334	.5318
Stddev	.0035	.11	.12	.10	.0020	.0031	.09	.0024	.0010
%RSD	1.242	.3707	.4218	.3474	.3475	.5595	.3307	.4035	.1877
#1	.2857	29.99	27.91	28.61	.5843	.5505	27.69	.5918	.5322
#2	.2887	30.20	27.75	28.41	.5802	.5526	27.81	.5921	.5307
#3	.2816	30.16	27.68	28.51	.5821	.5566	27.88	.5961	.5325
Check ? Value Range	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.5206	2.213	.0663	F .6100	.5269	.5402	2.143	.5222	F .6319
Stddev	.0103	.021	.0035	.0021	.0001	.0013	.010	.0029	.0034
%RSD	1.976	.9349	5.349	.3524	.0280	.2488	.4500	.5621	.5395
#1	.5089	2.190	.0623	.6094	.5269	.5399	2.144	.5227	.6300
#2	.5250	2.219	.0677	.6081	.5268	.5390	2.133	.5190	.6299
#3	.5280	2.229	.0690	.6123	.5271	.5417	2.152	.5248	.6358
Check ? Value Range	Chk Pass	Chk Pass	None	Chk Fail 5000 20.00%	None	None	Chk Pass	Chk Pass	Chk Fail 5000 20.00%

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Sample Name: MP30149-B1 Acquired: 3/22/2016 14:50:30 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2507.0	4869.5	3987.3	4055.5
Stddev	6.0	15.2	236.	20.9
%RSD	.23866	.31172	.59088	.51571
#1	2513.8	4886.6	3962.2	4070.3
#2	2504.8	4857.7	4009.0	4031.6
#3	2502.5	4864.1	3990.8	4064.7

Sample Name: FA31669-2 Acquired: 3/22/2016 14:54:49 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-.0014	574.5	.1077	2.313	.0142	67.72	-.0024	.1176	.8244
Stddev	.0006	1.6	.0065	.010	.0002	.09	.0003	.0003	.0073
%RSD	43.85	.2750	6.003	4.150	1.319	.1387	11.46	.2226	.8835
#1	-.0016	576.2	.1014	2.324	.0141	67.70	-.0021	.1173	.8286
#2	-.0007	573.0	.1073	2.310	.0142	67.63	-.0027	.1175	.8287
#3	-.0019	574.5	.1143	2.306	.0145	67.82	-.0024	.1179	.8160
Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.1968	370.3	29.24	63.05	6.872	.0057	3.983	.6187	.6753
Stddev	.0019	.5	.17	.53	.038	.0005	.003	.0008	.0030
%RSD	.9854	.1436	.5828	.8401	.5541	9.442	.0781	.1222	.4445
#1	.1980	370.1	29.04	62.62	6.873	.0051	3.980	.6182	.6785
#2	.1945	369.8	29.35	62.89	6.909	.0060	3.983	.6196	.6748
#3	.1977	370.9	29.31	63.64	6.833	.0060	3.987	.6183	.6725
Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.0048	-.0034	4.670	.0443	.9043	14.80	.0007	.6964	.6619
Stddev	.0063	.0037	.004	.0006	.0014	.07	.0090	.0043	.0013
%RSD	131.7	107.7	.0902	1.413	.1533	.4437	1250.	.6176	.2034
#1	.0110	-.0004	4.668	.0444	.9049	14.86	-.0057	.6986	.6604
#2	-.0015	-.0023	4.667	.0436	.9052	14.82	.0111	.6991	.6629
#3	.0048	-.0075	4.675	.0448	.9027	14.73	-.0032	.6914	.6625
Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S					
Avg	2420.1	5074.0	4104.5	4217.4					
Stddev	4.5	4.9	254.	19.7					
%RSD	.18577	.09714	.61978	.46728					
#1	2415.5	5073.1	4092.2	4215.8					
#2	2424.5	5079.3	4087.6	4237.9					
#3	2420.2	5069.6	4133.8	4198.6					

Sample Name: MP30149-D1 Acquired: 3/22/2016 14:59:11 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	488.5	.0941	2.211	.0128	62.36	-0.015	.1076	.7358
Stddev	.0015	.5	.0054	.004	.0002	.19	.0002	.0008	.0036
%RSD	271.9	.1083	5.783	.2024	1.658	.3044	15.22	.7663	.4885
#1	-.0005	488.3	.0893	2.208	.0130	62.55	-.0014	.1085	.7334
#2	-.0009	489.1	.0930	2.209	.0126	62.17	-.0014	.1069	.7340
#3	-.0021	488.1	.1000	2.216	.0129	62.36	-.0018	.1073	.7399
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1820	345.5	26.60	56.58	6.573	.0054	3.487	.5303	.6635
Stddev	.0023	.5	.10	.14	.019	.0002	.042	.0024	.0048
%RSD	1.252	.1332	.3854	.2522	.2829	2.825	1.204	.4560	.7165
#1	.1842	346.0	26.72	56.57	6.554	.0053	3.514	.5328	.6670
#2	.1796	345.2	26.55	56.73	6.573	.0053	3.439	.5280	.6581
#3	.1821	345.2	26.54	56.45	6.591	.0056	3.509	.5299	.6653
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0036	.0011	4.606	.0433	.8628	13.14	.0036	.6420	.6112
Stddev	.0025	.0081	.009	.0002	.0020	.03	.0056	.0040	.0001
%RSD	70.85	735.4	.1946	.3669	.2310	.2420	155.3	.6295	.0168
#1	.0020	.0103	4.612	.0432	.8650	13.11	.0031	.6407	.6111
#2	.0023	-.0049	4.596	.0435	.8611	13.13	-.0017	.6387	.6113
#3	.0065	-.0021	4.611	.0433	.8622	13.18	.0095	.6465	.6112
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2422.7	5034.7	41374.	4368.7					
Stddev	2.6	14.3	64.	17.4					
%RSD	.10681	.28319	.15409	.39851					
#1	2425.4	5022.0	41425.	4356.7					
#2	2422.4	5032.0	41395.	4360.8					
#3	2420.3	5050.1	41303.	4388.7					

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Sample Name: CCV Acquired: 3/22/2016 15:03:31 Type: QC
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2539	40.48	1.997	2.025	1.975	39.71	2.067	2.075	2.028
Stddev	.0010	.16	.001	.004	.007	.22	.005	.003	.003
%RSD	.3764	.3995	.0661	.2182	.3811	.5624	.2290	.1534	.1357
#1	.2532	40.36	1.995	2.025	1.971	39.59	2.072	2.078	2.031
#2	.2550	40.66	1.998	2.030	1.984	39.97	2.066	2.075	2.025
#3	.2534	40.42	1.998	2.021	1.970	39.58	2.063	2.072	2.027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.977	39.26	39.36	39.40	1.992	2.060	39.35	2.026	1.952
Stddev	.007	.21	.15	.28	.005	.000	.16	.006	.004
%RSD	.3682	.5450	.3780	.6994	.2477	.0143	.4126	.3099	.1871
#1	1.975	39.06	39.33	39.15	1.997	2.060	39.37	2.033	1.950
#2	1.971	39.48	39.53	39.69	1.991	2.061	39.50	2.023	1.956
#3	1.985	39.23	39.24	39.36	1.987	2.060	39.17	2.022	1.949
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.970	2.021	2.464	1.996	1.961	1.952	1.941	1.944	2.050
Stddev	.002	.004	.003	.005	.007	.003	.004	.005	.008
%RSD	.1152	.2094	.1330	.2665	.3763	.1318	.2320	.2678	.3936
#1	1.972	2.023	2.466	2.002	1.961	1.952	1.938	1.949	2.059
#2	1.970	2.023	2.465	1.996	1.968	1.950	1.938	1.943	2.046
#3	1.968	2.016	2.460	1.991	1.953	1.955	1.946	1.939	2.044
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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Sample Name: CCV Acquired: 3/22/2016 15:03:31 Type: QC
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2240.4	4681.4	38888.	4176.4
Stddev	5.0	10.5	95.	34.9
%RSD	.22206	.22516	.24530	.83602
#1	2238.0	4674.3	38793.	4207.0
#2	2237.1	4676.5	38984.	4138.4
#3	2246.1	4693.6	38886.	4183.9

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Sample Name: CCB Acquired: 3/22/2016 15:07:42 Type: QC
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0083	.0007	.0004	.0002	.0030	.0003	.0004	.0003
Stddev	.0002	.0055	.0009	.0003	.0000	.0027	.0000	.0001	.0003
%RSD	123.7	65.41	124.5	62.62	19.99	88.17	12.83	15.66	103.1
#1	-.0002	.0048	-.0002	.0007	.0003	.0000	.0002	.0005	.0002
#2	-.0000	.0146	.0008	.0004	.0002	.0043	.0002	.0004	.0000
#3	-.0005	.0056	.0016	.0001	.0002	.0048	.0003	.0004	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	.0264	.0138	.0048	.0002	F .0017	.0052	.0004	.0005
Stddev	.0002	.0023	.0233	.0004	.0001	.0004	.0031	.0001	.0004
%RSD	119.0	8.670	168.5	8.183	32.52	25.08	60.63	25.44	78.61
#1	.0001	.0290	.0374	.0049	.0003	.0022	.0080	.0003	.0010
#2	-.0003	.0253	-.0091	.0051	.0002	.0016	.0056	.0005	.0002
#3	-.0003	.0249	.0130	.0043	.0001	.0014	.0018	.0003	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-.0010			
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	-.0004	-.0005	.0006	.0003	.0016	.0009	.0002	.0004
Stddev	.0001	.0019	.0002	.0001	.0001	.0001	.0002	.0002	.0001
%RSD	7.863	444.6	35.08	24.73	19.84	5.798	20.94	88.72	20.65
#1	.0017	-.0025	-.0003	.0007	.0002	.0017	.0010	.0002	.0004
#2	.0018	-.0001	-.0005	.0005	.0003	.0016	.0009	.0004	.0003
#3	.0016	.0013	-.0006	.0005	.0004	.0016	.0007	.0000	.0005
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 3/22/2016 15:07:42 Type: QC
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2613.1	4894.4	4083.1	4188.4
Stddev	8.3	4.9	68.	14.4
%RSD	.31946	.09912	.16752	.34393

#1	2609.0	4899.8	40789.	4176.9
#2	2607.5	4890.4	40793.	4183.6
#3	2622.7	4892.9	40909.	4204.6

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Sample Name: MP30149-D2 Acquired: 3/22/2016 15:12:15 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	604.5	1067	2.458	0.0152	70.38	-0.0025	1.247	8405
Stddev	.0003	.5	.0074	.006	.0002	.23	.0002	.0002	.0030
%RSD	12.70	.0904	6.975	.2600	1.285	.3321	9.222	.1633	.3589

#1	-0.024	605.1	1149	2.458	.0152	70.57	-0.0025	1.245	8410
#2	-0.021	604.1	1048	2.452	.0151	70.46	-0.0028	1.248	8433
#3	-0.018	604.2	1003	2.465	.0155	70.12	-0.0023	1.249	8373

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(In2306)
Avg	2090	390.1	30.67	65.28	7.125	0.0088	4.093	6.474	7026
Stddev	.0022	.9	.13	.09	.022	.0002	.016	.0009	.0021
%RSD	1.030	.2402	.4177	.1302	.3048	1.862	.3800	.1324	.2967

#1	.2079	391.0	30.81	65.19	7.142	.0089	4.086	6.467	7046
#2	.2114	390.2	30.62	65.35	7.134	.0090	4.082	6.470	7026
#3	.2076	389.2	30.57	65.31	7.101	.0087	4.111	6.483	7004

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.114	0.023	5.177	0.056	0.953	15.57	-0.017	7.268	6881
Stddev	.0015	.0091	.012	.0008	.0052	.09	.0046	.0016	.0029
%RSD	13.23	387.6	.2257	1.666	.5411	.5928	286.2	.2213	4.241

#1	.0117	.0054	5.165	.0506	.9612	15.48	-0.025	7.286	6914
#2	.0127	.0095	5.178	.0498	.9523	15.66	.0032	7.259	6859
#3	.0098	-0.0079	5.188	.0515	.9522	15.58	-0.0058	7.258	6870

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2409.7	5035.2	41030.	4249.7
Stddev	2.0	3.9	50.	16.4
%RSD	.08238	.07668	.12303	.38575

#1	2408.3	5030.7	41008.	4240.0
#2	2412.0	5036.9	40993.	4240.4
#3	2408.9	5037.8	41087.	4268.6

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Sample Name: MP30149-SD1 Acquired: 3/22/2016 15:16:44 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 25.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.0066	603.5	1097	2.457	0.0121	71.23	-0.0021	1.360	8644
Stddev	.0050	1.1	.0154	.009	.0000	.52	.0015	.0029	.0072
%RSD	76.04	.1783	14.03	.3674	.2376	.7233	73.00	2.149	.8287

#1	-0.0087	603.8	1166	2.449	.0121	71.61	-0.0030	1.394	8713
#2	-0.0009	604.4	1204	2.456	.0121	71.42	-0.0031	1.341	8649
#3	-0.0103	602.3	.0921	2.467	.0121	70.64	-0.0003	1.346	8570

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2033	394.2	30.54	64.68	7.239	-0.013	4.068	6.814	6972
Stddev	.0024	1.5	.63	1.22	.036	.0033	.059	.0027	.0087
%RSD	1.163	.3720	2.054	1.886	.4988	249.0	1.444	.4004	1.251

#1	.2059	395.6	31.22	65.81	7.253	.0004	4.131	.6782	6912
#2	.2012	394.5	30.43	64.85	7.266	.0008	4.015	.6827	7072
#3	.2029	392.7	29.98	63.39	7.198	-0.0051	4.058	.6832	6933

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0294	0.0058	5.162	0.0522	0.9561	15.61	-0.0026	7.300	9136
Stddev	.0155	.0340	.016	.0053	.0024	.04	.0065	.0114	.0037
%RSD	52.76	587.2	.3135	10.08	.2499	.2651	245.5	1.568	.4030

#1	.0141	-0.0328	5.160	.0487	.9555	15.65	.0029	7.254	9177
#2	.0290	0.0187	5.178	.0497	.9588	15.59	-0.0097	7.215	9108
#3	.0451	.0314	5.146	.0582	.9541	15.58	-0.0011	7.430	9122

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2523.2	4924.1	41138.	4270.4
Stddev	4.2	5.5	166.	39.4
%RSD	.16818	.11130	.40344	.92271

#1	2519.4	4930.4	41037.	4247.2
#2	2522.5	4920.6	41048.	4248.1
#3	2527.8	4921.3	41330.	4315.9

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Sample Name: MP30149-PS1 Acquired: 3/22/2016 15:21:11 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0470	568.4	1.994	2.582	0.0646	71.02	0.0493	1.687	8590
Stddev	.0018	.8	.0055	.002	.0002	.23	.0003	.0012	.0052
%RSD	3.791	.1409	2.759	.0658	.3741	.3304	.5834	.6851	6.111

#1	.0491	568.1	2.047	2.580	.0644	70.96	.0489	1.700	8554
#2	.0461	569.3	.1938	2.584	.0649	71.28	.0493	1.683	8566
#3	.0459	567.8	1.999	2.581	.0645	70.82	.0495	1.678	8650

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2940	365.7	38.56	65.51	6.815	1.047	13.72	7.115	7107
Stddev	.0013	1.0	.11	.47	.015	.0012	.07	.0016	.0004
%RSD	.4457	.2805	.2884	.7237	.2235	1.102	.5241	.2308	.0512

#1	.2928	365.6	38.59	65.14	6.798	.1033	13.63	7.129	7106
#2	.2938	366.8	38.64	66.04	6.825	.1053	13.77	7.120	7104
#3	.2954	364.7	38.43	65.35	6.823	.1054	13.75	7.097	7111

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.1060	0.0988	4.704	0.0897	0.9440	14.58	0.0857	7.328	9257
Stddev	.0015	.0123	.003	.0022	.0018	.03	.0070	.0017	.0017
%RSD	1.391	12.41	.0573	2.405	.1872	2.243	8.183	2.271	.1860

#1	.1044	.0943	4.707	.0920	.9455	14.55	.0890	7.311	9276
#2	.1073	.1127	4.701	.0878	.9421	14.60	.0904	7.329	9243
#3	.1063	.0895	4.704	.0893	.9445	14.60	.0777	7.344	9251

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2386.9	5000.4	40946.	4332.7
Stddev	3.4	8.4	79.	24.9
%RSD	.14082	.16760	.19180	.57523

#1	2383.0	4990.8	41017.	4340.4
#2	2389.2	5006.1	40862.	4304.9
#3	2388.4	5004.3	40960.	4352.9

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Sample Name: MP30149-S1 Acquired: 3/22/2016 15:25:31 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0452	627.5	1.984	4.514	.0677	95.73	.0503	.6449	1.015
Stddev	.0008	2.6	.019	.010	.0003	.53	.0008	.0015	.006
%RSD	1.766	.4188	.9717	.2117	.5047	.5559	1.596	.2294	.6345
#1	.0459	630.3	1.983	4.523	.0680	96.19	.0500	.6433	1.008
#2	.0453	625.2	1.965	4.504	.0673	95.15	.0512	.6461	1.020
#3	.0443	626.8	2.004	4.514	.0678	95.85	.0496	.6454	1.016
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4739	394.0	55.57	87.71	7.348	.4423	31.47	1.155	1.173
Stddev	.0015	1.9	.32	.75	.032	.0012	.01	.002	.002
%RSD	.3159	.4803	.5819	.8551	.4294	.2807	.0371	.1572	.2079
#1	.4723	396.1	55.61	88.32	7.313	.4430	31.47	1.153	1.172
#2	.4742	392.4	55.87	86.87	7.375	.4409	31.46	1.157	1.176
#3	.4753	393.6	55.23	87.95	7.356	.4430	31.48	1.156	1.171
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0855	1.975	2.500	.4896	1.430	14.30	1.922	1.144	1.489
Stddev	.0025	.021	.004	.0022	.005	.07	.005	.006	.003
%RSD	2.928	1.036	.1502	.4442	.3390	.4625	.2801	.5541	.1729
#1	.0882	1.954	2.499	.4874	1.436	14.23	1.923	1.136	1.486
#2	.0832	1.977	2.504	.4917	1.429	14.37	1.916	1.147	1.489
#3	.0851	1.994	2.497	.4897	1.427	14.31	1.926	1.147	1.491
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2371.2	4961.9	40584.	4304.9					
Stddev	4.6	3.1	212.	48.8					
%RSD	.19404	.06343	.52323	1.1337					
#1	2365.9	4958.2	40815.	4255.4					
#2	2373.5	4963.9	40396.	4352.9					
#3	2374.3	4963.5	40542.	4306.3					

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Sample Name: MP30149-S2 Acquired: 3/22/2016 15:29:48 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0466	615.1	2.052	4.550	.0689	92.98	.0512	.6600	1.038
Stddev	.0014	.5	.008	.002	.0004	.38	.0002	.0009	.009
%RSD	2.981	.0739	.3889	.0527	.5518	.4082	.3771	.1425	.8362
#1	.0482	614.7	2.042	4.550	.0691	92.75	.0512	.6594	1.029
#2	.0460	614.9	2.056	4.553	.0685	93.42	.0514	.6611	1.038
#3	.0456	615.6	2.057	4.548	.0692	92.77	.0510	.6595	1.046
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4727	400.4	54.56	88.15	7.293	.4834	29.76	1.151	1.179
Stddev	.0024	1.0	.08	.54	.050	.0021	.06	.002	.001
%RSD	.4990	.2564	.1437	.6076	.6849	.4410	.1928	.1892	.0861
#1	.4751	399.5	54.48	87.54	7.236	.4811	29.82	1.151	1.178
#2	.4726	400.2	54.64	88.36	7.314	.4854	29.77	1.153	1.180
#3	.4703	401.5	54.55	88.54	7.329	.4836	29.71	1.149	1.179
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Avg	.1599	2.025	4.651	.5230	1.420	15.07	1.988	1.169	1.182
Stddev	.0035	.015	.012	.0047	.002	.12	.008	.008	.002
%RSD	2.211	.7137	.2464	.9070	.1662	.8280	.4140	.7131	.1640
#1	.1565	2.009	4.654	.5218	1.422	14.93	1.994	1.160	1.182
#2	.1594	2.030	4.662	.5283	1.418	15.12	1.992	1.171	1.183
#3	.1636	2.036	4.639	.5190	1.418	15.16	1.979	1.177	1.180
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2399.8	5010.8	40938.	4289.4					
Stddev	1.4	6.4	263.	8.1					
%RSD	.05816	.12797	.64292	.18902					
#1	2401.2	5008.9	41241.	4297.2					
#2	2398.4	5005.5	40809.	4290.2					
#3	2399.7	5017.9	40764.	4281.0					

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7.2
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Sample Name: FA31669-6 Acquired: 3/22/2016 15:34:14 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0004	175.5	.0450	.9053	.0035	35.31	-.0012	.0425	.3538
Stddev	.0008	.4	.0020	.0019	.0001	.08	.0003	.0006	.0012
%RSD	199.3	.2500	4.491	2.149	3.430	.2299	26.03	1.426	.3351
#1	-.0004	175.4	.0471	.9037	.0034	35.21	-.0014	.0424	.3548
#2	-.0004	175.9	.0431	.9074	.0035	35.33	-.0009	.0419	.3525
#3	-.0012	175.0	.0448	.9047	.0036	35.37	-.0014	.0431	.3540
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1119	151.5	22.03	20.99	2.498	.0019	2.400	.1593	.9192
Stddev	.0008	.2	.11	.19	.009	.0002	.011	.0003	.0013
%RSD	.7065	.1054	.4963	.9009	.3389	10.73	.4454	.1817	.1452
#1	.1128	151.4	22.07	21.00	2.498	.0017	2.390	.1597	.9203
#2	.1116	151.7	21.91	20.80	2.489	.0022	2.400	.1591	.9196
#3	.1113	151.4	22.12	21.18	2.506	.0019	2.411	.1593	.9177
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0067	-.0004	4.464	.0430	.5095	7.248	.0000	.3303	.2540
Stddev	.0006	.0140	.008	.0014	.0009	.013	.005	.0013	.0017
%RSD	8.838	3152.	.1761	3.296	.1750	.1853	10360.	.4043	.6514
#1	.0070	-.0038	4.461	.0434	.5090	7.260	.0052	.3307	.2525
#2	.0071	.0149	4.459	.0414	.5105	7.234	-.0005	.3288	.2538
#3	.0060	-.0124	4.473	.0441	.5089	7.250	-.0048	.3314	.2558
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2537.5	5010.3	42218.	4384.2					
Stddev	4.4	9.2	199.	.8					
%RSD	.17338	.18388	.47116	.01783					
#1	2532.8	4999.7	42033.	4384.8					
#2	2538.3	5014.9	42428.	4383.3					
#3	2541.5	5016.4	42194.	4384.4					

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Sample Name: FA31669-9 Acquired: 3/22/2016 15:38:37 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0017	193.0	.0277	1.337	.0033	53.35	-.0006	.0390	.2990
Stddev	.0008	.1	.0016	.006	.0002	.14	.0002	.0006	.0020
%RSD	48.27	.0433	5.964	4.591	6.408	2651	38.60	1.495	.6643
#1	-.0018	193.1	.0266	1.339	.0033	53.51	-.0004	.0383	.3007
#2	-.0008	193.1	.0296	1.330	.0031	53.30	-.0005	.0393	.2968
#3	-.0025	192.9	.0268	1.342	.0035	53.24	-.0008	.0393	.2995
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1534	149.2	20.17	17.66	4.105	.0031	2.251	1.693	.5216
Stddev	.0014	.3	.13	.03	.014	.0008	.017	.0005	.0021
%RSD	.9256	.2074	.6638	.1960	.3341	24.61	.7509	.3051	.3988
#1	.1525	149.5	20.28	17.63	4.121	.0026	2.260	.1697	.5238
#2	.1551	149.1	20.21	17.65	4.099	.0039	2.232	.1695	.5210
#3	.1527	148.9	20.02	17.70	4.096	.0027	2.262	.1687	.5198
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)						

Sample Name: FA31669-12 Acquired: 3/22/2016 15:42:59 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.015	351.6	0.414	4.020	0.088	93.57	-0.003	0.086	4946
Stddev	.0009	1.5	.0039	.020	.0002	.34	.0002	.0009	.0031
%RSD	63.77	4278	9.456	.5072	2.826	.3639	52.52	1.148	.6242
#1	-.0009	352.8	.0458	4.029	.0087	93.64	-.0005	.0802	4945
#2	-.0009	352.2	.0386	4.034	.0085	93.87	-.0002	.0817	4978
#3	-.0026	350.0	.0397	3.997	.0090	93.20	-.0002	.0800	4917
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	2.148	282.2	19.09	29.48	9.206	0.078	3.273	3.385	1.025
Stddev	.0010	1.1	.16	.13	.037	.0008	.007	.0017	.012
%RSD	.4668	.4043	.8181	.4414	.4029	9.925	.2007	.4969	1.195
#1	.2145	283.1	19.12	29.54	9.209	.0071	3.265	.3377	1.039
#2	.2159	282.6	19.23	29.56	9.242	.0086	3.277	.3404	1.015
#3	.2140	281.0	18.92	29.33	9.168	.0077	3.276	.3373	1.020
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	0.061	-0.030	5.162	0.418	1.363	10.37	-0.022	6.159	3.567
Stddev	.0017	.0142	.014	.0016	.009	.02	.0058	.0026	.0008
%RSD	27.41	474.5	.2778	3.833	.6632	.1800	258.6	.4260	.2275
#1	.0047	-.0186	5.146	.0411	1.369	10.37	-.0089	.6178	.3574
#2	.0080	.0092	5.170	.0406	1.368	10.39	.0012	.6170	.3569
#3	.0057	.0004	5.171	.0436	1.353	10.36	.0009	.6129	.3558
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2436.8	4928.4	41263.	4357.5					
Stddev	10.1	14.2	156.	18.7					
%RSD	.41341	.28894	.37701	.42862					
#1	2425.2	4944.7	41216.	4337.9					
#2	2443.2	4918.0	41137.	4359.6					
#3	2442.0	4922.7	41437.	4375.0					

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Sample Name: FA31669-15 Acquired: 3/22/2016 15:47:20 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	284.3	0.352	2.682	0.066	80.51	-0.022	0.0648	4503
Stddev	.0004	1.1	.0059	.007	.0002	.24	.0001	.0004	.0060
%RSD	65.28	.3804	16.73	.2732	2.884	.2925	3.729	.5560	1.341
#1	-.0010	283.0	.0420	2.677	.0064	80.25	-.0021	.0652	4453
#2	-.0008	285.0	.0327	2.678	.0067	80.71	-.0023	.0647	4487
#3	-.0002	284.8	.0310	2.690	.0067	80.56	-.0023	.0646	4570
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	1.160	216.3	20.41	24.71	5.549	0.049	2.660	2.725	4.773
Stddev	.0005	.9	.19	.16	.039	.0002	.044	.0003	.0018
%RSD	.4245	.4131	.9500	.6301	.7105	4.795	1.640	.1110	.3754
#1	.1160	215.5	20.40	24.53	5.513	.0051	2.624	.2721	4.789
#2	.1166	217.3	20.61	24.75	5.542	.0046	2.709	.2727	4.777
#3	.1156	216.3	20.22	24.83	5.591	.0050	2.648	.2725	4.754
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	0.040	-0.026	3.457	0.409	1.063	9.367	-0.033	4.829	2.874
Stddev	.0085	.0043	.015	.0015	.000	.040	.0052	.0034	.0014
%RSD	213.1	161.7	4.240	3.763	.0192	4.250	155.1	.6948	.4845
#1	.0103	.0020	3.458	.0391	1.063	9.346	-.0010	.4790	.2890
#2	.0072	-.0064	3.442	.0418	1.063	9.342	-.0092	.4848	.2864
#3	-.0056	-.0036	3.471	.0418	1.063	9.413	.0003	.4849	.2868
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2465.4	4963.3	41112.	4250.4					
Stddev	6.8	5.8	254.	13.1					
%RSD	.27696	.11649	.61699	.30933					
#1	2472.7	4969.9	41309.	4265.4					
#2	2459.1	4959.6	41200.	4244.6					
#3	2464.5	4960.3	40825.	4241.1					

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7.2
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Sample Name: FA31669-18 Acquired: 3/22/2016 15:51:42 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.023	503.9	0.669	2.690	0.126	91.82	-0.036	1.181	6805
Stddev	.0003	2.5	.0005	.017	.0001	.64	.0005	.0002	.0044
%RSD	14.95	.5017	.8193	.6388	.8200	.6953	14.86	.1719	.6464
#1	-.0022	506.5	.0675	2.707	.0127	92.53	-.0042	1.180	.6779
#2	-.0020	503.7	.0666	2.691	.0125	91.61	-.0033	1.183	.6856
#3	-.0027	501.5	.0666	2.673	.0126	91.31	-.0032	1.180	.6780
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	1.221	319.9	33.92	40.15	6.911	0.059	3.375	4.886	1.909
Stddev	.003	1.7	.20	.26	.015	.0004	.017	.0006	.011
%RSD	.2305	.5436	.5840	.6522	.2092	6.883	.4938	.1248	.5600
#1	1.220	321.7	33.77	40.23	6.897	.0059	3.385	.4893	1.897
#2	1.220	320.0	34.15	40.37	6.926	.0063	3.383	.4885	1.918
#3	1.225	318.2	33.85	39.86	6.909	.0055	3.355	.4881	1.911
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	0.052	-0.0057	4.342	0.387	7.340	12.89	-0.027	6.642	6.514
Stddev	.0024	.0036	.015	.0017	.0036	.04	.0035	.0010	.0014
%RSD	45.64	62.88	.3376	4.298	.4924	.3360	127.7	.1497	.2082
#1	.0066	-.0052	4.326	.0368	.7371	12.84	-.0059	.6453	.6524
#2	.0025	-.0094	4.352	.0396	.7350	12.93	.0011	.6472	.6519
#3	.0065	-.0023	4.349	.0398	.7301	12.91	-.0034	.6461	.6498
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2426.5	5006.2	41223.	4254.4					
Stddev	4.7	1.9	97.	40.5					
%RSD	.19200	.03696	.23582	.95083					
#1	2429.9	5005.8	41296.	4218.7					
#2	2428.4	5008.2	41113.	4246.3					
#3	2421.2	5004.6	41261.	4298.4					

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Sample Name: CCV Acquired: 3/22/2016 15:56:02 Type: QC
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.550	41.21	2.004	2.058	1.983	39.55	2.094	2.120	2.019
Stddev	.0007	.29	.003	.016	.015	.35	.003	.004	.002
%RSD	.2578	.7089	.1409	.7689	.7536	.8820	.1432	.1732	.0770
#1	.2546	41.20	2.002	2.054	1.983	39.66	2.093	2.123	2.019
#2	.2546	40.92	2.007	2.045	1.969	39.16	2.097	2.121	2.017
#3	.2557	41.50	2.003	2.076	1.998	39.83	2.091	2.116	2.020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.996	39.76	39.10	39.41	1.959	2.108	39.34	2.038	1.944
Stddev	.002	.26	.25	.30	.				

Sample Name: CCV Acquired: 3/22/2016 15:56:02 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2243.4	4623.2	3911.0	4101.9
Stddev	1.4	12.7	81.	42.0
%RSD	.06379	.27501	.20615	1.0252
#1	2242.3	4609.6	3909.3	4091.1
#2	2242.8	4625.0	3919.8	4148.2
#3	2245.0	4634.8	3904.0	4066.2

Sample Name: CCB Acquired: 3/22/2016 16:00:13 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.001	0.030	0.011	0.003	0.002	0.070	0.002	0.004	0.002
Stddev	.0001	.0068	.0009	.0001	.0000	.0027	.0001	.0001	.0000
%RSD	154.5	224.5	79.24	43.84	5.232	38.28	26.14	26.94	22.73
#1	-0.001	-0.030	0.013	0.004	0.002	0.098	0.002	0.004	0.002
#2	-0.001	0.016	0.001	0.002	0.002	0.068	0.001	0.004	0.003
#3	0.001	0.0105	0.018	0.002	0.002	0.044	0.002	0.003	0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-0.004	0.040	0.082	0.010	0.002	F_0.015	-0.050	0.003	0.002
Stddev	.0000	.0050	.0133	.0259	.0000	.0004	.0041	.0002	.0004
%RSD	11.09	20.74	163.1	269.3	15.74	25.37	82.50	56.49	245.3
#1	-0.004	0.0297	-0.070	0.045	0.002	0.019	-0.013	0.002	0.006
#2	-0.004	0.021	0.135	-0.265	0.002	0.015	-0.043	0.002	-0.003
#3	-0.004	0.021	0.180	0.249	0.002	0.011	-0.095	0.004	0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	0.012	-0.004	-0.003	0.004	0.003	0.013	-0.004	0.003	0.002
Stddev	.0008	.0004	.0001	.0002	.0001	.0001	.0005	.0001	.0000
%RSD	72.76	102.7	42.01	44.67	24.34	9.785	119.9	47.53	13.10
#1	0.020	-0.006	-0.002	0.005	0.002	0.015	0.002	0.003	0.003
#2	0.011	0.001	-0.004	0.003	0.003	0.014	-0.007	0.005	0.003
#3	0.003	-0.008	-0.002	0.003	0.003	0.012	-0.006	0.002	0.002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.2
7

Sample Name: CCB Acquired: 3/22/2016 16:00:13 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2600.7	4837.0	4147.0	4287.8
Stddev	1.2	15.2	93.	22.6
%RSD	.04782	.31484	.22393	.52592
#1	2602.0	4853.4	4143.2	4282.7
#2	2599.5	4834.2	4157.6	4312.4
#3	2600.7	4823.4	4140.2	4268.2

Sample Name: FA31669-21 Acquired: 3/22/2016 16:04:46 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-0.015	419.1	0.068	2.277	0.099	38.06	-0.043	0.091	0.5870
Stddev	.0010	.4	.0033	.002	.0003	.19	.0005	.0010	.0041
%RSD	66.01	0.870	5.350	1.067	2.960	4.906	12.65	9.909	6.924
#1	-0.024	418.7	0.070	2.275	0.101	38.15	-0.038	0.1003	0.5823
#2	-0.015	419.3	0.026	2.279	0.095	38.18	-0.049	0.0986	0.5897
#3	-0.005	419.3	0.028	2.276	0.100	37.85	-0.042	0.0985	0.5890

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	0.860	277.8	30.58	34.92	3.563	0.084	3.077	0.4516	6.560
Stddev	.0019	.1	.18	.17	.010	.0007	.053	.0012	.014
%RSD	.2140	0.414	0.5879	0.4769	0.2908	8.114	1.726	0.2587	0.2065
#1	0.8964	277.6	30.38	34.77	3.552	0.092	3.051	0.4515	6.573
#2	0.8939	277.8	30.66	35.10	3.572	0.082	3.139	0.4527	6.546
#3	0.8976	277.8	30.71	34.88	3.564	0.078	3.043	0.4504	6.562

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	0.107	0.006	3.497	0.437	0.3846	11.26	-0.064	0.5831	0.5542
Stddev	.0013	.0033	.011	.0005	.0014	.01	.0063	0.0015	0.0023
%RSD	12.27	510.6	0.3161	1.131	0.3733	0.1193	99.94	0.2518	0.4232
#1	0.121	0.027	3.508	0.440	0.3834	11.24	-0.135	0.5833	0.5569
#2	0.095	0.024	3.497	0.431	0.3862	11.27	-0.040	0.5844	0.5532
#3	0.105	-0.031	3.486	0.439	0.3844	11.27	-0.015	0.5815	0.5526

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2451.2	4967.2	4124.4	4267.1
Stddev	5.9	16.3	230.	5.9
%RSD	0.23909	0.32862	0.55828	0.13780
#1	2444.7	4949.7	4143.1	4260.6
#2	2453.0	4970.0	4098.7	4272.0
#3	2456.0	4982.0	4131.4	4268.7

Sample Name: FA31669-24 Acquired: 3/22/2016 16:09:08 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0035	381.0	0.0537	1.575	0.0097	39.41	-0.0043	0.0865	0.5600
Stddev	0.0016	.7	0.0051	0.003	0.0001	.20	0.0004	0.0001	0.0015
%RSD	46.89	.1754	9.402	.2124	1.431	4.990	8.706	0.798	2.759
#1	-0.0053	381.4	0.0492	1.571	0.0095	39.61	-0.0046	0.0865	0.5610
#2	-0.0029	381.5	0.0592	1.576	0.0097	39.21	-0.0039	0.0865	0.5607
#3	-0.0022	380.3	0.0529	1.578	0.0097	39.42	-0.0043	0.0866	0.5582
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	1.083	270.4	25.22	35.82	3.107	0.073	2.860	0.3726	3.712
Stddev	0.004	.1	0.08	0.06	0.007	0.004	0.045	0.012	0.003
%RSD	.3659	0.380	.3356	.1789	.2241	5.006	1.570	.3096	.0717
#1	1.081	270.5	25.32	35.89	3.107	0.071	2.888	0.3736	3.713
#2	1.080	270.4	25.19	35.80	3.115	0.071	2.882	0.3714	3.709
#3	1.087	270.3	25.16	35.76	3.101	0.078	2.808	0.3730	3.715
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.130	-0.1017	5.427	0.0458	0.4079	11.15	-0.0064	0.5315	0.4885
Stddev	0.0042	0.0068	0.009	0.0009	0.0011	0.02	0.0043	0.0022	0.0012
%RSD	32.12	63.46	.1617	1.994	2.785	.1920	66.81	4.150	2.442
#1	0.176	-0.1111	5.432	0.0468	0.4078	11.16	-0.0098	0.5292	0.4889
#2	0.118	-0.0037	5.416	0.0451	0.4091	11.13	-0.0016	0.5336	0.4871
#3	0.0095	-0.172	5.431	0.0454	0.4068	11.17	-0.0078	0.5315	0.4894
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2461.2	4941.8	40666.	4175.3					
Stddev	1.2	5.8	53.	24.8					
%RSD	.04789	.11664	.13107	.59395					
#1	2460.0	4935.2	40649.	4148.7					
#2	2461.3	4944.2	40624.	4197.7					
#3	2462.3	4945.9	40726.	4179.4					

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Sample Name: FA31669-25 Acquired: 3/22/2016 16:13:29 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0030	365.8	0.0559	1.703	0.0093	34.03	-0.0046	0.1029	0.5836
Stddev	0.0009	.9	0.0026	0.005	0.0004	.12	0.0003	0.0006	0.0027
%RSD	29.57	.2415	4.643	.2779	4.520	.3429	6.759	.5656	4.572
#1	-0.0026	364.9	0.0535	1.698	0.0091	34.13	-0.0049	0.1028	0.5815
#2	-0.0024	365.6	0.0556	1.708	0.0091	33.90	-0.0046	0.1024	0.5866
#3	-0.0041	366.7	0.0587	1.703	0.0098	34.05	-0.0043	0.1036	0.5826
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	0.3441	270.8	25.91	30.86	3.266	0.071	3.157	0.3588	0.5661
Stddev	0.0014	.8	0.12	0.020	0.009	0.010	0.014	0.002	0.0028
%RSD	.3965	.3080	.4467	.6463	.2615	13.90	4.340	.0673	.4983
#1	0.3427	270.5	26.03	30.82	3.264	0.060	3.164	0.3590	0.5583
#2	0.3454	270.2	25.91	30.68	3.276	0.079	3.142	0.3586	0.5530
#3	0.3442	271.8	25.80	31.07	3.259	0.075	3.167	0.3589	0.5569
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.0077	-0.0081	7.774	0.0442	0.4220	12.49	-0.0016	0.5856	0.4051
Stddev	0.0032	0.0072	0.005	0.0006	0.0012	0.04	0.0077	0.0013	0.0017
%RSD	41.94	88.62	0.703	1.374	2.743	.3338	4.797	2.269	4.087
#1	0.0040	-0.0163	7.768	0.0436	0.4209	12.44	0.002	0.5845	0.4049
#2	0.0090	-0.0038	7.775	0.0441	0.4218	12.52	0.0050	0.5871	0.4035
#3	0.0101	-0.0041	7.779	0.0448	0.4232	12.51	-0.0100	0.5852	0.4068
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2461.7	4981.6	41702.	4276.8					
Stddev	2.4	11.6	130.	21.0					
%RSD	.09768	.23335	.31268	.49114					
#1	2464.4	4969.8	41784.	4265.1					
#2	2461.1	4993.0	41552.	4301.0					
#3	2459.7	4982.0	41771.	4264.2					

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Sample Name: FA31669-26 Acquired: 3/22/2016 16:17:50 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0021	381.7	0.0582	2.049	0.104	30.11	-0.0044	0.1093	0.6222
Stddev	0.0011	2.3	0.0039	0.021	0.0001	.11	0.0001	0.0004	0.0028
%RSD	53.29	.5916	6.666	1.013	.7434	3.561	1.260	3.436	4.427
#1	-0.0019	382.5	0.0557	2.070	0.105	30.08	-0.0043	0.1094	0.6242
#2	-0.0011	379.1	0.0562	2.029	0.103	30.01	-0.0044	0.1097	0.6234
#3	-0.0032	383.4	0.0627	2.049	0.104	30.22	-0.0044	0.1089	0.6191
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.960	281.5	25.05	32.02	3.712	0.061	3.160	0.3714	2.412
Stddev	0.0010	1.4	0.11	0.42	0.020	0.003	0.027	0.0005	0.0064
%RSD	.5146	.4980	.4502	1.308	.5468	5.173	8.449	1.351	2.635
#1	1.951	281.8	24.94	31.72	3.729	0.060	3.155	0.3716	2.348
#2	1.959	279.9	25.03	31.83	3.719	0.064	3.137	0.3718	2.475
#3	1.971	282.6	25.17	32.50	3.690	0.058	3.189	0.3708	2.413
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.0004	-0.0031	3.952	0.0445	0.3882	11.80	-0.0057	0.5939	0.3431
Stddev	0.0062	0.0074	0.007	0.0015	0.0017	0.04	0.0032	0.0027	0.0010
%RSD	146.1	238.1	.1699	3.405	4.417	2.997	55.70	4.559	2.773
#1	-0.0069	-0.0004	3.956	0.0459	0.3885	11.81	-0.0021	0.5929	0.3443
#2	0.0055	0.0026	3.957	0.0449	0.3864	11.83	-0.0070	0.5970	0.3430
#3	0.0001	-0.115	3.945	0.0429	0.3897	11.76	-0.0080	0.5919	0.3421
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2463.1	5042.4	42057.	4370.9					
Stddev	3.7	7.6	272.	28.3					
%RSD	.14995	.15102	.64601	.64854					
#1	2459.2	5035.1	41825.	4353.7					
#2	2466.5	5041.9	41990.	4403.6					
#3	2463.6	5050.3	42356.	4355.4					

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Sample Name: FA31669-29 Acquired: 3/22/2016 16:22:11 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0025	365.6	0.0586	1.317	0.0089	26.57	-0.0035	0.0823	0.5669
Stddev	0.0006	1.5	0.0007	0.002	0.0001	.08	0.0002	0.0006	0.0017
%RSD	25.64	4.067	1.139	1.198	1.013	2.936	4.752	7.760	2.919
#1	-0.0018	364.0	0.0588	1.319	0.0089	26.48	-0.0035	0.0824	0.5686
#2	-0.0028	366.7	0.0578	1.315	0.0089	26.60	-0.0037	0.0816	0.5653
#3	-0.0029	366.3	0.0591	1.317	0.0090	26.63	-0.0033	0.0829	0.5670
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.437	239.1	28.43	31.93	2.438	0.050	3.316	0.3487	1.667
Stddev	0.004	1.2	0.17	0.04	0.009	0.005	0.073	0.0014	0.005
%RSD	.2811	.488							

Sample Name: FA31670-2 Acquired: 3/22/2016 16:26:31 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.019	357.2	0.486	1.636	0.086	35.08	-0.033	0.080	5.368
Stddev	0.004	1.0	0.034	0.005	0.001	12	0.003	0.002	0.018
%RSD	19.93	2.861	7.053	2.930	1.155	3.557	9.442	1.790	3.383
#1	-0.016	357.4	0.452	1.635	0.084	35.19	-0.036	0.0858	5.355
#2	-0.019	358.1	0.521	1.641	0.086	35.10	-0.033	0.0860	5.360
#3	-0.023	356.1	0.485	1.632	0.086	34.94	-0.030	0.0861	5.389
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.154	241.6	21.42	32.49	3.223	0.049	2.692	3.854	7.410
Stddev	0.02	8	10	17	0.05	0.002	0.014	0.013	0.007
%RSD	1.570	3.264	4.760	5.104	1.476	4.420	5.222	3.486	0.958
#1	1.152	241.9	21.51	32.35	3.226	0.048	2.708	3.842	7.403
#2	1.155	242.1	21.44	32.67	3.218	0.051	2.687	3.869	7.410
#3	1.155	240.7	21.31	32.46	3.227	0.047	2.681	3.852	7.417
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.042	-0.072	4.371	0.032	3.708	9.999	-0.044	4.732	5.012
Stddev	0.015	0.035	0.006	0.006	0.010	0.22	0.023	0.008	0.004
%RSD	35.15	48.06	1.310	1.441	2.601	2.163	53.41	1.667	0.751
#1	0.059	-0.090	4.368	0.036	3.703	9.988	-0.068	4.737	5.014
#2	0.035	-0.032	4.377	0.035	3.719	9.985	-0.042	4.723	5.007
#3	0.032	-0.094	4.367	0.036	3.702	10.02	-0.021	4.736	5.014
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2501.7	4968.7	4186.8	4312.0					
Stddev	4.2	3.5	36	30.2					
%RSD	1.6691	0.7144	0.8671	0.70084					
#1	2501.8	4966.2	4186.2	4308.5					
#2	2505.8	4972.8	4190.6	4283.6					
#3	2497.4	4967.1	4183.5	4343.8					

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Sample Name: FA31670-5 Acquired: 3/22/2016 16:30:52 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.035	408.7	0.582	1.857	0.107	20.32	-0.045	0.109	6.427
Stddev	0.014	1.4	0.023	0.014	0.003	0.4	0.003	0.006	0.053
%RSD	39.14	3.434	3.926	7.331	2.426	1.769	6.321	5.576	8.323
#1	-0.024	407.2	0.609	1.842	0.104	20.28	-0.048	0.1094	6.365
#2	-0.032	410.0	0.567	1.868	0.109	20.36	-0.043	0.1095	6.457
#3	-0.051	408.8	0.572	1.861	0.107	20.32	-0.043	0.1084	6.459
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.182	295.8	26.61	32.43	3.095	0.075	3.187	4.060	7.080
Stddev	0.025	1.0	0.05	0.31	0.017	0.004	0.058	0.011	0.006
%RSD	1.381	3.404	1.957	9.426	5.361	5.214	1.830	2.727	0.798
#1	1.1838	295.2	26.56	32.23	3.078	0.072	3.133	4.047	7.079
#2	1.1838	297.0	26.66	32.78	3.098	0.075	3.249	4.063	7.086
#3	1.1794	295.2	26.60	32.27	3.110	0.079	3.180	4.069	7.075
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.073	-0.031	4.796	0.045	2.625	12.80	-0.073	6.290	3.522
Stddev	0.025	0.008	0.002	0.001	0.018	0.1	0.036	0.036	0.009
%RSD	34.50	27.87	0.051	1.957	6.745	1.070	49.75	5.713	2.514
#1	0.097	-0.097	4.797	0.048	2.609	12.79	-0.080	6.255	3.525
#2	0.047	-0.064	4.793	0.046	2.644	12.80	-0.106	6.287	3.512
#3	0.075	-0.068	4.798	0.045	2.623	12.81	-0.034	6.327	3.529
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2466.3	5025.5	4230.3	4402.2					
Stddev	3.3	12.5	76	4.6					
%RSD	1.3256	2.4879	1.8083	1.0347					
#1	2464.3	5021.1	4238.5	4397.1					
#2	2464.4	5015.8	4223.4	4403.8					
#3	2470.0	5039.6	4228.9	4405.8					

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7.2
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Sample Name: FA31670-6 Acquired: 3/22/2016 16:35:13 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.038	411.1	0.544	1.702	0.104	19.54	-0.045	0.104	6.440
Stddev	0.017	1.7	0.051	0.008	0.003	13	0.004	0.007	0.047
%RSD	43.97	4.200	9.405	4.621	2.520	6.779	8.330	6.430	7.269
#1	-0.051	409.5	0.486	1.697	0.106	19.40	-0.049	0.1045	6.484
#2	-0.019	412.9	0.562	1.711	0.101	19.66	-0.043	0.1050	6.391
#3	-0.043	410.8	0.584	1.699	0.105	19.57	-0.043	0.1037	6.446
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.622	271.8	24.91	30.83	2.614	0.046	3.222	4.143	4.230
Stddev	0.004	1.1	21	30	0.09	0.004	0.039	0.004	0.050
%RSD	2.366	3.902	8.422	9.574	3.626	8.936	1.216	1.076	1.193
#1	1.621	271.0	24.92	30.49	2.623	0.050	3.214	4.142	4.282
#2	1.626	273.0	25.11	31.04	2.605	0.045	3.265	4.148	4.227
#3	1.618	271.3	24.69	30.95	2.615	0.042	3.187	4.139	4.181
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.051	-0.057	2.593	0.041	2.542	11.55	-0.041	5.743	3.257
Stddev	0.026	0.036	0.001	0.010	0.007	0.05	0.004	0.046	0.005
%RSD	51.62	62.08	0.404	2.351	2.706	4.457	10.32	8.039	1.507
#1	0.078	-0.059	2.594	0.040	2.549	11.60	-0.038	5.768	3.253
#2	0.025	-0.021	2.593	0.046	2.543	11.49	-0.038	5.690	3.255
#3	0.050	-0.093	2.592	0.046	2.535	11.56	-0.045	5.771	3.262
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2472.3	5020.7	4232.3	4417.2					
Stddev	2.0	7.9	168	12.4					
%RSD	0.8213	1.5751	3.9606	2.8000					
#1	2470.3	5014.4	4215.1	4422.9					
#2	2474.4	5018.1	4248.6	4403.1					
#3	2472.3	5029.6	4233.2	4425.8					

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Sample Name: FA31670-9 Acquired: 3/22/2016 16:39:33 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.025	634.2	0.743	4.960	0.157	62.32	-0.038	0.1572	9.271
Stddev	0.011	19.1	0.020	0.150	0.007	1.97	0.014	0.010	0.061
%RSD	44.43	3.018	2.731	3.024	4.518	3.167	37.48	6.157	6.593
#1	-0.013	612.1	0.724	4.787	0.149	60.05	-0.022	0.1561	9.204
#2	-0.034	646.3	0.740	5.045	0.160	63.67	-0.044	0.1577	9.286
#3	-0.027	644.2	0.764	5.048	0.162	63.23	-0.049	0.1578	9.324
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.781	429.7	33.49	48.14	10.84	0.102			

Sample Name: FA31670-12 Acquired: 3/22/2016 16:44:10 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.017	432.1	0.067	3.086	0.111	67.24	-0.017	1.194	6.284
Stddev	0.006	.8	0.041	.005	0.002	.19	0.000	0.005	0.019
%RSD	36.47	.1933	6.699	.1706	2.015	.2832	.9678	.4099	.3047
#1	-0.022	432.5	0.058	3.092	0.114	67.03	-0.017	1.198	6.266
#2	-0.010	432.7	0.0588	3.086	0.110	67.30	-0.018	1.195	6.304
#3	-0.020	431.1	0.0654	3.082	0.109	67.39	-0.018	1.188	6.281
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.843	308.2	27.10	32.91	6.426	0.077	3.351	4.160	1.720
Stddev	.004	.3	.04	.12	.006	0.008	.034	.0016	.007
%RSD	.2415	.0827	.1432	.3496	.0918	10.09	1.005	.3825	.4221
#1	1.840	308.1	27.06	32.83	6.420	0.069	3.379	4.167	1.717
#2	1.848	308.5	27.10	32.86	6.431	0.080	3.314	4.171	1.728
#3	1.840	308.1	27.14	33.04	6.428	0.084	3.359	4.142	1.714
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.076	0.026	7.157	0.471	7.417	12.54	-0.048	6.423	9.666
Stddev	.0046	.0066	.018	.0005	.0015	.01	.0031	.0009	.0032
%RSD	60.30	250.6	.2446	1.070	.1976	.1012	63.58	1.374	.3329
#1	.0104	.0096	7.148	.0471	.7427	12.53	-.0054	6.429	9.701
#2	.0023	-.0036	7.177	.0466	.7424	12.55	-.0015	6.413	9.638
#3	.0100	.0020	7.147	.0476	.7400	12.54	-.0075	6.427	9.660
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2458.3	5006.8	42333.	4409.4					
Stddev	3.7	4.5	97.	6.3					
%RSD	.14869	.09041	.23010	.14309					
#1	2458.6	5010.0	42432.	4408.1					
#2	2454.6	5001.6	42238.	4416.3					
#3	2461.8	5008.7	42330.	4403.9					

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Sample Name: CCV Acquired: 3/22/2016 16:48:28 Type: QC
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.514	40.46	2.004	2.052	1.945	38.65	2.067	2.101	1.970
Stddev	0.011	.05	.003	.007	.002	.17	.007	.008	.004
%RSD	.4332	.1216	.1532	.3296	.1212	.4309	.3535	.3868	.1840
#1	.2526	40.45	2.000	2.050	1.943	38.67	2.059	2.092	1.971
#2	.2508	40.41	2.005	2.046	1.948	38.81	2.072	2.106	1.965
#3	.2507	40.51	2.006	2.059	1.944	38.48	2.071	2.105	1.972
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.971	38.82	38.49	37.98	1.920	2.093	38.80	2.018	1.906
Stddev	.004	.05	.12	.24	.005	.008	.04	.006	.001
%RSD	.2249	.1181	.3153	.6431	.2696	.3827	.1037	.2953	.0620
#1	1.976	38.78	38.49	37.90	1.920	2.083	38.81	2.011	1.907
#2	1.969	38.87	38.61	38.26	1.915	2.097	38.83	2.021	1.906
#3	1.968	38.81	38.37	37.79	1.926	2.097	38.76	2.021	1.905
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.985	2.055	2.487	1.961	1.923	1.887	1.894	1.878	2.004
Stddev	.004	.006	.005	.004	.002	.005	.005	.006	.007
%RSD	.2270	.2855	.1954	.2320	.0964	.2515	.2735	.3073	.3484
#1	1.985	2.059	2.484	1.956	1.923	1.890	1.900	1.877	1.996
#2	1.989	2.057	2.493	1.965	1.924	1.882	1.895	1.872	2.005
#3	1.980	2.048	2.485	1.962	1.920	1.891	1.889	1.884	2.010
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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7.2
7

Sample Name: CCV Acquired: 3/22/2016 16:48:28 Type: QC
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2262.8	4644.1	39951.	4264.0
Stddev	4.4	12.0	99.	18.4
%RSD	.19564	.25934	.24794	.43232
#1	2262.2	4657.9	39843.	4255.8
#2	2258.7	4635.6	39971.	4251.0
#3	2267.5	4638.8	40038.	4285.1

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Sample Name: CCB Acquired: 3/22/2016 16:52:39 Type: QC
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.064	0.008	0.004	0.003	0.058	0.002	0.003	0.003
Stddev	0.003	0.048	0.002	0.002	0.001	0.042	0.000	0.001	0.001
%RSD	524.6	74.47	28.68	36.70	15.84	71.35	18.48	24.08	30.62
#1	-0.002	0.104	0.011	0.006	0.003	0.018	0.002	0.002	0.004
#2	-0.002	0.077	0.007	0.003	0.004	0.057	0.002	0.004	0.003
#3	0.003	0.011	0.008	0.004	0.003	0.010	0.003	0.004	0.002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.006	0.239	0.261	-0.028	0.003	0.018	0.038	0.003	0.001
Stddev	0.000	0.024	0.032	0.163	0.000	0.004	0.071	0.000	0.003
%RSD	1.707	9.978	122.4	575.7	12.66	20.99	184.1	7.636	370.7
#1	-0.006	0.230	0.029	0.150	0.003	0.021	0.050	0.003	-0.002
#2	-0.006	0.266	0.627	-0.170	0.002	0.018	-0.037	0.003	0.004
#3	-0.006	0.221	0.128	-0.064	0.002	0.014	0.102	0.003	0.000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						0.010			
Low Limit						-0.010			
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.004	0.001	-0.004	0.006	0.002	0.012	0.004	0.002	0.003
Stddev	0.005	0.009	0.003	0.002	0.001	0.001	0.007	0.001	0.000
%RSD	127.3	1650.	71.70	43.50	23.28	6.945	159.0	68.56	11.60
#1	0.000	0.007	-0.002	0.005	0.002	0.013	0.013	0.004	0.004
#2	0.009	-0.010	-0.007	0.004	0.003	0.013	0.001	0.001	0.003
#3	0.003	0.005	-0.002	0.009	0.002	0.011	0.000	0.001	0.003
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 3/22/2016 16:52:39 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2622.1	4819.0	4156.6	4277.5
Stddev	6.0	9.0	112.	20.1
%RSD	.22832	.18761	.27043	.47020

#1	2620.2	4815.2	41685.	4287.7
#2	2617.4	4829.3	41462.	4254.3
#3	2628.9	4812.5	41550.	4290.3

Sample Name: FA31670-15 Acquired: 3/22/2016 16:57:12 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.018	536.7	0.000	4.695	0.052	58.52	-0.037	1.358	0.853
Stddev	.0012	2.3	.0031	.025	.0004	.04	.0006	.0005	.0033
%RSD	67.98	4.283	3.909	.5230	2.590	.0605	15.27	.3450	.3843

#1	-0.030	534.1	.0785	4.676	.0149	58.48	-0.031	1.361	.8556
#2	-0.018	537.5	.0836	4.723	.0157	58.55	-0.043	1.353	.8490
#3	-0.006	538.5	.0779	4.687	.0152	58.53	-0.037	1.361	.8524

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	6.112	419.3	28.88	42.28	8.441	0.156	4.727	5.145	1.710
Stddev	.0031	1.8	.11	.28	.031	.0008	.023	.0017	.006
%RSD	.5150	.4234	.3967	.6720	.3653	4.898	.4916	.3275	.3331

#1	.6100	417.4	28.75	42.01	8.475	.0165	4.711	5.163	1.714
#2	.6147	419.7	28.92	42.25	8.414	.0150	4.715	5.130	1.712
#3	.6088	420.8	28.96	42.58	8.434	.0154	4.753	5.142	1.703

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.063	-0.0122	0.400	0.0647	0.8956	13.52	-0.012	0.8801	0.4595
Stddev	.0046	.0103	.006	.0020	.0048	.02	.0077	.0038	.0015
%RSD	73.69	84.44	.1591	3.037	.5360	.1258	656.7	.4319	.3271

#1	.0027	-0.0103	4.036	.0665	.8903	13.53	.0046	.8838	.4612
#2	.0115	-0.0232	4.037	.0626	.8971	13.52	.0018	.8803	.4592
#3	.0047	-0.0029	4.048	.0650	.8995	13.50	-0.0100	.8762	.4582

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2429.8	5032.9	4233.6	4357.8
Stddev	.9	2.8	59.	11.9
%RSD	.03706	.05482	.13956	.27349

#1	2430.7	5030.5	42277.	4369.5
#2	2428.9	5032.2	42395.	4358.3
#3	2429.8	5035.9	42334.	4345.7

7.2
7

Sample Name: FA31670-18 Acquired: 3/22/2016 17:01:33 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.014	337.8	0.0448	2.512	0.0077	151.8	-0.011	0.0897	0.5104
Stddev	.0015	1.5	.0019	.013	.0003	.7	.0002	.0007	.0012
%RSD	106.3	4.542	4.249	.5226	3.492	4.370	14.51	.7727	.2340

#1	-0.014	338.3	.0440	2.507	.0080	152.0	-0.009	.0895	.5118
#2	.0001	339.0	.0434	2.527	.0076	152.2	-0.012	.0891	.5097
#3	-0.029	336.0	.0470	2.503	.0075	151.0	-0.012	.0905	.5097

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.597	244.7	19.13	34.76	6.518	0.077	3.295	3.442	1.846
Stddev	.0005	1.1	.17	.13	.007	.0001	.016	.0017	.011
%RSD	.1843	.4316	.8869	.3752	.1102	1.590	4.862	.5036	.5769

#1	.2602	245.1	19.29	34.82	6.522	.0076	3.301	.3422	1.834
#2	.2594	245.6	19.14	34.85	6.510	.0078	3.276	.3451	1.850
#3	.2594	243.6	18.95	34.61	6.522	.0076	3.306	.3452	1.854

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0048	-0.0032	2.554	0.0472	1.045	9.968	-0.0031	5.437	0.4265
Stddev	.0024	.0054	.007	.0019	.004	.009	.0034	.0007	.0016
%RSD	50.39	170.5	.2900	3.997	.3657	.0928	110.0	.1224	.3705

#1	.0048	-0.0055	2.552	.0469	1.045	9.967	-0.0032	5.437	.4248
#2	.0073	.0030	2.548	.0455	1.048	9.959	.0004	5.430	.4279
#3	.0024	-0.0071	2.563	.0492	1.041	9.978	-0.0064	5.443	.4268

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2443.1	4912.1	4154.9	4372.7
Stddev	4.7	11.1	89.	23.3
%RSD	.19277	.22576	.21438	.53296

#1	2447.8	4924.7	41452.	4361.1
#2	2438.3	4903.9	41628.	4357.5
#3	2443.1	4907.7	41568.	4399.6

Sample Name: FA31670-21 Acquired: 3/22/2016 17:05:54 Type: Unk
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.017	158.8	0.232	6.403	0.041	9.130	-0.017	0.0388	0.2720
Stddev	.0006	.6	.0018	.0041	.0001	.047	.0002	.0004	.0014
%RSD	32.79	.3662	7.833	.6376	1.986	.5163	12.97	.9434	.5017

#1	-0.019	158.9	.0213	6.411	.0042	9.132	-0.019	.0389	.2705
#2	-0.022	159.3	.0249	6.439	.0040	9.177	-0.015	.0392	.2726
#3	-0.011	158.1	.0234	6.359	.0041	9.083	-0.016	.0385	.2731

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.268	128.5	12.43	13.94	7.150	0.058	1.674	1.514	0.4463
Stddev	.0003	.5	.08	.18	.0027	.0003	.029	.0003	.0053
%RSD	.2164	.4224	.6045	1.270	.3781	5.563	1.716	.1661	1.198

#1	.1271	128.9	12.51	14.14	.7119	.0062	1.671	.1512	.4441
#2	.1266	128.8	12.36	13.86	.7162	.0057	1.704	.1512	.4524
#3	.1266	127.9	12.42	13.81	.7168	.0055	1.647	.1517	.4424

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0032	-0.0054	1.799	0.0364	1.222	6.643	-0.0008	2.952	0.1437
Stddev	.0063	.0038	.002	.0005	.0004	.009	.0063	.0008	.0008
%RSD	197.7	69.30	.1045	1.410	.3405	.1401	835.2	.2818	.5714

#1	.0092	-0.0013	1.801	.0370	1.222	6.633	.0021	2.943	.1437
#2	-0.0034	-0.0087	1.798	.0360	1.225	6.648	.0036	2.958	.1429
#3	.0039	-0.0062	1.798	.0363	1.217	6.650	-0.0080	2.956	.1446

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2550.1	4943.1	4190.6	4344.4
Stddev	7.7	7.5	105.	23.4
%RSD	.30166	.15168	.25016	.53908

#1	2543.1	4937.2	42004.	4326.4
#2	2558.3	4951.5	41919.	4335.9
#3	2549.1	4940.6	41796.	4370.8

Sample Name: CRIA Acquired: 3/22/2016 17:10:17 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0083	.2085	.0102	.2097	.0050	1.006	.0055	.0566	.0106
Stddev	.0003	.0044	.0012	.0004	.0000	.001	.0000	.0001	.0002
%RSD	3.350	2.095	11.72	.1982	.3430	.0720	.0293	.1052	1.815
#1	.0086	.2101	.0089	.2093	.0050	1.006	.0055	.0567	.0104
#2	.0083	.2035	.0112	.2101	.0050	1.005	.0055	.0566	.0108
#3	.0080	.2118	.0105	.2098	.0050	1.006	.0055	.0566	.0106
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0252	.3260	9.897	4.956	.0152	.0525	9.955	.0434	.0050
Stddev	.0004	.0008	.007	.034	.0001	.0000	.043	.0001	.0002
%RSD	1.434	.2566	.0672	.6762	.9615	.0616	.4354	.3072	3.880
#1	.0253	.3269	9.897	4.992	.0151	.0525	9.937	.0434	.0048
#2	.0248	.3252	9.903	4.949	.0153	.0525	10.00	.0435	.0050
#3	.0254	.3260	9.889	4.926	.0153	.0525	9.923	.0432	.0052
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0057	.0078	.0025	.0517	.0097	.0101	.0091	.0459	.0217
Stddev	.0005	.0003	.0002	.0001	.0000	.0000	.0004	.0001	.0000
%RSD	8.061	3.805	8.510	.2034	.3791	.2386	3.919	.1860	.2185
#1	.0053	.0074	.0023	.0519	.0097	.0102	.0095	.0459	.0218
#2	.0056	.0080	.0028	.0517	.0097	.0101	.0090	.0458	.0217
#3	.0062	.0079	.0025	.0516	.0096	.0102	.0088	.0460	.0217
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2567.3	4805.0	41190.	4260.5					
Stddev	2.0	4.0	133.	13.0					
%RSD	.07639	.08281	.32226	.30591					
#1	2568.3	4809.4	41287.	4248.1					
#2	2568.5	4801.6	41244.	4259.3					
#3	2565.0	4803.9	41039.	4274.1					

Raw Data MA13047 page 129 of 136

Sample Name: ICSA Acquired: 3/22/2016 17:14:43 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.0005	F 503.2	.0017	-0.0001	.0000	463.7	-0.0013	.0000
Stddev	.0003	8.7	.0007	.0004	.0001	8.7	.0001	.000
%RSD	51.85	1.721	40.99	590.3	356.0	1.879	4.182	493.7
#1	-0.0004	511.7	.0025	.0000	.0000	470.3	-0.0014	.0001
#2	-0.0008	503.6	.0011	.0003	.0001	467.0	-0.0013	.0000
#3	-0.0003	494.4	.0015	-0.0004	.0000	453.8	-0.0013	-0.0002
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	-0.0002	.0013	185.3	.0535	494.8	-0.0002	-0.0014	.1148
Stddev	.0002	.0002	.7	.0041	3.4	.0000	.0003	.0106
%RSD	112.6	15.28	.3674	7.602	.6950	12.30	20.34	9.194
#1	-0.0003	.0015	185.9	.0502	496.8	-0.0002	-0.0011	.1174
#2	.0001	.0012	185.4	.0522	496.7	-0.0002	-0.0017	.1032
#3	-0.0003	.0012	184.6	.0580	490.8	-0.0002	-0.0015	.1238
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.0005	F -0.0059	.0003	-0.0006	.0109	.0016	.0002	.0008
Stddev	.0002	.0025	.0020	.0034	.0004	.0003	.0000	.0001
%RSD	47.07	41.75	768.8	530.5	3.465	20.45	20.41	14.89
#1	.0005	-0.0085	.0015	-0.0037	.0111	.0012	.0002	.0008
#2	.0002	-0.0058	.0020	.0030	.0110	.0019	.0002	.0009
#3	.0006	-0.0036	.0012	-0.0012	.0104	.0016	.0003	.0007
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	-0.0003	.0005	-0.0034					
Stddev	.0002	.0002	.0001					
%RSD	135.6	44.53	2.402					
#1	-0.0004	.0007	-0.0035					
#2	-0.0045	.0004	-0.0035					
#3	.0039	.0004	-0.0034					

Raw Data MA13047 page 130 of 136

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Sample Name: ICSA Acquired: 3/22/2016 17:14:43 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2011.9	4256.3	36032.	3991.2
Stddev	2.9	4.1	129.	46.6
%RSD	.14436	.09664	.35675	1.1684
#1	2012.3	4251.6	36173.	3959.8
#2	2008.9	4259.3	36000.	3969.1
#3	2014.6	4257.9	35922.	4044.8

Raw Data MA13047 page 131 of 136

Sample Name: IC SAB Acquired: 3/22/2016 17:19:20 Type: Unk
Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F 1.044	F 520.9	1.100	.5419	.5008	475.6	.9786	.4971	.4956
Stddev	.002	4.1	.004	.0010	.0008	3.7	.0021	.0008	.0011
%RSD	.1455	.7790	.3838	.1913	.1569	.7770	.2192	.1657	.2163
#1	1.043	523.7	1.103	.5427	.4999	471.6	.9777	.4964	.4964
#2	1.043	516.2	1.100	.5421	.5012	478.9	.9810	.4980	.4961
#3	1.046	522.7	1.095	.5407	.5013	476.2	.9770	.4970	.4944
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5457	191.1	.0611	F 506.2	.4726	.9871	.1231	.9529	.9101
Stddev	.0012	.4	.0207	1.2	.0013	.0032	.0056	.0024	.0039
%RSD	.2211	.2129	33.85	.2356	.2849	.3277	4.575	2.478	.4330
#1	.5453	190.7	.0687	505.9	.4717	.9848	.1229	.9527	.9128
#2	.5447	191.5	.0770	507.5	.4741	.9908	.1176	.9554	.9120
#3	.5470	191.2	.0377	505.2	.4720	.9858	.1289	.9507	.9056
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.024	1.032	.0455	.8994	.9984	.9012	.8971	.4378	.9461
Stddev	.003	.006	.0002	.0026	.0012	.0004	.0029	.0016	.0033
%RSD	.2659	.5761	.4959	.2882	.1161	.0498	.3245	.3606	.3471
#1	1.022	1.039	.0457	.8997	.9990	.9006	.8984	.4390	.9447
#2	1.027	1.031	.0454	.9018	.9970	.9015	.8992	.4384	.9499
#3	1.023	1.027	.0453	.8967	.9991	.9013	.8938	.4360	.9438
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1951.4	4194.9	35505.	3931.8					
Stddev	4.8	3.7	58.	14.0					
%RSD	.24453	.08901	.16372	.35682					
#1	1946.3	4195.9	35570.	3943.8					
#2	1952.1	4190.7	35488.	3916.4					
#3	1955.7	4197.9	35458.	3935.4					

Raw Data MA13047 page 132 of 136

Sample Name: CCV Acquired: 3/22/2016 17:23:49 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2484	40.38	1.965	2.020	1.928	38.12	2.043	2.080	1.957
Stddev	.0013	.17	.001	.007	.006	.10	.003	.003	.013
%RSD	.5347	.4324	.0348	.3304	.3303	.2610	.1624	.1656	.6826
#1	.2475	40.34	1.964	2.024	1.927	38.03	2.041	2.079	1.942
#2	.2478	40.22	1.965	2.012	1.923	38.10	2.047	2.084	1.964
#3	.2499	40.57	1.965	2.024	1.935	38.23	2.041	2.078	1.966

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.954	38.68	38.11	37.78	1.877	2.076	38.18	1.985	1.871
Stddev	.008	.13	.11	.22	.010	.005	.10	.001	.004
%RSD	.4273	.3441	.2780	.5851	.5300	.2564	.2510	.0298	.2173
#1	1.962	38.64	38.07	37.54	1.866	2.078	38.20	1.985	1.867
#2	1.945	38.57	38.03	37.81	1.885	2.080	38.07	1.986	1.875
#3	1.956	38.83	38.23	37.98	1.880	2.070	38.26	1.985	1.871

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.951	2.015	2.446	1.923	1.897	1.864	1.861	1.841	1.976
Stddev	.003	.003	.004	.003	.004	.002	.009	.007	.004
%RSD	.1740	.1530	.1665	.1568	.2330	.0919	.4766	.4101	.2077
#1	1.955	2.018	2.451	1.923	1.900	1.862	1.852	1.832	1.971
#2	1.950	2.013	2.446	1.921	1.892	1.865	1.869	1.847	1.978
#3	1.948	2.013	2.443	1.927	1.900	1.864	1.864	1.843	1.978

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/22/2016 17:23:49 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2289.0	4669.9	40156.	4200.2
Stddev	2.6	6.2	15.	26.5
%RSD	.11262	.13212	.03744	.63109
#1	2286.9	4663.0	40173.	4224.4
#2	2291.9	4672.1	40145.	4204.2
#3	2288.1	4674.7	40149.	4171.9

7.2
7

Sample Name: CCB Acquired: 3/22/2016 17:28:01 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	.0138	.0005	.0004	.0003	.0130	.0002	.0004	.0003
Stddev	.0003	.0047	.0004	.0002	.0000	.0020	.0000	.0001	.0001
%RSD	66.66	34.05	79.23	38.34	14.55	15.23	9.996	28.13	47.51
#1	-0.001	.0150	.0004	.0005	.0002	.0111	.0002	.0003	.0002
#2	-0.005	.0087	.0010	.0005	.0003	.0128	.0003	.0005	.0005
#3	-0.007	.0179	.0002	.0002	.0003	.0150	.0002	.0003	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0007	.0283	.0057	.0105	.0003	F .0019	.0035	.0001	.0003
Stddev	.0001	.0046	.0162	.0219	.0000	.0005	.0058	.0001	.0002
%RSD	21.77	16.37	281.8	208.8	13.59	25.90	165.6	48.77	53.41
#1	-0.006	.0309	.0232	.0358	.0003	.0025	.0066	.0001	.0003
#2	-0.008	.0310	-0.0088	-0.0010	.0003	.0018	.0072	.0001	.0001
#3	-0.005	.0229	.0028	-0.0032	.0002	.0015	-0.0032	.0002	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	.0000	-0.0007	.0005	.0003	.0010	-0.0005	.0002	.0004
Stddev	.0004	.001	.0003	.0002	.0000	.0000	.0003	.0001	.0000
%RSD	31.28	2599.	37.75	47.46	3.316	2.515	62.62	36.53	1.053
#1	.0011	-0.007	-0.0007	.0008	.0003	.0010	-0.002	.0002	.0004
#2	.0008	.0004	-0.0005	.0003	.0003	.0010	-0.008	.0003	.0004
#3	.0015	.0003	-0.0010	.0004	.0003	.0010	-0.005	.0002	.0004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/22/2016 17:28:01 Type: QC
 Method: 60102007_042011(v19) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2632.8	4823.4	41870.	4263.5
Stddev	2.7	3.6	95.	29.5
%RSD	.10360	.07564	.22749	.69242
#1	2633.1	4824.2	41936.	4245.5
#2	2629.9	4826.5	41761.	4247.5
#3	2635.3	4819.4	41913.	4297.6

Accutest Laboratories SE Metals Digestion Log Water

DOD+
(MS)

Method of digestion(circle one): SW846-3010A SW846-3005A / EPA 200.7 / SM3030C

MP #: 30039

Prep Date/Time (mm/dd/yy 24:00): 2/29/16 8:45

HotBlock I.D. 5

Thermometer I.D. 204

Correction Factor (°C) -1

Temperature Observed/Corrected (°C) 94, 93

Added^B: HNO₃ 1115080

Lot# HCL 4115050

Volume

Spk. Sol. ^A	Used(ml)	Pipette #
ACC 920	0.50	10
ACC 894	0.25	10
MET 5330	0.25	10

Dig. Tube Lot#: J215796-261

Sample #	Initial Volume(ml)	pH<2	Final Volume(ml)	Comments
Method Blank(MB)	50.0	N/A	50.0	
Spike Blank(SB)		N/A		
Matrix Spike(MS)		✓		
Matrix Spike Dup(MSD)		✓		
Duplicate(DUP)		✓		
1 QC ^C FA31027-2 25		✓		
2 ↓ 1 9		✓		
3 ↓ 3		✓		
4 ↓ 4		✓		
5 FA31077-4		✓		
6 ↓ 7		✓		
7 ↓ 9		✓		
8 ↓ 10		✓		
9 ↓ 11		✓		
10 ↓ 12		✓		
11 ↓ 13		✓		
12 ↓ 14 ↓		✓		
13 FA31743-1 11		✓		
14 FA31037-1 3		✓		
15 FA31069-1 1		✓		
16 FA31070-1 ↓		✓		
17 FA31071-37 ↓		✓		
18 FA31072-27 ↓		✓		
19 FA31056-1 9		✓		
20 ↓ 2 9		✓		
21 ^E				
22 ^E				
23 ^E				
24 ^E				

Analyst: J. Ben
QC Review: [Signature]

Date: 2/29/16
Date: 2-29-16

- A Used for SB, MS, MSD
- B For reagent volumes used consult SOP MET 103, current revision
- C Parent sample used to prepare MS, MSD, DUP
- D Bottle Number
- E Additional matrix QC

icpwaterdigestionlog091113.xls

Rev 01/20/10 DM

*DB 2/29/16

7.3.1

7

Accutest Laboratories SE Metals Digestion Log Soil

5g DRY sieve

MP #: 30149

Method of Digestion: SW846-3050B

Prep Date/Time (mm/dd/yy 24:00): 3/22/16 9:52
 HotBlock I.D. *~~4~~ LT237 X1 Spk. Sol. ^A ACC 920 Volume Used(ml) *~~0.50~~ 1.0 Pipette # 10
 Thermometer I.D. 6071 ACC 894 *~~0.25~~ 0.5 10
 Correction Factor (°C) -1 MET 5361 0.5 10
 ① Temperature Observed/Corrected (°C) 92, 91
 Balance I.D. ADVPRD3 Filter Lot#: 15092 8009
 Added ^B: H₂O₂ HNO₃ HCL Dig. Tube Lot# glass ~~beaker~~ beaker
 Lot# 152514 1115100 4115080 PTFE Boiling Chips R263-5K012

Sample #	Wt. g	Final Volume(ml)	Comments
Method Blank(MB)	* +0050	*50.0 100.0	① Temp fluxuated during digestion. ② 3/22/16
Spike Blank(SB)	5.0		
Matrix Spike(MS)	5.11		
Matrix Spike Dup(MSD)	5.05		
Duplicate(DUP)	5.19		
1 QC ^C FA31669-2 ^{D1}	5.25		
2 D2-FA31669-2	5.31		
3	5.06		
4	5.36		
5	5.32		
6	5.04		
7	5.23		
8	5.11		
9	5.12		
10	5.20		
11	5.16		
12	5.32		
13 FA31670-2	5.25		
14	5.16		
15	5.26		
16	5.33		
17	5.42		
18	5.21		
19	5.23		
20	5.17		
21 ^E			
22 ^E			
23 ^E			3/22/16
24 ^E	DB		

Analyst: [Signature]
 QC Review: [Signature]

Date: 3/22/16
 Date: 3/22/16

A Used for SB, MS, MSD
 B For reagent volumes used consult SOP MET 104, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional Matrix QC
 icpsoildigestionlog012010.xls

Rev 01/20/10 DM

* DB 3/22/16

7.3.2
 7

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*e-Hardcopy 2.0
Automated Report*

Technical Report for

Kemron Environmental Services, Inc

Ft Ord; CA

07202.2001

SGS Accutest Job Number: FA31671

Sampling Date: 02/22/16



Report to:

Kemron Environmental Services, Inc
4522 Joe Lloyd Way
Monterey, CA 93944
emiddleditch@gilbaneco.com

ATTN: Eric Middleditch

Total number of pages in report: 148



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

**Norm Farmer
Technical Director**

Client Service contact: Sue Bell 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001)
DoD ELAP (L-A-B L2229), CA (2937), TX (T104704404), PA (68-03573), VA (460177),
AK, AR, GA, KY, MA, NV, OK, UT, WA

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Test results relate only to samples analyzed.

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Sample Summary

Kemron Environmental Services, Inc

Job No: FA31671

Ft Ord; CA

Project No: 07202.2001

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
FA31671-1	02/22/16	09:18 BPR	02/24/16	SO	Soil	02-48SC0000
FA31671-5	02/22/16	10:12 BPR	02/24/16	SO	Soil	02-49SC0000
FA31671-8	02/22/16	11:25 BPR	02/24/16	SO	Soil	02-52SC0000
FA31671-11	02/22/16	09:25 BPR	02/24/16	SO	Soil	02-71SC0000
FA31671-15	02/22/16	10:20 BPR	02/24/16	SO	Soil	02-72SC0000
FA31671-18	02/22/16	11:03 BPR	02/24/16	SO	Soil	02-75SC0000
FA31671-22	02/22/16	13:45 BPR	02/24/16	SO	Soil	02-53SC0000
FA31671-24	02/22/16	13:45 BPR	02/24/16	SO	Soil	02-53SC0000Q
FA31671-26	02/22/16	14:35 BPR	02/24/16	SO	Soil	02-69SC0000
FA31671-29	02/22/16	13:35 BPR	02/24/16	SO	Soil	02-76SC0000
FA31671-33	02/22/16	14:30 BPR	02/24/16	SO	Soil	02-51SC0000
FA31671-37	02/22/16	15:25 BPR	02/24/16	AQ	Equipment Blank	02-ER03SC
FA31671-38	02/22/16	15:15 BPR	02/24/16	SO	Soil	02-70SC0000

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

2

Client: Kemron Environmental Services, Inc

Job No: FA31671

Site: Ft Ord; CA

Report Date: 4/6/2016 12:15:36 PM

13 Sample(s) were collected on 02/22/2016 and were received at SGS Accutest Southeast (SASE) on 02/24/2016 properly preserved, at 3 Deg. C and intact. These Samples received an SASE job number of FA31671. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix: AQ

Batch ID: MP30039

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA31627-2DUP, FA31627-2MS, FA31627-2MSD, FA31627-2PS, FA31627-2SDL were used as the QC samples for metals.

Matrix: SO

Batch ID: MP30207

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA31671-1DUP, FA31671-1MSD, FA31671-1SDL, FA31671-1PS were used as the QC samples for metals.

Matrix Spike Duplicate Recovery(s) for Lead are outside control limits. Probable cause is due to matrix interference.

MP30207-S1 for Lead: Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MP30207-PS1 for Lead: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Date: April 6, 2016

Kim Benham, Client Services (signature on file)

Wednesday, April 06, 2016

Page 1 of 1

Summary of Hits

Job Number: FA31671
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 02/22/16



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA31671-1	02-48SC0000					
Lead		60.8	1.9	0.38	mg/kg	SW846 6010C
FA31671-5	02-49SC0000					
Lead		11.6	1.9	0.38	mg/kg	SW846 6010C
FA31671-8	02-52SC0000					
Lead		40.5	1.9	0.37	mg/kg	SW846 6010C
FA31671-11	02-71SC0000					
Lead		22.5	1.8	0.37	mg/kg	SW846 6010C
FA31671-15	02-72SC0000					
Lead		38.6	1.9	0.38	mg/kg	SW846 6010C
FA31671-18	02-75SC0000					
Lead		23.6	2.0	0.39	mg/kg	SW846 6010C
FA31671-22	02-53SC0000					
Lead		15.0	1.9	0.37	mg/kg	SW846 6010C
FA31671-24	02-53SC0000Q					
Lead		19.9	1.9	0.38	mg/kg	SW846 6010C
FA31671-26	02-69SC0000					
Lead		73.3	1.9	0.38	mg/kg	SW846 6010C
FA31671-29	02-76SC0000					
Lead		34.6	1.9	0.38	mg/kg	SW846 6010C
FA31671-33	02-51SC0000					
Lead		16.9	1.8	0.37	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA31671
Account: Kemron Environmental Services, Inc
Project: Ft Ord; CA
Collected: 02/22/16



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
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FA31671-37 02-ER03SC

No hits reported in this sample.

FA31671-38 02-70SC0000

Lead	22.7	1.9	0.39	mg/kg	SW846 6010C
------	------	-----	------	-------	-------------

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: 02-48SC0000	Date Sampled: 02/22/16
Lab Sample ID: FA31671-1	Date Received: 02/24/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.1
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	60.8	1.9	0.38	0.096	mg/kg	5	04/05/16	04/05/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13075

(2) Prep QC Batch: MP30207

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation
LOD = Limit of Detection

DL = Detection Limit

U = Indicates a result < LOD

J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-49SC0000	
Lab Sample ID: FA31671-5	Date Sampled: 02/22/16
Matrix: SO - Soil	Date Received: 02/24/16
	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.2
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	11.6	1.9	0.38	0.094	mg/kg	5	04/05/16	04/05/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13075

(2) Prep QC Batch: MP30207

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-52SC0000	Date Sampled: 02/22/16
Lab Sample ID: FA31671-8	Date Received: 02/24/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.3
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	40.5	1.9	0.37	0.093	mg/kg	5	04/05/16	04/05/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13075

(2) Prep QC Batch: MP30207

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-71SC0000	
Lab Sample ID: FA31671-11	Date Sampled: 02/22/16
Matrix: SO - Soil	Date Received: 02/24/16
	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.4
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	22.5	1.8	0.37	0.092	mg/kg	5	04/05/16	04/05/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13075

(2) Prep QC Batch: MP30207

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-72SC0000	
Lab Sample ID: FA31671-15	Date Sampled: 02/22/16
Matrix: SO - Soil	Date Received: 02/24/16
	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.5
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	38.6	1.9	0.38	0.094	mg/kg	5	04/05/16	04/05/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13075

(2) Prep QC Batch: MP30207

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-75SC0000	Date Sampled: 02/22/16
Lab Sample ID: FA31671-18	Date Received: 02/24/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.6
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	23.6	2.0	0.39	0.098	mg/kg	5	04/05/16	04/05/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13075

(2) Prep QC Batch: MP30207

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-53SC0000	Date Sampled: 02/22/16
Lab Sample ID: FA31671-22	Date Received: 02/24/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.7
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	15.0	1.9	0.37	0.094	mg/kg	5	04/05/16	04/05/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13075

(2) Prep QC Batch: MP30207

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-53SC0000Q	Date Sampled: 02/22/16
Lab Sample ID: FA31671-24	Date Received: 02/24/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.8
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	19.9	1.9	0.38	0.095	mg/kg	5	04/05/16	04/05/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13075

(2) Prep QC Batch: MP30207

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-69SC0000	Date Sampled: 02/22/16
Lab Sample ID: FA31671-26	Date Received: 02/24/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.9
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	73.3	1.9	0.38	0.096	mg/kg	5	04/05/16	04/05/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13075

(2) Prep QC Batch: MP30207

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-76SC0000	Date Sampled: 02/22/16
Lab Sample ID: FA31671-29	Date Received: 02/24/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.10
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	34.6	1.9	0.38	0.095	mg/kg	5	04/05/16	04/05/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13075

(2) Prep QC Batch: MP30207

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-51SC0000	Date Sampled: 02/22/16
Lab Sample ID: FA31671-33	Date Received: 02/24/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.11
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	16.9	1.8	0.37	0.091	mg/kg	5	04/05/16	04/05/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13075

(2) Prep QC Batch: MP30207

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-ER03SC	Date Sampled: 02/22/16
Lab Sample ID: FA31671-37	Date Received: 02/24/16
Matrix: AQ - Equipment Blank	Percent Solids: n/a
Project: Ft Ord; CA	

4.12
4

Total Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.0 U	5.0	2.0	1.1	ug/l	1	02/29/16	02/29/16 LM	SW846 6010C ¹	SW846 3010A ²

- (1) Instrument QC Batch: MA12998
- (2) Prep QC Batch: MP30039

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-70SC0000	Date Sampled: 02/22/16
Lab Sample ID: FA31671-38	Date Received: 02/24/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.13
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	22.7	1.9	0.39	0.097	mg/kg	5	04/05/16	04/05/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13075

(2) Prep QC Batch: MP30207

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Misc. Forms**Custody Documents and Other Forms**

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # ~~RP-022216-01~~



FA31671

Project Name: Fort Ord	Project Number: 07202.2001	WBS Code: - - \$ 5 \$	Laboratory: Accutest Laboratories, Orlando, FL
Point of contact: Sue Bell 813-741-3338 sueb@accutest.com			Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW8330B - Explosives SW8610C - Lead SW8330B - Explosives by ISM SW8610C - Lead by ISM	Code Matrix
			SO SOIL
			Code Container/Preservative
			2 2" 1L amber, 4 degrees C
			1 1" 1.0-1.5 kilogram bag
			13 1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016

Sample ID	Matrix	Date	Time	Samp Init.	Location ID	Sample Type	Depth (ft bgs) Top - Bottom
① 02-48SC0000	SO	02/22/16	09:18	RP	02-48	N1	0.0 0.5
② 02-48SC0001			09:30	RP	02-48	N1	0.0 1.5
③ 02-48SC0002			09:48	RP	02-48	N1	2.0 2.5
④ 02-48SC0002			09:48	RP	02-48	FD	2.0 2.5
⑤ 02-49SC0000			10:12	RP	02-49	N1	0.0 0.5
⑥ 02-49SC0001			10:28	RP	02-49	N1	1.0 1.5
⑦ 02-49SC0002			10:42	RP	02-49	N1	2.0 2.5
⑧ 02-52SC0000			11:25	TR	02-52	N1	0.0 0.5
⑨ 02-52SC0001			11:40	TR	02-52	N1	1.0 1.5

HOLD
HOLD
HOLD
HOLD
HOLD
HOLD
HOLD
HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	2/23/16	1600	<i>[Signature]</i>	2-24-16	12:45	
<i>[Signature]</i>			<i>[Signature]</i>			

ENV COC Record July 06, 2015

3.0 3.4

5.1
5

CHAIN-OF-CUSTODY RECORD

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COC # RP, - 022216-02

FA31671



Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method	SW8330B - Explosives	SW8010C - Lead	SW8330B - Explosives by ISM	SW8010C - Lead by ISM	Code Matrix
			SO SOIL	WQ WATER QUALITY CONTROL MATRIX	Code Container/Preservative	2" 1L amber, 4 degrees C	1" 1.0-1.5 kilogram bag

Event ID: Basewide Range Assessment Spring 2016

Sample ID	Matrix	Date	Time	Samp Init.	Location ID	Sample Type	Depth (ft bgs)		Hold
							Top	Bottom	
02-52SC0002	SO	02/22/16	11:50	TR	02-52	N1	2.0	2.5	Hold
02-71SC0000			09:25	TR	02-71	N1	0.0	0.5	
02-71SC0001			09:50	TR	02-71	N1	1.0	1.5	Hold
02-71SC0010			09:50	TR	02-71	FD	1.0	1.5	Hold
02-71SC0002			10:00	TR	02-71	N1	2.0	2.5	Hold
02-72SC0000			10:20	TR	02-72	N1	0.0	0.5	
02-72SC0001			10:35	TR	02-72	N1	1.0	1.5	Hold
02-72SC0002			11:00	TR	02-72	N1	2.0	2.5	Hold
02-75SC0000			11:03	RP	02-75	N1	0.0	0.5	

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	2/23/16	11:00	<i>[Signature]</i>			
FX			J. Corne (MGR)	2-24-16	12:45	
Received by Laboratory: (Signature, Date, Time) & condition						

ENV.COC_Record July 08, 2015

5.1
5

FA31671: Chain of Custody
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CHAIN-OF-CUSTODY RECORD

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COC # *RP-022216-03*
FA31671



Project Name: Fort Ord <i> D V H Z L G H 5 D Q J H S V V H V P</i>	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW8330B - Explosives SW6010C - Lead SW8330B - Explosives by ISM SW6010C - Lead by ISM	Code Matrix
			SO SOIL
			Code Container/Preservative
			2 2" 1L amber, 4 degrees C
			1 1" 1.0-1.5 kilogram bag
			13 1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016

Sample ID	Matrix	Date	Time	Samp Init.	Location ID	Sample Type	Depth (ft bgs)		
							Top	Bottom	
19 1 02-75SC0001	SD	02/22/16	11:17	RP	02-75	N1	1.0	1.5	HOLD
20 2 02-75SC0002		02/22/16	11:32	RP	02-75	N1	2.0	2.5	HOLD
21 3 02-75SC0002Q		02/22/16	11:32	RP	02-75	FD	2.0	2.5	HOLD
22 4 02-53SC0000			13:45	TR	02-53	N1	0.0	0.5	
23 5 02-53SC0001			13:55	TR	02-53	N1	1.0	1.5	HOLD
24 6 02-53SC0000			13:45	TR	02-53	FD	0.0	0.5	HOLD
25 7 02-53SC0002			14:15	TR	02-53	N1	2.0	2.5	HOLD
26 8 02-69SC0000			14:35	TR	02-69	N1	0.0	0.5	
27 9 02-69SC0001			14:40	TR	02-69	N1	1.0	1.5	HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	2/23/16	1600	FX			
FX			<i>[Signature]</i>	2-24-16	12:48	
						Received by Laboratory: (Signature, Date, Time) & condition

ENV COC_Record July 06, 2015

5.1
5

CHAIN-OF-CUSTODY RECORD

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COC # RP-022216-04
FA31671



Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW8330B - Explosives SW8010C - Lead SW8330B - Explosives by ISM SW8010C - Lead by ISM	Code Matrix
			SO SOIL
			WQ WATER QUALITY CONTROL MATRIX
			Code Container/Preservative
2 2" 1L amber, 4 degrees C	3 1" 1.0-1.5 kilogram bag	13 1" 250ml poly, with HNO3	

Event ID: Basewide Range Assessment Spring 2016

Sample ID	Matrix	Date	Time	Samp Init.	Location ID	Sample Type	Depth (ft bgs)		
							Top	Bottom	
02-69SC0002	SO	02/22/16	1455	TR	02-69	NI	2.0	2.5	Hold
02-76SC0000			1335	RP	02-76	NI	0.0	0.5	
02-76SC0001			1354	RP	02-76	NI	1.0	1.5	Hold
02-76SC0010			1354	RP	02-76	FD	1.0	1.5	Hold
02-76SC0002			1412	RP	02-76	NI	2.0	2.5	Hold
02-51SC0000			1430	RP	02-51	NI	0.0	0.5	
02-51SC0001			1443	RP	02-51	NI	1.0	1.5	Hold
02-51SC0002			1459	RP	02-51	NI	2.0	2.5	Hold
02-51SC0002Q			1459	RP	02-51	FD	2.0	2.5	Hold

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	2/23/16	1400	FX			
FX			J. Cornell (ASR)	2-24-16	12:45	
						Received by Laboratory: (Signature, Date, Time) & condition

ENV COC Record July 03, 2015

5.1
5

FA31671: Chain of Custody
Page 4 of 7

CHAIN-OF-CUSTODY RECORD

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COC # *RP-022216-05*

FA31671



Project Name: Fort Ord <i>VDVHZLGH 5DQJH SVVHVP</i>	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: <i>55</i>	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW8330B - Explosives SW6010C - Lead SW8330B - Explosives by ISM SW6010C - Lead by ISM	Code Matrix
			Code Container/Preservative
			SO SOIL
			WQ WATER QUALITY CONTROL MATRIX
			2 2" 1L amber, 4 degrees C
			1 1" 1.0-1.5 kilogram bag
			13 1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016

Sample ID	Matrix	Date	Time	Samp Init.			Location ID	Sample Type	Depth (ft bgs) Top - Bottom	
<i>37</i> 02-ER03SC	WQ	02/22/16	1525	DB	X		Field DC	EPI	NA	NA
<i>38</i> 02-70SC0000	SD	02/22/16	1515	TR		Y	02-70	NI	0.0	0.5
<i>39</i> 02-70SC0001			1527	TR					1.0	1.5
<i>40</i> 02-70SC0002			1540	TR					2.0	2.5
5										
6										
7										
8										
9										

HOLD HOLD

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	2/23/16	1600	<i>FX</i>			
<i>FX</i>			<i>J. Coyle (ASR)</i>	2-24-16	12:45	
						Received by Laboratory: (Signature, Date, Time) & condition

5.1
5

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA31671 CLIENT: GILBANE PROJECT: FORD O&D
 DATE/TIME RECEIVED: 2-24-16 12:45 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 2
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER DELIVERY OTHER: _____
 AIRBILL NUMBERS: 8088 8917 1975

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TEMPERATURE INFORMATION

- IR THERM ID _____ CORR. FACTOR 10.2
- OBSERVED TEMPS: 28 3.2
- CORRECTED TEMPS: 3.0 3.4 (USED FOR LIMS)

TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- % SOLIDS JAR NOT RECEIVED
- RESIDUAL CHLORINE PRESENT LOT# _____

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM _____ 5-GRAM _____
 NUMBER OF 5035 FIELD KITS ? _____
 NUMBER OF LAB FILTERED METALS ? _____

TEST STRIP LOT#s pH 0-3 204413A pH 10-12 219813A OTHER (specify) _____
 {APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS: _____

TECHNICIAN SIGNATURE/DATE [Signature] 2-25-16 REVIEWER SIGNATURE/DATE [Signature] 2/25/16
 NF 11/15 receipt confirmation 111015.xls

5.1
5

ORIGIN ID: MRYA

SHIP DATE: 23 FEB 16
 ACTWGT: 39.00 LB MAN
 CAD: /POS1621
 DIMS: 16x13x9 IN
 BILL RECIPIENT

UNITED STATES US

TO **SAMPLE RECG**
ACCUTEST LABRATORIES
4405 VINELAND RD
STE C15
ORLANDO FL 32811

(407) 425-6700 REF: DEPT:

Part # 15057425 RIT TIXA

FedEx
 Express

E

1 of 8
 TRK# 8088 8917.4975
 0215
 ## MASTER ##

XH TIXA

WED - 24 FEB 10:30A
 PRIORITY OVERNIGHT

32811
 FL-US MCO

UNV12113
 MADE IN USA

QC Evaluation: DOD QSM5 Limits

Job Number: FA31671
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 02/22/16

QC Sample ID	CAS#	Analyte	Sample Result Type	Result Type	Result	Units	Limits
MP30039 SW846 6010C							
MP30039-B1	7439-92-1	Lead	BSP	REC	103	%	86-113
MP30039-S1*	7439-92-1	Lead	MS	REC	101.4	%	86-113
MP30039-S2*	7439-92-1	Lead	MSD	REC	103.2	%	86-113
MP30039-S2*	7439-92-1	Lead	MSD	RPD	1.8	%	20
MP30039-D1*	7439-92-1	Lead	DUP	RPD	0	%	20
MP30207 SW846 6010C							
MP30207-B1	7439-92-1	Lead	BSP	REC	95	%	81-112
MP30207-S1	7439-92-1	Lead	MS	REC	118 ^a	%	81-112
MP30207-S2	7439-92-1	Lead	MSD	REC	78.6 ^a	%	81-112
MP30207-S2	7439-92-1	Lead	MSD	RPD	5.6	%	20
MP30207-D1	7439-92-1	Lead	DUP	RPD	2.8	%	20
MP30207-D2	7439-92-1	Lead	DUP	RPD	.5	%	20

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

* Sample used for QC is not from job FA31671

5.2
5

Metals Analysis

9

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31671
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
Analyst: LM Run ID: MA12998
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:07	MA12998-STD1	1		STDA
10:11	MA12998-STD2	1		STDB
10:18	MA12998-STD3	1		STDD
10:25	MA12998-STD4	1		STDC
10:29	MA12998-HSTD1	1		
10:36	MA12998-ICV1	1		
10:43	MA12998-ICB1	1		
10:46	MA12998-CR1A1	1		
10:53	MA12998-ICSA1	1		
10:58	MA12998-ICSAB1	1		
11:08	MA12998-CCV1	1		
11:16	MA12998-CCB1	1		
11:39	MP30039-MB1	1		
11:43	MP30039-B1	1		
11:47	FA31627-2	1		(sample used for QC only; not part of login FA31671)
11:52	MP30039-D1	1		
11:56	MP30039-SD1	5		
12:01	MP30039-PS1	1		
12:05	MP30039-S1	1		
12:09	MP30039-S2	1		
12:13	ZZZZZZ	1		
12:18	ZZZZZZ	1		
12:22	MA12998-CCV2	1		
12:26	MA12998-CCB2	1		
12:31	ZZZZZZ	1		
12:35	ZZZZZZ	1		
12:40	ZZZZZZ	1		
12:44	ZZZZZZ	1		
12:49	ZZZZZZ	1		
12:53	ZZZZZZ	1		
12:58	ZZZZZZ	1		
13:02	ZZZZZZ	1		
13:06	ZZZZZZ	1		

6.1
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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31671
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA022916M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 02/29/16
Run ID: MA12998
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:11	ZZZZZZ	1		
13:15	MA12998-CCV3	1		
13:19	MA12998-CCB3	1		
13:24	ZZZZZZ	1		
13:29	ZZZZZZ	1		
13:33	ZZZZZZ	1		
13:38	FA31671-37	1		
----->	Last reportable sample/prep for job FA31671			
13:42	ZZZZZZ	1		
13:46	ZZZZZZ	1		
13:51	ZZZZZZ	1		
13:55	MP30042-MB1	1		
14:00	MP30042-B1	1		
14:04	FA31387-1	1		(sample used for QC only; not part of login FA31671)
14:09	MA12998-CCV4	1		
14:13	MA12998-CCB4	1		
14:17	MP30042-D1	1		
14:22	MP30042-SD1	5		
14:27	MP30042-S1	1		
14:31	MP30042-S2	1		
14:36	FA31502-1L	1		(sample used for QC only; not part of login FA31671)
14:40	ZZZZZZ	1		
14:45	ZZZZZZ	1		
14:49	ZZZZZZ	1		
14:54	MP30042-D2	1		
14:58	MP30042-MB2	1		
15:03	MA12998-CCV5	1		
15:07	MA12998-CCB5	1		
15:11	MP30042-B2	1		
15:16	MP30042-MB3	1		
15:20	MP30042-B3	1		
15:25	MP30043-MB1	1		
15:29	MP30043-B1	1		
15:33	FA31659-1	1		(sample used for QC only; not part of login FA31671)

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31671
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA022916M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 02/29/16
Run ID: MA12998
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:38	MP30043-D1	1		
15:42	MP30043-SD1	5		
15:46	MP30043-PS1	1		
15:51	MP30043-S1	1		
15:55	MA12998-CCV6	1		
15:59	MA12998-CCB6	1		
16:04	MP30043-S2	1		
16:08	MA12998-CRIA2	1		
16:12	MA12998-ICSA2	1		
16:17	MA12998-ICSAB2	1		
16:40	MA12998-CCV7	1		
16:44	MA12998-CCB7	1		

-----> Last reportable CCB for job FA31671
Refer to raw data for calibration curve and standards.

6.1
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INTERNAL STANDARD SUMMARY

Login Number: FA31671
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA12998
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:07	MA12998-STD1	5183	39850	3614	2801
10:11	MA12998-STD2	5092	38990	3575	2595
10:18	MA12998-STD3	4594	36028	3497	2100
10:25	MA12998-STD4	4833	36911	3497	2302
10:29	MA12998-HSTD1	4554	35133	3407	2076
10:36	MA12998-ICV1	4713	36505	3488	2251
10:43	MA12998-ICB1	5147 R	39594 R	3605 R	2787 R
10:46	MA12998-CR1A1	4942	37513	3465	2584
10:53	MA12998-ICSA1	4348	32928	3313	1984
10:58	MA12998-ICSAB1	4409	32918	3263	1980
11:08	MA12998-CCV1	4773	36688	3440	2266
11:16	MA12998-CCB1	5113	38833	3477	2757
11:39	MP30039-MB1	4950	38396	3421	2682
11:43	MP30039-B1	4768	36666	3392	2359
11:47	FA31627-2	4652	36454	3404	2384
11:52	MP30039-D1	4737	37066	3391	2444
11:56	MP30039-SD1	4808	37586	3404	2575
12:01	MP30039-PS1	4757	37576	3473	2405
12:05	MP30039-S1	4704	36299	3290	2285
12:09	MP30039-S2	4648	35571	3235	2257
12:13	ZZZZZZ	4591	36140	3329	2354
12:18	ZZZZZZ	4804	37889	3510	2479
12:22	MA12998-CCV2	4821	37110	3447	2317
12:26	MA12998-CCB2	4945	38130	3394	2710
12:31	ZZZZZZ	4743	37394	3416	2449
12:35	ZZZZZZ	4789	37973	3492	2508
12:40	ZZZZZZ	4483	35201	3387	2247
12:44	ZZZZZZ	4699	36371	3304	2450
12:49	ZZZZZZ	4791	37997	3420	2519
12:53	ZZZZZZ	4647	37110	3418	2393
12:58	ZZZZZZ	4704	37066	3444	2441
13:02	ZZZZZZ	4582	36514	3394	2368
13:06	ZZZZZZ	4648	36791	3388	2381

INTERNAL STANDARD SUMMARY

Login Number: FA31671
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA12998
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:11	ZZZZZZ	4724	37784	3416	2510
13:15	MA12998-CCV3	4719	37589	3424	2300
13:19	MA12998-CCB3	4991	39611	3574	2750
13:24	ZZZZZZ	4470	35119	3258	2236
13:29	ZZZZZZ	4759	37356	3281	2532
13:33	ZZZZZZ	4760	37970	3350	2541
13:38	FA31671-37	4717	37389	3337	2512
13:42	ZZZZZZ	4779	37820	3363	2541
13:46	ZZZZZZ	4625	36736	3319	2425
13:51	ZZZZZZ	4567	36537	3314	2364
13:55	MP30042-MB1	4893	39528	3461	2715
14:00	MP30042-B1	4784	38198	3497	2434
14:04	FA31387-1	4690	36619	3370	2400
14:09	MA12998-CCV4	4698	36962	3373	2293
14:13	MA12998-CCB4	4851	38740	3421	2697
14:17	MP30042-D1	4648	36325	3359	2390
14:22	MP30042-SD1	4803	37716	3372	2583
14:27	MP30042-S1	4588	36409	3354	2264
14:31	MP30042-S2	4632	37059	3468	2286
14:36	FA31502-1L	4659	36988	3413	2421
14:40	ZZZZZZ	4662	36957	3423	2426
14:45	ZZZZZZ	4598	36549	3383	2401
14:49	ZZZZZZ	4634	36794	3442	2394
14:54	MP30042-D2	4571	35983	3324	2376
14:58	MP30042-MB2	4635	37035	3400	2423
15:03	MA12998-CCV5	4665	37254	3389	2298
15:07	MA12998-CCB5	4827	38974	3468	2696
15:11	MP30042-B2	4569	36234	3389	2269
15:16	MP30042-MB3	4585	36566	3366	2398
15:20	MP30042-B3	4525	36236	3357	2250
15:25	MP30043-MB1	4844	39560	3473	2743
15:29	MP30043-B1	4757	37903	3366	2442
15:33	FA31659-1	5569	43358	3924	2359

INTERNAL STANDARD SUMMARY

Login Number: FA31671
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA12998
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:38	MP30043-D1	5446	42792	3908	2369
15:42	MP30043-SD1	5017	39917	3543	2536
15:46	MP30043-PS1	5574	43665	3900	2365
15:51	MP30043-S1	5448	42712	3876	2296
15:55	MA12998-CCV6	4558	36959	3347	2262
15:59	MA12998-CCB6	4798	38786	3331	2704
16:04	MP30043-S2	5429	41738	3778	2282
16:08	MA12998-CRIA2	4693	38245	3383	2573
16:12	MA12998-ICSA2	4164	33194	3145	1992
16:17	MA12998-ICSAB2	4172	33019	3046	1970
16:40	MA12998-CCV7	4583	37188	3290	2285
16:44	MA12998-CCB7	4792	38714	3279	2722

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.1.1
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31671
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA022916M1.ICP
 QC Limits: result < RL

Date Analyzed: 02/29/16
 Run ID: MA12998

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		10:43		11:16		12:26		13:19		
	Sample ID:	RL	IDL	ICB1	final	CCB1	final	CCB2	final	CCB3	final
Aluminum	200	14									
Antimony	6.0	1									
Arsenic	10	1.3	anr								
Barium	200	1	anr								
Beryllium	4.0	.2									
Cadmium	5.0	.2	anr								
Calcium	1000	50									
Chromium	10	1	anr								
Cobalt	50	.2									
Copper	25	1	anr								
Iron	300	17	anr								
Lead	5.0	1	0.30	<5.0	-0.10	<5.0	-0.10	<5.0	-0.20	<5.0	
Magnesium	5000	35									
Manganese	15	.5	anr								
Molybdenum	50	.3									
Nickel	40	.4									
Potassium	10000	200									
Selenium	10	2.4	anr								
Silver	10	.7	anr								
Sodium	10000	500									
Strontium	10	.5									
Thallium	10	1.1									
Tin	50	.9									
Titanium	10	.5									
Vanadium	50	.5									
Zinc	20	3	anr								

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31671
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA022916M1.ICP
QC Limits: result < RL

Date Analyzed: 02/29/16
Run ID: MA12998

Methods: SW846 6010C
Units: ug/l

Metal	RL	IDL	Time:							
			Sample ID:	14:13 CCB4	15:07 CCB5	15:59 CCB6	16:44 CCB7	raw	final	raw
Aluminum	200	14								
Antimony	6.0	1								
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2								
Cadmium	5.0	.2	anr							
Calcium	1000	50								
Chromium	10	1	anr							
Cobalt	50	.2								
Copper	25	1	anr							
Iron	300	17	anr							
Lead	5.0	1	-0.20	<5.0	0.0	<5.0	0.10	<5.0	-0.20	<5.0
Magnesium	5000	35								
Manganese	15	.5	anr							
Molybdenum	50	.3								
Nickel	40	.4								
Potassium	10000	200								
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500								
Strontium	10	.5								
Thallium	10	1.1								
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5								
Zinc	20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

6.1.2
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31671
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA12998 Units: ug/l

Metal	Time:		10:36		11:08		12:22		
	Sample ID:	ICV	ICV1	Results	CCV	CCV1	CCV2	Results	
	True		% Rec	True		% Rec	True	% Rec	
Aluminum									
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	2000	2060	103.0	2000	2040	102.0	2000	1990	99.5
Magnesium									
Manganese	anr								
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31671
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA12998 Units: ug/l

Metal	Sample ID	Time: CCV	13:15 CCV3		14:09 CCV4		15:03 CCV5			
			Results	% Rec	Results	% Rec	Results	% Rec		
Aluminum										
Antimony										
Arsenic	anr									
Barium	anr									
Beryllium										
Cadmium	anr									
Calcium										
Chromium	anr									
Cobalt										
Copper	anr									
Iron	anr									
Lead	2000		1990	99.5	2000	1990	99.5	2000	1990	99.5
Magnesium										
Manganese	anr									
Molybdenum										
Nickel										
Potassium										
Selenium	anr									
Silver	anr									
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc	anr									

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31671
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA12998 Units: ug/l

Metal	Sample ID	CCV	15:55		16:40	
			CCV6	Results	CCV7	Results
		True	% Rec	True	% Rec	
Aluminum						
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	anr					
Iron	anr					
Lead	2000	2020	101.0	2000	1980	99.0
Magnesium						
Manganese	anr					
Molybdenum						
Nickel						
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA31671
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA12998 Units: ug/l

Time:	10:29
Sample ID:	HSTD1
Metal	True
Results	% Rec

Aluminum			
Antimony			
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium	anr		
Calcium			
Chromium	anr		
Cobalt			
Copper	anr		
Iron	anr		
Lead	4000	4060	101.5
Magnesium			
Manganese	anr		
Molybdenum			
Nickel			
Potassium			
Selenium	anr		
Silver	anr		
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA31671
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA12998 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	10:46 CRIA1 Results	% Rec	16:08 CRIA2 Results	% Rec
Metal						
Aluminum	400	200				
Antimony	10	5.0				
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0	anr			
Calcium	2000	1000				
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	5.4	108.0	5.3	106.0
Magnesium	10000	5000				
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000				
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000				
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA31671
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA12998 Units: ug/l

Time:	10:53	10:58	16:12	16:17						
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2						
Metal	True	True	Results	% Rec						
Aluminum	500000	500000	519000	103.8	511000	102.2	530000	106.0	538000	107.6
Antimony		1000	1.2		1020	102.0	3.7		1050	105.0
Arsenic		1000	-0.90		1090	109.0	-1.0		1100	110.0
Barium		500	-0.10		568	113.6	-0.30		597	119.4
Beryllium		500	-0.10		565	113.0	0.0		569	113.8
Cadmium		1000	-0.50		1010	101.0	-1.4		1040	104.0
Calcium	500000	500000	497000	99.4	490000	98.0	483000	96.6	485000	97.0
Chromium		500	0.60		533	106.6	0.80		530	106.0
Cobalt		500	-0.30		508	101.6	-0.40		541	108.2
Copper		500	0.0		594	118.8	0.60		612	122.4*(a)
Iron	200000	200000	196000	98.0	191000	95.5	197000	98.5	196000	98.0
Lead		1000	0.10		1030	103.0	-5.2		995	99.5
Magnesium	500000	500000	534000	106.8	525000	105.0	513000	102.6	514000	102.8
Manganese		500	-0.10		563	112.6	-0.40		540	108.0
Molybdenum		1000	-0.40		962	96.2	-0.50		1030	103.0
Nickel		1000	0.40		1010	101.0	0.30		1030	103.0
Potassium			2.4		3.1		45.4		4.3	
Selenium		1000	0.0		1010	101.0	-0.20		1050	105.0
Silver		1000	-0.30		1090	109.0	-0.80		1100	110.0
Sodium			139		160		159		165	
Strontium		1000	0.20		1050	105.0	0.10		1030	103.0
Thallium		1000	-0.50		967	96.7	1.6		935	93.5
Tin		1000	1.6		948	94.8	1.4		932	93.2
Titanium		1000	-0.30		1040	104.0	-0.20		995	99.5
Vanadium		500	0.10		511	102.2	0.60		488	97.6
Zinc		1000	-2.6		1030	103.0	-3.4		1030	103.0

(*) Outside of QC limits
(anr) Analyte not requested
(a) Possible instrument baseline drift.

6.1.6
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31671
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040516M1.ICP
 Analyst: LM
 Parameters: Pb

Date Analyzed: 04/05/16 Methods: SW846 6010C
 Run ID: MA13075

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:13	MA13075-STD1	1		STDA
09:17	MA13075-STD2	1		STDB
09:21	MA13075-STD3	1		STDC
09:25	MA13075-STD4	1		STDD
09:30	MA13075-HSTD1	1		
09:38	MA13075-ICV1	1		
09:46	MA13075-ICB1	1		
09:50	MA13075-CR1A1	1		
09:57	MA13075-ICSA1	1		
10:03	MA13075-ICSAB1	1		
10:10	MA13075-CCV1	1		
10:17	MA13075-CCB1	1		
10:28	ZZZZZZ	4		
10:32	ZZZZZZ	2		
10:36	ZZZZZZ	4		
10:41	ZZZZZZ	2		
10:45	ZZZZZZ	4		
10:49	ZZZZZZ	4		
10:54	ZZZZZZ	2		
10:58	ZZZZZZ	2		
11:02	ZZZZZZ	10		
11:07	MA13075-CCV2	1		
11:11	MA13075-CCB2	1		
11:16	ZZZZZZ	5		
11:20	MP30204-MB1	1		
11:24	MP30204-B1	1		
11:29	FA32638-9	1		(sample used for QC only; not part of login FA31671)
11:33	MP30204-D1	1		
11:37	MP30204-SD1	5		
11:42	MP30204-PS1	1		
11:46	MP30204-S1	1		
11:50	MP30204-S2	1		
11:55	ZZZZZZ	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31671
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040516M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 04/05/16
Run ID: MA13075
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:59	MA13075-CCV3	1		
12:03	MA13075-CCB3	1		
12:08	ZZZZZZ	1		
12:12	ZZZZZZ	1		
12:17	ZZZZZZ	1		
12:21	ZZZZZZ	1		
12:26	ZZZZZZ	1		
12:30	ZZZZZZ	1		
12:35	ZZZZZZ	1		
12:39	ZZZZZZ	1		
12:43	ZZZZZZ	1		
12:48	ZZZZZZ	1		
12:52	MA13075-CCV4	1		
12:57	MA13075-CCB4	1		
13:01	ZZZZZZ	1		
13:06	ZZZZZZ	1		
13:10	ZZZZZZ	1		
13:15	ZZZZZZ	1		
13:19	ZZZZZZ	1		
13:24	ZZZZZZ	1		
13:28	ZZZZZZ	1		
13:35	ZZZZZZ	1		
13:40	MA13075-CCV5	1		
13:44	MA13075-CCB5	1		
14:14	MA13075-ICV2	1		
14:20	MA13075-CCV6	1		
14:28	MA13075-CCB6	1		
14:36	MP30207-MB1	5		
14:41	MP30207-B1	5		
14:45	FA31671-1	5		
14:50	MP30207-D1	5		
14:54	MP30207-D2	5		
14:58	MP30207-SD1	25		

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31671
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040516M1.ICP Date Analyzed: 04/05/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13075
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:03	MP30207-PS1	5		
15:07	MP30207-S1	5		
15:11	MP30207-S2	5		
15:15	FA31671-5	5		
15:20	MA13075-CCV7	1		
15:24	MA13075-CCB7	1		
15:29	FA31671-8	5		
15:33	FA31671-11	5		
15:37	FA31671-15	5		
15:42	FA31671-18	5		
15:46	FA31671-22	5		
15:50	FA31671-24	5		
15:55	FA31671-26	5		
15:59	FA31671-29	5		
16:03	FA31671-33	5		
16:08	FA31671-38	5		
----->	Last reportable sample/prep for job FA31671			
16:12	MA13075-CCV8	1		
16:17	MA13075-CCB8	1		
16:21	ZZZZZZ	5		
16:25	ZZZZZZ	5		
16:30	ZZZZZZ	5		
16:34	ZZZZZZ	5		
16:39	ZZZZZZ	5		
16:43	ZZZZZZ	5		
16:47	MA13075-CRIA2	1		
16:52	MA13075-ICSA2	1		
16:56	MA13075-ICSAB2	1		
17:01	MA13075-CCV9	1		
17:05	MA13075-CCB9	1		
----->	Last reportable CCB for job FA31671			
	Refer to raw data for calibration curve and standards.			

6.2
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INTERNAL STANDARD SUMMARY

Login Number: FA31671
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040516M1.ICP Date Analyzed: 04/05/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13075
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:13	MA13075-STD1	5247	41674	4327	2716
09:17	MA13075-STD2	5180	41223	4320	2592
09:21	MA13075-STD3	5002	40180	4296	2382
09:25	MA13075-STD4	4807	39025	4160	2222
09:30	MA13075-HSTD1	4799	38968	4136	2213
09:38	MA13075-ICV1	4967	39874	4186	2368
09:46	MA13075-ICB1	5258 R	41746 R	4209 R	2744 R
09:50	MA13075-CR1A1	5199	40933	4169	2662
09:57	MA13075-ICSA1	4646	35926	3961	2167
10:03	MA13075-ICSAB1	4606	36231	4005	2135
10:10	MA13075-CCV1	4834	38942	4127	2337
10:17	MA13075-CCB1	5130	41277	4293	2700
10:28	ZZZZZZ	5598	44402	4645	2632
10:32	ZZZZZZ	5944	46860	4954	2651
10:36	ZZZZZZ	5615	44645	4683	2642
10:41	ZZZZZZ	5734	45294	4774	2612
10:45	ZZZZZZ	5609	44647	4606	2654
10:49	ZZZZZZ	5631	44952	4685	2626
10:54	ZZZZZZ	5712	45536	4747	2610
10:58	ZZZZZZ	4999	40196	4326	2371
11:02	ZZZZZZ	5766	46118	4720	2645
11:07	MA13075-CCV2	4904	39665	4206	2377
11:11	MA13075-CCB2	5141	41348	4250	2698
11:16	ZZZZZZ	6026	47976	4980	2590
11:20	MP30204-MB1	5115	41268	4205	2697
11:24	MP30204-B1	4925	39460	4134	2449
11:29	FA32638-9	5053	41190	4240	2624
11:33	MP30204-D1	5103	41411	4243	2641
11:37	MP30204-SD1	5164	41807	4222	2701
11:42	MP30204-PS1	5031	40641	4181	2570
11:46	MP30204-S1	4910	39665	4150	2420
11:50	MP30204-S2	4922	39772	4184	2422
11:55	ZZZZZZ	5155	41513	4246	2671

INTERNAL STANDARD SUMMARY

Login Number: FA31671
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040516M1.ICP Date Analyzed: 04/05/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13075
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:59	MA13075-CCV3	4953	39526	4154	2394
12:03	MA13075-CCB3	5134	41132	4167	2708
12:08	ZZZZZZ	5153	41588	4288	2656
12:12	ZZZZZZ	5153	41756	4262	2690
12:17	ZZZZZZ	5144	40730	4239	2515
12:21	ZZZZZZ	5114	40853	4161	2631
12:26	ZZZZZZ	6167	48474	5095	2415
12:30	ZZZZZZ	5025	39767	4169	2487
12:35	ZZZZZZ	5199	41813	4271	2678
12:39	ZZZZZZ	5185	41656	4222	2697
12:43	ZZZZZZ	5208	41681	4195	2684
12:48	ZZZZZZ	5220	41932	4197	2720
12:52	MA13075-CCV4	4962	39792	4124	2366
12:57	MA13075-CCB4	5242	41699	4157	2720
13:01	ZZZZZZ	5241	41104	4248	2548
13:06	ZZZZZZ	5209	41541	4174	2647
13:10	ZZZZZZ	6218	48971	5147	2418
13:15	ZZZZZZ	5132	40204	4183	2513
13:19	ZZZZZZ	4732	37287	3994	2243
13:24	ZZZZZZ	4450	35511	3892	2097
13:28	ZZZZZZ	4831	38604	4022	2360
13:35	ZZZZZZ	4727	37976	3986	2308
13:40	MA13075-CCV5	4965	39718	4051	2379
13:44	MA13075-CCB5	5212	41450	4153	2703
14:14	MA13075-ICV2	4971	39709	4009	2358
14:20	MA13075-CCV6	5034	39999	4050	2369
14:28	MA13075-CCB6	5281	41523	4052	2716
14:36	MP30207-MB1	5363	42294	4136	2709
14:41	MP30207-B1	5366	41878	4090	2677
14:45	FA31671-1	5506	43059	4232	2631
14:50	MP30207-D1	5468	42940	4266	2611
14:54	MP30207-D2	5509	42969	4257	2634
14:58	MP30207-SD1	5432	42299	4118	2702

6.2.1
6

INTERNAL STANDARD SUMMARY

Login Number: FA31671
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040516M1.ICP Date Analyzed: 04/05/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13075
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:03	MP30207-PS1	5508	42721	4222	2612
15:07	MP30207-S1	5498	42918	4287	2567
15:11	MP30207-S2	5530	42827	4186	2590
15:15	FA31671-5	5460	42608	4159	2671
15:20	MA13075-CCV7	5155	40829	4052	2398
15:24	MA13075-CCB7	5378	42195	4091	2720
15:29	FA31671-8	5480	42854	4222	2628
15:33	FA31671-11	5537	43143	4257	2613
15:37	FA31671-15	5517	43091	4178	2612
15:42	FA31671-18	5596	43577	4294	2611
15:46	FA31671-22	5523	42903	4197	2649
15:50	FA31671-24	5533	42846	4170	2647
15:55	FA31671-26	5550	42935	4234	2648
15:59	FA31671-29	5579	43478	4230	2637
16:03	FA31671-33	5538	42746	4160	2652
16:08	FA31671-38	5643	43645	4227	2594
16:12	MA13075-CCV8	5185	40394	4015	2399
16:17	MA13075-CCB8	5402	41919	4043	2730
16:21	ZZZZZZ	5474	42354	4082	2683
16:25	ZZZZZZ	5602	43229	4162	2660
16:30	ZZZZZZ	5603	43131	4189	2663
16:34	ZZZZZZ	5623	43612	4217	2616
16:39	ZZZZZZ	5540	42589	4112	2652
16:43	ZZZZZZ	5480	42477	4124	2610
16:47	MA13075-CRIA2	5398	41966	4088	2666
16:52	MA13075-ICSA2	4808	36877	3791	2171
16:56	MA13075-ICSAB2	4780	36577	3759	2131
17:01	MA13075-CCV9	5159	40483	3978	2387
17:05	MA13075-CCB9	5390	42281	4012	2736

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31671
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040516M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/05/16
 Run ID: MA13075

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	09:46 ICB1		10:17 CCB1		11:11 CCB2		12:03 CCB3	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14	anr							
Antimony		6.0	1	anr							
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2	anr							
Cadmium		4.0	.2	anr							
Calcium		1000	50	anr							
Chromium		10	1	anr							
Cobalt		50	.2	anr							
Copper		25	1	anr							
Iron		300	17	anr							
Lead		5.0	1	0.0	<20	0.10	<20	-0.30	<5.0	-0.40	<5.0
Magnesium		5000	35	anr							
Manganese		15	.5	anr							
Molybdenum		50	.3	anr							
Nickel		40	.4	anr							
Potassium		10000	200	anr							
Selenium		10	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500	anr							
Strontium		10	.5	anr							
Thallium		10	1.1	anr							
Tin		50	.9	anr							
Titanium		10	.5	anr							
Vanadium		50	.5	anr							
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31671
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040516M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/05/16
 Run ID: MA13075

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	12:57 CCB4		13:44 CCB5		14:28 CCB6		15:24 CCB7	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14	anr							
Antimony		6.0	1	anr							
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2	anr							
Cadmium		4.0	.2	anr							
Calcium		1000	50								
Chromium		10	1	anr							
Cobalt		50	.2								
Copper		25	1								
Iron		300	17	anr							
Lead		5.0	1	0.0	<5.0	-0.10	<5.0	-0.20	<5.0	0.30	<5.0
Magnesium		5000	35								
Manganese		15	.5	anr							
Molybdenum		50	.3								
Nickel		40	.4	anr							
Potassium		10000	200								
Selenium		10	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500	anr							
Strontium		10	.5								
Thallium		10	1.1								
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31671
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040516M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/05/16
 Run ID: MA13075

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		16:17		17:05	
	Sample ID:	RL	IDL	CCB8	CCB9	final
Aluminum	200	14	anr			
Antimony	6.0	1	anr			
Arsenic	10	1.3	anr			
Barium	200	1	anr			
Beryllium	4.0	.2	anr			
Cadmium	4.0	.2	anr			
Calcium	1000	50				
Chromium	10	1	anr			
Cobalt	50	.2				
Copper	25	1				
Iron	300	17	anr			
Lead	5.0	1	0.0	<5.0	-0.50	<5.0
Magnesium	5000	35				
Manganese	15	.5	anr			
Molybdenum	50	.3				
Nickel	40	.4	anr			
Potassium	10000	200				
Selenium	10	2.4	anr			
Silver	10	.7	anr			
Sodium	10000	500	anr			
Strontium	10	.5				
Thallium	10	1.1				
Tin	50	.9				
Titanium	10	.5				
Vanadium	50	.5				
Zinc	20	3	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31671
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040516M1.ICP Date Analyzed: 04/05/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13075 Units: ug/l

Metal	Time: Sample ID: ICV	09:38		CCV True	10:10		CCV True	11:07	
		ICV1 Results	% Rec		CCV1 Results	% Rec		CCV2 Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	2010	100.5	2000	2080	104.0	2000	2050	102.5
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium	anr								
Thallium	anr								
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31671
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040516M1.ICP Date Analyzed: 04/05/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13075 Units: ug/l

Metal	Sample ID	Time: CCV	11:59 CCV3		12:52 CCV4		13:40 CCV5			
			True	Results % Rec	True	Results % Rec	True	Results % Rec		
Aluminum		anr								
Antimony		anr								
Arsenic		anr								
Barium		anr								
Beryllium		anr								
Cadmium		anr								
Calcium										
Chromium		anr								
Cobalt										
Copper										
Iron		anr								
Lead	2000		2040	102.0	2000	2080	104.0	2000	2050	102.5
Magnesium										
Manganese		anr								
Molybdenum										
Nickel		anr								
Potassium										
Selenium		anr								
Silver		anr								
Sodium		anr								
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc		anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31671
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040516M1.ICP Date Analyzed: 04/05/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13075 Units: ug/l

Metal	Time: Sample ID: ICV	14:14		CCV True	14:20		CCV True	15:20	
		ICV2	Results		CCV6	Results		CCV7	Results
		True	% Rec		% Rec			% Rec	
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper									
Iron	anr								
Lead	2000	2000	100.0	2000	2000	100.0	2000	1980	99.0
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31671
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040516M1.ICP Date Analyzed: 04/05/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13075 Units: ug/l

Metal	Time:		16:12		17:01	
	Sample ID:	CCV	CCV8	% Rec	CCV	CCV9
	True	Results	% Rec	True	Results	% Rec
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper						
Iron	anr					
Lead	2000	1990	99.5	2000	1980	99.0
Magnesium						
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium						
Selenium	anr					
Silver	anr					
Sodium	anr					
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA31671
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040516M1.ICP Date Analyzed: 04/05/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13075 Units: ug/l

Time:	09:30		
Sample ID:	HSTD	HSTD1	
Metal	HSTD True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	4000	4040	101.0
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium	anr		
Thallium	anr		
Tin	anr		
Titanium	anr		
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA31671
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040516M1.ICP Date Analyzed: 04/05/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13075 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	09:50 CRIA1 Results	% Rec	16:47 CRIA2 Results	% Rec
Metal						
Aluminum	400	200	anr			
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	5.1	102.0	4.4	88.0
Magnesium	10000	5000	anr			
Manganese	30	15	anr			
Molybdenum	100	50	anr			
Nickel	80	40	anr			
Potassium	20000	10000	anr			
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10	anr			
Thallium	20	10	anr			
Tin	100	50	anr			
Titanium	20	10	anr			
Vanadium	100	50	anr			
Zinc	40	20	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA31671
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040516M1.ICP Date Analyzed: 04/05/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13075 Units: ug/l

Time:	09:57		10:03		16:52		16:56			
Sample ID:	ICSAB	ICSAB	ICSAB	ICSAB	ICSAB	ICSAB	ICSAB	ICSAB		
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec		
Aluminum	500000	500000	504000	100.8	497000	99.4	502000	100.4	513000	102.6
Antimony		1000	0.0		1030	103.0	0.0		981	98.1
Arsenic		1000	-1.5		1090	109.0	0.50		1040	104.0
Barium		500	-0.30		498	99.6	0.0		517	103.4
Beryllium		500	-0.10		495	99.0	0.0		496	99.2
Cadmium		1000	0.0		953	95.3	-1.1		913	91.3
Calcium	500000	500000	486000	97.2	481000	96.2	472000	94.4	474000	94.8
Chromium		500	0.10		504	100.8	0.20		498	99.6
Cobalt		500	-0.40		470	94.0	-0.20		461	92.2
Copper		500	-1.3		529	105.8	-0.40		537	107.4
Iron	200000	200000	184000	92.0	181000	90.5	184000	92.0	184000	92.0
Lead		1000	0.10		943	94.3	-5.6		923	92.3
Magnesium	500000	500000	514000	102.8	508000	101.6	526000	105.2	535000	107.0
Manganese		500	0.0		509	101.8	-0.30		491	98.2
Molybdenum		1000	0.20		941	94.1	1.3		927	92.7
Nickel		1000	-0.30		954	95.4	0.40		902	90.2
Potassium			-15		10.7		81.6		39.2	
Selenium		1000	-0.10		1020	102.0	1.7		986	98.6
Silver		1000	-0.30		1010	101.0	-0.10		1010	101.0
Sodium			146		153		118		116	
Strontium		1000	0.30		1030	103.0	0.10		990	99.0
Thallium		1000	0.0		955	95.5	-1.3		932	93.2
Tin		1000	0.70		942	94.2	1.3		935	93.5
Titanium		1000	-1.0		1020	102.0	0.30		982	98.2
Vanadium		500	-0.10		474	94.8	0.60		454	90.8
Zinc		1000	-3.0		964	96.4	-3.1		891	89.1

(*) Outside of QC limits
(anr) Analyte not requested

6.2.6
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA31671
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30039
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/29/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	14	14		
Antimony	6.0	1	1		
Arsenic	10	1.3	1.3		
Barium	200	1	1		
Beryllium	4.0	.2	.2		
Cadmium	5.0	.2	.2		
Calcium	1000	50	50		
Chromium	10	1	1		
Cobalt	50	.2	.2		
Copper	25	1	1		
Iron	300	17	17		
Lead	5.0	1	1.1	0.10	<5.0
Magnesium	5000	35	35		
Manganese	15	.5	1		
Molybdenum	50	.3	.3		
Nickel	40	.4	.4		
Potassium	10000	200	200		
Selenium	10	2.4	2.9		
Silver	10	.7	.7		
Sodium	10000	500	500		
Strontium	10	.5	.5		
Thallium	10	1.1	1.4		
Tin	50	.9	1		
Titanium	10	.5	1		
Vanadium	50	.5	.6		
Zinc	20	3	4.4		

Associated samples MP30039: FA31671-37

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.3.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31671
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30039
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 02/29/16 02/29/16

Metal	FA31627-2 Original DUP	RPD	QC Limits	FA31627-2 Original MS	Spikelot MPFLICP2 % Rec	QC Limits
Aluminum						
Antimony						
Arsenic	anr					
Barium						
Beryllium						
Cadmium	anr					
Calcium						
Chromium						
Cobalt						
Copper	anr					
Iron	anr					
Lead	0.0 0.0	NC	0-20	0.0 507	500	101.4 80-120
Magnesium						
Manganese	anr					
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP30039: FA31671-37

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.3.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31671
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30039
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 02/29/16

Metal	FA31627-2 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit		
Aluminum						
Antimony						
Arsenic	anr					
Barium						
Beryllium						
Cadmium	anr					
Calcium						
Chromium						
Cobalt						
Copper	anr					
Iron	anr					
Lead	0.0	516	500	103.2	1.8	20
Magnesium						
Manganese	anr					
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP30039: FA31671-37

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.3.2
 6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA31671
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30039
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 02/29/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium				
Beryllium				
Cadmium	anr			
Calcium				
Chromium				
Cobalt				
Copper	anr			
Iron	anr			
Lead	515	500	103.0	80-120
Magnesium				
Manganese	anr			
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP30039: FA31671-37

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.3.3
 6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA31671
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30039
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 02/29/16

Metal	FA31627-2	Original	SDL 1:5	%DIF	QC Limits
Aluminum					
Antimony					
Arsenic	anr				
Barium					
Beryllium					
Cadmium	anr				
Calcium					
Chromium					
Cobalt					
Copper	anr				
Iron	anr				
Lead	0.00	0.00	NC		0-10
Magnesium					
Manganese	anr				
Molybdenum					
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc	anr				

Associated samples MP30039: FA31671-37

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.3.4
 6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA31671
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30039
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date:

02/29/16

Metal	Sample ml	Final ml	FA31627-2 Raw	PS Corr.** ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	9.8	10		49.2	0.2	2.5	50	98.4	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP30039: FA31671-37

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (**) Corr. sample result = Raw * (sample volume / final volume)
 (anr) Analyte not requested

6.3.5
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA31671
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30207
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 04/05/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.4	3.5		
Antimony	2.0	.1	.13		
Arsenic	1.0	.13	.2		
Barium	20	.1	.1		
Beryllium	0.50	.02	.05		
Cadmium	0.40	.02	.05		
Calcium	500	5	5		
Chromium	1.0	.1	.1		
Cobalt	5.0	.02	.05		
Copper	2.5	.1	.1		
Iron	30	1.7	1.7		
Lead	2.0	.1	.1	-0.032	<2.0
Magnesium	500	3.5	3.6		
Manganese	1.5	.05	.05		
Molybdenum	5.0	.03	.05		
Nickel	4.0	.04	.05		
Potassium	1000	20	20		
Selenium	2.0	.24	.24		
Silver	1.0	.07	.082		
Sodium	1000	50	50		
Strontium	1.0	.05	.05		
Thallium	1.0	.11	.11		
Tin	5.0	.09	.09		
Titanium	1.0	.05	.05		
Vanadium	5.0	.05	.05		
Zinc	2.0	.3	.3		

Associated samples MP30207: FA31671-1, FA31671-5, FA31671-8, FA31671-11, FA31671-15, FA31671-18, FA31671-22, FA31671-24, FA31671-26, FA31671-29, FA31671-33, FA31671-38

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.4.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31671
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30207
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/05/16 04/05/16

Metal	FA31671-1		RPD	QC Limits	FA31671-1		QC Limits	
	Original	DUP			Original	DUP		
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead	60.8	59.1	2.8	0-20	60.8	60.5	0.5	0-20
Magnesium								
Manganese								
Molybdenum								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Strontium								
Thallium								
Tin								
Titanium								
Vanadium								
Zinc								

Associated samples MP30207: FA31671-1, FA31671-5, FA31671-8, FA31671-11, FA31671-15, FA31671-18, FA31671-22, FA31671-24, FA31671-26, FA31671-29, FA31671-33, FA31671-38

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.4.2
 6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31671
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30207
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/05/16

Metal	FA31671-1 Original MS	Spikelot MPFLICP2 % Rec	QC Limits
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead	60.8 72.1	9.58	118.0(a) 80-120
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

Associated samples MP30207: FA31671-1, FA31671-5, FA31671-8, FA31671-11, FA31671-15, FA31671-18, FA31671-22, FA31671-24, FA31671-26, FA31671-29, FA31671-33, FA31671-38

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

6.4.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31671
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30207
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/05/16

Metal	FA31671-1 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	60.8 68.2	9.42 78.6 (a)	5.6	20
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30207: FA31671-1, FA31671-5, FA31671-8, FA31671-11, FA31671-15, FA31671-18, FA31671-22, FA31671-24, FA31671-26, FA31671-29, FA31671-33, FA31671-38

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested
 (a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

6.4.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA31671
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30207
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/05/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	9.5	10	95.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30207: FA31671-1, FA31671-5, FA31671-8, FA31671-11, FA31671-15, FA31671-18, FA31671-22, FA31671-24, FA31671-26, FA31671-29, FA31671-33, FA31671-38

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.3
6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA31671
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30207
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 04/05/16

Metal	FA31671-1	QC
	Original SDL 5:25 %DIF	Limits

Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	3170	3100	2.1	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30207: FA31671-1, FA31671-5, FA31671-8, FA31671-11, FA31671-15, FA31671-18, FA31671-22, FA31671-24, FA31671-26, FA31671-29, FA31671-33, FA31671-38

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA31671
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30207
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date:

04/05/16

Metal	Sample ml	Final ml	FA31671-1 Raw	PS Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead	9.8	10	3168	3104.64	3275	0.2	2.5	50	340.7*(a)	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP30207: FA31671-1, FA31671-5, FA31671-8, FA31671-11, FA31671-15, FA31671-18, FA31671-22, FA31671-24, FA31671-26, FA31671-29, FA31671-33, FA31671-38

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(**) Corr. sample result = Raw * (sample volume / final volume)

(anr) Analyte not requested

(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

6.4.5
6

Instrument Detection Limits

Job Number: FA31671
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1	Effective Date: 01/27/15
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Analyte	IDL ug/l
Aluminum	14
Antimony	1
Arsenic	1.3
Barium	1
Beryllium	.2
Cadmium	.2
Calcium	50
Chromium	1
Cobalt	.2
Copper	1
Iron	17
Lead	1
Magnesium	35
Manganese	.5
Molybdenum	.3
Nickel	.4
Potassium	200
Selenium	2.4
Silicon	5
Silver	.7
Sodium	500
Strontium	.5
Sulfur	5
Thallium	1.1
Tin	.9
Titanium	.5
Vanadium	.5
Zinc	3

The above applies to the following instrument runs:
MA12998,MA13075

6.5
6

Instrument Linear Ranges

Job Number: FA31671
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1

Effective Date: 08/13/13

Analyte	Linear Range ug/l
Aluminum	500000
Antimony	10000
Arsenic	10000
Barium	10000
Beryllium	10000
Cadmium	10000
Calcium	500000
Chromium	10000
Cobalt	10000
Copper	10000
Iron	500000
Lead	10000
Magnesium	500000
Manganese	10000
Molybdenum	10000
Nickel	10000
Potassium	80000
Selenium	10000
Silver	1000
Sodium	80000
Strontium	10000
Sulfur	10000
Thallium	10000
Tin	10000
Titanium	10000
Vanadium	10000
Zinc	10000

The above applies to the following instrument runs:
MA12998,MA13075

Metals Analysis

Raw Data

Sample Name: Blank Acquired: 2/29/2016 10:07:20 Type: Cal
Method: 60102007_042011(v887) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0002	.0009	-0.0006	.0062	.0004	.0032	-0.0012	-0.0007	-0.0001
Stddev	.0003	.0017	.0002	.0018	.0002	.0001	.0003	.0002	.0002
%RSD	186.3	199.9	28.97	29.00	41.16	4.303	21.83	28.52	106.0
#1	.0005	-0.0011	-0.0006	.0078	.0006	.0032	-0.0013	-0.0009	-0.0003
#2	-0.0001	.0017	-0.0004	.0043	.0002	.0034	-0.0014	-0.0005	.0000
#3	.0001	.0021	-0.0008	.0066	.0005	.0031	-0.0009	-0.0008	-0.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0072	.0022	-0.0031	-0.0004	.0008	.0014	-0.0175	-0.0002	.0004
Stddev	.0002	.0008	.0028	.0011	.0000	.0001	.0066	.0001	.0000
%RSD	3.021	36.54	91.39	307.4	5.451	9.391	37.47	38.67	13.00
#1	.0073	.0032	-0.0064	-0.0016	.0008	.0015	-0.0123	-0.0001	.0003
#2	.0069	.0018	-0.0014	.0006	.0008	.0013	-0.0249	-0.0002	.0004
#3	.0073	.0018	-0.0015	.0000	.0008	.0013	-0.0153	-0.0003	.0003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0007	-0.0007	.0077	.0002	.0024	.0025	-0.0011	-0.0008	.0015
Stddev	.0001	.0002	.0001	.0002	.0020	.0002	.0003	.0000	.0000
%RSD	9.180	25.40	1.469	66.74	84.98	7.224	28.30	1.053	2.599
#1	.0007	-0.0007	.0076	.0002	.0041	.0027	-0.0015	-0.0008	.0014
#2	.0006	-0.0008	.0077	.0004	.0028	.0023	-0.0011	-0.0008	.0015
#3	.0006	-0.0005	.0078	.0001	.0002	.0024	-0.0008	-0.0008	.0015
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2801.0	5183.1	3985.0	3614.1					
Stddev	1.1	7.3	39.	11.2					
%RSD	.04004	.14090	.09803	.30951					
#1	2800.6	5191.1	3981.3	3602.3					
#2	2802.3	5181.4	3989.1	3615.3					
#3	2800.1	5176.8	3984.5	3624.6					

Raw Data MA12998 page 1 of 117

Sample Name: LowStd Acquired: 2/29/2016 10:11:06 Type: Cal
Method: 60102007_042011(v887) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0355	1.997	.0964	4.171	6.107	2.598	2.524	1.352	2.905
Stddev	.0001	.006	.0003	.018	.020	.009	.003	.003	.0007
%RSD	.3489	.3080	.3450	.4198	.3266	.3601	.1100	.2332	.2530
#1	.0356	1.992	.0960	4.151	6.112	2.602	2.521	1.348	.2897
#2	.0354	1.997	.0965	4.185	6.084	2.587	2.525	1.352	.2912
#3	.0354	2.004	.0967	4.177	6.123	2.605	2.526	1.354	.2905
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4658	1.584	1.010	2.608	1.673	5.828	3.979	8.528	4.367
Stddev	.0015	.011	.005	.0020	.007	.0009	.008	.0019	.0014
%RSD	.3193	.6721	.5136	.7825	.4059	.1603	.1919	.2219	.3319
#1	.4651	1.580	1.010	2.613	1.665	5.817	3.973	8.506	4.367
#2	.4648	1.577	1.004	2.585	1.676	5.833	3.978	8.539	4.352
#3	.4675	1.596	1.015	2.625	1.678	5.833	3.988	8.538	4.381
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1378	.0684	.1998	2.156	8.459	1.146	1.563	.3977	1.360
Stddev	.0004	.0004	.0004	.0003	.010	.004	.0007	.0010	.002
%RSD	.3026	.5282	.2082	.1239	.1166	.3879	.4629	.2627	.1411
#1	.1373	.0681	.1996	2.154	8.450	1.141	.1570	.3967	1.357
#2	.1381	.0684	.2003	2.159	8.457	1.148	.1556	.3975	1.361
#3	.1380	.0688	.1996	2.155	8.469	1.149	.1564	.3988	1.360
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2594.7	5092.0	3899.0	3574.8					
Stddev	5.9	8.4	161.	22.8					
%RSD	.22743	.16554	.41411	.63752					
#1	2597.7	5098.6	3900.1	3552.8					
#2	2598.6	5094.9	3882.3	3598.3					
#3	2588.0	5082.5	3914.6	3573.2					

Raw Data MA12998 page 2 of 117

Sample Name: HighStd Acquired: 2/29/2016 10:18:03 Type: Cal
Method: 60102007_042011(v887) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2934	17.40	8098	34.64	48.50	22.21	19.97	10.63	2.265
Stddev	.0007	.01	.0022	.05	.04	.04	.03	.02	.009
%RSD	.2388	.0714	.2773	.1450	.0739	.1888	.1535	.1636	.4019
#1	2938	17.40	8073	34.66	48.46	22.23	19.94	10.62	2.265
#2	2926	17.39	8116	34.58	48.53	22.24	19.96	10.63	2.256
#3	2938	17.42	8104	34.68	48.51	22.16	20.00	10.65	2.274
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.676	14.94	8.941	2.230	12.64	4.661	35.18	6.643	3.712
Stddev	.009	.01	.003	.004	.07	.007	.05	.009	.006
%RSD	.2515	.0859	.0280	.1978	.5720	.1570	.1365	.1329	.1733
#1	3.684	14.92	8.943	2.230	12.62	4.653	35.16	6.644	3.712
#2	3.678	14.94	8.941	2.234	12.57	4.665	35.14	6.634	3.705
#3	3.666	14.95	8.938	2.226	12.71	4.667	35.23	6.652	3.718
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.126	5.689	2.117	1.658	68.32	8.875	1.280	3.170	10.72
Stddev	.002	.0008	.005	.001	.07	.032	.003	.007	.02
%RSD	.1629	.1359	.2320	.0677	.1071	.3553	.2299	.2285	.2145
#1	1.128	5.685	2.111	1.659	68.34	8.866	1.280	3.168	10.73
#2	1.124	5.684	2.121	1.657	68.24	8.849	1.278	3.164	10.70
#3	1.125	5.698	2.118	1.659	68.39	8.910	1.284	3.178	10.74
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2099.6	4594.2	3602.8	3497.1					
Stddev	3.1	.8	119.	15.1					
%RSD	.14737	.01792	.33072	.43217					
#1	2096.4	4593.9	3604.5	3495.0					
#2	2102.6	4593.5	3613.8	3483.1					
#3	2099.9	4595.1	3590.1	3513.1					

Raw Data MA12998 page 3 of 117

Sample Name: MidStd Acquired: 2/29/2016 10:25:35 Type: Cal
Method: 60102007_042011(v887) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.461	8.767	4.046	17.34	24.96	11.23	10.30	5.460	1.190
Stddev	.0007	.037	.0014	.05	.08	.05	.03	.016	.005
%RSD	.4829	.4248	.3449	.2974	.3315	.4170	.3167	.2958	.4273
#1	1.468	8.725	4.062	17.33	24.87	11.18	10.34	5.478	1.192
#2	1.458	8.792	4.042	17.40	25.00	11.24	10.29	5.454	1.194
#3	1.455	8.785	4.035	17.30	25.02	11.27	10.28	5.447	1.185
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.866	7.591	4.479	1.134	6.802	2.359	17.55	3.420	1.850
Stddev	.002	.016	.011	.008	.021	.004	.04	.008	.003
%RSD	.1267	.2042	.2444	.7166	.3061	.1687	.2226	.2353	.1497
#1	1.868	7.574	4.469	1.126	6.803	2.363	17.51	3.429	1.853
#2	1.864	7.597	4.478	1.134	6.822	2.357	17.59	3.413	1.849
#3	1.867	7.603	4.491	1.143	6.780	2.356	17.54	3.418	1.848
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5.624	2.845	8.078	8.537	34.81	4.688	6.465	1.622	5.570
Stddev	.0017	.0007	.0032	.					

Sample Name: HSTD Acquired: 2/29/2016 10:29:46 Type: QC
 Method: 60102007_042011(v887) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5048	81.23	4.024	3.993	4.004	80.72	4.002	3.991	4.025
Stddev	.0028	.08	.020	.019	.021	.41	.011	.014	.006
%RSD	.5579	.0970	.4915	.4684	.5161	.5137	.2723	.3487	.1456

#1	.5050	81.31	4.002	3.973	4.026	81.17	3.993	3.977	4.024
#2	.5075	81.23	4.040	4.010	3.999	80.64	4.014	4.005	4.032
#3	.5019	81.16	4.029	3.996	3.986	80.35	4.001	3.992	4.020

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.989	81.23	81.25	81.28	3.998	4.006	81.17	3.992	4.063
Stddev	.007	.35	.22	1.03	.027	.012	.10	.009	.009
%RSD	.1785	.4280	.2764	1.266	.6698	.2897	.1225	.2297	.2309

#1	3.986	81.63	81.25	82.45	4.000	3.994	81.12	3.983	4.054
#2	3.998	81.04	81.48	80.87	3.971	4.016	81.29	4.001	4.061
#3	3.985	81.02	81.03	80.52	4.024	4.008	81.11	3.992	4.073

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.995	4.000	4.419	3.990	3.999	4.009	4.006	4.058	4.023
Stddev	.010	.014	.015	.005	.014	.039	.010	.016	.007
%RSD	.2472	.3431	.3469	.1220	.3455	.9707	.2605	.3932	.1873

#1	3.984	3.985	4.402	3.984	4.006	4.044	3.994	4.051	4.018
#2	4.001	4.002	4.432	3.993	4.009	4.017	4.011	4.076	4.032
#3	4.000	4.012	4.422	3.993	3.984	3.967	4.013	4.047	4.020

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 2/29/2016 10:29:46 Type: QC
 Method: 60102007_042011(v887) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2075.6	4554.2	35133.	3406.8
Stddev	7.0	19.6	69.	24.4
%RSD	.33912	.42960	.19766	.71736

#1	2083.5	4574.9	35069.	3388.0
#2	2073.4	4536.0	35123.	3434.4
#3	2069.9	4551.6	35207.	3397.9

Sample Name: ICV Acquired: 2/29/2016 10:36:28 Type: QC
 Method: 60102007_042011(v887) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2561	41.97	2.043	2.135	2.101	43.19	2.075	2.086	2.060
Stddev	.0008	.06	.003	.010	.010	.12	.002	.002	.001
%RSD	.3198	.1504	.1334	.4623	.4674	.2719	.0728	.0811	.0491

#1	.2561	42.04	2.045	2.146	2.112	43.31	2.077	2.088	2.059
#2	.2569	41.92	2.040	2.128	2.096	43.18	2.074	2.084	2.061
#3	.2553	41.94	2.045	2.131	2.095	43.08	2.074	2.086	2.060

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.036	42.83	42.77	42.99	2.126	1.973	43.05	2.096	2.060
Stddev	.002	.18	.20	.21	.002	.002	.18	.001	.004
%RSD	.0729	.4213	.4708	.4907	.0982	.0803	.4246	.0466	.2073

#1	2.035	43.03	43.00	43.06	2.124	1.975	43.25	2.097	2.060
#2	2.037	42.80	42.62	43.16	2.125	1.973	42.89	2.095	2.063
#3	2.035	42.67	42.70	42.76	2.128	1.972	43.01	2.096	2.055

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.075	2.083	.0637	2.111	2.002	2.018	2.132	1.951	2.087
Stddev	.002	.002	.0007	.003	.010	.002	.003	.002	.001
%RSD	.0795	.0737	1.040	.1242	.5057	.1165	.1508	.0768	.0263

#1	2.077	2.085	.0640	2.111	2.011	2.017	2.134	1.950	2.087
#2	2.075	2.083	.0630	2.108	1.991	2.016	2.134	1.951	2.086
#3	2.074	2.082	.0642	2.113	2.003	2.021	2.128	1.953	2.086

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 2/29/2016 10:36:28 Type: QC
 Method: 60102007_042011(v887) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2250.5	4713.2	36505.	3488.2
Stddev	3.2	12.1	37.	21.2
%RSD	.14252	.25611	.10258	.60706

#1	2250.4	4713.8	36471.	3498.5
#2	2253.7	4725.0	36498.	3463.9
#3	2247.3	4700.9	36545.	3502.3

Sample Name: ICB Acquired: 2/29/2016 10:43:03 Type: QC
 Method: 60102007_042011(v887) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	-0.020	-0.007	-0.002	0.000	0.005	0.000	-0.001	-0.001
Stddev	.0002	.0033	.0006	.0003	.0000	.0036	.0000	.0001	.0003
%RSD	82.39	163.0	96.19	142.7	952.0	801.2	129.7	125.2	221.4
#1	-0.005	-0.042	.0000	-0.002	.0000	-0.037	.0000	-0.002	-0.003
#2	.0000	.0018	-0.009	-0.005	.0000	.0026	.0000	.0000	-0.002
#3	-0.003	-0.036	-0.012	.0001	.0000	.0025	.0001	-0.002	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.023	-0.195	-0.145	-0.001	0.003	0.072	-0.001	0.003
Stddev	.0002	.0025	.0470	.0148	.0000	.0002	.0078	.0000	.0002
%RSD	114.8	111.5	240.7	102.1	9.987	68.23	108.1	75.08	94.52
#1	-0.001	-0.003	-0.111	-0.105	-0.001	.0005	.0124	.0000	.0005
#2	-0.001	.0023	-0.702	-0.308	-0.001	.0002	.0109	-0.001	.0003
#3	-0.005	.0048	.0227	-0.021	-0.001	.0001	-0.017	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.007	-0.011	0.006	-0.001	0.002	-0.001	0.000	-0.002
Stddev	.0008	.0005	.0002	.0001	.0001	.0000	.0006	.0000	.0001
%RSD	326.9	77.94	17.36	14.51	52.80	16.07	782.3	482.8	24.55
#1	-0.011	.0002	-0.013	.0005	.0000	.0002	.0004	-0.002	-0.003
#2	.0001	.0013	-0.011	.0005	-0.001	.0003	-0.007	.0000	-0.002
#3	.0003	.0006	-0.009	.0007	-0.001	.0002	.0001	.0001	-0.002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 2/29/2016 10:43:03 Type: QC
 Method: 60102007_042011(v887) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2786.5	5147.4	39594.	3604.9
Stddev	4.8	3.1	80.	38.5
%RSD	.17112	.05939	.20193	1.0687
#1	2790.3	5144.8	39608.	3629.3
#2	2781.1	5146.7	39508.	3560.5
#3	2788.1	5150.8	39666.	3625.0

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.023	-0.195	-0.145	-0.001	0.003	0.072	-0.001	0.003
Stddev	.0002	.0025	.0470	.0148	.0000	.0002	.0078	.0000	.0002
%RSD	114.8	111.5	240.7	102.1	9.987	68.23	108.1	75.08	94.52
#1	-0.001	-0.003	-0.111	-0.105	-0.001	.0005	.0124	.0000	.0005
#2	-0.001	.0023	-0.702	-0.308	-0.001	.0002	.0109	-0.001	.0003
#3	-0.005	.0048	.0227	-0.021	-0.001	.0001	-0.017	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.007	-0.011	0.006	-0.001	0.002	-0.001	0.000	-0.002
Stddev	.0008	.0005	.0002	.0001	.0001	.0000	.0006	.0000	.0001
%RSD	326.9	77.94	17.36	14.51	52.80	16.07	782.3	482.8	24.55
#1	-0.011	.0002	-0.013	.0005	.0000	.0002	.0004	-0.002	-0.003
#2	.0001	.0013	-0.011	.0005	-0.001	.0003	-0.007	.0000	-0.002
#3	.0003	.0006	-0.009	.0007	-0.001	.0002	.0001	.0001	-0.002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CRIA Acquired: 2/29/2016 10:46:52 Type: QC
 Method: 60102007_042011(v887) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2583.8	4941.8	37513.	3465.3
Stddev	9.0	4.9	105.	3.2
%RSD	.34893	.09950	.28010	.09241
#1	2590.4	4947.4	37608.	3464.2
#2	2587.4	4940.1	37529.	3462.7
#3	2573.5	4938.0	37400.	3468.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0269	0.3318	10.60	5.470	0.0171	0.0523	10.69	0.0450	0.0054
Stddev	.0002	.0037	.07	.038	.0000	.0000	.07	.0002	.0002
%RSD	.7909	1.110	6865	.6942	.2453	.0548	.6219	.3410	2.903
#1	.0271	.3327	10.65	5.436	.0171	.0523	10.74	.0448	.0053
#2	.0267	.3278	10.63	5.462	.0172	.0523	10.72	.0451	.0056
#3	.0268	.3350	10.51	5.511	.0172	.0522	10.61	.0450	.0054

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0055	0.0101	0.0420	0.0567	0.0106	0.0108	0.0101	0.0513	0.0223
Stddev	.0008	.0005	.0004	.0003	.0001	.0000	.0003	.0008	.0001
%RSD	15.15	4.769	8.574	.5353	.7232	.3254	2.538	1.612	.3482
#1	.0046	.0106	.0420	.0563	.0105	.0108	.0100	.0503	.0223
#2	.0062	.0097	.0417	.0568	.0106	.0109	.0100	.0518	.0223
#3	.0058	.0101	.0424	.0569	.0107	.0108	.0104	.0517	.0224

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSA Acquired: 2/29/2016 10:53:09 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	518.8	-0.009	-0.001	-0.001	497.2	-0.005	-0.003	.0006
Stddev	.0002	5.5	.0012	.0003	.0000	2.3	.0001	.0001	.0004
%RSD	71.39	1.063	141.4	536.1	64.72	.4537	11.59	18.58	64.56
#1	-.0004	515.2	-.0008	-.0004	.0000	496.5	-.0006	-.0002	.0010
#2	-.0004	525.1	.0003	.0001	-.0001	499.7	-.0005	-.0003	.0008
#3	.0000	515.9	-.0021	.0001	-.0001	495.3	-.0005	-.0003	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	195.9	.0024	533.7	-0.001	-0.004	.1385	.0004	.0001
Stddev	.0002	.2	.0444	1.4	.0000	.0001	.0095	.0003	.0017
%RSD	2450.	.0925	1820.	.2655	62.10	22.61	6.864	80.35	1386.
#1	-.0002	195.9	-.0421	534.3	.0000	-.0005	.1355	.0008	.0006
#2	.0001	196.1	.0467	534.8	-.0001	-.0003	.1308	.0002	-.0017
#3	.0001	195.7	.0027	532.1	-.0001	-.0005	.1491	.0003	.0015

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	.0000	.0192	F .0016	.0002	-0.003	-0.005	.0001	-.0026
Stddev	.0024	.0021	.0004	.0003	.0001	.0002	.0030	.0001	.0001
%RSD	200.5	102000.	2.295	17.74	53.32	49.97	547.8	164.7	4.949
#1	.0008	.0023	.0192	.0013	.0001	-.0003	.0003	.0001	-.0027
#2	.0038	-.0017	.0197	.0017	.0002	-.0002	-.0039	.0002	-.0026
#3	-.0010	-.0006	.0188	.0018	.0004	-.0005	.0019	-.0001	-.0025

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 2/29/2016 10:53:09 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1983.5	4347.5	32928.	3313.1
Stddev	6.1	11.1	135.	18.8
%RSD	.30639	.25579	.40883	.56723
#1	1985.7	4350.0	32978.	3330.0
#2	1976.6	4335.4	33031.	3292.8
#3	1988.1	4357.2	32776.	3316.6

7.1
7

Sample Name: ICSAB Acquired: 2/29/2016 10:58:34 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.088	511.2	1.086	.5675	.5653	490.2	1.009	.5075	.5334
Stddev	.002	8.2	.002	.0021	.0033	9.0	.002	.0017	.0022
%RSD	.1727	1.606	.2026	.3776	.5838	1.835	.1596	.3430	.4169
#1	1.090	512.0	1.085	.5696	.5680	497.6	1.010	.5092	.5357
#2	1.088	502.7	1.088	.5675	.5616	480.2	1.009	.5074	.5313
#3	1.086	519.0	1.084	.5653	.5663	492.8	1.007	.5058	.5331

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5942	191.2	.0031	524.9	.5630	.9616	.1600	1.009	1.034
Stddev	.0008	1.7	.0140	6.9	.0018	.0019	.0093	.002	.004
%RSD	.1324	.8691	447.9	1.320	.3171	.2026	5.794	.1998	.4261
#1	.5950	192.5	.0059	529.5	.5650	.9637	.1493	1.010	1.033
#2	.5935	189.3	.0155	516.9	.5614	.9612	.1654	1.010	1.039
#3	.5940	191.7	-.0120	528.1	.5628	.9599	.1654	1.006	1.030

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.023	1.006	.0726	.9475	1.051	1.036	.9669	.5107	1.031
Stddev	.002	.004	.0003	.0028	.002	.002	.0025	.0007	.002
%RSD	.2003	.3586	.3578	.2980	.2202	.1714	.2614	.1450	.2017
#1	1.021	1.007	.0724	.9494	1.053	1.038	.9659	.5114	1.033
#2	1.025	1.008	.0726	.9488	1.048	1.035	.9697	.5109	1.032
#3	1.022	1.002	.0729	.9442	1.052	1.036	.9650	.5099	1.029

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 2/29/2016 10:58:34 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1979.7	4408.8	32918.	3263.1
Stddev	3.6	4.2	108.	40.1
%RSD	.18308	.09513	.32908	1.2288
#1	1980.6	4405.2	32808.	3235.9
#2	1975.8	4407.9	32921.	3309.1
#3	1982.9	4413.4	33025.	3244.2

Sample Name: CCV Acquired: 2/29/2016 11:08:05 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.505	40.90	2.038	2.058	2.066	41.12	2.057	2.053	2.061
Stddev	.0006	.15	.003	.012	.004	.12	.004	.004	.003
%RSD	.2451	.3632	.1599	.5718	.1895	.3003	.2106	.1927	.1621
#1	.2508	40.98	2.038	2.060	2.069	41.24	2.053	2.049	2.064
#2	.2498	40.99	2.041	2.068	2.062	41.00	2.062	2.057	2.059
#3	.2509	40.73	2.035	2.045	2.066	41.12	2.056	2.053	2.058

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.029	41.19	41.44	41.00	2.090	2.034	41.27	2.064	2.035
Stddev	.004	.14	.10	.22	.003	.005	.08	.002	.003
%RSD	.2077	.3419	.2292	.5461	.1542	.2364	.2017	.0868	.1521
#1	2.033	41.26	41.55	41.16	2.094	2.030	41.37	2.062	2.037
#2	2.029	41.27	41.38	40.75	2.089	2.039	41.26	2.066	2.031
#3	2.025	41.02	41.38	41.10	2.088	2.033	41.20	2.064	2.036

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.049	2.041	1.709	2.067	2.080	2.086	2.059	2.054	2.053
Stddev	.004	.006	.003	.002	.006	.005	.005	.005	.002
%RSD	.1895	.3088	.1948	.0840	.2904	.2217	.2213	.2506	.0944
#1	2.045	2.035	1.705	2.066	2.082	2.091	2.056	2.059	2.051
#2	2.053	2.048	1.711	2.065	2.084	2.085	2.058	2.053	2.055
#3	2.047	2.041	1.711	2.069	2.073	2.083	2.064	2.049	2.054

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 2/29/2016 11:08:05 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2266.0	4772.6	36688.	3440.0
Stddev	4.7	6.0	86.	25.0
%RSD	.20848	.12495	.23479	.72557
#1	2263.4	4777.4	36681.	3411.9
#2	2271.4	4765.9	36777.	3448.9
#3	2263.1	4774.4	36605.	3459.4

Sample Name: CCB Acquired: 2/29/2016 11:16:45 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0077	-0.002	-0.002	.0002	.0048	.0001	.0000	-0.001
Stddev	.0001	.0077	.0007	.0004	.0001	.0026	.0000	.0001	.0001
%RSD	119.0	99.96	408.3	190.0	51.48	53.98	48.67	227.6	106.5
#1	.0000	.0153	.0006	.0002	.0003	.0047	.0001	.0001	-.0002
#2	-.0002	.0080	-.0003	-.0004	.0001	.0023	.0000	-.0001	-.0003
#3	.0000	-.0001	-.0008	-.0005	.0002	.0075	.0001	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0024	-0.0069	.0034	.0001	-0.002	.0253	.0001	-0.001
Stddev	.0000	.0020	.0266	.0174	.0000	.0002	.0059	.0001	.0003
%RSD	74.33	83.80	385.1	514.5	46.84	90.67	23.32	69.29	299.8
#1	.0001	.0011	.0238	-.0149	.0001	-.0002	.0295	.0000	.0002
#2	.0000	.0047	-.0221	.0051	.0001	.0000	.0278	.0001	-.0005
#3	.0001	.0013	-.0224	.0199	.0001	-.0003	.0185	.0002	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	-0.002	-0.0008	.0003	.0001	-0.003	.0000	.0001	.0000
Stddev	.0005	.0021	.0002	.0002	.0001	.0001	.0007	.0003	.0001
%RSD	96.58	1082.	27.26	68.82	70.01	26.73	4043.	240.0	423.4
#1	.0010	.0006	-.0008	.0001	.0001	-.0003	.0007	.0003	.0001
#2	.0004	.0014	-.0006	.0002	.0000	-.0002	.0000	.0003	.0001
#3	.0001	-.0026	-.0011	.0005	.0001	-.0002	-.0007	-.0002	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 2/29/2016 11:16:45 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2757.0	5112.5	38833.	3476.9
Stddev	6.9	5.9	204.	4.6
%RSD	.25180	.11574	.52458	.13348
#1	2764.9	5118.9	39058.	3481.7
#2	2752.0	5111.6	38778.	3472.5
#3	2754.1	5107.1	38662.	3476.6

Sample Name: MP30039-MB1 Acquired: 2/29/2016 11:39:14 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	0.029	-0.016	-0.007	0.000	0.060	-0.001	0.000	0.004
Stddev	.0002	.0060	.0004	.0006	.0000	.0023	.0000	.000	.0003
%RSD	50.69	206.1	22.59	77.68	337.4	38.05	71.87	175.9	60.57

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.041	0.059	0.076	0.000	-0.001	0.236	0.000	0.001
Stddev	.0001	.0021	.0180	.0302	.000	.0001	.0024	.000	.0002
%RSD	66.00	52.82	303.6	397.5	7.856	84.23	10.03	2650.	167.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.003	-0.003	0.064	0.004	0.000	-0.001	-0.011	-0.001	-0.002
Stddev	.0006	.0013	.0001	.0001	.0001	.0001	.0015	.0001	.0001
%RSD	209.2	450.2	1.996	26.60	384.3	53.07	133.9	110.8	62.13

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30039-MB1 Acquired: 2/29/2016 11:39:14 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2682.2	4949.9	38396.	3421.0
Stddev	7.8	16.8	132.	22.5
%RSD	.29231	.34033	.34253	.65869

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

#1	#2	#3
2688.8	4951.6	38353.
2684.3	4965.9	38544.
2673.5	4932.3	38292.

Sample Name: MP30039-B1 Acquired: 2/29/2016 11:43:45 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.051	30.05	2.098	2.229	0.0569	27.98	0.543	0.5420	2.186
Stddev	.0005	.06	.009	.004	.0003	.04	.0002	.0025	.0015
%RSD	1.007	.2120	.4032	.1567	.5341	.1480	.4317	.4664	.6763

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.2774	29.52	28.01	27.98	0.5607	0.5384	28.22	0.5497	0.5152
Stddev	.0007	.06	.11	.05	.0032	.0024	.02	.0011	.0014
%RSD	.2679	.1949	.3869	.1853	.5648	.4411	.0870	.1994	.2797

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.5352	2.114	0.195	0.5504	0.5496	0.5533	2.095	0.5147	0.5396
Stddev	.0017	.015	.0004	.0015	.0013	.0033	.005	.0028	.0005
%RSD	.3164	.6888	2.253	.2782	.2430	.5984	.2263	.5406	.0961

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30039-B1 Acquired: 2/29/2016 11:43:45 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2358.9	4767.5	36666.	3391.7
Stddev	12.2	25.5	233.	3.1
%RSD	.51804	.53468	.63669	.09066

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

#1	#2	#3
2347.3	4741.4	36484.
2357.7	4768.7	36929.
2371.7	4792.4	36584.

Sample Name: FA31627-2 Acquired: 2/29/2016 11:47:56 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.0433	0.0054	0.0784	-0.0001	78.58	-0.0001	0.0007	0.0004
Stddev	0.0000	0.0080	0.0007	0.0002	0.0001	0.47	0.0000	0.0001	0.0002
%RSD	10.12	18.37	13.53	3.001	56.53	6.028	27.38	7.684	61.47
#1	-0.003	0.0379	0.0046	0.0783	-0.0002	78.11	-0.0001	0.0007	0.0007
#2	-0.002	0.0525	0.0059	0.0783	-0.0001	78.57	-0.0001	0.0007	0.0002
#3	-0.002	0.0397	0.0058	0.0787	0.0000	79.06	-0.0001	0.0008	0.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	-0.0001	1.888	9.275	23.25	3.869	0.043	5.021	0.0086	0.0004
Stddev	0.0001	0.009	0.051	0.31	0.0053	0.0002	0.009	0.0001	0.0008
%RSD	171.4	4.701	5.538	1.327	1.358	3.572	1.889	1.286	192.6
#1	-0.001	1.885	9.231	23.00	3.844	0.044	5.023	0.0085	0.0011
#2	-0.001	1.882	9.262	23.16	3.833	0.041	5.011	0.0087	0.0007
#3	0.001	1.899	9.332	23.59	3.929	0.043	5.030	0.0085	-0.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0005	-0.0009	2.268	0.0004	1.181	0.014	-0.0007	0.0000	0.5632
Stddev	0.0006	0.0019	0.015	0.0003	0.003	0.0001	0.0012	0.0001	0.0032
%RSD	118.8	210.2	6.491	79.27	2.090	7.709	172.2	416.1	5.605
#1	0.0001	-0.0004	2.283	0.0006	1.181	0.015	-0.0013	0.0000	0.5645
#2	0.0002	-0.0031	2.267	0.0005	1.178	0.014	-0.0016	0.0001	0.5654
#3	0.0012	0.0007	2.254	0.0000	1.183	0.013	0.0007	-0.0001	0.5596
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2384.3	4652.1	3645.4	3404.1					
Stddev	19.9	27.4	275.	44.6					
%RSD	0.83533	0.58804	0.75392	1.3095					
#1	2370.6	4624.5	3663.0	3455.6					
#2	2375.0	4652.6	3659.4	3379.9					
#3	2407.1	4679.2	3613.7	3376.9					

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7.1
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Sample Name: MP30039-D1 Acquired: 2/29/2016 11:52:21 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0003	0.0359	0.0051	0.0772	0.0000	77.45	-0.0001	0.0009	0.0003
Stddev	0.0001	0.0145	0.0001	0.0010	0.0000	0.15	0.0000	0.0000	0.0002
%RSD	35.27	40.36	1.698	1.251	701.1	0.1910	35.84	3.402	50.03
#1	-0.0002	0.0410	0.0052	0.0767	-0.0001	77.50	-0.0001	0.0009	0.0003
#2	-0.0003	0.0195	0.0050	0.0766	0.0002	77.29	-0.0001	0.0008	0.0005
#3	-0.0004	0.0471	0.0051	0.0783	-0.0001	77.57	-0.0001	0.0009	0.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	0.0001	1.867	9.181	22.90	3.794	0.039	4.963	0.0083	0.0004
Stddev	0.0003	0.011	0.103	0.06	0.0016	0.0001	0.023	0.0001	0.0005
%RSD	221.1	5.634	1.125	2.502	4.199	2.633	4.647	1.789	130.7
#1	-0.0001	1.855	9.254	22.95	3.796	0.040	4.943	0.0084	-0.0002
#2	0.0000	1.870	9.063	22.84	3.808	0.038	4.958	0.0084	0.0005
#3	0.0005	1.875	9.227	22.93	3.777	0.039	4.989	0.0081	0.0008
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0004	-0.0015	2.211	-0.0002	1.165	0.010	-0.0008	-0.0002	0.5468
Stddev	0.0003	0.0003	0.006	0.0004	0.009	0.0003	0.0012	0.0000	0.0021
%RSD	90.02	22.85	2.531	244.9	7.726	33.50	154.6	25.13	3.843
#1	0.0000	-0.0019	2.206	0.0001	1.165	0.008	-0.0003	-0.0002	0.5483
#2	0.0004	-0.0014	2.210	-0.0006	1.156	0.008	-0.0022	-0.0002	0.5444
#3	0.0006	-0.0012	2.217	0.0001	1.174	0.014	-0.0001	-0.0001	0.5477
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2444.4	4737.2	3706.6	3390.5					
Stddev	4.6	5.3	122.	14.1					
%RSD	0.19007	0.11126	0.32782	0.41710					
#1	2439.1	4740.7	3711.0	3395.5					
#2	2446.3	4739.6	3692.9	3401.5					
#3	2447.7	4731.1	3715.9	3374.6					

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Sample Name: MP30039-SD1 Acquired: 2/29/2016 11:56:46 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0001	0.0314	0.0013	0.0717	-0.0001	74.12	-0.0004	0.0007	-0.0013
Stddev	0.0007	0.0393	0.0030	0.0005	0.0003	0.34	0.0002	0.0003	0.0015
%RSD	796.4	125.3	224.5	6.969	249.7	4.539	45.71	47.31	113.0
#1	0.0002	0.0287	0.0030	0.0717	-0.0004	74.28	-0.0003	0.0010	-0.0013
#2	-0.0009	-0.0065	-0.0021	0.0712	0.0002	73.74	-0.0007	0.0003	-0.0028
#3	0.0005	0.0720	0.0030	0.0721	-0.0001	74.35	-0.0004	0.0008	0.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0015	1.763	8.624	21.87	3.645	0.007	4.836	0.0079	-0.0011
Stddev	0.0009	0.020	0.103	0.08	0.0003	0.0003	0.018	0.0010	0.0011
%RSD	58.20	1.129	1.191	3.474	0.0717	42.79	3.768	12.58	95.20
#1	-0.0024	1.742	8.697	21.87	3.642	0.009	4.848	0.0088	-0.0021
#2	-0.0007	1.767	8.506	21.80	3.645	0.004	4.815	0.0081	-0.0014
#3	-0.0014	1.781	8.668	21.95	3.647	0.008	4.845	0.0068	0.0000
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0008	-0.0058	2.115	0.0004	1.116	-0.0001	-0.0042	-0.0005	0.5589
Stddev	0.0031	0.0091	0.004	0.0014	0.006	0.0008	0.018	0.0002	0.0018
%RSD	393.8	157.0	0.1761	354.1	5.223	951.0	43.71	41.75	3.286
#1	-0.0018	-0.0156	2.110	0.0020	1.116	-0.0005	-0.0053	-0.0007	0.5594
#2	-0.0001	-0.0024	2.117	-0.0002	1.110	-0.0006	-0.0021	-0.0006	0.5604
#3	0.0042	-0.0041	2.116	-0.0006	1.122	0.0008	-0.0051	-0.0003	0.5568
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2575.1	4808.1	3758.6	3404.3					
Stddev	10.7	5.2	138.	17.5					
%RSD	0.41519	0.10856	0.36671	0.51405					
#1	2565.8	4802.3	3750.5	3386.8					
#2	2572.7	4809.5	3750.7	3421.8					
#3	2586.8	4812.5	3774.5	3404.3					

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Sample Name: MP30039-PS1 Acquired: 2/29/2016 12:01:13 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0472	2.631	1.094	3.446	0.0517	80.50	0.0518	0.0529	0.0515
Stddev	0.0003	0.018	0.0008	0.0015	0.0002	0.49	0.0001	0.0001	0.0002
%RSD	6.224	6.930	7.022	4.283	4.482	6.132	2.294	2.042	4.600
#1	0.0473	2.610	1.089	3.443	0.0518	80.83	0.0519	0.0530	0.0516
#2	0.0469	2.643	1.090	3.462	0.0518	80.73	0.0517	0.0529	0.0517
#3	0.0474	2.639	1.103	3.433	0.0514	79.93	0.0519	0.0528	

Sample Name: MP30039-S1 Acquired: 2/29/2016 12:05:29 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0493	30.49	2.083	2.302	.0564	106.2	.0527	.5291	2.151
Stddev	.0008	.04	.007	.009	.0002	.2	.0002	.0018	.0002
%RSD	1.590	.1273	.3549	.3758	.3980	.2073	.3230	.3492	.1157
#1	.0499	30.53	2.091	2.312	.0566	106.4	.0529	.5308	2.153
#2	.0484	30.46	2.083	2.297	.0565	105.9	.0527	.5293	2.153
#3	.0496	30.48	2.076	2.296	.0562	106.3	.0526	.5271	2.149
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2754	31.28	37.29	50.88	.9233	5389	33.18	5.373	5.072
Stddev	.0012	.08	.16	.14	.0018	.0024	.07	.0016	.0023
%RSD	.4291	.2553	.4420	.2800	.1907	.4379	.2236	.3028	.4445
#1	.2763	31.37	37.40	50.99	.9253	5408	33.25	5.391	5.085
#2	.2759	31.24	37.10	50.72	.9223	5397	33.10	5.369	5.084
#3	.2741	31.23	37.37	50.93	.9223	5363	33.18	5.359	5.046
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5287	2.081	2.188	.5311	1.717	5464	2.034	5.044	1.052
Stddev	.0019	.012	.007	.0031	.007	.0019	.015	.0002	.004
%RSD	.3630	.5956	.3408	.5823	.4185	.3482	.7532	.0391	.4009
#1	.5296	2.096	2.192	.5327	1.725	5484	2.050	5.045	1.056
#2	.5301	2.072	2.194	.5331	1.711	5460	2.033	5.042	1.053
#3	.5266	2.076	2.180	.5276	1.717	5447	2.020	5.046	1.047
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2284.7	4704.1	36299.	3290.1					
Stddev	11.2	15.2	112.	23.7					
%RSD	48976	32232	30886	71972					
#1	2272.5	4687.9	36188.	3303.1					
#2	2287.0	4706.3	36412.	3304.4					
#3	2294.5	4718.0	36296.	3262.7					

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Sample Name: MP30039-S2 Acquired: 2/29/2016 12:09:40 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0505	31.11	2.115	2.347	.0577	107.7	.0535	.5388	2.200
Stddev	.0004	.07	.015	.007	.0003	.4	.0005	.0040	.0014
%RSD	.7864	.2339	.7004	.2937	.5452	.3456	1.004	.7515	.6303
#1	.0504	31.20	2.128	2.352	.0580	108.1	.0541	.5432	2.216
#2	.0502	31.09	2.119	2.339	.0577	107.8	.0533	.5380	2.192
#3	.0509	31.06	2.099	2.349	.0574	107.3	.0531	.5352	2.192
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2819	31.89	37.83	51.85	.9452	5477	33.63	5.461	5.155
Stddev	.0026	.21	.05	.23	.0057	.0042	.08	.0037	.0036
%RSD	.9264	.6600	.1272	.4473	.6032	.7740	.2503	.6806	.7032
#1	.2849	32.13	37.86	51.82	.9517	5515	33.71	5.501	5.193
#2	.2802	31.82	37.87	52.10	.9412	5486	33.54	5.453	5.151
#3	.2807	31.73	37.78	51.64	.9427	5432	33.63	5.428	5.121
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5362	2.115	2.228	.5413	1.749	5616	2.066	5.139	1.066
Stddev	.0052	.017	.016	.0037	.007	.0046	.014	.0028	.010
%RSD	.9631	.7886	.7227	.6797	.4291	8237	.6511	.5455	.9407
#1	.5403	2.132	2.243	.5451	1.758	5636	2.078	5.172	1.078
#2	.5379	2.113	2.229	.5409	1.743	5563	2.069	5.125	1.063
#3	.5304	2.099	2.211	.5378	1.747	5648	2.051	5.121	1.058
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2257.3	4647.9	35571.	3234.8					
Stddev	16.9	35.9	217.	5.7					
%RSD	.74797	.77187	.60973	.17664					
#1	2241.3	4614.0	35324.	3238.8					
#2	2255.7	4644.3	35658.	3228.3					
#3	2274.9	4685.5	35731.	3237.4					

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7.1
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Sample Name: FA31627-1 Acquired: 2/29/2016 12:13:51 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0002	.0259	.0157	.1145	.0000	73.89	-.0002	.0002	.0003
Stddev	.0001	.0056	.0007	.0012	.000	.21	.0000	.0001	.0001
%RSD	37.28	21.45	4.347	1.058	114.3	2823	27.44	27.94	36.89
#1	-.0001	.0280	.0158	.1134	.0000	73.66	-.0002	.0002	.0002
#2	-.0002	.0301	.0163	.1142	.0000	73.94	-.0002	.0003	.0005
#3	-.0003	.0196	.0149	.1158	-.0001	74.07	-.0001	.0002	.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0003	3.697	20.06	27.71	3870	.0021	8.199	0.153	-.0002
Stddev	.0002	.016	.07	.11	.0026	.0001	.048	.0002	.0005
%RSD	61.04	.4318	.3524	.3934	.6624	5.891	5.899	1.117	190.3
#1	-.0001	3.690	19.99	27.59	.3847	.0023	8.159	.0154	-.0007
#2	-.0005	3.715	20.06	27.79	.3898	.0021	8.184	.0154	-.0002
#3	-.0003	3.686	20.13	27.75	.3866	.0020	8.253	.0151	-.0003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0011	.0002	2.961	.0003	.9499	.0009	-.0006	-.0003	.0619
Stddev	.0012	.0024	.021	.0004	.0040	.0000	.0009	.0002	.0004
%RSD	110.6	978.8	.7083	121.3	.4227	4.499	149.5	56.52	.6289
#1	.0004	.0027	2.982	.0000	.9453	.0008	-.0015	-.0001	.0621
#2	.0025	-.0021	2.961	.0008	.9517	.0009	.0003	-.0003	.0622
#3	.0004	.0001	2.940	.0002	.9527	.0009	-.0005	-.0004	.0615
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2354.4	4591.1	36140.	3329.1					
Stddev	23.4	38.9	216.	11.0					
%RSD	99465	84790	59783	32928					
#1	2333.5	4552.6	36251.	3328.8					
#2	2350.0	4590.4	35892.	3340.2					
#3	2379.7	4630.4	36279.	3318.3					

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Sample Name: FA31627-3 Acquired: 2/29/2016 12:18:16 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0003	.0400	.0051	.0782	.0000	76.80	-.0001	.0008	.0003
Stddev	.0002	.0088	.0005	.0008	.000	.24	.0000	.0001	.0002
%RSD	68.02	21.92	9.722	9.591	122.9	.3178	28.58	7.195	76.29
#1	-.0004	.0365	.0045	.0776	.0000	76.52	-.0001	.0008	.0003
#2	-.0001	.0335	.0052	.0791	.0000	76.90	-.0001	.0007	.0005
#3	-.0002	.0500	.0055	.0780	.0000	76.97	-.0001	.0008	.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0001	1.923	9.153	22.36	3684	.0038	4.925	.0082	.0006
Stddev	.0003	.004	.006	.02	.0019	.0001	.023	.0001	.0003
%RSD	184.6	.2166	.0627	.1093	.5149	3.264	4.626	1.622	49.61
#1	.0001	1.9							

Sample Name: CCV Acquired: 2/29/2016 12:22:42 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.483	40.74	2.004	2.043	2.038	40.26	2.039	2.045	2.041
Stddev	.0006	.17	.004	.008	.006	.13	.003	.001	.008
%RSD	.2501	.4075	.2161	.3960	.3051	.3167	.1248	.0334	.3752
#1	.2490	40.56	2.003	2.034	2.031	40.11	2.042	2.044	2.033
#2	.2479	40.88	2.000	2.050	2.042	40.34	2.039	2.044	2.042
#3	.2480	40.79	2.009	2.044	2.040	40.31	2.037	2.046	2.048

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.023	40.88	40.53	40.28	2.062	2.026	40.41	2.033	1.988
Stddev	.006	.11	.13	.07	.008	.001	.15	.003	.007
%RSD	.2744	.2809	.3291	.1836	.4051	.0536	.3713	.1306	.3576
#1	2.027	40.75	40.38	40.19	2.056	2.026	40.25	2.036	1.994
#2	2.017	40.96	40.61	40.30	2.058	2.026	40.54	2.031	1.988
#3	2.026	40.93	40.61	40.33	2.072	2.028	40.45	2.033	1.980

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.008	2.008	1.681	2.020	2.024	2.045	2.006	2.000	2.027
Stddev	.006	.004	.002	.002	.010	.007	.001	.005	.006
%RSD	.3014	.2056	.1439	.1028	.4944	.3383	.0517	.2429	.2933
#1	2.002	2.007	1.678	2.022	2.014	2.042	2.005	1.995	2.032
#2	2.008	2.005	1.680	2.018	2.034	2.041	2.007	2.000	2.027
#3	2.014	2.013	1.683	2.019	2.025	2.053	2.005	2.004	2.020

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 2/29/2016 12:22:42 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2316.9	4821.4	3711.0	3447.2
Stddev	2.0	14.1	13.	20.8
%RSD	.08706	.29259	.03557	.60244
#1	2317.9	4830.6	3711.6	3470.6
#2	2318.3	4828.3	3712.0	3431.1
#3	2314.6	4805.1	3709.6	3439.9

Sample Name: CCB Acquired: 2/29/2016 12:26:53 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	-0.0015	-0.0008	-0.0002	0.0001	0.0046	0.0001	0.0001	-0.0001
Stddev	.0003	.0045	.0006	.0004	.0000	.0018	.0001	.0001	.0001
%RSD	107.6	288.8	82.93	189.1	68.01	38.84	57.48	99.82	130.3
#1	-0.0001	-0.0027	-0.0002	-0.0002	0.0001	0.0041	0.0002	0.0001	-0.0001
#2	-0.0005	-0.0053	-0.0015	-0.0002	0.0000	0.0065	0.0000	0.0002	0.0000
#3	-0.0001	0.0034	-0.0006	-0.0007	0.0001	0.0031	0.0001	0.0000	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	0.0126	0.0040	-0.0022	0.0001	0.0008	0.0265	0.0000	-0.0001
Stddev	.0001	.0033	.0504	.0108	.0000	.0003	.0072	.0002	.0006
%RSD	42.82	26.48	1245.	487.9	26.49	37.95	27.02	972.3	443.2
#1	-0.0002	0.0158	-0.0520	-0.0113	0.0001	0.0010	0.0206	-0.0002	0.0005
#2	-0.0004	0.0092	0.186	-0.0052	0.0001	0.0009	0.0244	0.0000	-0.0007
#3	-0.0003	0.0128	0.455	0.0098	0.0001	0.0005	0.0345	0.0002	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0005	0.0002	0.0004	0.0006	0.0001	0.0010	-0.0007	-0.0001	0.0000
Stddev	.0001	.0007	.0002	.0001	.0001	.0002	.0008	.0001	.0000
%RSD	10.75	301.7	53.57	23.99	66.97	15.90	102.8	261.0	140.4
#1	0.0006	-0.0003	0.0002	0.0007	0.0001	0.0011	-0.0006	0.0000	0.0001
#2	0.0005	0.0000	0.0006	0.0007	0.0000	0.0010	-0.0016	0.0000	0.0001
#3	0.0005	0.0010	0.0004	0.0004	0.0001	0.0008	-0.0001	-0.0002	0.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 2/29/2016 12:26:53 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2709.5	4945.1	3813.0	3393.8
Stddev	4.1	8.3	61.	25.4
%RSD	.15182	.16792	.16008	.74706
#1	2714.2	4954.7	38200.	3419.5
#2	2707.6	4940.3	38088.	3393.2
#3	2706.7	4940.4	38101.	3368.8

Sample Name: FA31627-4 Acquired: 2/29/2016 12:31:24 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	0.0151	0.0080	0.1022	0.0000	73.23	-0.0001	0.0005	0.0002
Stddev	0.0000	0.0036	0.0009	0.0004	0.0000	0.32	0.0001	0.0001	0.0001
%RSD	6.495	23.92	11.54	4.010	129.6	4310	42.30	24.41	43.87
#1	-0.003	0.0127	0.0089	0.1025	0.0000	73.35	-0.0002	0.0007	0.0002
#2	-0.0003	0.0133	0.0071	0.1022	-0.0001	72.87	-0.0001	0.0005	0.0002
#3	-0.0003	0.0192	0.0080	0.1017	0.0000	73.47	-0.0001	0.0004	0.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	-0.0003	2.604	6.734	22.34	2973	0.030	7.779	0.0135	0.0001
Stddev	0.0003	0.017	0.035	0.21	0.012	0.002	0.029	0.0001	0.0004
%RSD	117.5	0.6522	0.5277	0.9337	0.3899	5.716	0.3688	1.090	407.0
#1	-0.0006	2.619	6.738	22.32	2972	0.032	7.798	0.0133	-0.0003
#2	-0.0000	2.586	6.696	22.13	2985	0.029	7.746	0.0136	0.0002
#3	-0.0002	2.607	6.767	22.55	2962	0.030	7.794	0.0136	0.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0001	-0.0003	2.419	-0.0002	0.8344	0.0009	-0.0018	-0.0001	0.2056
Stddev	0.0008	0.0007	0.009	0.0003	0.0052	0.0000	0.0003	0.0001	0.0005
%RSD	920.0	254.6	0.3699	197.8	0.6237	5.045	16.63	98.59	2455
#1	0.0008	-0.0012	2.410	-0.0004	0.8399	0.0009	-0.0021	0.0000	0.2057
#2	-0.0008	0.0001	2.418	-0.0003	0.8295	0.0009	-0.0019	-0.0002	0.2050
#3	0.0003	0.0002	2.428	-0.0002	0.8339	0.0009	-0.0015	-0.0001	0.2060
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2448.5	4743.4	37394.	3416.0					
Stddev	1.0	9.7	158.	16.0					
%RSD	0.04216	0.20463	0.42313	0.46706					
#1	2449.5	4750.2	37380.	3414.1					
#2	2448.6	4747.8	37244.	3432.9					
#3	2447.5	4732.3	37559.	3401.1					

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Sample Name: FA31677-4 Acquired: 2/29/2016 12:35:51 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0003	0.0127	-0.0020	0.0137	-0.0001	62.72	-0.0001	-0.0002	0.0002
Stddev	0.0002	0.0012	0.0006	0.0003	0.0000	0.19	0.0000	0.0001	0.0003
%RSD	76.83	9.120	28.15	2.094	66.12	0.3027	19.80	50.25	133.8
#1	-0.0003	0.0136	-0.0018	0.0134	-0.0001	62.52	-0.0001	-0.0002	0.0001
#2	-0.0005	0.0114	-0.0027	0.0140	0.0000	62.76	-0.0001	-0.0001	0.0005
#3	-0.0001	0.0131	-0.0016	0.0137	-0.0001	62.89	-0.0001	-0.0001	0.0000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	-0.0006	2.766	1.692	4.626	0.0155	0.0025	7.160	-0.0001	-0.0002
Stddev	0.0001	0.0222	0.037	0.062	0.0001	0.0000	0.008	0.0001	0.0002
%RSD	12.80	0.7895	2.195	1.331	0.8794	0.4182	0.1133	188.9	112.3
#1	-0.0005	2.791	1.721	4.562	0.0157	0.0025	7.152	0.0001	-0.0002
#2	-0.0006	2.754	1.650	4.631	0.0154	0.0025	7.168	-0.0001	0.0000
#3	-0.0005	2.752	1.704	4.685	0.0154	0.0025	7.161	-0.0001	-0.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0008	-0.0003	1.780	-0.0003	0.3666	0.0005	-0.0016	0.2000	-0.0002
Stddev	0.0003	0.0016	0.002	0.0002	0.0002	0.0001	0.0013	0.0003	0.0001
%RSD	36.39	575.6	0.1074	57.49	0.0531	15.56	81.04	13.13	35.62
#1	0.0011	-0.0019	1.780	-0.0004	0.3667	0.0004	-0.0002	0.0018	-0.0001
#2	0.0007	-0.0002	1.778	-0.0001	0.3667	0.0006	-0.0028	0.0019	-0.0001
#3	0.0006	0.0013	1.781	-0.0004	0.3663	0.0004	-0.0018	0.0023	-0.0002
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2507.9	4789.2	37973.	3491.5					
Stddev	9.2	16.3	62.	21.1					
%RSD	0.36833	0.33993	0.16211	0.60450					
#1	2517.0	4800.5	37942.	3514.6					
#2	2508.2	4796.5	37933.	3473.2					
#3	2498.5	4770.5	38043.	3486.6					

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Sample Name: FA31677-7 Acquired: 2/29/2016 12:40:17 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0002	0.0320	-0.0006	0.0437	-0.0001	192.1	-0.0001	0.0018	0.0001
Stddev	0.0002	0.0071	0.0006	0.0008	0.0001	0.7	0.0000	0.0001	0.0003
%RSD	110.7	22.17	89.79	1.721	87.69	0.3834	12.07	4.360	189.5
#1	-0.0003	0.0278	-0.0009	0.0431	-0.0002	192.9	-0.0001	0.0017	0.0003
#2	-0.0001	0.0403	-0.0010	0.0435	-0.0002	191.4	-0.0001	0.0017	-0.0002
#3	-0.0004	0.0280	0.0000	0.0445	0.0000	192.1	-0.0001	0.0019	0.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0000	1.513	9.087	21.11	0.0367	0.0215	F 143.8	0.0020	-0.0003
Stddev	0.0000	0.007	0.0426	0.08	0.0001	0.0001	0.1	0.0002	0.0006
%RSD	697.7	0.4747	4.687	0.3671	0.3540	2.482	0.1022	11.84	219.5
#1	-0.0001	1.508	8.653	21.20	0.0366	0.0215	144.0	0.0021	-0.0010
#2	-0.0000	1.510	9.504	21.04	0.0366	0.0215	143.7	0.0021	0.0002
#3	0.0000	1.521	9.105	21.09	0.0368	0.0214	143.7	0.0017	0.0000
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0001	0.0014	2.404	-0.0001	0.7105	0.0004	-0.0007	0.0020	0.0025
Stddev	0.0009	0.0025	0.004	0.0003	0.0001	0.0001	0.0007	0.0002	0.0000
%RSD	632.3	179.6	0.1546	237.7	0.0201	18.19	99.72	10.50	0.8163
#1	-0.0009	0.0024	2.401	-0.0001	0.7103	0.0005	0.0000	0.0022	0.0025
#2	0.0006	0.0032	2.409	-0.0003	0.7106	0.0003	-0.0013	0.0021	0.0025
#3	0.0007	-0.0014	2.403	0.0002	0.7105	0.0004	-0.0006	0.0018	0.0024
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2247.4	4482.9	35201.	3387.1					
Stddev	4.7	6.0	68.	7.4					
%RSD	0.20812	0.13286	0.19380	0.21956					
#1	2248.9	4486.0	35126.	3378.6					
#2	2251.2	4486.6	35260.	3390.3					
#3	2242.2	4476.0	35216.	3392.3					

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Sample Name: FA31677-9 Acquired: 2/29/2016 12:44:43 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0005	0.1611	-0.0002	0.0164	-0.0001	86.11	-0.0001	0.0003	0.0006
Stddev	0.0004	0.0022	0.0004	0.0007	0.0001	0.40	0.0000	0.0000	0.0001
%RSD	71.83	1.357	202.0	4.024	121.0	0.4686	62.19	16.41	15.09
#1	-0.0009	0.1633	0.0002	0.0165	-0.0002	86.35	-0.0001	0.0002	0.0005
#2	-0.0005	0.1611	-0.0005	0.0170	0.0000	86.34	-0.0001	0.0003	0.0007
#3	-0.0002	0.1589	-0.0001	0.					

Sample Name: FA31677-10 Acquired: 2/29/2016 12:49:11 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	0.3750	-0.0016	0.0125	0.0000	69.01	-0.0001	-0.0001	0.0012
Stddev	0.0004	0.0081	0.0004	0.0001	0.000	0.26	0.0000	0.0000	0.0002
%RSD	121.4	2.153	23.56	1.030	66.98	3812	40.82	47.15	14.08
#1	-0.006	0.3657	-0.0019	0.0125	0.0000	69.17	-0.0001	-0.0001	0.0014
#2	0.0001	0.3791	-0.0017	0.0126	0.0000	69.16	-0.0001	-0.0002	0.0010
#3	-0.0006	0.3802	-0.0012	0.0124	0.0000	68.71	-0.0001	-0.0001	0.0012
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0003	0.4227	2.459	5.307	0.0126	0.0022	5.926	0.0002	-0.0002
Stddev	0.0003	0.0018	0.045	0.025	0.0001	0.0001	0.014	0.0003	0.0007
%RSD	82.97	0.4285	1.852	0.4728	0.8292	2.998	0.2424	108.8	292.2
#1	-0.0005	0.4242	2.451	5.279	0.0125	0.0023	5.937	0.0004	0.0005
#2	-0.0004	0.4207	2.508	5.328	0.0127	0.0022	5.931	0.0003	-0.0010
#3	0.0000	0.4232	2.418	5.314	0.0125	0.0022	5.909	-0.0001	-0.0002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0002	-0.0003	2.096	-0.0002	2.904	0.0133	-0.0020	0.0030	0.0008
Stddev	0.0002	0.0003	0.011	0.0002	0.0015	0.0005	0.0009	0.0001	0.0000
%RSD	73.51	110.3	0.5226	99.07	0.5287	3.449	45.85	4.067	4.096
#1	0.0001	-0.0003	2.084	0.0000	0.2919	0.0132	-0.0026	0.0029	0.0008
#2	0.0001	0.0000	2.101	-0.0002	0.2905	0.0129	-0.0024	0.0030	0.0008
#3	0.0004	-0.0006	2.105	-0.0005	0.2888	0.0138	-0.0009	0.0031	0.0008
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2518.5	4791.1	37997.	3419.6					
Stddev	1.3	11.0	138.	24.0					
%RSD	0.05002	0.22989	0.36264	0.70073					
#1	2520.0	4795.3	38070.	3445.3					
#2	2518.1	4778.6	38083.	3397.9					
#3	2517.6	4799.4	37838.	3415.6					

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Sample Name: FA31677-11 Acquired: 2/29/2016 12:53:36 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0001	0.0401	-0.0016	0.0208	-0.0001	128.4	-0.0001	0.0000	0.0021
Stddev	0.0003	0.0077	0.0004	0.0003	0.0001	0.3	0.0000	0.0000	0.0001
%RSD	216.9	19.26	28.29	1.624	116.9	0.2031	20.11	421.6	3.969
#1	0.0002	0.0359	-0.0013	0.0204	-0.0002	128.1	-0.0001	0.0001	0.0020
#2	-0.0003	0.0354	-0.0014	0.0210	0.0000	128.4	-0.0001	0.0000	0.0021
#3	-0.0003	0.0491	-0.0021	0.0209	0.0000	128.6	-0.0001	-0.0001	0.0021
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0001	0.4110	2.585	16.99	0.0227	0.0063	19.44	0.0025	-0.0001
Stddev	0.0003	0.0055	0.036	0.04	0.0000	0.0001	0.05	0.0002	0.0006
%RSD	231.4	1.342	1.389	0.2151	0.0541	1.791	0.2372	7.328	428.6
#1	0.0002	0.4174	2.544	16.95	0.0227	0.0062	19.39	0.0026	0.0004
#2	-0.0002	0.4080	2.599	17.00	0.0227	0.0063	19.45	0.0023	-0.0001
#3	-0.0004	0.4077	2.611	17.02	0.0227	0.0064	19.47	0.0026	-0.0007
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0000	0.0001	3.160	0.0000	5.265	0.0009	-0.0012	0.0009	0.0792
Stddev	0.0003	0.0011	0.012	0.0004	0.0007	0.0001	0.0002	0.0001	0.0001
%RSD	591.6	849.5	0.3795	12000.	0.1396	14.71	19.35	7.200	0.0941
#1	0.0003	-0.0005	3.155	0.0004	5.263	0.0007	-0.0014	0.0009	0.0791
#2	0.0000	-0.0005	3.152	0.0000	5.259	0.0009	-0.0014	0.0008	0.0793
#3	-0.0002	0.0014	3.174	-0.0004	5.273	0.0010	-0.0010	0.0010	0.0792
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2392.9	4647.2	37110.	3418.2					
Stddev	4.3	13.0	116.	19.2					
%RSD	0.18080	0.27993	0.31134	0.56064					
#1	2393.9	4639.7	37178.	3427.3					
#2	2396.7	4662.2	36976.	3396.1					
#3	2388.2	4639.6	37174.	3431.1					

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Sample Name: FA31677-12 Acquired: 2/29/2016 12:58:02 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0005	0.0899	-0.0016	0.0182	-0.0001	92.32	-0.0001	-0.0001	0.0014
Stddev	0.0003	0.0055	0.0004	0.0001	0.0001	0.24	0.0000	0.0001	0.0002
%RSD	57.53	6.146	28.37	0.7178	58.51	2618	19.03	49.68	11.88
#1	-0.0002	0.0904	-0.0017	0.0181	-0.0002	92.59	-0.0001	-0.0001	0.0012
#2	-0.0006	0.0842	-0.0019	0.0183	-0.0001	92.19	-0.0002	-0.0001	0.0014
#3	-0.0006	0.0953	-0.0011	0.0181	0.0000	92.16	-0.0001	-0.0002	0.0016
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0005	1.610	2.162	10.38	0.0142	0.0027	11.78	0.0002	0.0000
Stddev	0.0002	0.008	0.025	0.03	0.0000	0.0002	0.05	0.0001	0.000
%RSD	49.33	0.4711	1.167	0.2600	0.2454	5.961	0.4386	54.65	1977.
#1	0.0003	1.601	2.160	10.41	0.0142	0.0027	11.83	0.0003	0.0004
#2	0.0005	1.614	2.138	10.35	0.0142	0.0026	11.73	0.0001	0.0001
#3	0.0008	1.615	2.189	10.38	0.0142	0.0029	11.78	0.0002	-0.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0003	-0.0012	2.331	0.0030	4.140	0.0019	-0.0009	0.0027	0.0054
Stddev	0.0006	0.0022	0.015	0.0001	0.0008	0.0003	0.0006	0.0002	0.0000
%RSD	199.8	187.7	0.6261	3.461	0.2027	16.09	65.26	6.034	0.4143
#1	-0.0009	-0.0036	2.348	0.0029	4.149	0.0016	-0.0015	0.0028	0.0054
#2	-0.0004	-0.0005	2.325	0.0031	4.132	0.0022	-0.0005	0.0027	0.0054
#3	0.0003	0.0006	2.321	0.0029	4.140	0.0021	-0.0006	0.0025	0.0054
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2440.6	4704.4	37066.	3443.7					
Stddev	12.3	22.2	169.	3.6					
%RSD	0.50201	0.47177	0.45490	0.10330					
#1	2431.7	4686.0	36876.	3443.6					
#2	2435.6	4698.1	37198.	3440.2					
#3	2454.6	4729.1	37125.	3447.3					

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Sample Name: FA31677-13 Acquired: 2/29/2016 13:02:30 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0005	0.0570	0.0017	0.0398	-0.0001	133.2	-0.0001	-0.0002	0.0006
Stddev	0.0002	0.0108	0.0001	0.0007	0.0001	0.5	0.0000	0.0001	0.0002
%RSD	48.45	19.02	4.469	1.648	133.6	0.3514	31.27	57.39	36.82
#1	-0.0004	0.0583	0.0017	0.0390	-0.0001	133.4	-0.0001	-0.0001	0.0005
#2	-0.0003	0.0671	0.0016	0.0403	0.0000	133.6	-0.0001	-0.0003	0.0005
#3	-0.0007	0.0455	0.0018	0.0400	-0.0001	132.7	-0.0001	-0.0002	0.0009
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576				

Sample Name: FA31677-14 Acquired: 2/29/2016 13:06:56 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.8036	0.017	0.0273	0.000	130.3	-0.001	0.003	0.026
Stddev	0.004	0.175	0.013	0.004	0.00	.1	0.001	0.001	0.001
%RSD	189.9	2.180	75.24	1.364	49.75	0.729	43.35	39.90	5.420
#1	-0.007	0.7893	0.010	0.0268	0.000	130.3	-0.001	0.002	0.025
#2	0.000	0.8232	0.032	0.0274	0.000	130.2	-0.002	0.002	0.027
#3	0.000	0.7983	0.009	0.0275	-0.001	130.3	-0.001	0.004	0.027
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.003	4.269	1.644	18.01	0.0096	0.096	34.03	0.025	-0.005
Stddev	0.002	0.29	0.059	0.09	0.000	0.000	.11	0.001	0.002
%RSD	71.22	6.834	3.572	0.5015	0.4723	0.2930	0.3148	4.824	45.71
#1	-0.005	4.244	1.710	18.04	0.0096	0.095	33.92	0.025	-0.003
#2	-0.001	4.301	1.627	18.08	0.0096	0.096	34.13	0.026	-0.007
#3	-0.003	4.264	1.596	17.91	0.0096	0.096	34.03	0.023	-0.006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.007	0.031	2.773	0.009	0.6924	0.300	-0.019	0.059	0.000
Stddev	0.011	0.006	0.007	0.005	0.039	0.021	0.004	0.000	0.000
%RSD	151.1	18.90	0.2636	50.17	0.5664	6.909	19.52	0.4566	63.67
#1	-0.002	0.025	2.780	0.011	0.6904	0.290	-0.018	0.059	0.001
#2	0.020	0.032	2.766	0.004	0.6969	0.286	-0.017	0.059	0.000
#3	0.005	0.037	2.774	0.013	0.6899	0.323	-0.024	0.060	0.000
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2380.5	4647.9	36791.	3388.0					
Stddev	3.7	20.1	56.	11.4					
%RSD	0.15744	0.43179	0.15308	0.33500					
#1	2379.7	4650.9	36728.	3388.7					
#2	2384.6	4666.3	36838.	3399.0					
#3	2377.2	4626.5	36806.	3376.4					

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Sample Name: FA31743-1 Acquired: 2/29/2016 13:11:22 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	0.181	0.000	0.076	0.000	84.31	-0.001	0.001	0.000
Stddev	0.005	0.027	0.002	0.003	0.00	0.09	0.000	0.000	0.001
%RSD	110.5	14.96	25560.0	3.687	277.9	0.1086	30.24	58.32	311.5
#1	-0.009	0.150	-0.019	0.075	0.000	84.29	-0.001	0.001	0.001
#2	0.000	0.198	0.007	0.074	0.000	84.23	0.000	0.001	-0.001
#3	-0.003	0.195	0.011	0.079	0.000	84.41	-0.001	0.000	0.001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.001	2.236	1.110	1.643	0.0154	0.025	5.227	0.000	0.000
Stddev	0.001	0.023	0.037	0.008	0.001	0.001	0.020	0.000	0.005
%RSD	117.2	1.026	3.320	0.4862	0.5507	3.285	0.3877	1596.	2744.0
#1	0.000	2.263	1.069	1.646	0.0153	0.025	5.236	-0.001	0.001
#2	-0.001	2.220	1.138	1.648	0.0154	0.025	5.203	-0.001	0.004
#3	-0.003	2.227	1.125	1.633	0.0155	0.024	5.240	0.001	-0.005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.002	-0.022	1.622	0.001	0.8850	0.002	-0.018	0.004	0.330
Stddev	0.010	0.004	0.002	0.004	0.033	0.001	0.009	0.000	0.001
%RSD	528.8	18.42	0.1478	313.2	0.3695	21.92	48.71	2.722	0.2649
#1	-0.009	-0.023	1.624	0.006	0.8849	0.002	-0.016	0.004	0.329
#2	0.010	-0.025	1.620	0.000	0.8818	0.002	-0.011	0.004	0.329
#3	0.005	-0.017	1.622	-0.002	0.8884	0.003	-0.028	0.004	0.331
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2510.1	4723.9	37784.	3416.4					
Stddev	3.9	10.4	120.	23.9					
%RSD	0.15372	0.21967	0.31887	0.70064					
#1	2512.1	4711.9	37693.	3425.2					
#2	2512.6	4730.2	37921.	3434.7					
#3	2505.7	4729.6	37740.	3389.3					

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Sample Name: CCV Acquired: 2/29/2016 13:15:47 Type: QC
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.517	41.28	2.044	2.091	2.033	40.12	2.083	2.113	2.025
Stddev	0.010	0.09	0.006	0.004	0.002	0.11	0.007	0.003	0.006
%RSD	0.4115	0.2248	0.2980	0.1813	0.1077	0.2851	0.3144	0.1605	0.2758
#1	2.509	41.24	2.046	2.091	2.035	40.01	2.077	2.110	2.032
#2	2.529	41.39	2.037	2.094	2.033	40.24	2.082	2.112	2.022
#3	2.513	41.22	2.049	2.086	2.031	40.10	2.090	2.117	2.022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.056	41.14	40.39	39.90	2.008	2.090	40.47	2.066	1.993
Stddev	0.007	0.08	0.05	0.05	0.004	0.003	0.08	0.005	0.007
%RSD	0.3330	0.1985	0.1289	0.1265	0.2077	0.1626	0.1934	0.2466	0.3619
#1	2.029	41.08	40.34	39.88	2.012	2.086	40.48	2.063	1.987
#2	2.040	41.24	40.44	39.86	2.004	2.092	40.54	2.064	1.991
#3	2.041	41.11	40.40	39.95	2.009	2.091	40.38	2.072	2.001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.056	2.076	1.728	2.032	2.004	1.999	2.011	1.970	2.029
Stddev	0.003	0.009	0.001	0.009	0.005	0.001	0.004	0.005	0.012
%RSD	0.1215	0.4445	0.0664	0.4517	0.2307	0.0650	0.1882	0.2374	0.5645
#1	2.054	2.071	1.726	2.030	2.007	2.001	2.008	1.975	2.022
#2	2.058	2.070	1.728	2.024	2.005	1.998	2.010	1.968	2.022
#3	2.058	2.087	1.728	2.042	1.999	1.999	2.015	1.966	2.042
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 2/29/2016 13:15:47 Type: QC
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2299.8	4719.1	37589.	3423.9
Stddev	3.4	3.6	67.	10.9
%RSD	0.14625	0.07527	0.17866	0.31796
#1	2303.0	4722.9	37589.	3433.1
#2	2300.0	4718.4	37521.	3426.6
#3	2296.3	4715.9	37656.	3411.9

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Sample Name: CCB Acquired: 2/29/2016 13:19:59 Type: QC
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include Units, Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Units, Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Units, Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: CCB Acquired: 2/29/2016 13:19:59 Type: QC
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Cts/S, Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: FA31637-1 Acquired: 2/29/2016 13:24:31 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 4 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Sample Name: FA31669-1 Acquired: 2/29/2016 13:29:10 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 4 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Sample Name: FA31670-1 Acquired: 2/29/2016 13:33:34 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	0.368	0.001	0.178	-0.001	35.39	-0.001	0.001	-0.001
Stddev	0.003	0.033	0.005	0.004	0.001	0.30	0.000	0.001	0.001
%RSD	65.07	8.972	473.1	2.112	72.48	8.358	24.34	90.27	187.9
#1	-0.003	0.392	0.005	0.177	-0.001	35.73	-0.001	0.000	-0.002
#2	-0.002	0.330	0.003	0.174	-0.001	35.26	-0.001	0.002	0.000
#3	-0.008	0.382	-0.005	0.182	0.000	35.18	-0.001	0.001	0.000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.047	-0.028	9.382	8.334	0.025	-0.005	10.63	0.042	0.004
Stddev	0.001	0.009	0.612	0.102	0.000	0.000	0.06	0.001	0.005
%RSD	2.218	31.73	6.527	1.224	0.7105	2.884	5.205	2.301	128.6
#1	0.046	-0.036	9.810	8.446	0.024	-0.005	10.67	0.043	0.006
#2	0.048	-0.029	9.654	8.306	0.025	-0.005	10.64	0.041	-0.002
#3	0.048	-0.018	8.680	8.248	0.025	-0.005	10.56	0.042	0.006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.004	-0.005	3.542	0.000	0.575	0.002	-0.006	0.000	0.940
Stddev	0.004	0.009	0.004	0.002	0.032	0.001	0.006	0.000	0.001
%RSD	109.6	192.3	1.137	910.8	5.609	46.88	88.84	625.7	1337
#1	0.002	-0.003	3.537	-0.002	0.5711	0.002	-0.003	0.000	0.941
#2	0.008	-0.015	3.544	0.001	0.5667	0.002	-0.003	-0.002	0.940
#3	0.001	0.003	3.544	0.002	0.5649	0.003	-0.013	0.001	0.938
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2540.5	4759.5	3797.0	3349.9					
Stddev	2.0	11.7	118.	47.8					
%RSD	0.7746	2.4603	3.0999	1.4283					
#1	2538.5	4773.0	3787.2	3296.6					
#2	2540.8	4752.6	3810.0	3364.0					
#3	2542.4	4752.9	3793.7	3389.1					

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Sample Name: FA31671-37 Acquired: 2/29/2016 13:38:02 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	0.377	-0.013	0.178	0.000	35.66	-0.001	0.001	0.002
Stddev	0.003	0.024	0.004	0.004	0.000	0.07	0.001	0.000	0.001
%RSD	59.18	6.399	29.26	1.984	615.9	1.986	48.01	8.078	68.48
#1	-0.002	0.399	-0.009	0.182	0.000	35.59	-0.002	0.001	0.002
#2	-0.008	0.351	-0.017	0.176	-0.001	35.68	-0.001	0.001	0.001
#3	-0.006	0.380	-0.012	0.176	0.000	35.72	-0.001	0.001	0.003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.051	0.007	9.712	8.413	0.026	-0.005	10.69	0.043	0.001
Stddev	0.001	0.007	0.401	0.076	0.000	0.001	0.01	0.001	0.004
%RSD	2.338	103.6	4.125	0.908	0.7565	14.64	0.0904	3.384	364.0
#1	0.052	0.015	9.970	8.335	0.026	-0.005	10.69	0.042	0.005
#2	0.050	0.007	9.915	8.417	0.026	-0.005	10.68	0.045	-0.002
#3	0.050	0.000	9.250	8.488	0.026	-0.006	10.70	0.043	0.000
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.002	-0.013	3.542	0.004	0.5716	0.001	-0.012	0.000	0.920
Stddev	0.005	0.006	0.008	0.002	0.008	0.001	0.008	0.000	0.004
%RSD	192.4	51.70	2.346	51.59	1.461	75.12	64.73	821.1	390.0
#1	0.002	-0.018	3.551	0.004	0.5722	0.001	-0.009	0.001	0.923
#2	0.007	-0.005	3.535	0.002	0.5719	0.000	-0.006	0.000	0.922
#3	-0.002	-0.015	3.540	0.006	0.5706	0.001	-0.021	-0.001	0.916
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2512.3	4717.3	3738.9	3336.8					
Stddev	6.4	10.1	283.	8.3					
%RSD	0.25296	2.1454	7.5688	2.4994					
#1	2506.5	4705.7	3706.3	3345.3					
#2	2511.5	4722.2	3757.6	3336.3					
#3	2519.1	4724.0	3752.7	3328.7					

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7.1
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Sample Name: FA31672-27 Acquired: 2/29/2016 13:42:30 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	0.405	-0.007	0.183	-0.001	35.24	-0.001	0.001	0.001
Stddev	0.000	0.029	0.007	0.002	0.000	0.14	0.001	0.000	0.001
%RSD	7.152	7.045	90.89	1.061	53.58	3.908	54.30	71.25	92.85
#1	-0.005	0.409	-0.006	0.183	0.000	35.28	-0.001	0.001	0.000
#2	-0.006	0.375	-0.015	0.180	-0.001	35.34	-0.000	0.000	0.002
#3	-0.006	0.431	-0.002	0.184	-0.001	35.08	-0.002	0.000	0.001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.049	-0.005	9.622	8.310	0.027	-0.007	10.62	0.042	-0.005
Stddev	0.002	0.019	0.691	0.034	0.000	0.001	0.04	0.000	0.005
%RSD	3.385	390.5	7.181	4.091	2.197	14.27	4.091	1.076	119.6
#1	0.050	0.005	1.041	8.337	0.027	-0.006	10.64	0.042	-0.008
#2	0.049	0.006	9.299	8.321	0.027	-0.008	10.64	0.043	0.002
#3	0.047	-0.026	9.151	8.272	0.027	-0.007	10.57	0.042	-0.007
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.008	-0.004	3.458	0.001	0.5665	0.001	-0.015	-0.001	0.901
Stddev	0.008	0.007	0.023	0.002	0.012	0.001	0.006	0.000	0.005
%RSD	100.4	167.3	6.751	285.9	2.137	89.36	42.96	43.30	563.9
#1	0.018	-0.005	3.483	0.002	0.5666	0.000	-0.018	0.000	0.907
#2	0.003	-0.012	3.454	-0.002	0.5676	0.002	-0.019	-0.001	0.899
#3	0.004	0.003	3.437	0.002	0.5652	0.001	-0.008	-0.001	0.897
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2540.9	4778.8	3782.0	3363.3					
Stddev	9.2	19.7	47.	7.9					
%RSD	0.36124	4.1286	1.2506	2.3554					
#1	2535.0	4757.3	3777.2	3370.0					
#2	2536.2	4782.9	3782.2	3354.6					
#3	2551.5	4796.1	3786.6	3365.3					

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Sample Name: FA31656-1 Acquired: 2/29/2016 13:46:57 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	0.051	-0.002	0.172	-0.001	33.44	-0.001	0.023	0.001
Stddev	0.002	0.080	0.001	0.001	0.000	0.24	0.000	0.001	0.001
%RSD	36.93	157.2	56.84	1.793	19.49	2.855	19.25	3.555	121.9
#1	-0.006	0.108	-0.001	0.172	-0.001	83.53	-0.001	0.023	0.002
#2	-0.005	0.084	-0.004	0.172	-0.002	83.62	-0.001	0.024	0.002
#3	-0.003	-0.040	-0.002	0.172	-0.001	83.17	-0.001	0.022	0.000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.003	0.701	4.						

Sample Name: FA31656-2 Acquired: 2/29/2016 13:51:23 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	0.0339	-0.0008	0.0593	-0.0001	101.5	-0.0001	0.0023	0.0002
Stddev	0.001	0.0066	0.0004	0.0002	0.0000	.2	0.0000	0.0001	0.0002
%RSD	9.904	19.45	49.85	.2932	10.34	.1702	42.41	4.637	92.97
#1	-0.005	0.0276	-0.0011	0.0593	-0.0001	101.6	-0.0001	0.0022	0.0002
#2	-0.0006	0.0334	-0.0004	0.0594	-0.0001	101.3	-0.0001	0.0024	0.0004
#3	-0.0005	0.0407	-0.0008	0.0591	-0.0001	101.5	-0.0002	0.0023	0.0000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0005	0.6494	3.994	23.64	1.579	0.011	39.07	0.0050	0.0001
Stddev	0.002	0.017	0.034	0.09	0.007	0.001	0.01	0.002	0.0004
%RSD	40.59	.2637	.8525	.3831	.4270	10.36	.0213	3.936	293.1
#1	0.0008	0.6479	3.978	23.68	1.587	0.011	39.08	0.0048	0.0000
#2	0.0004	0.6491	3.971	23.53	1.577	0.013	39.06	0.0050	-0.0002
#3	0.0004	0.6513	4.033	23.70	1.574	0.011	39.07	0.0052	0.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0005	-0.0034	2.570	-0.0001	0.4597	0.0005	-0.0008	-0.0001	0.2600
Stddev	0.0004	0.0016	0.015	0.0004	0.0002	0.0001	0.0015	0.0003	0.0003
%RSD	93.12	48.47	.5982	626.9	.0437	17.93	181.4	375.9	1.218
#1	0.0006	-0.0035	2.555	-0.0005	0.4598	0.0004	-0.0018	-0.0004	0.2597
#2	0.0000	-0.0049	2.569	0.0001	0.4595	0.0005	0.0009	0.0002	0.2603
#3	0.0009	-0.0017	2.585	0.0002	0.4599	0.0005	-0.0017	0.0000	0.2601
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2363.8	4567.4	36537.	3314.0					
Stddev	11.1	26.1	217.	14.8					
%RSD	0.46850	0.57105	0.59290	0.44611					
#1	2375.0	4593.3	36346.	3310.4					
#2	2363.5	4567.7	36491.	3330.3					
#3	2352.9	4541.2	36772.	3301.4					

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Sample Name: MP30042-MB1 Acquired: 2/29/2016 13:55:48 Type: QC
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	0.0020	-0.0017	-0.0004	-0.0001	0.0069	-0.0001	-0.0001	0.0000
Stddev	0.0003	0.0114	0.0006	0.0001	0.0000	0.0029	0.0000	0.0000	0.0002
%RSD	81.06	574.6	33.57	23.33	30.35	41.96	35.17	15.99	1792.
#1	0.0000	0.0141	-0.0023	-0.0003	0.0000	0.0102	-0.0001	-0.0002	-0.0002
#2	-0.0005	0.0006	-0.0016	-0.0003	-0.0001	0.0053	-0.0001	-0.0002	0.0001
#3	-0.0004	-0.0087	-0.0012	-0.0005	-0.0001	0.0051	-0.0001	-0.0001	0.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	-0.0087	0.0093	0.0002	-0.0001	-0.0007	0.0428	-0.0003	-0.0003
Stddev	0.0003	0.0016	0.0257	0.0156	0.0000	0.0001	0.0012	0.0001	0.0004
%RSD	55.03	18.83	277.7	8502.	13.33	18.95	2.768	27.29	139.6
#1	-0.0003	-0.0103	-0.0189	0.0074	-0.0001	-0.0007	0.0419	-0.0002	0.0001
#2	-0.0008	-0.0070	0.0315	-0.0177	-0.0001	-0.0006	0.0441	-0.0003	-0.0007
#3	-0.0005	-0.0089	0.0153	0.0109	-0.0001	-0.0009	0.0423	-0.0003	-0.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0006	0.0003	0.0067	-0.0001	-0.0001	-0.0007	-0.0018	-0.0002	-0.0005
Stddev	0.0007	0.0002	0.0001	0.0003	0.0000	0.0000	0.0002	0.0001	0.0000
%RSD	110.2	63.31	0.7680	272.9	37.98	6.432	13.56	37.46	8.747
#1	0.0012	0.0001	0.0067	-0.0001	-0.0001	-0.0007	-0.0015	-0.0003	-0.0004
#2	0.0007	0.0003	0.0067	-0.0004	-0.0001	-0.0008	-0.0018	-0.0001	-0.0005
#3	-0.0001	0.0005	0.0066	0.0002	-0.0002	-0.0007	-0.0020	-0.0002	-0.0005
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: MP30042-MB1 Acquired: 2/29/2016 13:55:48 Type: QC
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2714.6	4892.8	39528.	3461.4
Stddev	3.3	10.4	23.	16.1
%RSD	0.12207	0.21177	0.05900	0.46399
#1	2710.8	4880.9	39526.	3444.4
#2	2717.1	4900.2	39505.	3476.4
#3	2715.9	4897.1	39551.	3463.3

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Sample Name: MP30042-B1 Acquired: 2/29/2016 14:00:20 Type: QC
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0473	28.66	2.004	2.145	0.0526	25.87	0.0524	0.5307	0.2060
Stddev	0.0007	0.09	0.003	0.007	0.0002	0.15	0.0000	0.0002	0.0010
%RSD	1.421	0.3093	0.1556	0.3385	0.3532	0.5769	0.0708	0.0458	0.4870
#1	0.0467	28.59	2.005	2.145	0.0528	25.70	0.0524	0.5307	0.2072
#2	0.0480	28.63	2.000	2.137	0.0528	25.98	0.0524	0.5302	0.2055
#3	0.0471	28.76	2.006	2.152	0.0524	25.94	0.0524	0.5303	0.2054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.2618	27.91	25.88	25.75	0.5157	0.5337	26.24	0.5246	0.4825
Stddev	0.0002	0.08	0.14	0.21	0.0024	0.0004	0.08	0.0003	0.0005
%RSD	0.0892	0.2790	0.5505	0.8219	0.4571	0.0796	0.2960	0.0496	0.0990
#1	0.2616	27.82	25.73	25.54	0.5184	0.5333	26.21	0.5245	0.4826
#2	0.2620	27.96	26.01	25.97	0.5143	0.5341	26.18	0.5244	0.4820
#3	0.2616	27.96	25.91	25.75	0.5144	0.5336	26.33	0.5249	0.4830
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.5092	2.039	0.1076	0.5231	0.5085	0.5126	1.942	0.4739	0.5117
Stddev	0.0034	0.007	0.0005	0.0007	0.0017	0.0016	0.002	0.0011	0.0010
%RSD	0.6604	0.3566	3.005	0.1262	0.3298	0.3025	0.0832	0.2294	0.1929
#1	0.5130	2.047	0.1071	0.5228	0.5081	0.5139	1.942	0.4751	0.5126
#2	0.5081	2.039	0.1081	0.5227	0.5071	0.5130	1.940	0.4738	0.5106
#3	0.5066	2.032	0.1078	0.5239	0.5104	0.5109	1.943	0.4729	0.5119
Check ?	Chk Pass	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: MP30042-B1 Acquired: 2/29/2016 14:00:20 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2433.6	4783.9	3819.8	3497.1
Stddev	2.0	4.5	163.	19.4
%RSD	.08179	.09356	.42616	.55356
#1	2431.6	4783.5	3801.2	3515.8
#2	2433.6	4779.6	38265.	3477.1
#3	2435.6	4788.5	38317.	3498.3

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Sample Name: FA31387-1 Acquired: 2/29/2016 14:04:33 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
IS Ref									
Avg	.0003	.0164	-.0021	.0932	-.0001	8.188	-.0001	.0014	.0007
Stddev	.0001	.0036	.0002	.0003	.0000	.061	.0000	.0001	.0001
%RSD	18.21	21.63	10.25	.3094	28.19	.7513	39.35	5.107	16.78
#1	.0003	.0203	-.0019	.0934	-.0001	8.258	-.0001	.0014	.0007
#2	.0003	.0156	-.0022	.0928	-.0001	8.160	-.0001	.0014	.0008
#3	.0004	.0134	-.0023	.0933	.0000	8.145	-.0001	.0013	.0006
Elem	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
IS Ref									
Avg	.0014	.0164	.4265	2.131	5.659	-.0006	149.4	.0015	.0008
Stddev	.0003	.0013	.0338	.034	.018	.0002	.3	.0001	.0003
%RSD	20.33	7.679	7.915	1.590	.3167	30.81	.2224	7.132	33.01
#1	.0011	.0176	.4213	2.160	5.674	-.0005	149.5	.0015	.0006
#2	.0017	.0164	.3957	2.140	5.663	-.0006	149.6	.0017	.0011
#3	.0015	.0151	.4626	2.094	5.639	-.0009	149.0	.0015	.0009
Elem	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
IS Ref									
Avg	.0013	.0002	.4029	.0004	.0387	.0000	-.0001	-.0001	.0141
Stddev	.0007	.0009	.0011	.0002	.0003	.000	.0015	.0000	.0001
%RSD	55.41	399.2	.2608	47.86	.6491	55.75	1065.	27.42	.5884
#1	.0009	.0011	.4038	.0006	.0389	.0000	.0015	-.0001	.0142
#2	.0021	-.0007	.4030	.0002	.0388	.0000	-.0005	-.0001	.0141
#3	.0009	.0002	.4018	.0005	.0384	-.0001	-.0014	-.0001	.0140
Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S					
Avg	2400.0	4689.9	3661.9	3370.3					
Stddev	8.9	13.2	43.	17.7					
%RSD	.37219	.28226	.11725	.52497					
#1	2390.1	4674.8	36576.	3365.9					
#2	2407.3	4699.2	36620.	3355.3					
#3	2402.7	4695.9	36662.	3389.8					

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Sample Name: CCV Acquired: 2/29/2016 14:09:10 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.2519	41.50	2.036	2.077	2.049	40.20	2.081	2.109	2.057
Stddev	.0007	.07	.005	.007	.007	.13	.006	.006	.002
%RSD	.2626	.1772	.2426	.3337	.3314	.3188	.2842	.3105	.0966
#1	.2526	41.43	2.035	2.073	2.046	40.18	2.078	2.105	2.057
#2	.2519	41.58	2.031	2.085	2.057	40.34	2.078	2.106	2.059
#3	.2512	41.48	2.041	2.073	2.045	40.08	2.088	2.117	2.055

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	2.057	41.48	40.50	40.36	2.062	2.090	40.63	2.066	1.989
Stddev	.012	.13	.07	.14	.006	.008	.09	.004	.004
%RSD	.5780	.3227	.1679	.3560	.2734	.3805	.2260	.2193	.2184
#1	2.062	41.38	40.47	40.50	2.063	2.083	40.54	2.063	1.986
#2	2.067	41.63	40.58	40.38	2.067	2.089	40.72	2.064	1.987
#3	2.044	41.42	40.45	40.21	2.056	2.098	40.65	2.071	1.994

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	2.050	2.063	1.715	2.030	2.024	2.042	2.006	1.988	2.041
Stddev	.010	.002	.007	.006	.007	.008	.002	.001	.007
%RSD	.4926	.1023	.4250	.2795	.3457	.3919	.0770	.0557	.3498
#1	2.038	2.061	1.706	2.027	2.017	2.041	2.005	1.988	2.046
#2	2.052	2.062	1.719	2.026	2.031	2.050	2.007	1.989	2.033
#3	2.058	2.065	1.719	2.036	2.023	2.034	2.004	1.987	2.044

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: CCV Acquired: 2/29/2016 14:09:10 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2293.3	4697.7	36962.	3373.1
Stddev	3.3	14.7	124.	6.0
%RSD	.14370	.31342	.33471	.17723
#1	2294.3	4711.3	36887.	3366.4
#2	2296.0	4699.8	37104.	3377.8
#3	2289.6	4682.1	36893.	3375.2

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Sample Name: CCB Acquired: 2/29/2016 14:13:21 Type: QC
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	0.011	-0.004	0.002	0.002	0.051	0.000	0.001	0.000
Stddev	0.002	0.044	0.005	0.002	0.001	0.053	0.000	0.001	0.001
%RSD	54.06	417.2	127.5	92.12	31.50	103.7	170.5	111.4	324.5

#1	-0.004	-0.038	0.000	0.003	0.003	0.008	0.000	0.001	-0.001
#2	-0.004	0.048	-0.009	0.000	0.002	0.111	0.000	0.002	0.001
#3	-0.001	0.022	-0.002	0.004	0.002	0.035	0.000	0.000	0.000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	0.168	0.151	-0.020	0.002	0.009	0.040	0.001	-0.002
Stddev	0.003	0.048	0.183	0.262	0.000	0.002	0.020	0.001	0.003
%RSD	128.2	28.52	121.5	1298.	5.754	26.70	5.029	82.12	163.7

#1	-0.005	0.216	0.116	0.267	0.002	0.011	0.379	0.001	0.001
#2	0.001	0.169	-0.013	-0.080	0.001	0.009	0.415	0.000	-0.005
#3	-0.004	0.120	0.348	-0.247	0.001	0.006	0.413	0.001	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.006	-0.002	0.028	0.007	0.001	0.011	-0.002	0.001	0.001
Stddev	0.012	0.017	0.029	0.003	0.001	0.002	0.008	0.001	0.001
%RSD	222.1	961.4	103.3	43.30	81.22	15.81	338.4	213.3	44.59

#1	0.007	0.001	0.009	0.007	0.003	0.012	-0.008	0.001	0.002
#2	-0.007	-0.020	0.014	0.009	0.002	0.011	0.007	-0.001	0.001
#3	0.017	0.013	0.061	0.004	0.000	0.009	-0.005	0.002	0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: CCB Acquired: 2/29/2016 14:13:21 Type: QC
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2697.3	4851.4	3874.0	3421.0
Stddev	6.4	11.2	28.	5.3
%RSD	.23879	.23070	.07285	.15587

#1	2693.6	4862.4	38711.	3416.8
#2	2704.8	4851.8	38768.	3427.0
#3	2693.6	4840.0	38740.	3419.2

Sample Name: MP30042-D1 Acquired: 2/29/2016 14:17:54 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.004	0.096	-0.014	0.933	-0.001	8.227	-0.001	0.014	0.008
Stddev	0.003	0.048	0.004	0.005	0.000	0.26	0.000	0.001	0.000
%RSD	72.73	49.58	32.96	5.578	31.07	3.212	41.94	6.993	5.678

#1	0.007	0.142	-0.009	0.931	0.000	8.246	-0.001	0.015	0.007
#2	0.002	0.047	-0.018	0.939	-0.001	8.239	-0.001	0.013	0.008
#3	0.002	0.099	-0.015	0.929	-0.001	8.197	0.000	0.014	0.008

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.015	0.126	0.3715	2.145	5.621	-0.004	149.8	0.014	0.002
Stddev	0.003	0.012	0.292	0.27	0.58	0.001	8	0.001	0.002
%RSD	20.00	9.274	7.863	1.278	1.030	17.66	5.399	9.171	116.4

#1	0.019	0.126	0.3860	2.176	5.576	-0.003	150.2	0.015	0.003
#2	0.014	0.137	0.3905	2.124	5.687	-0.004	150.4	0.013	0.003
#3	0.014	0.114	0.3378	2.135	5.602	-0.004	148.9	0.015	-0.001

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.008	0.005	0.4045	0.002	0.388	0.001	-0.003	-0.001	0.140
Stddev	0.003	0.001	0.011	0.002	0.002	0.000	0.011	0.001	0.001
%RSD	43.08	21.27	2.691	105.7	0.4785	49.36	379.4	90.33	0.4464

#1	0.004	0.005	0.4054	0.000	0.389	0.001	-0.001	-0.003	0.141
#2	0.008	0.004	0.4048	0.005	0.390	0.002	-0.015	-0.001	0.140
#3	0.011	0.007	0.4032	0.002	0.386	0.001	0.007	0.000	0.140

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2390.4	4647.5	36325.	3358.7
Stddev	11.1	12.0	234.	15.0
%RSD	4.6458	2.5866	0.64489	0.44613

#1	2380.0	4634.8	36376.	3346.0
#2	2389.2	4648.9	36070.	3354.9
#3	2402.1	4658.7	36530.	3375.3

Sample Name: MP30042-SD1 Acquired: 2/29/2016 14:22:31 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.002	0.322	-0.042	0.854	-0.002	7.729	-0.004	0.011	0.001
Stddev	0.006	0.116	0.019	0.003	0.004	0.05	0.000	0.004	0.005
%RSD	349.4	36.05	44.63	3.426	244.0	0.603	8.468	38.23	547.0

#1	-0.003	0.411	-0.056	0.851	0.003	7.726	-0.004	0.011	0.004
#2	0.009	0.191	-0.049	0.856	-0.003	7.727	-0.004	0.006	0.004
#3	-0.001	0.363	-0.021	0.856	-0.005	7.735	-0.004	0.015	-0.005

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.003	-0.241	0.3944	2.100	5.598	-0.034	141.7	0.009	-0.012
Stddev	0.002	0.140	0.1243	0.148	0.11	0.005	7	0.004	0.013
%RSD	51.24	58.24	31.50	7.055	1.969	13.77	5.030	39.15	113.2

#1	-0.001	-0.338	0.4710	2.210	5.609	-0.032	142.5	0.006	-0.021
#2	-0.004	-0.080	0.4611	2.159	5.597	-0.040	141.2	0.013	-0.018
#3	-0.003	-0.305	0.2510	1.931	5.587	-0.032	141.3	0.009	0.003

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.029	-0.021	0.3918	-0.001	0.359	-0.022	-0.001	-0.003	0.409
Stddev	0.039	0.055	0.016	0.015	0.004	0.003	0.052	0.005	0.004
%RSD	135.0	261.5	4.082	100.2	1.090	11.65	420.0	215.0	1.050

#1	0.052	-0.023	0.3915	0.002	0.363	-0.021	-0.053	0.004	0.412
#2	-0.016	-0.034	0.3936	-0.018	0.356	-0.020	0.051	-0.007	0.411
#3	0.052	-0.075	0.3905	0.011	0.356	-0.025	-0.001	-0.004	0.404

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2582.7	4802.7	37716.	3371.6
Stddev	1.7	6.6	124.	43.5
%RSD	0.06634	0.13732	0.32931	1.2895

#1	2581.2	4802.9	37734.	3321.6
#2	2584.6	4809.2	37584.	3400.9
#3	2582.4	4796.0	37830.	3392.2

Sample Name: MP30042-S1 Acquired: 2/29/2016 14:27:02 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stdev, %RSD, #1-3, Int. Std., Avg, Stdev, %RSD, #1-3).

Sample Name: MP30042-S2 Acquired: 2/29/2016 14:31:32 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stdev, %RSD, #1-3, Int. Std., Avg, Stdev, %RSD, #1-3).

Sample Name: FA31502-1L Acquired: 2/29/2016 14:36:00 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stdev, %RSD, #1-3, Int. Std., Avg, Stdev, %RSD, #1-3).

Sample Name: FA31502-2L Acquired: 2/29/2016 14:40:30 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stdev, %RSD, #1-3, Int. Std., Avg, Stdev, %RSD, #1-3).

7.1

Sample Name: FA31502-3L Acquired: 2/29/2016 14:45:02 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.037	-0.020	0.149	0.000	1.366	0.000	0.001	0.004
Stddev	0.001	0.081	0.005	0.002	0.000	0.002	0.001	0.001	0.001
%RSD	43.61	25.74	23.18	1.508	123.2	0.1630	245.6	89.07	24.30
#1	-0.003	0.257	-0.021	0.151	-0.001	1.364	0.001	0.000	0.003
#2	-0.001	0.284	-0.015	0.147	0.000	1.367	0.000	0.002	0.005
#3	-0.002	0.409	-0.024	0.149	-0.001	1.368	0.000	0.001	0.005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.002	0.026	0.377	0.189	0.026	-0.005	F 142.3	0.004	0.1516
Stddev	0.003	0.009	0.227	0.038	0.002	0.001	2	0.003	0.004
%RSD	129.9	32.31	6.718	1.998	0.4277	12.91	0.1601	64.45	0.2883
#1	-0.001	0.036	0.3292	0.1940	0.0528	-0.005	142.4	0.002	0.1511
#2	-0.003	0.019	0.3204	0.1871	0.0524	-0.006	142.0	0.003	0.1520
#3	0.005	0.025	0.3634	0.1879	0.0527	-0.004	142.4	0.007	0.1517
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.003	-0.011	0.037	0.002	0.038	-0.004	-0.001	-0.001	0.1335
Stddev	0.007	0.007	0.003	0.003	0.001	0.001	0.004	0.000	0.004
%RSD	251.2	60.89	0.7848	165.3	2.191	17.22	19.45	30.48	0.2823
#1	0.004	-0.018	0.0359	0.004	0.039	-0.003	-0.026	-0.002	0.1333
#2	-0.005	-0.004	0.0359	-0.002	0.038	-0.004	-0.017	-0.001	0.1333
#3	0.009	-0.011	0.0354	0.003	0.038	-0.003	-0.021	-0.001	0.1340
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2400.5	4598.4	3654.9	3382.7					
Stddev	1.4	9.0	104.	17.0					
%RSD	0.5724	0.19473	0.28404	0.50153					
#1	2402.0	4588.2	3655.2	3383.7					
#2	2400.5	4601.6	3665.1	3399.1					
#3	2399.2	4605.3	3644.3	3365.3					

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Sample Name: FA31441-1L Acquired: 2/29/2016 14:49:29 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	0.253	-0.021	0.384	0.000	3.728	-0.001	0.003	0.002
Stddev	0.001	0.025	0.003	0.001	0.000	0.117	0.000	0.001	0.001
%RSD	28.73	1.095	13.83	0.2726	89.91	0.4662	3.761	19.97	47.08
#1	-0.005	0.274	-0.020	0.384	-0.001	3.743	-0.001	0.003	0.001
#2	-0.006	0.226	-0.019	0.383	0.000	3.709	-0.001	0.003	0.002
#3	-0.003	0.259	-0.025	0.385	0.000	3.732	-0.001	0.002	0.004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.006	0.059	0.192	0.304	0.010	-0.007	F 148.6	0.014	0.0050
Stddev	0.001	0.021	0.271	0.055	0.001	0.001	7	0.001	0.010
%RSD	2.571	3.262	14.09	1.833	0.9075	19.46	0.4902	5.616	19.69
#1	0.037	0.071	0.2098	0.3001	0.0101	-0.007	149.2	0.013	0.048
#2	0.037	0.071	0.2057	0.2966	0.0100	-0.008	147.7	0.015	0.060
#3	0.035	0.0634	0.1610	0.3074	0.0099	-0.006	148.7	0.014	0.041
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.011	-0.006	0.205	0.001	0.158	0.065	-0.030	0.001	0.0070
Stddev	0.006	0.003	0.027	0.002	0.001	0.002	0.015	0.001	0.001
%RSD	54.27	61.31	1.135	143.9	0.4694	2.898	49.78	137.9	0.9374
#1	0.015	-0.008	0.2436	0.004	0.158	0.067	-0.045	0.000	0.069
#2	0.015	-0.007	0.2387	0.000	0.158	0.065	-0.015	0.003	0.070
#3	0.004	-0.002	0.2392	0.001	0.159	0.063	-0.032	0.000	0.069
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2393.8	4633.9	3679.4	3441.6					
Stddev	5.6	12.5	62.	29.2					
%RSD	0.23518	0.26926	0.16790	0.84829					
#1	2387.7	4632.0	3677.3	3425.0					
#2	2395.0	4622.5	3674.6	3475.3					
#3	2398.8	4647.2	3686.3	3424.5					

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Sample Name: MP30042-D2 Acquired: 2/29/2016 14:54:02 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	0.020	-0.015	0.239	0.001	5.348	-0.001	0.000	0.001
Stddev	0.004	0.010	0.003	0.000	0.000	0.34	0.000	0.000	0.001
%RSD	91.97	4.754	19.52	0.1345	56.44	6.296	20.49	160.2	101.5
#1	-0.008	0.196	-0.011	0.239	0.001	5.380	-0.001	0.000	0.001
#2	-0.000	0.197	-0.017	0.239	0.000	5.352	-0.001	0.000	0.002
#3	-0.006	0.213	-0.016	0.239	0.001	5.313	-0.001	0.000	0.000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.059	0.589	0.3787	0.3843	0.021	-0.006	F 142.5	0.000	0.010
Stddev	0.002	0.037	0.076	0.113	0.001	0.001	3	0.001	0.002
%RSD	3.740	6.356	1.995	2.950	0.3686	9.451	0.2318	217.2	22.87
#1	0.061	0.576	0.3830	0.3967	0.021	-0.006	142.8	0.000	0.008
#2	0.061	0.632	0.3699	0.3744	0.021	-0.005	142.5	0.001	0.013
#3	0.057	0.560	0.3830	0.3818	0.022	-0.006	142.2	0.000	0.009
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.010	-0.011	0.1218	0.002	0.180	-0.001	-0.002	-0.002	0.017
Stddev	0.010	0.006	0.010	0.003	0.002	0.000	0.002	0.001	0.001
%RSD	99.93	52.65	0.7960	114.0	1.168	56.28	9.278	76.14	6.084
#1	0.002	-0.018	0.1229	-0.001	0.181	-0.001	-0.0024	0.000	0.018
#2	0.006	-0.007	0.1214	0.004	0.182	0.000	-0.0020	-0.003	0.016
#3	0.020	-0.009	0.1211	0.003	0.178	-0.001	-0.0022	-0.002	0.017
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2375.5	4571.2	3598.3	3324.2					
Stddev	10.6	24.9	127.	16.2					
%RSD	0.44630	0.54374	0.35256	0.48783					
#1	2369.1	4548.8	3609.4	3305.4					
#2	2369.7	4566.9	3584.4	3333.1					
#3	2387.7	4598.0	3600.9	3333.9					

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Sample Name: MP30042-MB2 Acquired: 2/29/2016 14:58:31 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.008	0.015	-0.018	-0.004	-0.001	0.013	-0.001	-0.001	-0.001
Stddev	0.003	0.092	0.009	0.002	0.001	0.014	0.000	0.001	0.002
%RSD	39.16	607.9	51.69	64.19	55.70	108.5	35.18	59.18	206.4
#1	-0.004	0.005	-0.007	-0.006	0.000	0.029	-0.002	-0.001	-0.003
#2	-0.009	-0.071	-0.023	-0.001	-0.002	0.011	-0.001	-0.002	0.001
#3	-0.010	0.112	-0.023	-0.005	-0.001	0.000	-0.001	-0.002	-0.001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									

Sample Name: MP30042-MB2 Acquired: 2/29/2016 14:58:31 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2422.8	4634.9	37035.	3399.5
Stddev	3.6	5.9	147.	10.1
%RSD	.14666	.12650	.39632	.29766
#1	2420.2	4638.4	37201.	3405.0
#2	2426.8	4638.2	36921.	3405.6
#3	2421.3	4628.1	36985.	3387.8

Sample Name: CCV Acquired: 2/29/2016 15:03:02 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	2541	41.99	2.057	2.126	2.055	40.31	2.102	2.143	2.044
Stddev	.008	.10	.004	.009	.006	.21	.004	.002	.009
%RSD	.3187	.2406	.1728	.4297	.3037	.5217	.1689	.1053	.4399
#1	.2532	42.04	2.055	2.127	2.058	40.53	2.098	2.140	2.050
#2	.2544	42.06	2.056	2.135	2.059	40.29	2.102	2.143	2.048
#3	.2548	41.87	2.061	2.116	2.048	40.11	2.105	2.144	2.034

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	2.068	41.69	40.58	40.07	2.027	2.124	40.82	2.083	1.985
Stddev	.008	.09	.15	.17	.009	.004	.12	.003	.002
%RSD	.3948	.2263	.3684	.4331	.4685	.1707	.3018	.1457	.1172
#1	2.059	41.73	40.68	40.25	2.030	2.122	40.82	2.080	1.987
#2	2.075	41.75	40.65	40.06	2.033	2.122	40.95	2.083	1.983
#3	2.069	41.58	40.41	39.90	2.016	2.129	40.70	2.086	1.985

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	2.069	2.102	1.735	2.032	2.029	2.015	2.002	1.972	2.039
Stddev	.001	.001	.001	.002	.007	.006	.006	.004	.005
%RSD	.0487	.0656	.0439	.1068	.3462	.2852	.3094	.2126	.2389
#1	2.068	2.101	1.735	2.029	2.031	2.014	2.009	1.975	2.034
#2	2.070	2.102	1.735	2.032	2.035	2.021	2.001	1.973	2.042
#3	2.068	2.104	1.736	2.033	2.022	2.010	1.997	1.967	2.042

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

7.1
7

Sample Name: CCV Acquired: 2/29/2016 15:03:02 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2297.8	4664.6	37254.	3388.6
Stddev	2.3	8.5	238.	16.8
%RSD	.10019	.18223	.63943	.49467
#1	2295.6	4669.8	36986.	3372.0
#2	2300.1	4669.2	37334.	3388.2
#3	2297.6	4654.8	37442.	3405.6

Sample Name: CCB Acquired: 2/29/2016 15:07:13 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.005	0.088	0.000	-0.003	0.002	0.014	0.000	0.001	0.001
Stddev	.002	.0047	.0005	.004	.001	.0049	.0000	.0001	.002
%RSD	41.52	52.93	3596.	116.5	48.30	358.7	89.66	63.56	325.9
#1	-0.003	.0142	.0000	-0.006	.0003	.0016	.0001	.0001	.0001
#2	-0.004	.0066	.0005	-0.005	.0002	.0062	.0000	.0000	.0003
#3	-0.007	.0057	-0.005	.0001	.0001	-0.036	.0000	.0001	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-0.003	0.122	0.083	0.049	0.001	0.007	0.471	0.000	0.000
Stddev	.0003	.0030	.0167	.0089	.0000	.0001	.0085	.000	.000
%RSD	97.38	24.92	200.0	183.2	62.34	18.25	17.96	1053.	394.1
#1	-0.005	.0157	-0.071	.0095	.0001	.0008	.0539	-0.001	-0.001
#2	-0.003	.0103	.0260	.0105	.0000	.0008	.0376	.0002	.0002
#3	.0000	.0105	.0062	-0.054	.0000	.0006	.0497	-0.002	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	0.006	-0.013	0.016	0.003	0.001	0.009	0.002	0.001	-0.002
Stddev	.0004	.0008	.0004	.0001	.0001	.0001	.0001	.0001	.0001
%RSD	61.35	64.24	25.49	49.68	74.72	12.45	58.42	75.04	56.09
#1	.0010	-0.007	.0013	.0001	.0000	.0010	.0003	.0002	-0.001
#2	.0004	-0.022	.0020	.0004	.0001	.0009	.0001	.0001	-0.001
#3	.0004	-0.009	.0013	.0003	.0000	.0008	.0001	.0000	-0.003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 2/29/2016 15:07:13 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2696.4	4826.7	3897.4	3467.6
Stddev	10.2	14.4	176.	21.9
%RSD	.37689	.29924	.45150	.63141

#1	2687.0	4810.4	3880.4	3480.7
#2	2695.0	4832.0	3896.1	3479.9
#3	2707.2	4837.7	3915.5	3442.3

Sample Name: MP30042-B2 Acquired: 2/29/2016 15:11:46 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0498	30.22	2.138	2.234	.0552	26.86	.0547	.5511	.2156
Stddev	.0003	.07	.008	.014	.0002	.14	.0001	.0003	.0011
%RSD	.6136	.2341	.3799	.6290	.2982	.5319	.1422	.0615	.5028

#1	.0501	30.30	2.147	2.248	.0554	27.02	.0546	.5513	.2150
#2	.0495	30.17	2.138	2.220	.0553	26.82	.0548	.5513	.2168
#3	.0498	30.20	2.130	2.235	.0551	26.74	.0547	.5507	.2149

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.2763	29.25	27.36	26.85	.5401	.5612	F 170.3	.5426	.5052
Stddev	.0012	.11	.09	.13	.0016	.0005	2.7	.0018	.0015
%RSD	.4204	.3922	.3423	.4864	.2950	.0919	1.589	.3398	.3046

#1	.2776	29.38	27.38	27.00	.5418	.5609	167.2	.5447	.5062
#2	.2754	29.18	27.44	26.82	.5386	.5618	171.7	.5413	.5034
#3	.2760	29.19	27.25	26.74	.5398	.5609	172.0	.5418	.5060

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 Value Range 25.00 20.00%

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.5361	2.203	.0187	.5384	.5307	.5387	1.986	.4929	.5394
Stddev	.0022	.006	.0002	.0020	.0017	.0022	.007	.0016	.0009
%RSD	.4050	.2842	.9803	.3732	.3118	.4169	.3321	.3275	.1594

#1	.5383	2.210	.0186	.5407	.5319	.5413	1.990	.4939	.5403
#2	.5340	2.202	.0185	.5376	.5313	.5372	1.979	.4910	.5386
#3	.5359	2.197	.0189	.5369	.5288	.5377	1.990	.4937	.5393

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

7.1
7

Sample Name: MP30042-B2 Acquired: 2/29/2016 15:11:46 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2269.0	4569.0	3623.4	3388.7
Stddev	10.1	10.5	147.	18.9
%RSD	.44677	.22876	.40652	.55782

#1	2261.8	4559.2	3610.1	3367.5
#2	2280.6	4580.0	3639.3	3394.9
#3	2264.5	4567.8	3620.8	3403.7

Sample Name: MP30042-MB3 Acquired: 2/29/2016 15:16:09 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-.0004	.0075	-.0021	-.0004	.0000	-.0007	-.0001	-.0002	.0000
Stddev	.0001	.0044	.0007	.0002	.000	.0011	.0000	.0000	.0001
%RSD	33.96	58.39	34.76	64.35	102.4	172.0	29.13	6.550	117.4

#1	-.0005	.0126	-.0015	-.0001	.0000	-.0002	-.0001	-.0001	-.0001
#2	-.0003	.0045	-.0029	-.0006	.0000	-.0020	-.0001	-.0002	.0000
#3	-.0004	.0055	-.0018	-.0003	-.0001	.0002	-.0001	-.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-.0001	.0034	.0805	.0163	-.0001	-.0001	F 154.3	-.0001	.0002
Stddev	.0001	.0057	.0206	.0349	.0000	.0001	2.0	.0001	.0004
%RSD	224.8	168.8	25.58	213.4	26.73	145.7	1.274	71.66	194.7

#1	-.0001	.0096	.1016	.0109	-.0001	-.0002	153.0	-.0001	-.0002
#2	.0001	.0022	.0794	.0536	-.0001	.0001	153.5	.0000	.0003
#3	-.0002	-.0016	.0605	-.0155	-.0001	-.0002	156.6	-.0001	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 High Limit Low Limit 2.500 -2.500

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0003	-.0005	.0076	.0006	.0000	-.0002	-.0008	-.0001	-.0003
Stddev	.0007	.0023	.0001	.0002	.000	.0001	.0002	.0002	.0001
%RSD	224.1	439.1	1.859	41.75	86.69	46.59	18.29	331.8	23.26

#1	.0009	.0018	.0077	.0006	-.0001	-.0001	-.0009	.0002	-.0003
#2	.0006	-.0006	.0076	.0003	-.0001	-.0002	-.0007	-.0002	-.0002
#3	-.0005	-.0027	.0074	.0007	.0000	-.0002	-.0009	-.0002	-.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: MP30042-MB3 Acquired: 2/29/2016 15:16:09 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2398.1	4585.2	3656.6	3365.5
Stddev	4.3	3.4	137.	14.4
%RSD	.18069	.07333	.37357	.42868
#1	2401.7	4588.9	3660.3	3372.7
#2	2393.3	4584.0	3668.0	3375.0
#3	2399.4	4582.5	3641.5	3348.9

Sample Name: MP30042-B3 Acquired: 2/29/2016 15:20:47 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0515	30.74	2.185	2.291	.0560	27.36	.0556	.5605	.2171
Stddev	.0005	.15	.006	.010	.0003	.07	.0003	.0028	.0005
%RSD	.9648	.5018	.2836	.4319	.5645	.2513	.4565	.4908	.2476
#1	.0513	30.68	2.190	2.295	.0561	27.34	.0558	.5633	.2166
#2	.0521	30.91	2.186	2.299	.0562	27.43	.0556	.5603	.2177
#3	.0512	30.62	2.178	2.280	.0556	27.30	.0553	.5578	.2172

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.2803	29.71	27.76	27.12	.5420	.5713	F 183.8	.5504	.5116
Stddev	.0018	.14	.16	.26	.0009	.0015	1.9	.0026	.0014
%RSD	.6384	.4599	.5762	.9658	.1738	.2675	1.056	.4672	.2787
#1	.2819	29.61	27.69	26.91	.5423	.5729	184.7	.5524	.5122
#2	.2784	29.87	27.94	27.41	.5427	.5713	185.0	.5513	.5126
#3	.2805	29.66	27.65	27.04	.5409	.5698	181.5	.5475	.5100

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 Value Range 25.00 20.00%

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.5467	2.254	.0195	.5468	.5395	.5432	2.008	.5004	.5454
Stddev	.0030	.004	.0004	.0019	.0020	.0009	.007	.0016	.0013
%RSD	.5467	.1947	2.304	.3398	.3770	.1728	.3269	.3166	.2450
#1	.5494	2.258	.0200	.5482	.5409	.5427	2.014	.5000	.5461
#2	.5472	2.250	.0192	.5475	.5404	.5427	2.009	.5021	.5463
#3	.5435	2.254	.0192	.5447	.5372	.5443	2.001	.4990	.5439

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

7.1
7

Sample Name: MP30042-B3 Acquired: 2/29/2016 15:20:47 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2250.1	4525.4	3623.6	3357.3
Stddev	6.7	21.6	55.	21.7
%RSD	.29668	.47824	.15202	.64557
#1	2243.2	4503.3	3622.8	3364.8
#2	2250.4	4526.5	3618.5	3332.9
#3	2256.5	4546.5	3629.4	3374.3

Sample Name: MP30043-MB1 Acquired: 2/29/2016 15:25:10 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-.0003	.0041	-.0023	-.0003	.0000	.0136	-.0001	-.0001	.0004
Stddev	.0003	.0079	.0003	.0003	.000	.0031	.0000	.0000	.0002
%RSD	88.37	191.1	10.98	81.67	74.75	22.86	23.76	9.658	50.38
#1	-.0006	.0132	-.0023	.0000	.0000	.0171	-.0001	-.0001	.0004
#2	-.0002	-.0005	-.0026	-.0005	.0000	.0122	-.0001	-.0001	.0005
#3	-.0001	-.0004	-.0021	-.0005	.0000	.0114	-.0002	-.0001	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0001	.0132	.0234	.0159	.0001	-.0002	.0963	-.0002	.0000
Stddev	.0002	.0028	.0299	.0111	.0000	.0001	.0048	.0001	.0004
%RSD	168.1	21.33	127.7	69.85	15.43	54.85	4.985	62.13	5387.
#1	-.0001	.0162	.0529	.0105	.0001	-.0002	.1017	-.0003	.0003
#2	.0003	.0128	-.0070	.0286	.0001	-.0003	.0925	-.0001	.0002
#3	.0001	.0106	.0244	.0085	.0001	-.0001	.0947	-.0001	-.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0019	-.0006	.0089	.0213	-.0001	-.0001	-.0008	.0000	.0001
Stddev	.0005	.0004	.0009	.0004	.0000	.0001	.0001	.000	.0000
%RSD	25.14	74.32	10.11	2.047	38.17	101.9	16.46	111.8	25.52
#1	.0024	-.0010	.0084	.0217	-.0001	-.0002	-.0010	.0000	.0001
#2	.0015	-.0006	.0099	.0208	-.0001	-.0001	-.0007	-.0001	.0001
#3	.0018	-.0001	.0083	.0213	-.0001	.0000	-.0008	.0000	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: MP30043-MB1 Acquired: 2/29/2016 15:25:10 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2742.9	4843.5	3956.0	3473.2
Stddev	5.1	10.7	201.	32.5
%RSD	.18727	.22114	.50887	.93450
#1	2742.0	4842.8	39329.	3435.8
#2	2738.2	4833.2	39699.	3493.8
#3	2748.4	4854.6	39651.	3490.0

Sample Name: MP30043-B1 Acquired: 2/29/2016 15:29:42 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0478	29.73	2.008	2.176	.0542	26.57	.0525	.5369	.2087
Stddev	.0003	.02	.004	.003	.0004	.03	.0001	.0007	.0010
%RSD	.5258	.0814	.2054	.1431	.7624	.1185	.2257	.1319	.4732
#1	.0476	29.76	2.011	2.175	.0547	26.54	.0526	.5372	.2076
#2	.0481	29.72	2.004	2.173	.0539	26.61	.0524	.5360	.2092
#3	.0477	29.72	2.011	2.179	.0541	26.57	.0526	.5373	.2093

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.2696	28.85	26.44	26.75	.5264	.5495	26.78	.5281	.4799
Stddev	.0009	.04	.10	.09	.0017	.0012	.02	.0008	.0021
%RSD	.3263	.1266	.3870	.3476	.3304	.2176	.0711	.1508	.4278
#1	.2693	28.82	26.45	26.86	.5244	.5498	26.80	.5289	.4820
#2	.2706	28.85	26.33	26.71	.5273	.5482	26.76	.5280	.4779
#3	.2690	28.89	26.54	26.68	.5274	.5505	26.79	.5273	.4798

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.5089	2.051	.0166	.5466	.5193	.5271	1.931	.4777	.5127
Stddev	.0030	.002	.0002	.0002	.0011	.0012	.007	.0008	.0009
%RSD	.5946	.0922	1.397	.0278	.2179	.2306	.3521	.1679	.1847
#1	.5115	2.052	.0168	.5465	.5200	.5257	1.938	.4770	.5137
#2	.5056	2.052	.0168	.5467	.5180	.5279	1.925	.4786	.5119
#3	.5096	2.048	.0164	.5465	.5199	.5275	1.931	.4777	.5124

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

7.1
7

Sample Name: MP30043-B1 Acquired: 2/29/2016 15:29:42 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2441.6	4757.4	3790.3	3366.2
Stddev	4.5	4.0	22.	14.3
%RSD	.18633	.08492	.05712	.42615
#1	2436.3	4756.2	37928.	3364.4
#2	2444.2	4761.9	37887.	3352.8
#3	2444.2	4754.1	37894.	3381.3

Sample Name: FA31659-1 Acquired: 2/29/2016 15:33:56 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0004	287.5	.0455	.1883	.0017	56.20	-.0015	.0096	.2263
Stddev	.0002	.8	.0010	.0003	.0000	.35	.0001	.0001	.0012
%RSD	43.62	.2717	2.148	.1548	2.271	.6312	6.925	1.476	.5114
#1	-.0005	288.3	.0444	.1887	.0017	56.50	-.0017	.0097	.2255
#2	-.0003	286.8	.0460	.1882	.0017	55.81	-.0014	.0095	.2258
#3	-.0003	287.4	.0461	.1882	.0017	56.30	-.0015	.0098	.2277

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0672	165.2	1.362	7.474	.8219	.0089	.2799	.0374	.1165
Stddev	.0004	1.0	.014	.082	.0036	.0002	.0060	.0000	.0013
%RSD	.5761	.5879	.9892	1.092	.4415	1.793	2.138	.0594	1.143
#1	.0676	166.2	1.350	7.545	.8199	.0088	.2738	.0374	.1151
#2	.0674	164.3	1.377	7.385	.8197	.0090	.2857	.0374	.1168
#3	.0668	165.1	1.359	7.491	.8261	.0087	.2802	.0374	.1177

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0011	.0030	.9603	.0191	.0471	1.206	-.0074	.3775	.2851
Stddev	.0013	.0024	.0023	.0003	.0000	.003	.0005	.0011	.0002
%RSD	118.0	77.54	2.409	1.524	.0411	2.372	7.108	.3022	.0792
#1	.0026	.0039	9581	.0191	.0471	1.204	-.0068	.3774	.2852
#2	.0003	.0004	9601	.0193	.0470	1.205	-.0079	.3764	.2853
#3	.0004	.0049	9627	.0188	.0471	1.210	-.0074	.3786	.2849

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2359.1	5569.4	4335.8	3923.9
Stddev	2.5	7.8	179.	35.9
%RSD	.10712	.13966	.41182	.91528
#1	2357.4	5563.9	4344.3	3882.7
#2	2357.9	5578.3	4347.8	3948.6
#3	2362.0	5566.1	4315.3	3940.3

Sample Name: MP30043-D1 Acquired: 2/29/2016 15:38:16 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.007	275.6	.0420	.1754	.0014	56.49	-0.014	.0089	.2057
Stddev	.0004	1.4	.0009	.0009	.0000	.38	.0001	.0001	.0004
%RSD	48.86	.5073	2.085	.5090	3.182	.6726	9.250	1.054	.2104
#1	-.0003	276.5	.0412	.1761	.0015	56.61	-.0013	.0088	.2059
#2	-.0008	276.4	.0430	.1757	.0014	56.80	-.0016	.0090	.2061
#3	-.0011	274.0	.0419	.1744	.0014	56.07	-.0014	.0089	.2052
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0641	155.7	1.150	11.88	.6823	.0083	.1947	.0365	.0980
Stddev	.0003	.9	.038	.06	.0018	.0003	.0076	.0002	.0003
%RSD	.5104	.5619	3.304	.4654	.2567	4.013	3.929	.6442	.2793
#1	.0640	156.0	1.122	11.88	.6825	.0079	.2034	.0368	.0980
#2	.0638	156.4	1.194	11.94	.6839	.0085	.1890	.0363	.0978
#3	.0644	154.7	1.136	11.83	.6804	.0084	.1917	.0364	.0983
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.002	.0017	1.036	.0186	.0561	1.145	-0.067	.3547	.2472
Stddev	.0025	.0017	.003	.0004	.0005	.004	.0004	.0009	.0001
%RSD	1307.	99.48	.2636	2.115	.9148	.3210	5.368	.2660	.0353
#1	-.0030	.0035	1.040	.0187	.0564	1.147	-.0067	.3548	.2473
#2	.0009	.0001	1.035	.0181	.0564	1.147	-.0063	.3556	.2472
#3	.0016	.0015	1.035	.0189	.0555	1.141	-.0071	.3537	.2472
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2368.9	5446.0	42792.	3908.2					
Stddev	5.9	14.3	227.	34.5					
%RSD	.25076	.26278	.53051	.88180					
#1	2363.5	5436.3	42753.	3885.8					
#2	2367.9	5439.3	42587.	3890.9					
#3	2375.2	5462.5	43036.	3947.9					

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Sample Name: MP30043-SD1 Acquired: 2/29/2016 15:42:35 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0023	339.4	.0457	.2239	.0019	67.01	-0.0025	.0122	.2732
Stddev	.0021	1.2	.0008	.0032	.0002	.16	.0004	.0001	.0007
%RSD	90.65	.3429	1.781	1.431	9.004	.2315	17.81	.7632	.2661
#1	-.0002	338.7	.0448	.2203	.0019	66.84	-.0021	.0122	.2725
#2	-.0024	340.7	.0460	.2251	.0017	67.05	-.0023	.0122	.2739
#3	-.0044	338.7	.0464	.2263	.0020	67.14	-.0030	.0123	.2732
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0808	203.1	1.944	8.812	.9959	.0076	.9682	.0448	.1181
Stddev	.0006	.6	.049	.043	.0010	.0005	.0584	.0008	.0017
%RSD	.6857	.2905	2.541	.4863	.1042	6.657	6.033	1.880	1.412
#1	.0802	202.4	1.905	8.858	.9960	.0079	.9560	.0458	.1197
#2	.0812	203.5	1.999	8.804	.9948	.0079	.9168	.0443	.1164
#3	.0811	203.2	1.927	8.774	.9968	.0070	1.032	.0443	.1184
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.019	-0.0006	1.179	.0233	.0555	1.444	-0.094	.4499	.3974
Stddev	.0027	.0127	.005	.0009	.0006	.001	.0011	.0012	.0016
%RSD	144.0	2209.	.3882	4.002	1.166	.0746	11.53	.2747	.4015
#1	.0008	.0131	1.174	.0244	.0551	1.445	-.0086	.4511	.3961
#2	-.0046	-.0030	1.180	.0226	.0563	1.444	-.0107	.4500	.3970
#3	-.0019	-.0118	1.183	.0229	.0551	1.443	-.0090	.4486	.3992
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2536.3	5017.4	39917.	3542.5					
Stddev	6.3	4.7	76.	14.1					
%RSD	.24841	.09312	.19053	.39845					
#1	2538.5	5022.8	39915.	3557.0					
#2	2541.1	5014.9	39994.	3528.8					
#3	2529.1	5014.5	39842.	3541.8					

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Sample Name: MP30043-PS1 Acquired: 2/29/2016 15:46:58 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0412	284.3	1.281	.4139	.0459	59.02	.0400	.0518	.2615
Stddev	.0002	.6	.0017	.0006	.0001	.15	.0000	.0001	.0010
%RSD	.3720	.1979	1.350	.1449	.1709	.2517	.1092	.2189	.3890
#1	.0413	284.8	1.279	.4146	.0460	59.19	.0400	.0517	.2622
#2	.0413	283.7	1.300	.4134	.0458	58.95	.0399	.0518	.2620
#3	.0410	284.2	1.265	.4138	.0458	58.91	.0400	.0519	.2603
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1586	164.2	9.792	11.43	.8354	.0929	8.955	.1174	.1569
Stddev	.0010	.4	.019	.05	.0071	.0002	.025	.0003	.0009
%RSD	.6373	.2178	.1911	.4341	.8461	.1783	2.751	.2286	.5637
#1	.1580	164.6	9.814	11.46	.8375	.0928	8.973	.1171	.1568
#2	.1598	163.9	9.778	11.46	.8412	.0929	8.927	.1176	.1578
#3	.1581	164.1	9.785	11.37	.8275	.0931	8.964	.1175	.1560
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0855	.0831	.9444	.0565	.0872	1.250	.0821	.4027	.4849
Stddev	.0007	.0026	.0019	.0002	.0003	.007	.0023	.0019	.0007
%RSD	.7687	3.126	.1970	.2988	.3413	.5959	2.829	.4743	.1405
#1	.0854	.0803	.9460	.0566	.0875	1.252	.0841	.4040	.4848
#2	.0861	.0854	.9424	.0563	.0871	1.257	.0826	.4036	.4856
#3	.0848	.0837	.9449	.0565	.0870	1.242	.0796	.4005	.4843
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2364.7	5574.4	43665.	3899.8					
Stddev	7.1	7.7	260.	14.2					
%RSD	.30178	.13752	.59566	.36467					
#1	2357.6	5568.3	43438.	3884.5					
#2	2364.6	5583.0	43609.	3902.4					
#3	2371.9	5571.9	43949.	3912.6					

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Sample Name: MP30043-S1 Acquired: 2/29/2016 15:51:15 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0422	300.2	1.686	2.090	.0483	48.56	.0417	.4479	.3680
Stddev	.0004	1.8	.002	.010	.0003	.22	.0002	.0008	.0010
%RSD	.9450	.5855	.1298	.4674	.5234	.4603	.4402	.1696	.2724
#1	.0419	299.8	1.688	2.093	.0481	48.54	.0418	.4487	.3669
#2	.0421	302.1	1.686	2.098	.0485	48.78	.0415	.4479	.3689
#3	.0427	298.7	1.683	2.079	.0482	48.34	.0418	.4472	.3683
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3057	171.6	24.23	25.67	.9999	.4142	23.74	.4660	.5621
Stddev	.0008	1.0	.13	.13	.0013	.0009	.12	.0002	.0010
%RSD	.2504	.5623	.5559	.5130	.1306				

Sample Name: CCV Acquired: 2/29/2016 15:55:27 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2583	42.63	2.103	2.175	2.082	40.91	2.156	F 2.207	2.076
Stddev	.0011	.12	.005	.008	.004	.03	.001	.001	.002
%RSD	.4315	.2780	.2427	.3498	.2136	.0745	.0646	.0231	.0861
#1	.2595	42.72	2.102	2.182	2.085	40.88	2.156	2.208	2.074
#2	.2573	42.66	2.098	2.176	2.085	40.90	2.157	2.207	2.075
#3	.2580	42.49	2.108	2.167	2.077	40.94	2.154	2.207	2.078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value								2.000	
Range								10.00%	

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.107	42.26	41.28	40.42	2.040	2.185	41.55	2.131	2.018
Stddev	.007	.11	.14	.07	.002	.001	.06	.001	.005
%RSD	.3147	.2491	.3282	.1783	.1078	.0568	.1552	.0289	.2615
#1	2.114	42.38	41.44	40.34	2.038	2.184	41.63	2.131	2.016
#2	2.102	42.24	41.20	40.43	2.040	2.184	41.52	2.130	2.013
#3	2.103	42.17	41.21	40.48	2.043	2.186	41.51	2.132	2.023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.120	2.157	1.774	2.072	2.050	2.033	2.033	1.994	2.084
Stddev	.006	.004	.004	.001	.006	.001	.008	.003	.002
%RSD	.2725	.1806	.2519	.0557	.2803	.0672	.3925	.1428	.0998
#1	2.114	2.153	1.769	2.072	2.056	2.034	2.029	1.995	2.084
#2	2.126	2.161	1.775	2.071	2.049	2.032	2.028	1.991	2.086
#3	2.119	2.157	1.777	2.073	2.044	2.032	2.042	1.997	2.082
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Sample Name: CCB Acquired: 2/29/2016 15:59:38 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0053	-0.0006	-0.0003	.0002	.0022	.0000	.0001	.0000
Stddev	.000	.0060	.0005	.0003	.0000	.0018	.0000	.0000	.0002
%RSD	1100.	114.5	78.88	102.4	25.68	84.76	81.50	56.55	380.7
#1	-.0001	-.0013	-.0010	-.0001	.0002	.0028	.0001	.0001	.0002
#2	-.0004	.0105	-.0007	-.0007	.0001	.0001	.0000	.0000	.0000
#3	.0004	.0066	-.0001	-.0001	.0002	.0035	.0000	.0000	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0006	.0142	.0146	-0.0025	.0001	.0008	.0266	.0000	.0001
Stddev	.0002	.0032	.0148	.0188	.0000	.0002	.0075	.000	.0003
%RSD	35.89	22.36	101.6	740.7	41.03	23.31	28.18	202.8	224.1
#1	-.0004	.0114	.0057	.0030	.0001	.0010	.0191	.0000	.0003
#2	-.0008	.0177	.0317	.0128	.0001	.0008	.0341	.0000	.0004
#3	-.0007	.0137	.0063	-.0235	.0001	.0006	.0267	.0000	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	-0.0001	.0008	.0004	.0001	.0002	-0.0003	.0001	-0.0002
Stddev	.0002	.0014	.0004	.0002	.0001	.0001	.0007	.0001	.0000
%RSD	33.79	1363.	51.48	48.94	100.3	29.18	241.6	57.10	7.954
#1	.0005	.0015	.0012	.0002	.0003	.0003	-.0008	.0001	-.0001
#2	.0010	-.0011	.0008	.0004	.0001	.0002	.0005	.0002	-.0002
#3	.0006	-.0008	.0004	.0006	.0001	.0002	-.0005	.0001	-.0002
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Sample Name: CCV Acquired: 2/29/2016 15:55:27 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2261.8	4557.9	36959.	3347.4
Stddev	5.7	8.3	25.	3.9
%RSD	.25112	.18311	.06656	.11717
#1	2266.3	4563.9	36983.	3344.3
#2	2263.8	4561.3	36960.	3351.9
#3	2255.4	4548.4	36933.	3346.1

Sample Name: CCB Acquired: 2/29/2016 15:59:38 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2704.2	4798.2	38786.	3331.0
Stddev	1.7	15.4	223.	21.3
%RSD	.06151	.32169	.57548	.63803
#1	2702.3	4796.0	38576.	3341.4
#2	2705.2	4814.6	38761.	3306.5
#3	2705.1	4783.9	39021.	3345.0

Sample Name: MP30043-S2 Acquired: 2/29/2016 16:04:11 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Aq3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0423	369.0	1.658	2.106	.0487	46.51	.0403	.4427	.5214
Stddev	.0008	.7	.009	.006	.0002	.08	.0002	.0013	.0016
%RSD	1.962	.1894	.5669	.2795	.4995	.1793	.4812	.2886	.3031
#1	.0432	368.3	1.669	2.100	.0484	46.42	.0405	.4442	.5198
#2	.0416	369.0	1.653	2.108	.0489	46.55	.0403	.4419	.5213
#3	.0422	369.7	1.653	2.111	.0487	46.58	.0401	.4421	.5230
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3222	222.8	24.29	26.22	1.177	.4051	23.52	.4662	.5678
Stddev	.0004	.2	.08	.09	.004	.0014	.05	.0013	.0008
%RSD	.1145	.0759	.3226	.3372	.3438	.3389	.2050	.2895	.1453
#1	.3218	222.7	24.22	26.18	1.175	.4066	23.47	.4677	.5684
#2	.3223	222.8	24.29	26.32	1.176	.4049	23.57	.4652	.5682
#3	.3225	223.0	24.37	26.15	1.182	.4038	23.53	.4656	.5669
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1079	1.641	1.315	.4145	.4772	1.532	1.798	.8384	.6417
Stddev	.0016	.006	.005	.0014	.0010	.002	.003	.0015	.0015
%RSD	1.477	.3680	.3543	.3341	.2058	.1560	.1565	.1775	.2391
#1	.1095	1.647	1.321	.4161	.4761	1.533	1.801	.8373	.6435
#2	.1080	1.635	1.313	.4134	.4776	1.529	1.799	.8378	.6409
#3	.1063	1.639	1.312	.4139	.4780	1.534	1.795	.8401	.6407
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2282.1	5429.1	41738.	3777.9					
Stddev	6.8	22.1	110.	6.5					
%RSD	.29771	.40714	.26301	.17086					
#1	2274.3	5403.9	41828.	3781.8					
#2	2285.1	5438.5	41770.	3781.4					
#3	2286.9	5444.9	41616.	3770.4					

Sample Name: CRIA Acquired: 2/29/2016 16:08:25 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Aq3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0089	.2646	.0099	.2229	.0052	1.065	.0056	.0589	.0108
Stddev	.0004	.0014	.0001	.0012	.0002	.003	.0001	.0002	.0003
%RSD	4.388	.5275	.7912	.5533	3.064	.3148	.9372	.4084	2.345
#1	.0087	.2630	.0099	.2215	.0053	1.064	.0056	.0588	.0106
#2	.0088	.2651	.0098	.2238	.0050	1.063	.0057	.0588	.0108
#3	.0094	.2657	.0100	.2235	.0053	1.069	.0056	.0592	.0111
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0271	.3779	10.50	5.209	.0163	.0554	10.66	.0455	.0053
Stddev	.0003	.0043	.02	.018	.0001	.0002	.05	.0001	.0008
%RSD	1.180	1.146	.2275	.3402	.4862	.3321	.4694	.1165	14.23
#1	.0267	.3799	10.47	5.192	.0164	.0553	10.62	.0455	.0054
#2	.0272	.3809	10.52	5.227	.0162	.0554	10.66	.0455	.0060
#3	.0273	.3730	10.50	5.208	.0164	.0556	10.72	.0454	.0045
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0063	.0114	.0450	.0553	.0102	.0102	.0104	.0487	.0220
Stddev	.0005	.0004	.0002	.0003	.0001	.0001	.0007	.0002	.0001
%RSD	7.206	3.116	4.570	5.286	.5934	.9024	7.150	.4548	.5605
#1	.0059	.0111	.0452	.0550	.0102	.0103	.0097	.0484	.0220
#2	.0068	.0113	.0450	.0556	.0102	.0102	.0112	.0487	.0219
#3	.0062	.0118	.0448	.0554	.0103	.0102	.0103	.0489	.0222
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2573.0	4693.3	38245.	3382.6					
Stddev	10.9	17.0	223.	9.5					
%RSD	.42244	.36233	.58263	.28143					
#1	2585.5	4712.9	38085.	3389.8					
#2	2566.3	4684.6	38499.	3371.8					
#3	2567.2	4682.5	38150.	3386.3					

Sample Name: ICSA Acquired: 2/29/2016 16:12:52 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Aq3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-.0008	F 530.2	-.0010	-.0003	.0000	482.5	-.0014	-.0004
Stddev	.0004	2.2	.0010	.0004	.000	3.6	.0002	.0002
%RSD	48.35	4.219	99.82	155.4	27.56	.7456	11.61	44.36
#1	-.0006	532.5	-.0001	-.0005	-.0001	480.3	-.0012	-.0002
#2	-.0012	530.1	-.0014	-.0002	.0000	486.7	-.0016	-.0006
#3	-.0005	528.0	-.0018	-.0005	-.0001	480.5	-.0015	-.0005
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.0008	.0006	196.6	.0454	F 513.4	-.0004	-.0005	-.1588
Stddev	.0002	.0002	.3	.0253	1.8	.0001	.0003	.0092
%RSD	31.25	36.31	.1329	55.80	.3494	11.86	51.59	5.796
#1	.0007	.0004	196.5	.0311	512.6	-.0005	-.0004	.1482
#2	.0005	.0007	196.4	.0746	512.2	-.0004	-.0003	.1634
#3	.0010	.0008	196.9	.0304	515.5	-.0004	-.0008	.1648
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.0003	F -.0052	.0037	-.0002	.0204	.0014	.0001	-.0002
Stddev	.0000	.0012	.0014	.0057	.0006	.0003	.0001	.0001
%RSD	8.657	22.67	36.93	2868.	3.123	17.43	164.2	85.02
#1	.0003	-.0065	.0036	-.0028	.0206	.0012	.0002	-.0002
#2	.0003	-.0043	.0050	-.0041	.0197	.0017	.0001	.0000
#3	.0004	-.0047	.0023	.0063	.0209	.0015	-.0001	-.0002
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	.0016	.0006	-.0034					
Stddev	.0019	.0002	.0001					
%RSD	114.3	41.20	3.134					
#1	-.0005	.0003	-.0035					
#2	.0024	.0007	-.0033					
#3	.0029	.0008	-.0033					

Sample Name: ICSA Acquired: 2/29/2016 16:12:52 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1991.6	4164.2	33194.	3145.4
Stddev	3.9	7.9	120.	10.8
%RSD	.19503	.19078	.36112	.34486
#1	1988.8	4157.0	33257.	3156.8
#2	1996.0	4172.7	33270.	3144.1
#3	1990.0	4163.0	33056.	3135.2

Sample Name: ICSAB Acquired: 2/29/2016 16:17:30 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F 1.098	F 537.5	1.100	.5967	.5685	485.4	1.042	.5408	.5297
Stddev	.004	5.0	.002	.0022	.0015	2.0	.002	.0011	.0024
%RSD	.3374	.9385	.2098	.3625	.2708	.4194	.1855	.1948	.4564
#1	1.101	542.7	1.100	.5953	.5668	487.7	1.044	.5419	.5283
#2	1.094	532.6	1.102	.5956	.5688	484.1	1.041	.5399	.5282
#3	1.097	537.1	1.097	.5991	.5699	484.4	1.040	.5404	.5324
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.6121	195.8	.0043	F 514.3	.5403	1.025	.1650	1.028	.9948
Stddev	.0013	.2	.0566	.8	.0010	.001	.0012	.003	.0091
%RSD	.2144	.0814	.1317	.1558	.1933	.1264	.7318	.3086	.9110
#1	.6136	195.7	-.0561	514.3	.5410	1.027	.1641	1.031	1.004
#2	.6114	195.7	.0129	513.4	.5391	1.025	.1644	1.027	.9937
#3	.6112	196.0	.0561	515.0	.5408	1.024	.1663	1.025	.9863
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	1.045	1.047	.0780	.9318	1.026	.9945	.9347	4.875	1.025
Stddev	.002	.009	.0009	.0044	.005	.0023	.0067	.0011	.004
%RSD	.1676	.8092	1.138	.4743	.4723	.2272	.7132	.2229	.3935
#1	1.047	1.047	.0781	.9368	1.021	.9966	.9422	4.867	1.029
#2	1.043	1.056	.0788	.9301	1.026	.9921	.9324	4.870	1.025
#3	1.046	1.039	.0770	.9285	1.030	.9948	.9295	4.888	1.021
Int. Std.	ln2306	Y_2243	Y_3600	Y_3710					
Avg	1970.2	4172.1	33019.	3046.2					
Stddev	5.8	3.6	132.	9.5					
%RSD	.29489	.08618	.39850	.31241					
#1	1964.0	4169.9	33011.	3038.9					
#2	1971.1	4170.3	33155.	3057.0					
#3	1975.5	4176.3	32892.	3042.8					

Sample Name: ALSIC Acquired: 2/29/2016 16:22:00 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	F .0080	F -.0002	F -.0039
Stddev	.0014	.0002	.0002
%RSD	16.98	78.92	4.026
#1	.0074	-.0004	-.0040
#2	.0070	-.0001	-.0037
#3	.0095	-.0001	-.0040
Check ?	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	2.000
Range	-10.00%	-10.00%	-10.00%
Int. Std.	ln2306	Y_2243	Y_3600
Units	Cts/S	Cts/S	Cts/S
Avg	2343.2	4845.2	36232.
Stddev	21.9	52.5	88.
%RSD	.93344	1.0830	.24203
#1	2336.6	4821.9	36156.
#2	2367.6	4905.3	36328.
#3	2325.4	4808.4	36211.

Sample Name: ALSIC Acquired: 2/29/2016 16:22:00 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0003	F 531.5	F .0013	F -.0003	F .0001	F .1633	F .0001	F -.0002
Stddev	.0003	8.1	.0014	.0004	.0001	.0068	.0001	.0001
%RSD	119.5	1.532	103.0	148.0	111.8	4.166	123.1	64.06
#1	.0001	535.9	-.0002	-.0007	.0001	.1710	.0002	-.0001
#2	-.0003	522.1	.0018	-.0003	.0001	.1609	.0002	-.0001
#3	-.0005	536.4	.0023	.0002	.0000	.1581	.0000	-.0003
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2500	40.00	2.000	2.000	2.000	40.00	2.000	2.000
Range	-10.00%	10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0005	F .0002	F .0822	F .0138	F .0528	F .0000	F .0000	F .1180
Stddev	.0001	.0001	.0043	.0170	.0177	.000	.002	.0098
%RSD	10.19	91.28	5.239	123.5	33.57	760.9	1334.	8.349
#1	-.0006	.0000	.0872	.0093	.0570	.0000	.0003	.1198
#2	-.0005	.0002	.0791	-.0005	.0681	.0000	-.0001	.1268
#3	-.0005	.0003	.0804	.0326	.0334	.0000	-.0002	.1073
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	40.00	40.00	40.00	2.000	2.000	40.00
Range	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0003	F -.0047	F .0000	F -.0033	.0304	F .0004	F .0001	F .0005
Stddev	.0001	.0035	.0006	.0040	.0005	.0004	.0001	.0001
%RSD	31.51	74.73	282.7	120.7	1.616	87.35	96.33	22.52
#1	-.0003	-.0075	-.0002	.0008	.0307	.0007	.0002	.0005
#2	-.0002	-.0008	.0007	-.0071	.0307	.0000	.0002	.0006
#3	-.0004	-.0059	-.0004	-.0036	.0298	.0006	.0000	.0004
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	2.000	2.000		2.000	2.000	2.000
Range	-10.00%	-10.00%	-10.00%	-10.00%		-10.00%	-10.00%	-10.00%

Sample Name: CASIC Acquired: 2/29/2016 16:26:34 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0006	F .1045	F -.0013	F .0005	F -.0001	F 486.4	F .0001	F .0000
Stddev	.0003	.0079	.0004	.0001	.0000	2.5	.0000	.0000
%RSD	54.26	7.602	31.58	15.33	64.06	.5185	52.66	244.6
#1	-.0006	.1134	-.0009	.0005	-.0001	486.1	.0001	.0000
#2	-.0009	.0981	-.0014	.0005	-.0001	484.0	.0001	.0000
#3	-.0002	.1020	-.0018	.0004	.0000	489.0	.0001	.0000
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2500	40.00	2.000	2.000	2.000	40.00	2.000	2.000
Range	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	10.00%	-10.00%	-10.00%
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0004	F -.0006	F .0282	F .0253	F .0287	F .0002	F -.0001	F .0400
Stddev	.0002	.0001	.0021	.0253	.0056	.0000	.0001	.0122
%RSD	57.57	14.71	7.418	100.0	19.41	12.21	141.2	30.66
#1	-.0003	-.0005	.0299	.0349	.0322	.0002	-.0001	.0470
#2	-.0002	-.0007	.0259	.0444	.0223	.0002	-.0002	.0258
#3	-.0006	-.0006	.0288	-.0034	.0316	.0002	.0000	.0470
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	40.00	40.00	40.00	2.000	2.000	40.00
Range	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0002	F -.0004	F -.0016	F -.0024	.0089	F .0000	F -.0007	F -.0004
Stddev	.0002	.0010	.0012	.0014	.0002	.0003	.0001	.0001
%RSD	60.56	218.4	74.51	61.08	2.852	205.3	8.377	32.22
#1	.0001	.0007	-.0030	-.0007	.0067	.0003	-.0006	-.0006
#2	.0003	-.0009	-.0006	-.0031	.0069	.0000	-.0007	-.0004
#3	.0004	-.0011	-.0013	-.0032	.0070	-.0003	-.0008	-.0003
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	2.000	2.000		2.000	2.000	2.000
Range	-10.00%	-10.00%	-10.00%	-10.00%		-10.00%	-10.00%	-10.00%

Sample Name: CASIC Acquired: 2/29/2016 16:26:34 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	F .0018	F -.0002	F -.0014
Stddev	.0015	.0001	.0001
%RSD	86.30	52.87	4.410
#1	.0031	-.0003	-.0013
#2	.0021	-.0001	-.0014
#3	.0001	-.0003	-.0014
Check ?	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	2.000
Range	-10.00%	-10.00%	-10.00%

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2239.4	4390.4	35787.	3263.9
Stddev	5.7	10.7	119.	17.7
%RSD	.25483	.24271	.33202	.54314
#1	2244.0	4382.6	35660.	3278.8
#2	2241.3	4402.6	35895.	3268.6
#3	2233.1	4386.1	35807.	3244.3

Sample Name: FESIC Acquired: 2/29/2016 16:31:15 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0017	F .0007	F -.0025	F -.0012	F -.0001	F .1217	F -.0013	F -.0005
Stddev	.0004	.0026	.0009	.0006	.0001	.0080	.0002	.0001
%RSD	25.40	361.8	35.59	48.18	62.62	6.604	19.57	11.09
#1	-.0020	.0034	-.0017	-.0008	-.0001	.1215	-.0015	-.0006
#2	-.0020	.0004	-.0022	-.0018	.0000	.1299	-.0013	-.0005
#3	-.0012	-.0017	-.0034	-.0009	-.0002	.1138	-.0010	-.0005
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2.000	40.00	2.000	2.000	2.000	40.00	2.000	2.000
Range	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0021	F .0027	F 203.2	F -.0500	F -.0479	F -.0006	F -.0014	F .0377
Stddev	.0001	.0002	1.6	.0257	.0135	.0001	.0001	.0138
%RSD	6.757	7.594	.7970	51.50	28.23	12.43	3.501	36.66
#1	.0021	.0028	204.8	-.0298	-.0383	-.0006	-.0015	.0229
#2	.0019	.0029	203.3	-.0412	-.0634	-.0005	-.0014	.0398
#3	.0022	.0025	201.6	-.0789	-.0421	-.0006	-.0015	.0503
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	40.00	40.00	40.00	2.000	2.000	40.00
Range	-10.00%	-10.00%	10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0000	F -.0041	F .0036	F .0003	.0395	F .0012	F -.0002	F -.0007
Stddev	.0002	.0005	.0008	.0004	.0002	.0003	.0000	.0001
%RSD	10510.	12.12	22.99	123.7	.4823	22.66	20.96	11.13
#1	-.0003	-.0036	.0045	-.0001	.0397	.0013	-.0002	-.0006
#2	.0001	-.0041	.0036	.0007	.0395	.0014	-.0002	-.0008
#3	.0002	-.0046	.0028	.0005	.0393	.0009	-.0001	-.0007
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	2.000	2.000	None	2.000	2.000	2.000
Range	-10.00%	-10.00%	-10.00%	-10.00%	None	-10.00%	-10.00%	-10.00%

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Sample Name: FESIC Acquired: 2/29/2016 16:31:15 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	F -.0094	F .0016	F .0030
Stddev	.0008	.0003	.0001
%RSD	8.818	17.66	1.921
#1	-.0101	.0014	.0030
#2	-.0095	.0014	.0030
#3	-.0085	.0019	.0029
Check ?	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	2.000
Range	-10.00%	-10.00%	-10.00%

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2609.2	4611.2	37518.	3260.0
Stddev	7.2	11.6	199.	24.4
%RSD	.27615	.25144	.53022	.74772
#1	2600.9	4598.4	37745.	3232.0
#2	2613.8	4614.3	37376.	3271.3
#3	2612.8	4621.0	37432.	3276.6

Sample Name: MGSIC Acquired: 2/29/2016 16:35:46 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0006	F .0154	F -.0009	F -.0004	F -.0001	F .0832	F .0000	F .0001
Stddev	.0002	.0087	.0003	.0001	.0000	.0036	.0000	.0001
%RSD	38.67	56.59	37.42	31.39	84.77	4.300	146.4	73.02
#1	.0008	.0088	-.0013	-.0006	.0000	.0795	.0000	.0001
#2	.0004	.0121	-.0006	-.0005	-.0001	.0835	.0001	.0002
#3	.0007	.0253	-.0009	-.0003	.0000	.0867	.0000	.0001
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2.000	40.00	2.000	2.000	2.000	40.00	2.000	2.000
Range	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0002	F -.0009	F .0411	F -.0095	F 515.5	F .0003	F -.0008	F .0525
Stddev	.0001	.0002	.0045	.0281	3.0	.0000	.0001	.0030
%RSD	44.37	22.44	10.85	295.8	.5766	16.11	11.60	5.753
#1	-.0001	-.0008	.0431	.0099	512.2	.0002	-.0008	.0530
#2	-.0002	-.0012	.0441	-.0417	518.0	.0002	-.0009	.0552
#3	-.0003	-.0009	.0360	.0033	516.3	.0003	-.0007	.0492
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	40.00	40.00	40.00	2.000	2.000	40.00
Range	-10.00%	-10.00%	-10.00%	-10.00%	10.00%	-10.00%	-10.00%	-10.00%

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0002	F .0008	F .0009	F -.0001	.0005	F .0003	F .0000	F -.0003
Stddev	.0001	.0008	.0002	.0006	.0001	.0002	.0000	.0000
%RSD	87.33	103.5	17.49	465.2	13.05	78.33	3743.	5.865
#1	.0003	-.0001	.0010	-.0008	.0005	.0001	.0000	-.0003
#2	.0001	.0011	.0009	.0003	.0005	.0005	.0000	-.0003
#3	.0001	.0014	.0007	.0001	.0006	.0003	.0001	-.0003
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	2.000	2.000	None	2.000	2.000	2.000
Range	-10.00%	-10.00%	-10.00%	-10.00%	None	-10.00%	-10.00%	-10.00%

Sample Name: MGSIC Acquired: 2/29/2016 16:35:46 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	F -.0001	F -.0007	F .0030
Stddev	.0005	.0001	.0001
%RSD	510.1	12.32	3.097
#1	-0.007	-0.009	.0031
#2	.0003	-0.007	.0029
#3	.0001	-0.007	.0030
Check ?	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	2.000
Range	-10.00%	-10.00%	-10.00%

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2263.0	4429.6	3585.1	3274.0
Stddev	4.9	13.1	81.	35.4
%RSD	.21841	.29510	.22492	1.0804
#1	2262.6	4444.7	3591.0	3311.3
#2	2258.3	4422.3	35884.	3240.9
#3	2268.1	4421.7	35759.	3270.0

Sample Name: CCV Acquired: 2/29/2016 16:40:17 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2555	42.61	2.075	2.159	2.073	40.40	2.129	2.183	2.043
Stddev	.0008	.08	.006	.008	.004	.03	.004	.006	.010
%RSD	.3007	.1901	.2831	.3845	.1826	.0686	.1692	.2911	.4968
#1	.2561	42.69	2.068	2.168	2.077	40.38	2.125	2.176	2.037
#2	.2557	42.53	2.078	2.151	2.072	40.40	2.132	2.188	2.038
#3	.2547	42.62	2.079	2.158	2.070	40.43	2.130	2.186	2.055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.084	42.12	40.93	40.14	2.012	2.165	41.12	2.102	1.980
Stddev	.009	.06	.11	.15	.010	.009	.11	.003	.002
%RSD	.4289	.1509	.2667	.3803	.4783	.4336	.2751	.1173	.0968
#1	2.091	42.17	40.82	39.96	2.005	2.154	41.21	2.099	1.981
#2	2.088	42.15	40.92	40.20	2.008	2.170	40.99	2.104	1.981
#3	2.074	42.05	41.04	40.25	2.023	2.171	41.16	2.101	1.978
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.091	2.139	1.753	2.037	2.026	2.000	1.996	1.955	2.050
Stddev	.007	.003	.007	.001	.006	.004	.004	.004	.001
%RSD	.3489	.1432	.4037	.0398	.2808	.1893	.1967	.2180	.0590
#1	2.083	2.136	1.745	2.037	2.025	1.997	1.993	1.953	2.051
#2	2.098	2.138	1.759	2.036	2.021	1.999	1.996	1.953	2.049
#3	2.093	2.142	1.754	2.037	2.032	2.005	2.000	1.960	2.049
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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Sample Name: CCV Acquired: 2/29/2016 16:40:17 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2285.3	4582.7	37188.	3289.6
Stddev	4.3	18.4	146.	15.8
%RSD	.18989	.40132	.39222	.48097
#1	2286.4	4600.6	37263.	3304.1
#2	2289.1	4583.7	37280.	3292.0
#3	2280.6	4563.9	37019.	3272.7

Sample Name: CCB Acquired: 2/29/2016 16:44:29 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0017	-0.005	-0.003	.0002	.0055	.0000	.0001	.0001
Stddev	.0002	.0024	.0001	.0002	.0001	.0039	.0001	.0001	.0002
%RSD	95.25	144.9	15.65	53.84	28.36	71.39	214.1	62.62	165.0
#1	-0.002	.0045	-0.006	-0.003	.0002	.0048	.0001	.0002	.0003
#2	-0.003	.0002	-0.006	-0.004	.0003	.0096	.0000	.0000	.0001
#3	.0000	.0003	-0.005	-0.001	.0002	.0019	.0000	.0002	-0.001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.008	.0116	-0.0203	.0231	.0001	.0010	.0343	.0001	-0.002
Stddev	.0004	.0023	.0422	.0168	.0000	.0004	.0075	.0003	.0003
%RSD	45.96	19.68	207.5	72.51	75.11	42.10	22.02	469.7	123.0
#1	-0.012	.0138	.0274	.0412	.0001	.0014	.0411	.0003	-0.001
#2	-0.005	.0119	-0.0359	.0202	.0001	.0009	.0355	.0000	-0.005
#3	-0.007	.0092	-0.0525	.0080	.0000	.0006	.0262	-0.002	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.001	.0001	.0003	.0001	.0001	-0.009	.0001	-0.002
Stddev	.0012	.0018	.0005	.0001	.0000	.0001	.0008	.0001	.0000
%RSD	191.0	171.3	678.5	32.51	17.86	77.27	81.29	111.8	20.11
#1	-0.013	.0019	-0.005	.0004	.0001	.0002	-0.001	.0001	-0.002
#2	.0010	-0.016	.0005	.0002	.0001	.0001	-0.017	.0003	-0.002
#3	.0001	-0.006	.0002	.0002	.0002	.0000	-0.010	.0000	-0.001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Sample Name: CCB Acquired: 2/29/2016 16:44:29 Type: QC
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2721.5	4791.6	38714.	3279.0
Stddev	3.6	5.9	287.	22.4
%RSD	.13100	.12297	.74110	.68264
#1	2721.5	4785.0	38425.	3253.4
#2	2718.0	4793.1	38719.	3288.8
#3	2725.1	4796.5	38999.	3294.8

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000010	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000078	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000003	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000100	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000001	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000015	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000127	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000003	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000041	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000187	0.000000	No
			Fe	0.000044	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000019	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	-0.000058	0.000000	No
			Ca	0.000002	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000029	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	0.000049	0.000000	No
			Al	-0.000020	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000006	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.000163	0.611410	0.000000	1.000000
Al 396.152 { 85}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.000739	0.216220	0.000000	1.000000
As 189.042 {478}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.000628	0.202305	0.000000	1.000000
Ba 455.403 { 74}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.006091	8.635491	0.000000	1.000000
Be 313.042 {108}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.000486	12.236808	0.000000	1.000000
Ca 317.933 {106}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.003092	0.277165	0.000000	1.000000
Cd 226.502 {449}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.001176	5.035032	0.000000	1.000000
Co 228.616 {447}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.000708	2.681318	0.000000	1.000000
Cr 267.716 {126}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.000141	0.576483	0.000000	1.000000
Cu 324.754 {104}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.007161	0.923758	0.000000	1.000000
Fe 259.940 {130}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.002030	0.185435	0.000000	1.000000
In 230.606 {446}*	2/29/2016 10:58:12	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.003185	0.111070	0.000000	1.000000
Mg 279.079 {121}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.000384	0.027894	0.000000	1.000000
Mn 257.610 {131}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.000885	3.246764	0.000000	1.000000
Mo 202.030 {467}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.001386	1.169087	0.000000	1.000000
Na 589.592 { 57}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.017810	0.436573	0.000000	1.000000
Ni 231.604 {445}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.000165	1.679235	0.000000	1.000000
Pb 220.353 {453}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.000338	0.920125	0.000000	1.000000
Sb 206.833 {463}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.000649	0.281114	0.000000	1.000000
Se 196.090 {472}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.000683	0.142401	0.000000	1.000000
Si 212.412 {459}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.007650	0.477119	0.000000	1.000000
Sn 189.989 {477}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.000245	0.419534	0.000000	1.000000
Sr 407.771 { 83}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.002307	17.162483	0.000000	1.000000
Ti 334.941 {101}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.002487	2.262276	0.000000	1.000000
Tl 190.856 {477}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.001135	0.319630	0.000000	1.000000
V 292.402 {115}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.000779	0.809325	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.001483	2.715607	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999954	0.000056	0.000365	0.001217	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999738	0.007996	0.009129	0.030432	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999936	0.000184	0.000744	0.002479	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999947	0.007132	0.000289	0.000962	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999913	0.013005	0.000066	0.000221	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999818	0.008523	0.003352	0.011172	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999897	0.005844	0.000047	0.000156	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999924	0.002662	0.000098	0.000327	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999738	0.001063	0.000245	0.000815	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999981	0.000459	0.000226	0.000755	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999075	0.012858	0.002612	0.008706	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999676	0.004558	0.031351	0.104505	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999800	0.000900	0.022136	0.073786	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999394	0.009109	0.000039	0.000129	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999985	0.000518	0.000131	0.000438	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999702	0.017163	0.008287	0.027623	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999902	0.001895	0.000159	0.000530	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999876	0.001170	0.000543	0.001811	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999978	0.000148	0.000866	0.002887	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999969	0.000090	0.001565	0.005216	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.991248	0.005118	0.000351	0.001169	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999884	0.000515	0.000304	0.001013	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999954	0.013235	0.000092	0.000306	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999682	0.004595	0.000095	0.000316	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999973	0.000189	0.000898	0.002992	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999943	0.000686	0.000222	0.000740	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999850	0.003789	0.000065	0.000218	OK	1.000000	0.000000	1	0

Sample Name: Blank Acquired: 4/5/2016 9:13:44 Type: Cal
Method: 60102007_042011(v44) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	.0004	-0.0007	.0026	.0003	.0023	-0.011	-0.0005	.0000
Stddev	.0002	.0014	.0002	.0028	.0004	.0009	.0003	.0002	.000
%RSD	264.8	389.4	28.27	108.0	114.8	39.17	24.56	32.93	94.99
#1	.0003	.0018	-0.0006	.0047	.0002	.0033	-0.014	-0.0007	.0000
#2	-0.0002	-0.0010	-0.0009	.0035	.0008	.0018	-0.0009	-0.0005	-0.0001
#3	.0001	.0003	-0.0005	-0.0006	.0000	.0017	-0.0009	-0.0004	.0000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0058	.0022	.0016	-0.0005	.0006	.0021	-0.0115	-0.0001	.0000
Stddev	.0002	.0002	.0041	.0002	.0001	.0002	.0008	.0002	.000
%RSD	3.129	10.33	246.4	44.15	12.94	9.065	6.625	442.5	2832.
#1	.0058	.0024	.0004	-0.0003	.0005	.0023	-0.0123	-0.0003	.0002
#2	.0060	.0022	.0062	-0.0008	.0006	.0020	-0.0108	-0.0002	-0.0003
#3	.0056	.0020	-0.0016	-0.0005	.0006	.0020	-0.0114	-0.0001	.0001
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0008	-0.0007	.0040	-0.0006	-0.0007	.0034	-0.0019	-0.0008	.0017
Stddev	.0004	.0001	.0001	.0001	.0004	.0002	.0002	.0000	.0001
%RSD	51.73	17.04	2.285	18.79	49.20	6.553	10.36	4.626	6.091
#1	.0011	-0.0006	.0041	.0007	-0.0005	.0036	-0.0020	-0.0008	.0016
#2	.0003	-0.0007	.0040	.0006	-0.0006	.0033	-0.0017	-0.0007	.0018
#3	.0009	-0.0008	.0039	.0005	-0.0012	.0032	-0.0019	-0.0008	.0016
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2716.2	5246.8	4167.4	4326.5					
Stddev	6.2	11.0	144.	35.8					
%RSD	.22642	.21032	.34622	.82855					
#1	2723.1	5255.8	41722.	4285.5					
#2	2711.2	5234.5	41789.	4351.9					
#3	2714.3	5250.2	41512.	4342.0					

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Sample Name: LowStd Acquired: 4/5/2016 9:17:58 Type: Cal
Method: 60102007_042011(v44) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0341	2.253	.0928	4.210	5.372	2.730	2.632	1.368	.2917
Stddev	.0004	.004	.0003	.005	.024	.019	.005	.002	.0006
%RSD	1.273	.1908	.3100	.1091	.4426	.6979	.2035	.1542	.2166
#1	.0340	2.254	.0929	4.205	5.382	2.746	2.630	1.369	.2920
#2	.0346	2.249	.0926	4.213	5.345	2.709	2.627	1.366	.2922
#3	.0338	2.257	.0931	4.212	5.389	2.736	2.638	1.370	.2910
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4369	1.845	1.045	.2687	1.629	.5595	4.220	.8637	.4429
Stddev	.0006	.008	.006	.0034	.002	.0011	.011	.0015	.0004
%RSD	.1328	.4135	.5789	1.251	.0998	.2050	.2689	.1792	.0796
#1	.4375	1.848	1.048	.2714	1.631	.5601	4.228	.8644	.4431
#2	.4369	1.837	1.038	.2649	1.627	.5582	4.207	.8619	.4424
#3	.4364	1.851	1.048	.2697	1.630	.5603	4.225	.8646	.4430
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1276	.0641	.2067	.2047	8.447	1.107	.1492	.3838	1.386
Stddev	.0003	.0003	.0006	.0003	.020	.002	.0009	.0003	.003
%RSD	.2083	.4677	.2840	.1407	.2356	.1385	.5878	.0830	.2105
#1	.1274	.0638	.2072	.2045	8.437	1.106	.1498	.3840	1.385
#2	.1274	.0644	.2060	.2045	8.434	1.107	.1496	.3835	1.383
#3	.1279	.0642	.2068	.2050	8.470	1.109	.1482	.3841	1.389
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2592.3	5180.2	41223.	4320.4					
Stddev	1.0	9.2	113.	54.0					
%RSD	.03677	.17671	.27397	1.2506					
#1	2592.3	5177.3	41103.	4258.8					
#2	2591.3	5190.4	41239.	4359.5					
#3	2593.3	5172.8	41327.	4343.0					

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Sample Name: MidStd Acquired: 4/5/2016 9:21:39 Type: Cal
Method: 60102007_042011(v44) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1442	8.658	3.900	17.53	21.99	10.40	10.66	5.541	1.172
Stddev	.0005	.016	.0009	.06	.07	.03	.03	.012	.001
%RSD	.3391	.1886	.2313	.3326	.3321	.2539	.2584	.2204	.0412
#1	.1448	8.676	3.901	17.60	22.07	10.42	10.69	5.552	1.172
#2	.1441	8.645	3.890	17.50	21.92	10.37	10.63	5.528	1.172
#3	.1438	8.652	3.908	17.50	21.98	10.41	10.66	5.544	1.172
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.766	6.651	4.025	1.026	6.432	2.269	16.27	3.483	1.864
Stddev	.006	.014	.010	.004	.017	.003	.01	.011	.002
%RSD	.3223	.2155	.2449	.4365	.2561	.1460	.0629	.3277	.1048
#1	1.772	6.667	4.036	1.031	6.437	2.272	16.28	3.492	1.866
#2	1.765	6.639	4.022	1.022	6.413	2.266	16.27	3.470	1.863
#3	1.761	6.646	4.017	1.024	6.445	2.270	16.27	3.487	1.863
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.5305	.2685	.9811	.8198	34.35	4.488	6.228	1.553	5.596
Stddev	.0008	.0013	.0005	.0018	.10	.011	.0016	.004	.020
%RSD	.1448	.4954	.0521	.2181	.2802	.2348	.2616	.2852	.3635
#1	.5307	.2700	.9814	.8216	34.46	4.493	6.223	1.554	5.611
#2	.5296	.2679	.9805	.8181	34.29	4.496	6.246	1.557	5.573
#3	.5311	.2675	.9813	.8198	34.29	4.476	6.215	1.548	5.604
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2382.4	5002.4	40180.	4295.6					
Stddev	6.3	9.5	52.	8.4					
%RSD	.26455	.18978	.12979	.19581					
#1	2378.0	4991.6	40240.	4304.8					
#2	2379.7	5009.4	40145.	4288.2					
#3	2389.7	5006.2	40155.	4294.0					

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Sample Name: HighStd Acquired: 4/5/2016 9:25:58 Type: Cal
Method: 60102007_042011(v44) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2764	16.96	.7747	34.29	43.12	20.31	20.75	10.83	2.264
Stddev	.0009	.02	.0003	.05	.01	.03	.02	.01	.007
%RSD	.3247	.1099	.0449	.1512	.0200	.1441	.0762	.0560	.3283
#1	.2763	16.95	.7748	34.24	43.13	20.29	20.74	10.82	2.270
#2	.2774	16.98	.7743	34.29	43.11	20.35	20.74	10.82	2.256
#3	.2756	16.95	.7749	34.34	43.12	20.30	20.77	10.83	2.266
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.451	13.22	7.872	2.008	12.49	4.433	31.90	6.801	3.741
Stddev	.004	.01	.017	.010	.04	.005	.05	.005	.001
%RSD	.1154	.0782	.2203	.5185	.2813	.1042	.1654	.0808	.0227
#1	3.456	13.22	7.870	2.004	12.44	4.430	31.84	6.801	3.741
#2	3.450	13.23	7.857	2.020	12.51	4.431	31.94	6.796	3.742
#3	3.448	13.21	7.891	2.000	12.50	4.438	31.92	6.807	3.740
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.054	.5289	1.593	1.591	66.21	8.691	1.236	3.032	10.95
Stddev	.001	.0014	.002	.002	.43	.041	.002	.011	.01

Sample Name: HSTD Acquired: 4/5/2016 9:30:39 Type: QC
 Method: 60102007_042011(v44) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4958	79.20	4.010	3.964	3.998	79.07	3.965	3.971	3.962
Stddev	.0041	.20	.011	.009	.014	.21	.008	.008	.024
%RSD	.8240	.2550	.2697	.2371	.3536	.2714	.1952	.2016	.6042

#1	.5005	79.35	4.018	3.971	4.008	79.17	3.964	3.972	3.990
#2	.4941	79.27	4.014	3.968	4.004	79.22	3.973	3.979	3.951
#3	.4929	78.97	3.998	3.954	3.981	78.83	3.957	3.963	3.946

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.971	79.18	79.41	78.74	3.933	3.976	79.51	3.973	4.037
Stddev	.009	.15	.17	.03	.034	.008	.24	.008	.008
%RSD	.2198	.1927	.2191	.0391	.8558	.2075	.3029	.1970	.2045

#1	3.979	79.27	79.50	78.77	3.970	3.981	79.69	3.973	4.045
#2	3.962	79.25	79.52	78.73	3.927	3.981	79.60	3.980	4.038
#3	3.973	79.00	79.21	78.71	3.904	3.967	79.23	3.965	4.028

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.029	3.985	3.741	3.944	3.975	3.953	4.015	3.989	3.959
Stddev	.015	.007	.009	.010	.039	.023	.010	.014	.008
%RSD	.3698	.1711	.2364	.2530	.9844	.5906	.2570	.3618	.1945

#1	4.042	3.989	3.744	3.941	3.953	3.944	4.027	4.004	3.961
#2	4.032	3.987	3.749	3.955	4.020	3.979	4.010	3.976	3.966
#3	4.013	3.977	3.732	3.936	3.951	3.935	4.009	3.988	3.951

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 4/5/2016 9:30:39 Type: QC
 Method: 60102007_042011(v44) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2212.5	4798.6	38968.	4135.9
Stddev	.2	7.3	139.	14.8
%RSD	.01007	.15255	.35759	.35715

#1	2212.6	4804.8	38829.	4148.6
#2	2212.2	4790.5	39108.	4139.5
#3	2212.6	4800.6	38968.	4119.7

Sample Name: ICV Acquired: 4/5/2016 9:38:43 Type: QC
 Method: 60102007_042011(v44) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2441	41.39	1.986	2.047	2.059	42.75	2.030	2.033	2.020
Stddev	.0005	.18	.002	.007	.010	.27	.001	.001	.004
%RSD	.1900	.4403	.1172	.3491	.4891	.6310	.0634	.0601	.2007

#1	.2436	41.58	1.987	2.055	2.070	43.06	2.029	2.033	2.024
#2	.2441	41.22	1.984	2.042	2.050	42.54	2.029	2.031	2.016
#3	.2445	41.37	1.988	2.045	2.057	42.66	2.031	2.034	2.020

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.961	42.10	42.49	42.59	2.052	1.940	42.82	2.043	2.010
Stddev	.003	.25	.22	.44	.005	.002	.23	.001	.006
%RSD	.1489	.5883	.5123	1.044	.2371	.1224	.5433	.0532	.2816

#1	1.981	42.38	42.73	43.08	2.051	1.940	43.08	2.044	2.013
#2	1.978	41.89	42.30	42.22	2.047	1.938	42.64	2.042	2.013
#3	1.984	42.04	42.45	42.47	2.057	1.942	42.73	2.043	2.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.004	2.027	1.327	2.060	1.965	1.973	2.069	1.927	2.051
Stddev	.004	.006	.0013	.002	.006	.001	.005	.005	.002
%RSD	.1878	.3168	.9898	.0877	.3096	.0710	.2624	.2522	.0949

#1	2.002	2.024	.1334	2.058	1.972	1.974	2.063	1.933	2.053
#2	2.002	2.023	.1312	2.060	1.959	1.973	2.070	1.923	2.050
#3	2.008	2.035	.1335	2.062	1.965	1.971	2.073	1.926	2.050

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 4/5/2016 9:38:43 Type: QC
 Method: 60102007_042011(v44) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2367.7	4967.1	39874.	4185.8
Stddev	3.0	9.3	46.	36.6
%RSD	.12491	.18634	.11491	.87388

#1	2371.0	4971.2	39905.	4147.7
#2	2365.5	4973.6	39896.	4220.7
#3	2366.4	4956.5	39822.	4189.0

Sample Name: ICB Acquired: 4/5/2016 9:46:03 Type: QC
 Method: 60102007_042011(v44) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	-0.0056	.0002	-0.001	.0000	-0.0032	.0000	.0000	-0.002
Stddev	.0003	.0121	.0008	.0001	.000	.0013	.000	.0001	.0002
%RSD	88.69	215.0	499.0	184.0	90.32	41.27	862.8	421.1	87.85
#1	-0.003	-0.194	-0.001	.0000	.0000	-0.042	.0001	-0.001	-0.005
#2	-0.001	.0036	.0011	-0.002	.0000	-0.035	.0000	.0001	-0.002
#3	-0.008	-0.011	-0.005	.0000	.0000	-0.017	-0.001	.0000	-0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0054	-0.717	.0106	.0000	-0.006	-0.046	.0000	.0000
Stddev	.0001	.0041	.0338	.0099	.0000	.0001	.0035	.000	.0007
%RSD	165.7	76.49	47.11	93.68	506.3	8.111	74.73	517.5	8264.
#1	-0.001	-0.097	-0.341	.0077	.0000	-0.007	-0.010	.0001	.0005
#2	.0001	-0.015	-0.995	.0024	.0000	-0.006	-0.050	.0000	-0.008
#3	.001	-0.050	-0.814	.0216	.0000	-0.006	-0.079	-0.002	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.012	.0009	-0.003	.0001	-0.004	.0004	.0000	-0.002
Stddev	.0006	.0004	.0005	.0002	.0000	.0001	.0011	.0002	.0000
%RSD	714.1	32.35	48.98	53.39	46.20	13.43	308.3	577.4	21.43
#1	-0.005	-0.017	.0014	-0.001	.0001	-0.004	-0.003	.0002	-0.002
#2	.0001	-0.011	.0005	-0.004	.0001	-0.005	-0.003	-0.001	-0.001
#3	.0007	-0.009	.0009	-0.004	.0000	-0.005	.0017	.0000	-0.002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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Sample Name: ICB Acquired: 4/5/2016 9:46:03 Type: QC
 Method: 60102007_042011(v44) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2744.0	5257.6	41746.	4209.4
Stddev	2.5	4.2	109.	42.7
%RSD	.08965	.07961	.26219	1.0138
#1	2741.2	5262.0	41864.	4222.4
#2	2745.5	5253.7	41647.	4244.0
#3	2745.4	5257.0	41726.	4161.7

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0054	-0.717	.0106	.0000	-0.006	-0.046	.0000	.0000
Stddev	.0001	.0041	.0338	.0099	.0000	.0001	.0035	.000	.0007
%RSD	165.7	76.49	47.11	93.68	506.3	8.111	74.73	517.5	8264.
#1	-0.001	-0.097	-0.341	.0077	.0000	-0.007	-0.010	.0001	.0005
#2	.0001	-0.015	-0.995	.0024	.0000	-0.006	-0.050	.0000	-0.008
#3	.001	-0.050	-0.814	.0216	.0000	-0.006	-0.079	-0.002	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.012	.0009	-0.003	.0001	-0.004	.0004	.0000	-0.002
Stddev	.0006	.0004	.0005	.0002	.0000	.0001	.0011	.0002	.0000
%RSD	714.1	32.35	48.98	53.39	46.20	13.43	308.3	577.4	21.43
#1	-0.005	-0.017	.0014	-0.001	.0001	-0.004	-0.003	.0002	-0.002
#2	.0001	-0.011	.0005	-0.004	.0001	-0.005	-0.003	-0.001	-0.001
#3	.0007	-0.009	.0009	-0.004	.0000	-0.005	.0017	.0000	-0.002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Raw Data MA13075 page 10 of 125

Sample Name: CRIA Acquired: 4/5/2016 9:50:34 Type: QC
 Method: 60102007_042011(v44) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0097	.2248	.0108	.2075	.0054	1.134	.0056	.0554	.0112
Stddev	.0010	.0042	.0004	.0006	.0000	.011	.0001	.0001	.0002
%RSD	9.907	1.887	3.965	.2755	.3635	1.002	.9892	.1075	1.754
#1	.0089	.2224	.0105	.2068	.0054	1.137	.0057	.0555	.0113
#2	.0095	.2223	.0113	.2078	.0054	1.144	.0056	.0553	.0113
#3	.0108	.2297	.0108	.2078	.0054	1.122	.0056	.0554	.0110

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0271	.3229	10.88	5.446	.0177	.0507	10.84	.0455	.0051
Stddev	.0003	.0037	.05	.076	.0001	.0003	.02	.0002	.0005
%RSD	1.132	1.151	.4816	1.405	.7844	.6714	.1835	.4942	9.759
#1	.0274	.3207	10.84	5.494	.0178	.0503	10.87	.0457	.0047
#2	.0268	.3272	10.94	5.485	.0176	.0509	10.83	.0452	.0049
#3	.0272	.3208	10.86	5.357	.0176	.0508	10.83	.0455	.0056

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0047	.0097	.0329	.0545	.0110	.0101	.0113	.0530	F .0250
Stddev	.0005	.0011	.0006	.0002	.0001	.0001	.0006	.0002	.0001
%RSD	10.74	11.12	1.810	.3944	.7616	1.063	5.463	.3069	.3976
#1	.0047	.0085	.0322	.0547	.0110	.0101	.0117	.0532	.0251
#2	.0042	.0103	.0331	.0546	.0109	.0101	.0116	.0529	.0249
#3	.0052	.0103	.0334	.0543	.0110	.0099	.0106	.0530	.0250

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail
 Value Range .0200 20.00%

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Sample Name: CRIA Acquired: 4/5/2016 9:50:34 Type: QC
 Method: 60102007_042011(v44) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2661.9	5199.3	40933.	4169.0
Stddev	5.5	10.2	228.	53.8
%RSD	.20479	.19645	.55754	1.2915
#1	2657.8	5203.7	40671.	4152.3
#2	2668.1	5206.6	41086.	4125.4
#3	2659.7	5187.6	41043.	4229.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0271	.3229	10.88	5.446	.0177	.0507	10.84	.0455	.0051
Stddev	.0003	.0037	.05	.076	.0001	.0003	.02	.0002	.0005
%RSD	1.132	1.151	.4816	1.405	.7844	.6714	.1835	.4942	9.759
#1	.0274	.3207	10.84	5.494	.0178	.0503	10.87	.0457	.0047
#2	.0268	.3272	10.94	5.485	.0176	.0509	10.83	.0452	.0049
#3	.0272	.3208	10.86	5.357	.0176	.0508	10.83	.0455	.0056

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0047	.0097	.0329	.0545	.0110	.0101	.0113	.0530	F .0250
Stddev	.0005	.0011	.0006	.0002	.0001	.0001	.0006	.0002	.0001
%RSD	10.74	11.12	1.810	.3944	.7616	1.063	5.463	.3069	.3976
#1	.0047	.0085	.0322	.0547	.0110	.0101	.0117	.0532	.0251
#2	.0042	.0103	.0331	.0546	.0109	.0101	.0116	.0529	.0249
#3	.0052	.0103	.0334	.0543	.0110	.0099	.0106	.0530	.0250

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail
 Value Range .0200 20.00%

Raw Data MA13075 page 12 of 125

Sample Name: ICESA Acquired: 4/5/2016 9:57:00 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	503.6	-0.015	-0.003	-0.001	486.4	0.000	-0.004	0.001
Stddev	.0005	3.5	.0023	.0003	.0001	2.0	.0001	.0001	.0001
%RSD	142.9	.6910	158.4	80.38	39.62	.4073	3554.	14.70	185.3

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.013	184.1	-0.149	513.9	0.000	0.002	1458	-0.003	0.001
Stddev	.0003	.3	.0292	1.3	.000	.0004	.0045	.0003	.0021
%RSD	23.54	.1433	195.4	.2481	23.26	173.7	3.054	80.81	1592.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.000	-0.001	0.716	0.007	0.003	-0.010	0.000	-0.001	-0.030
Stddev	.002	.0050	.0017	.0001	.0001	.0001	.003	.0004	.0003
%RSD	3318.	9688.	2.431	10.93	30.35	7.905	19710.	450.6	11.53

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICESA Acquired: 4/5/2016 9:57:00 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2166.7	4645.5	35926.	3960.8
Stddev	2.6	6.8	105.	6.0
%RSD	.12003	.14680	.29098	.15187

#1 2165.7 4646.6 35995. 3957.2
 #2 2164.7 4638.2 35977. 3957.3
 #3 2169.6 4651.7 35805. 3967.7

Sample Name: ICSAB Acquired: 4/5/2016 10:03:29 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.008	496.5	1.093	4981	4954	480.8	9532	4700	5039
Stddev	.004	11.7	.004	.0009	.0019	2.9	.0016	.0009	.0025
%RSD	.4281	2.347	.3197	.1892	.3817	6.039	.1670	.1940	.5004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5289	181.4	0.107	508.1	5092	9410	1526	9542	9428
Stddev	.0008	.3	.0273	2.5	.0029	.0023	.0056	.0012	.0011
%RSD	.1574	.1566	254.8	.4873	.5701	.2440	3.638	.1222	.1158

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.029	1.018	1.185	9421	1.025	1.018	9554	4735	9644
Stddev	.002	.002	.0008	.0025	.001	.002	.0039	.0019	.0008
%RSD	.2130	.1872	.6403	.2663	.0951	.1726	.4115	.4035	.0854

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 4/5/2016 10:03:29 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2134.8	4606.3	36231.	4004.6
Stddev	4.8	1.3	209.	7.4
%RSD	.22329	.02844	.57698	.18367

#1 2135.2 4607.8 36423. 3998.3
 #2 2139.4 4605.5 36008. 4012.7
 #3 2129.9 4605.6 36260. 4002.9

Sample Name: CCV Acquired: 4/5/2016 10:10:35 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.611	40.57	2.104	2.020	2.075	41.96	2.132	2.103	2.116
Stddev	.0003	.21	.009	.009	.012	.15	.005	.004	.005
%RSD	.1123	.5198	.4114	.4670	.5589	.3618	.2539	.1817	.2219
#1	.2612	40.37	2.098	2.011	2.065	41.88	2.133	2.103	2.111
#2	.2608	40.79	2.100	2.030	2.088	42.13	2.127	2.099	2.120
#3	.2614	40.55	2.114	2.018	2.071	41.86	2.137	2.107	2.119

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.034	40.36	41.66	40.45	2.149	2.097	41.57	2.142	2.084
Stddev	.003	.19	.18	.27	.025	.003	.16	.007	.009
%RSD	.1238	.4647	.4429	.6744	1.187	.1532	.3933	.3080	.4497
#1	2.037	40.20	41.59	40.14	2.120	2.095	41.47	2.139	2.082
#2	2.033	40.56	41.87	40.66	2.166	2.095	41.76	2.137	2.075
#3	2.032	40.31	41.52	40.54	2.162	2.101	41.47	2.149	2.094

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.102	2.080	2.388	2.100	2.113	2.131	2.102	2.137	2.167
Stddev	.008	.008	.005	.004	.011	.003	.002	.006	.008
%RSD	.3804	.3758	.2084	.1710	.5163	.1250	.0822	.2735	.3757
#1	2.096	2.079	2.388	2.097	2.111	2.127	2.103	2.131	2.166
#2	2.099	2.072	2.384	2.099	2.125	2.132	2.101	2.139	2.160
#3	2.111	2.088	2.393	2.104	2.103	2.132	2.104	2.142	2.176

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/5/2016 10:10:35 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2336.9	4833.9	3894.2	4127.3
Stddev	9.3	12.8	123.	23.8
%RSD	.39909	.26531	.31676	.57716
#1	2338.1	4839.6	3908.4	4150.2
#2	2345.6	4842.9	3886.2	4102.7
#3	2327.0	4819.2	3887.9	4128.9

Sample Name: CCB Acquired: 4/5/2016 10:17:38 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.030	0.001	0.004	0.003	0.117	0.001	0.001	0.000
Stddev	.0003	.0040	.0005	.001	.0001	.0005	.0000	.0001	.000
%RSD	170.9	133.9	800.9	29.16	36.12	3.913	40.00	215.6	373.1
#1	.0001	.0002	-0.002	.0003	.0004	.0121	.0001	.0002	-0.001
#2	-0.005	.0012	.0006	.0006	.0002	.0118	.0001	.0001	-0.002
#3	-0.002	.0076	-0.002	.0004	.0003	.0112	.0001	-0.001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.005	0.045	-0.008	0.087	0.002	-0.006	0.122	0.001	0.001
Stddev	.0000	.0036	.0277	.0090	.0000	.0001	.0174	.0002	.0004
%RSD	8.598	80.64	89.74	103.4	17.30	19.47	142.8	310.7	405.8
#1	.0005	.0083	-0.0624	.0010	.0002	-0.0005	.0224	-0.001	-0.002
#2	.0006	.0011	-0.190	.0185	.0002	-0.0006	.0221	.0002	.0005
#3	.0005	.0041	-0.111	.0066	.0003	-0.0007	-0.0079	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.005	0.015	0.006	-0.002	0.005	-0.005	0.012	0.004	0.003
Stddev	.0008	.0014	.0004	.0003	.0002	.0000	.0011	.0001	.0001
%RSD	170.8	91.80	62.49	180.5	34.40	3.850	91.65	31.02	43.74
#1	.0006	.0015	.0003	-0.003	.0006	-0.0005	.0024	.0003	.0003
#2	.0012	.0028	.0005	.0002	.0005	-0.0005	.0005	.0003	.0002
#3	-0.004	.0001	.0010	-0.004	.0003	-0.0004	.0006	.0005	.0004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/5/2016 10:17:38 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2699.7	5130.4	4127.7	4293.4
Stddev	.7	.8	77.	34.8
%RSD	.02641	.01615	.18752	.81040
#1	2699.3	5130.5	4131.5	4293.2
#2	2700.5	5131.3	4118.8	4328.3
#3	2699.2	5129.6	4132.8	4258.7

Sample Name: FA32760-1 Acquired: 4/5/2016 10:28:13 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 4.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.062	369.4	6.334	1.717	0.256	6.945	0.027	1.267	1.028
Stddev	.0008	3.4	.0039	.016	.0001	.036	.0007	.005	.007
%RSD	13.11	.9134	.6156	.9330	.4452	.5263	27.56	.3903	.6630
#1	-.0059	370.6	.6293	1.719	.0255	6.949	.0020	1.261	1.034
#2	-.0071	371.9	.6370	1.732	.0257	6.979	.0025	1.269	1.021
#3	-.0056	365.6	.6340	1.700	.0255	6.906	.0035	1.270	1.029
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.363	1176.	17.44	16.62	F 21.62	1.972	6.474	1.497	6.744
Stddev	.003	10.	.28	.13	.28	.0014	.0188	.007	.0072
%RSD	.2160	.8648	1.608	.7844	1.311	.7079	2.911	.4377	1.069
#1	1.360	1182.	17.44	16.65	21.79	1.966	6.627	1.490	6.671
#2	1.365	1182.	17.72	16.73	21.29	1.962	6.532	1.502	6.744
#3	1.366	1164.	17.16	16.48	21.77	1.988	6.264	1.499	6.816
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.016	-0.007	5.426	0.257	1.296	0.179	0.170	1.246	1.672
Stddev	.0042	.0061	.020	.0005	.0013	.007	.0019	.005	.006
%RSD	266.0	69.76	.3585	1.792	1.037	5.295	11.00	4.125	3.604
#1	.0063	-.0028	5.404	.0256	.1302	1.289	.0182	1.247	1.668
#2	-.0001	-.0149	5.431	.0253	.1306	1.282	.0179	1.240	1.679
#3	-.0015	-.0084	5.442	.0262	.1281	1.296	.0148	1.250	1.670
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2632.0	5597.5	4440.2	4644.6					
Stddev	14.0	19.4	347.	40.0					
%RSD	.53312	.34631	.78191	.86137					
#1	2645.4	5619.0	44299.	4614.6					
#2	2633.3	5592.3	44790.	4629.3					
#3	2617.4	5581.2	44119.	4690.0					

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Sample Name: FA32724-1 Acquired: 4/5/2016 10:32:38 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0157	180.9	0.315	5.116	0.023	19.69	0.155	0.194	2.292
Stddev	.0011	1.0	.0021	.0032	.0001	.06	.0001	.0002	.0017
%RSD	6.727	.5496	6.672	.6299	6.383	.3065	.7138	1.057	.7609
#1	.0163	180.6	.0293	5.093	.0025	19.68	.0156	.0195	2.298
#2	.0163	180.0	.0319	5.102	.0022	19.63	.0154	.0194	2.305
#3	.0145	182.0	.0334	5.153	.0022	19.75	.0155	.0192	2.272
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.127	113.9	5.931	6.662	1.791	0.056	5.802	0.608	2.788
Stddev	.0004	.6	.018	.027	.005	.0003	.0090	.0003	.0013
%RSD	.3465	.5676	.3073	.4063	.2902	5.970	1.553	.4265	.4705
#1	.1273	113.7	5.951	6.632	1.797	.0053	5.699	.0611	2.802
#2	.1277	113.4	5.915	6.684	1.791	.0056	5.847	.0608	2.786
#3	.1282	114.6	5.928	6.672	1.787	.0059	5.861	.0606	2.776
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.0025	-0.0009	2.649	0.202	0.854	1.061	-0.021	3.715	3.723
Stddev	.0011	.0027	.004	.0003	.0002	.002	.0020	.0016	.0008
%RSD	45.14	307.0	.1586	1.507	.1838	2.059	94.69	4.230	2.018
#1	-.0020	.0018	2.654	.0198	.0854	1.064	-.0002	3.732	3.725
#2	-.0017	-.0008	2.646	.0203	.0853	1.060	-.0041	3.710	3.729
#3	-.0038	-.0036	2.647	.0203	.0856	1.060	-.0019	3.701	3.714
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2650.9	5943.5	4686.0	4954.3					
Stddev	6.4	12.2	226.	33.2					
%RSD	.24050	.20502	.48171	.67095					
#1	2643.7	5931.5	46600.	4965.2					
#2	2653.6	5943.0	46980.	4980.8					
#3	2655.5	5955.9	47001.	4917.0					

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7.2
7

Sample Name: FA32724-2 Acquired: 4/5/2016 10:36:56 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 4.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0069	189.8	0.312	6.578	0.025	15.26	0.092	0.210	2.308
Stddev	.0014	1.0	.0034	.0049	.0003	.13	.0002	.0004	.0006
%RSD	20.06	.5370	11.03	.7396	13.08	.8412	1.650	2.006	2.511
#1	.0085	188.8	.0274	6.532	.0021	15.19	.0092	.0215	2.303
#2	.0062	189.9	.0342	6.572	.0025	15.19	.0090	.0207	2.315
#3	.0060	190.8	.0320	6.629	.0028	15.41	.0093	.0208	2.308
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.238	114.9	5.701	6.503	2.494	0.022	4.981	0.673	3.704
Stddev	.0001	.7	.030	.158	.014	.0004	.0090	.0003	.0036
%RSD	.0776	.6421	.5314	2.426	.5446	19.55	1.817	.4384	.9792
#1	.1237	114.2	5.668	6.359	2.480	.0020	5.066	.0670	3.665
#2	.1239	115.0	5.727	6.478	2.508	.0027	4.991	.0674	3.736
#3	.1238	115.6	5.709	6.671	2.495	.0020	4.886	.0676	3.711
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0023	-0.0029	3.789	0.206	0.856	1.130	-0.024	3.934	4.713
Stddev	.0010	.0078	.010	.0011	.0003	.005	.0047	.0008	.0004
%RSD	43.59	263.8	.2736	5.196	.3486	4.464	197.2	2.055	.0804
#1	-.0029	-.0063	3.798	.0195	.0855	1.125	-.0030	3.932	4.713
#2	-.0029	-.0059	3.790	.0207	.0859	1.135	-.0047	3.927	4.710
#3	-.0011	-.0085	3.778	.0216	.0854	1.129	-.0054	3.943	4.718
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2641.7	5615.2	4464.5	4683.4					
Stddev	3.8	2.5	186.	55.5					
%RSD	.14378	.04481	.41681	1.1840					
#1	2640.1	5616.0	44696.	4734.2					
#2	2639.0	5617.2	44438.	4691.7					
#3	2646.0	5612.3	44800.	4624.2					

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Sample Name: FA32724-4 Acquired: 4/5/2016 10:41:15 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.130	155.8	0.276	5.327	0.022	14.46	0.149	0.190	2.050
Stddev	.0013	.3	.0005	.0017	.0000	.08	.0003	.0003	.0006
%RSD	9.724	.2056	1.966	3.118	1.645	.5265	1.813	1.637	3.134
#1	.0138	155.7	.0283	5.344	.0022	14.40	.0152	.0193	2.050
#2	.0137	156.2	.0273	5.311	.0022	14.55	.0146	.0187	2.044
#3	.0115	155.6	.0273	5.326	.0022	14.45	.0149	.0189	2.056
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.343	97.87	6.037	6.174	1.686	0.045	4.572	0.583	4.009
Stddev	.0003	.32	.040	.063	.006	.0004	.0114	.0002	.0024
%RSD	.1993	.3281	.660						

Sample Name: FA32724-5 Acquired: 4/5/2016 10:45:32 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 4.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0081	169.1	.0388	.5870	.0024	18.16	.0153	.0226	2.114
Stddev	.0014	.8	.0033	.0014	.0001	.04	.0002	.0002	.0027
%RSD	16.88	.4653	8.487	.2349	3.564	.2441	1.544	.7438	1.294
#1	.0071	169.4	.0418	.5862	.0025	18.21	.0150	.0224	2.100
#2	.0075	169.6	.0352	.5886	.0023	18.17	.0153	.0227	2.097
#3	.0096	168.2	.0393	.5861	.0024	18.12	.0155	.0225	2.146
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1533	109.9	5.502	6.434	2.794	.0028	6.809	.0924	3.507
Stddev	.0008	.4	.043	.078	.012	.0005	.0089	.0005	.0010
%RSD	.5505	.3766	.7844	1.211	.4310	16.96	1.304	.5400	.2784
#1	.1531	110.1	5.497	6.522	2.799	.0026	6.836	.0920	3.517
#2	.1526	110.1	5.547	6.405	2.780	.0024	6.710	.0930	3.506
#3	.1543	109.4	5.461	6.375	2.803	.0033	6.881	.0923	3.497
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-.0013	-.0024	2.695	.0233	.0862	-.0033	-.3240	-.3240	4.274
Stddev	.0028	.0081	.004	.0010	.0007	.0039	.0067	.0009	.0003
%RSD	217.1	337.4	.1303	4.499	.7573	4.108	207.3	2.697	0.562
#1	-.0035	-.0082	2.692	.0228	.0869	.9412	.0038	.3249	4.722
#2	.0019	.0069	2.694	.0245	.0860	9.360	-.0096	3.237	4.723
#3	-.0023	-.0059	2.699	.0225	.0856	.9435	-.0040	3.232	4.727
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2654.1	5608.6	4464.7	4606.3					
Stddev	7.8	8.8	73.	28.0					
%RSD	.29295	.15719	.16361	.60680					
#1	2650.2	5617.9	4471.6	4587.1					
#2	2663.0	5607.6	4465.6	4593.4					
#3	2649.0	5600.3	4457.0	4638.4					

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Sample Name: FA32724-6 Acquired: 4/5/2016 10:49:51 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 4.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0053	204.9	.0397	.6326	.0026	18.94	.0081	.0239	2.592
Stddev	.0027	.7	.0034	.0050	.0002	.04	.0002	.0006	.0021
%RSD	50.18	.3207	8.468	.7855	7.502	.2042	2.101	2.716	.7973
#1	.0074	204.3	.0363	.6361	.0024	18.90	.0082	.0234	2.616
#2	.0023	204.8	.0430	.6347	.0027	18.95	.0079	.0236	2.579
#3	.0063	205.6	.0399	.6269	.0027	18.98	.0081	.0246	2.581
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1342	139.0	8.084	8.588	2.603	.0023	6.553	1.059	2.761
Stddev	.0002	.2	.074	.043	.006	.0003	.0299	.0006	.0045
%RSD	.1427	.1631	.9201	.5015	.2248	14.82	4.560	.5589	1.622
#1	.1343	138.9	8.058	8.538	2.610	.0027	6.886	1.053	2.747
#2	.1340	138.9	8.167	8.612	2.599	.0022	6.462	1.060	2.726
#3	.1344	139.3	8.025	8.613	2.600	.0021	6.310	1.065	2.812
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-.0042	-.0064	3.837	.0200	.0753	1.276	-.0063	4.214	4.813
Stddev	.0017	.0030	.007	.0010	.0005	.002	.0051	.0008	.0002
%RSD	41.13	46.47	.1934	5.107	.6640	.1330	81.24	1.846	0.472
#1	-.0036	-.0091	3.844	.0189	.0748	1.277	-.0021	4.205	4.812
#2	-.0028	-.0032	3.839	.0209	.0753	1.277	-.0120	4.219	4.812
#3	-.0061	-.0071	3.829	.0202	.0758	1.274	-.0048	4.218	4.816
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2625.6	5631.1	4495.2	4684.5					
Stddev	4.3	4.4	276.	13.9					
%RSD	.16392	.07783	.61469	.29682					
#1	2626.8	5633.6	4466.1	4686.1					
#2	2629.1	5626.1	4498.5	4697.6					
#3	2620.8	5633.7	4521.1	4669.9					

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7.2
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Sample Name: FA32724-7 Acquired: 4/5/2016 10:54:10 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0112	151.1	.0252	4.494	.0018	12.46	.0114	.0153	1.855
Stddev	.0004	.7	.0019	.0035	.0001	.10	.0000	.0001	.0005
%RSD	3.281	.4393	7.521	.7681	5.574	.7691	.3295	.6375	2.609
#1	.0110	150.5	.0263	4.455	.0017	12.42	.0114	.0154	1.854
#2	.0110	151.0	.0262	4.517	.0019	12.40	.0114	.0152	1.851
#3	.0117	151.8	.0230	4.511	.0018	12.57	.0114	.0154	1.860
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1066	91.00	4.134	4.429	1.350	.0041	4.542	.0557	2.287
Stddev	.0004	.47	.049	.015	.006	.0001	.0139	.0005	.0023
%RSD	.4096	.5220	1.173	.3339	.4380	1.919	3.067	.8887	1.017
#1	.1069	90.63	4.141	4.438	1.344	.0042	4.393	.0563	2.279
#2	.1061	90.84	4.178	4.412	1.356	.0041	4.565	.0556	2.313
#3	.1068	91.54	4.082	4.437	1.350	.0040	4.669	.0553	2.269
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-.0023	-.0036	3.574	.0200	.0605	.9207	-.0029	3.237	3.298
Stddev	.0013	.0015	.004	.0005	.0004	.0025	.0030	.0008	.0012
%RSD	57.40	40.87	.1041	2.584	.6809	2.765	105.0	2.365	3.605
#1	-.0020	-.0019	3.575	.0203	.0601	.9183	.0000	3.230	3.312
#2	-.0038	-.0044	3.576	.0194	.0605	9.234	-.0061	3.245	3.289
#3	-.0012	-.0045	3.569	.0203	.0609	9.204	-.0026	3.236	3.294
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2610.2	5711.6	4553.6	4746.5					
Stddev	5.1	5.1	225.	10.7					
%RSD	.19549	.09014	.49393	.22580					
#1	2613.2	5710.3	4573.4	4756.0					
#2	2604.3	5707.3	4529.1	4748.6					
#3	2613.1	5717.3	4558.2	4734.9					

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Sample Name: FA32787-1 Acquired: 4/5/2016 10:58:29 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0004	28.55	.0040	1.575	.0013	746.1	.0013	.0047	0.631
Stddev	.0003	.07	.0004	.0011	.0001	2.0	.0002	.0000	.0002
%RSD	68.00	.2476	10.41	.7113	4.829	2.730	13.33	9.219	3.357
#1	-.0001	28.49	.0045	1.562	.0012	748.4	.0013	.0047	0.632
#2	-.0006	28.63	.0039	1.581	.0013	744.6	.0014	.0046	0.628
#3	-.0005	28.54	.0037	1.581	.0012	745.3	.0011	.0047	0.631
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0346	20.98	2.652	9.846	2.903	.0011	1.027	0.169	0.509
Stddev	.0001	.11	.007	.080	.0007	.0002	.027	.0004	.0014
%									

Sample Name: FA32737-1 Acquired: 4/5/2016 11:02:58 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0026	425.7	0.0526	2.918	0.0218	72.77	0.0003	0.0352	2.107
Stddev	0.0034	1.7	0.0016	0.006	0.0007	0.44	0.0005	0.0002	0.008
%RSD	129.5	4.072	3.022	0.2156	3.284	0.6042	154.6	0.6151	0.3738
#1	-0.0028	424.4	0.0517	2.919	0.0218	72.56	0.0004	0.0354	2.116
#2	-0.0009	425.1	0.0516	2.912	0.0225	72.48	-0.0002	0.0351	2.104
#3	-0.0059	427.7	0.0544	2.924	0.0210	73.28	0.0008	0.0350	2.102
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0235	299.2	9.555	22.32	0.6902	-0.1017	1.444	0.1999	0.2397
Stddev	0.0033	9	0.174	0.16	0.0058	0.0013	0.065	0.0017	0.0036
%RSD	14.20	2.937	1.818	0.6942	0.8382	12.07	4.471	0.8614	1.482
#1	0.0208	298.6	9.440	22.48	0.6939	-0.1112	1.492	0.1983	0.2356
#2	0.0272	298.7	9.469	22.17	0.6932	-0.1116	1.371	0.2017	0.2419
#3	0.0224	300.2	9.754	22.32	0.6836	-0.0992	1.470	0.1998	0.2415
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0096	-0.0062	3.860	0.0191	4.044	1.287	-0.0042	0.5626	0.4163
Stddev	0.0091	0.0079	0.007	0.0018	0.009	0.004	0.0098	0.0029	0.0031
%RSD	94.45	127.1	0.1897	9.627	0.2104	0.3303	232.8	0.5108	0.7328
#1	-0.0074	0.0028	3.852	0.0170	4.042	1.290	-0.0001	0.5624	0.4129
#2	-0.0196	-0.0116	3.860	0.0200	4.037	1.288	-0.0153	0.5656	0.4189
#3	-0.0018	-0.0098	3.867	0.0203	4.053	1.282	0.0029	0.5599	0.4169
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2645.2	5766.1	46118.	4719.6					
Stddev	3.9	21.1	266.	25.5					
%RSD	0.14788	0.36634	0.57749	0.54089					
#1	2649.1	5784.6	45951.	4747.4					
#2	2645.2	5770.7	45977.	4714.2					
#3	2641.2	5743.1	46425.	4697.2					

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Sample Name: CCV Acquired: 4/5/2016 11:07:17 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.2569	39.77	2.081	1.988	2.026	40.91	2.106	2.077	2.080
Stddev	0.0001	0.23	0.003	0.006	0.006	0.19	0.005	0.004	0.006
%RSD	0.0210	0.5675	0.1282	0.3050	0.3078	0.4737	0.2633	0.2076	0.3013
#1	0.2569	39.99	2.080	1.991	2.032	41.11	2.100	2.072	2.087
#2	0.2568	39.79	2.080	1.993	2.024	40.91	2.107	2.077	2.075
#3	0.2569	39.54	2.084	1.982	2.020	40.72	2.111	2.081	2.078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.002	39.44	41.14	39.32	2.113	2.071	41.05	2.115	2.053
Stddev	0.004	0.14	0.19	0.16	0.006	0.004	0.14	0.006	0.001
%RSD	0.2244	0.3555	0.4576	0.4014	0.2833	0.1880	0.3517	0.2846	0.0475
#1	2.004	39.60	41.24	39.49	2.116	2.067	41.16	2.108	2.052
#2	2.005	39.35	41.25	39.30	2.118	2.071	41.11	2.117	2.053
#3	1.997	39.36	40.92	39.18	2.107	2.075	40.89	2.119	2.054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.079	2.057	2.361	2.076	2.079	2.098	2.077	2.100	2.139
Stddev	0.002	0.010	0.003	0.005	0.008	0.005	0.002	0.004	0.007
%RSD	0.1060	0.4688	0.1458	0.2380	0.3989	0.2477	0.0864	0.2106	0.3259
#1	2.076	2.047	2.357	2.071	2.085	2.104	2.075	2.106	2.131
#2	2.079	2.059	2.363	2.079	2.082	2.094	2.079	2.098	2.142
#3	2.081	2.066	2.362	2.080	2.069	2.096	2.078	2.098	2.144
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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Sample Name: CCV Acquired: 4/5/2016 11:07:17 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2376.5	4903.8	39665.	4205.9
Stddev	9	7.6	100.	39.7
%RSD	0.3794	0.15543	0.25165	0.94483
#1	2376.8	4912.5	39562.	4160.3
#2	2377.2	4898.5	39761.	4224.5
#3	2375.5	4900.4	39670.	4232.9

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Sample Name: CCB Acquired: 4/5/2016 11:11:34 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	0.0017	-0.0001	0.0003	0.0002	0.0061	0.0001	0.0001	-0.0001
Stddev	0.0002	0.0025	0.0003	0.0005	0.0000	0.0029	0.0000	0.0000	0.0001
%RSD	140.9	149.9	356.4	205.2	14.13	47.95	33.52	34.64	63.70
#1	-0.0001	0.0035	-0.0003	-0.0001	0.0001	0.0028	0.0001	0.0001	-0.0002
#2	0.0001	0.0027	-0.0003	0.0000	0.0002	0.0073	0.0001	0.0001	0.0000
#3	-0.0003	-0.0012	0.0003	0.0008	0.0001	0.0083	0.0001	0.0001	-0.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0005	0.0030	-0.0658	0.0092	0.0002	-0.0001	0.0057	0.0001	-0.0003
Stddev	0.0001	0.0016	0.0377	0.0059	0.0001	0.0003	0.0013	0.0002	0.0004
%RSD	13.42	51.14	57.33	63.77	25.61	266.5	22.62	189.9	106.4
#1	0.0005	0.0039	-0.0609	0.0024	0.0002	0.0001	0.0043	0.0001	0.0000
#2	0.0005	0.0040	-0.0308	0.0128	0.0003	0.0000	0.0069	0.0003	-0.0004
#3	0.0004	0.0012	-0.1057	0.0124	0.0002	-0.0004	0.0059	-0.0001	-0.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0001	0.0007	0.0015	-0.0003	0.0003	-0.0003	0.0012	0.0002	0.0002
Stddev	0.0012	0.0028	0.0003	0.0002	0.0001	0.0001	0.0003	0.0002	0.0000
%RSD	1891.	413.2	20.39	80.76	17.80	23.63	27.26	98.83	15.67
#1	0.0012	0.0004	0.0011	-0.0002	0.0003	-0.0002	0.0014	0.0003	0.0002
#2	0.0003	0.0037	0.0017	-0.0001	0.0004	-0.0002	0.0008	0.0000	0.0002
#3	-0.0013	-0.0020	0.0016	-0.0006	0.0003	-0.0003	0.0013	0.0002	0.0003
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 4/5/2016 11:11:34 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2698.2	5141.3	41348.	4250.1
Stddev	3.9	3.3	69.	38.2
%RSD	.14333	.06442	.16765	.89824
#1	2694.8	5141.8	41428.	4290.9
#2	2702.4	5137.8	41303.	4244.2
#3	2697.6	5144.3	41312.	4215.3

Sample Name: FA32737-3 Acquired: 4/5/2016 11:16:04 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.018	425.7	0.020	2.811	0.199	38.52	0.006	0.0295	1.504
Stddev	0.018	.9	0.020	0.003	0.002	.04	0.002	0.004	.004
%RSD	101.3	.2168	4.793	.0995	1.191	.1038	34.62	1.333	.2769
#1	-0.038	426.2	.0418	2.811	.0196	38.53	.0009	.0293	1.505
#2	-0.006	426.2	.0401	2.813	.0200	38.48	.0005	.0299	1.507
#3	-0.009	424.6	.0441	2.808	.0201	38.55	.0005	.0292	1.499
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0301	224.9	10.18	19.95	9.710	-0.031	1.256	2.015	2.464
Stddev	0.006	.4	.04	.08	.0038	.0001	.020	.0006	.0053
%RSD	1.926	.1779	.4070	.3781	.3902	4.289	1.557	.2915	2.159
#1	.0297	224.8	10.16	20.02	.9680	-0.029	1.257	.2022	.2419
#2	.0307	225.3	10.23	19.97	.9753	-0.032	1.236	.2013	.2449
#3	.0297	224.5	10.16	19.87	.9698	-0.031	1.276	.2011	.2523
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.108	-0.029	7.322	0.199	4.006	1.858	0.011	4.391	4.072
Stddev	0.043	0.023	.012	.0028	.005	.004	.0008	.0015	.0015
%RSD	40.07	79.21	.1695	14.22	1.209	.2350	76.41	.3386	.3666
#1	-0.098	-0.055	7.334	.0231	4.011	1.855	.0017	.4393	.4061
#2	-0.071	-0.012	7.322	.0178	4.005	1.863	.0013	.4406	.4089
#3	-0.155	-0.020	7.309	.0188	4.002	1.856	.0002	.4376	.4065
Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710					
Avg	2590.4	6026.3	47976.	4980.1					
Stddev	3.4	6.5	196.	19.5					
%RSD	.13160	.10763	.40767	.39225					
#1	2591.6	6024.2	48146.	4958.4					
#2	2586.6	6021.1	47762.	4996.3					
#3	2593.1	6033.5	48018.	4985.5					

7.2
7

Sample Name: MP30204-MB1 Acquired: 4/5/2016 11:20:24 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	0.062	-0.0002	-0.0001	-0.0001	0.081	-0.0001	-0.0002	-0.0002
Stddev	0.001	0.0054	0.0007	0.0002	0.001	0.015	0.000	0.001	0.001
%RSD	92.28	87.68	357.3	237.5	89.01	18.94	8.663	48.01	81.37
#1	-0.0001	0.089	-0.0008	-0.0004	0.000	0.097	-0.0001	-0.0001	0.000
#2	0.000	-0.0001	0.0006	0.001	-0.0001	0.080	-0.0001	-0.0001	-0.0002
#3	-0.0002	0.098	-0.0005	0.000	-0.0001	0.067	-0.0001	-0.0002	-0.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0005	0.0038	-0.0002	0.0203	0.000	-0.0010	0.0036	-0.0002	0.0005
Stddev	0.002	0.0044	0.0105	0.0086	0.00	0.000	0.0113	0.0002	0.0002
%RSD	53.48	116.5	13.10	42.25	54.66	2.376	313.1	94.88	41.44
#1	0.0007	0.0038	-0.0924	0.0249	0.000	-0.0010	0.0124	-0.0001	0.0008
#2	0.0005	0.0082	-0.0735	0.0104	-0.0001	-0.0010	-0.0091	-0.0004	0.0005
#3	0.0002	-0.0006	-0.0749	0.0257	0.000	-0.0011	0.0076	-0.0001	0.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0007	0.0003	0.0099	-0.0004	0.000	-0.0007	0.001	-0.0002	0.001
Stddev	0.011	0.0004	0.0009	0.0003	0.0001	0.000	0.0005	0.0002	0.0001
%RSD	163.0	147.8	9.065	71.58	331.9	4.497	571.8	141.8	60.82
#1	-0.0014	-0.0001	0.0109	-0.0002	0.0001	-0.0007	-0.0004	-0.0003	0.000
#2	0.0006	0.0002	0.0092	-0.0008	0.000	-0.0007	0.0002	0.0001	0.0002
#3	-0.0014	0.0008	0.0095	-0.0003	-0.0001	-0.0007	0.0005	-0.0003	0.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30204-MB1 Acquired: 4/5/2016 11:20:24 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2696.5	5115.1	41268.	4205.2
Stddev	9.1	13.0	52.	32.4
%RSD	.33614	.25485	.12657	.77016
#1	2700.5	5123.9	41219.	4226.9
#2	2702.8	5121.3	41262.	4220.7
#3	2686.1	5100.1	41323.	4168.0

Sample Name: MP30204-B1 Acquired: 4/5/2016 11:24:55 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0492	29.47	2.108	2.101	.0542	28.20	.0548	.5365	2.182
Stddev	.0004	.03	.009	.005	.0001	.02	.0003	.0014	.0010
%RSD	.7131	.1097	.4241	.2449	.1876	.0595	.4793	.2647	.4534

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2673	28.97	28.37	27.43	.5658	.5394	28.25	.5523	.5195
Stddev	.0009	.03	.09	.10	.0030	.0012	.11	.0018	.0009
%RSD	.3349	.1193	.3172	.3468	.5322	.2290	.3750	.3245	.1639

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5338	2.113	.0255	.5551	.5416	.5554	2.096	.5266	.5539
Stddev	.0010	.003	.0001	.0019	.0025	.0018	.005	.0018	.0030
%RSD	.1849	.1601	.4330	.3375	.4663	.3316	.2177	.3381	.5332

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30204-B1 Acquired: 4/5/2016 11:24:55 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2449.2	4924.7	3946.0	4134.3
Stddev	4.5	6.3	174.	16.9
%RSD	.18510	.12839	.44085	.40898

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

#1	2444.4	4919.0	3948.2	4124.7
#2	2453.4	4931.5	3962.2	4124.3
#3	2449.9	4923.6	3927.6	4153.8

7.2
7

Sample Name: FA32638-9 Acquired: 4/5/2016 11:29:07 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.002	.0232	-0.001	.0176	-0.001	14.41	.0000	.0004	-0.001
Stddev	.0003	.0026	.0010	.0004	.0001	.09	.000	.0001	.0002
%RSD	130.1	11.07	814.0	2.484	72.12	.6162	85.82	24.09	243.6

#1	-0.002	.0209	-0.012	.0180	-0.001	14.43	-0.001	.0003	-0.003
#2	-0.005	.0260	.0001	.0175	-0.002	14.32	.0000	.0004	.0002
#3	.0001	.0228	.0008	.0172	-0.001	14.49	-0.001	.0005	-0.002

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0009	1.086	2.803	4.369	1.159	-0.007	5.960	.0004	-0.011
Stddev	.0001	.012	.011	.021	.0005	.0001	.016	.0002	.0005
%RSD	7.500	1.118	.3822	.4759	.4595	15.71	2.634	50.82	43.69

#1	.0009	1.094	2.812	4.392	1.154	-0.009	5.953	.0005	-0.012
#2	.0008	1.072	2.806	4.351	1.164	-0.008	5.949	.0002	-0.006
#3	.0010	1.092	2.791	4.365	1.157	-0.006	5.978	.0006	-0.015

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2623.8	5052.5	4119.0	4240.2
Stddev	4.0	5.4	237.	29.8
%RSD	.15338	.10780	.57531	.70396

Sample Name: MP30204-D1 Acquired: 4/5/2016 11:33:33 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	.0149	-0.007	.0178	-0.001	14.52	.0000	.0003	-0.001
Stddev	.0003	.0093	.0008	.0001	.0001	.06	.000	.0001	.0001
%RSD	51.44	62.19	123.4	.5870	94.21	4.051	73.74	14.62	48.99

#1	-0.008	.0190	-0.016	.0178	.0000	14.45	-0.001	.0004	-0.001
#2	-0.007	.0214	-0.005	.0178	-0.001	14.56	.0000	.0003	-0.002
#3	-0.002	.0043	.0001	.0180	-0.002	14.54	-0.001	.0004	-0.001

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0003	1.078	2.822	4.436	1.158	-0.011	5.965	.0006	-0.008
Stddev	.0000	.010	.036	.064	.0002	.0000	.008	.0001	.0003
%RSD	15.75	.9385	1.294	1.447	.1986	3.887	.1347	14.70	39.47

#1	.0003	1.066	2.812	4.362	1.157	-0.012	5.956	.0007	-0.012
#2	.0003	1.083	2.792	4.474	1.156	-0.011	5.968	.0006	-0.007
#3	.0004	1.084	2.863	4.472	1.161	-0.011	5.972	.0006	-0.006

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2641.4	5102.8	4141.1	4242.8
Stddev	8.6	23.2	12.	27.8
%RSD	.32567	.45487	.02978	.65433

Sample Name: MP30204-SD1 Acquired: 4/5/2016 11:37:59 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.019	0.256	-0.006	0.166	-0.006	13.87	-0.004	0.001	-0.012
Stddev	.0031	.0604	.0006	.0008	.0001	.11	.0002	.0008	.0010
%RSD	161.3	236.2	101.3	4.801	21.81	.7884	45.34	695.6	80.47
#1	-.0020	.0299	-.0008	.0160	-.0005	13.85	-.0006	.0005	-.0001
#2	.0012	.0837	.0001	.0164	-.0006	13.78	-.0003	-.0008	-.0018
#3	-.0049	-.0369	-.0011	.0175	-.0008	13.99	-.0002	.0006	-.0017
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.009	1.007	2.325	4.330	1.120	-0.070	5.687	0.004	-0.010
Stddev	.0001	.019	.113	.156	.0003	.0003	.053	.0005	.0025
%RSD	13.32	1.887	4.876	3.602	.2595	4.212	.9402	121.0	245.4
#1	.0008	.9868	2.455	4.321	.1117	-.0069	5.698	.0004	-.0005
#2	.0011	1.010	2.246	4.179	.1119	-.0073	5.629	-.0001	-.0012
#3	.0009	1.025	2.275	4.490	.1123	-.0067	5.735	.0009	-.0037
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.001	-0.018	7.753	-0.044	1.203	-0.033	0.030	-0.003	0.444
Stddev	.0027	.0050	.012	.0005	.0010	.0003	.0032	.0003	.0013
%RSD	262.0	279.1	.1606	10.88	.8599	10.40	107.2	96.36	3.037
#1	-.0008	-.0065	7.741	-.0039	.1195	-.0031	.0029	-.0003	.0428
#2	-.0025	-.0023	7.751	-.0044	.1199	-.0037	.0062	-.0007	.0449
#3	.0029	.0034	7.766	-.0048	.1214	-.0030	-.0002	.0000	.0453
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2701.0	5163.5	4180.7	4222.4					
Stddev	3.6	8.1	263.	16.4					
%RSD	.13436	.15644	.62940	.38744					
#1	2704.8	5170.2	42071.	4226.7					
#2	2700.6	5165.8	41805.	4236.3					
#3	2697.6	5154.5	41544.	4204.4					

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Sample Name: MP30204-PS1 Acquired: 4/5/2016 11:42:26 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.480	2.578	1.061	2.781	0.529	19.37	0.544	0.542	0.548
Stddev	.0003	.028	.0004	.0015	.0002	.10	.0001	.0001	.0003
%RSD	.6886	1.066	.3987	.5408	.4518	.5247	.1848	.2083	.4684
#1	.0479	2.588	.1058	.2772	.0526	19.25	.0544	.0541	.0545
#2	.0483	2.547	.1065	.2772	.0529	19.40	.0544	.0543	.0549
#3	.0477	2.599	.1059	.2798	.0531	19.45	.0546	.0541	.0550
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.071	4.176	13.01	9.319	1.693	10.44	16.12	1.093	0.494
Stddev	.0006	.025	.09	.048	.0005	.0004	.10	.0002	.0006
%RSD	.5193	.5921	.6628	.5188	.3086	.3782	.6082	.1397	1.148
#1	.1067	4.157	12.91	9.274	.1699	10.43	16.04	.1092	.0501
#2	.1078	4.166	13.02	9.312	.1690	10.41	16.09	.1093	.0492
#3	.1069	4.204	13.08	9.370	.1689	10.49	16.23	.1095	.0490
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.094	1.017	8.030	0.516	1.738	1.092	1.017	0.528	2.960
Stddev	.0008	.0009	.021	.0004	.0015	.0001	.0011	.0002	.0004
%RSD	.6928	.8882	.2648	.8492	.8838	.0694	1.068	.3239	1.188
#1	.1097	.1009	8.009	.0513	.1722	.1092	.1028	.0526	.2963
#2	.1099	.1026	8.029	.0515	.1737	.1093	.1007	.0530	.2956
#3	.1085	.1015	8.051	.0521	.1753	.1092	.1014	.0528	.2961
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2569.8	5031.3	4064.1	4180.8					
Stddev	7.9	12.0	105.	9.8					
%RSD	.30628	.23809	.25950	.23554					
#1	2576.7	5038.5	40559.	4183.3					
#2	2571.4	5038.0	40760.	4169.9					
#3	2561.2	5017.5	40603.	4189.1					

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7.2
7

Sample Name: MP30204-S1 Acquired: 4/5/2016 11:46:44 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0495	29.65	2.128	2.142	0.542	42.70	0.546	5.354	2.171
Stddev	.0004	.31	.008	.021	.0006	.30	.0002	.0012	.0009
%RSD	.9075	1.031	.3580	1.002	1.032	.7116	.3237	.2201	.4092
#1	.0494	29.47	2.126	2.131	.0539	42.52	.0544	.5348	.2161
#2	.0499	29.48	2.121	2.127	.0539	42.54	.0545	.5347	.2178
#3	.0491	30.01	2.136	2.166	.0549	43.05	.0548	.5368	.2175
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.699	30.20	31.32	32.02	6.743	5.395	34.32	5.492	5.180
Stddev	.0006	.30	.32	.22	.0021	.0019	.33	.0016	.0017
%RSD	.2275	1.005	1.014	.7013	.3091	.3587	.9737	.2865	.3326
#1	.2705	30.04	31.13	32.01	.6731	.5379	34.19	.5478	.5172
#2	.2693	30.00	31.13	31.80	.6767	.5389	34.08	.5489	.5200
#3	.2697	30.55	31.68	32.25	.6730	.5416	34.70	.5509	.5168
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.355	2.129	8.413	5.548	6.684	5.525	2.087	5.247	5.604
Stddev	.0035	.005	.026	.0011	.0063	.0013	.006	.0008	.0013
%RSD	.6473	.2350	.3146	.1952	.9384	.2409	.3041	.1457	.2357
#1	.5335	2.126	8.398	.5537	.6661	.5513	2.084	.5247	.5589
#2	.5335	2.126	8.398	.5548	.6637	.5539	2.094	.5255	.5614
#3	.5395	2.135	8.444	.5559	.6755	.5525	2.083	.5240	.5608
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2420.0	4910.3	39665.	4149.6					
Stddev	1.4	12.2	176.	32.8					
%RSD	.05824	.24769	.44276	.78927					
#1	2419.4	4911.6	39857.	4174.3					
#2	2418.9	4921.7	39513.	4162.0					
#3	2421.6	4897.5	39625.	4112.4					

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Sample Name: MP30204-S2 Acquired: 4/5/2016 11:50:56 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0496	29.90	2.141	2.168	0.549	42.77	0.547	5.361	2.183
Stddev	.0006	.12	.002	.012	.0001	.17	.0001	.0015	.0009
%RSD	1.215	.4067	.1050	.5629	.2641	.4018	.2141	.2712	.4274
#1	.0490	29.82	2.140	2.159	.0548	42.78	.0546	.5345	.2188
#2	.0502	29.85	2.140	2.164	.0548	42.59	.0547	.5369	.2173
#3	.0495	30.04	2.144	2.182	.0551	42.94	.0549	.5371	.2190
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.713	30.36	31.52	32.05	6.742	5.415	34.48	5.509	5.203
Stddev	.0004	.13	.15						

Sample Name: FA32638-1 Acquired: 4/5/2016 11:55:07 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.577	0.002	0.076	-0.001	6.281	0.000	0.024	0.002
Stddev	.0002	.0039	.0005	.0003	.0000	.028	.000	.0000	.0001
%RSD	140.8	6.792	264.0	3.313	21.78	.4454	43.08	1.315	39.57
#1	-.0004	.0551	.0006	.0074	-.0001	6.249	.0000	.0024	.0001
#2	-.0001	.0558	-.0003	.0079	-.0001	6.297	-.0001	.0024	.0003
#3	.0000	.0623	.0002	.0076	-.0001	6.297	.0000	.0024	.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.006	9.115	1.788	2.173	0.0434	-0.010	3.744	0.015	-0.006
Stddev	.0002	.0050	.038	.024	.0002	.0001	.016	.0003	.0005
%RSD	31.33	.5480	2.143	1.083	.4170	5.954	.4234	21.87	73.30
#1	.0004	.9117	1.745	2.148	.0432	-.0011	3.728	.0018	-.0005
#2	.0008	.9064	1.799	2.179	.0436	-.0010	3.743	.0011	-.0003
#3	.0007	.9163	1.819	2.193	.0433	-.0010	3.760	.0015	-.0012
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.004	-0.006	7.539	-0.001	0.0492	0.042	0.002	0.003	0.164
Stddev	.0005	.0015	.010	.0003	.0003	.0005	.0003	.0001	.0000
%RSD	105.7	237.7	.1296	289.5	.6843	11.39	161.8	20.57	.2226
#1	.0010	-.0012	7.542	.0000	.0489	.0038	.0002	.0003	.0164
#2	.0004	-.0018	7.548	-.0004	.0491	.0040	.0005	.0004	.0164
#3	.0000	.0011	7.529	.0001	.0496	.0047	-.0001	.0002	.0164
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2671.4	5155.1	4151.3	4245.9					
Stddev	5.9	3.8	117.	13.5					
%RSD	.22105	.07414	.28193	.31723					
#1	2674.5	5159.4	4159.2	4257.0					
#2	2675.1	5153.3	4137.9	4249.8					
#3	2664.6	5152.4	4156.8	4230.9					

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Sample Name: CCV Acquired: 4/5/2016 11:59:33 Type: QC
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.566	39.91	2.054	1.985	2.022	40.94	2.090	2.061	2.095
Stddev	.0010	.08	.001	.005	.004	.05	.001	.002	.008
%RSD	.3982	.2110	.0363	.2518	.1910	.1193	.0555	.0904	.3767
#1	.2575	40.01	2.054	1.991	2.024	41.00	2.091	2.063	2.094
#2	.2555	39.85	2.053	1.984	2.018	40.91	2.091	2.060	2.103
#3	.2569	39.88	2.055	1.981	2.024	40.92	2.089	2.059	2.088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.999	39.47	41.22	39.71	2.127	2.056	40.90	2.096	2.044
Stddev	.009	.07	.19	.16	.009	.003	.03	.004	.003
%RSD	.4393	.1754	.4683	.3905	.4373	.1421	.0799	.1771	.1249
#1	2.003	39.52	41.44	39.87	2.137	2.059	40.89	2.101	2.042
#2	1.989	39.39	41.14	39.57	2.124	2.056	40.87	2.093	2.046
#3	2.005	39.49	41.08	39.88	2.120	2.053	40.94	2.096	2.043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.050	2.035	2.331	2.065	2.065	2.102	2.058	2.105	2.136
Stddev	.004	.006	.002	.003	.005	.005	.005	.010	.003
%RSD	.2181	.3004	.0818	.1389	.2343	.2573	.2220	.4922	.1320
#1	2.055	2.042	2.333	2.065	2.070	2.102	2.063	2.103	2.137
#2	2.049	2.033	2.330	2.068	2.060	2.107	2.058	2.117	2.139
#3	2.046	2.030	2.330	2.063	2.066	2.096	2.054	2.097	2.133
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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Sample Name: CCV Acquired: 4/5/2016 11:59:33 Type: QC
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2394.3	4953.2	39526.	4154.0
Stddev	1.1	3.8	74.	15.5
%RSD	.04421	.07654	.18664	.37406
#1	2395.4	4949.1	39593.	4140.1
#2	2393.3	4956.6	39447.	4151.2
#3	2394.1	4953.9	39538.	4170.8

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Sample Name: CCB Acquired: 4/5/2016 12:03:50 Type: QC
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.001	0.040	0.004	0.004	0.003	0.086	0.000	0.000	-0.001
Stddev	.0002	.0019	.0010	.0003	.0000	.0018	.0000	.0001	.0003
%RSD	257.7	47.46	243.6	83.29	6.101	20.40	123.9	162.7	211.9
#1	.0002	.0047	.0008	.0007	.0003	.0071	.0001	.0000	.0000
#2	-.0001	.0054	-.0007	.0002	.0003	.0105	.0000	.0001	.0001
#3	.0001	.0018	.0013	.0002	.0003	.0081	.0000	.0001	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.002	0.060	-0.011	-0.057	0.002	-0.001	0.125	0.001	-0.004
Stddev	.0003	.0030	.0077	.0149	.0000	.0003	.0117	.0002	.0004
%RSD	166.3	50.52	686.0	259.9	21.23	276.1	93.63	227.3	89.90
#1	-.0001	.0081	.0000	-.0079	.0003	.0002	.0175	.0000	-.0006
#2	.0005	.0072	-.0094	.0101	.0002	-.0002	.0209	.0000	.0000
#3	.0001	.0025	.0060	-.0194	.0002	-.0004	-.0009	.0003	-.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.000	0.004	0.021	-0.003	0.003	-0.001	0.014	0.001	0.001
Stddev	.0010	.0019	.0002	.0003	.0000	.0001	.0000	.0001	.0001
%RSD	6620.	452.7	10.22	79.60	15.59	186.4	3.395	55.53	44.87
#1	.0012	.0026	.0019	-.0001	.0003	.0000	.0013	.0001	.0002
#2	-.0003	-.0009	.0023	-.0003	.0003	.0000	.0014	.0000	.0002
#3	-.0008	-.0004	.0020	-.0006	.0003	-.0002	.0014	.0001	.0001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 4/5/2016 12:03:50 Type: QC
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2707.5	5134.4	41132.	4166.8
Stddev	6.0	7.9	270.	35.3
%RSD	.22320	.15377	.65542	.84821

#1	2711.4	5138.1	41230.	4199.5
#2	2700.5	5125.3	40827.	4129.3
#3	2710.6	5139.7	41339.	4171.8

Sample Name: FA32638-2 Acquired: 4/5/2016 12:08:20 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	.0001	.0518	-.0004	.0955	.0001	1.352	.0001	.0000	.0004
Stddev	.0007	.0152	.0006	.0001	.0000	.006	.0000	.0000	.0000
%RSD	1269.	29.39	153.4	.0582	18.69	.4649	61.75	177.4	10.14

#1	.0008	.0686	-.0010	.0954	.0001	1.356	.0000	.0001	.0004
#2	-.0006	.0481	.0002	.0955	.0001	1.344	.0001	.0000	.0005
#3	-.0001	.0389	-.0004	.0955	.0001	1.354	.0001	.0000	.0004

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_3710)	Na5895 (Y_2243)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.0011	.0072	2.351	4.864	.0145	-.0008	5.219	.0026	-.0002
Stddev	.0002	.0017	.018	.018	.0002	.0001	.026	.0001	.0009
%RSD	20.76	23.99	.7474	.3790	1.199	7.318	.5060	3.282	372.4

#1	.0014	.0085	2.333	4.880	.0147	-.0008	5.246	.0026	.0002
#2	.0011	.0053	2.368	4.844	.0144	-.0008	5.193	.0026	.0004
#3	.0009	.0079	2.353	4.868	.0143	-.0009	5.218	.0027	-.0013

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_3710)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	-.0006	-.0010	2.414	-.0003	.0285	.0000	.0003	.0002	.0352
Stddev	.0005	.0014	.007	.0003	.0002	.000	.0009	.0002	.0001
%RSD	91.55	141.2	.2925	122.4	.5527	1423.	290.1	154.0	.2758

#1	-.0001	-.0019	2.406	.0000	.0284	.0002	.0005	.0001	.0351
#2	-.0012	.0006	2.418	-.0002	.0287	.0000	.0011	.0004	.0353
#3	-.0006	-.0017	2.419	-.0006	.0285	-.0002	-.0007	.0000	.0352

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2656.0	5153.0	41588.	4287.5
Stddev	3.0	7.3	321.	19.6
%RSD	.11176	.14152	.77257	.45643

#1	2658.5	5160.1	41294.	4298.5
#2	2656.8	5153.2	41538.	4299.1
#3	2652.7	5145.6	41931.	4264.9

7.2
7

Sample Name: FA32638-3 Acquired: 4/5/2016 12:12:46 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	.0001	.0277	-.0010	.0140	.0000	.9733	-.0001	-.0001	.0003
Stddev	.0004	.0037	.0008	.0001	.000	.0058	.0000	.0002	.0000
%RSD	306.5	13.23	80.46	.6887	279.5	5949	23.29	163.7	15.50

#1	.0001	.0248	-.0005	.0142	-.0001	.9675	-.0001	.0001	.0003
#2	-.0002	.0318	-.0019	.0140	.0000	.9791	-.0001	-.0003	.0002
#3	.0005	.0266	-.0006	.0140	.0000	.9733	-.0001	-.0001	.0003

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_3710)	Na5895 (Y_2243)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.0010	.0843	1.181	1.004	.0037	-.0011	.9995	.0002	-.0001
Stddev	.0001	.0025	.020	.013	.0000	.0001	.0082	.0001	.0003
%RSD	5.196	2.983	1.715	1.325	.7618	4.515	.8236	43.20	370.3

#1	.0011	.0817	1.158	.9893	.0037	-.0011	.9904	.0002	-.0002
#2	.0010	.0867	1.196	1.015	.0037	-.0012	1.006	.0001	.0003
#3	.0010	.0844	1.189	1.009	.0037	-.0011	1.002	.0003	-.0003

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_3710)	Sr4077 (Y_3600)	Ti3349 (In2306)	Tl1908 (Y_3600)	V_2924 (Y_2243)	Zn2062 (Y_2243)
Avg	.0002	-.0006	2.623	-.0001	.0107	.0004	.0003	-.0001	.0175
Stddev	.0007	.0014	.007	.0002	.0000	.0008	.0010	.0000	.0001
%RSD	344.9	240.4	.2615	197.6	.3315	195.6	399.8	36.91	.3930

#1	.0007	.0011	2.630	.0001	.0107	.0000	-.0009	-.0001	.0174
#2	-.0006	-.0016	2.624	-.0004	.0108	-.0001	.0009	-.0002	.0174
#3	.0005	-.0013	2.616	-.0001	.0107	.0014	.0008	-.0001	.0175

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2690.3	5153.3	41756.	4262.4
Stddev	7.6	13.0	94.	21.2
%RSD	.28073	.25312	.22514	.49685

#1	2694.3	5151.1	41648.	4256.6
#2	2681.6	5141.5	41800.	4244.7
#3	2695.1	5167.3	41819.	4285.8

Sample Name: FA32638-4 Acquired: 4/5/2016 12:17:12 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	.0001	.1626	.0001	.0606	-.0001	4.563	-.0001	-.0001	.0085
Stddev	.0002	.0060	.0003	.0005	.0001	.002	.0000	.0001	.0004
%RSD	427.5	3.677	253.6	.7885	134.7	.0436	15.15	84.80	5.147

#1	.0000	.1560	-.0001	.0606	-.0001	4.562	-.0001	-.0001	.0089
#2	-.0002	.1675	.0004	.0611	-.0001	4.566	-.0001	-.0001	.0081
#3	.0003	.1645	.0000	.0601	.0000	4.562	-.0001	.0000	.0084

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_3710)	Na5895 (Y_2243)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.0019	.1272	4.706	3.983	.0296	-.0013	F 99.81	.0017	.0001
Stddev	.0002	.0014	.016	.027	.0000	.0001	.23	.0001	.0001
%RSD	10.93	1.101	.3494	.6831	.0900	6.532	.2324	6.495	75.36

#1	.0020	.1266	4.689	3.980	.0296	-.0013	99.68	.0018	.0000
#2	.0020	.1289	4.722	4.011	.0296	-.0012	100.1	.0017	.0002
#3	.0016	.1263	4.708	3.957	.0296	-.0014	99.67	.0016	.0002

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_3710)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.0003	.0008	4.809	-.0005	.0362	.0046	-.0003	.0002	.0174
Stddev	.0005	.0002	.006	.0004	.0002	.0001	.0008	.0002	.0001
%RSD	172.6	29.48	.1283	81.74	.5921	2.776	325.4	129.2	.4616

#1	-.0002	.0010	4.813	-.0009	.0360	.0045	.0000	.0000	.0174
#2	.0008	.0008	4.802	-.0001	.0363	.0047	.0004	.0001	.0174
#3	.0003	.0006	4.812	-.0004	.0364	.0046	-.0012	.0004	.0175

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2514.9	5144.4	40730.	4239.2
Stddev	3.4	21.1	107.	25.3
%RSD	.13672	.40926	.26246	.59687

#1	2513.0	5133.4	40815.	4211.6
#2	2518.8	5168.7	40764.	4261.4
#3	2512.8	5131.2	40610.	4244.5

Sample Name: FA32638-10 Acquired: 4/5/2016 12:21:37 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.103	-0.008	1.343	-0.001	6.524	0.000	-0.001	0.011
Stddev	0.003	0.068	0.010	0.007	0.000	0.022	0.000	0.001	0.001
%RSD	534.9	65.87	132.1	0.5039	13.56	0.3444	235.2	64.20	7.261
#1	-0.003	0.040	-0.019	1.335	-0.001	6.506	0.000	-0.001	0.010
#2	0.003	0.094	-0.003	1.348	-0.001	6.549	0.000	-0.002	0.011
#3	-0.003	0.175	-0.001	1.345	-0.001	6.517	0.000	0.000	0.012
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.005	-0.047	3.820	6.567	0.029	-0.013	19.11	0.008	-0.006
Stddev	0.002	0.034	0.024	0.009	0.000	0.002	0.07	0.001	0.002
%RSD	53.38	71.76	0.6263	0.1309	1.058	18.72	0.3713	8.720	24.64
#1	0.006	-0.060	3.793	6.567	0.029	-0.011	19.04	0.007	-0.007
#2	0.006	-0.073	3.828	6.559	0.029	-0.012	19.18	0.009	-0.008
#3	0.002	-0.009	3.839	6.576	0.030	-0.016	19.12	0.009	-0.005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.001	0.010	4.123	-0.006	0.732	-0.005	0.010	-0.001	0.201
Stddev	0.005	0.014	0.005	0.003	0.001	0.000	0.006	0.001	0.001
%RSD	874.7	143.3	0.1311	57.15	0.0968	4.762	55.25	101.0	452.0
#1	0.001	0.025	4.120	-0.002	0.732	-0.005	0.015	-0.001	0.202
#2	-0.006	0.005	4.119	-0.006	0.733	-0.005	0.012	0.000	0.200
#3	0.003	-0.001	4.129	-0.009	0.732	-0.004	0.004	-0.003	0.202
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2631.2	5113.5	4085.3	4161.3					
Stddev	4.5	3.8	200.	19.5					
%RSD	0.17123	0.07444	0.49030	0.46821					
#1	2626.8	5109.1	4064.8	4160.2					
#2	2631.2	5115.6	4086.1	4142.4					
#3	2635.8	5115.8	4104.9	4181.4					

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Sample Name: FA32638-11 Acquired: 4/5/2016 12:26:03 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	0.648	0.019	0.438	0.003	3.615	0.005	0.019	0.056
Stddev	0.003	0.106	0.009	0.003	0.000	0.015	0.000	0.001	0.001
%RSD	98.52	1.599	49.95	0.5969	15.27	0.4114	5.670	3.041	1.235
#1	-0.007	0.653	0.010	0.435	0.003	3.627	0.005	0.019	0.055
#2	-0.001	0.673	0.017	0.439	0.004	3.598	0.004	0.018	0.057
#3	-0.003	0.628	0.028	0.439	0.003	3.620	0.005	0.019	0.056
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.020	-0.065	4.944	12.40	0.026	-0.014	176.5	0.078	0.002
Stddev	0.001	0.010	0.026	0.08	0.000	0.001	1.6	0.001	0.007
%RSD	2.997	15.95	0.5353	0.6309	0.2442	5.395	0.8833	0.7648	457.2
#1	0.020	-0.062	4.925	12.45	0.026	-0.014	175.8	0.078	0.001
#2	0.021	-0.077	4.933	12.31	0.027	-0.015	175.4	0.079	0.009
#3	0.020	-0.057	4.975	12.44	0.026	-0.014	178.3	0.077	-0.005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.012	0.045	3.772	-0.008	0.299	-0.007	0.002	0.002	0.159
Stddev	0.005	0.017	0.005	0.001	0.002	0.001	0.015	0.000	0.003
%RSD	38.17	12.03	0.1252	14.60	0.5137	10.35	726.8	28.97	1.784
#1	-0.007	0.015	3.767	-0.009	0.300	-0.007	0.014	0.002	0.156
#2	-0.016	0.038	3.772	-0.008	0.297	-0.007	-0.014	0.002	0.152
#3	-0.013	0.032	3.777	-0.007	0.300	-0.008	0.006	0.001	0.158
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2415.0	6166.9	4847.4	5095.2					
Stddev	1.3	7.4	181.	31.7					
%RSD	0.05510	0.12018	0.37262	0.62138					
#1	2416.5	6158.7	4859.4	5085.9					
#2	2414.0	6168.8	4826.6	5130.5					
#3	2414.4	6173.1	4856.1	5069.2					

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Sample Name: FA32638-12 Acquired: 4/5/2016 12:30:35 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.000	0.1753	0.000	1.068	0.000	8.027	0.000	0.047	0.091
Stddev	0.000	0.073	0.004	0.001	0.000	0.070	0.000	0.001	0.002
%RSD	618.5	4.174	763.5	0.0918	434.9	8.747	97.40	2.216	1.815
#1	-0.001	0.1741	-0.001	1.069	0.000	8.087	0.000	0.048	0.093
#2	-0.002	0.1831	-0.005	1.067	0.000	8.043	0.000	0.046	0.090
#3	-0.000	0.1686	-0.002	1.068	0.000	7.950	0.000	0.047	0.090
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.017	0.015	3.541	1.779	0.062	-0.014	132.5	0.184	0.000
Stddev	0.003	0.033	0.019	0.027	0.002	0.000	4	0.002	0.001
%RSD	16.28	5.448	0.5285	1.529	0.3828	2.296	0.3158	1.120	442.6
#1	0.018	0.0593	3.560	1.809	0.060	-0.014	132.0	0.185	-0.002
#2	0.014	0.0598	3.540	1.756	0.065	-0.014	132.5	0.185	-0.008
#3	0.019	0.0653	3.523	1.772	0.061	-0.014	132.9	0.181	0.010
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.001	0.051	2.968	-0.003	0.083	0.006	0.007	0.002	0.042
Stddev	0.007	0.009	0.004	0.001	0.001	0.000	0.006	0.001	0.001
%RSD	681.1	18.56	0.1290	52.66	1.140	52.38	90.49	36.94	1.692
#1	-0.007	0.040	2.964	-0.004	0.081	0.009	0.013	0.003	0.042
#2	-0.003	0.056	2.968	-0.003	0.083	0.004	0.001	0.002	0.041
#3	0.008	0.057	2.971	-0.001	0.083	0.004	0.007	0.002	0.043
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2486.6	5025.3	3976.7	4168.5					
Stddev	3.8	3.1	168.	42.9					
%RSD	0.15417	0.06084	0.42228	1.0291					
#1	2486.3	5021.8	3996.0	4119.0					
#2	2490.6	5026.5	3965.9	4194.7					
#3	2483.0	5027.5	3968.1	4191.7					

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Sample Name: FA32638-13 Acquired: 4/5/2016 12:35:04 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.0625	-0.006	0.908	0.000	5.631	-0.001	-0.002	0.001
Stddev	0.003	0.032	0.004	0.003	0.000	0.052	0.000	0.001	0.001
%RSD	574.1	5.075	67.25	0.3276	79.06	9.262	83.38	39.57	109.7
#1	0.001	0.0641	-0.004	0.906	0.001	5.581	-0.001	-0.003	0.001
#2	-0.002	0.0588	-0.010	0.911	0.000	5.685	0.000	-0.002	0.002
#3	-0.004	0.0645	-0.002	0.908	0.000	5.626	0.000	-0.001	0.000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.007	0.051	2.000	3.199	0.0251	-0.014	2.670	0.043	-0.002
Stddev	0.001	0.017	0.037	0.037	0.001	0.001	0.026	0.002	0.005
%RSD	14.73	33.76	1.867	1.161	0.4293	5.821	0.9852	4.284	276.2
#1	0.007	0.03							

Sample Name: FA32638-1F Acquired: 4/5/2016 12:39:30 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0003	.0045	-0.0005	.0071	-0.0001	6.279	.0000	.0007	.0001
Stddev	.0002	.0079	.0009	.0002	.0000	.034	.000	.0001	.0001
%RSD	67.58	174.9	199.6	3.394	49.06	.5353	547.3	10.09	50.99
#1	.0005	.0014	-.0013	.0072	.0000	6.278	.0000	.0008	.0002
#2	.0001	-.0014	-.0006	.0071	-.0001	6.313	.0000	.0007	.0001
#3	.0003	.0135	.0005	.0068	-.0001	6.246	.0000	.0006	.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0048	-0.0044	1.830	2.156	.0168	-0.0010	3.775	.0010	-0.0003
Stddev	.0003	.0016	.025	.026	.0001	.0001	.008	.0001	.0002
%RSD	6.892	36.14	1.369	1.207	.3316	5.015	.2015	11.64	48.63
#1	.0046	-.0026	1.850	2.142	.0167	-.0011	3.783	.0009	-.0005
#2	.0052	-.0050	1.839	2.186	.0168	-.0010	3.775	.0011	-.0002
#3	.0046	-.0057	1.802	2.139	.0168	-.0010	3.767	.0009	-.0002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0001	-0.0006	7.466	-0.0005	.0490	-0.0007	.0001	.0001	.0137
Stddev	.0008	.0009	.019	.0002	.0003	.0001	.0005	.0000	.0001
%RSD	820.0	166.3	.2567	29.38	.5510	12.52	332.6	50.51	.6692
#1	-.0005	-.0006	7.444	-.0006	.0489	-.0006	.0001	.0001	.0137
#2	.0011	.0004	7.476	-.0004	.0493	-.0007	-.0003	.0000	.0136
#3	-.0002	-.0015	7.478	-.0007	.0488	-.0008	.0006	.0001	.0137
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2697.3	5184.6	41656.	4221.5					
Stddev	4.7	5.8	158.	41.1					
%RSD	.17461	.11274	.37879	.97323					
#1	2695.0	5189.2	41828.	4201.3					
#2	2702.7	5186.6	41620.	4194.5					
#3	2694.2	5178.0	41519.	4268.8					

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Sample Name: FA32638-2F Acquired: 4/5/2016 12:43:55 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.0441	-0.0002	.0965	.0000	1.283	.0000	-.0001	.0004
Stddev	.000	.0063	.0002	.0008	.0001	.004	.0000	.0001	.0001
%RSD	876.7	14.28	83.69	.8794	198.3	.3485	367.9	149.5	18.69
#1	.0002	.0373	-.0001	.0955	.0000	1.287	.0000	.0000	.0004
#2	.0001	.0454	-.0005	.0972	.0001	1.279	.0000	-.0001	.0003
#3	-.0003	.0496	-.0002	.0968	.0000	1.283	.0000	-.0001	.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0058	-0.0087	2.289	5.029	.0135	-0.0012	5.017	.0025	.0003
Stddev	.0002	.0021	.040	.007	.0000	.0001	.028	.0001	.0004
%RSD	4.308	23.59	1.763	.1337	.0677	10.57	.5613	4.966	147.3
#1	.0056	-.0111	2.246	5.023	.0135	-.0013	4.990	.0023	.0007
#2	.0057	-.0075	2.326	5.036	.0135	-.0012	5.014	.0025	.0001
#3	.0060	-.0076	2.295	5.027	.0135	-.0011	5.046	.0026	.0000
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0000	.0000	2.327	-0.0003	.0285	-0.0009	.0003	.0000	.0393
Stddev	.0006	.000	.002	.0004	.0002	.0001	.0009	.0002	.0000
%RSD	8969.	672.7	.0867	116.0	.8134	15.50	266.7	699.5	.0984
#1	.0003	.0001	2.326	-.0005	.0282	-.0009	-.0006	.0001	.0392
#2	.0004	.0001	2.329	-.0005	.0285	-.0007	.0003	-.0002	.0393
#3	-.0007	-.0003	2.325	.0001	.0287	-.0010	.0013	.0001	.0393
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2684.2	5208.0	41681.	4194.8					
Stddev	2.9	12.2	14.	14.9					
%RSD	.10810	.23353	.03318	.35538					
#1	2683.5	5210.8	41689.	4209.6					
#2	2687.3	5218.5	41665.	4179.8					
#3	2681.7	5194.7	41689.	4195.2					

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Sample Name: FA32638-3F Acquired: 4/5/2016 12:48:19 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0001	.0071	-0.0003	.0136	-0.0001	.9581	-0.0001	-0.0001	-0.0001
Stddev	.0002	.0035	.0008	.0001	.0001	.0020	.0000	.0001	.0001
%RSD	165.8	50.25	275.0	.5052	208.7	20.46	71.77	81.88	
#1	-.0004	.0033	-.0004	.0137	-.0002	.9594	-.0001	-.0002	.0000
#2	.0000	.0076	.0005	.0135	.0000	.9558	-.0001	-.0002	-.0002
#3	-.0001	.0103	-.0010	.0135	.0000	.9591	-.0001	-.0002	-.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0012	-0.0107	1.162	1.018	.0023	-0.0012	1.006	.0001	.0000
Stddev	.0001	.0025	.037	.013	.0000	.0001	.015	.0001	.000
%RSD	11.25	22.96	3.197	1.259	1.255	11.15	1.464	65.70	1049.
#1	.0011	-.0089	1.124	1.014	.0023	-.0012	.9933	.0002	-.0004
#2	.0010	-.0135	1.163	1.009	.0023	-.0013	1.022	.0000	.0002
#3	.0013	-.0098	1.198	1.033	.0023	-.0011	1.004	.0001	.0001
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.0001	-0.0005	2.546	-0.0005	.0104	-0.0009	.0002	-0.0001	.0161
Stddev	.0009	.0015	.007	.0001	.0001	.0001	.0007	.0001	.0001
%RSD	753.4	291.4	.2953	19.58	1.221	9.345	323.5	174.9	.7097
#1	.0005	-.0005	2.539	-.0004	.0103	-.0010	.0001	.0001	.0160
#2	.0003	-.0020	2.546	-.0006	.0106	-.0009	-.0003	-.0002	.0162
#3	-.0012	.0010	2.554	-.0004	.0104	-.0008	.0000	-.0002	.0160
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2719.6	5219.9	41932.	4197.0					
Stddev	3.5	11.7	84.	12.0					
%RSD	.12753	.22377	.20037	.28579					
#1	2722.3	5232.0	41997.	4210.3					
#2	2715.7	5208.7	41837.	4187.0					
#3	2720.8	5219.1	41963.	4193.6					

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Sample Name: CCV Acquired: 4/5/2016 12:52:46 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.620	40.88	2.077	2.056	2.053	41.56	2.103	2.085	2.094
Stddev	.0001	.16	.006	.006	.002	.10	.001	.003	.005
%RSD	.0348	.3875	.3077	.2929	.1179	.2419	.0444	.1360	.2607
#1	.2620	40.72	2.071	2.049	2.052	41.46	2.102	2.082	2.096
#2	.2621	41.04	2.075	2.061	2.056	41.66	2.103	2.086	2.098
#3	.2619	40.89	2.084	2.057	2.052	41.58	2.104	2.088	2.088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.046	40.28							

Sample Name: CCV Acquired: 4/5/2016 12:52:46 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2366.0	4962.1	3979.2	4124.0
Stddev	12.0	13.8	109.	7.0
%RSD	.50719	.27773	.27393	.16897
#1	2369.8	4976.7	39709.	4125.1
#2	2375.7	4960.3	39751.	4130.4
#3	2352.6	4949.3	39915.	4116.6

Sample Name: CCB Acquired: 4/5/2016 12:57:06 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.005	.0081	.0001	.0002	.0002	.0043	.0001	.0000	.0000
Stddev	.0006	.0077	.0006	.0003	.0001	.0021	.0000	.0001	.0001
%RSD	136.0	94.42	716.2	139.0	54.14	48.13	49.03	424.7	267.1
#1	-0.003	.0155	.0008	-0.001	.0001	.0022	.0001	.0001	.0001
#2	-0.012	.0002	-0.004	.0003	.0002	.0063	.0000	.0000	-0.001
#3	.0001	.0087	-0.001	.0004	.0001	.0045	.0000	-0.001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0004	.0012	-0.074	.0184	.0002	-0.002	.0213	.0001	.0000
Stddev	.0001	.0017	.0079	.0055	.0000	.0003	.0059	.0000	.0000
%RSD	34.02	141.4	16.73	30.10	3.948	166.9	27.44	44.67	132.1
#1	.0003	.0007	-0.041	.0157	.0002	.0002	.0196	.0001	.0000
#2	.0003	.0030	-0.063	.0148	.0002	-0.003	.0166	.0002	-0.001
#3	.0005	-0.002	-0.058	.0248	.0002	-0.004	.0279	.0001	-0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0003	-0.009	.0029	-0.002	.0003	-0.001	.0009	.0000	.0001
Stddev	.0005	.0006	.0014	.0001	.0000	.0001	.0010	.0000	.0000
%RSD	171.7	71.49	48.48	81.91	6.773	128.7	109.4	419.9	13.14
#1	-0.003	-0.010	.0022	.0000	.0003	.0000	.0018	.0000	.0001
#2	.0004	-0.014	.0019	-0.003	.0003	-0.001	-0.001	.0000	.0001
#3	.0007	-0.002	.0045	-0.002	.0003	-0.001	.0010	.0000	.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.2
7

Sample Name: CCB Acquired: 4/5/2016 12:57:06 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2719.5	5242.4	41699.	4157.4
Stddev	5.0	5.8	184.	29.8
%RSD	.18549	.11079	.44243	.71679
#1	2713.7	5248.9	41906.	4176.8
#2	2722.1	5240.9	41635.	4172.5
#3	2722.8	5237.6	41554.	4123.1

Sample Name: FA32638-4F Acquired: 4/5/2016 13:01:36 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-0.000	.0566	-0.001	.0581	.0000	4.359	.0000	-0.001	.0057
Stddev	.0006	.0081	.0012	.0003	.000	.021	.000	.0001	.0003
%RSD	2138.	14.23	2133.	4328	119.9	.4901	65.64	48.45	5.939
#1	-0.001	.0648	.0001	.0578	.0000	4.335	.0000	-0.002	.0061
#2	.0007	.0487	.0010	.0583	-0.001	4.366	.0000	-0.001	.0057
#3	-0.005	.0563	-0.013	.0582	.0000	4.377	-0.001	-0.001	.0054

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.0034	-0.015	4.534	3.884	.0121	-0.009	F 96.23	.0011	-0.001
Stddev	.0003	.0026	.081	.035	.0000	.0002	.11	.0002	.0005
%RSD	7.798	176.2	1.786	.9083	.0486	17.22	.1186	18.85	924.3
#1	.0033	-0.036	4.456	3.914	.0121	-0.008	96.15	.0009	-0.005
#2	.0032	-0.024	4.529	3.845	.0121	-0.009	96.17	.0013	.0005
#3	.0037	.0015	4.618	3.894	.0121	-0.011	96.36	.0012	-0.001

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	-0.004	-0.002	4.534	.0001	.0346	-0.005	.0000	.0001	.0201
Stddev	.0004	.0012	.003	.0002	.0001	.0000	.0007	.0000	.0001
%RSD	94.60	643.5	.0690	433.8	.3655	2.133	2668.	31.82	.3495
#1	.0000	-0.004	4.531	.0002	.0346	-0.005	-0.001	.0000	.0201
#2	-0.008	.0011	4.536	.0002	.0345	-0.005	.0007	.0001	.0202
#3	-0.004	-0.012	4.536	-0.002	.0347	-0.005	-0.006	.0001	.0200

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2548.2	5241.1	41104.	4247.8
Stddev	11.0	10.0	154.	24.4
%RSD	.43288	.19135	.37540	.57452
#1	2553.5	5239.9	41007.	4239.7
#2	2535.5	5231.7	41282.	4275.2
#3	2555.5	5251.6	41022.	4228.5

Sample Name: FA32638-10F Acquired: 4/5/2016 13:06:03 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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Sample Name: FA32638-12F Acquired: 4/5/2016 13:15:04 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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Sample Name: FA32638-11F Acquired: 4/5/2016 13:10:29 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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Sample Name: FA32623-1 Acquired: 4/5/2016 13:19:31 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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Sample Name: CCV Acquired: 4/5/2016 13:40:00 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2378.5	4964.8	39718.	4051.2
Stddev	3.0	7.0	178.	10.7
%RSD	.12745	.14056	.44823	.26501
#1	2377.0	4962.4	39627.	4041.9
#2	2381.9	4959.4	39603.	4048.8
#3	2376.4	4972.7	39923.	4063.0

Sample Name: CCB Acquired: 4/5/2016 13:44:20 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.001	0.019	0.003	0.001	0.001	0.082	0.001	0.001	-0.001
Stddev	.0004	.0049	.0005	.0002	.0000	.0020	.0000	.0000	.0001
%RSD	719.5	259.2	157.3	170.9	23.48	24.90	22.72	92.60	54.17
#1	.0004	.0059	.0009	.0002	.0001	.0060	.0001	.0001	-0.001
#2	-0.004	.0033	-0.001	-0.001	.0001	.0088	.0001	.0000	-0.001
#3	-0.002	-0.035	.0002	.0003	.0001	.0099	.0001	.0002	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	0.001	0.023	0.025	0.029	0.001	-0.002	0.045	0.001	-0.001
Stddev	.0001	.0034	.0203	.0025	.0000	.0003	.0032	.0001	.0002
%RSD	78.83	149.0	38.71	9.948	12.82	135.6	6.824	143.9	114.4
#1	.0003	.0051	.0454	.0225	.0001	.0001	.0469	.0001	.0000
#2	.0000	-0.015	.0755	.0274	.0001	-0.002	.0495	.0001	-0.003
#3	.0001	.0032	.0367	.0247	.0001	-0.005	.0431	.0000	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	-0.002	0.002	0.029	-0.002	0.002	0.000	0.003	0.001	0.002
Stddev	.0012	.0020	.0003	.0004	.0001	.000	.0002	.0001	.0000
%RSD	605.5	894.5	11.67	263.6	29.97	309.5	75.44	78.76	26.04
#1	.0011	.0005	.0029	-0.002	.0003	.0000	.0000	.0001	.0002
#2	-0.006	-0.019	.0032	-0.006	.0002	.0000	.0004	.0000	.0001
#3	-0.011	.0021	.0025	.0003	.0001	-0.002	.0003	.0001	.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.2
7

Sample Name: CCB Acquired: 4/5/2016 13:44:20 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2703.2	5212.0	41450.	4153.3
Stddev	7.3	2.2	141.	14.2
%RSD	.27167	.04197	.33929	.34244
#1	2695.0	5211.9	41568.	4138.8
#2	2709.1	5214.2	41488.	4153.7
#3	2705.6	5209.9	41295.	4167.3

Sample Name: ICV Acquired: 4/5/2016 14:14:15 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	2.424	41.55	1.958	2.055	2.054	42.67	2.014	2.022	2.005
Stddev	.0004	.03	.002	.003	.004	.07	.001	.003	.005
%RSD	.1603	.0711	.0930	.1591	.1909	.1579	.0610	.1416	.2297
#1	.2429	41.55	1.959	2.052	2.051	42.71	2.014	2.021	2.007
#2	.2421	41.59	1.959	2.058	2.059	42.70	2.016	2.020	2.009
#3	.2423	41.53	1.956	2.057	2.052	42.59	2.013	2.026	2.000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	1.986	42.38	42.04	42.90	2.051	1.931	42.48	2.022	1.996
Stddev	.006	.09	.06	.23	.017	.003	.08	.001	.006
%RSD	.2874	.2222	.1473	.5352	.8079	.1328	.1980	.0558	.2891
#1	1.992	42.46	42.00	43.15	2.043	1.931	42.46	2.022	1.998
#2	1.980	42.41	42.11	42.84	2.040	1.929	42.58	2.024	2.001
#3	1.987	42.28	42.02	42.71	2.070	1.934	42.41	2.022	1.990

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	1.984	2.004	1.323	2.055	1.946	1.963	2.059	1.902	2.023
Stddev	.007	.004	.0009	.001	.003	.006	.007	.003	.007
%RSD	.3791	.2000	.6580	.0537	.1580	.3162	.3644	.1337	.3457
#1	1.982	2.001	.1328	2.054	1.944	1.969	2.054	1.904	2.025
#2	1.977	2.004	.1313	2.056	1.950	1.957	2.068	1.902	2.029
#3	1.992	2.009	.1329	2.055	1.945	1.963	2.055	1.899	2.015

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 4/5/2016 14:14:15 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2358.0	4970.8	39709.	4008.9
Stddev	3.0	5.8	138.	33.5
%RSD	.12814	.11635	.34674	.83661
#1	2360.8	4976.0	39551.	3970.2
#2	2354.8	4971.9	39774.	4027.0
#3	2358.3	4964.6	39802.	4029.4

Sample Name: CCV Acquired: 4/5/2016 14:20:26 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.2576	40.89	1.988	2.050	2.042	40.62	2.022	2.028	2.038
Stddev	.0009	.09	.005	.009	.004	.15	.003	.004	.001
%RSD	.3399	.2226	.2638	.4201	.2126	.3586	.1500	.1767	.0294
#1	.2585	40.92	1.994	2.053	2.043	40.62	2.025	2.031	2.039
#2	.2568	40.79	1.986	2.040	2.038	40.48	2.022	2.028	2.038
#3	.2576	40.96	1.984	2.056	2.046	40.77	2.019	2.024	2.038

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	2.028	40.23	40.38	41.33	2.016	2.030	40.43	2.010	2.001
Stddev	.005	.11	.25	.09	.017	.002	.18	.004	.003
%RSD	.2570	.2848	.6310	.2161	.8183	.0988	.4405	.1973	.1243
#1	2.030	40.20	40.38	41.28	2.034	2.029	40.43	2.015	2.000
#2	2.032	40.14	40.13	41.27	2.013	2.032	40.25	2.008	2.004
#3	2.022	40.36	40.64	41.43	2.002	2.029	40.61	2.008	1.999

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	1.990	2.002	2.267	2.045	2.022	2.023	2.013	2.016	2.004
Stddev	.001	.005	.003	.004	.007	.003	.001	.002	.007
%RSD	.0692	.2591	.1475	.1912	.3640	.1544	.0720	.0847	.3418
#1	1.989	2.005	2.271	2.050	2.027	2.027	2.013	2.017	2.012
#2	1.991	2.005	2.266	2.042	2.013	2.022	2.011	2.015	1.999
#3	1.989	1.996	2.265	2.044	2.025	2.022	2.014	2.018	2.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

7.2
7

Sample Name: CCV Acquired: 4/5/2016 14:20:26 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2368.5	5034.2	39999.	4050.2
Stddev	2.3	4.8	182.	23.1
%RSD	.09679	.09631	.45407	.56913
#1	2367.6	5032.1	39812.	4075.9
#2	2371.1	5039.7	40175.	4043.4
#3	2366.8	5030.8	40008.	4031.4

Sample Name: CCB Acquired: 4/5/2016 14:28:30 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0001	.0068	.0008	.0002	.0001	-.0003	.0001	.0000	.0000
Stddev	.0004	.0044	.0013	.0000	.0000	.0006	.0001	.0001	.0001
%RSD	289.2	64.70	158.4	29.14	38.94	187.4	38.65	309.9	312.6
#1	-.0002	.0025	-.0006	.0002	.0001	-.0005	.0002	.0000	.0002
#2	.0005	.0113	.0020	.0002	.0001	.0004	.0001	.0000	-.0001
#3	.0000	.0066	.0011	.0001	.0001	-.0009	.0001	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0004	.0035	.0240	.0120	.0001	.0007	-.0145	.0001	-.0002
Stddev	.0002	.0035	.0178	.0225	.0000	.0001	.0072	.0001	.0001
%RSD	54.11	100.5	74.26	187.1	35.57	13.16	49.83	59.61	34.32
#1	.0003	.0019	.0242	-.0137	.0001	.0006	-.0077	.0002	-.0002
#2	.0002	.0010	.0060	.0282	.0002	.0007	-.0137	.0001	-.0001
#3	.0006	.0075	.0416	.0217	.0002	.0007	-.0220	.0001	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0018	.0003	-.0006	.0003	.0001	.0005	.0004	.0001	.0001
Stddev	.0006	.0011	.0002	.0002	.0000	.0001	.0001	.0001	.0000
%RSD	35.07	388.4	30.10	88.19	18.40	17.98	25.60	92.41	18.58
#1	.0024	.0006	-.0008	.0005	.0001	.0006	.0003	.0003	.0001
#2	.0012	.0012	-.0004	.0004	.0001	.0005	.0005	.0001	.0001
#3	.0016	-.0009	-.0006	.0000	.0002	.0004	.0003	.0000	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/5/2016 14:28:30 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2715.8	5281.3	4152.3	4052.3
Stddev	5.2	5.7	254.	14.1
%RSD	.19241	.10763	.61071	.34723
#1	2718.5	5286.4	41742.	4036.0
#2	2709.8	5282.2	41583.	4060.2
#3	2719.2	5275.2	41245.	4060.6

Sample Name: MP30207-MB1 Acquired: 4/5/2016 14:36:53 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0015	.0174	.0011	-.0003	.0001	.0351	.0001	-.0001	.0015
Stddev	.0007	.0044	.0020	.0006	.0003	.0107	.0001	.0004	.0004
%RSD	49.90	25.08	175.4	235.8	224.6	30.63	130.5	361.7	28.16
#1	.0009	.0181	-.0002	.0001	.0001	.0313	.0001	.0003	.0015
#2	.0023	.0214	.0034	.0001	.0005	.0472	.0001	-.0005	.0019
#3	.0012	.0128	.0002	-.0010	-.0001	.0267	.0000	-.0002	.0011

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0009	.0245	.0731	.0620	.0006	.0018	-.0398	.0003	-.0016
Stddev	.0013	.0014	.0865	.0363	.0001	.0001	.0146	.0011	.0009
%RSD	150.2	5.635	118.3	58.49	14.64	5.707	36.79	344.8	56.60
#1	.0019	.0259	.1406	.0925	.0005	.0018	-.0335	.0013	-.0011
#2	.0014	.0232	.1031	.0219	.0006	.0019	-.0293	.0005	-.0027
#3	-.0006	.0243	-.0244	.0717	.0007	.0017	-.0565	-.0009	-.0011

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0022	-.0036	.0077	F .0539	.0002	.0018	-.0002	-.0003	F .0310
Stddev	.0031	.0033	.0022	.0001	.0004	.0004	.0031	.0010	.0002
%RSD	142.6	91.75	28.72	.1336	248.1	21.03	1317.	351.8	.4950
#1	.0057	-.0074	.0095	.0538	.0006	.0021	-.0017	-.0013	.0311
#2	.0010	-.0022	.0082	.0539	.0001	.0018	-.0024	-.0002	.0310
#3	-.0002	-.0013	.0052	.0539	-.0002	.0014	.0033	.0007	.0308

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail
 High Limit .0250
 Low Limit -.0250

7.2
7

Sample Name: MP30207-MB1 Acquired: 4/5/2016 14:36:53 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2708.5	5363.3	4229.4	4136.2
Stddev	1.2	1.9	416.	17.0
%RSD	.04364	.03518	.98421	.41020
#1	2707.5	5365.3	41921.	4154.3
#2	2709.8	5361.6	42743.	4133.5
#3	2708.3	5362.9	42216.	4120.7

Sample Name: MP30207-B1 Acquired: 4/5/2016 14:41:24 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0442	28.66	1.867	2.022	.0515	26.44	.0498	.5020	.2049
Stddev	.0018	.10	.005	.008	.0004	.08	.0002	.0006	.0015
%RSD	4.149	.3586	.2754	.4134	.6854	.3125	.4954	.1155	.7415
#1	.0463	28.76	1.871	2.031	.0511	26.50	.0500	.5019	.2057
#2	.0430	28.56	1.870	2.016	.0516	26.35	.0495	.5026	.2031
#3	.0434	28.67	1.862	2.017	.0518	26.48	.0498	.5014	.2058

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.2568	28.02	25.99	27.27	.5271	.4968	26.18	.5039	.4734
Stddev	.0019	.07	.06	.20	.0016	.0008	.08	.0012	.0024
%RSD	.7540	.2401	.2293	.7358	.3009	.1513	.3027	.2407	.5098
#1	.2550	28.08	26.01	27.28	.5279	.4968	26.19	.5042	.4729
#2	.2567	27.95	25.92	27.06	.5253	.4961	26.10	.5049	.4713
#3	.2588	28.02	26.02	27.46	.5280	.4976	26.26	.5026	.4760

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.4642	1.888	.0203	.5675	.4976	.5098	1.926	.4748	.5330
Stddev	.0025	.016	.0010	.0013	.0019	.0029	.013	.0021	.0021
%RSD	.5303	.8228	4.866	.2344	.3795	.5750	.6517	.4427	.3858
#1	.4671	1.890	.0200	.5686	.4997	.5105	1.919	.4766	.5307
#2	.4628	1.902	.0196	.5677	.4961	.5065	1.919	.4753	.5347
#3	.4628	1.871	.0214	.5660	.4970	.5123	1.941	.4725	.5337

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30207-B1 Acquired: 4/5/2016 14:41:24 Type: QC
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2676.5	5366.2	4187.8	4089.9
Stddev	6.9	1.5	250.	22.2
%RSD	.25964	.02881	.59778	.54386
#1	2676.5	5367.3	41801.	4074.9
#2	2683.5	5367.0	42158.	4115.5
#3	2669.6	5364.4	41676.	4079.5

Sample Name: FA31671-1 Acquired: 4/5/2016 14:45:43 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0009	310.2	.0515	2.666	.0091	51.55	-.0014	.0820	4.843
Stddev	.0012	.3	.0016	.009	.0003	.17	.0002	.0003	.0022
%RSD	128.9	.0869	3.072	.3368	3.253	.3282	13.51	.3880	.4452
#1	.0023	310.3	.0508	2.675	.0093	51.38	-.0013	.0820	4.830
#2	.0005	309.9	.0533	2.666	.0093	51.72	-.0014	.0817	4.831
#3	.0000	310.4	.0504	2.657	.0088	51.56	-.0017	.0824	4.868
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.256	262.0	20.41	26.32	6.683	.0135	2.463	.2815	3.168
Stddev	.010	.5	.15	.14	.006	.0007	.038	.0006	.010
%RSD	.2965	.1752	.7165	.5495	.0832	5.473	1.548	.2023	.3196
#1	3.247	261.5	20.53	26.19	6.682	.0143	2.502	.2822	3.167
#2	3.266	262.0	20.45	26.29	6.677	.0133	2.426	.2812	3.179
#3	3.255	262.4	20.25	26.47	6.688	.0129	2.461	.2811	3.159
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0110	.0023	3.157	.0420	.7968	8.716	.0024	.6039	.5519
Stddev	.0014	.0094	.009	.0009	.0001	.005	.0028	.0016	.0013
%RSD	12.73	417.4	.2899	2.250	.0173	.0635	118.0	.2660	.2337
#1	.0098	.0098	3.155	.0413	.7967	8.720	.0006	.6054	.5505
#2	.0106	-.0083	3.149	.0417	.7968	8.718	.0009	.6039	.5529
#3	.0125	.0054	3.167	.0431	.7970	8.710	.0056	.6022	.5524
Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710					
Avg	2630.5	5506.1	4305.9	4232.1					
Stddev	2.2	14.0	98.	26.7					
%RSD	.08191	.25419	.22866	.63124					
#1	2632.5	5515.8	4301.6	4243.6					
#2	2628.2	5512.5	4317.2	4201.5					
#3	2630.7	5490.0	4299.0	4251.1					

7.2
7

Sample Name: MP30207-D1 Acquired: 4/5/2016 14:50:04 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0003	297.0	.0479	2.492	.0086	48.18	-.0015	.0773	4.586
Stddev	.0013	.8	.0034	.016	.0004	.13	.0001	.0001	.0016
%RSD	382.5	.2572	7.183	.6557	4.160	.2755	7.496	.1418	.3586
#1	-.0003	296.4	.0441	2.478	.0089	48.11	-.0014	.0774	4.579
#2	.0018	297.9	.0508	2.510	.0087	48.34	-.0016	.0772	4.574
#3	-.0005	296.8	.0489	2.488	.0082	48.11	-.0014	.0774	4.605
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.026	245.4	19.61	24.51	6.142	.0131	2.568	.2713	2.953
Stddev	.007	.6	.11	.16	.036	.0005	.037	.0004	.009
%RSD	.2340	.2534	.5513	.6601	.5861	3.635	1.444	.1543	.2926
#1	3.027	245.0	19.57	24.34	6.151	.0132	2.578	.2711	2.961
#2	3.032	246.2	19.53	24.67	6.103	.0127	2.527	.2709	2.943
#3	3.018	245.2	19.73	24.52	6.173	.0136	2.600	.2717	2.954
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0058	-.0003	3.976	.0395	.7390	8.880	-.0025	.5677	.5418
Stddev	.0053	.0097	.006	.0022	.0026	.029	.0033	.0033	.0069
%RSD	91.54	303.6	.1448	5.627	.3492	.3305	131.7	.5842	1.278
#1	.0016	.0031	3.983	.0387	.7386	8.877	-.0044	.5675	.5348
#2	.0118	-.0113	3.973	.0378	.7418	8.852	-.0045	.5646	.5421
#3	.0040	.0072	3.973	.0421	.7367	8.911	.0013	.5712	.5486
Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710					
Avg	2611.1	5467.6	4294.0	4265.5					
Stddev	4.6	2.2	191.	10.6					
%RSD	.17767	.04055	.44478	.24793					
#1	2609.2	5466.4	4300.2	4277.3					
#2	2607.7	5466.3	4309.3	4256.8					
#3	2616.4	5470.2	4272.6	4262.5					

Sample Name: MP30207-D2 Acquired: 4/5/2016 14:54:24 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0009	304.2	.0465	2.575	.0088	49.67	-.0017	.0785	4.749
Stddev	.0016	.9	.0033	.011	.0002	.16	.0002	.0010	.0018
%RSD	186.5	.2956	7.103	.4346	2.477	.3149	9.831	1.257	.3861
#1	.0010	303.2	.0458	2.562	.0086	49.50	-.0017	.0774	4.764
#2	-.0017	304.9	.0501	2.582	.0088	49.81	-.0018	.0793	4.754
#3	-.0018	304.5	.0436	2.581	.0091	49.71	-.0015	.0788	4.728
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.120	253.3	19.71	25.43	6.375	.0120	2.343	.2757	3.122
Stddev	.009	.6	.11	.06	.005	.0008	.022	.0002	.006
%RSD	.2851	.2339	.5679	.2390	.0822	6.841	.9493	.0847	.2080
#1	3.112	252.6	19.70	25.42	6.381	.0124	2.318	.2757	3.118
#2	3.129	253.6	19.82	25.50	6.372	.0126	2.351	.2755	3.118
#3	3.118	253.7	19.60	25.37	6.373	.0111	2.361	.2760	3.130
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0121	-.0014	3.963	.0417	.7598	8.857	.0017	.5823	.5335
Stddev	.0039	.0033	.010	.0015	.0036	.005	.0068	.0016	.0008
%RSD	31.85	243.9	.2452	3.556	.4702	.0529	414.3	.2752	.1526
#1	.0077	-.0051	3.954	.0423	.7557	8.858	.0053	.5823	.5326
#2	.0144	-.0013	3.973	.0428	.7626	8.852	.0059	.5838	.5341
#3	.0143	-.0003	3.960	.0400	.7609	8.861	-.0062	.5806	.5337
Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710					
Avg	2633.7	5508.7	4296.9	4257.4					
Stddev	5.5	5.3	60.	11.0					
%RSD	.21012	.09637	.13981	.25725					
#1	2630.1	5505.9	4302.8	4255.0					
#2	2640.1	5514.8	4290.8	4269.4					
#3	2630.9	5505.3	4297.2	4247.9					

Sample Name: MP30207-SD1 Acquired: 4/5/2016 14:58:43 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0042	410.6	.0670	3.243	.0107	54.83	-.0025	.0937	.6326
Stddev	.0027	3.4	.0032	.020	.0016	.37	.0017	.0011	.0721
%RSD	534.4	.8265	4.777	.6161	15.00	.6687	70.54	1.123	11.40
#1	.0283	412.8	.0646	3.263	.0100	55.19	-.0013	.0949	.6205
#2	.0012	412.3	.0707	3.243	.0126	54.46	-.0016	.0933	.7100
#3	-.0168	406.7	.0658	3.223	.0096	54.83	-.0044	.0929	.5673
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.275	279.1	38.50	30.74	6.950	.0152	16.81	.3559	3.102
Stddev	.007	.5	.35	.15	.009	.0010	1.37	.0071	.013
%RSD	.2213	.1970	.9074	.4877	.1245	6.723	8.141	2.002	.4231
#1	3.275	279.8	38.86	30.73	6.952	.0141	17.01	.3561	3.087
#2	3.268	279.0	38.48	30.90	6.941	.0161	18.07	.3486	3.113
#3	3.282	278.7	38.17	30.60	6.958	.0155	15.35	.3629	3.106
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0355	.0134	258.7	.0489	.8900	15.21	.0050	.6632	.7722
Stddev	.0069	.0518	5.4	.0041	.0054	.15	.0076	.0104	.0042
%RSD	19.56	386.1	2.086	8.356	.6042	1.002	153.3	1.568	.5421
#1	.0275	.0093	262.8	.0508	.8957	15.29	.0133	.6642	.7711
#2	.0396	.0671	260.6	.0517	.8851	15.32	-.0014	.6731	.7768
#3	.0394	-.0362	252.6	.0442	.8891	15.04	.0029	.6524	.7686
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2701.7	5431.9	42299.	4117.7					
Stddev	2.2	12.5	51.	23.5					
%RSD	.07962	.22982	.12157	.57063					
#1	2703.5	5417.5	42325.	4097.6					
#2	2702.1	5437.6	42240.	4143.6					
#3	2699.3	5440.4	42334.	4112.0					

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Sample Name: MP30207-PS1 Acquired: 4/5/2016 15:03:06 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0461	316.8	.1490	2.964	.0600	57.19	.0478	.1327	.5441
Stddev	.0017	.4	.0016	.014	.0004	.02	.0003	.0006	.0002
%RSD	3.719	.1280	1.094	.4709	.6043	.0379	.7078	.4370	.0284
#1	.0463	317.0	.1498	2.949	.0604	57.19	.0481	.1326	.5440
#2	.0444	316.3	.1471	2.968	.0598	57.17	.0479	.1321	.5440
#3	.0478	317.1	.1501	2.976	.0598	57.21	.0474	.1333	.5443
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.414	268.1	30.54	31.57	6.852	.1109	12.42	.3825	3.275
Stddev	.014	.2	.05	.14	.017	.0010	.02	.0010	.003
%RSD	.4175	.0576	.1533	.4458	.2514	.8678	.1967	.2703	.0977
#1	3.404	268.0	30.58	31.67	6.835	.1119	12.44	.3836	3.274
#2	3.430	268.3	30.55	31.63	6.850	.1100	12.43	.3821	3.273
#3	3.407	268.2	30.49	31.41	6.870	.1108	12.40	.3817	3.279
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1124	.0961	3.335	.0918	.8533	8.984	.0918	.6604	.7992
Stddev	.0028	.0043	.002	.0019	.0045	.022	.0067	.0027	.0019
%RSD	2.528	4.504	.0722	2.093	.5239	.2489	7.332	.4106	.2407
#1	.1092	.0938	3.336	.0902	.8493	8.958	.0924	.6581	.8012
#2	.1131	.0934	3.332	.0912	.8526	8.995	.0982	.6597	.7974
#3	.1148	.1011	3.336	.0939	.8581	8.998	.0848	.6634	.7990
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2612.1	5508.2	42721.	4221.9					
Stddev	1.1	11.3	76.	37.2					
%RSD	.04122	.20598	.17892	.88097					
#1	2612.5	5504.6	42801.	4180.2					
#2	2612.9	5521.0	42714.	4251.7					
#3	2610.8	5499.2	42648.	4233.7					

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7.2
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Sample Name: MP30207-S1 Acquired: 4/5/2016 15:07:25 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0476	387.4	1.911	4.943	.0642	80.91	.0497	.6039	.7309
Stddev	.0013	.5	.007	.009	.0004	.03	.0004	.0013	.0015
%RSD	2.645	.1361	.3885	.1831	.6483	.0417	.8692	.2215	.2059
#1	.0490	388.0	1.904	4.937	.0638	80.94	.0501	.6040	.7292
#2	.0466	387.1	1.918	4.939	.0642	80.88	.0492	.6051	.7320
#3	.0472	387.1	1.909	4.953	.0646	80.92	.0497	.6024	.7314
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.618	300.8	48.21	56.27	7.272	.4837	30.20	.8358	3.763
Stddev	.004	.3	.13	.31	.011	.0010	.08	.0034	.012
%RSD	.1186	.1113	.2603	.5492	.1485	.2069	.2722	.4026	.3231
#1	3.622	300.5	48.33	56.50	7.260	.4828	30.20	.8387	3.765
#2	3.613	300.7	48.08	55.92	7.279	.4836	30.12	.8366	3.773
#3	3.618	301.2	48.22	56.39	7.277	.4848	30.29	.8321	3.749
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1626	1.939	4.669	.5434	1.333	9.922	2.042	1.117	1.091
Stddev	.0033	.013	.011	.0023	.003	.008	.010	.004	.002
%RSD	2.025	.6589	.2326	.4258	.2296	.0814	.4697	.3808	.1648
#1	.1607	1.953	4.677	.5434	1.330	9.913	2.034	1.116	1.091
#2	.1607	1.930	4.674	.5458	1.336	9.929	2.053	1.122	1.092
#3	.1664	1.934	4.657	.5412	1.333	9.924	2.039	1.114	1.089
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2567.1	5498.2	42918.	4287.3					
Stddev	6.6	9.2	174.	29.2					
%RSD	.25872	.16770	.40632	.68187					
#1	2568.5	5494.2	43114.	4254.6					
#2	2559.9	5491.8	42780.	4310.9					
#3	2573.0	5508.8	42861.	4296.4					

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Sample Name: MP30207-S2 Acquired: 4/5/2016 15:11:42 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0450	374.8	1.799	4.732	.0607	78.03	.0465	.5717	.6951
Stddev	.0014	2.3	.007	.037	.0001	.03	.0004	.0007	.0012
%RSD	3.014	.6056	.3746	.7805	.1338	.4715	.9444	.1305	.1747
#1	.0466	377.4	1.795	4.775	.0608	78.45	.0460	.5723	.6943
#2	.0443	373.4	1.795	4.709	.0606	77.80	.0465	.5709	.6965
#3	.0441	373.5	1.807	4.713	.0607	77.83	.0468	.5720	.6946
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.503	291.7	45.78	54.63	7.039	.4576	29.04	.7913	3.624
Stddev	.008	1.8	.12	.21	.013	.0008	.13	.0017	.002
%RSD	.2196	.6307	.2676	.3873	.1835	.1686	.4342	.2113	.0638
#1	3.496	293.8	45.92	54.87	7.045	.4573	29.19	.7895	3.626
#2	3.511	291.0	45.69	54.53	7.049	.4570	28.99	.7919	3.625
#3	3.501	290.4	45.72	54.48	7.025	.4585	28.95	.7926	3.622
Elem									

Sample Name: FA31671-5 Acquired: 4/5/2016 15:15:59 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	202.1	.0427	.7439	.0054	16.73	-.0026	.0436	.3793
Stddev	.0010	.4	.0031	.0013	.0002	.03	.0002	.0006	.0016
%RSD	488.6	.1878	7.199	.1691	3.531	.1522	7.711	1.444	.4292
#1	.0003	202.1	.0436	.7426	.0052	16.70	-.0027	.0436	.3809
#2	-.0008	202.5	.0452	.7443	.0055	16.74	-.0028	.0429	.3777
#3	.0011	201.7	.0392	.7450	.0055	16.74	-.0024	.0442	.3793
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1298	190.4	16.65	18.83	1.216	.0102	2.114	.1721	.6157
Stddev	.0006	.2	.04	.36	.004	.0002	.048	.0020	.0044
%RSD	.4966	.0843	.2519	1.937	.3111	2.282	2.246	1.163	.7167
#1	.1295	190.4	16.70	19.20	1.214	.0102	2.150	.1744	.6205
#2	.1293	190.5	16.62	18.48	1.213	.0105	2.132	.1713	.6145
#3	.1305	190.2	16.63	18.80	1.220	.0100	2.060	.1707	.6119
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0068	.0058	3.528	.0369	.2583	8.323	.0038	.4757	.1806
Stddev	.0049	.0088	.009	.0017	.0018	.019	.0061	.0007	.0006
%RSD	71.16	151.8	.2667	4.672	.6781	.2287	162.4	.1492	.3073
#1	.0077	.0114	3.528	.0373	.2566	8.305	.0038	.4763	.1812
#2	.0112	-.0043	3.538	.0351	.2601	8.320	-.0024	.4749	.1802
#3	.0016	.0102	3.519	.0385	.2582	8.343	.0099	.4757	.1804
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2671.2	5460.3	42608.	4158.8					
Stddev	1.6	2.2	341.	11.5					
%RSD	.06043	.04052	.80077	.27583					
#1	2672.6	5458.2	42792.	4148.9					
#2	2671.7	5462.6	42818.	4156.2					
#3	2669.5	5460.2	42214.	4171.4					

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Sample Name: CCV Acquired: 4/5/2016 15:20:19 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2561	40.70	1.929	2.049	2.007	39.85	1.985	2.005	2.011
Stddev	.0008	.13	.004	.006	.007	.18	.001	.002	.004
%RSD	.3040	.3232	.2095	.2829	.3529	.4457	.0257	.0990	.1755
#1	.2553	40.84	1.926	2.053	2.014	40.03	1.985	2.003	2.010
#2	.2568	40.67	1.927	2.052	2.006	39.84	1.985	2.005	2.015
#3	.2561	40.58	1.934	2.042	2.000	39.67	1.986	2.007	2.008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.016	39.74	39.74	41.47	1.978	2.005	40.13	1.958	1.979
Stddev	.009	.13	.07	.14	.009	.004	.18	.002	.003
%RSD	.4208	.3192	.1818	.3443	.4742	.2000	.4586	.0949	.1360
#1	2.007	39.88	39.77	41.60	1.989	2.002	40.26	1.956	1.977
#2	2.016	39.71	39.80	41.31	1.975	2.005	40.21	1.959	1.978
#3	2.024	39.63	39.66	41.48	1.970	2.010	39.92	1.959	1.982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.940	1.958	2.213	2.030	1.975	1.975	1.982	1.971	1.942
Stddev	.003	.008	.002	.003	.009	.004	.006	.004	.003
%RSD	.1642	.4169	.0757	.1619	.4285	.1950	.3133	.2027	.1360
#1	1.937	1.949	2.211	2.027	1.981	1.971	1.982	1.970	1.945
#2	1.940	1.965	2.213	2.029	1.978	1.977	1.976	1.976	1.942
#3	1.943	1.961	2.215	2.033	1.965	1.978	1.988	1.968	1.939
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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Sample Name: CCV Acquired: 4/5/2016 15:20:19 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2398.0	5154.6	40829.	4052.3
Stddev	6.6	11.5	56.	12.1
%RSD	.27590	.22275	.13631	.29949
#1	2402.9	5166.6	40770.	4038.4
#2	2400.6	5153.2	40836.	4060.9
#3	2390.5	5143.8	40881.	4057.6

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Sample Name: CCB Acquired: 4/5/2016 15:24:39 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0125	.0017	.0003	.0004	.0030	.0002	.0001	.0001
Stddev	.0006	.0075	.0004	.0002	.0001	.0055	.0001	.0001	.0001
%RSD	1294.	59.48	26.05	53.03	37.68	181.2	37.67	59.64	48.98
#1	-.0007	.0144	.0012	.0002	.0005	.0082	.0002	.0000	.0002
#2	.0003	.0043	.0017	.0005	.0003	.0035	.0002	.0001	.0002
#3	.0005	.0189	.0021	.0003	.0003	-.0027	.0001	.0001	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0144	.0363	.0178	.0002	F .0013	-.0258	.0000	.0003
Stddev	.0001	.0023	.0133	.0071	.0000	.0003	.0035	.0000	.0004
%RSD	36.99	15.81	36.70	39.96	13.30	26.14	13.70	36.12	134.9
#1	.0001	.0169	.0461	.0123	.0003	.0017	-.0288	.0001	-.0002
#2	.0002	.0136	.0416	.0153	.0002	.0012	-.0268	.0000	.0004
#3	.0003	.0126	.0211	.0258	.0002	.0011	-.0219	.0001	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-.0010			
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	-.0001	-.0001	.0004	.0002	.0011	.0001	.0002	.0002
Stddev	.0006	.0004	.0001	.0002	.0001	.0001	.0009	.0002	.0000
%RSD	35.70	476.2	68.70	57.24	36.81	7.898	850.0	75.87	15.48
#1	.0024	-.0003	-.0002	.0003	.0003	.0011	-.0005	.0004	.0002
#2	.0012	.0004	-.0001	.0002	.0003	.0011	.0011	.0002	.0003
#3	.0015	-.0003	-.0001	.0007	.0001	.0010	-.0003	.0001	.0002
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 4/5/2016 15:24:39 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2719.9	5377.8	42195.	4090.9
Stddev	4.0	12.0	74.	43.9
%RSD	.14612	.22384	.17501	1.0735

#1	2718.4	5373.4	42144.	4043.4
#2	2717.0	5368.5	42279.	4130.0
#3	2724.4	5391.4	42160.	4099.3

Sample Name: FA31671-8 Acquired: 4/5/2016 15:29:10 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	311.8	.0545	1.968	.0088	53.57	-0.015	.0761	.4845
Stddev	.0015	.3	.0056	.004	.0001	.21	.0004	.0001	.0014
%RSD	1367.	.0919	10.24	.2108	1.242	.3958	26.70	.1539	.2870

#1	-0.017	311.9	.0608	1.971	.0089	53.74	-0.016	.0760	.4861
#2	.0001	311.9	.0503	1.970	.0087	53.33	-0.019	.0761	.4836
#3	.0013	311.4	.0523	1.963	.0087	53.63	-0.011	.0762	.4838

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.777	248.8	22.45	33.24	4.175	.0142	2.404	.3091	2.184
Stddev	.010	.4	.18	.02	.012	.0010	.045	.0020	.018
%RSD	.2762	.1483	.7967	.0601	.2822	6.725	1.860	.6402	.8319

#1	3.784	249.2	22.34	33.22	4.178	.0152	2.369	.3085	2.167
#2	3.782	248.6	22.65	33.23	4.184	.0142	2.388	.3075	2.181
#3	3.765	248.6	22.35	33.26	4.162	.0133	2.454	.3113	2.203

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0098	.0084	3.906	.0400	.8039	9.101	-0.002	.5297	.6778
Stddev	.0004	.0065	.004	.0008	.0027	.019	.0053	.0026	.0033
%RSD	4.077	77.80	.1027	1.941	.3368	.2097	2375.	.4822	.4910

#1	.0096	.0155	3.903	.0407	.8059	9.115	.0047	.5311	.6753
#2	.0095	.0028	3.903	.0392	.8049	9.109	-0.059	.5267	.6766
#3	.0103	.0068	3.910	.0402	.8008	9.079	.0005	.5312	.6816

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2627.9	5480.2	42854.	4221.5
Stddev	6.1	14.8	160.	20.8
%RSD	.23382	.26995	.37277	.49180

#1	2631.1	5489.8	42674.	4207.7
#2	2631.9	5487.5	42910.	4245.4
#3	2620.9	5463.1	42978.	4211.5

7.2
7

Sample Name: FA31671-11 Acquired: 4/5/2016 15:33:30 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0006	327.1	.0571	2.417	.0099	76.19	-0.016	.0873	.5150
Stddev	.0015	2.3	.0020	.015	.0002	.34	.0001	.0000	.0053
%RSD	268.2	.6910	3.528	.6252	2.363	.4460	7.561	.0482	1.033

#1	.0006	329.0	.0587	2.425	.0098	76.26	-0.015	.0873	.5206
#2	.0020	324.6	.0578	2.400	.0096	75.83	-0.017	.0873	.5144
#3	-0.0010	327.6	.0549	2.426	.0101	76.50	-0.016	.0874	.5100

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5754	271.4	25.40	31.61	6.522	.0124	2.326	.3082	1.217
Stddev	.0015	1.3	.38	.30	.011	.0003	.030	.0005	.010
%RSD	.2664	.4614	1.513	.9424	.1632	2.080	1.292	.1702	.8203

#1	.5743	272.4	25.73	31.94	6.526	.0122	2.299	.3085	1.216
#2	.5748	270.0	25.50	31.36	6.509	.0127	2.322	.3076	1.227
#3	.5772	271.8	24.98	31.53	6.529	.0124	2.358	.3086	1.207

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0019	.0020	4.037	.0368	.6580	10.13	-0.0056	.6024	.3745
Stddev	.0043	.0019	.014	.0002	.0024	.01	.0017	.0038	.0004
%RSD	232.4	93.24	.3453	.5362	.3592	.0646	29.46	.6271	.1049

#1	.0031	.0001	4.037	.0369	.6594	10.14	-0.0043	.6061	.3741
#2	-0.0047	.0038	4.024	.0369	.6553	10.12	-0.0052	.6025	.3748
#3	-0.0040	.0021	4.051	.0365	.6593	10.13	-0.0075	.5985	.3747

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2613.0	5537.1	43143.	4257.2
Stddev	8.2	2.6	63.	36.4
%RSD	.31526	.04784	.14487	.85495

#1	2615.3	5540.1	43091.	4219.1
#2	2603.8	5535.0	43212.	4291.6
#3	2619.7	5536.2	43125.	4261.1

Sample Name: FA31671-15 Acquired: 4/5/2016 15:37:52 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0001	280.5	.0528	2.515	.0080	79.48	-0.017	.0735	.4499
Stddev	.0004	.4	.0008	.007	.0002	.39	.0002	.0003	.0014
%RSD	292.6	.1497	1.550	.2729	2.181	.4874	10.23	.4648	.3187

#1	.0003	280.7	.0533	2.518	.0080	79.04	-0.015	.0735	.4499
#2	-0.0004	280.8	.0533	2.520	.0078	79.74	-0.018	.0731	.4485
#3	-0.0002	280.1	.0519	2.507	.0081	79.68	-0.019	.0738	.4514

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3701	235.0	21.05	32.82	3.650	.0123	2.557	.2770	2.051
Stddev	.0019	.5	.23	.21	.002	.0006	.028	.0003	.006
%RSD	.5068	.2141	1.089	.6394	.0636	5.139	1.103	.1134	.3139

#1	.3718	234.6	20.89	32.62	3.648	.0128	2.533	.2768	2.044
#2	.3681	235.0	21.31	33.03	3.650	.0126	2.588	.2774	2.056
#3	.3703	235.6	20.95	32.80	3.652	.0116	2.549	.2769	2.052

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0026	.0038	2.973	.0416	1.121	8.387	-0.012	.5191	.4085
Stddev	.0035	.0063	.008	.0005	.003	.005	.0004	.0019	.0014
%RSD	134.7	164.3	.2554	1.221	.2646	.0625	31.32	.3604	.3447

#1	.0036	.0025	2.967	.0416	1.118	8.386	-0.015	.5200	.4095
#2	.0054	.0107	2.971	.0421	1.124	8.392	-0.014	.5170	.4069
#3	-0.0013	-0.0017	2.982	.0411	1.120	8.382	-0.008	.5204	.4092

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2612.0	5516.5	43091.	4177.7
Stddev	1.1	3.9	129.	17.3
%RSD	.04369	.07150	.30026	.41447

#1	2613.3	5518.7	42956.	4194.8
#2	2611.0	5512.0	43105.	4160.2
#3	2611.8	5518.9	43214.	4178.2

Sample Name: FA31671-18 Acquired: 4/5/2016 15:42:13 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0004	358.0	.0524	3.501	.0107	44.66	-.0019	.0930	.5300
Stddev	.0022	.5	.0029	.002	.0004	.11	.0002	.0007	.0015
%RSD	537.5	.1457	5.592	.0499	3.607	.2398	10.01	.8025	.2808
#1	-.0003	357.4	.0558	3.500	.0111	44.54	-.0020	.0936	.5308
#2	.0028	358.2	.0513	3.500	.0104	44.72	-.0016	.0922	.5308
#3	-.0013	358.4	.0502	3.503	.0106	44.73	-.0019	.0932	.5282
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.277	288.0	19.14	28.31	8.414	.0135	2.377	.3262	1.210
Stddev	.012	.3	.15	.12	.025	.0004	.026	.0004	.005
%RSD	.3619	.1212	.7823	.4326	.2908	3.167	1.108	.1344	.3914
#1	3.291	287.7	18.98	28.18	8.388	.0134	2.400	.3259	1.204
#2	3.269	288.4	19.27	28.34	8.437	.0139	2.348	.3267	1.212
#3	3.272	288.0	19.18	28.42	8.417	.0131	2.382	.3259	1.213
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0035	.0074	4.133	.0361	.7484	9.341	.0009	.6363	.4941
Stddev	.0022	.0092	.004	.0008	.0022	.010	.0041	.0011	.0024
%RSD	62.13	124.7	.0948	2.114	.2980	1.082	474.8	1.685	.4878
#1	.0057	.0147	4.136	.0354	.7491	9.329	.0019	.6364	.4920
#2	.0037	-.0030	4.129	.0369	.7459	9.345	-.0037	.6373	.4936
#3	.0013	.0104	4.135	.0360	.7502	9.348	.0044	.6352	.4967
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2610.9	5596.3	43577.	4294.1					
Stddev	8.3	6.7	223.	14.1					
%RSD	.31937	.11916	.51132	.32733					
#1	2620.5	5603.4	43832.	4296.7					
#2	2607.2	5595.2	43417.	4278.9					
#3	2605.1	5590.2	43483.	4306.6					

Sample Name: FA31671-22 Acquired: 4/5/2016 15:46:32 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0013	289.3	.0443	1.340	.0086	12.32	-.0029	.0744	.4804
Stddev	.0023	1.1	.0029	.007	.0003	.03	.0001	.0006	.0022
%RSD	178.2	.3787	6.585	.5414	3.404	.2137	4.895	.7674	.4547
#1	-.0039	289.1	.0414	1.333	.0083	12.35	-.0027	.0748	.4797
#2	.0002	290.6	.0473	1.348	.0089	12.30	-.0030	.0746	.4828
#3	-.0001	288.4	.0443	1.339	.0085	12.31	-.0030	.0738	.4786
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2627	236.8	20.11	28.35	1.738	.0099	2.055	.3026	.8023
Stddev	.0016	.8	.15	.35	.010	.0003	.035	.0004	.0015
%RSD	.6211	.3266	.7624	1.239	.5512	3.248	1.676	.1194	.1913
#1	.2615	236.1	19.94	28.00	1.727	.0103	2.048	.3022	.8033
#2	.2622	237.6	20.23	28.71	1.746	.0098	2.025	.3029	.8006
#3	.2646	236.6	20.17	28.34	1.741	.0097	2.093	.3028	.8031
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-.0005	-.0027	3.264	.0390	.1588	8.855	-.0014	.5120	.2946
Stddev	.0020	.0073	.006	.0008	.0007	.047	.0026	.0039	.0005
%RSD	421.1	273.4	.2001	1.940	.4616	5.346	184.2	.7549	.1633
#1	.0018	-.0054	3.257	.0395	.1594	8.800	-.0042	.5108	.2941
#2	-.0013	-.0081	3.270	.0393	.1591	8.878	-.0010	.5164	.2950
#3	-.0019	.0056	3.265	.0381	.1580	8.886	.0009	.5090	.2948
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2649.4	5522.9	42903.	4197.1					
Stddev	2.8	2.7	152.	31.7					
%RSD	.10622	.04812	.35508	.75635					
#1	2649.5	5525.8	43040.	4190.4					
#2	2652.1	5522.1	42739.	4169.3					
#3	2646.5	5520.7	42931.	4231.7					

Sample Name: FA31671-24 Acquired: 4/5/2016 15:50:52 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0020	289.8	.0439	1.410	.0085	16.06	-.0031	.0747	.4745
Stddev	.0008	.7	.0012	.006	.0003	.03	.0003	.0004	.0018
%RSD	39.09	.2464	2.625	.4182	3.012	20.30	9.636	.4711	.3739
#1	-.0024	269.4	.0452	1.416	.0084	16.03	-.0028	.0744	.4754
#2	-.0024	269.5	.0430	1.411	.0088	16.05	-.0033	.0751	.4724
#3	-.0011	270.6	.0436	1.404	.0083	16.09	-.0032	.0745	.4756
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6770	224.8	20.07	28.39	1.687	.0086	2.148	.2878	1.048
Stddev	.0011	.8	.13	.10	.000	.0005	.017	.0012	.005
%RSD	.1663	.3649	.6337	.3405	.0084	5.964	.8012	.4004	.4992
#1	.6774	224.3	20.20	28.37	1.687	.0089	2.128	.2891	1.053
#2	.6778	224.3	19.95	28.31	1.687	.0080	2.161	.2868	1.046
#3	.6757	225.7	20.05	28.50	1.687	.0088	2.153	.2875	1.043
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0021	-.0067	3.293	.0354	.2106	8.588	-.0072	.4889	.3492
Stddev	.0025	.0064	.006	.0017	.0006	.005	.0033	.0006	.0003
%RSD	118.7	95.37	.1756	4.699	.2777	.0593	45.63	.1210	.0821
#1	.0027	-.0141	3.291	.0355	.2105	8.585	-.0077	.4891	.3491
#2	-.0006	-.0029	3.288	.0371	.2102	8.586	-.0037	.4882	.3495
#3	.0044	-.0031	3.299	.0337	.2113	8.594	-.0102	.4893	.3489
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2646.5	5532.7	42846.	4170.1					
Stddev	5.4	7.3	62.	22.7					
%RSD	.20542	.13219	.14432	.54319					
#1	2647.1	5524.5	42781.	4180.1					
#2	2651.7	5534.9	42852.	4186.1					
#3	2640.8	5538.6	42905.	4144.2					

Sample Name: FA31671-26 Acquired: 4/5/2016 15:55:14 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0017	258.8	.0408	1.649	.0073	49.63	-.0020	.0651	.4371
Stddev	.0024	.4	.0033	.005	.0002	.14	.0003	.0002	.0032
%RSD	141.7	.1678	8.072	.3082	2.406	28.13	13.03	.3690	.7300
#1	.0007	258.3	.0425	1.650	.0073	49.47	-.0017	.0648	.4361
#2	-.0040	259.1	.0429	1.643	.0074	49.72	-.0021	.0651	.4407
#3	-.0017	258.9	.0370	1.653	.0071	49.70	-.0021	.0653	.4346
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.659	229.3	18.84	22.42	4.656	.0108	2.499	.2394	3.819
Stddev	.002	.4	.20	.15	.006	.0008	.032	.0008	.023
%RSD	.1344	.1954	1.056	.6664	.1265	7.759	1.265	.3152	.6040
#1	1.658	228.8	18.63	22.31	4.649	.0110	2.464	.2401	3.793

Sample Name: FA31671-29 Acquired: 4/5/2016 15:59:35 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	308.1	.0520	2.297	.0086	43.24	-.0020	.0842	.4899
Stddev	.0008	1.1	.0035	.013	.0003	.25	.0005	.0004	.0003
%RSD	650.8	.3407	6.744	.5433	3.730	.5737	23.03	.4333	.0698
#1	.0008	307.9	.0529	2.300	.0083	43.01	-.0019	.0845	.4900
#2	-.0007	307.1	.0481	2.283	.0086	43.20	-.0016	.0843	.4895
#3	.0003	309.2	.0549	2.307	.0089	43.50	-.0025	.0838	.4902
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4887	256.4	20.98	30.05	4.438	0.126	2.680	.2733	1.823
Stddev	.0021	.9	.11	.35	.004	.0007	.025	.0006	.004
%RSD	.4282	.3345	.5181	1.169	.0981	5.817	.9129	.2048	.2339
#1	.4866	255.6	20.94	29.64	4.438	.0118	2.658	.2735	1.821
#2	.4907	256.3	20.90	30.25	4.443	.0128	2.675	.2727	1.828
#3	.4888	257.3	21.10	30.25	4.434	.0132	2.706	.2737	1.821
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0082	-.0055	3.860	.0426	5.467	9.614	-.0006	.5882	-.3868
Stddev	.0006	.0022	.004	.0010	.0024	.011	.0074	.0002	.0008
%RSD	7.461	40.06	.1141	2.399	.4412	.1187	13.14	.0267	.2191
#1	.0075	-.0073	3.865	.0421	5.450	9.618	-.0079	.5883	-.3871
#2	.0088	-.0059	3.857	.0420	5.455	9.622	-.0058	.5883	-.3859
#3	.0083	-.0031	3.859	.0438	5.494	9.601	-.0039	.5881	-.3875
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2637.2	5578.7	43478.	4230.0					
Stddev	6.8	18.4	167.	46.6					
%RSD	.25900	.32931	.38338	1.1010					
#1	2636.4	5568.6	43362.	4281.9					
#2	2630.7	5567.5	43403.	4216.3					
#3	2644.3	5599.9	43669.	4191.9					

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Sample Name: FA31671-33 Acquired: 4/5/2016 16:03:57 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0010	290.8	.0490	1.727	.0079	37.93	.0089	.0697	.4629
Stddev	.0014	.5	.0005	.006	.0003	.12	.0002	.0007	.0038
%RSD	144.3	.1802	1.079	.3399	3.811	.3159	2.521	.9702	.8232
#1	.0025	290.4	.0492	1.721	.0078	38.04	.0092	.0699	.4630
#2	-.0007	291.4	.0495	1.732	.0083	37.96	.0088	.0689	.4591
#3	-.0003	290.6	.0485	1.729	.0077	37.80	.0088	.0702	.4667
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5264	233.6	21.83	30.28	3.512	0.106	2.287	.2838	1.9269
Stddev	.0030	.4	.08	.07	.022	.0008	.036	.0017	.0044
%RSD	.5773	.1531	.3461	.2273	.6175	7.580	1.574	.5871	.4799
#1	.5229	233.3	21.74	30.34	3.506	.0106	2.288	.2857	1.9302
#2	.5284	234.0	21.88	30.20	3.494	.0115	2.251	.2825	1.9219
#3	.5278	233.5	21.87	30.29	3.536	.0099	2.323	.2831	1.9288
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0043	-.0019	3.727	.0381	.4614	9.210	.0020	.5008	3.568
Stddev	.0038	.0002	.008	.0011	.0010	.039	.0003	.0040	.015
%RSD	90.14	44.37	.2139	2.786	.2221	4.209	14.77	.7922	.4154
#1	.0065	.0071	3.735	.0372	.4603	9.182	.0017	.4963	3.573
#2	-.0002	-.0091	3.726	.0377	.4623	9.194	.0019	.5036	3.552
#3	.0065	-.0036	3.719	.0393	.4617	9.254	.0023	.5026	3.580
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2652.1	5538.3	42746.	4159.6					
Stddev	1.4	13.1	147.	19.8					
%RSD	.05458	.23678	.34308	.47505					
#1	2650.7	5523.2	42748.	4163.1					
#2	2653.6	5546.1	42891.	4177.3					
#3	2652.0	5545.7	42598.	4138.3					

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7.2
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Sample Name: FA31671-38 Acquired: 4/5/2016 16:08:17 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0009	488.5	.0681	6.145	.0140	116.7	-.0006	.1311	.8907
Stddev	.0027	1.4	.0046	.018	.0003	.2	.0003	.0012	.0023
%RSD	294.2	.2932	6.737	.2935	2.303	20.46	49.16	.9158	.3322
#1	-.0017	489.9	.0694	6.165	.0142	116.7	-.0004	.1302	.8899
#2	.0037	488.4	.0720	6.130	.0142	116.4	-.0010	.1306	.8888
#3	.0008	487.0	.0630	6.140	.0137	116.9	-.0005	.1325	.8932
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4216	376.9	29.36	46.33	13.39	0.143	3.960	.4838	1.174
Stddev	.0020	1.0	.26	.17	.12	.0007	.055	.0018	.000
%RSD	.4681	.2525	.8790	.3723	.9270	4.627	1.398	.3706	.0255
#1	.4237	377.6	29.38	46.39	13.52	.0140	3.897	.4820	1.174
#2	.4198	377.3	29.61	46.13	13.27	.0150	3.991	.4840	1.175
#3	.4213	375.8	29.10	46.46	13.37	.0137	3.994	.4856	1.175
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0054	-.0007	4.214	.0363	1.617	12.23	-.0019	.8187	.4145
Stddev	.0042	.0077	.006	.0016	.001	.02	.0063	.0025	.0013
%RSD	77.13	107.1	.1487	4.339	.0454	.1696	340.5	.3014	.3082
#1	.0031	.0066	4.207	.0354	1.616	12.25	-.0044	.8189	.4130
#2	.0029	-.0087	4.214	.0382	1.618	12.21	.0053	.8162	.4152
#3	.0102	-.0001	4.219	.0355	1.617	12.22	-.0064	.8211	.4152
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2593.6	5643.0	43645.	4226.7					
Stddev	1.8	3.9	56.	40.9					
%RSD	.06843	.06949	.12721	.96860					
#1	2591.9	5639.4	43709.	4185.5					
#2	2595.4	5647.2	43614.	4227.0					
#3	2593.4	5642.4	43611.	4267.4					

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Sample Name: CCV Acquired: 4/5/2016 16:12:45 Type: QC
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2573	41.50	1.933	2.097	2.033	40.27	1.983	2.009	2.033
Stddev	.0002	.17	.003	.006	.004	.05	.003	.003	.005
%RSD	.0931	.4128	.1603	.2763	.2120	.1216	.1602	.1571	.2310
#1	.2575	41.41	1.934	2.093	2.036	40.25	1.981	2.007	2.031
#2	.2572	41.39	1.934	2.094	2.028	40.23	1.986	2.012	2.031
#3	.2571	41.70	1.929	2.104	2.034	40.32	1.981	2.006	2.039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.041	40.40	40.10	42.39	1.985	2.010	40.58	1.952	1.986
Stddev	.002	.10	.12	.10	.007	.002	.12	.005	.006
%RSD	.1012	.2374	.2869	.2384	.3577	.1051	.3057	.2582	.3087
#1	2.039	40.45	40.13	42.50	1.988	2.009	40.62	1.950	1.981
#2	2.043	40.29	39.97	42.33	1.977	2.012	40.44	1.958	1.983
#3	2.042	40.47	40.19	42.33	1.991	2.008	40.69	1.948	1.993

Sample Name: CCV Acquired: 4/5/2016 16:12:45 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2399.0	5185.3	4039.4	4015.3
Stddev	2.1	11.9	176.	20.3
%RSD	.08687	.22993	.43681	.50596
#1	2396.8	5185.0	40532.	4031.7
#2	2401.0	5173.6	40454.	4021.6
#3	2399.2	5197.4	40195.	3992.6

Sample Name: CCB Acquired: 4/5/2016 16:17:05 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.002	0.080	0.014	0.001	0.003	0.036	0.001	0.002	0.002
Stddev	.0002	.0029	.0005	.0004	.0000	.0013	.0000	.0002	.0001
%RSD	83.04	36.07	34.80	352.5	8.895	35.57	37.74	93.91	45.78
#1	-0.004	0.050	0.019	0.001	0.003	0.050	0.001	0.003	0.001
#2	-0.000	0.107	0.013	0.006	0.003	0.024	0.001	0.001	0.002
#3	-0.002	0.082	0.009	-0.003	0.003	0.036	0.002	0.000	0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	0.002	0.157	0.067	0.135	0.002	F_0.012	-0.261	0.001	0.000
Stddev	.0003	.0026	.0317	.0177	.0000	.0003	.0068	.0001	.0002
%RSD	172.5	16.43	475.8	131.1	17.93	23.52	26.18	115.1	862.7
#1	.0003	.0186	.0153	.0200	.0002	.0015	-.0245	.0001	.0001
#2	.0005	.0148	.0331	-.0065	.0002	.0012	-.0202	.0000	.0002
#3	-0.0002	.0137	-.0284	.0269	.0002	.0010	-.0336	.0002	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	0.016	0.000	-0.004	0.002	0.003	0.011	-0.001	0.002	0.002
Stddev	.0003	.001	.0002	.0002	.0001	.0000	.0016	.0000	.0001
%RSD	21.61	84.18	58.30	109.1	37.92	3.752	1368.	19.79	30.07
#1	.0019	.0004	-0.001	.0001	.0004	.0011	.0013	.0001	.0001
#2	.0012	.0006	-0.004	.0004	.0002	.0011	-.0018	.0002	.0002
#3	.0015	-.0010	-0.005	.0000	.0002	.0010	.0001	.0002	.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.2
7

Sample Name: CCB Acquired: 4/5/2016 16:17:05 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2729.8	5401.8	41919.	4043.2
Stddev	2.9	4.1	160.	23.2
%RSD	.10485	.07587	.38165	.57392
#1	2727.3	5405.7	41836.	4033.9
#2	2729.1	5397.5	41817.	4026.0
#3	2732.9	5402.2	42103.	4069.6

Sample Name: FA31672-1 Acquired: 4/5/2016 16:21:37 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_3710)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-0.022	119.9	0.386	3.554	0.038	11.11	-0.018	0.339	3.069
Stddev	.0024	.2	.0008	.0015	.0004	.05	.0002	.0005	.0009
%RSD	106.1	.1598	1.944	4.281	9.551	4.584	10.50	1.459	2.914
#1	.0002	120.1	.0394	3.538	.0038	11.13	-.0017	.0335	.3070
#2	-.0045	119.7	.0385	3.557	.0041	11.05	-.0016	.0344	.3078
#3	-0.0023	119.9	.0379	3.568	.0034	11.14	-.0020	.0337	.3060

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_2243)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.1311	134.2	14.65	13.16	7.487	0.082	1.506	1.081	3.642
Stddev	.0009	.3	.23	.07	.0020	.0011	.008	.0009	.0037
%RSD	.6739	.2027	1.592	5.053	.2689	13.07	.5322	.8176	1.016
#1	.1301	134.4	14.67	13.19	.7469	.0094	1.515	1.083	.3599
#2	.1314	133.9	14.40	13.08	.7482	.0080	1.506	1.089	.3659
#3	.1318	134.4	14.87	13.20	.7509	.0073	1.499	1.072	.3667

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	0.034	-0.003	2.974	0.351	1.296	6.820	0.025	3.323	1.668
Stddev	.0030	.0021	.003	.0009	.0007	.012	.0021	.0016	.0006
%RSD	86.15	633.7	.0984	2.451	.5328	.1734	82.19	.4690	.3328
#1	.0060	.0006	2.976	.0356	1.303	6.807	.0031	3.337	1.662
#2	.0002	-.0028	2.976	.0356	1.296	6.830	.0002	3.307	1.673
#3	.0041	.0012	2.971	.0341	1.290	6.823	.0042	3.326	1.668

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2683.0	5474.0	42354.	4082.1
Stddev	8.6	6.0	177.	30.9
%RSD	.31888	.11006	.41737	.75784
#1	2692.1	5474.0	42514.	4077.6
#2	2681.6	5480.1	42382.	4115.0
#3	2675.2	5468.0	42164.	4053.6

Sample Name: FA31672-5 Acquired: 4/5/2016 16:25:59 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.011	212.5	.0562	.9637	.0070	13.34	-0.028	.0651	.4371
Stddev	.0006	.7	.0042	.0082	.0002	.08	.0002	.0003	.0012
%RSD	56.37	.3521	7.527	.8494	3.005	.5640	8.917	.4204	.2797
#1	-.0018	212.3	.0515	.9576	.0071	13.31	-.0025	.0651	.4357
#2	-.0006	213.4	.0576	.9730	.0073	13.43	-.0028	.0648	.4379
#3	-.0008	211.9	.0596	.9605	.0068	13.29	-.0030	.0653	.4376
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.9365	201.3	17.55	23.04	1.278	.0091	2.565	.1902	1.896
Stddev	.0045	.9	.11	.12	.008	.0003	.026	.0009	.002
%RSD	.4853	.4247	.6300	.5097	.5974	3.001	1.030	.4555	.0805
#1	.9313	200.8	17.64	23.06	1.269	.0094	2.575	.1906	1.896
#2	.9384	202.3	17.43	23.15	1.283	.0090	2.585	.1909	1.897
#3	.9398	200.8	17.59	22.92	1.281	.0089	2.535	.1893	1.894
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0033	-0.002	2.892	.0392	.1567	8.825	.0008	.4607	.3314
Stddev	.0054	.0119	.012	.0021	.0004	.039	.0060	.0010	.0003
%RSD	161.9	551.4	.4234	5.254	.2866	4.384	784.0	.2247	.0918
#1	.0008	-.0008	2.879	.0370	.1567	8.781	.0064	.4598	.3314
#2	-.0004	-.0118	2.892	.0411	.1572	8.841	.0014	.4605	.3311
#3	.0095	.0119	2.904	.0396	.1563	8.853	-.0056	.4618	.3317
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2660.0	5601.6	43229.	4162.3					
Stddev	1.9	1.7	232.	45.7					
%RSD	.07145	.03111	.53607	1.0987					
#1	2662.2	5603.6	43495.	4167.1					
#2	2659.1	5601.0	43072.	4114.4					
#3	2658.7	5600.3	43119.	4205.5					

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Sample Name: FA31672-9 Acquired: 4/5/2016 16:34:39 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.019	415.2	.0558	4.262	.0119	95.91	-0.023	.1056	.5887
Stddev	.0015	1.3	.0050	.008	.0004	.22	.0001	.0005	.0012
%RSD	81.25	.3076	8.962	.1810	3.164	.2280	3.683	.4806	.2123
#1	-.0035	415.9	.0556	4.262	.0115	95.95	-.0024	.1061	.5901
#2	-.0005	415.9	.0609	4.270	.0122	96.11	-.0022	.1055	.5877
#3	-.0016	413.7	.0509	4.255	.0120	95.68	-.0023	.1051	.5882
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7109	325.2	20.73	37.52	10.09	.0136	3.201	.3936	1.003
Stddev	.0022	1.2	.14	.23	.05	.0004	.034	.0008	.002
%RSD	.3026	.3686	.6580	.6219	.5049	2.612	1.073	.1986	.1639
#1	.7111	326.2	20.76	37.61	10.11	.0134	3.201	.3930	1.001
#2	.7087	325.6	20.86	37.70	10.13	.0140	3.236	.3945	1.004
#3	.7130	323.9	20.59	37.26	10.04	.0134	3.167	.3934	1.004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.004	.0069	4.129	.0363	1.221	10.83	-0.005	.7151	.3491
Stddev	.0022	.0056	.019	.0004	.002	.01	.0037	.0018	.0014
%RSD	518.9	81.60	.4596	1.208	.1674	.0540	765.8	.2562	.4142
#1	-.0021	.0091	4.109	.0361	1.220	10.83	-.0030	.7156	.3475
#2	.0020	.0005	4.132	.0361	1.223	10.83	-.0022	.7130	.3494
#3	-.0011	.0110	4.147	.0368	1.219	10.84	.0038	.7165	.3503
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2616.1	5623.1	43612.	4217.3					
Stddev	7.2	3.3	27.	49.3					
%RSD	.27633	.05922	.06087	1.1699					
#1	2614.2	5622.5	43642.	4181.3					
#2	2624.1	5626.7	43601.	4197.1					
#3	2610.0	5620.1	43592.	4273.6					

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Sample Name: FA31672-6 Acquired: 4/5/2016 16:30:20 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.031	212.3	.0509	.9783	.0070	11.73	-0.029	.0643	.4288
Stddev	.0013	.7	.0011	.0020	.0001	.05	.0002	.0004	.0027
%RSD	41.80	.3155	2.167	.1996	1.151	.4500	5.691	.5573	.6209
#1	-.0045	212.1	.0522	.9774	.0069	11.78	-.0030	.0642	.4259
#2	-.0018	213.0	.0502	.9771	.0071	11.67	-.0030	.0647	.4311
#3	-.0031	211.6	.0503	.9806	.0071	11.73	-.0027	.0640	.4294
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.216	195.0	16.78	23.04	1.086	.0083	2.574	.1893	1.339
Stddev	.006	.4	.13	.08	.003	.0006	.022	.0006	.008
%RSD	.4611	.1925	.7446	.3381	.2852	7.540	.8469	.3106	.6069
#1	1.210	194.8	16.65	23.07	1.087	.0081	2.572	.1886	1.330
#2	1.217	195.4	16.89	22.95	1.089	.0078	2.597	.1894	1.342
#3	1.221	194.8	16.82	23.10	1.083	.0090	2.553	.1898	1.346
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0039	.0018	3.115	.0523	.1452	8.577	-0.015	.4392	.3518
Stddev	.0025	.0069	.007	.0012	.0002	.009	.0018	.0015	.0023
%RSD	63.93	390.9	.2308	2.204	.1254	.1077	115.9	.3383	.6496
#1	.0010	.0017	3.106	.0510	.1452	8.574	.0005	.4387	.3497
#2	.0056	-.0051	3.117	.0531	.1451	8.587	-.0023	.4408	.3515
#3	.0052	.0087	3.120	.0528	.1454	8.570	-.0027	.4379	.3543
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2663.4	5602.5	43131.	4189.2					
Stddev	6.7	14.8	201.	35.8					
%RSD	.25097	.26474	.46501	.85536					
#1	2670.6	5619.0	43028.	4147.9					
#2	2662.3	5598.4	43002.	4207.2					
#3	2657.3	5590.2	43362.	4212.5					

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Sample Name: FA31672-12 Acquired: 4/5/2016 16:39:08 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.020	244.6	.0633	1.347	.0074	34.75	-0.032	.0806	.5127
Stddev	.0016	.2	.0053	.005	.0001	.09	.0001	.0006	.0012
%RSD	80.44	.0672	8.443	.3676	1.969	25.44	3.405	.7275	.2325
#1	-.0009	244.8	.0695	1.349	.0073	34.66	-.0031	.0812	.5129
#2	-.0011	244.5	.0606	1.342	.0074	34.75	-.0031	.0801	.5115
#3	-.0038	244.6	.0598	1.351	.0076	34.83	-.0033	.0806	.5138
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3751	243.0	22.30	25.94	2.440	.0113	2.390	.2283	1.376
Stddev	.0021	.0	.16	.12	.011	.0008	.036	.0008	.001
%RSD	.5540	.0122	.7393	.4812	.4647	7.204	1.524	.3654	.1031
#1	.3737	243.0	22.13	25.86	2.443	.0114	2.369		

Sample Name: FA31672-15 Acquired: 4/5/2016 16:43:28 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0003	340.1	.0487	2.107	.0094	33.32	-.0024	.0753	.4994
Stddev	.0005	2.1	.0030	.009	.0004	.09	.0002	.0007	.0020
%RSD	150.0	.6049	6.262	.4383	4.121	.2768	10.47	.9670	.4092
#1	.0009	338.7	.0509	2.097	.0097	33.33	-.0021	.0749	.4987
#2	-.0001	339.0	.0452	2.116	.0095	33.23	-.0026	.0748	.5018
#3	.0002	342.4	.0500	2.107	.0090	33.41	-.0025	.0761	.4979
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.746	261.3	21.44	31.75	4.782	.0110	2.336	.3253	2.085
Stddev	.010	1.5	.06	.35	.030	.0012	.052	.0026	.008
%RSD	.3670	.5889	.2668	1.095	.6371	11.20	2.235	.8069	.3740
#1	2.755	260.5	21.48	31.73	4.749	.0099	2.359	.3225	2.080
#2	2.748	260.4	21.46	31.42	4.808	.0123	2.373	.3257	2.094
#3	2.735	263.1	21.37	32.11	4.789	.0108	2.276	.3277	2.082
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(In2306)
Avg	.0083	-.0013	3.463	.0366	.5461	9.176	.0015	.5289	.5058
Stddev	.0039	.0023	.016	.0019	.0022	.035	.0048	.0010	.0018
%RSD	46.83	173.6	.4469	5.077	.4065	.3863	317.9	.1959	.3521
#1	.0076	.0005	3.450	.0387	.5453	9.141	-.0024	.5293	.5041
#2	.0049	-.0039	3.460	.0354	.5444	9.212	.0000	.5297	.5057
#3	.0126	-.0005	3.480	.0357	.5486	9.176	.0069	.5277	.5077
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2610.4	5479.9	42477.	4123.9					
Stddev	9.6	16.4	299.	35.5					
%RSD	.36730	.29989	.70319	.85993					
#1	2620.6	5497.3	42775.	4151.7					
#2	2601.5	5477.9	42178.	4136.1					
#3	2609.2	5464.6	42477.	4084.0					

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Sample Name: CRIA Acquired: 4/5/2016 16:47:46 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0092	.2371	.0106	.2202	.0054	1.110	.0054	.0544	.0111
Stddev	.0002	.0046	.0005	.0005	.0001	.002	.0000	.0001	.0003
%RSD	2.393	1.958	4.335	.2056	1.561	.1804	.2623	.2186	2.915
#1	.0095	.2378	.0104	.2202	.0054	1.110	.0054	.0544	.0114
#2	.0092	.2413	.0103	.2198	.0054	1.111	.0054	.0545	.0111
#3	.0090	.2321	.0111	.2207	.0053	1.107	.0054	.0542	.0107
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0276	.3483	10.57	5.660	.0167	.0508	10.73	.0430	.0044
Stddev	.0001	.0035	.03	.039	.0000	.0001	.02	.0002	.0003
%RSD	.2752	1.016	.2611	.6946	.1009	.1871	.1557	.3894	7.441
#1	.0275	.3462	10.54	5.692	.0167	.0508	10.71	.0431	.0047
#2	.0276	.3524	10.60	5.672	.0167	.0508	10.74	.0428	.0046
#3	.0277	.3464	10.57	5.616	.0167	.0509	10.73	.0431	.0041
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0054	.0104	.0314	.0546	.0106	.0108	.0102	.0503	.0230
Stddev	.0006	.0010	.0004	.0003	.0000	.0000	.0007	.0000	.0001
%RSD	10.40	9.489	1.239	.5117	.3219	.3290	6.523	.0872	.5347
#1	.0058	.0112	.0319	.0544	.0106	.0108	.0095	.0503	.0230
#2	.0055	.0107	.0311	.0549	.0106	.0108	.0105	.0503	.0228
#3	.0047	.0093	.0314	.0547	.0106	.0109	.0107	.0504	.0230
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2666.3	5398.2	41966.	4088.1					
Stddev	4.1	1.7	93.	25.3					
%RSD	.15342	.03238	.22117	.61917					
#1	2671.0	5398.4	42028.	4080.3					
#2	2664.2	5399.8	41860.	4067.6					
#3	2663.7	5396.3	42011.	4116.4					

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7.2
7

Sample Name: ICSA Acquired: 4/5/2016 16:52:09 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Avg	-.0001	F 502.3	.0005	.0000	.0000	472.4	-.0011	-.0002
Stddev	.0004	1.8	.0011	.000	.000	4.9	.0001	.0001
%RSD	705.3	.3631	228.5	454.0	191.9	1.027	7.736	46.46
#1	.0001	502.7	.0008	-.0002	.0000	472.4	-.0010	-.0003
#2	-.0005	500.4	-.0008	.0002	.0000	477.3	-.0012	-.0001
#3	.0002	504.0	.0014	.0000	-.0001	467.6	-.0012	-.0002
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.0002	-.0004	183.6	.0816	F 525.8	-.0003	.0013	.1177
Stddev	.0000	.0001	.6	.0458	1.5	.0000	.0004	.0067
%RSD	20.98	29.81	.3240	56.11	.2771	8.478	32.56	5.735
#1	.0002	-.0003	183.5	.0341	525.0	-.0003	.0009	.1123
#2	.0003	-.0005	184.3	.0853	527.5	-.0003	.0013	.1155
#3	.0002	-.0003	183.2	.1254	525.0	-.0003	.0017	.1253
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.0004	F -.0056	.0000	.0017	.0660	.0013	.0001	.0003
Stddev	.0001	.0012	.001	.0028	.0010	.0004	.0001	.0001
%RSD	13.33	21.12	8345.	163.5	1.497	28.50	61.02	23.17
#1	.0004	-.0069	.0000	.0017	.0667	.0010	.0000	.0003
#2	.0005	-.0050	.0012	-.0011	.0649	.0017	.0001	.0002
#3	.0004	-.0048	-.0012	.0044	.0666	.0012	.0002	.0003
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	-.0013	.0006	-.0031					
Stddev	.0027	.0002	.0001					
%RSD	213.3	26.54	2.050					
#1	-.0044	.0007	-.0032					
#2	.0003	.0007	-.0031					
#3	.0003	.0004	-.0031					

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Sample Name: ICSA Acquired: 4/5/2016 16:52:09 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2171.4	4808.4	36877.	3791.4
Stddev	2.7	16.5	276.	20.1
%RSD	.12271	.34342	.74810	.53027
#1	2168.8	4789.4	37004.	3799.3
#2	2171.3	4819.1	36560.	3768.6
#3	2174.2	4816.9	37066.	3806.4

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Sample Name: ICSAB Acquired: 4/5/2016 16:56:47 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F 1.013	F 512.7	1.036	.5169	.4956	474.4	.9131	4.614	4.980
Stddev	.004	2.9	.003	.0020	.0019	5.9	.0008	.0002	.0014
%RSD	.3516	.5636	.2611	.3947	.3750	1.248	.0841	.0523	.2858
#1	1.013	510.2	1.034	.5146	.4937	476.5	.9125	4.612	4.978
#2	1.010	515.8	1.036	.5184	.4974	479.0	.9127	4.614	4.968
#3	1.017	512.0	1.039	.5178	.4956	467.7	.9139	4.617	4.996

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5369	184.2	.0392	F 535.0	.4908	.9273	.1157	.9021	.9226
Stddev	.0013	.4	.0346	1.2	.0030	.0016	.0021	.0006	.0025
%RSD	.2347	.2099	88.18	.2196	.6048	.1756	1.808	.0684	.2754
#1	.5378	183.8	.0761	533.7	.4921	.9256	.1135	90.14	.9218
#2	.5355	184.6	.0339	535.5	.4874	.9273	.1177	90.24	.9205
#3	.5375	184.0	.0076	535.9	.4929	.9289	.1159	90.26	.9254

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	9810	9855	.1127	.9345	.9895	.9824	.9320	.4535	.8913
Stddev	.0021	.0042	.0015	.0021	.0036	.0037	.0025	.0014	.0011
%RSD	.2178	.4269	1.322	.2194	.3605	.3788	.2672	.3168	.1217
#1	.9788	.9816	.1117	.9323	.9865	.9839	.9338	4.530	.8921
#2	.9813	.9899	.1119	.9350	.9934	.9782	.9330	4.523	.8900
#3	.9830	.9850	.1144	.9363	.9885	.9852	.9291	4.551	.8917

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2130.9	4779.5	3657.7	3759.1
Stddev	1.7	8.1	281.	7.6
%RSD	.07984	.16880	.76759	.20336
#1	2132.8	4783.9	3653.7	3757.3
#2	2129.7	4770.2	3687.6	3767.5
#3	2130.1	4784.4	3631.8	3752.6

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Sample Name: CCV Acquired: 4/5/2016 17:01:15 Type: QC
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2565	41.28	1.929	2.081	2.021	40.00	1.979	2.005	2.022
Stddev	.0008	.11	.001	.010	.004	.03	.004	.003	.002
%RSD	.3118	.2755	.0743	.4595	.2024	.0849	.1780	.1519	.1182
#1	.2567	41.23	1.929	2.078	2.022	39.99	1.975	2.002	2.025
#2	.2571	41.41	1.928	2.091	2.025	39.97	1.979	2.005	2.021
#3	.2556	41.20	1.931	2.073	2.017	40.03	1.982	2.009	2.021

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.035	40.23	39.99	42.21	1.969	2.006	40.36	1.952	1.980
Stddev	.002	.03	.09	.10	.007	.003	.03	.004	.004
%RSD	.1076	.0753	.2354	.2461	.3833	.1714	.0834	.1814	.1980
#1	2.038	40.23	39.97	42.11	1.961	2.003	40.38	1.951	1.976
#2	2.033	40.20	40.09	42.20	1.976	2.006	40.37	1.949	1.983
#3	2.034	40.26	39.91	42.32	1.969	2.009	40.32	1.956	1.981

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.941	1.970	2.213	2.036	1.984	1.974	1.979	1.966	1.927
Stddev	.001	.004	.002	.004	.007	.001	.008	.002	.004
%RSD	.0413	.2004	.0780	.1817	.3414	.0437	.3940	.1163	.2175
#1	1.940	1.968	2.214	2.032	1.985	1.975	1.988	1.964	1.923
#2	1.940	1.968	2.211	2.036	1.990	1.975	1.973	1.968	1.927
#3	1.942	1.975	2.214	2.039	1.977	1.973	1.975	1.967	1.932

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2130.9	4779.5	3657.7	3759.1
Stddev	1.7	8.1	281.	7.6
%RSD	.07984	.16880	.76759	.20336
#1	2132.8	4783.9	3653.7	3757.3
#2	2129.7	4770.2	3687.6	3767.5
#3	2130.1	4784.4	3631.8	3752.6

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7.2
7

Sample Name: CCV Acquired: 4/5/2016 17:01:15 Type: QC
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2386.8	5158.5	40483.	3978.0
Stddev	5.9	6.4	114.	33.9
%RSD	.24561	.12439	.28178	.85301
#1	2381.2	5151.8	40354.	3983.5
#2	2386.3	5164.6	40524.	4008.9
#3	2392.9	5159.2	40571.	3941.7

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Sample Name: CCB Acquired: 4/5/2016 17:05:35 Type: QC
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0101	.0009	.0001	.0002	.0081	.0001	.0001	.0003
Stddev	.0004	.0048	.0004	.0002	.0000	.0020	.0000	.0001	.0001
%RSD	258.5	47.01	46.47	216.8	12.41	25.08	17.75	65.90	31.49
#1	-.0004	.0124	.0010	.0001	.0002	.0105	.0001	.0001	.0003
#2	-.0003	.0046	.0012	-.0001	.0002	.0073	.0001	.0002	.0002
#3	-.0003	.0133	.0004	.0004	.0002	.0066	.0001	.0001	.0003

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0167	-.0219	.0034	.0002	F .0014	-.0231	.0000	-.0005
Stddev	.0001	.0036	.0029	.0246	.0000	.0004	.0056	.0001	.0005
%RSD	108.2	21.72	13.22	726.4	23.03	28.01	24.34	116.7	97.23
#1	.0002	.0207	-.0233	.0306	.0002	.0018	-.0218	.0002	.0000
#2	.0000	.0157	-.0239	-.0173	.0002	.0013	-.0293	-.0001	-.0006
#3	.0002	.0137	-.0186	-.0031	.0001	.0010	-.0183	.0000	-.0009

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	.0005	-.0003	.0002	.0002	.0008	.0012	.0004	.0001
Stddev	.0006	.0015	.0003	.0003	.0001	.0001	.0005	.0002	.0001
%RSD	36.78	302.7	75.46	170.5	29.10	8.219	42.40	43.20	100.3
#1	.0021	-.0004	-.0004	.0004	.0002	.0009	.0010	.0003	.0002
#2	.0010	-.0003	-.0001	-.0001	.0002	.0008	.0008	.0002	.0001
#3	.0021	.0022	-.0006	.0002	.0001	.0008	.0018	.0005	.0000

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2130.9	4779.5	3657.7	3759.1
Stddev	1.7	8.1	281.	7.6
%RSD	.07984	.16880	.76759	.20336
#1	2132.8	4783.9	3653.7	3757.3
#2	2129.7	4770.2	3687.6	3767.5
#3	2130.1	4784.4	3631.8	3752.6

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Sample Name: CCB Acquired: 4/5/2016 17:05:35 Type: QC
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2735.7	5390.0	42281.	4012.0
Stddev	1.6	10.3	136.	15.6
%RSD	.05677	.19128	.32086	.38971
#1	2737.0	5401.6	42139.	4023.2
#2	2734.0	5386.5	42410.	4018.8
#3	2736.2	5381.9	42293.	3994.2

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000009	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000083	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000005	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000083	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000000	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000012	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000135	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000010	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000041	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000123	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000038	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	-0.000020	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000035	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	-0.000004	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000006	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	0.000087	0.585824	0.000000	1.000000
Al 396.152 { 85}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	0.000465	0.213944	0.000000	1.000000
As 189.042 {478}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	-0.000672	0.194129	0.000000	1.000000
Ba 455.403 { 74}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	0.002499	8.617726	0.000000	1.000000
Be 313.042 {108}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	0.000336	10.839273	0.000000	1.000000
Ca 317.933 {106}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	0.002437	0.257230	0.000000	1.000000
Cd 226.502 {449}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	-0.001054	5.229164	0.000000	1.000000
Co 228.616 {447}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	-0.000511	2.726040	0.000000	1.000000
Cr 267.716 {126}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	-0.000040	0.573644	0.000000	1.000000
Cu 324.754 {104}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	0.005812	0.869924	0.000000	1.000000
Fe 259.940 {130}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	0.002350	0.167005	0.000000	1.000000
In 230.606 {446}*	4/5/2016 10:03:04	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	0.001695	0.099516	0.000000	1.000000
Mg 279.079 {121}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	-0.000503	0.025413	0.000000	1.000000
Mn 257.610 {131}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	0.000613	3.160101	0.000000	1.000000
Mo 202.030 {467}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	0.002097	1.116475	0.000000	1.000000
Na 589.592 { 57}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	-0.011291	0.403291	0.000000	1.000000
Ni 231.604 {445}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	-0.000044	1.714949	0.000000	1.000000
Pb 220.353 {453}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	-0.000029	0.926619	0.000000	1.000000
Sb 206.833 {463}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	0.000757	0.263463	0.000000	1.000000
Se 196.090 {472}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	-0.000709	0.133043	0.000000	1.000000
Si 212.412 {459}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	0.004002	0.425889	0.000000	1.000000
Sn 189.989 {477}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	0.000617	0.402122	0.000000	1.000000
Sr 407.771 { 83}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	-0.000593	16.766009	0.000000	1.000000
Ti 334.941 {101}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	0.003379	2.196884	0.000000	1.000000
Tl 190.856 {477}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	-0.001878	0.308720	0.000000	1.000000
V 292.402 {115}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	-0.000755	0.774936	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	0.001667	2.757707	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999782	0.000118	0.000388	0.001293	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999848	0.006020	0.008209	0.027362	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999944	0.000166	0.000786	0.002620	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999926	0.008455	0.000256	0.000854	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999957	0.008146	0.000066	0.000221	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999789	0.008518	0.003195	0.010650	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999922	0.005253	0.000047	0.000156	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999942	0.002359	0.000100	0.000333	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999862	0.000768	0.000248	0.000826	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999952	0.000687	0.000243	0.000810	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999550	0.008069	0.002534	0.008447	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999853	0.002745	0.029945	0.099816	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999807	0.000805	0.021348	0.071161	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999869	0.004113	0.000040	0.000133	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999945	0.000944	0.000140	0.000466	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999857	0.010982	0.007810	0.026034	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999939	0.001526	0.000161	0.000538	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999902	0.001048	0.000576	0.001920	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999943	0.000227	0.000944	0.003146	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999948	0.000109	0.001692	0.005640	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.995211	0.003369	0.000414	0.001381	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999900	0.000459	0.000323	0.001077	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999856	0.022902	0.000084	0.000281	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999893	0.002584	0.000098	0.000327	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999966	0.000205	0.000985	0.003284	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999939	0.000682	0.000233	0.000776	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999949	0.002236	0.000066	0.000220	OK	1.000000	0.000000	1	0

Accutest Laboratories SE Metals Digestion Log Water

DOD+
(MS)

Method of digestion(circle one): SW846-3010A SW846-3005A / EPA 200.7 / SM3030C

MP #: 30039

Prep Date/Time (mm/dd/yy 24:00): 2/29/16 8:45

HotBlock I.D. 5

Thermometer I.D. 204

Correction Factor (°C) -1

Temperature Observed/Corrected (°C) 94, 93

Added^B: HNO₃
Lot# 1115080

Spk. Sol. ^A	Used(ml)	Pipette #
ACC 920	0.50	10
ACC 894	0.25	10
MET 5330	0.25	10

Dig. Tube Lot#: J215796-261

HCL
4115050

Sample #	Initial Volume(ml)	pH<2	Final Volume(ml)	Comments
Method Blank(MB)	50.0	N/A	50.0	
Spike Blank(SB)		N/A		
Matrix Spike(MS)		✓		
Matrix Spike Dup(MSD)		✓		
Duplicate(DUP)		✓		
1 QC ^C FA31027-2 ^{BS}		✓		
2 ↓ 1 9		✓		
3 ↓ 3		✓		
4 ↓ 4		✓		
5 FA31077-4		✓		
6 ↓ 7		✓		
7 ↓ 9		✓		
8 ↓ 10		✓		
9 ↓ 11		✓		
10 ↓ 12		✓		
11 ↓ 13		✓		
12 ↓ 14 ✓		✓		
13 FA31743-1 11		✓		
14 FA31037-1 3		✓		
15 FA31069-1 1		✓		
16 FA31070-1		✓		
17 FA31071-37 ↓		✓		
18 FA31072-27 ✓		✓		
19 FA31056-1 9		✓		
20 ↓ 2 9		✓		
21 ^E				
22 ^E				
23 ^E				
24 ^E				

Analyst: J. Ben
QC Review: [Signature]

Date: 2/29/16
Date: 2-29-16

- A Used for SB, MS, MSD
- B For reagent volumes used consult SOP MET 103, current revision
- C Parent sample used to prepare MS, MSD, DUP
- D Bottle Number
- E Additional matrix QC

icpwaterdigestionlog091113.xls

Rev 01/20/10 DM

*DB 2/29/16

7.3.1
7

DOD
(MS)

Accutest Laboratories SE Metals Digestion Log Soil

MP #: 30207

Method of Digestion: SW846-3050B

Prep Date/Time (mm/dd/yy 24:00): 4/5/16 9:53 Spk. Sol. ^A Volume Used (ml) Pipette #
 HotBlock I.D. 6974CECW3279 ACC 938 1.00 10
 Thermometer I.D. 213 ACC 894 0.50 10
 Correction Factor (°C) -1 Met 5301 0.50 10
 Temperature Observed/Corrected (°C) 95.194 Filter Lot#: 150928009
 Balance I.D. ADVPRO3 Dig. Tube Lot# 1504103
 Added ^B: H₂O₂ HNO₃ HCL PTFE Boiling Chips
 Lot# 152514 1115100 4115080 R263-5K012

Sample #	Wt., g	Final Volume (ml)	Comments
Method Blank (MB)	5.00	100.0	
Spike Blank (SB)	5.00		
Matrix Spike (MS)	5.22		
Matrix Spike Dup (MSD)	5.31		
Duplicate (DUP)	5.00		
1 QC ^C FA31071-1 ^{D1}	5.21		
2 D2- FA31071-1	5.16		
3	5	5.30	
4	8	5.39	
5	11	5.41	
6	15	5.32	
7	18	5.12	
8	22	5.34	
9	24	5.21	
10	26	5.21	
11	29	5.27	
12	33	5.47	
13	38	5.18	
14 FA31072-1	5.32		
15	5	5.20	
16	6	5.05	
17	9	5.22	
18	12	5.06	
19	15	5.31	
20			
21 ^E			
22 ^E			
23 ^E			
24 ^E			

Analyst: 2.129 Date: 4/5/16
 QC Review: [Signature] Date: 4.5.16'

A Used for SB, MS, MSD
 B For reagent volumes used consult SOP MET 104, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional Matrix QC

icpsoidigestionlog012010.xls

Rev 01/20/10 DM

* DB 4/5/16

7.3.2
7

SGS ACCUTEST IS PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.



e-Hardcopy 2.0
Automated Report

Technical Report for

Kemron Environmental Services, Inc

Ft Ord; CA

07202.2001

SGS Accutest Job Number: FA31672

Sampling Date: 02/23/16

Report to:

Kemron Environmental Services, Inc
4522 Joe Lloyd Way
Monterey, CA 93944
emiddleditch@gilbaneco.com

ATTN: Eric Middleditch

Total number of pages in report: 195



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Sue Bell 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001)
DoD ELAP (L-A-B L2229), CA (2937), TX (T104704404), PA (68-03573), VA (460177),
AK, AR, GA, KY, MA, NV, OK, UT, WA

This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.

Test results relate only to samples analyzed.

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Sample Summary

Kemron Environmental Services, Inc

Job No: FA31672

Ft Ord; CA

Project No: 07202.2001

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
FA31672-1	02/23/16	11:25 RPB	02/24/16	SO	Soil	02-32SC0000
FA31672-5	02/23/16	11:00 RPB	02/24/16	SO	Soil	02-41SC0000
FA31672-6	02/23/16	11:00 RPB	02/24/16	SO	Soil	02-41SC0000Q
FA31672-9	02/23/16	08:55 RPB	02/24/16	SO	Soil	02-42SC0000
FA31672-12	02/23/16	10:00 RPB	02/24/16	SO	Soil	02-43SC0000
FA31672-15	02/23/16	08:45 RPB	02/24/16	SO	Soil	02-50SC0000
FA31672-18	02/23/16	10:15 RPB	02/24/16	SO	Soil	02-73SC0000
FA31672-21	02/23/16	09:35 RPB	02/24/16	SO	Soil	02-74SC0000
FA31672-24	02/23/16	13:50 RPB	02/24/16	SO	Soil	02-33SC0000
FA31672-27	02/23/16	14:36 RPB	02/24/16	AQ	Equipment Blank	02-ER04SC

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE



Client: Kemron Environmental Services, Inc

Job No: FA31672

Site: Ft Ord; CA

Report Date: 4/7/2016 9:52:42 AM

10 Sample(s) were collected on 02/23/2016 and were received at SGS Accutest Southeast (SASE) on 02/24/2016 properly preserved, at 3.2 Deg. C and intact. These Samples received an SASE job number of FA31672. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix: AQ

Batch ID: MP30039

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA31627-2DUP, FA31627-2MS, FA31627-2MSD, FA31627-2PS, FA31627-2SDL were used as the QC samples for metals.

Matrix: SO

Batch ID: MP30207

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA31671-1DUP, FA31671-1MSD, FA31671-1SDL, FA31671-1PS were used as the QC samples for metals.

Matrix Spike Duplicate Recovery(s) for Lead are outside control limits. Probable cause is due to matrix interference.

MP30207-PS1 for Lead: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

MP30207-S1 for Lead: Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

Matrix: SO

Batch ID: MP30214

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA31672-18DUP, FA31672-18MS, FA31672-18MSD, FA31672-18SDL, FA31672-18PS were used as the QC samples for metals.

MP30214-PS1 for Lead: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Date: April 7, 2016

Kim Benham, Client Services (signature on file)

Thursday, April 07, 2016

Page 1 of 1

Summary of Hits

Job Number: FA31672
Account: Kemron Environmental Services, Inc
Project: Ft Ord; CA
Collected: 02/23/16



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA31672-1	02-32SC0000					
Lead		6.8	1.9	0.38	mg/kg	SW846 6010C
FA31672-5	02-41SC0000					
Lead		36.5	1.9	0.38	mg/kg	SW846 6010C
FA31672-6	02-41SC0000Q					
Lead		26.5	2.0	0.40	mg/kg	SW846 6010C
FA31672-9	02-42SC0000					
Lead		19.2	1.9	0.38	mg/kg	SW846 6010C
FA31672-12	02-43SC0000					
Lead		27.2	2.0	0.40	mg/kg	SW846 6010C
FA31672-15	02-50SC0000					
Lead		39.3	1.9	0.38	mg/kg	SW846 6010C
FA31672-18	02-73SC0000					
Lead		37.2	1.9	0.38	mg/kg	SW846 6010C
FA31672-21	02-74SC0000					
Lead		15.0	1.9	0.37	mg/kg	SW846 6010C
FA31672-24	02-33SC0000					
Lead		12.3	1.9	0.37	mg/kg	SW846 6010C
FA31672-27	02-ER04SC					

No hits reported in this sample.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: 02-32SC0000	Date Sampled: 02/23/16
Lab Sample ID: FA31672-1	Date Received: 02/24/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.1
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	6.8	1.9	0.38	0.094	mg/kg	5	04/05/16	04/05/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13075

(2) Prep QC Batch: MP30207

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-41SC0000	Date Sampled: 02/23/16
Lab Sample ID: FA31672-5	Date Received: 02/24/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.2
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	36.5	1.9	0.38	0.096	mg/kg	5	04/05/16	04/05/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13075

(2) Prep QC Batch: MP30207

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-41SC0000Q	Date Sampled: 02/23/16
Lab Sample ID: FA31672-6	Date Received: 02/24/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.3
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	26.5	2.0	0.40	0.099	mg/kg	5	04/05/16	04/05/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13075

(2) Prep QC Batch: MP30207

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-42SC0000	Date Sampled: 02/23/16
Lab Sample ID: FA31672-9	Date Received: 02/24/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.4
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	19.2	1.9	0.38	0.096	mg/kg	5	04/05/16	04/05/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13075

(2) Prep QC Batch: MP30207

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-43SC0000	Date Sampled: 02/23/16
Lab Sample ID: FA31672-12	Date Received: 02/24/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.5
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	27.2	2.0	0.40	0.099	mg/kg	5	04/05/16	04/05/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13075

(2) Prep QC Batch: MP30207

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-50SC0000	Date Sampled: 02/23/16
Lab Sample ID: FA31672-15	Date Received: 02/24/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.6
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	39.3	1.9	0.38	0.094	mg/kg	5	04/05/16	04/05/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13075

(2) Prep QC Batch: MP30207

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-73SC0000	Date Sampled: 02/23/16
Lab Sample ID: FA31672-18	Date Received: 02/24/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.7
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	37.2	1.9	0.38	0.095	mg/kg	5	04/06/16	04/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13079

(2) Prep QC Batch: MP30214

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-74SC0000	
Lab Sample ID: FA31672-21	Date Sampled: 02/23/16
Matrix: SO - Soil	Date Received: 02/24/16
	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.8
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	15.0	1.9	0.37	0.094	mg/kg	5	04/06/16	04/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13079

(2) Prep QC Batch: MP30214

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-33SC0000	Date Sampled: 02/23/16
Lab Sample ID: FA31672-24	Date Received: 02/24/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.9
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	12.3	1.9	0.37	0.093	mg/kg	5	04/06/16	04/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13079

(2) Prep QC Batch: MP30214

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-ER04SC	Date Sampled: 02/23/16
Lab Sample ID: FA31672-27	Date Received: 02/24/16
Matrix: AQ - Equipment Blank	Percent Solids: n/a
Project: Ft Ord; CA	

4.10
4

Total Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.0 U	5.0	2.0	1.1	ug/l	1	02/29/16	02/29/16 LM	SW846 6010C ¹	SW846 3010A ²

- (1) Instrument QC Batch: MA12998
- (2) Prep QC Batch: MP30039

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection J = Indicates a result > = DL (MDL) but < LOQ

Misc. Forms**Custody Documents and Other Forms**

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # *RP-022316-01*



FA31672

Project Name: Fort Ord <i>D V H Z L G H 5 D Q J H S V V H V P</i>	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - <i>5 5</i>	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Analytical Test Method SW8330B - Explosives	SW6010C - Lead	SW8330B - Explosives by ISM	SW6010C - Lead by ISM	Code Matrix
					SO SOIL
Equipment:					Code Container/Preservative
					2 2" 1L amber, 4 degrees C
					1 1" 1.0-1.5 kilogram bag
					13 1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016									
Sample ID	Matrix	Date	Time	Samp Init.			Location ID	Sample Type	Depth (ft bgs) Top - Bottom
① 02-32SC0000	SO	2/23/16	1125	TR		X	02-32	NI	0.0 0.5
② 02-32SC0001			1145	TR			02-32	NI	1.0 1.5 HOLD
③ 02-32SC0001Q			1145	TR			02-32	FO	1.0 1.5 HOLD
④ 02-32SC0002			1200	TR			02-32	NI	2.0 2.5 HOLD
⑤ 02-41SC0000			1100	RP			02-41	NI	0.0 0.5
⑥ 02-41SC0000Q			1100	RP			02-41	NI	0.0 0.5
⑦ 02-41SC0001			1122	RP			02-41	NI	1.0 1.5 HOLD
⑧ 02-41SC0002			1134	RP			02-41	NI	2.0 2.5 HOLD
⑨ 02-42SC0000			0855	TR			02-42	NI	0.0 0.5

Relinquished by: <i>(Signature)</i>	Date	Time	Received by: <i>(Signature)</i>	Date	Time	Shipping Date / Carrier / Airbill Number
<i>(Signature)</i>	2/23/16	NOON	EX			
EX			<i>(Signature)</i>	2-24-16	12:45	
						Received by Laboratory: <i>(Signature, Date, Time) & condition</i>

ENV.COC_Record
July 06, 2015

3-2 3.6

Page 1 of 3

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CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # RP-022316-02
1-8

FA31672



Project Name: Fort Ord § D V H Z L G H 5 D O J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW8330B - Explosives	SW8010C - Lead	SW8330B - Explosives by ISM	SW8010C - Lead by ISM	Code Matrix
						SO SOIL
						Code Container/Preservative
						2 2" 1L amber, 4 degrees C
						1 1" 1.0-1.5 kilogram bag
						13 1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016

Sample ID	Matrix	Date	Time	Samp Init.	Location ID	Sample Type	Depth (ft bgs)		
							Top	Bottom	
10 1 02-42SC0001	SO	02/23/16	0910	TR	02-42	N1	1.0	1.5	HOLD
11 2 02-42SC0002			0925	TR	02-42	N1	2.0	2.5	HOLD
12 3 02-43SC0000			1000	TR	02-43	N1	0.0	0.5	
13 4 02-43SC0001			1020	TR	02-43	N1	1.0	1.5	HOLD
14 5 02-43SC0002			1050	TR	02-43	N1	2.0	2.5	HOLD
15 6 02-50SC0000			0845	RP	02-50	N1	0.0	0.5	
16 7 02-50SC0001			0858	RP	02-50	N1	1.0	1.5	HOLD
17 8 02-50SC0002			0925	RP	02-50	N1	2.0	2.5	HOLD
18 9 02-73SC0000			1015	RP	02-73	N1	0.0	0.5	

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	2/23/16	1600	FX			
FX			J. Corral (ALB)	2-24-16	12:45	
						Received by Laboratory: (Signature, Date, Time) & condition

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FA31672: Chain of Custody
Page 2 of 5

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # RP-022316-03
1-8



FA 31672

Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW8330B - Explosives SW8010C - Lead SW8330B - Explosives by ISM SW8010C - Lead by ISM	Code Matrix
			Code Container/Preservative
			SO SOIL
			WQ WATER QUALITY CONTROL MATRIX
			2 2* 1L amber, 4 degrees C
			1 1* 1.0-1.5 kilogram bag
			13 1* 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016

Sample ID	Matrix	Date	Time	Samp Init.	Location ID	Sample Type	Depth (ft bgs) Top - Bottom	
19 02-7350001	SO	2/23/16	1025	RP	02-73	NI	1.0 1.5	HOLD
20 02-7350002			1036		02-73	NI	2.0 2.5	HOLD
21 02-7450000			0935		02-74	NI	0.0 0.5	
22 02-7450001			0948		02-74	NI	1.0 1.5	HOLD
23 02-7450002			0957		02-74	NI	2.0 2.5	HOLD
24 02-3350000	SO	2/23/16	1350	TP	02-33	NI	0.0 0.5	
25 02-3350001			1400		02-33	NI	1.0 1.5	HOLD
26 02-3350002			1415		02-33	NI	2.0 2.5	HOLD
27 02-ER04SC			1436	DB	Field QC	EB	NA NA	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	2/23/16	1600	FX			
FX			J. Corne (AAR)	2-24-16	12:45	
						Received by Laboratory: (Signature, Date, Time) & condition

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ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA31672 CLIENT: GLBANE PROJECT: FORT OGD
 DATE/TIME RECEIVED: 2-24-16 12:43 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 2
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER DELIVERY OTHER: _____
 AIRBILL NUMBERS: 8088 8917 8975

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM _____ 5-GRAM _____
 NUMBER OF 5035 FIELD KITS ? _____
 NUMBER OF LAB FILTERED METALS ? _____

TEST STRIP LOT#s pH 0-3 204413A

pH 10-12 219813A

OTHER (specify) _____

SUMMARY OF COMMENTS: _____

TEMPERATURE INFORMATION

IR THERM ID 1 CORR. FACTOR +0.2
 OBSERVED TEMPS: 3.0 3.4
 CORRECTED TEMPS: 3.2 3.6 (USED FOR LIMS)

SAMPLE INFORMATION

- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- % SOLIDS JAR NOT RECEIVED
- RESIDUAL CHLORINE PRESENT LOT# _____

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

TECHNICIAN SIGNATURE/DATE Je 2-25-16
 NF 11/15

REVIEWER SIGNATURE/DATE [Signature] 2/25/16
 receipt confirmation 111015.xls

5.1
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QC Evaluation: DOD QSM5 Limits

Job Number: FA31672
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 02/23/16

QC Sample ID	CAS#	Analyte	Sample Result Type	Result Type	Result	Units	Limits
MP30039 SW846 6010C							
MP30039-B1	7439-92-1	Lead	BSP	REC	103	%	86-113
MP30039-S1*	7439-92-1	Lead	MS	REC	101.4	%	86-113
MP30039-S2*	7439-92-1	Lead	MSD	REC	103.2	%	86-113
MP30039-S2*	7439-92-1	Lead	MSD	RPD	1.8	%	20
MP30039-D1*	7439-92-1	Lead	DUP	RPD	0	%	20
MP30207 SW846 6010C							
MP30207-B1	7439-92-1	Lead	BSP	REC	95	%	81-112
MP30207-S1*	7439-92-1	Lead	MS	REC	118 ^a	%	81-112
MP30207-S2*	7439-92-1	Lead	MSD	REC	78.6 ^a	%	81-112
MP30207-S2*	7439-92-1	Lead	MSD	RPD	5.6	%	20
MP30207-D1*	7439-92-1	Lead	DUP	RPD	2.8	%	20
MP30207-D2*	7439-92-1	Lead	DUP	RPD	.5	%	20
MP30214 SW846 6010C							
MP30214-B1	7439-92-1	Lead	BSP	REC	93	%	81-112
MP30214-S1	7439-92-1	Lead	MS	REC	97.2	%	81-112
MP30214-S2	7439-92-1	Lead	MSD	REC	83.9	%	81-112
MP30214-S2	7439-92-1	Lead	MSD	RPD	2.6	%	20
MP30214-D1	7439-92-1	Lead	DUP	RPD	3.3	%	20
MP30214-D2	7439-92-1	Lead	DUP	RPD	.5	%	20

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

* Sample used for QC is not from job FA31672

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 5

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
Analyst: LM Run ID: MA12998
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:07	MA12998-STD1	1		STDA
10:11	MA12998-STD2	1		STDB
10:18	MA12998-STD3	1		STDD
10:25	MA12998-STD4	1		STDC
10:29	MA12998-HSTD1	1		
10:36	MA12998-ICV1	1		
10:43	MA12998-ICB1	1		
10:46	MA12998-CR1A1	1		
10:53	MA12998-ICSA1	1		
10:58	MA12998-ICSAB1	1		
11:08	MA12998-CCV1	1		
11:16	MA12998-CCB1	1		
11:39	MP30039-MB1	1		
11:43	MP30039-B1	1		
11:47	FA31627-2	1		(sample used for QC only; not part of login FA31672)
11:52	MP30039-D1	1		
11:56	MP30039-SD1	5		
12:01	MP30039-PS1	1		
12:05	MP30039-S1	1		
12:09	MP30039-S2	1		
12:13	ZZZZZZ	1		
12:18	ZZZZZZ	1		
12:22	MA12998-CCV2	1		
12:26	MA12998-CCB2	1		
12:31	ZZZZZZ	1		
12:35	ZZZZZZ	1		
12:40	ZZZZZZ	1		
12:44	ZZZZZZ	1		
12:49	ZZZZZZ	1		
12:53	ZZZZZZ	1		
12:58	ZZZZZZ	1		
13:02	ZZZZZZ	1		
13:06	ZZZZZZ	1		

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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA022916M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 02/29/16
Run ID: MA12998
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:11	ZZZZZZ	1		
13:15	MA12998-CCV3	1		
13:19	MA12998-CCB3	1		
13:24	ZZZZZZ	1		
13:29	ZZZZZZ	1		
13:33	ZZZZZZ	1		
13:38	ZZZZZZ	1		
13:42	FA31672-27	1		
----->	Last reportable sample/prep for job FA31672			
13:46	ZZZZZZ	1		
13:51	ZZZZZZ	1		
13:55	MP30042-MB1	1		
14:00	MP30042-B1	1		
14:04	FA31387-1	1		(sample used for QC only; not part of login FA31672)
14:09	MA12998-CCV4	1		
14:13	MA12998-CCB4	1		
14:17	MP30042-D1	1		
14:22	MP30042-SD1	5		
14:27	MP30042-S1	1		
14:31	MP30042-S2	1		
14:36	FA31502-1L	1		(sample used for QC only; not part of login FA31672)
14:40	ZZZZZZ	1		
14:45	ZZZZZZ	1		
14:49	ZZZZZZ	1		
14:54	MP30042-D2	1		
14:58	MP30042-MB2	1		
15:03	MA12998-CCV5	1		
15:07	MA12998-CCB5	1		
15:11	MP30042-B2	1		
15:16	MP30042-MB3	1		
15:20	MP30042-B3	1		
15:25	MP30043-MB1	1		
15:29	MP30043-B1	1		
15:33	FA31659-1	1		(sample used for QC only; not part of login FA31672)

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA022916M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 02/29/16
Run ID: MA12998
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:38	MP30043-D1	1		
15:42	MP30043-SD1	5		
15:46	MP30043-PS1	1		
15:51	MP30043-S1	1		
15:55	MA12998-CCV6	1		
15:59	MA12998-CCB6	1		
16:04	MP30043-S2	1		
16:08	MA12998-CRIA2	1		
16:12	MA12998-ICSA2	1		
16:17	MA12998-ICSAB2	1		
16:40	MA12998-CCV7	1		
16:44	MA12998-CCB7	1		

-----> Last reportable CCB for job FA31672
Refer to raw data for calibration curve and standards.

6.1
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INTERNAL STANDARD SUMMARY

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA12998
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:07	MA12998-STD1	5183	39850	3614	2801
10:11	MA12998-STD2	5092	38990	3575	2595
10:18	MA12998-STD3	4594	36028	3497	2100
10:25	MA12998-STD4	4833	36911	3497	2302
10:29	MA12998-HSTD1	4554	35133	3407	2076
10:36	MA12998-ICV1	4713	36505	3488	2251
10:43	MA12998-ICB1	5147 R	39594 R	3605 R	2787 R
10:46	MA12998-CR1A1	4942	37513	3465	2584
10:53	MA12998-ICSA1	4348	32928	3313	1984
10:58	MA12998-ICSAB1	4409	32918	3263	1980
11:08	MA12998-CCV1	4773	36688	3440	2266
11:16	MA12998-CCB1	5113	38833	3477	2757
11:39	MP30039-MB1	4950	38396	3421	2682
11:43	MP30039-B1	4768	36666	3392	2359
11:47	FA31627-2	4652	36454	3404	2384
11:52	MP30039-D1	4737	37066	3391	2444
11:56	MP30039-SD1	4808	37586	3404	2575
12:01	MP30039-PS1	4757	37576	3473	2405
12:05	MP30039-S1	4704	36299	3290	2285
12:09	MP30039-S2	4648	35571	3235	2257
12:13	ZZZZZZ	4591	36140	3329	2354
12:18	ZZZZZZ	4804	37889	3510	2479
12:22	MA12998-CCV2	4821	37110	3447	2317
12:26	MA12998-CCB2	4945	38130	3394	2710
12:31	ZZZZZZ	4743	37394	3416	2449
12:35	ZZZZZZ	4789	37973	3492	2508
12:40	ZZZZZZ	4483	35201	3387	2247
12:44	ZZZZZZ	4699	36371	3304	2450
12:49	ZZZZZZ	4791	37997	3420	2519
12:53	ZZZZZZ	4647	37110	3418	2393
12:58	ZZZZZZ	4704	37066	3444	2441
13:02	ZZZZZZ	4582	36514	3394	2368
13:06	ZZZZZZ	4648	36791	3388	2381

INTERNAL STANDARD SUMMARY

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA12998
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:11	ZZZZZZ	4724	37784	3416	2510
13:15	MA12998-CCV3	4719	37589	3424	2300
13:19	MA12998-CCB3	4991	39611	3574	2750
13:24	ZZZZZZ	4470	35119	3258	2236
13:29	ZZZZZZ	4759	37356	3281	2532
13:33	ZZZZZZ	4760	37970	3350	2541
13:38	ZZZZZZ	4717	37389	3337	2512
13:42	FA31672-27	4779	37820	3363	2541
13:46	ZZZZZZ	4625	36736	3319	2425
13:51	ZZZZZZ	4567	36537	3314	2364
13:55	MP30042-MB1	4893	39528	3461	2715
14:00	MP30042-B1	4784	38198	3497	2434
14:04	FA31387-1	4690	36619	3370	2400
14:09	MA12998-CCV4	4698	36962	3373	2293
14:13	MA12998-CCB4	4851	38740	3421	2697
14:17	MP30042-D1	4648	36325	3359	2390
14:22	MP30042-SD1	4803	37716	3372	2583
14:27	MP30042-S1	4588	36409	3354	2264
14:31	MP30042-S2	4632	37059	3468	2286
14:36	FA31502-1L	4659	36988	3413	2421
14:40	ZZZZZZ	4662	36957	3423	2426
14:45	ZZZZZZ	4598	36549	3383	2401
14:49	ZZZZZZ	4634	36794	3442	2394
14:54	MP30042-D2	4571	35983	3324	2376
14:58	MP30042-MB2	4635	37035	3400	2423
15:03	MA12998-CCV5	4665	37254	3389	2298
15:07	MA12998-CCB5	4827	38974	3468	2696
15:11	MP30042-B2	4569	36234	3389	2269
15:16	MP30042-MB3	4585	36566	3366	2398
15:20	MP30042-B3	4525	36236	3357	2250
15:25	MP30043-MB1	4844	39560	3473	2743
15:29	MP30043-B1	4757	37903	3366	2442
15:33	FA31659-1	5569	43358	3924	2359

INTERNAL STANDARD SUMMARY

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA12998
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:38	MP30043-D1	5446	42792	3908	2369
15:42	MP30043-SD1	5017	39917	3543	2536
15:46	MP30043-PS1	5574	43665	3900	2365
15:51	MP30043-S1	5448	42712	3876	2296
15:55	MA12998-CCV6	4558	36959	3347	2262
15:59	MA12998-CCB6	4798	38786	3331	2704
16:04	MP30043-S2	5429	41738	3778	2282
16:08	MA12998-CRIA2	4693	38245	3383	2573
16:12	MA12998-ICSA2	4164	33194	3145	1992
16:17	MA12998-ICSAB2	4172	33019	3046	1970
16:40	MA12998-CCV7	4583	37188	3290	2285
16:44	MA12998-CCB7	4792	38714	3279	2722

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.1.1
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BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA022916M1.ICP
 QC Limits: result < RL

Date Analyzed: 02/29/16
 Run ID: MA12998

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		10:43		11:16		12:26		13:19		
	Sample ID:	RL	IDL	ICB1	final	CCB1	final	CCB2	final	CCB3	final
Aluminum	200	14									
Antimony	6.0	1									
Arsenic	10	1.3	anr								
Barium	200	1	anr								
Beryllium	4.0	.2									
Cadmium	5.0	.2	anr								
Calcium	1000	50									
Chromium	10	1	anr								
Cobalt	50	.2									
Copper	25	1	anr								
Iron	300	17	anr								
Lead	5.0	1	0.30	<5.0	-0.10	<5.0	-0.10	<5.0	-0.20	<5.0	
Magnesium	5000	35									
Manganese	15	.5	anr								
Molybdenum	50	.3									
Nickel	40	.4									
Potassium	10000	200									
Selenium	10	2.4	anr								
Silver	10	.7	anr								
Sodium	10000	500									
Strontium	10	.5									
Thallium	10	1.1									
Tin	50	.9									
Titanium	10	.5									
Vanadium	50	.5									
Zinc	20	3	anr								

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA022916M1.ICP
 QC Limits: result < RL

Date Analyzed: 02/29/16
 Run ID: MA12998

Methods: SW846 6010C
 Units: ug/l

Time: Sample ID:	RL	IDL	14:13 CCB4 raw	final	15:07 CCB5 raw	final	15:59 CCB6 raw	final	16:44 CCB7 raw	final
Aluminum	200	14								
Antimony	6.0	1								
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2								
Cadmium	5.0	.2	anr							
Calcium	1000	50								
Chromium	10	1	anr							
Cobalt	50	.2								
Copper	25	1	anr							
Iron	300	17	anr							
Lead	5.0	1	-0.20	<5.0	0.0	<5.0	0.10	<5.0	-0.20	<5.0
Magnesium	5000	35								
Manganese	15	.5	anr							
Molybdenum	50	.3								
Nickel	40	.4								
Potassium	10000	200								
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500								
Strontium	10	.5								
Thallium	10	1.1								
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5								
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA12998 Units: ug/l

Metal	Time:		10:36		11:08		12:22		
	Sample ID:	ICV	ICV1	CCV	CCV1	CCV	CCV2		
	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	2000	2060	103.0	2000	2040	102.0	2000	1990	99.5
Magnesium									
Manganese	anr								
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA12998 Units: ug/l

Metal	Sample ID	Time: CCV	13:15 CCV3		14:09 CCV4		15:03 CCV5			
			Results	% Rec	Results	% Rec	Results	% Rec		
Aluminum										
Antimony										
Arsenic	anr									
Barium	anr									
Beryllium										
Cadmium	anr									
Calcium										
Chromium	anr									
Cobalt										
Copper	anr									
Iron	anr									
Lead	2000		1990	99.5	2000	1990	99.5	2000	1990	99.5
Magnesium										
Manganese	anr									
Molybdenum										
Nickel										
Potassium										
Selenium	anr									
Silver	anr									
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc	anr									

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA12998 Units: ug/l

Metal	Sample ID	Time: 15:55		Time: 16:40		
		CCV	CCV6	CCV	CCV7	
	True	Results	% Rec	True	Results	% Rec
Aluminum						
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	anr					
Iron	anr					
Lead	2000	2020	101.0	2000	1980	99.0
Magnesium						
Manganese	anr					
Molybdenum						
Nickel						
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA12998 Units: ug/l

Time:	10:29
Sample ID:	HSTD1
Metal	True
Results	% Rec

Aluminum			
Antimony			
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium	anr		
Calcium			
Chromium	anr		
Cobalt			
Copper	anr		
Iron	anr		
Lead	4000	4060	101.5
Magnesium			
Manganese	anr		
Molybdenum			
Nickel			
Potassium			
Selenium	anr		
Silver	anr		
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA12998 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	10:46 CRIA1 Results	% Rec	16:08 CRIA2 Results	% Rec
Metal						
Aluminum	400	200				
Antimony	10	5.0				
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0	anr			
Calcium	2000	1000				
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	5.4	108.0	5.3	106.0
Magnesium	10000	5000				
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000				
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000				
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA31672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA022916M1.ICP Date Analyzed: 02/29/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA12998 Units: ug/l

Time:	ICSAB	ICSAB	10:53		10:58		16:12		16:17	
Sample ID:	True	True	ICSAB1	% Rec	ICSAB1	% Rec	ICSAB2	% Rec	ICSAB2	% Rec
Metal			Results		Results		Results		Results	% Rec
Aluminum	500000	500000	519000	103.8	511000	102.2	530000	106.0	538000	107.6
Antimony		1000	1.2		1020	102.0	3.7		1050	105.0
Arsenic		1000	-0.90		1090	109.0	-1.0		1100	110.0
Barium		500	-0.10		568	113.6	-0.30		597	119.4
Beryllium		500	-0.10		565	113.0	0.0		569	113.8
Cadmium		1000	-0.50		1010	101.0	-1.4		1040	104.0
Calcium	500000	500000	497000	99.4	490000	98.0	483000	96.6	485000	97.0
Chromium		500	0.60		533	106.6	0.80		530	106.0
Cobalt		500	-0.30		508	101.6	-0.40		541	108.2
Copper		500	0.0		594	118.8	0.60		612	122.4*(a)
Iron	200000	200000	196000	98.0	191000	95.5	197000	98.5	196000	98.0
Lead		1000	0.10		1030	103.0	-5.2		995	99.5
Magnesium	500000	500000	534000	106.8	525000	105.0	513000	102.6	514000	102.8
Manganese		500	-0.10		563	112.6	-0.40		540	108.0
Molybdenum		1000	-0.40		962	96.2	-0.50		1030	103.0
Nickel		1000	0.40		1010	101.0	0.30		1030	103.0
Potassium			2.4		3.1		45.4		4.3	
Selenium		1000	0.0		1010	101.0	-0.20		1050	105.0
Silver		1000	-0.30		1090	109.0	-0.80		1100	110.0
Sodium			139		160		159		165	
Strontium		1000	0.20		1050	105.0	0.10		1030	103.0
Thallium		1000	-0.50		967	96.7	1.6		935	93.5
Tin		1000	1.6		948	94.8	1.4		932	93.2
Titanium		1000	-0.30		1040	104.0	-0.20		995	99.5
Vanadium		500	0.10		511	102.2	0.60		488	97.6
Zinc		1000	-2.6		1030	103.0	-3.4		1030	103.0

(*) Outside of QC limits
(anr) Analyte not requested
(a) Possible instrument baseline drift.

6.1.6
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040516M1.ICP Date Analyzed: 04/05/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13075
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:13	MA13075-STD1	1		STDA
09:17	MA13075-STD2	1		STDB
09:21	MA13075-STD3	1		STDC
09:25	MA13075-STD4	1		STDD
09:30	MA13075-HSTD1	1		
09:38	MA13075-ICV1	1		
09:46	MA13075-ICB1	1		
09:50	MA13075-CR1A1	1		
09:57	MA13075-ICSA1	1		
10:03	MA13075-ICSAB1	1		
10:10	MA13075-CCV1	1		
10:17	MA13075-CCB1	1		
10:28	ZZZZZZ	4		
10:32	ZZZZZZ	2		
10:36	ZZZZZZ	4		
10:41	ZZZZZZ	2		
10:45	ZZZZZZ	4		
10:49	ZZZZZZ	4		
10:54	ZZZZZZ	2		
10:58	ZZZZZZ	2		
11:02	ZZZZZZ	10		
11:07	MA13075-CCV2	1		
11:11	MA13075-CCB2	1		
11:16	ZZZZZZ	5		
11:20	MP30204-MB1	1		
11:24	MP30204-B1	1		
11:29	FA32638-9	1		(sample used for QC only; not part of login FA31672)
11:33	MP30204-D1	1		
11:37	MP30204-SD1	5		
11:42	MP30204-PS1	1		
11:46	MP30204-S1	1		
11:50	MP30204-S2	1		
11:55	ZZZZZZ	1		

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040516M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 04/05/16
Run ID: MA13075
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:59	MA13075-CCV3	1		
12:03	MA13075-CCB3	1		
12:08	ZZZZZZ	1		
12:12	ZZZZZZ	1		
12:17	ZZZZZZ	1		
12:21	ZZZZZZ	1		
12:26	ZZZZZZ	1		
12:30	ZZZZZZ	1		
12:35	ZZZZZZ	1		
12:39	ZZZZZZ	1		
12:43	ZZZZZZ	1		
12:48	ZZZZZZ	1		
12:52	MA13075-CCV4	1		
12:57	MA13075-CCB4	1		
13:01	ZZZZZZ	1		
13:06	ZZZZZZ	1		
13:10	ZZZZZZ	1		
13:15	ZZZZZZ	1		
13:19	ZZZZZZ	1		
13:24	ZZZZZZ	1		
13:28	ZZZZZZ	1		
13:35	ZZZZZZ	1		
13:40	MA13075-CCV5	1		
13:44	MA13075-CCB5	1		
14:14	MA13075-ICV2	1		
14:20	MA13075-CCV6	1		
14:28	MA13075-CCB6	1		
14:36	MP30207-MB1	5		
14:41	MP30207-B1	5		
14:45	FA31671-1	5		(sample used for QC only; not part of login FA31672)
14:50	MP30207-D1	5		
14:54	MP30207-D2	5		
14:58	MP30207-SD1	25		

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040516M1.ICP Date Analyzed: 04/05/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13075
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:03	MP30207-PS1	5		
15:07	MP30207-S1	5		
15:11	MP30207-S2	5		
15:15	ZZZZZZ	5		
15:20	MA13075-CCV7	1		
15:24	MA13075-CCB7	1		
15:29	ZZZZZZ	5		
15:33	ZZZZZZ	5		
15:37	ZZZZZZ	5		
15:42	ZZZZZZ	5		
15:46	ZZZZZZ	5		
15:50	ZZZZZZ	5		
15:55	ZZZZZZ	5		
15:59	ZZZZZZ	5		
16:03	ZZZZZZ	5		
16:08	ZZZZZZ	5		
16:12	MA13075-CCV8	1		
16:17	MA13075-CCB8	1		
16:21	FA31672-1	5		
16:25	FA31672-5	5		
16:30	FA31672-6	5		
16:34	FA31672-9	5		
16:39	FA31672-12	5		
16:43	FA31672-15	5		
----->	Last reportable sample/prep for job FA31672			
16:47	MA13075-CRIA2	1		
16:52	MA13075-ICSA2	1		
16:56	MA13075-ICSAB2	1		
17:01	MA13075-CCV9	1		
17:05	MA13075-CCB9	1		
----->	Last reportable CCB for job FA31672 Refer to raw data for calibration curve and standards.			

6.2
6

INTERNAL STANDARD SUMMARY

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040516M1.ICP Date Analyzed: 04/05/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13075
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:13	MA13075-STD1	5247	41674	4327	2716
09:17	MA13075-STD2	5180	41223	4320	2592
09:21	MA13075-STD3	5002	40180	4296	2382
09:25	MA13075-STD4	4807	39025	4160	2222
09:30	MA13075-HSTD1	4799	38968	4136	2213
09:38	MA13075-ICV1	4967	39874	4186	2368
09:46	MA13075-ICB1	5258 R	41746 R	4209 R	2744 R
09:50	MA13075-CR1A1	5199	40933	4169	2662
09:57	MA13075-ICSA1	4646	35926	3961	2167
10:03	MA13075-ICSAB1	4606	36231	4005	2135
10:10	MA13075-CCV1	4834	38942	4127	2337
10:17	MA13075-CCB1	5130	41277	4293	2700
10:28	ZZZZZZ	5598	44402	4645	2632
10:32	ZZZZZZ	5944	46860	4954	2651
10:36	ZZZZZZ	5615	44645	4683	2642
10:41	ZZZZZZ	5734	45294	4774	2612
10:45	ZZZZZZ	5609	44647	4606	2654
10:49	ZZZZZZ	5631	44952	4685	2626
10:54	ZZZZZZ	5712	45536	4747	2610
10:58	ZZZZZZ	4999	40196	4326	2371
11:02	ZZZZZZ	5766	46118	4720	2645
11:07	MA13075-CCV2	4904	39665	4206	2377
11:11	MA13075-CCB2	5141	41348	4250	2698
11:16	ZZZZZZ	6026	47976	4980	2590
11:20	MP30204-MB1	5115	41268	4205	2697
11:24	MP30204-B1	4925	39460	4134	2449
11:29	FA32638-9	5053	41190	4240	2624
11:33	MP30204-D1	5103	41411	4243	2641
11:37	MP30204-SD1	5164	41807	4222	2701
11:42	MP30204-PS1	5031	40641	4181	2570
11:46	MP30204-S1	4910	39665	4150	2420
11:50	MP30204-S2	4922	39772	4184	2422
11:55	ZZZZZZ	5155	41513	4246	2671

6.2.1
6

INTERNAL STANDARD SUMMARY

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040516M1.ICP Date Analyzed: 04/05/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13075
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:59	MA13075-CCV3	4953	39526	4154	2394
12:03	MA13075-CCB3	5134	41132	4167	2708
12:08	ZZZZZZ	5153	41588	4288	2656
12:12	ZZZZZZ	5153	41756	4262	2690
12:17	ZZZZZZ	5144	40730	4239	2515
12:21	ZZZZZZ	5114	40853	4161	2631
12:26	ZZZZZZ	6167	48474	5095	2415
12:30	ZZZZZZ	5025	39767	4169	2487
12:35	ZZZZZZ	5199	41813	4271	2678
12:39	ZZZZZZ	5185	41656	4222	2697
12:43	ZZZZZZ	5208	41681	4195	2684
12:48	ZZZZZZ	5220	41932	4197	2720
12:52	MA13075-CCV4	4962	39792	4124	2366
12:57	MA13075-CCB4	5242	41699	4157	2720
13:01	ZZZZZZ	5241	41104	4248	2548
13:06	ZZZZZZ	5209	41541	4174	2647
13:10	ZZZZZZ	6218	48971	5147	2418
13:15	ZZZZZZ	5132	40204	4183	2513
13:19	ZZZZZZ	4732	37287	3994	2243
13:24	ZZZZZZ	4450	35511	3892	2097
13:28	ZZZZZZ	4831	38604	4022	2360
13:35	ZZZZZZ	4727	37976	3986	2308
13:40	MA13075-CCV5	4965	39718	4051	2379
13:44	MA13075-CCB5	5212	41450	4153	2703
14:14	MA13075-ICV2	4971	39709	4009	2358
14:20	MA13075-CCV6	5034	39999	4050	2369
14:28	MA13075-CCB6	5281	41523	4052	2716
14:36	MP30207-MB1	5363	42294	4136	2709
14:41	MP30207-B1	5366	41878	4090	2677
14:45	FA31671-1	5506	43059	4232	2631
14:50	MP30207-D1	5468	42940	4266	2611
14:54	MP30207-D2	5509	42969	4257	2634
14:58	MP30207-SD1	5432	42299	4118	2702

6.2.1
6

INTERNAL STANDARD SUMMARY

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040516M1.ICP Date Analyzed: 04/05/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13075
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:03	MP30207-PS1	5508	42721	4222	2612
15:07	MP30207-S1	5498	42918	4287	2567
15:11	MP30207-S2	5530	42827	4186	2590
15:15	ZZZZZZ	5460	42608	4159	2671
15:20	MA13075-CCV7	5155	40829	4052	2398
15:24	MA13075-CCB7	5378	42195	4091	2720
15:29	ZZZZZZ	5480	42854	4222	2628
15:33	ZZZZZZ	5537	43143	4257	2613
15:37	ZZZZZZ	5517	43091	4178	2612
15:42	ZZZZZZ	5596	43577	4294	2611
15:46	ZZZZZZ	5523	42903	4197	2649
15:50	ZZZZZZ	5533	42846	4170	2647
15:55	ZZZZZZ	5550	42935	4234	2648
15:59	ZZZZZZ	5579	43478	4230	2637
16:03	ZZZZZZ	5538	42746	4160	2652
16:08	ZZZZZZ	5643	43645	4227	2594
16:12	MA13075-CCV8	5185	40394	4015	2399
16:17	MA13075-CCB8	5402	41919	4043	2730
16:21	FA31672-1	5474	42354	4082	2683
16:25	FA31672-5	5602	43229	4162	2660
16:30	FA31672-6	5603	43131	4189	2663
16:34	FA31672-9	5623	43612	4217	2616
16:39	FA31672-12	5540	42589	4112	2652
16:43	FA31672-15	5480	42477	4124	2610
16:47	MA13075-CRIA2	5398	41966	4088	2666
16:52	MA13075-ICSA2	4808	36877	3791	2171
16:56	MA13075-ICSAB2	4780	36577	3759	2131
17:01	MA13075-CCV9	5159	40483	3978	2387
17:05	MA13075-CCB9	5390	42281	4012	2736

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040516M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/05/16
 Run ID: MA13075

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	09:46 ICB1		10:17 CCB1		11:11 CCB2		12:03 CCB3	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14	anr							
Antimony		6.0	1	anr							
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2	anr							
Cadmium		4.0	.2	anr							
Calcium		1000	50	anr							
Chromium		10	1	anr							
Cobalt		50	.2	anr							
Copper		25	1	anr							
Iron		300	17	anr							
Lead		5.0	1	0.0	<20	0.10	<20	-0.30	<5.0	-0.40	<5.0
Magnesium		5000	35	anr							
Manganese		15	.5	anr							
Molybdenum		50	.3	anr							
Nickel		40	.4	anr							
Potassium		10000	200	anr							
Selenium		10	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500	anr							
Strontium		10	.5	anr							
Thallium		10	1.1	anr							
Tin		50	.9	anr							
Titanium		10	.5	anr							
Vanadium		50	.5	anr							
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040516M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/05/16
 Run ID: MA13075

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	12:57 CCB4		13:44 CCB5		14:28 CCB6		15:24 CCB7	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14	anr							
Antimony		6.0	1	anr							
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2	anr							
Cadmium		4.0	.2	anr							
Calcium		1000	50								
Chromium		10	1	anr							
Cobalt		50	.2								
Copper		25	1								
Iron		300	17	anr							
Lead		5.0	1	0.0	<5.0	-0.10	<5.0	-0.20	<5.0	0.30	<5.0
Magnesium		5000	35								
Manganese		15	.5	anr							
Molybdenum		50	.3								
Nickel		40	.4	anr							
Potassium		10000	200								
Selenium		10	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500	anr							
Strontium		10	.5								
Thallium		10	1.1								
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040516M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/05/16
 Run ID: MA13075

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		16:17		17:05				
	Sample ID:	RL	IDL	CCB8	raw	final	CCB9	raw	final
Aluminum		200	14	anr					
Antimony		6.0	1	anr					
Arsenic		10	1.3	anr					
Barium		200	1	anr					
Beryllium		4.0	.2	anr					
Cadmium		4.0	.2	anr					
Calcium		1000	50						
Chromium		10	1	anr					
Cobalt		50	.2						
Copper		25	1						
Iron		300	17	anr					
Lead		5.0	1	0.0	<5.0	-0.50	<5.0		
Magnesium		5000	35						
Manganese		15	.5	anr					
Molybdenum		50	.3						
Nickel		40	.4	anr					
Potassium		10000	200						
Selenium		10	2.4	anr					
Silver		10	.7	anr					
Sodium		10000	500	anr					
Strontium		10	.5						
Thallium		10	1.1						
Tin		50	.9						
Titanium		10	.5						
Vanadium		50	.5						
Zinc		20	3	anr					

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040516M1.ICP Date Analyzed: 04/05/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13075 Units: ug/l

Metal	Time: Sample ID: ICV	09:38		CCV True	10:10		CCV True	11:07	
		ICV1	Results		CCV1	Results		CCV2	Results
		True	% Rec		% Rec			% Rec	
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	2010	100.5	2000	2080	104.0	2000	2050	102.5
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium	anr								
Thallium	anr								
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040516M1.ICP Date Analyzed: 04/05/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13075 Units: ug/l

Metal	Sample ID	Time: CCV	11:59 CCV3		12:52 CCV4		13:40 CCV5		
			Results	% Rec	True	Results	% Rec	True	Results
Aluminum		anr							
Antimony		anr							
Arsenic		anr							
Barium		anr							
Beryllium		anr							
Cadmium		anr							
Calcium									
Chromium		anr							
Cobalt									
Copper									
Iron		anr							
Lead	2000	2040	102.0	2000	2080	104.0	2000	2050	102.5
Magnesium									
Manganese		anr							
Molybdenum									
Nickel		anr							
Potassium									
Selenium		anr							
Silver		anr							
Sodium		anr							
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc		anr							

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040516M1.ICP Date Analyzed: 04/05/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13075 Units: ug/l

Metal	Time: Sample ID: ICV	14:14		CCV True	14:20		CCV True	15:20	
		ICV2	Results		CCV6	Results		CCV7	Results
	True		% Rec			% Rec			% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper									
Iron	anr								
Lead	2000	2000	100.0	2000	2000	100.0	2000	1980	99.0
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040516M1.ICP Date Analyzed: 04/05/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13075 Units: ug/l

Metal	Time:		16:12		17:01	
	Sample ID:	CCV	CCV8	% Rec	CCV	CCV9
	True		Results		True	Results
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper						
Iron	anr					
Lead	2000	1990	99.5	2000	1980	99.0
Magnesium						
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium						
Selenium	anr					
Silver	anr					
Sodium	anr					
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040516M1.ICP Date Analyzed: 04/05/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13075 Units: ug/l

Time:	09:30		
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	4000	4040	101.0
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium	anr		
Thallium	anr		
Tin	anr		
Titanium	anr		
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040516M1.ICP Date Analyzed: 04/05/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13075 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	09:50 CRIA1 Results	% Rec	16:47 CRIA2 Results	% Rec
Metal						
Aluminum	400	200	anr			
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	5.1	102.0	4.4	88.0
Magnesium	10000	5000	anr			
Manganese	30	15	anr			
Molybdenum	100	50	anr			
Nickel	80	40	anr			
Potassium	20000	10000	anr			
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10	anr			
Thallium	20	10	anr			
Tin	100	50	anr			
Titanium	20	10	anr			
Vanadium	100	50	anr			
Zinc	40	20	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA31672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040516M1.ICP Date Analyzed: 04/05/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13075 Units: ug/l

Time:	09:57	10:03	16:52	16:56						
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2						
Metal	True	True	Results	% Rec						
Aluminum	500000	500000	504000	100.8	497000	99.4	502000	100.4	513000	102.6
Antimony		1000	0.0		1030	103.0	0.0		981	98.1
Arsenic		1000	-1.5		1090	109.0	0.50		1040	104.0
Barium		500	-0.30		498	99.6	0.0		517	103.4
Beryllium		500	-0.10		495	99.0	0.0		496	99.2
Cadmium		1000	0.0		953	95.3	-1.1		913	91.3
Calcium	500000	500000	486000	97.2	481000	96.2	472000	94.4	474000	94.8
Chromium		500	0.10		504	100.8	0.20		498	99.6
Cobalt		500	-0.40		470	94.0	-0.20		461	92.2
Copper		500	-1.3		529	105.8	-0.40		537	107.4
Iron	200000	200000	184000	92.0	181000	90.5	184000	92.0	184000	92.0
Lead		1000	0.10		943	94.3	-5.6		923	92.3
Magnesium	500000	500000	514000	102.8	508000	101.6	526000	105.2	535000	107.0
Manganese		500	0.0		509	101.8	-0.30		491	98.2
Molybdenum		1000	0.20		941	94.1	1.3		927	92.7
Nickel		1000	-0.30		954	95.4	0.40		902	90.2
Potassium			-15		10.7		81.6		39.2	
Selenium		1000	-0.10		1020	102.0	1.7		986	98.6
Silver		1000	-0.30		1010	101.0	-0.10		1010	101.0
Sodium			146		153		118		116	
Strontium		1000	0.30		1030	103.0	0.10		990	99.0
Thallium		1000	0.0		955	95.5	-1.3		932	93.2
Tin		1000	0.70		942	94.2	1.3		935	93.5
Titanium		1000	-1.0		1020	102.0	0.30		982	98.2
Vanadium		500	-0.10		474	94.8	0.60		454	90.8
Zinc		1000	-3.0		964	96.4	-3.1		891	89.1

(*) Outside of QC limits
(anr) Analyte not requested

6.2.6
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040616M2.ICP Date Analyzed: 04/06/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13079
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:31	MA13079-STD1	1		STDA
12:40	MA13079-STD2	1		STDB
12:43	MA13079-STD3	1		STDC
12:47	MA13079-STD4	1		STDD
12:51	MA13079-HSTD1	1		
12:57	MA13079-ICV1	1		
13:05	MA13079-ICB1	1		
13:13	MA13079-CR1A1	1		
13:21	MA13079-ICSA1	1		
13:29	MA13079-ICSAB1	1		
13:35	MA13079-CCV1	1		
13:41	MA13079-CCB1	1		
13:45	MP30212-MB1	1		
13:50	MP30212-B1	1		
14:26	ZZZZZZ	10		
14:30	MA13079-CCV2	1		
14:35	MA13079-CCB2	1		
14:39	ZZZZZZ	10		
14:44	ZZZZZZ	10		
14:48	ZZZZZZ	10		
14:53	ZZZZZZ	10		
14:57	ZZZZZZ	10		
15:02	ZZZZZZ	10		
15:06	ZZZZZZ	10		
15:11	ZZZZZZ	10		
15:16	ZZZZZZ	10		
15:20	ZZZZZZ	10		
15:25	MA13079-CCV3	1		
15:29	MA13079-CCB3	1		
15:34	ZZZZZZ	10		
15:38	ZZZZZZ	10		
15:43	ZZZZZZ	10		
15:48	ZZZZZZ	10		

6.3
9

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040616M2.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 04/06/16
Run ID: MA13079
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:52	ZZZZZZ	10		
15:57	ZZZZZZ	10		
16:01	ZZZZZZ	10		
16:06	ZZZZZZ	10		
16:10	MP30214-MB1	5		
16:15	MP30214-B1	5		
16:19	MA13079-CCV4	1		
16:23	MA13079-CCB4	1		
16:28	FA31672-18	5		
16:32	MP30214-D1	5		
16:37	MP30214-D2	5		
16:41	MP30214-SD1	25		
16:45	MP30214-PS1	5		
16:50	MP30214-S1	5		
16:54	MP30214-S2	5		
16:58	FA31672-21	5		
17:03	FA31672-24	5		
----->	Last reportable sample/prep for job FA31672			
17:07	ZZZZZZ	5		
17:11	MA13079-CCV5	1		
17:15	MA13079-CCB5	1		
17:20	ZZZZZZ	5		
17:24	ZZZZZZ	5		
17:29	ZZZZZZ	5		
17:33	ZZZZZZ	5		
17:37	ZZZZZZ	5		
17:42	ZZZZZZ	5		
17:46	ZZZZZZ	5		
17:51	ZZZZZZ	5		
17:55	ZZZZZZ	5		
17:59	ZZZZZZ	5		
18:04	MA13079-CCV6	1		
18:08	MA13079-CCB6	1		
18:12	ZZZZZZ	5		

6.3
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040616M2.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 04/06/16
Run ID: MA13079
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:17	ZZZZZZ	5		
18:21	ZZZZZZ	5		
18:25	ZZZZZZ	5		
18:30	MA13079-CRIA2	1		
18:34	MA13079-ICSA2	1		
18:39	MA13079-ICSAB2	1		
18:43	MA13079-CCV7	1		
18:48	MA13079-CCB7	1		

-----> Last reportable CCB for job FA31672
Refer to raw data for calibration curve and standards.

6.3
9

INTERNAL STANDARD SUMMARY

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040616M2.ICP Date Analyzed: 04/06/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13079
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:31	MA13079-STD1	4979	42096	4860	2591
12:40	MA13079-STD2	5013	41611	4881	2496
12:43	MA13079-STD3	4831	40583	4805	2298
12:47	MA13079-STD4	4557	39555	4793	2107
12:51	MA13079-HSTD1	4649	40033	4778	2145
12:57	MA13079-ICV1	4823	40675	4769	2294
13:05	MA13079-ICB1	4927 R	41543 R	4794 R	2573 R
13:13	MA13079-CR1A1	4977	41833	4868	2546
13:21	MA13079-ICSA1	4485	37406	4546	2076
13:29	MA13079-ICSAB1	4481	37167	4499	2038
13:35	MA13079-CCV1	4806	40771	4765	2306
13:41	MA13079-CCB1	5001	41936	4781	2618
13:45	MP30212-MB1	5019	43041	4822	2643
13:50	MP30212-B1	4885	41417	4759	2448
14:26	ZZZZZZ	4701	40051	4716	2236
14:30	MA13079-CCV2	4745	40875	4754	2294
14:35	MA13079-CCB2	4927	42237	4804	2611
14:39	ZZZZZZ	4609	39704	4689	2207
14:44	ZZZZZZ	4504	38827	4623	2175
14:48	ZZZZZZ	4570	39679	4771	2178
14:53	ZZZZZZ	4937	42316	4871	2236
14:57	ZZZZZZ	4579	39060	4588	2209
15:02	ZZZZZZ	4884	42209	4913	2200
15:06	ZZZZZZ	4684	40618	4706	2335
15:11	ZZZZZZ	4593	40497	4674	2369
15:16	ZZZZZZ	5277	45659	5316	2141
15:20	ZZZZZZ	5996	51997 !	5928	2454
15:25	MA13079-CCV3	4691	40819	4605	2291
15:29	MA13079-CCB3	4831	42201	4710	2589
15:34	ZZZZZZ	5024	43995	5122	2191
15:38	ZZZZZZ	6050	52309 !	5946	2394
15:43	ZZZZZZ	6340 !	55213 !	6182 !	2408
15:48	ZZZZZZ	6209 !	54477 !	6212 !	2393

INTERNAL STANDARD SUMMARY

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040616M2.ICP Date Analyzed: 04/06/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13079
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:52	ZZZZZZ	4581	40797	4707	2163
15:57	ZZZZZZ	4676	41406	4801	2225
16:01	ZZZZZZ	5655	49389	5600	2408
16:06	ZZZZZZ	5659	49959	5642	2437
16:10	MP30214-MB1	4851	42437	4656	2598
16:15	MP30214-B1	4828	42224	4596	2541
16:19	MA13079-CCV4	4644	41290	4620	2292
16:23	MA13079-CCB4	4864	42808	4707	2634
16:28	FA31672-18	5054	43832	4811	2507
16:32	MP30214-D1	5031	44099	4809	2514
16:37	MP30214-D2	5010	44025	4820	2496
16:41	MP30214-SD1	4942	43546	4779	2593
16:45	MP30214-PS1	5021	43778	4824	2500
16:50	MP30214-S1	5008	43583	4777	2465
16:54	MP30214-S2	4986	43732	4854	2463
16:58	FA31672-21	5005	43960	4780	2511
17:03	FA31672-24	4978	43619	4768	2542
17:07	ZZZZZZ	4905	43169	4783	2518
17:11	MA13079-CCV5	4646	41584	4623	2309
17:15	MA13079-CCB5	4825	42751	4656	2624
17:20	ZZZZZZ	4879	43320	4658	2563
17:24	ZZZZZZ	4911	43831	4758	2523
17:29	ZZZZZZ	4870	43265	4696	2559
17:33	ZZZZZZ	4958	44149	4780	2558
17:37	ZZZZZZ	4866	43452	4710	2557
17:42	ZZZZZZ	4861	43570	4754	2528
17:46	ZZZZZZ	4881	43491	4713	2536
17:51	ZZZZZZ	4889	43436	4722	2539
17:55	ZZZZZZ	4836	43494	4748	2503
17:59	ZZZZZZ	4911	43986	4752	2533
18:04	MA13079-CCV6	4610	41232	4573	2312
18:08	MA13079-CCB6	4740	42810	4651	2603
18:12	ZZZZZZ	4879	43954	4859	2476

INTERNAL STANDARD SUMMARY

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040616M2.ICP Date Analyzed: 04/06/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13079
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:17	ZZZZZZ	4879	43741	4737	2507
18:21	ZZZZZZ	4869	43488	4721	2513
18:25	ZZZZZZ	4860	43830	4771	2477
18:30	MA13079-CRIA2	4729	42296	4686	2547
18:34	MA13079-ICSA2	4263	37349	4349	2057
18:39	MA13079-ICSAB2	4212	37483	4295	2015
18:43	MA13079-CCV7	4534	41089	4590	2280
18:48	MA13079-CCB7	4711	42429	4595	2579

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040616M2.ICP
 QC Limits: result < RL

Date Analyzed: 04/06/16
 Run ID: MA13079

Methods: SW846 6010C
 Units: ug/l

Metal	RL	IDL	Time:							
			Sample ID:	13:05	13:41	14:35	15:29			
			ICB1	CCB1	CCB2	CCB3				
			raw	final	raw	final	raw	final	raw	final
Aluminum	200	14								
Antimony	20	1	anr							
Arsenic	10	1.3								
Barium	200	1	anr							
Beryllium	5.0	.2								
Cadmium	4.0	.2								
Calcium	5000	50								
Chromium	10	1								
Cobalt	50	.2								
Copper	25	1	anr							
Iron	300	17								
Lead	20	1	0.90	<20	0.70	<20	1.2	<20	0.50	<20
Magnesium	5000	35								
Manganese	15	.5								
Molybdenum	50	.3								
Nickel	40	.4								
Potassium	10000	200								
Selenium	20	2.4								
Silver	10	.7								
Sodium	10000	500								
Strontium	10	.5								
Thallium	10	1.1								
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5								
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040616M2.ICP
 QC Limits: result < RL

Date Analyzed: 04/06/16
 Run ID: MA13079

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		16:23		17:15		18:08		18:48		
	Sample ID:	RL	IDL	CCB4	final	CCB5	final	CCB6	final	CCB7	final
Aluminum		200	14								
Antimony		20	1	anr							
Arsenic		10	1.3								
Barium		200	1	anr							
Beryllium		5.0	.2								
Cadmium		4.0	.2								
Calcium		5000	50								
Chromium		10	1								
Cobalt		50	.2								
Copper		25	1	anr							
Iron		300	17								
Lead		20	1	0.60	<20	0.60	<20	1.0	<20	0.70	<20
Magnesium		5000	35								
Manganese		15	.5								
Molybdenum		50	.3								
Nickel		40	.4								
Potassium		10000	200								
Selenium		20	2.4								
Silver		10	.7								
Sodium		10000	500								
Strontium		10	.5								
Thallium		10	1.1								
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.2
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040616M2.ICP Date Analyzed: 04/06/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13079 Units: ug/l

Metal	Time:		12:57		13:35		14:30		
	Sample ID:	ICV	ICV1	CCV	CCV1	CCV	CCV2		
	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic									
Barium	anr								
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper	anr								
Iron									
Lead	2000	1980	99.0	2000	2000	100.0	2000	2000	100.0
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.3.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040616M2.ICP Date Analyzed: 04/06/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13079 Units: ug/l

Metal	Sample ID	Time: CCV	15:25 CCV3		16:19 CCV4		17:11 CCV5		
			Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum									
Antimony	anr								
Arsenic									
Barium	anr								
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper	anr								
Iron									
Lead	2000	1990	99.5	2000	1990	99.5	2000	1970	98.5
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.3.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040616M2.ICP Date Analyzed: 04/06/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13079 Units: ug/l

Metal	Time:	18:04	% Rec	18:43	% Rec	
	Sample ID:	CCV6		CCV7		
	True	Results		Results		
Aluminum						
Antimony	anr					
Arsenic						
Barium	anr					
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper	anr					
Iron						
Lead	2000	1950	97.5	2000	1970	98.5
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

(*) Outside of QC limits
(anr) Analyte not requested

6.3.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040616M2.ICP Date Analyzed: 04/06/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13079 Units: ug/l

Time:	12:51
Sample ID: HSTD	HSTD1
Metal	True
Results	% Rec

Aluminum			
Antimony	anr		
Arsenic			
Barium	anr		
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper	anr		
Iron			
Lead	4000	3950	98.8
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040616M2.ICP Date Analyzed: 04/06/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13079 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	13:13 CRIA1 Results	% Rec	18:30 CRIA2 Results	% Rec
Metal						
Aluminum	400	200				
Antimony	10	5.0	anr			
Arsenic	20	10				
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0				
Calcium	2000	1000				
Chromium	20	10				
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300				
Lead	10	5.0	5.9	118.0	6.2	124.0
Magnesium	10000	5000				
Manganese	30	15				
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000				
Selenium	20	10				
Silver	20	10				
Sodium	20000	10000				
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA31672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040616M2.ICP Date Analyzed: 04/06/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13079 Units: ug/l

Time:	13:21	13:29	18:34	18:39
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2
Metal	True	Results % Rec	Results % Rec	Results % Rec
Aluminum	500000	501000 100.2	497000 99.4	527000 105.4
Antimony	1000	0.0	1000 100.0	0.70 1050 105.0
Arsenic	1000	0.90	1060 106.0	0.70 1110 111.0
Barium	500	-0.10	500 100.0	-0.20 483 96.6
Beryllium	500	-0.10	497 99.4	0.0 501 100.2
Cadmium	1000	0.0	921 92.1	-0.50 968 96.8
Calcium	500000	472000 94.4	473000 94.6	464000 92.8
Chromium	500	-0.10	492 98.4	0.10 491 98.2
Cobalt	500	-0.20	458 91.6	-0.30 497 99.4
Copper	500	0.0	529 105.8	0.30 558 111.6
Iron	200000	181000 90.5	181000 90.5	186000 93.0
Lead	1000	-0.30	929 92.9	-6.9 907 90.7
Magnesium	500000	520000 104.0	524000 104.8	553000 110.6
Manganese	500	-0.10	492 98.4	-0.30 474 94.8
Molybdenum	1000	0.10	920 92.0	-0.70 1000 100.0
Nickel	1000	0.10	917 91.7	0.10 949 94.9
Potassium		156	99.5	67.3 28.4
Selenium	1000	0.0	998 99.8	-5.8 1060 106.0
Silver	1000	-0.10	1000 100.0	-0.60 1030 103.0
Sodium		138	137	109 111
Strontium	1000	0.30	1010 101.0	0.40 1000 100.0
Thallium	1000	0.0	944 94.4	-3.4 924 92.4
Tin	1000	1.3	923 92.3	1.0 922 92.2
Titanium	1000	0.50	993 99.3	0.60 963 96.3
Vanadium	500	0.10	457 91.4	0.80 443 88.6
Zinc	1000	-3.1	921 92.1	-3.6 925 92.5

(*) Outside of QC limits
(anr) Analyte not requested

6.3.6
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA31672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30039
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 02/29/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	14	14		
Antimony	6.0	1	1		
Arsenic	10	1.3	1.3		
Barium	200	1	1		
Beryllium	4.0	.2	.2		
Cadmium	5.0	.2	.2		
Calcium	1000	50	50		
Chromium	10	1	1		
Cobalt	50	.2	.2		
Copper	25	1	1		
Iron	300	17	17		
Lead	5.0	1	1.1	0.10	<5.0
Magnesium	5000	35	35		
Manganese	15	.5	1		
Molybdenum	50	.3	.3		
Nickel	40	.4	.4		
Potassium	10000	200	200		
Selenium	10	2.4	2.9		
Silver	10	.7	.7		
Sodium	10000	500	500		
Strontium	10	.5	.5		
Thallium	10	1.1	1.4		
Tin	50	.9	1		
Titanium	10	.5	1		
Vanadium	50	.5	.6		
Zinc	20	3	4.4		

Associated samples MP30039: FA31672-27

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.4.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30039
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 02/29/16 02/29/16

Metal	FA31627-2 Original DUP	RPD	QC Limits	FA31627-2 Original MS	Spikelot MPFLICP2 % Rec	QC Limits
Aluminum						
Antimony						
Arsenic	anr					
Barium						
Beryllium						
Cadmium	anr					
Calcium						
Chromium						
Cobalt						
Copper	anr					
Iron	anr					
Lead	0.0 0.0	NC	0-20	0.0 507	500	101.4 80-120
Magnesium						
Manganese	anr					
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP30039: FA31672-27

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.4.2
 6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30039
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 02/29/16

Metal	FA31627-2 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit		
Aluminum						
Antimony						
Arsenic	anr					
Barium						
Beryllium						
Cadmium	anr					
Calcium						
Chromium						
Cobalt						
Copper	anr					
Iron	anr					
Lead	0.0	516	500	103.2	1.8	20
Magnesium						
Manganese	anr					
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP30039: FA31672-27

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.4.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30039
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 02/29/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium				
Beryllium				
Cadmium	anr			
Calcium				
Chromium				
Cobalt				
Copper	anr			
Iron	anr			
Lead	515	500	103.0	80-120
Magnesium				
Manganese	anr			
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP30039: FA31672-27

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.3
 6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30039
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 02/29/16

Metal	FA31627-2	Original	SDL 1:5	%DIF	QC Limits
-------	-----------	----------	---------	------	-----------

Aluminum					
Antimony					
Arsenic	anr				
Barium					
Beryllium					
Cadmium	anr				
Calcium					
Chromium					
Cobalt					
Copper	anr				
Iron	anr				
Lead	0.00	0.00	NC		0-10
Magnesium					
Manganese	anr				
Molybdenum					
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc	anr				

Associated samples MP30039: FA31672-27

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30039
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date:

02/29/16

Metal	Sample ml	Final ml	FA31627-2 Raw	PS Corr.** ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	9.8	10		49.2	0.2	2.5	50	98.4	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP30039: FA31672-27

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (**) Corr. sample result = Raw * (sample volume / final volume)
 (anr) Analyte not requested

6.4.5
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA31672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30207
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 04/05/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.4	3.5		
Antimony	2.0	.1	.13		
Arsenic	1.0	.13	.2		
Barium	20	.1	.1		
Beryllium	0.50	.02	.05		
Cadmium	0.40	.02	.05		
Calcium	500	5	5		
Chromium	1.0	.1	.1		
Cobalt	5.0	.02	.05		
Copper	2.5	.1	.1		
Iron	30	1.7	1.7		
Lead	2.0	.1	.1	-0.032	<2.0
Magnesium	500	3.5	3.6		
Manganese	1.5	.05	.05		
Molybdenum	5.0	.03	.05		
Nickel	4.0	.04	.05		
Potassium	1000	20	20		
Selenium	2.0	.24	.24		
Silver	1.0	.07	.082		
Sodium	1000	50	50		
Strontium	1.0	.05	.05		
Thallium	1.0	.11	.11		
Tin	5.0	.09	.09		
Titanium	1.0	.05	.05		
Vanadium	5.0	.05	.05		
Zinc	2.0	.3	.3		

Associated samples MP30207: FA31672-1, FA31672-5, FA31672-6, FA31672-9, FA31672-12, FA31672-15

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.5.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30207
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/05/16 04/05/16

Metal	FA31671-1		RPD	QC Limits	FA31671-1		QC Limits
	Original	DUP			Original	DUP	
Aluminum							
Antimony							
Arsenic							
Barium							
Beryllium							
Cadmium							
Calcium							
Chromium							
Cobalt							
Copper							
Iron							
Lead	60.8	59.1	2.8	0-20	60.8	60.5	0.5 0-20
Magnesium							
Manganese							
Molybdenum							
Nickel							
Potassium							
Selenium							
Silver							
Sodium							
Strontium							
Thallium							
Tin							
Titanium							
Vanadium							
Zinc							

Associated samples MP30207: FA31672-1, FA31672-5, FA31672-6, FA31672-9, FA31672-12, FA31672-15

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.5.2
 6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30207
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/05/16

Metal	FA31671-1 Original MS	Spikelot MPFLICP2 % Rec	QC Limits
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead	60.8 72.1	9.58	118.0(a) 80-120
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

Associated samples MP30207: FA31672-1, FA31672-5, FA31672-6, FA31672-9, FA31672-12, FA31672-15

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

6.5.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30207
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/05/16

Metal	FA31671-1 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	60.8 68.2	9.42 78.6 (a)	5.6	20
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30207: FA31672-1, FA31672-5, FA31672-6, FA31672-9, FA31672-12, FA31672-15

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

6.5.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30207
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/05/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	9.5	10	95.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30207: FA31672-1, FA31672-5, FA31672-6, FA31672-9, FA31672-12, FA31672-15

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.5.3
 6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30207
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 04/05/16

Metal	FA31671-1	QC
	Original SDL 5:25 %DIF	Limits

Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	3170	3100	2.1	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30207: FA31672-1, FA31672-5, FA31672-6, FA31672-9, FA31672-12, FA31672-15

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.5.4
 6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30207
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 04/05/16

Metal	Sample ml	Final ml	FA31671-1 Raw	PS Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead	9.8	10	3168	3104.64	3275	0.2	2.5	50	340.7*(a)	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP30207: FA31672-1, FA31672-5, FA31672-6, FA31672-9, FA31672-12, FA31672-15

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(**) Corr. sample result = Raw * (sample volume / final volume)

(anr) Analyte not requested

(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

6.5.5
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA31672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30214
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 04/06/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.4	3.5		
Antimony	2.0	.1	.13		
Arsenic	1.0	.13	.2		
Barium	20	.1	.1		
Beryllium	0.50	.02	.05		
Cadmium	0.40	.02	.05		
Calcium	500	5	5		
Chromium	1.0	.1	.1		
Cobalt	5.0	.02	.05		
Copper	2.5	.1	.1		
Iron	30	1.7	1.7		
Lead	2.0	.1	.1	0.13	<2.0
Magnesium	500	3.5	3.6		
Manganese	1.5	.05	.05		
Molybdenum	5.0	.03	.05		
Nickel	4.0	.04	.05		
Potassium	1000	20	20		
Selenium	2.0	.24	.24		
Silver	1.0	.07	.082		
Sodium	1000	50	50		
Strontium	1.0	.05	.05		
Thallium	1.0	.11	.11		
Tin	5.0	.09	.09		
Titanium	1.0	.05	.05		
Vanadium	5.0	.05	.05		
Zinc	2.0	.3	.3		

Associated samples MP30214: FA31672-18, FA31672-21, FA31672-24

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.6.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30214
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/06/16 04/06/16

Metal	FA31672-18		RPD	QC Limits	FA31672-18		RPD	QC Limits
	Original	DUP			Original	DUP		
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead	37.2	36.0	3.3	0-20	37.2	37.4	0.5	0-20
Magnesium								
Manganese								
Molybdenum								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Strontium								
Thallium								
Tin								
Titanium								
Vanadium								
Zinc								

Associated samples MP30214: FA31672-18, FA31672-21, FA31672-24

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.6.2
 6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30214
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/06/16

Metal	FA31672-18 Original MS	Spikelot MPFLICP2 % Rec	QC Limits
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead	37.2 46.3	9.36	97.2 80-120
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

Associated samples MP30214: FA31672-18, FA31672-21, FA31672-24

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.6.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30214
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/06/16

Metal	FA31672-18 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	37.2 45.1	9.42 83.9	2.6	20
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30214: FA31672-18, FA31672-21, FA31672-24

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.6.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30214
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/06/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	9.3	10	93.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30214: FA31672-18, FA31672-21, FA31672-24

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.6.3
9

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30214
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 04/06/16

Metal	FA31672-18	QC
	Original SDL 5:25 %DIF	Limits

Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	1970	1940	1.4	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30214: FA31672-18, FA31672-21, FA31672-24

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.6.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA31672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30214
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date:

04/06/16

Metal	Sample ml	Final ml	FA31672-18 Raw	PS Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead	9.8	10	1965	1925.7	1911	0.2	2.5	50	-29.4*(a)	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP30214: FA31672-18, FA31672-21, FA31672-24

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(**) Corr. sample result = Raw * (sample volume / final volume)

(anr) Analyte not requested

(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

6.6.5
6

Instrument Detection Limits

Job Number: FA31672
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1	Effective Date: 01/27/15
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Analyte	IDL ug/l
Aluminum	14
Antimony	1
Arsenic	1.3
Barium	1
Beryllium	.2
Cadmium	.2
Calcium	50
Chromium	1
Cobalt	.2
Copper	1
Iron	17
Lead	1
Magnesium	35
Manganese	.5
Molybdenum	.3
Nickel	.4
Potassium	200
Selenium	2.4
Silicon	5
Silver	.7
Sodium	500
Strontium	.5
Sulfur	5
Thallium	1.1
Tin	.9
Titanium	.5
Vanadium	.5
Zinc	3

The above applies to the following instrument runs:
MA12998,MA13075,MA13079

6.7
6

Instrument Linear Ranges

Job Number: FA31672
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1

Effective Date: 08/13/13

Analyte	Linear Range ug/l
Aluminum	500000
Antimony	10000
Arsenic	10000
Barium	10000
Beryllium	10000
Cadmium	10000
Calcium	500000
Chromium	10000
Cobalt	10000
Copper	10000
Iron	500000
Lead	10000
Magnesium	500000
Manganese	10000
Molybdenum	10000
Nickel	10000
Potassium	80000
Selenium	10000
Silver	1000
Sodium	80000
Strontium	10000
Sulfur	10000
Thallium	10000
Tin	10000
Titanium	10000
Vanadium	10000
Zinc	10000

The above applies to the following instrument runs:
MA12998,MA13075,MA13079

Metals Analysis

Raw Data

Sample Name: Blank Acquired: 2/29/2016 10:07:20 Type: Cal
Method: 60102007_042011(v887) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0002	.0009	-0.0006	.0062	.0004	.0032	-0.0012	-0.0007	-0.0001
Stddev	.0003	.0017	.0002	.0018	.0002	.0001	.0003	.0002	.0002
%RSD	186.3	199.9	28.97	29.00	41.16	4.303	21.83	28.52	106.0
#1	.0005	-0.0011	-0.0006	.0078	.0006	.0032	-0.0013	-0.0009	-0.0003
#2	-0.0001	.0017	-0.0004	.0043	.0002	.0034	-0.0014	-0.0005	.0000
#3	.0001	.0021	-0.0008	.0066	.0005	.0031	-0.0009	-0.0008	-0.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0072	.0022	-0.0031	-0.0004	.0008	.0014	-0.0175	-0.0002	.0004
Stddev	.0002	.0008	.0028	.0011	.0000	.0001	.0066	.0001	.0000
%RSD	3.021	36.54	91.39	307.4	5.451	9.391	37.47	38.67	13.00
#1	.0073	.0032	-0.0064	-0.0016	.0008	.0015	-0.0123	-0.0001	.0003
#2	.0069	.0018	-0.0014	.0006	.0008	.0013	-0.0249	-0.0002	.0004
#3	.0073	.0018	-0.0015	.0000	.0008	.0013	-0.0153	-0.0003	.0003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0007	-0.0007	.0077	.0002	.0024	.0025	-0.0011	-0.0008	.0015
Stddev	.0001	.0002	.0001	.0002	.0020	.0002	.0003	.0000	.0000
%RSD	9.180	25.40	1.469	66.74	84.98	7.224	28.30	1.053	2.599
#1	.0007	-0.0007	.0076	.0002	.0041	.0027	-0.0015	-0.0008	.0014
#2	.0006	-0.0008	.0077	.0004	.0028	.0023	-0.0011	-0.0008	.0015
#3	.0006	-0.0005	.0078	.0001	.0002	.0024	-0.0008	-0.0008	.0015
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2801.0	5183.1	3985.0	3614.1					
Stddev	1.1	7.3	39.	11.2					
%RSD	.04004	.14090	.09803	.30951					
#1	2800.6	5191.1	3981.3	3602.3					
#2	2802.3	5181.4	3989.1	3615.3					
#3	2800.1	5176.8	3984.5	3624.6					

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Sample Name: LowStd Acquired: 2/29/2016 10:11:06 Type: Cal
Method: 60102007_042011(v887) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0355	1.997	.0964	4.171	6.107	2.598	2.524	1.352	2.905
Stddev	.0001	.006	.0003	.018	.020	.009	.003	.003	.0007
%RSD	.3489	.3080	.3450	.4198	.3266	.3601	.1100	.2332	.2530
#1	.0356	1.992	.0960	4.151	6.112	2.602	2.521	1.348	.2897
#2	.0354	1.997	.0965	4.185	6.084	2.587	2.525	1.352	.2912
#3	.0354	2.004	.0967	4.177	6.123	2.605	2.526	1.354	.2905
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4658	1.584	1.010	2.608	1.673	5.828	3.979	8.528	4.367
Stddev	.0015	.011	.005	.0020	.007	.0009	.008	.0019	.0014
%RSD	.3193	.6721	.5136	.7825	.4059	.1603	.1919	.2219	.3319
#1	.4651	1.580	1.010	2.613	1.665	5.817	3.973	8.506	4.367
#2	.4648	1.577	1.004	2.585	1.676	5.833	3.978	8.539	4.352
#3	.4675	1.596	1.015	2.625	1.678	5.833	3.988	8.538	4.381
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1378	.0684	.1998	2.156	8.459	1.146	1.563	.3977	1.360
Stddev	.0004	.0004	.0004	.0003	.010	.004	.0007	.0010	.002
%RSD	.3026	.5282	.2082	.1239	1.166	.3879	.4629	.2627	.1411
#1	.1373	.0681	.1996	2.154	8.450	1.141	.1570	.3967	1.357
#2	.1381	.0684	.2003	2.159	8.457	1.148	.1556	.3975	1.361
#3	.1380	.0688	.1996	2.155	8.469	1.149	.1564	.3988	1.360
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2594.7	5092.0	3899.0	3574.8					
Stddev	5.9	8.4	161.	22.8					
%RSD	.22743	.16554	.41411	.63752					
#1	2597.7	5098.6	3900.1	3552.8					
#2	2598.6	5094.9	3882.3	3598.3					
#3	2588.0	5082.5	3914.6	3573.2					

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7.1
7

Sample Name: HighStd Acquired: 2/29/2016 10:18:03 Type: Cal
Method: 60102007_042011(v887) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2934	17.40	8098	34.64	48.50	22.21	19.97	10.63	2.265
Stddev	.0007	.01	.0022	.05	.04	.04	.03	.02	.009
%RSD	.2388	.0714	.2773	.1450	.0739	.1888	.1535	.1636	.4019
#1	2938	17.40	8073	34.66	48.46	22.23	19.94	10.62	2.265
#2	2926	17.39	8116	34.58	48.53	22.24	19.96	10.63	2.256
#3	2938	17.42	8104	34.68	48.51	22.16	20.00	10.65	2.274
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.676	14.94	8.941	2.230	12.64	4.661	35.18	6.643	3.712
Stddev	.009	.01	.003	.004	.07	.007	.05	.009	.006
%RSD	.2515	.0859	.0280	.1978	.5720	.1570	.1365	.1329	.1733
#1	3.684	14.92	8.943	2.230	12.62	4.653	35.16	6.644	3.712
#2	3.678	14.94	8.941	2.234	12.57	4.665	35.14	6.634	3.705
#3	3.666	14.95	8.938	2.226	12.71	4.667	35.23	6.652	3.718
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.126	.5689	2.117	1.658	68.32	8.875	1.280	3.170	10.72
Stddev	.002	.0008	.005	.001	.07	.032	.003	.007	.02
%RSD	.1629	.1359	.2320	.0677	.1071	.3553	.2299	.2285	.2145
#1	1.128	.5685	2.111	1.659	68.34	8.866	1.280	3.168	10.73
#2	1.124	.5684	2.121	1.657	68.24	8.849	1.278	3.164	10.70
#3	1.125	.5698	2.118	1.659	68.39	8.910	1.284	3.178	10.74
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2099.6	4594.2	3602.8	3497.1					
Stddev	3.1	.8	119.	15.1					
%RSD	.14737	.01792	.33072	.43217					
#1	2096.4	4593.9	3604.5	3495.0					
#2	2102.6	4593.5	3613.8	3483.1					
#3	2099.9	4595.1	3590.1	3513.1					

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Sample Name: MidStd Acquired: 2/29/2016 10:25:35 Type: Cal
Method: 60102007_042011(v887) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.461	8.767	4.046	17.34	24.96	11.23	10.30	5.460	1.190
Stddev	.0007	.037	.0014	.05	.08	.05	.03	.016	.005
%RSD	.4829	.4248	.3449	.2974	.3315	.4170	.3167	.2958	.4273
#1	1.468	8.725	4.062	17.33	24.87	11.18	10.34	5.478	1.192
#2	1.458	8.792	4.042	17.40	25.00	11.24	10.29	5.454	1.194
#3	1.455	8.785	4.035	17.30	25.02	11.27	10.28	5.447	1.185
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.866	7.591	4.479	1.134	6.802	2.359	17.55	3.420	1.850
Stddev	.002	.016	.011	.008	.021	.004	.04	.008	.003
%RSD	.1267	.2042	.2444	.7166	.3061	.1687	.2226	.2353	.1497
#1	1.868	7.574	4.469	1.126	6.803	2.363	17.51	3.429	1.853
#2	1.864	7.597	4.478	1.134	6.822	2.357	17.59	3.413	1.849
#3	1.867	7.603	4.491	1.143	6.780	2.356	17.54	3.418	1.848
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.5624	.2845	.8078	.8537	34.81	4.688	6.465	1.622	5.570
Stddev									

Sample Name: HSTD Acquired: 2/29/2016 10:29:46 Type: QC
 Method: 60102007_042011(v887) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5048	81.23	4.024	3.993	4.004	80.72	4.002	3.991	4.025
Stddev	.0028	.08	.020	.019	.021	.41	.011	.014	.006
%RSD	.5579	.0970	.4915	.4684	.5161	.5137	.2723	.3487	.1456

#1	.5050	81.31	4.002	3.973	4.026	81.17	3.993	3.977	4.024
#2	.5075	81.23	4.040	4.010	3.999	80.64	4.014	4.005	4.032
#3	.5019	81.16	4.029	3.996	3.986	80.35	4.001	3.992	4.020

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.989	81.23	81.25	81.28	3.998	4.006	81.17	3.992	4.063
Stddev	.007	.35	.22	1.03	.027	.012	.10	.009	.009
%RSD	.1785	.4280	.2764	1.266	.6698	.2897	.1225	.2297	.2309

#1	3.986	81.63	81.25	82.45	4.000	3.994	81.12	3.983	4.054
#2	3.998	81.04	81.48	80.87	3.971	4.016	81.29	4.001	4.061
#3	3.985	81.02	81.03	80.52	4.024	4.008	81.11	3.992	4.073

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.995	4.000	4.419	3.990	3.999	4.009	4.006	4.058	4.023
Stddev	.010	.014	.015	.005	.014	.039	.010	.016	.007
%RSD	.2472	.3431	.3469	.1220	.3455	.9707	.2605	.3932	.1873

#1	3.984	3.985	4.402	3.984	4.006	4.044	3.994	4.051	4.018
#2	4.001	4.002	4.432	3.993	4.009	4.017	4.011	4.076	4.032
#3	4.000	4.012	4.422	3.993	3.984	3.967	4.013	4.047	4.020

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 2/29/2016 10:29:46 Type: QC
 Method: 60102007_042011(v887) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2075.6	4554.2	35133.	3406.8
Stddev	7.0	19.6	69.	24.4
%RSD	.33912	.42960	.19766	.71736

#1	2083.5	4574.9	35069.	3388.0
#2	2073.4	4536.0	35123.	3434.4
#3	2069.9	4551.6	35207.	3397.9

Sample Name: ICV Acquired: 2/29/2016 10:36:28 Type: QC
 Method: 60102007_042011(v887) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2561	41.97	2.043	2.135	2.101	43.19	2.075	2.086	2.060
Stddev	.0008	.06	.003	.010	.010	.12	.002	.002	.001
%RSD	.3198	.1504	.1334	.4623	.4674	.2719	.0728	.0811	.0491

#1	.2561	42.04	2.045	2.146	2.112	43.31	2.077	2.088	2.059
#2	.2569	41.92	2.040	2.128	2.096	43.18	2.074	2.084	2.061
#3	.2553	41.94	2.045	2.131	2.095	43.08	2.074	2.086	2.060

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.036	42.83	42.77	42.99	2.126	1.973	43.05	2.096	2.060
Stddev	.002	.18	.20	.21	.002	.002	.18	.001	.004
%RSD	.0729	.4213	.4708	.4907	.0982	.0803	.4246	.0466	.2073

#1	2.035	43.03	43.00	43.06	2.124	1.975	43.25	2.097	2.060
#2	2.037	42.80	42.62	43.16	2.125	1.973	42.89	2.095	2.063
#3	2.035	42.67	42.70	42.76	2.128	1.972	43.01	2.096	2.055

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.075	2.083	.0637	2.111	2.002	2.018	2.132	1.951	2.087
Stddev	.002	.002	.0007	.003	.010	.002	.003	.002	.001
%RSD	.0795	.0737	1.040	.1242	.5057	.1165	.1508	.0768	.0263

#1	2.077	2.085	.0640	2.111	2.011	2.017	2.134	1.950	2.087
#2	2.075	2.083	.0630	2.108	1.991	2.016	2.134	1.951	2.086
#3	2.074	2.082	.0642	2.113	2.003	2.021	2.128	1.953	2.086

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 2/29/2016 10:36:28 Type: QC
 Method: 60102007_042011(v887) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2250.5	4713.2	36505.	3488.2
Stddev	3.2	12.1	37.	21.2
%RSD	.14252	.25611	.10258	.60706

#1	2250.4	4713.8	36471.	3498.5
#2	2253.7	4725.0	36498.	3463.9
#3	2247.3	4700.9	36545.	3502.3

Sample Name: ICB Acquired: 2/29/2016 10:43:03 Type: QC
 Method: 60102007_042011(v887) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	-0.020	-0.007	-0.002	0.000	0.005	0.000	-0.001	-0.001
Stddev	.0002	.0033	.0006	.0003	.0000	.0036	.0000	.0001	.0003
%RSD	82.39	163.0	96.19	142.7	952.0	801.2	129.7	125.2	221.4
#1	-0.005	-0.042	.0000	-0.002	.0000	-0.037	.0000	-0.002	-0.003
#2	.0000	.0018	-0.009	-0.005	.0000	.0026	.0000	.0000	-0.002
#3	-0.003	-0.036	-0.012	.0001	.0000	.0025	.0001	-0.002	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.023	-0.195	-0.145	-0.001	0.003	0.072	-0.001	0.003
Stddev	.0002	.0025	.0470	.0148	.0000	.0002	.0078	.0000	.0002
%RSD	114.8	111.5	240.7	102.1	9.987	68.23	108.1	75.08	94.52
#1	-0.001	-0.003	-0.111	-0.105	-0.001	.0005	.0124	.0000	.0005
#2	-0.001	.0023	-0.702	-0.308	-0.001	.0002	.0109	-0.001	.0003
#3	-0.005	.0048	.0227	-0.021	-0.001	.0001	-0.017	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.007	-0.011	0.006	-0.001	0.002	-0.001	0.000	-0.002
Stddev	.0008	.0005	.0002	.0001	.0001	.0000	.0006	.0000	.0001
%RSD	326.9	77.94	17.36	14.51	52.80	16.07	782.3	482.8	24.55
#1	-0.011	.0002	-0.013	.0005	.0000	.0002	.0004	-0.002	-0.003
#2	.0001	.0013	-0.011	.0005	-0.001	.0003	-0.007	.0000	-0.002
#3	.0003	.0006	-0.009	.0007	-0.001	.0002	.0001	.0001	-0.002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 2/29/2016 10:43:03 Type: QC
 Method: 60102007_042011(v887) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2786.5	5147.4	39594.	3604.9
Stddev	4.8	3.1	80.	38.5
%RSD	.17112	.05939	.20193	1.0687
#1	2790.3	5144.8	39608.	3629.3
#2	2781.1	5146.7	39508.	3560.5
#3	2788.1	5150.8	39666.	3625.0

7.1
7

Sample Name: CRIA Acquired: 2/29/2016 10:46:52 Type: QC
 Method: 60102007_042011(v887) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.088	0.2166	0.097	0.2122	0.054	1.091	0.055	0.054	0.109
Stddev	.0002	.0064	.0003	.0015	.0000	.002	.0000	.0002	.0000
%RSD	2.337	2.959	3.392	6.880	.6547	.1566	.7541	.4155	.1725
#1	.088	.2208	.097	.2138	.054	1.089	.055	.052	.109
#2	.090	.2198	.101	.2116	.053	1.091	.055	.054	.109
#3	.086	.2092	.094	.2111	.054	1.092	.055	.057	.108

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0269	0.3318	0.60	5.470	0.171	0.523	10.69	0.450	0.054
Stddev	.0002	.0037	.07	.038	.0000	.0000	.07	.0002	.0002
%RSD	.7909	1.110	6.865	.6942	.2453	.0548	.6219	.3410	2.903
#1	.0271	.3327	10.65	5.436	.0171	.0523	10.74	.0448	.0053
#2	.0267	.3278	10.63	5.462	.0172	.0523	10.72	.0451	.0056
#3	.0268	.3350	10.51	5.511	.0172	.0522	10.61	.0450	.0054

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0055	0.101	0.420	0.0567	0.106	0.108	0.101	0.0513	0.223
Stddev	.0008	.0005	.0004	.0003	.0001	.0000	.0003	.0008	.0001
%RSD	15.15	4.769	8.574	.5353	.7232	.3254	2.538	1.612	.3482
#1	.0046	.0106	.0420	.0563	.0105	.0108	.0100	.0503	.0223
#2	.0062	.0097	.0417	.0568	.0106	.0109	.0100	.0518	.0223
#3	.0058	.0101	.0424	.0569	.0107	.0108	.0104	.0517	.0224

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 2/29/2016 10:46:52 Type: QC
 Method: 60102007_042011(v887) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2583.8	4941.8	37513.	3465.3
Stddev	9.0	4.9	105.	3.2
%RSD	.34893	.09950	.28010	.09241
#1	2590.4	4947.4	37608.	3464.2
#2	2587.4	4940.1	37529.	3462.7
#3	2573.5	4938.0	37400.	3468.8

Sample Name: ICSA Acquired: 2/29/2016 10:53:09 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	518.8	-0.009	-0.001	-0.001	497.2	-0.005	-0.003	.0006
Stddev	.0002	5.5	.0012	.0003	.0000	2.3	.0001	.0001	.0004
%RSD	71.39	1.063	141.4	536.1	64.72	.4537	11.59	18.58	64.56
#1	-.0004	515.2	-.0008	-.0004	.0000	496.5	-.0006	-.0002	.0010
#2	-.0004	525.1	.0003	.0001	-.0001	499.7	-.0005	-.0003	.0008
#3	-.0000	515.9	-.0021	.0001	-.0001	495.3	-.0005	-.0003	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	195.9	.0024	533.7	-0.001	-0.004	.1385	.0004	.0001
Stddev	.0002	.2	.0444	1.4	.0000	.0001	.0095	.0003	.0017
%RSD	2450.	.0925	1820.	.2655	62.10	22.61	6.864	80.35	1386.
#1	-.0002	195.9	-.0421	534.3	.0000	-.0005	.1355	.0008	.0006
#2	.0001	196.1	.0467	534.8	-.0001	-.0003	.1308	.0002	-.0017
#3	.0001	195.7	.0027	532.1	-.0001	-.0005	.1491	.0003	.0015

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	.0000	.0192	F .0016	.0002	-0.003	-0.005	.0001	-.0026
Stddev	.0024	.0021	.0004	.0003	.0001	.0002	.0030	.0001	.0001
%RSD	200.5	102000.	2.295	17.74	53.32	49.97	547.8	164.7	4.949
#1	.0008	.0023	.0192	.0013	.0001	-.0003	.0003	.0001	-.0027
#2	.0038	-.0017	.0197	.0017	.0002	-.0002	-.0039	.0002	-.0026
#3	-.0010	-.0006	.0188	.0018	.0004	-.0005	.0019	-.0001	-.0025

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 2/29/2016 10:53:09 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1983.5	4347.5	32928.	3313.1
Stddev	6.1	11.1	135.	18.8
%RSD	.30639	.25579	.40883	.56723
#1	1985.7	4350.0	32978.	3330.0
#2	1976.6	4335.4	33031.	3292.8
#3	1988.1	4357.2	32776.	3316.6

Sample Name: ICSAB Acquired: 2/29/2016 10:58:34 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.088	511.2	1.086	.5675	.5653	490.2	1.009	.5075	.5334
Stddev	.002	8.2	.002	.0021	.0033	9.0	.002	.0017	.0022
%RSD	.1727	1.606	.2026	.3776	.5838	1.835	.1596	.3430	.4169
#1	1.090	512.0	1.085	.5696	.5680	497.6	1.010	.5092	.5357
#2	1.088	502.7	1.088	.5675	.5616	480.2	1.009	.5074	.5313
#3	1.086	519.0	1.084	.5653	.5663	492.8	1.007	.5058	.5331

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5942	191.2	.0031	524.9	.5630	.9616	.1600	1.009	1.034
Stddev	.0008	1.7	.0140	6.9	.0018	.0019	.0093	.002	.004
%RSD	.1324	.8691	447.9	1.320	.3171	.2026	5.794	.1998	.4261
#1	.5950	192.5	.0059	529.5	.5650	.9637	.1493	1.010	1.033
#2	.5935	189.3	.0155	516.9	.5614	.9612	.1654	1.010	1.039
#3	.5940	191.7	-.0120	528.1	.5628	.9599	.1654	1.006	1.030

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.023	1.006	.0726	.9475	1.051	1.036	.9669	.5107	1.031
Stddev	.002	.004	.0003	.0028	.002	.002	.0025	.0007	.002
%RSD	.2003	.3586	.3578	.2980	.2202	.1714	.2614	.1450	.2017
#1	1.021	1.007	.0724	.9494	1.053	1.038	.9659	.5114	1.033
#2	1.025	1.008	.0726	.9488	1.048	1.035	.9697	.5109	1.032
#3	1.022	1.002	.0729	.9442	1.052	1.036	.9650	.5099	1.029

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 2/29/2016 10:58:34 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1979.7	4408.8	32918.	3263.1
Stddev	3.6	4.2	108.	40.1
%RSD	.18308	.09513	.32908	1.2288
#1	1980.6	4405.2	32808.	3235.9
#2	1975.8	4407.9	32921.	3309.1
#3	1982.9	4413.4	33025.	3244.2

Sample Name: CCV Acquired: 2/29/2016 11:08:05 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.505	40.90	2.038	2.058	2.066	41.12	2.057	2.053	2.061
Stddev	.0006	.15	.003	.012	.004	.12	.004	.004	.003
%RSD	.2451	.3632	.1599	.5718	.1895	.3003	.2106	.1927	.1621
#1	.2508	40.98	2.038	2.060	2.069	41.24	2.053	2.049	2.064
#2	.2498	40.99	2.041	2.068	2.062	41.00	2.062	2.057	2.059
#3	.2509	40.73	2.035	2.045	2.066	41.12	2.056	2.053	2.058

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.029	41.19	41.44	41.00	2.090	2.034	41.27	2.064	2.035
Stddev	.004	.14	.10	.22	.003	.005	.08	.002	.003
%RSD	.2077	.3419	.2292	.5461	.1542	.2364	.2017	.0868	.1521
#1	2.033	41.26	41.55	41.16	2.094	2.030	41.37	2.062	2.037
#2	2.029	41.27	41.38	40.75	2.089	2.039	41.26	2.066	2.031
#3	2.025	41.02	41.38	41.10	2.088	2.033	41.20	2.064	2.036

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.049	2.041	1.709	2.067	2.080	2.086	2.059	2.054	2.053
Stddev	.004	.006	.003	.002	.006	.005	.005	.005	.002
%RSD	.1895	.3088	.1948	.0840	.2904	.2217	.2213	.2506	.0944
#1	2.045	2.035	1.705	2.066	2.082	2.091	2.056	2.059	2.051
#2	2.053	2.048	1.711	2.065	2.084	2.085	2.058	2.053	2.055
#3	2.047	2.041	1.711	2.069	2.073	2.083	2.064	2.049	2.054

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 2/29/2016 11:08:05 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2266.0	4772.6	36688.	3440.0
Stddev	4.7	6.0	86.	25.0
%RSD	.20848	.12495	.23479	.72557
#1	2263.4	4777.4	36681.	3411.9
#2	2271.4	4765.9	36777.	3448.9
#3	2263.1	4774.4	36605.	3459.4

7.1
7

Sample Name: CCB Acquired: 2/29/2016 11:16:45 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0077	-0.002	-0.002	.0002	.0048	.0001	.0000	-0.001
Stddev	.0001	.0077	.0007	.0004	.0001	.0026	.0000	.0001	.0001
%RSD	119.0	99.96	408.3	190.0	51.48	53.98	48.67	227.6	106.5
#1	.0000	.0153	.0006	.0002	.0003	.0047	.0001	.0001	-.0002
#2	-.0002	.0080	-.0003	-.0004	.0001	.0023	.0000	-.0001	-.0003
#3	.0000	-.0001	-.0008	-.0005	.0002	.0075	.0001	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0024	-0.0069	.0034	.0001	-0.002	.0253	.0001	-0.001
Stddev	.0000	.0020	.0266	.0174	.0000	.0002	.0059	.0001	.0003
%RSD	74.33	83.80	385.1	514.5	46.84	90.67	23.32	69.29	299.8
#1	.0001	.0011	.0238	-.0149	.0001	-.0002	.0295	.0000	.0002
#2	.0000	.0047	-.0221	.0051	.0001	.0000	.0278	.0001	-.0005
#3	.0001	.0013	-.0224	.0199	.0001	-.0003	.0185	.0002	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	-0.002	-0.0008	.0003	.0001	-0.003	.0000	.0001	.0000
Stddev	.0005	.0021	.0002	.0002	.0001	.0001	.0007	.0003	.0001
%RSD	96.58	1082.	27.26	68.82	70.01	26.73	4043.	240.0	423.4
#1	.0010	.0006	-.0008	.0001	.0001	-.0003	.0007	.0003	.0001
#2	.0004	.0014	-.0006	.0002	.0000	-.0002	.0000	.0003	.0001
#3	.0001	-.0026	-.0011	.0005	.0001	-.0002	-.0007	-.0002	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 2/29/2016 11:16:45 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2757.0	5112.5	38833.	3476.9
Stddev	6.9	5.9	204.	4.6
%RSD	.25180	.11574	.52458	.13348
#1	2764.9	5118.9	39058.	3481.7
#2	2752.0	5111.6	38778.	3472.5
#3	2754.1	5107.1	38662.	3476.6

Sample Name: MP30039-MB1 Acquired: 2/29/2016 11:39:14 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	0.029	-0.016	-0.007	0.000	0.060	-0.001	0.000	0.004
Stddev	.0002	.0060	.0004	.0006	.0000	.0023	.0000	.000	.0003
%RSD	50.69	206.1	22.59	77.68	337.4	38.05	71.87	175.9	60.57

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.041	0.059	0.076	0.000	-0.001	0.236	0.000	0.001
Stddev	.0001	.0021	.0180	.0302	.000	.0001	.0024	.000	.0002
%RSD	66.00	52.82	303.6	397.5	7.856	84.23	10.03	2650.	167.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.003	-0.003	0.064	0.004	0.000	-0.001	-0.011	-0.001	-0.002
Stddev	.0006	.0013	.0001	.0001	.0001	.0001	.0015	.0001	.0001
%RSD	209.2	450.2	1.996	26.60	384.3	53.07	133.9	110.8	62.13

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30039-MB1 Acquired: 2/29/2016 11:39:14 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2682.2	4949.9	38396.	3421.0
Stddev	7.8	16.8	132.	22.5
%RSD	.29231	.34033	.34253	.65869

#1 2688.8 4951.6 38353. 3395.3
 #2 2684.3 4965.9 38544. 3430.2
 #3 2673.5 4932.3 38292. 3437.5

7.1
7

Sample Name: MP30039-B1 Acquired: 2/29/2016 11:43:45 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.051	30.05	2.098	2.229	0.0569	27.98	0.543	0.5420	2.186
Stddev	.0005	.06	.009	.004	.0003	.04	.0002	.0025	.0015
%RSD	1.007	.2120	.4032	.1567	.5341	.1480	.4317	.4664	.6763

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.2774	29.52	28.01	27.98	0.5607	0.5384	28.22	0.5497	0.5152
Stddev	.0007	.06	.11	.05	.0032	.0024	.02	.0011	.0014
%RSD	.2679	.1949	.3869	.1853	.5648	.4411	.0870	.1994	.2797

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.5352	2.114	0.195	0.5504	0.5496	0.5533	2.095	0.5147	0.5396
Stddev	.0017	.015	.0004	.0015	.0013	.0033	.005	.0028	.0005
%RSD	.3164	.6888	2.253	.2782	.2430	.5984	.2263	.5406	.0961

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30039-B1 Acquired: 2/29/2016 11:43:45 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2358.9	4767.5	36666.	3391.7
Stddev	12.2	25.5	233.	3.1
%RSD	.51804	.53468	.63669	.09066

#1 2347.3 4741.4 36484. 3393.0
 #2 2357.7 4768.7 36929. 3388.2
 #3 2371.7 4792.4 36584. 3393.9

Sample Name: FA31627-2 Acquired: 2/29/2016 11:47:56 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.0433	0.0054	0.0784	-0.0001	78.58	-0.0001	0.0007	0.0004
Stddev	0.0000	0.0080	0.0007	0.0002	0.0001	.47	0.0000	0.0001	0.0002
%RSD	10.12	18.37	13.53	3.001	56.53	6.028	27.38	7.684	61.47
#1	-0.003	0.0379	0.0046	0.0783	-0.0002	78.11	-0.0001	0.0007	0.0007
#2	-0.002	0.0525	0.0059	0.0783	-0.0001	78.57	-0.0001	0.0007	0.0002
#3	-0.002	0.0397	0.0058	0.0787	0.0000	79.06	-0.0001	0.0008	0.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	-0.0001	1.888	9.275	23.25	3.869	0.043	5.021	0.0086	0.0004
Stddev	0.0001	0.009	0.051	0.31	0.0053	0.0002	0.009	0.0001	0.0008
%RSD	171.4	4.701	5.538	1.327	1.358	3.572	1.889	1.286	192.6
#1	-0.001	1.885	9.231	23.00	3.844	0.044	5.023	0.0085	0.0011
#2	-0.001	1.882	9.262	23.16	3.833	0.041	5.011	0.0087	0.0007
#3	0.001	1.899	9.332	23.59	3.929	0.043	5.030	0.0085	-0.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0005	-0.0009	2.268	0.0004	1.181	0.014	-0.0007	0.0000	0.5632
Stddev	0.0006	0.0019	0.015	0.0003	0.003	0.0001	0.0012	0.0001	0.0032
%RSD	118.8	210.2	6.491	79.27	2.090	7.709	172.2	416.1	5.605
#1	0.0001	-0.0004	2.283	0.0006	1.181	0.015	-0.0013	0.0000	0.5645
#2	0.0002	-0.0031	2.267	0.0005	1.178	0.014	-0.0016	0.0001	0.5654
#3	0.0012	0.0007	2.254	0.0000	1.183	0.013	0.0007	-0.0001	0.5596
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2384.3	4652.1	3645.4	3404.1					
Stddev	19.9	27.4	275.	44.6					
%RSD	0.83533	0.58804	0.75392	1.3095					
#1	2370.6	4624.5	3663.0	3455.6					
#2	2375.0	4652.6	3659.4	3379.9					
#3	2407.1	4679.2	3613.7	3376.9					

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Sample Name: MP30039-D1 Acquired: 2/29/2016 11:52:21 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0003	0.0359	0.0051	0.0772	0.0000	77.45	-0.0001	0.0009	0.0003
Stddev	0.0001	0.0145	0.0001	0.0010	0.0000	.15	0.0000	0.0000	0.0002
%RSD	35.27	40.36	1.698	1.251	701.1	.1910	35.84	3.402	50.03
#1	-0.002	0.0410	0.0052	0.0767	-0.0001	77.50	-0.0001	0.0009	0.0003
#2	-0.003	0.0195	0.0050	0.0766	0.0002	77.29	-0.0001	0.0008	0.0005
#3	-0.004	0.0471	0.0051	0.0783	-0.0001	77.57	-0.0001	0.0009	0.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	0.0001	1.867	9.181	22.90	3.794	0.039	4.963	0.0083	0.0004
Stddev	0.0003	0.011	0.103	0.06	0.0016	0.0001	0.023	0.0001	0.0005
%RSD	221.1	5.634	1.125	2.502	4.199	2.633	4.647	1.789	130.7
#1	-0.001	1.855	9.254	22.95	3.796	0.040	4.943	0.0084	-0.0002
#2	0.000	1.870	9.063	22.84	3.808	0.038	4.958	0.0084	0.0005
#3	0.005	1.875	9.227	22.93	3.777	0.039	4.989	0.0081	0.0008
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0004	-0.0015	2.211	-0.0002	1.165	0.010	-0.0008	-0.0002	0.5468
Stddev	0.0003	0.0003	0.006	0.0004	0.009	0.0003	0.0012	0.0000	0.0021
%RSD	90.02	22.85	2.531	244.9	7.726	33.50	154.6	25.13	3.843
#1	0.0000	-0.0019	2.206	0.0001	1.165	0.008	-0.0003	-0.0002	0.5483
#2	0.0004	-0.0014	2.210	-0.0006	1.156	0.008	-0.0022	-0.0002	0.5444
#3	0.0006	-0.0012	2.217	0.0001	1.174	0.014	-0.0001	-0.0001	0.5477
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2444.4	4737.2	3706.6	3390.5					
Stddev	4.6	5.3	122.	14.1					
%RSD	0.19007	0.11126	0.32782	0.41710					
#1	2439.1	4740.7	3711.0	3395.5					
#2	2446.3	4739.6	3692.9	3401.5					
#3	2447.7	4731.1	3715.9	3374.6					

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Sample Name: MP30039-SD1 Acquired: 2/29/2016 11:56:46 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0001	0.0314	0.0013	0.0717	-0.0001	74.12	-0.0004	0.0007	-0.0013
Stddev	0.0007	0.0393	0.0030	0.0005	0.0003	.34	0.0002	0.0003	0.0015
%RSD	796.4	125.3	224.5	6.969	249.7	4.539	45.71	47.31	113.0
#1	0.0002	0.0287	0.0030	0.0717	-0.0004	74.28	-0.0003	0.0010	-0.0013
#2	-0.0009	-0.0065	-0.0021	0.0712	0.0002	73.74	-0.0007	0.0003	-0.0028
#3	0.0005	0.0720	0.0030	0.0721	-0.0001	74.35	-0.0004	0.0008	0.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0015	1.763	8.624	21.87	3.645	0.007	4.836	0.0079	-0.0011
Stddev	0.0009	0.020	0.103	0.08	0.0003	0.0003	0.018	0.0010	0.0011
%RSD	58.20	1.129	1.191	3.474	0.0717	42.79	3.768	12.58	95.20
#1	-0.0024	1.742	8.697	21.87	3.642	0.009	4.848	0.0088	-0.0021
#2	-0.0007	1.767	8.506	21.80	3.645	0.004	4.815	0.0081	-0.0014
#3	-0.0014	1.781	8.668	21.95	3.647	0.008	4.845	0.0068	0.0000
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0008	-0.0058	2.115	0.0004	1.116	-0.0001	-0.0042	-0.0005	0.5589
Stddev	0.0031	0.0091	0.004	0.0014	0.006	0.0008	0.018	0.0002	0.0018
%RSD	393.8	157.0	1.761	354.1	5.223	951.0	43.71	41.75	3.286
#1	-0.0018	-0.0156	2.110	0.0020	1.116	-0.0005	-0.0053	-0.0007	0.5594
#2	-0.0001	-0.0024	2.117	-0.0002	1.110	-0.0006	-0.0021	-0.0006	0.5604
#3	0.0042	-0.0041	2.116	-0.0006	1.122	0.0008	-0.0051	-0.0003	0.5568
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2575.1	4808.1	3758.6	3404.3					
Stddev	10.7	5.2	138.	17.5					
%RSD	0.41519	0.10856	0.36671	0.51405					
#1	2565.8	4802.3	3750.5	3386.8					
#2	2572.7	4809.5	3750.7	3421.8					
#3	2586.8	4812.5	3774.5	3404.3					

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Sample Name: MP30039-PS1 Acquired: 2/29/2016 12:01:13 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0472	2.631	1.094	3.446	0.0517	80.50	0.0518	0.0529	0.0515
Stddev	0.0003	0.018	0.0008	0.0015	0.0002	.49	0.0001	0.0001	0.0002
%RSD	6.224	6.930	7.022	4.283	4.482	6.132	2.294	2.042	4.600
#1	0.0473	2.610	1.089	3.443	0.0518	80.83	0.0519	0.0530	0.0516
#2	0.0469	2.643	1.090	3.462	0.0518	80.73	0.0517	0.0529	0.0517
#3	0.0474	2.639	1.103	3.433	0.0514	79.93	0.0519	0.0528	0.0513
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306

Sample Name: MP30039-S1 Acquired: 2/29/2016 12:05:29 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0493	30.49	2.083	2.302	0.0564	106.2	0.0527	0.5291	2.151
Stddev	.0008	.04	.007	.009	.0002	.2	.0002	.0018	.0002
%RSD	1.590	.1273	.3549	.3758	.3980	.2073	.3230	.3492	.1157
#1	.0499	30.53	2.091	2.312	.0566	106.4	.0529	.5308	2.153
#2	.0484	30.46	2.083	2.297	.0565	105.9	.0527	.5293	2.153
#3	.0496	30.48	2.076	2.296	.0562	106.3	.0526	.5271	2.149
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.754	31.28	37.29	50.88	9.233	5389	33.18	5.373	5.072
Stddev	.0012	.08	.16	.14	.0018	.0024	.07	.0016	.0023
%RSD	.4291	.2553	.4420	.2800	.1907	.4379	.2236	.3028	.4445
#1	.2763	31.37	37.40	50.99	9.253	5408	33.25	5.391	5.085
#2	.2759	31.24	37.10	50.72	9.223	5397	33.10	5.369	5.084
#3	.2741	31.23	37.37	50.93	9.223	5363	33.18	5.359	5.046
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.287	2.081	2.188	5.311	1.717	5.464	2.034	5.044	1.052
Stddev	.0019	.012	.007	.0031	.007	.0019	.015	.0002	.004
%RSD	.3630	.5956	.3408	.5823	.4185	.3482	.7532	.0391	.4009
#1	.5296	2.096	2.192	5.327	1.725	5.484	2.050	5.045	1.056
#2	.5301	2.072	2.194	5.331	1.711	5.460	2.033	5.042	1.053
#3	.5266	2.076	2.180	5.276	1.717	5.447	2.020	5.046	1.047
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2284.7	4704.1	36299.	3290.1					
Stddev	11.2	15.2	112.	23.7					
%RSD	48976	32232	30886	71972					
#1	2272.5	4687.9	36188.	3303.1					
#2	2287.0	4706.3	36412.	3304.4					
#3	2294.5	4718.0	36296.	3262.7					

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Sample Name: MP30039-S2 Acquired: 2/29/2016 12:09:40 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0505	31.11	2.115	2.347	0.0577	107.7	0.0535	0.5388	2.200
Stddev	.0004	.07	.015	.007	.0003	.4	.0005	.0040	.0014
%RSD	.7864	.2339	.7004	.2937	.5452	.3456	1.004	.7515	.6303
#1	.0504	31.20	2.128	2.352	.0580	108.1	.0541	.5432	2.216
#2	.0502	31.09	2.119	2.339	.0577	107.8	.0533	.5380	2.192
#3	.0509	31.06	2.099	2.349	.0574	107.3	.0531	.5352	2.192
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.819	31.89	37.83	51.85	9.452	5477	33.63	5.461	5.155
Stddev	.0026	.21	.05	.23	.0057	.0042	.08	.0037	.0036
%RSD	.9264	.6600	.1272	.4473	.6032	.7740	.2503	.6806	.7032
#1	.2849	32.13	37.86	51.82	9.517	5515	33.71	5.501	5.193
#2	.2802	31.82	37.87	52.10	9.412	5486	33.54	5.453	5.151
#3	.2807	31.73	37.78	51.64	9.427	5432	33.63	5.428	5.121
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.362	2.115	2.228	5.413	1.749	5.616	2.066	5.139	1.066
Stddev	.0052	.017	.016	.0037	.007	.0046	.014	.0028	.010
%RSD	.9631	.7886	.7227	.6797	.4291	8237	.6511	.5455	.9407
#1	.5403	2.132	2.243	5.451	1.758	5.636	2.078	5.172	1.078
#2	.5379	2.113	2.229	5.409	1.743	5.563	2.069	5.125	1.063
#3	.5304	2.099	2.211	5.378	1.747	5.648	2.051	5.121	1.058
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2257.3	4647.9	35571.	3234.8					
Stddev	16.9	35.9	217.	5.7					
%RSD	.74797	.77187	.60973	.17664					
#1	2241.3	4614.0	35324.	3238.8					
#2	2255.7	4644.3	35658.	3228.3					
#3	2274.9	4685.5	35731.	3237.4					

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Sample Name: FA31627-1 Acquired: 2/29/2016 12:13:51 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.259	0.157	1.145	0.000	73.89	-0.002	0.002	0.003
Stddev	.0001	.0056	.0007	.0012	.000	.21	.0000	.0001	.0001
%RSD	37.28	21.45	4.347	1.058	114.3	2823	27.44	27.94	36.89
#1	-0.001	0.280	0.158	1.134	0.000	73.66	-0.002	0.002	0.002
#2	-0.002	0.301	0.163	1.142	0.000	73.94	-0.002	0.003	0.005
#3	-0.003	0.196	0.149	1.158	-0.001	74.07	-0.001	0.002	0.003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.003	3.697	20.06	27.71	3.870	0.021	8.199	0.153	-0.002
Stddev	.0002	.016	.07	.11	.0026	.0001	.048	.0002	.0005
%RSD	61.04	4318	3524	3934	6624	5.891	5.899	1.117	190.3
#1	-0.001	3.690	19.99	27.59	3.847	0.023	8.159	0.154	-0.007
#2	-0.005	3.715	20.06	27.79	3.898	0.021	8.184	0.154	-0.002
#3	-0.003	3.686	20.13	27.75	3.866	0.020	8.253	0.151	-0.003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.011	0.002	2.961	0.003	9.499	0.009	-0.006	-0.003	0.619
Stddev	.0012	.0024	.021	.0004	.0040	.0000	.0009	.0002	.0004
%RSD	110.6	978.8	7083	121.3	4227	4.499	149.5	56.52	6289
#1	.0004	.0027	2.982	.0000	9.453	.0008	-.0015	-.0001	0.621
#2	.0025	-.0021	2.961	.0008	9.517	.0009	-.0003	-.0003	0.622
#3	.0004	.0001	2.940	.0002	9.527	.0009	-.0005	-.0004	0.615
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2354.4	4591.1	36140.	3329.1					
Stddev	23.4	38.9	216.	11.0					
%RSD	99465	84790	59783	32928					
#1	2333.5	4552.6	36251.	3328.8					
#2	2350.0	4590.4	35892.	3340.2					
#3	2379.7	4630.4	36279.	3318.3					

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Sample Name: FA31627-3 Acquired: 2/29/2016 12:18:16 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	0.400	0.051	0.782	0.000	76.80	-0.001	0.008	0.003
Stddev	.0002	.0088	.0005	.0008	.000	.24	.0000	.0001	.0002
%RSD	68.02	21.92	9.722	9.591	122.9	3178	28.58	7.195	76.29
#1	-0.004	0.365	0.045	0.776	0.000	76.52	-0.001	0.008	0.003
#2	-0.001	0.335	0.052	0.791	0.000	76.90	-0.001	0.007	0.005
#3	-0.002	0.500	0.055	0.780	0.000	76.97	-0.001	0.008	0.001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.001	1.923	9.153	22.36	3.684	0.038	4.925	0.082	0.006
Stddev	.0003	.004	.006	.02	.0019	.0001	.023	.0001	.0003
%RSD	184.6	2166	6627	1093	5149				

Sample Name: CCV Acquired: 2/29/2016 12:22:42 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.483	40.74	2.004	2.043	2.038	40.26	2.039	2.045	2.041
Stddev	.0006	.17	.004	.008	.006	.13	.003	.001	.008
%RSD	.2501	.4075	.2161	.3960	.3051	.3167	.1248	.0334	.3752
#1	.2490	40.56	2.003	2.034	2.031	40.11	2.042	2.044	2.033
#2	.2479	40.88	2.000	2.050	2.042	40.34	2.039	2.044	2.042
#3	.2480	40.79	2.009	2.044	2.040	40.31	2.037	2.046	2.048

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.023	40.88	40.53	40.28	2.062	2.026	40.41	2.033	1.988
Stddev	.006	.11	.13	.07	.008	.001	.15	.003	.007
%RSD	.2744	.2809	.3291	.1836	.4051	.0536	.3713	.1306	.3576
#1	2.027	40.75	40.38	40.19	2.056	2.026	40.25	2.036	1.994
#2	2.017	40.96	40.61	40.30	2.058	2.026	40.54	2.031	1.988
#3	2.026	40.93	40.61	40.33	2.072	2.028	40.45	2.033	1.980

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.008	2.008	1.681	2.020	2.024	2.045	2.006	2.000	2.027
Stddev	.006	.004	.002	.002	.010	.007	.001	.005	.006
%RSD	.3014	.2056	.1439	.1028	.4944	.3383	.0517	.2429	.2933
#1	2.002	2.007	1.678	2.022	2.014	2.042	2.005	1.995	2.032
#2	2.008	2.005	1.680	2.018	2.034	2.041	2.007	2.000	2.027
#3	2.014	2.013	1.683	2.019	2.025	2.053	2.005	2.004	2.020

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 2/29/2016 12:22:42 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2316.9	4821.4	3711.0	3447.2
Stddev	2.0	14.1	13.	20.8
%RSD	.08706	.29259	.03557	.60244
#1	2317.9	4830.6	3711.6	3470.6
#2	2318.3	4828.3	3712.0	3431.1
#3	2314.6	4805.1	3709.6	3439.9

7.1
7

Sample Name: CCB Acquired: 2/29/2016 12:26:53 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	-0.0015	-0.0008	-0.0002	0.0001	0.0046	0.0001	0.0001	-0.0001
Stddev	.0003	.0045	.0006	.0004	.0000	.0018	.0001	.0001	.0001
%RSD	107.6	288.8	82.93	189.1	68.01	38.84	57.48	99.82	130.3
#1	-0.0001	-0.0027	-0.0002	-0.0002	0.0001	0.0041	0.0002	0.0001	-0.0001
#2	-0.0005	-0.0053	-0.0015	-0.0002	0.0000	0.0065	0.0000	0.0002	0.0000
#3	-0.0001	0.0034	-0.0006	-0.0007	0.0001	0.0031	0.0001	0.0000	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	0.0126	0.0040	-0.0022	0.0001	0.0008	0.0265	0.0000	-0.0001
Stddev	.0001	.0033	.0504	.0108	.0000	.0003	.0072	.0002	.0006
%RSD	42.82	26.48	1245.	487.9	26.49	37.95	27.02	972.3	443.2
#1	-0.0002	0.0158	-0.0520	-0.0113	0.0001	0.0010	0.0206	-0.0002	0.0005
#2	-0.0004	0.0092	0.0186	-0.0052	0.0001	0.0009	0.0244	0.0000	-0.0007
#3	-0.0003	0.0128	0.0455	0.0098	0.0001	0.0005	0.0345	0.0002	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0005	0.0002	0.0004	0.0006	0.0001	0.0010	-0.0007	-0.0001	0.0000
Stddev	.0001	.0007	.0002	.0001	.0001	.0002	.0008	.0001	.0000
%RSD	10.75	301.7	53.57	23.99	66.97	15.90	102.8	261.0	140.4
#1	0.0006	-0.0003	0.0002	0.0007	0.0001	0.0011	-0.0006	0.0000	0.0001
#2	0.0005	0.0000	0.0006	0.0007	0.0000	0.0010	-0.0016	0.0000	0.0001
#3	0.0005	0.0010	0.0004	0.0004	0.0001	0.0008	-0.0001	-0.0002	0.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 2/29/2016 12:26:53 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2709.5	4945.1	3813.0	3393.8
Stddev	4.1	8.3	61.	25.4
%RSD	.15182	.16792	.16008	.74706
#1	2714.2	4954.7	38200.	3419.5
#2	2707.6	4940.3	38088.	3393.2
#3	2706.7	4940.4	38101.	3368.8

Sample Name: FA31627-4 Acquired: 2/29/2016 12:31:24 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 11 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 11 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 4 columns: Int. Std., Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Table with 4 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Sample Name: FA31677-4 Acquired: 2/29/2016 12:35:51 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 11 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 11 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 4 columns: Int. Std., Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Table with 4 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

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Sample Name: FA31677-7 Acquired: 2/29/2016 12:40:17 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 11 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 11 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 4 columns: Int. Std., Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Table with 4 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Sample Name: FA31677-9 Acquired: 2/29/2016 12:44:43 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 11 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 11 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 4 columns: Int. Std., Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Table with 4 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Sample Name: FA31677-10 Acquired: 2/29/2016 12:49:11 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	0.3750	-0.0016	0.0125	0.0000	69.01	-0.0001	-0.0001	0.0012
Stddev	0.0004	0.0081	0.0004	0.0001	0.000	0.26	0.0000	0.0000	0.0002
%RSD	121.4	2.153	23.56	1.030	66.98	3812	40.82	47.15	14.08
#1	-0.006	0.3657	-0.0019	0.0125	0.0000	69.17	-0.0001	-0.0001	0.0014
#2	0.0001	0.3791	-0.0017	0.0126	0.0000	69.16	-0.0001	-0.0002	0.0010
#3	-0.0006	0.3802	-0.0012	0.0124	0.0000	68.71	-0.0001	-0.0001	0.0012
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0003	0.4227	2.459	5.307	0.0126	0.0022	5.926	0.0002	-0.0002
Stddev	0.0003	0.0018	0.045	0.025	0.0001	0.0001	0.014	0.0003	0.0007
%RSD	82.97	0.4285	1.852	0.4728	0.8292	2.998	0.2424	108.8	292.2
#1	-0.0005	0.4242	2.451	5.279	0.0125	0.0023	5.937	0.0004	0.0005
#2	-0.0004	0.4207	2.508	5.328	0.0127	0.0022	5.931	0.0003	-0.0010
#3	0.0000	0.4232	2.418	5.314	0.0125	0.0022	5.909	-0.0001	-0.0002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0002	-0.0003	2.096	-0.0002	2.904	0.0133	-0.0020	0.0030	0.0008
Stddev	0.0002	0.0003	0.011	0.0002	0.0015	0.0005	0.0009	0.0001	0.0000
%RSD	73.51	110.3	0.5226	99.07	0.5287	3.449	45.85	4.067	4.096
#1	0.0001	-0.0003	2.084	0.0000	0.2919	0.0132	-0.0026	0.0029	0.0008
#2	0.0001	0.0000	2.101	-0.0002	0.2905	0.0129	-0.0024	0.0030	0.0008
#3	0.0004	-0.0006	2.105	-0.0005	0.2888	0.0138	-0.0009	0.0031	0.0008
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2518.5	4791.1	37997.	3419.6					
Stddev	1.3	11.0	138.	24.0					
%RSD	0.05002	0.22989	0.36264	0.70073					
#1	2520.0	4795.3	38070.	3445.3					
#2	2518.1	4778.6	38083.	3397.9					
#3	2517.6	4799.4	37838.	3415.6					

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Sample Name: FA31677-11 Acquired: 2/29/2016 12:53:36 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0001	0.0401	-0.0016	0.0208	-0.0001	128.4	-0.0001	0.0000	0.0021
Stddev	0.0003	0.0077	0.0004	0.0003	0.0001	0.3	0.0000	0.0000	0.0001
%RSD	216.9	19.26	28.29	1.624	116.9	0.2031	20.11	421.6	3.969
#1	0.0002	0.0359	-0.0013	0.0204	-0.0002	128.1	-0.0001	0.0001	0.0020
#2	-0.0003	0.0354	-0.0014	0.0210	0.0000	128.4	-0.0001	0.0000	0.0021
#3	-0.0003	0.0491	-0.0021	0.0209	0.0000	128.6	-0.0001	-0.0001	0.0021
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0001	0.4110	2.585	16.99	0.0227	0.0063	19.44	0.0025	-0.0001
Stddev	0.0003	0.0055	0.036	0.04	0.0000	0.0001	0.05	0.0002	0.0006
%RSD	231.4	1.342	1.389	0.2151	0.0541	1.791	0.2372	7.328	428.6
#1	0.0002	0.4174	2.544	16.95	0.0227	0.0062	19.39	0.0026	0.0004
#2	-0.0002	0.4080	2.599	17.00	0.0227	0.0063	19.45	0.0023	-0.0001
#3	-0.0004	0.4077	2.611	17.02	0.0227	0.0064	19.47	0.0026	-0.0007
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0000	0.0001	3.160	0.0000	5.265	0.0009	-0.0012	0.0009	0.0792
Stddev	0.0003	0.0011	0.012	0.0004	0.0007	0.0001	0.0002	0.0001	0.0001
%RSD	591.6	849.5	0.3795	12000.	0.1396	14.71	19.35	7.200	0.0941
#1	0.0003	-0.0005	3.155	0.0004	0.5263	0.0007	-0.0014	0.0009	0.0791
#2	0.0000	-0.0005	3.152	0.0000	0.5259	0.0009	-0.0014	0.0008	0.0793
#3	-0.0002	0.0014	3.174	-0.0004	0.5273	0.0010	-0.0010	0.0010	0.0792
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2392.9	4647.2	37110.	3418.2					
Stddev	4.3	13.0	116.	19.2					
%RSD	0.18080	0.27993	0.31134	0.56064					
#1	2393.9	4639.7	37178.	3427.3					
#2	2396.7	4662.2	36976.	3396.1					
#3	2388.2	4639.6	37174.	3431.1					

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Sample Name: FA31677-12 Acquired: 2/29/2016 12:58:02 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0005	0.0899	-0.0016	0.0182	-0.0001	92.32	-0.0001	-0.0001	0.0014
Stddev	0.0003	0.0055	0.0004	0.0001	0.0001	0.24	0.0000	0.0001	0.0002
%RSD	57.53	6.146	28.37	0.7178	58.51	2618	19.03	49.68	11.88
#1	-0.0002	0.0904	-0.0017	0.0181	-0.0002	92.59	-0.0001	-0.0001	0.0012
#2	-0.0006	0.0842	-0.0019	0.0183	-0.0001	92.19	-0.0002	-0.0001	0.0014
#3	-0.0006	0.0953	-0.0011	0.0181	0.0000	92.16	-0.0001	-0.0002	0.0016
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0005	1.610	2.162	10.38	0.0142	0.0027	11.78	0.0002	0.0000
Stddev	0.0002	0.008	0.025	0.03	0.0000	0.0002	0.05	0.0001	0.000
%RSD	49.33	0.4711	1.167	0.2600	0.2454	5.961	0.4386	54.65	1977.
#1	0.0003	1.601	2.160	10.41	0.0142	0.0027	11.83	0.0003	0.0004
#2	0.0005	1.614	2.138	10.35	0.0142	0.0026	11.73	0.0001	0.0001
#3	0.0008	1.615	2.189	10.38	0.0142	0.0029	11.78	0.0002	-0.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0003	-0.0012	2.331	0.0030	0.4140	0.0019	-0.0009	0.0027	0.0054
Stddev	0.0006	0.0022	0.015	0.0001	0.0008	0.0003	0.0006	0.0002	0.0000
%RSD	199.8	187.7	0.6261	3.461	0.2027	16.09	65.26	6.034	0.4143
#1	-0.0009	-0.0036	2.348	0.0029	0.4149	0.0016	-0.0015	0.0028	0.0054
#2	-0.0004	-0.0005	2.325	0.0031	0.4132	0.0022	-0.0005	0.0027	0.0054
#3	0.0003	0.0006	2.321	0.0029	0.4140	0.0021	-0.0006	0.0025	0.0054
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2440.6	4704.4	37066.	3443.7					
Stddev	12.3	22.2	169.	3.6					
%RSD	0.50201	0.47177	0.45490	0.10330					
#1	2431.7	4686.0	36876.	3443.6					
#2	2435.6	4698.1	37198.	3440.2					
#3	2454.6	4729.1	37125.	3447.3					

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Sample Name: FA31677-13 Acquired: 2/29/2016 13:02:30 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0005	0.0570	0.0017	0.0398	-0.0001	133.2	-0.0001	-0.0002	0.0006
Stddev	0.0002	0.0108	0.0001	0.0007	0.0001	0.5	0.0000	0.0001	0.0002
%RSD	48.45	19.02	4.469	1.648	133.6	0.3514	31.27	57.39	36.82
#1	-0.0004	0.0583	0.0017	0.0390	-0.0001	133.4	-0.0001	-0.0001	0.0005
#2	-0.0003	0.0671	0.0016	0.0403	0.0000	133.6	-0.0001	-0.0003	0.0005
#3	-0.0007	0.0455	0.0018	0.0400	-0.0001	132.7	-0.0001	-0.0002	0.0009
Elem	Cu3247	Fe2599	K_7664	Mg2790	M				

Sample Name: FA31677-14 Acquired: 2/29/2016 13:06:56 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	8036	0.017	0.023	0.000	130.3	-0.001	0.003	0.026
Stddev	0.004	0.175	0.013	0.004	0.000	1	0.001	0.001	0.001
%RSD	189.9	2.180	75.24	1.364	49.75	0.729	43.35	39.90	5.420
#1	-0.007	7893	0.010	0.028	0.000	130.3	-0.001	0.002	0.025
#2	0.000	8232	0.032	0.024	0.000	130.2	-0.002	0.002	0.027
#3	0.000	7983	0.009	0.025	-0.001	130.3	-0.001	0.004	0.027
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.003	4.269	1.644	18.01	0.096	0.096	34.03	0.025	-0.005
Stddev	0.002	0.029	0.059	0.09	0.000	0.000	1.1	0.001	0.002
%RSD	71.22	0.6834	3.572	0.5015	0.4723	0.2930	0.3148	4.824	45.71
#1	-0.005	4.244	1.710	18.04	0.096	0.095	33.92	0.025	-0.003
#2	-0.001	4.301	1.627	18.08	0.096	0.096	34.13	0.026	-0.007
#3	-0.003	4.264	1.596	17.91	0.096	0.096	34.03	0.023	-0.006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.007	0.031	2.773	0.009	0.624	0.300	-0.019	0.059	0.000
Stddev	0.011	0.006	0.007	0.005	0.039	0.021	0.004	0.000	0.000
%RSD	151.1	18.90	0.2636	50.17	0.5664	6.909	19.52	0.4566	63.67
#1	-0.002	0.025	2.780	0.011	0.604	0.290	-0.018	0.059	0.001
#2	0.020	0.032	2.766	0.004	0.699	0.286	-0.017	0.059	0.000
#3	0.005	0.037	2.774	0.013	0.689	0.323	-0.024	0.060	0.000
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2380.5	4647.9	36791.	3388.0					
Stddev	3.7	20.1	56.	11.4					
%RSD	0.15744	0.43179	0.15308	0.33500					
#1	2379.7	4650.9	36728.	3388.7					
#2	2384.6	4666.3	36838.	3399.0					
#3	2377.2	4626.5	36806.	3376.4					

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Sample Name: FA31743-1 Acquired: 2/29/2016 13:11:22 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	0.181	0.000	0.076	0.000	84.31	-0.001	0.001	0.000
Stddev	0.005	0.027	0.002	0.003	0.000	0.09	0.000	0.000	0.001
%RSD	110.5	14.96	255600.	3.687	277.9	0.1086	30.24	58.32	311.5
#1	-0.009	0.150	-0.019	0.075	0.000	84.29	-0.001	0.001	0.001
#2	0.000	0.198	0.007	0.074	0.000	84.23	0.000	0.001	-0.001
#3	-0.003	0.195	0.011	0.079	0.000	84.41	-0.001	0.000	0.001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.001	2.236	1.110	1.643	0.0154	0.025	5.227	0.000	0.000
Stddev	0.001	0.023	0.037	0.008	0.001	0.001	0.020	0.000	0.005
%RSD	117.2	1.026	3.320	0.4862	0.5507	3.285	0.3877	1596.	27440.
#1	0.000	2.263	1.069	1.646	0.0153	0.025	5.236	-0.001	0.001
#2	-0.001	2.220	1.138	1.648	0.0154	0.025	5.203	-0.001	0.004
#3	-0.003	2.227	1.125	1.633	0.0155	0.024	5.240	0.001	-0.005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.002	-0.022	1.622	0.001	0.850	0.002	-0.018	0.004	0.330
Stddev	0.010	0.004	0.002	0.004	0.033	0.001	0.009	0.000	0.001
%RSD	528.8	18.42	0.1478	313.2	0.3695	21.92	48.71	2.722	0.2649
#1	-0.009	-0.023	1.624	0.006	0.849	0.002	-0.016	0.004	0.329
#2	0.010	-0.025	1.620	0.000	0.8818	0.002	-0.011	0.004	0.329
#3	0.005	-0.017	1.622	-0.002	0.8884	0.003	-0.028	0.004	0.331
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2510.1	4723.9	37784.	3416.4					
Stddev	3.9	10.4	120.	23.9					
%RSD	0.15372	0.21967	0.31887	0.70064					
#1	2512.1	4711.9	37693.	3425.2					
#2	2512.6	4730.2	37921.	3434.7					
#3	2505.7	4729.6	37740.	3389.3					

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Sample Name: CCV Acquired: 2/29/2016 13:15:47 Type: QC
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2517	41.28	2.044	2.091	2.033	40.12	2.083	2.113	2.025
Stddev	0.010	0.09	0.006	0.004	0.002	0.11	0.007	0.003	0.006
%RSD	0.4115	0.2248	0.2980	0.1813	0.1077	0.2851	0.3144	0.1605	0.2758
#1	2509	41.24	2.046	2.091	2.035	40.01	2.077	2.110	2.032
#2	2529	41.39	2.037	2.094	2.033	40.24	2.082	2.112	2.022
#3	2513	41.22	2.049	2.086	2.031	40.10	2.090	2.117	2.022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.056	41.14	40.39	39.90	2.008	2.090	40.47	2.066	1.993
Stddev	0.007	0.08	0.05	0.05	0.004	0.003	0.08	0.005	0.007
%RSD	0.3330	0.1985	0.1289	0.1265	0.2077	0.1626	0.1934	0.2466	0.3619
#1	2.029	41.08	40.34	39.88	2.012	2.086	40.48	2.063	1.987
#2	2.040	41.24	40.44	39.86	2.004	2.092	40.54	2.064	1.991
#3	2.041	41.11	40.40	39.95	2.009	2.091	40.38	2.072	2.001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.056	2.076	1.728	2.032	2.004	1.999	2.011	1.970	2.029
Stddev	0.003	0.009	0.001	0.009	0.005	0.001	0.004	0.005	0.012
%RSD	0.1215	0.4445	0.0664	0.4517	0.2307	0.0650	0.1882	0.2374	0.5645
#1	2.054	2.071	1.726	2.030	2.007	2.001	2.008	1.975	2.022
#2	2.058	2.070	1.728	2.024	2.005	1.998	2.010	1.968	2.022
#3	2.058	2.087	1.728	2.042	1.999	1.999	2.015	1.966	2.042
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 2/29/2016 13:15:47 Type: QC
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2299.8	4719.1	37589.	3423.9
Stddev	3.4	3.6	67.	10.9
%RSD	0.14625	0.07527	0.17866	0.31796
#1	2303.0	4722.9	37589.	3433.1
#2	2300.0	4718.4	37521.	3426.6
#3	2296.3	4715.9	37656.	3411.9

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Sample Name: CCB Acquired: 2/29/2016 13:19:59 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.005	0.036	-0.005	-0.002	0.002	0.044	0.001	0.000	0.000
Stddev	0.002	0.048	0.010	0.003	0.001	0.018	0.000	0.000	0.000
%RSD	48.08	132.7	186.4	170.4	35.37	41.72	85.00	145.1	406.7
#1	-0.006	0.003	-0.003	-0.003	0.002	0.030	0.001	0.000	0.000
#2	-0.002	0.014	0.003	0.002	0.001	0.064	0.000	0.001	-0.002
#3	-0.005	0.092	-0.016	-0.005	0.001	0.037	0.000	0.000	0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	0.122	-0.232	0.241	0.001	0.006	0.361	0.002	-0.002
Stddev	0.000	0.024	0.012	0.126	0.000	0.003	0.018	0.001	0.001
%RSD	8.620	19.60	5.112	52.25	33.17	51.12	5.097	38.09	55.07
#1	-0.003	0.133	-0.227	0.387	0.001	0.008	0.366	0.002	-0.004
#2	-0.003	0.138	-0.224	0.160	0.001	0.007	0.376	0.002	-0.001
#3	-0.003	0.094	-0.246	0.177	0.001	0.003	0.340	0.001	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.004	-0.009	0.001	0.004	0.001	0.009	-0.016	0.002	0.000
Stddev	0.002	0.015	0.001	0.001	0.001	0.001	0.005	0.002	0.000
%RSD	56.95	161.3	106.7	19.39	65.17	7.605	32.21	126.6	747.7
#1	0.006	-0.018	0.000	0.004	0.001	0.009	-0.010	0.004	0.000
#2	0.005	0.008	0.001	0.003	0.000	0.009	-0.018	0.000	0.000
#3	0.001	-0.018	0.002	0.004	0.001	0.008	-0.020	0.002	0.000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 2/29/2016 13:19:59 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2749.8	4990.9	39611.	3574.3
Stddev	3.7	12.9	85.	17.4
%RSD	.13330	.25791	.21528	.48664
#1	2750.6	4994.9	39600.	3580.2
#2	2753.1	5001.2	39701.	3587.9
#3	2745.9	4976.5	39531.	3554.7

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: FA31637-1 Acquired: 2/29/2016 13:24:31 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.000	0.054	0.115	0.425	0.001	0.232	-0.004	0.264	0.008
Stddev	0.000	0.010	0.006	0.013	0.000	1.3	0.001	0.003	0.002
%RSD	613.6	19.26	5.576	3.063	52.44	5715	16.12	1.158	24.37
#1	-0.003	0.042	0.117	0.426	0.000	0.232	-0.003	0.267	0.006
#2	-0.001	0.061	0.121	0.427	0.001	0.231	-0.004	0.264	0.009
#3	0.003	0.058	0.108	0.423	0.001	0.234	-0.004	0.261	0.008

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.001	22.79	13.90	46.80	F 4.370	0.078	43.28	0.147	-0.007
Stddev	0.002	0.3	0.2	0.6	0.23	0.002	0.8	0.003	0.001
%RSD	156.3	1.404	1.467	1.245	5.316	2.393	1.913	2.112	15.02
#1	0.002	22.75	13.92	46.75	4.392	0.080	43.25	0.150	-0.007
#2	-0.001	22.80	13.91	46.86	4.373	0.077	43.38	0.147	-0.006
#3	0.003	22.81	13.88	46.78	4.346	0.078	43.22	0.144	-0.009

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.004	0.003	12.74	0.003	1.298	0.015	-0.017	0.005	0.180
Stddev	0.011	0.028	1.4	0.002	0.03	0.002	0.001	0.001	0.001
%RSD	317.0	1042.	1.099	81.10	2.657	13.11	5.994	20.56	3.385
#1	0.011	-0.002	12.88	0.003	1.299	0.013	-0.019	0.005	0.181
#2	-0.009	0.033	12.73	0.005	1.301	0.017	-0.017	0.004	0.180
#3	0.009	-0.023	12.60	0.000	1.294	0.015	-0.016	0.005	0.180

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2235.8	4469.8	35119.	3257.8
Stddev	18.3	43.6	106.	11.8
%RSD	.82022	.97447	.30255	.36314
#1	2215.3	4424.1	34997.	3262.7
#2	2241.2	4474.4	35180.	3266.4
#3	2250.8	4510.9	35181.	3244.3

Sample Name: FA31669-1 Acquired: 2/29/2016 13:29:10 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.003	0.065	-0.011	0.190	0.000	0.348	-0.001	0.000	0.018
Stddev	0.002	0.053	0.006	0.005	0.001	0.17	0.000	0.000	0.001
%RSD	60.78	8.743	50.84	2.509	482.0	47.35	35.02	323.0	2.910
#1	-0.001	0.045	-0.015	0.185	-0.001	0.356	-0.001	0.000	0.018
#2	-0.003	0.044	-0.013	0.191	0.001	0.348	-0.001	0.000	0.018
#3	-0.005	0.062	-0.005	0.194	0.001	0.347	-0.001	0.000	0.019

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.137	0.607	0.983	8.277	0.061	-0.003	11.00	0.057	0.019
Stddev	0.000	0.041	0.387	0.080	0.001	0.001	0.06	0.001	0.002
%RSD	.2716	6.681	3.913	0.9711	1.085	28.39	0.5413	0.9899	11.53
#1	0.137	0.598	1.001	8.300	0.062	-0.003	11.06	0.058	0.020
#2	0.137	0.651	0.948	8.344	0.060	-0.003	10.98	0.057	0.017
#3	0.137	0.572	1.019	8.188	0.061	-0.002	10.95	0.058	0.021

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.001	-0.002	3.460	0.000	0.548	0.005	-0.019	-0.001	0.896
Stddev	0.005	0.013	0.02	0.002	0.016	0.001	0.011	0.002	0.002
%RSD	706.7	572.4	0.536	972.7	2.955	13.51	55.08	160.1	1.711
#1	0.005	0.003	3.460	0.003	0.549	0.006	-0.013	-0.002	0.895
#2	-0.003	-0.017	3.458	-0.001	0.549	0.005	-0.031	0.001	0.898
#3	-0.004	0.007	3.462	0.000	0.546	0.005	-0.013	-0.001	0.896

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2531.6	4758.5	37356.	3281.3
Stddev	7.3	11.0	89.	26.7
%RSD	.28892	.23041	.23948	.81479
#1	2523.8	4746.4	37260.	3254.1
#2	2538.2	4767.8	37437.	3282.5
#3	2532.9	4761.3	37371.	3307.5

Sample Name: FA31670-1 Acquired: 2/29/2016 13:33:34 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	0.368	0.001	0.178	-0.001	35.39	-0.001	0.001	-0.001
Stddev	0.003	0.033	0.005	0.004	0.001	0.30	0.000	0.001	0.001
%RSD	65.07	8.972	473.1	2.112	72.48	8.358	24.34	90.27	187.9
#1	-0.003	0.392	0.005	0.177	-0.001	35.73	-0.001	0.000	-0.002
#2	-0.002	0.330	0.003	0.174	-0.001	35.26	-0.001	0.002	0.000
#3	-0.008	0.382	-0.005	0.182	0.000	35.18	-0.001	0.001	0.000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.004	-0.028	9.382	8.334	0.025	-0.005	10.63	0.042	0.004
Stddev	0.001	0.009	0.612	0.102	0.000	0.000	0.06	0.001	0.005
%RSD	2.218	31.73	6.527	1.224	0.7105	2.884	5.205	2.301	128.6
#1	0.046	-0.036	9.810	8.446	0.024	-0.005	10.67	0.043	0.006
#2	0.048	-0.029	9.654	8.306	0.025	-0.005	10.64	0.041	-0.002
#3	0.048	-0.018	8.680	8.248	0.025	-0.005	10.56	0.042	0.006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.004	-0.005	3.542	0.000	0.575	0.002	-0.006	0.000	0.940
Stddev	0.004	0.009	0.004	0.002	0.032	0.001	0.006	0.000	0.001
%RSD	109.6	192.3	0.137	910.8	5.609	46.88	88.84	625.7	1337
#1	0.002	-0.003	3.537	-0.002	0.5711	0.002	-0.003	0.000	0.941
#2	0.008	-0.015	3.544	0.001	0.5667	0.002	-0.003	-0.002	0.940
#3	0.001	0.003	3.544	0.002	0.5649	0.003	-0.013	0.001	0.938
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2540.5	4759.5	3797.0	3349.9					
Stddev	2.0	11.7	118.	47.8					
%RSD	0.7746	2.4603	3.0999	1.4283					
#1	2538.5	4773.0	3787.2	3296.6					
#2	2540.8	4752.6	3810.0	3364.0					
#3	2542.4	4752.9	3793.7	3389.1					

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Sample Name: FA31671-37 Acquired: 2/29/2016 13:38:02 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	0.377	-0.013	0.178	0.000	35.66	-0.001	0.001	0.002
Stddev	0.003	0.024	0.004	0.004	0.000	0.07	0.001	0.000	0.001
%RSD	59.18	6.399	29.26	1.984	615.9	1.986	48.01	8.078	68.48
#1	-0.002	0.399	-0.009	0.182	0.000	35.59	-0.002	0.001	0.002
#2	-0.008	0.351	-0.017	0.176	-0.001	35.68	-0.001	0.001	0.001
#3	-0.006	0.380	-0.012	0.176	0.000	35.72	-0.001	0.001	0.003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.005	0.007	9.712	8.413	0.026	-0.005	10.69	0.043	0.001
Stddev	0.001	0.007	0.401	0.076	0.000	0.001	0.01	0.001	0.004
%RSD	2.338	103.6	4.125	0.908	0.7565	14.64	0.0904	3.384	364.0
#1	0.052	0.015	9.970	8.335	0.026	-0.005	10.69	0.042	0.005
#2	0.050	0.007	9.915	8.417	0.026	-0.005	10.68	0.045	-0.002
#3	0.050	0.000	9.250	8.488	0.026	-0.006	10.70	0.043	0.000
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.002	-0.013	3.542	0.004	0.5716	0.001	-0.012	0.000	0.920
Stddev	0.005	0.006	0.008	0.002	0.008	0.001	0.008	0.000	0.004
%RSD	192.4	51.70	0.2346	51.59	1.461	75.12	64.73	821.1	390.0
#1	0.002	-0.018	3.551	0.004	0.5722	0.001	-0.009	0.001	0.923
#2	0.007	-0.005	3.535	0.002	0.5719	0.000	-0.006	0.000	0.922
#3	-0.002	-0.015	3.540	0.006	0.5706	0.001	-0.021	-0.001	0.916
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2512.3	4717.3	3738.9	3336.8					
Stddev	6.4	10.1	283.	8.3					
%RSD	0.25296	2.1454	7.5688	2.4994					
#1	2506.5	4705.7	3706.3	3345.3					
#2	2511.5	4722.2	3757.6	3336.3					
#3	2519.1	4724.0	3752.7	3328.7					

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Sample Name: FA31672-27 Acquired: 2/29/2016 13:42:30 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	0.405	-0.007	0.183	-0.001	35.24	-0.001	0.001	0.001
Stddev	0.000	0.029	0.007	0.002	0.000	0.14	0.001	0.000	0.001
%RSD	7.152	7.045	90.89	1.061	53.58	3.908	54.30	71.25	92.85
#1	-0.005	0.409	-0.006	0.183	0.000	35.28	-0.001	0.001	0.000
#2	-0.006	0.375	-0.015	0.180	-0.001	35.34	0.000	0.000	0.002
#3	-0.006	0.043	-0.002	0.184	-0.001	35.08	-0.002	0.000	0.001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.004	-0.005	9.622	8.310	0.027	-0.007	10.62	0.042	-0.005
Stddev	0.002	0.019	0.691	0.034	0.000	0.001	0.04	0.000	0.005
%RSD	3.385	390.5	7.181	4.091	2.197	14.27	4.091	1.076	119.6
#1	0.050	0.005	1.041	8.337	0.027	-0.006	10.64	0.042	-0.008
#2	0.049	0.006	9.299	8.321	0.027	-0.008	10.64	0.043	0.002
#3	0.047	-0.026	9.151	8.272	0.027	-0.007	10.57	0.042	-0.007
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.008	-0.004	3.458	0.001	0.5665	0.001	-0.015	-0.001	0.901
Stddev	0.008	0.007	0.023	0.002	0.012	0.001	0.006	0.000	0.005
%RSD	100.4	167.3	0.6751	285.9	2.137	89.36	42.96	43.30	563.9
#1	0.018	-0.005	3.483	0.002	0.5666	0.000	-0.018	0.000	0.907
#2	0.003	-0.012	3.454	-0.002	0.5676	0.002	-0.019	-0.001	0.899
#3	0.004	0.003	3.437	0.002	0.5652	0.001	-0.008	-0.001	0.897
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2540.9	4778.8	3782.0	3363.3					
Stddev	9.2	19.7	47.	7.9					
%RSD	0.36124	4.1286	1.2506	2.3554					
#1	2535.0	4757.3	3777.2	3370.0					
#2	2536.2	4782.9	3782.2	3354.6					
#3	2551.5	4796.1	3786.6	3365.3					

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Sample Name: FA31656-1 Acquired: 2/29/2016 13:46:57 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	0.051	-0.002	0.724	-0.001	83.44	-0.001	0.023	0.001
Stddev	0.002	0.080	0.001	0.001	0.000	0.24	0.000	0.001	0.001
%RSD	36.93	157.2	56.84	1.793	19.49	2.855	19.25	3.555	121.9
#1	-0.006	0.108	-0.001	0.724	-0.001	83.53	-0.001	0.023	0.002
#2	-0.005	0.084	-0.004	0.725	-0.002	83.62	-0.001	0.024	0.002
#3	-0.003	-0.040	-0.002	0.723	-0.001	83.17	-0.001	0.022	0.000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.003	0.7901							

Sample Name: FA31656-2 Acquired: 2/29/2016 13:51:23 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	0.0339	-0.0008	0.0593	-0.0001	101.5	-0.0001	0.0023	0.0002
Stddev	.0001	.0066	.0004	.0002	.0000	.2	.0000	.0001	.0002
%RSD	9.904	19.45	49.85	.2932	10.34	.1702	42.41	4.637	92.97
#1	-0.005	.0276	-.0011	.0593	-.0001	101.6	-.0001	.0022	.0002
#2	-.0006	.0334	-.0004	.0594	-.0001	101.3	-.0001	.0024	.0004
#3	-.0005	.0407	-.0008	.0591	-.0001	101.5	-.0002	.0023	.0000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0005	0.6494	3.994	23.64	1.579	0.011	39.07	0.0050	0.001
Stddev	.0002	.0017	.034	.09	.0007	.0001	.01	.0002	.0004
%RSD	40.59	.2637	.8525	.3831	.4270	10.36	.0213	3.936	293.1
#1	.0008	.6479	3.978	23.68	1.587	.0011	39.08	.0048	.0000
#2	.0004	.6491	3.971	23.53	1.577	.0013	39.06	.0050	-.0002
#3	.0004	.6513	4.033	23.70	1.574	.0011	39.07	.0052	.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0005	-0.0034	2.570	-0.0001	0.4597	0.005	-0.0008	-0.0001	0.2600
Stddev	.0004	.0016	.015	.0004	.0002	.0001	.0015	.0003	.0003
%RSD	93.12	48.47	.5982	626.9	.0437	17.93	181.4	375.9	1.218
#1	.0006	-.0035	2.555	-.0005	.4598	.0004	-.0018	-.0004	.2597
#2	.0000	-.0049	2.569	.0001	.4595	.0005	.0009	.0002	.2603
#3	.0009	-.0017	2.585	.0002	.4599	.0005	-.0017	.0000	.2601
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2363.8	4567.4	36537.	3314.0					
Stddev	11.1	26.1	217.	14.8					
%RSD	.46850	.57105	.59290	.44611					
#1	2375.0	4593.3	36346.	3310.4					
#2	2363.5	4567.7	36491.	3330.3					
#3	2352.9	4541.2	36772.	3301.4					

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Sample Name: MP30042-MB1 Acquired: 2/29/2016 13:55:48 Type: QC
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	0.0020	-0.0017	-0.0004	-0.0001	0.0069	-0.0001	-0.0001	0.0000
Stddev	.0003	.0114	.0006	.0001	.0000	.0029	.0000	.0000	.0002
%RSD	81.06	574.6	33.57	23.33	30.35	41.96	35.17	15.99	1792.
#1	.0000	.0141	-.0023	-.0003	.0000	.0102	-.0001	-.0002	-.0002
#2	-.0005	.0006	-.0016	-.0003	-.0001	.0053	-.0001	-.0002	.0001
#3	-.0004	-.0087	-.0012	-.0005	-.0001	.0051	-.0001	-.0001	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	-0.0087	0.0093	0.002	-0.0001	-0.0007	0.0428	-0.0003	-0.0003
Stddev	.0003	.0016	.0257	.0156	.0000	.0001	.0012	.0001	.0004
%RSD	55.03	18.83	277.7	8502.	13.33	18.95	2.768	27.29	139.6
#1	-.0003	-.0103	-.0189	.0074	-.0001	-.0007	.0419	-.0002	.0001
#2	-.0008	-.0070	.0315	-.0177	-.0001	-.0006	.0441	-.0003	-.0007
#3	-.0005	-.0089	.0153	.0109	-.0001	-.0009	.0423	-.0003	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0006	0.0003	0.0067	-0.0001	-0.0001	-0.0007	-0.0018	-0.0002	-0.0005
Stddev	.0007	.0002	.0001	.0003	.0000	.0000	.0002	.0001	.0000
%RSD	110.2	63.31	.7680	272.9	37.98	6.432	13.56	37.46	8.747
#1	.0012	.0001	.0067	-.0001	-.0001	-.0007	-.0015	-.0003	-.0004
#2	.0007	.0003	.0067	-.0004	-.0001	-.0008	-.0018	-.0001	-.0005
#3	-.0001	.0005	.0066	.0002	-.0002	-.0007	-.0020	-.0002	-.0005
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: MP30042-MB1 Acquired: 2/29/2016 13:55:48 Type: QC
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2714.6	4892.8	39528.	3461.4
Stddev	3.3	10.4	23.	16.1
%RSD	.12207	.21177	.05900	.46399
#1	2710.8	4880.9	39526.	3444.4
#2	2717.1	4900.2	39505.	3476.4
#3	2715.9	4897.1	39551.	3463.3

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Sample Name: MP30042-B1 Acquired: 2/29/2016 14:00:20 Type: QC
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0473	28.66	2.004	2.145	0.0526	25.87	0.0524	0.5307	0.2060
Stddev	.0007	.09	.003	.007	.0002	.15	.0000	.0002	.0010
%RSD	1.421	.3093	.1556	.3385	.3532	.5769	.0708	.0458	.4870
#1	.0467	28.59	2.005	2.145	.0528	25.70	.0524	.5307	.2072
#2	.0480	28.63	2.000	2.137	.0528	25.98	.0524	.5302	.2055
#3	.0471	28.76	2.006	2.152	.0524	25.94	.0524	.5303	.2054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.2618	27.91	25.88	25.75	0.5157	0.5337	26.24	0.5246	0.4825
Stddev	.0002	.08	.14	.21	.0024	.0004	.08	.0003	.0005
%RSD	.0892	.2790	.5505	.8219	.4571	.0796	.2960	.0496	.0990
#1	.2616	27.82	25.73	25.54	.5184	.5333	26.21	.5245	.4826
#2	.2620	27.96	26.01	25.97	.5143	.5341	26.18	.5244	.4820
#3	.2616	27.96	25.91	25.75	.5144	.5336	26.33	.5249	.4830
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.5092	2.039	0.176	0.5231	0.5085	0.5126	1.942	0.4739	0.5117
Stddev	.0034	.007	.0005	.0007	.0017	.0016	.002	.0011	.0010
%RSD	.6604	.3566	3.005	.1262	.3298	.3025	.0832	.2294	.1929
#1	.5130	2.047	.0171	.5228	.5081	.5139	1.942	.4751	.5126
#2	.5081	2.039	.0181	.5227	.5071	.5130	1.940	.4738	.5106
#3	.5066	2.032	.0178	.5239	.5104	.5109	1.943	.4729	.5119
Check ?	Chk Pass	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: MP30042-B1 Acquired: 2/29/2016 14:00:20 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2433.6	4783.9	3819.8	3497.1
Stddev	2.0	4.5	163.	19.4
%RSD	.08179	.09356	.42616	.55356
#1	2431.6	4783.5	3801.2	3515.8
#2	2433.6	4779.6	38265.	3477.1
#3	2435.6	4788.5	38317.	3498.3

Sample Name: FA31387-1 Acquired: 2/29/2016 14:04:33 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	.0003	.0164	-.0021	.0932	-.0001	8.188	-.0001	.0014	.0007
Stddev	.0001	.0036	.0002	.0003	.0000	.061	.0000	.0001	.0001
%RSD	18.21	21.63	10.25	.3094	28.19	.7513	39.35	5.107	16.78
#1	.0003	.0203	-.0019	.0934	-.0001	8.258	-.0001	.0014	.0007
#2	.0003	.0156	-.0022	.0928	-.0001	8.160	-.0001	.0014	.0008
#3	.0004	.0134	-.0023	.0933	.0000	8.145	-.0001	.0013	.0006
Elem	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.0014	.0164	.4265	2.131	5.659	-.0006	149.4	.0015	.0008
Stddev	.0003	.0013	.0338	.034	.018	.0002	.3	.0001	.0003
%RSD	20.33	7.679	7.915	1.590	.3167	30.81	.2224	7.132	33.01
#1	.0011	.0176	.4213	2.160	5.674	-.0005	149.5	.0015	.0006
#2	.0017	.0164	.3957	2.140	5.663	-.0006	149.6	.0017	.0011
#3	.0015	.0151	.4626	2.094	5.639	-.0009	149.0	.0015	.0009
Elem	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.0013	.0002	.4029	.0004	.0387	.0000	-.0001	-.0001	.0141
Stddev	.0007	.0009	.0011	.0002	.0003	.000	.0015	.0000	.0001
%RSD	55.41	399.2	.2608	47.86	.6491	55.75	1065.	27.42	.5884
#1	.0009	.0011	.4038	.0006	.0389	.0000	.0015	-.0001	.0142
#2	.0021	-.0007	.4030	.0002	.0388	.0000	-.0005	-.0001	.0141
#3	.0009	.0002	.4018	.0005	.0384	-.0001	-.0014	-.0001	.0140
Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710					
Avg	2400.0	4689.9	3661.9	3370.3					
Stddev	8.9	13.2	43.	17.7					
%RSD	.37219	.28226	.11725	.52497					
#1	2390.1	4674.8	36576.	3365.9					
#2	2407.3	4699.2	36620.	3355.3					
#3	2402.7	4695.9	36662.	3389.8					

7.1
7

Sample Name: CCV Acquired: 2/29/2016 14:09:10 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2519	41.50	2.036	2.077	2.049	40.20	2.081	2.109	2.057
Stddev	.0007	.07	.005	.007	.007	.13	.006	.006	.002
%RSD	.2626	.1772	.2426	.3337	.3314	.3188	.2842	.3105	.0966
#1	.2526	41.43	2.035	2.073	2.046	40.18	2.078	2.105	2.057
#2	.2519	41.58	2.031	2.085	2.057	40.34	2.078	2.106	2.059
#3	.2512	41.48	2.041	2.073	2.045	40.08	2.088	2.117	2.055

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.057	41.48	40.50	40.36	2.062	2.090	40.63	2.066	1.989
Stddev	.012	.13	.07	.14	.006	.008	.09	.004	.004
%RSD	.5780	.3227	.1679	.3560	.2734	.3805	.2260	.2193	.2184
#1	2.062	41.38	40.47	40.50	2.063	2.083	40.54	2.063	1.986
#2	2.067	41.63	40.58	40.38	2.067	2.089	40.72	2.064	1.987
#3	2.044	41.42	40.45	40.21	2.056	2.098	40.65	2.071	1.994

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.050	2.063	1.715	2.030	2.024	2.042	2.006	1.988	2.041
Stddev	.010	.002	.007	.006	.007	.008	.002	.001	.007
%RSD	.4926	.1023	.4250	.2795	.3457	.3919	.0770	.0557	.3498
#1	2.038	2.061	1.706	2.027	2.017	2.041	2.005	1.988	2.046
#2	2.052	2.062	1.719	2.026	2.031	2.050	2.007	1.989	2.033
#3	2.058	2.065	1.719	2.036	2.023	2.034	2.004	1.987	2.044

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 2/29/2016 14:09:10 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2293.3	4697.7	36962.	3373.1
Stddev	3.3	14.7	124.	6.0
%RSD	.14370	.31342	.33471	.17723
#1	2294.3	4711.3	36887.	3366.4
#2	2296.0	4699.8	37104.	3377.8
#3	2289.6	4682.1	36893.	3375.2

Sample Name: CCB Acquired: 2/29/2016 14:13:21 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	0.011	-0.004	0.002	0.002	0.051	0.000	0.001	0.000
Stddev	0.002	0.044	0.005	0.002	0.001	0.053	0.000	0.001	0.001
%RSD	54.06	417.2	127.5	92.12	31.50	103.7	170.5	111.4	324.5

#1 -0.004 -0.038 0.000 0.003 0.003 0.008 0.000 0.001 -0.001
 #2 -0.004 0.048 -0.009 0.000 0.002 0.111 0.000 0.002 0.001
 #3 -0.001 0.022 -0.002 0.004 0.002 0.035 0.000 0.000 0.000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	0.168	0.151	-0.020	0.002	0.009	0.040	0.001	-0.002
Stddev	0.003	0.048	0.183	0.262	0.000	0.002	0.020	0.001	0.003
%RSD	128.2	28.52	121.5	1298.	5.754	26.70	5.029	82.12	163.7

#1 -0.005 0.216 0.116 0.267 0.002 0.011 0.379 0.001 0.001
 #2 -0.001 0.169 -0.013 -0.080 0.001 0.009 0.415 0.000 -0.005
 #3 -0.004 0.120 0.348 -0.247 0.001 0.006 0.413 0.001 -0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.006	-0.002	0.028	0.007	0.001	0.011	-0.002	0.001	0.001
Stddev	0.012	0.017	0.029	0.003	0.001	0.002	0.008	0.001	0.001
%RSD	222.1	961.4	103.3	43.30	81.22	15.81	338.4	213.3	44.59

#1 0.007 0.001 0.009 0.007 0.003 0.012 -0.008 0.001 0.002
 #2 -0.007 -0.020 0.014 0.009 0.002 0.011 0.007 -0.001 0.001
 #3 0.017 0.013 0.061 0.004 0.000 0.009 -0.005 0.002 0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 2/29/2016 14:13:21 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2697.3	4851.4	3874.0	3421.0
Stddev	6.4	11.2	28.	5.3
%RSD	.23879	.23070	.07285	.15587

#1 2693.6 4862.4 38711. 3416.8
 #2 2704.8 4851.8 38768. 3427.0
 #3 2693.6 4840.0 38740. 3419.2

7.1
7

Sample Name: MP30042-D1 Acquired: 2/29/2016 14:17:54 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.004	0.096	-0.014	0.933	-0.001	8.227	-0.001	0.014	0.008
Stddev	0.003	0.048	0.004	0.005	0.000	0.26	0.000	0.001	0.000
%RSD	72.73	49.58	32.96	5.578	31.07	3.212	41.94	6.993	5.678

#1 0.007 0.142 -0.009 0.931 0.000 8.246 -0.001 0.015 0.007
 #2 0.002 0.047 -0.018 0.939 -0.001 8.239 -0.001 0.013 0.008
 #3 0.002 0.099 -0.015 0.929 -0.001 8.197 0.000 0.014 0.008

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.015	0.126	0.3715	2.145	F 5.621	-0.004	F 149.8	0.014	0.002
Stddev	0.003	0.012	0.292	0.27	0.058	0.001	8	0.001	0.002
%RSD	20.00	9.274	7.863	1.278	1.030	17.66	5.399	9.171	116.4

#1 0.019 0.126 0.3860 2.176 5.576 -0.003 150.2 0.015 0.003
 #2 0.014 0.137 0.3905 2.124 5.687 -0.004 150.4 0.013 0.003
 #3 0.014 0.114 0.3378 2.135 5.602 -0.004 148.9 0.015 0.001

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.008	0.005	0.4045	0.002	0.388	0.001	-0.003	-0.001	0.140
Stddev	0.003	0.001	0.011	0.002	0.002	0.000	0.011	0.001	0.001
%RSD	43.08	21.27	2.691	105.7	0.4785	49.36	379.4	90.33	0.4464

#1 0.004 0.005 0.4054 0.000 0.389 0.001 -0.001 -0.003 0.141
 #2 0.008 0.004 0.4048 0.005 0.390 0.002 -0.015 -0.001 0.140
 #3 0.011 0.007 0.4032 0.002 0.386 0.001 0.007 0.000 0.140

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2390.4	4647.5	36325.	3358.7
Stddev	11.1	12.0	234.	15.0
%RSD	4.6458	2.5866	0.64489	0.44613

#1 2380.0 4634.8 36376. 3346.0
 #2 2389.2 4648.9 36070. 3354.9
 #3 2402.1 4658.7 36530. 3375.3

Sample Name: MP30042-SD1 Acquired: 2/29/2016 14:22:31 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.002	0.322	-0.042	0.854	-0.002	7.729	-0.004	0.011	0.001
Stddev	0.006	0.116	0.019	0.003	0.004	0.005	0.000	0.004	0.005
%RSD	349.4	36.05	44.63	3.426	244.0	0.603	8.468	38.23	547.0

#1 -0.003 0.411 -0.056 0.851 0.003 7.726 -0.004 0.011 0.004
 #2 0.009 0.191 -0.049 0.856 -0.003 7.727 -0.004 0.006 0.004
 #3 -0.001 0.363 -0.021 0.856 -0.005 7.735 -0.004 0.015 0.005

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.003	-0.241	0.3944	2.100	5.598	-0.034	141.7	0.009	-0.012
Stddev	0.002	0.140	0.1243	0.148	0.011	0.005	7	0.004	0.013
%RSD	51.24	58.24	31.50	7.055	0.1969	13.77	5.030	39.15	113.2

#1 -0.001 -0.338 0.4710 2.210 5.609 -0.032 142.5 0.006 -0.021
 #2 -0.004 -0.080 0.4611 2.159 5.597 -0.040 141.2 0.013 -0.018
 #3 -0.003 -0.305 0.2510 1.931 5.587 -0.032 141.3 0.009 0.003

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.029	-0.021	0.3918	-0.001	0.359	-0.022	-0.001	-0.003	0.409
Stddev	0.039	0.055	0.016	0.015	0.004	0.003	0.052	0.005	0.004
%RSD	135.0	261.5	4.082	100.2	1.090	11.65	420.0	215.0	1.050

#1 0.052 -0.023 0.3915 0.002 0.363 -0.021 -0.053 0.004 0.412
 #2 -0.016 -0.034 0.3936 -0.018 0.356 -0.020 0.051 -0.007 0.411
 #3 0.052 -0.075 0.3905 0.011 0.356 -0.025 -0.001 -0.004 0.404

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2582.7	4802.7	37716.	3371.6
Stddev	1.7	6.6	124.	43.5
%RSD	0.06634	0.13732	0.32931	1.2895

#1 2581.2 4802.9 37734. 3321.6
 #2 2584.6 4809.2 37584. 3400.9
 #3 2582.4 4796.0 37830. 3392.2

Sample Name: MP30042-S1 Acquired: 2/29/2016 14:27:02 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0502	30.02	2.109	2.319	.0551	34.96	.0536	5.399	2.118
Stddev	.0004	.15	.003	.007	.0001	.11	.0001	.0010	.0011
%RSD	.7146	.5114	.1467	.3213	.2502	.3261	.1352	.1894	.5133
#1	.0506	30.04	2.108	2.313	.0550	34.91	.0536	5.402	2.129
#2	.0502	30.17	2.107	2.327	.0552	35.09	.0536	5.408	2.118
#3	.0499	29.86	2.113	2.317	.0552	34.88	.0535	5.388	2.107
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2745	29.21	27.64	28.97	F 5.997	5.489	F 176.3	5.341	4.997
Stddev	.0007	.19	.14	.17	.046	.0005	1.4	.0011	.0017
%RSD	.2635	.6430	.5116	.5875	.7718	.0857	.8142	.2068	.3342
#1	.2753	29.21	27.64	28.97	6.049	5.487	177.9	5.351	4.981
#2	.2742	29.40	27.77	29.15	5.961	5.494	175.6	5.343	5.014
#3	.2739	29.03	27.49	28.81	5.981	5.486	175.3	5.330	4.995
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5276	2.164	4.238	5.282	5.312	1.962	4.872	5.246	5.516
Stddev	.0012	.006	.0013	.0014	.0009	.0020	.007	.0022	.0006
%RSD	.2348	.2687	.3082	.2639	.1508	.3848	.3425	4.479	1.146
#1	.5290	2.170	4.241	5.288	.5676	5.331	1.958	4.891	5.422
#2	.5274	2.162	4.250	5.266	.5692	5.315	1.969	4.875	5.417
#3	.5266	2.159	4.224	5.292	.5678	5.291	1.957	4.848	5.409
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2263.8	4588.0	36409.	3354.4					
Stddev	3.6	8.9	41.	31.8					
%RSD	.16092	.19418	.11231	.94848					
#1	2260.0	4579.0	36362.	3346.9					
#2	2264.0	4588.3	36439.	3327.0					
#3	2267.3	4596.8	36424.	3389.3					

Sample Name: MP30042-S2 Acquired: 2/29/2016 14:31:32 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0505	29.24	2.090	2.278	.0534	34.12	.0531	5.352	2.082
Stddev	.0005	.09	.002	.005	.0004	.14	.0001	.0006	.0009
%RSD	1.036	.2914	.0839	.2269	.7896	.4215	.1190	.1186	.4528
#1	.0506	29.27	2.089	2.280	.0535	34.09	.0531	5.349	2.083
#2	.0499	29.30	2.092	2.281	.0537	34.28	.0532	5.359	2.072
#3	.0509	29.14	2.090	2.272	.0529	34.00	.0530	5.347	2.090
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2687	28.34	27.02	28.07	F 5.804	5.430	F 169.5	5.292	4.932
Stddev	.0014	.09	.13	.14	.042	.0001	2.1	.0008	.0015
%RSD	.5352	.3257	.4845	.4991	.7233	.0126	1.241	.1453	.3130
#1	.2704	28.33	27.14	28.06	5.852	5.429	168.3	5.284	4.945
#2	.2678	28.44	27.04	28.21	5.787	5.430	171.9	5.300	4.935
#3	.2680	28.25	26.88	27.93	5.774	5.430	168.3	5.293	4.915
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5242	2.145	4.176	5.226	5.543	5.190	1.941	4.797	5.352
Stddev	.0006	.005	.0011	.0005	.0018	.0019	.002	.0007	.0013
%RSD	.1113	.2320	.2636	.0928	.3270	.3658	.0783	1.384	2.393
#1	.5238	2.151	4.164	5.220	.5527	5.211	1.940	4.803	5.353
#2	.5248	2.144	4.185	5.227	.5562	5.173	1.942	4.790	5.365
#3	.5238	2.141	4.180	5.230	.5539	5.187	1.940	4.799	5.339
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2286.1	4632.3	37059.	3468.0					
Stddev	.7	1.5	106.	14.5					
%RSD	.02951	.03238	.28536	.41908					
#1	2286.4	4632.2	36943.	3465.0					
#2	2286.5	4633.9	37150.	3455.3					
#3	2285.3	4630.9	37084.	3483.9					

7.1
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Sample Name: FA31502-1L Acquired: 2/29/2016 14:36:00 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0003	.0246	-.0021	.0225	.0000	4.946	-.0001	.0000	.0000
Stddev	.0004	.0116	.0012	.0004	.0000	.004	.0000	.000	.000
%RSD	155.7	47.27	54.64	1.845	66.64	.0855	37.30	3490.	11270.
#1	-.0004	.0375	-.0008	.0222	.0001	4.943	-.0002	.0001	-.0002
#2	-.0002	.0149	-.0026	.0223	.0000	4.945	-.0001	-.0001	.0001
#3	-.0006	.0214	-.0030	.0230	.0001	4.951	-.0001	.0000	.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0051	.0766	3.619	3.750	.0215	-.0004	F 138.0	.0001	.0005
Stddev	.0001	.0024	.0349	.0221	.0002	.0001	.3	.0001	.0004
%RSD	2.681	3.110	9.657	5.892	1.050	23.56	.1897	213.7	89.85
#1	.0050	.0782	.3714	.3966	.0217	-.0003	138.1	.0002	.0003
#2	.0049	.0739	.3911	.3525	.0214	-.0005	138.2	-.0001	.0010
#3	.0052	.0777	.3232	.3759	.0213	-.0004	137.7	.0000	.0002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0010	-.0012	.1171	.0005	.0173	.0003	-.0018	-.0001	.0017
Stddev	.0008	.0005	.0011	.0002	.0002	.0001	.0007	.0002	.0000
%RSD	80.70	42.83	.9663	32.30	.8683	23.05	36.95	237.6	1.792
#1	.0018	-.0008	.1179	.0005	.0172	.0003	-.0010	.0000	.0017
#2	.0010	-.0010	.1176	.0004	.0172	.0002	-.0023	-.0002	.0017
#3	.0002	-.0018	.1158	.0007	.0175	.0003	-.0021	.0001	.0017
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2420.5	4658.7	36988.	3412.7					
Stddev	6.2	14.1	213.	6.8					
%RSD	.25594	.30257	.57685	.19927					
#1	2415.1	4657.6	36881.	3408.2					
#2	2419.0	4645.3	36849.	3409.4					
#3	2427.3	4673.4	37234.	3420.5					

Sample Name: FA31502-2L Acquired: 2/29/2016 14:40:30 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0004	.0470	-.0016	.0324	.0000	1.230	.0001	.0001	.0040
Stddev	.0001	.0082	.0007	.0005	.0000	.003	.0000	.0000	.0000
%RSD	14.34	17.38	46.58	1.496	418.4	2521	38.42	47.05	1.090
#1	-.0004	.0427	-.0018	.0320	.0000	1.233	.0001	.0000	.0040
#2	-.0004	.0564	-.0022	.0324	.0000	1.228	.0001	.0000	.0040
#3	-.0003	.0419	-.0008	.0329	.0000	1.229	.0001	.0001	.0041
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0003	-.0024	.0963	.0841	.0010	-.0004	F 141.1	-.0001	.1814
Stddev	.0001	.0007	.0198	.0124	.0000	.0001	.2	.0002	.0005
%RSD	34.95	30.66	20.56	14.74	3.897	24.25	.1322	174.6	.2788
#1	.0004	-.0031	.0919	.0786	.0010	-.0003	141.1	.0000	.1813
#2	.0004	-.0023	.0791	.0983	.0011	-.0004	140.9	.0000	.1810
#3	.0002	-.0017							

Sample Name: FA31502-3L Acquired: 2/29/2016 14:45:02 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.0317	-0.0020	0.0149	0.0000	1.366	0.0000	0.0001	0.0004
Stddev	0.001	0.0081	0.0005	0.0002	0.000	0.002	0.0001	0.0001	0.0001
%RSD	43.61	25.74	23.18	1.508	123.2	0.1630	245.6	89.07	24.30
#1	-0.003	0.0257	-0.0021	0.0151	-0.0001	1.364	0.0001	0.0000	0.0003
#2	-0.001	0.0284	-0.0015	0.0147	0.0000	1.367	0.0000	0.0002	0.0005
#3	-0.002	0.0409	-0.0024	0.0149	-0.0001	1.368	0.0000	0.0001	0.0005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.002	0.0026	0.377	0.1897	0.0526	-0.0005	F 142.3	0.0004	0.1516
Stddev	0.003	0.0009	0.0227	0.0038	0.002	0.001	2	0.003	0.0004
%RSD	129.9	32.31	6.718	1.998	0.4277	12.91	0.1601	64.45	0.2883
#1	-0.001	0.0036	0.3292	0.1940	0.0528	-0.0005	142.4	0.0002	0.1511
#2	-0.003	0.0019	0.3204	0.1871	0.0524	-0.0006	142.0	0.0003	0.1520
#3	0.005	0.0025	0.3634	0.1879	0.0527	-0.0004	142.4	0.0007	0.1517
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.003	-0.0011	0.0357	0.0002	0.0038	-0.0004	-0.0021	-0.0001	0.1335
Stddev	0.007	0.0007	0.0003	0.0003	0.0001	0.0001	0.0004	0.0000	0.0004
%RSD	251.2	60.89	0.7848	165.3	2.191	17.22	19.45	30.48	0.2823
#1	0.004	-0.0018	0.0359	0.0004	0.0039	-0.0003	-0.0026	-0.0002	0.1333
#2	-0.005	-0.0004	0.0359	-0.0002	0.0038	-0.0004	-0.0017	-0.0001	0.1333
#3	0.009	-0.0011	0.0354	0.0003	0.0038	-0.0003	-0.0021	-0.0001	0.1340
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2400.5	4598.4	3654.9	3382.7					
Stddev	1.4	9.0	104.	17.0					
%RSD	0.05724	0.19473	0.28404	0.50153					
#1	2402.0	4588.2	3655.2	3383.7					
#2	2400.5	4601.6	3665.1	3399.1					
#3	2399.2	4605.3	3644.3	3365.3					

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Sample Name: FA31441-1L Acquired: 2/29/2016 14:49:29 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	0.2253	-0.0021	0.0384	0.0000	3.728	-0.0001	0.0003	0.0002
Stddev	0.001	0.0025	0.0003	0.0001	0.000	0.017	0.0000	0.0001	0.0001
%RSD	28.73	1.095	13.83	0.2726	89.91	0.4662	3.761	19.97	47.08
#1	-0.005	0.2274	-0.0020	0.0384	-0.0001	3.743	-0.0001	0.0003	0.0001
#2	-0.006	0.2226	-0.0019	0.0383	0.0000	3.709	-0.0001	0.0003	0.0002
#3	-0.003	0.2259	-0.0025	0.0385	0.0000	3.732	-0.0001	0.0002	0.0004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0036	0.0659	0.1922	0.3014	0.0100	-0.0007	F 148.6	0.0014	0.0050
Stddev	0.001	0.0021	0.0271	0.0055	0.0001	0.001	7	0.001	0.0010
%RSD	2.571	3.262	14.09	1.833	0.9075	19.46	0.4902	5.616	19.69
#1	0.0037	0.0671	0.2098	0.3001	0.0101	-0.0007	149.2	0.0013	0.0048
#2	0.0037	0.0671	0.2057	0.2966	0.0100	-0.0008	147.7	0.0015	0.0060
#3	0.0035	0.0634	0.1610	0.3074	0.0099	-0.0006	148.7	0.0014	0.0041
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0011	-0.0006	0.2405	0.0001	0.0158	0.0065	-0.0030	0.0001	0.0070
Stddev	0.006	0.0003	0.0027	0.0002	0.0001	0.0002	0.0015	0.0001	0.0001
%RSD	54.27	61.31	1.135	143.9	0.4694	2.898	49.78	137.9	0.9374
#1	0.015	-0.0008	0.2436	0.0004	0.0158	0.0067	-0.0045	0.0000	0.0069
#2	0.015	-0.0007	0.2387	0.0000	0.0158	0.0065	-0.0015	0.0003	0.0070
#3	0.004	-0.0002	0.2392	0.0001	0.0159	0.0063	-0.0032	0.0000	0.0069
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2393.8	4633.9	3679.4	3441.6					
Stddev	5.6	12.5	62.	29.2					
%RSD	0.23518	0.26926	0.16790	0.84829					
#1	2387.7	4632.0	3677.3	3425.0					
#2	2395.0	4622.5	3674.6	3475.3					
#3	2398.8	4647.2	3686.3	3424.5					

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7.1
7

Sample Name: MP30042-D2 Acquired: 2/29/2016 14:54:02 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0005	0.0202	-0.0015	0.0239	0.0001	5.348	-0.0001	0.0000	0.0001
Stddev	0.004	0.0010	0.0003	0.0000	0.0000	0.034	0.0000	0.000	0.0001
%RSD	91.97	4.754	19.52	0.1345	56.44	6.296	20.49	160.2	101.5
#1	-0.008	0.0196	-0.0011	0.0239	0.0001	5.380	-0.0001	0.0000	0.0001
#2	0.000	0.0197	-0.0017	0.0239	0.0000	5.352	-0.0001	0.0000	0.0002
#3	-0.006	0.0213	-0.0016	0.0239	0.0001	5.313	-0.0001	0.0000	0.0000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0059	0.0589	0.3787	0.3843	0.0221	-0.0006	F 142.5	0.0000	0.0010
Stddev	0.002	0.0037	0.0076	0.0113	0.0001	0.0001	3	0.001	0.0002
%RSD	3.740	6.356	1.995	2.950	0.3686	9.451	0.2318	217.2	22.87
#1	0.0061	0.0576	0.3830	0.3967	0.0221	-0.0006	142.8	0.0000	0.0008
#2	0.0061	0.0632	0.3699	0.3744	0.0221	-0.0005	142.5	0.0001	0.0013
#3	0.0057	0.0560	0.3830	0.3818	0.0222	-0.0006	142.2	0.0000	0.0009
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0010	-0.0011	0.1218	0.0002	0.0180	-0.0001	-0.0022	-0.0002	0.0017
Stddev	0.010	0.0006	0.0010	0.0003	0.0002	0.0000	0.0002	0.0001	0.0001
%RSD	99.93	52.65	0.7960	114.0	1.168	56.28	9.278	76.14	6.084
#1	0.002	-0.0018	0.1229	-0.0001	0.0181	-0.0001	-0.0024	0.0000	0.0018
#2	0.006	-0.0007	0.1214	0.0004	0.0182	0.0000	-0.0020	-0.0003	0.0016
#3	0.020	-0.0009	0.1211	0.0003	0.0178	-0.0001	-0.0022	-0.0002	0.0017
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2375.5	4571.2	3598.3	3324.2					
Stddev	10.6	24.9	127.	16.2					
%RSD	0.44630	0.54374	0.35256	0.48783					
#1	2369.1	4548.8	3609.4	3305.4					
#2	2369.7	4566.9	3584.4	3333.1					
#3	2387.7	4598.0	3600.9	3333.9					

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Sample Name: MP30042-MB2 Acquired: 2/29/2016 14:58:31 Type: QC
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0008	0.0015	-0.0018	-0.0004	-0.0001	0.0013	-0.0001	-0.0001	-0.0001
Stddev	0.003	0.0092	0.0009	0.0002	0.0001	0.014	0.0000	0.0001	0.0002
%RSD	39.16	607.9	51.69	64.19	55.70	108.5	35.18	59.18	206.4
#1	-0.004	0.0005	-0.0007	-0.0006	0.0000	0.0029	-0.0002	-0.0001	-0.0003
#2	-0.009	-0.0071	-0.0023	-0.0001	-0.0002	0.011	-0.0001	-0.0002	0.0001
#3	-0.010	0.0112	-0.0023						

Sample Name: MP30042-MB2 Acquired: 2/29/2016 14:58:31 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2422.8	4634.9	37035.	3399.5
Stddev	3.6	5.9	147.	10.1
%RSD	.14666	.12650	.39632	.29766
#1	2420.2	4638.4	37201.	3405.0
#2	2426.8	4638.2	36921.	3405.6
#3	2421.3	4628.1	36985.	3387.8

Sample Name: CCV Acquired: 2/29/2016 15:03:02 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	2541	41.99	2.057	2.126	2.055	40.31	2.102	2.143	2.044
Stddev	.008	.10	.004	.009	.006	.21	.004	.002	.009
%RSD	.3187	.2406	.1728	.4297	.3037	.5217	.1689	.1053	.4399
#1	.2532	42.04	2.055	2.127	2.058	40.53	2.098	2.140	2.050
#2	.2544	42.06	2.056	2.135	2.059	40.29	2.102	2.143	2.048
#3	.2548	41.87	2.061	2.116	2.048	40.11	2.105	2.144	2.034

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	2.068	41.69	40.58	40.07	2.027	2.124	40.82	2.083	1.985
Stddev	.008	.09	.15	.17	.009	.004	.12	.003	.002
%RSD	.3948	.2263	.3684	.4331	.4685	.1707	.3018	.1457	.1172
#1	2.059	41.73	40.68	40.25	2.030	2.122	40.82	2.080	1.987
#2	2.075	41.75	40.65	40.06	2.033	2.122	40.95	2.083	1.983
#3	2.069	41.58	40.41	39.90	2.016	2.129	40.70	2.086	1.985

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	2.069	2.102	1.735	2.032	2.029	2.015	2.002	1.972	2.039
Stddev	.001	.001	.001	.002	.007	.006	.006	.004	.005
%RSD	.0487	.0656	.0439	.1068	.3462	.2852	.3094	.2126	.2389
#1	2.068	2.101	1.735	2.029	2.031	2.014	2.009	1.975	2.034
#2	2.070	2.102	1.735	2.032	2.035	2.021	2.001	1.973	2.042
#3	2.068	2.104	1.736	2.033	2.022	2.010	1.997	1.967	2.042

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

7.1
7

Sample Name: CCV Acquired: 2/29/2016 15:03:02 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2297.8	4664.6	37254.	3388.6
Stddev	2.3	8.5	238.	16.8
%RSD	.10019	.18223	.63943	.49467
#1	2295.6	4669.8	36986.	3372.0
#2	2300.1	4669.2	37334.	3388.2
#3	2297.6	4654.8	37442.	3405.6

Sample Name: CCB Acquired: 2/29/2016 15:07:13 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.005	0.088	0.000	-0.003	0.002	0.014	0.000	0.001	0.001
Stddev	.002	.0047	.0005	.004	.001	.0049	.0000	.0001	.002
%RSD	41.52	52.93	3596.	116.5	48.30	358.7	89.66	63.56	325.9
#1	-0.003	.0142	.0000	-0.006	.0003	.0016	.0001	.0001	.0001
#2	-0.004	.0066	.0005	-0.005	.0002	.0062	.0000	.0000	.0003
#3	-0.007	.0057	-0.005	.0001	.0001	-0.036	.0000	.0001	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-0.003	0.122	0.083	0.049	0.001	0.007	0.471	0.000	0.000
Stddev	.003	.0030	.0167	.0089	.0000	.0001	.0085	.000	.000
%RSD	97.38	24.92	200.0	183.2	62.34	18.25	17.96	1053.	394.1
#1	-0.005	.0157	-0.071	.0095	.0001	.0008	.0539	-0.001	-0.001
#2	-0.003	.0103	.0260	.0105	.0000	.0008	.0376	.0002	.0002
#3	.0000	.0105	.0062	-0.054	.0000	.0006	.0497	-0.002	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	0.006	-0.013	0.016	0.003	0.001	0.009	0.002	0.001	-0.002
Stddev	.0004	.0008	.0004	.0001	.0001	.0001	.0001	.0001	.0001
%RSD	61.35	64.24	25.49	49.68	74.72	12.45	58.42	75.04	56.09
#1	.0010	-0.007	.0013	.0001	.0000	.0010	.0003	.0002	-0.001
#2	.0004	-0.022	.0020	.0004	.0001	.0009	.0001	.0001	-0.001
#3	.0004	-0.009	.0013	.0003	.0000	.0008	.0001	.0000	-0.003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 2/29/2016 15:07:13 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2696.4	4826.7	3897.4	3467.6
Stddev	10.2	14.4	176.	21.9
%RSD	.37689	.29924	.45150	.63141

#1	2687.0	4810.4	3880.4	3480.7
#2	2695.0	4832.0	3896.1	3479.9
#3	2707.2	4837.7	3915.5	3442.3

Sample Name: MP30042-B2 Acquired: 2/29/2016 15:11:46 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0498	30.22	2.138	2.234	.0552	26.86	.0547	.5511	.2156
Stddev	.0003	.07	.008	.014	.0002	.14	.0001	.0003	.0011
%RSD	.6136	.2341	.3799	.6290	.2982	.5319	.1422	.0615	.5028

#1	.0501	30.30	2.147	2.248	.0554	27.02	.0546	.5513	.2150
#2	.0495	30.17	2.138	2.220	.0553	26.82	.0548	.5513	.2168
#3	.0498	30.20	2.130	2.235	.0551	26.74	.0547	.5507	.2149

Check ? Value Range
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.2763	29.25	27.36	26.85	.5401	.5612	F 170.3	.5426	.5052
Stddev	.0012	.11	.09	.13	.0016	.0005	2.7	.0018	.0015
%RSD	.4204	.3922	.3423	.4864	.2950	.0919	1.589	.3398	.3046

#1	.2776	29.38	27.38	27.00	.5418	.5609	167.2	.5447	.5062
#2	.2754	29.18	27.44	26.82	.5386	.5618	171.7	.5413	.5034
#3	.2760	29.19	27.25	26.74	.5398	.5609	172.0	.5418	.5060

Check ? Value Range
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 25.00
 20.00%

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.5361	2.203	.0187	.5384	.5307	.5387	1.986	.4929	.5394
Stddev	.0022	.006	.0002	.0020	.0017	.0022	.007	.0016	.0009
%RSD	.4050	.2842	.9803	.3732	.3118	.4169	.3321	.3275	.1594

#1	.5383	2.210	.0186	.5407	.5319	.5413	1.990	.4939	.5403
#2	.5340	2.202	.0185	.5376	.5313	.5372	1.979	.4910	.5386
#3	.5359	2.197	.0189	.5369	.5288	.5377	1.990	.4937	.5393

Check ? Value Range
 Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass

7.1
7

Sample Name: MP30042-B2 Acquired: 2/29/2016 15:11:46 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2269.0	4569.0	3623.4	3388.7
Stddev	10.1	10.5	147.	18.9
%RSD	.44677	.22876	.40652	.55782

#1	2261.8	4559.2	3610.1	3367.5
#2	2280.6	4580.0	3639.3	3394.9
#3	2264.5	4567.8	3620.8	3403.7

Sample Name: MP30042-MB3 Acquired: 2/29/2016 15:16:09 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-.0004	.0075	-.0021	-.0004	.0000	-.0007	-.0001	-.0002	.0000
Stddev	.0001	.0044	.0007	.0002	.000	.0011	.0000	.0000	.0001
%RSD	33.96	58.39	34.76	64.35	102.4	172.0	29.13	6.550	117.4

#1	-.0005	.0126	-.0015	-.0001	.0000	-.0002	-.0001	-.0001	-.0001
#2	-.0003	.0045	-.0029	-.0006	.0000	-.0020	-.0001	-.0002	.0000
#3	-.0004	.0055	-.0018	-.0003	-.0001	.0002	-.0001	-.0001	.0001

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-.0001	.0034	.0805	.0163	-.0001	-.0001	F 154.3	-.0001	.0002
Stddev	.0001	.0057	.0206	.0349	.0000	.0001	2.0	.0001	.0004
%RSD	224.8	168.8	25.58	213.4	26.73	145.7	1.274	71.66	194.7

#1	-.0001	.0096	.1016	.0109	-.0001	-.0002	153.0	-.0001	-.0002
#2	.0001	.0022	.0794	.0536	-.0001	.0001	153.5	.0000	.0003
#3	-.0002	-.0016	.0605	-.0155	-.0001	-.0002	156.6	-.0001	.0006

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 2.500
 -2.500

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0003	-.0005	.0076	.0006	.0000	-.0002	-.0008	-.0001	-.0003
Stddev	.0007	.0023	.0001	.0002	.000	.0001	.0002	.0002	.0001
%RSD	224.1	439.1	1.859	41.75	86.69	46.59	18.29	331.8	23.26

#1	.0009	.0018	.0077	.0006	-.0001	-.0001	-.0009	.0002	-.0003
#2	.0006	-.0006	.0076	.0003	-.0001	-.0002	-.0007	-.0002	-.0002
#3	-.0005	-.0027	.0074	.0007	.0000	-.0002	-.0009	-.0002	-.0003

Check ? High Limit Low Limit
 Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: MP30042-MB3 Acquired: 2/29/2016 15:16:09 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2398.1	4585.2	3656.6	3365.5
Stddev	4.3	3.4	137.	14.4
%RSD	.18069	.07333	.37357	.42868
#1	2401.7	4588.9	36603.	3372.7
#2	2393.3	4584.0	36680.	3375.0
#3	2399.4	4582.5	36415.	3348.9

Sample Name: MP30042-B3 Acquired: 2/29/2016 15:20:47 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0515	30.74	2.185	2.291	.0560	27.36	.0556	.5605	.2171
Stddev	.0005	.15	.006	.010	.0003	.07	.0003	.0028	.0005
%RSD	.9648	.5018	.2836	.4319	.5645	.2513	.4565	.4908	.2476
#1	.0513	30.68	2.190	2.295	.0561	27.34	.0558	.5633	.2166
#2	.0521	30.91	2.186	2.299	.0562	27.43	.0556	.5603	.2177
#3	.0512	30.62	2.178	2.280	.0556	27.30	.0553	.5578	.2172

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.2803	29.71	27.76	27.12	.5420	.5713	F 183.8	.5504	.5116
Stddev	.0018	.14	.16	.26	.0009	.0015	1.9	.0026	.0014
%RSD	.6384	.4599	.5762	.9658	.1738	.2675	1.056	.4672	.2787
#1	.2819	29.61	27.69	26.91	.5423	.5729	184.7	.5524	.5122
#2	.2784	29.87	27.94	27.41	.5427	.5713	185.0	.5513	.5126
#3	.2805	29.66	27.65	27.04	.5409	.5698	181.5	.5475	.5100

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 Value Range 25.00 20.00%

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.5467	2.254	.0195	.5468	.5395	.5432	2.008	.5004	.5454
Stddev	.0030	.004	.0004	.0019	.0020	.0009	.007	.0016	.0013
%RSD	.5467	.1947	2.304	.3398	.3770	.1728	.3269	.3166	.2450
#1	.5494	2.258	.0200	.5482	.5409	.5427	2.014	.5000	.5461
#2	.5472	2.250	.0192	.5475	.5404	.5427	2.009	.5021	.5463
#3	.5435	2.254	.0192	.5447	.5372	.5443	2.001	.4990	.5439

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

7.1
7

Sample Name: MP30042-B3 Acquired: 2/29/2016 15:20:47 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2250.1	4525.4	36236.	3357.3
Stddev	6.7	21.6	55.	21.7
%RSD	.29668	.47824	.15202	.64557
#1	2243.2	4503.3	36228.	3364.8
#2	2250.4	4526.5	36185.	3332.9
#3	2256.5	4546.5	36294.	3374.3

Sample Name: MP30043-MB1 Acquired: 2/29/2016 15:25:10 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-.0003	.0041	-.0023	-.0003	.0000	.0136	-.0001	-.0001	.0004
Stddev	.0003	.0079	.0003	.0003	.000	.0031	.0000	.0000	.0002
%RSD	88.37	191.1	10.98	81.67	74.75	22.86	23.76	9.658	50.38
#1	-.0006	.0132	-.0023	.0000	.0000	.0171	-.0001	-.0001	.0004
#2	-.0002	-.0005	-.0026	-.0005	.0000	.0122	-.0001	-.0001	.0005
#3	-.0001	-.0004	-.0021	-.0005	.0000	.0114	-.0002	-.0001	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0001	.0132	.0234	.0159	.0001	-.0002	.0963	-.0002	.0000
Stddev	.0002	.0028	.0299	.0111	.0000	.0001	.0048	.0001	.0004
%RSD	168.1	21.33	127.7	69.85	15.43	54.85	4.985	62.13	5387.
#1	-.0001	.0162	.0529	.0105	.0001	-.0002	.1017	-.0003	.0003
#2	.0003	.0128	-.0070	.0286	.0001	-.0003	.0925	-.0001	.0002
#3	.0001	.0106	.0244	.0085	.0001	-.0001	.0947	-.0001	-.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0019	-.0006	.0089	.0213	-.0001	-.0001	-.0008	.0000	.0001
Stddev	.0005	.0004	.0009	.0004	.0000	.0001	.0001	.000	.0000
%RSD	25.14	74.32	10.11	2.047	38.17	101.9	16.46	111.8	25.52
#1	.0024	-.0010	.0084	.0217	-.0001	-.0002	-.0010	.0000	.0001
#2	.0015	-.0006	.0099	.0208	-.0001	-.0001	-.0007	-.0001	.0001
#3	.0018	-.0001	.0083	.0213	-.0001	.0000	-.0008	.0000	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: MP30043-MB1 Acquired: 2/29/2016 15:25:10 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2742.9	4843.5	39560.	3473.2
Stddev	5.1	10.7	201.	32.5
%RSD	.18727	.22114	.50887	.93450
#1	2742.0	4842.8	39329.	3435.8
#2	2738.2	4833.2	39699.	3493.8
#3	2748.4	4854.6	39651.	3490.0

Sample Name: MP30043-B1 Acquired: 2/29/2016 15:29:42 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0478	29.73	2.008	2.176	.0542	26.57	.0525	.5369	.2087
Stddev	.0003	.02	.004	.003	.0004	.03	.0001	.0007	.0010
%RSD	.5258	.0814	.2054	.1431	.7624	.1185	.2257	.1319	.4732
#1	.0476	29.76	2.011	2.175	.0547	26.54	.0526	.5372	.2076
#2	.0481	29.72	2.004	2.173	.0539	26.61	.0524	.5360	.2092
#3	.0477	29.72	2.011	2.179	.0541	26.57	.0526	.5373	.2093

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.2696	28.85	26.44	26.75	.5264	.5495	26.78	.5281	.4799
Stddev	.0009	.04	.10	.09	.0017	.0012	.02	.0008	.0021
%RSD	.3263	.1266	.3870	.3476	.3304	.2176	.0711	.1508	.4278
#1	.2693	28.82	26.45	26.86	.5244	.5498	26.80	.5289	.4820
#2	.2706	28.85	26.33	26.71	.5273	.5482	26.76	.5280	.4779
#3	.2690	28.89	26.54	26.68	.5274	.5505	26.79	.5273	.4798

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.5089	2.051	.0166	.5466	.5193	.5271	1.931	.4777	.5127
Stddev	.0030	.002	.0002	.0002	.0011	.0012	.007	.0008	.0009
%RSD	.5946	.0922	1.397	.0278	.2179	.2306	.3521	.1679	.1847
#1	.5115	2.052	.0168	.5465	.5200	.5257	1.938	.4770	.5137
#2	.5056	2.052	.0168	.5467	.5180	.5279	1.925	.4786	.5119
#3	.5096	2.048	.0164	.5465	.5199	.5275	1.931	.4777	.5124

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

7.1
7

Sample Name: MP30043-B1 Acquired: 2/29/2016 15:29:42 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2441.6	4757.4	37903.	3366.2
Stddev	4.5	4.0	22.	14.3
%RSD	.18633	.08492	.05712	.42615
#1	2436.3	4756.2	37928.	3364.4
#2	2444.2	4761.9	37887.	3352.8
#3	2444.2	4754.1	37894.	3381.3

Sample Name: FA31659-1 Acquired: 2/29/2016 15:33:56 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0004	287.5	.0455	.1883	.0017	56.20	-.0015	.0096	.2263
Stddev	.0002	.8	.0010	.0003	.0000	.35	.0001	.0001	.0012
%RSD	43.62	.2717	2.148	.1548	2.271	.6312	6.925	1.476	.5114
#1	-.0005	288.3	.0444	.1887	.0017	56.50	-.0017	.0097	.2255
#2	-.0003	286.8	.0460	.1882	.0017	55.81	-.0014	.0095	.2258
#3	-.0003	287.4	.0461	.1882	.0017	56.30	-.0015	.0098	.2277

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0672	165.2	1.362	7.474	.8219	.0089	.2799	.0374	.1165
Stddev	.0004	1.0	.014	.082	.0036	.0002	.0060	.0000	.0013
%RSD	.5761	.5879	.9892	1.092	.4415	1.793	2.138	.0594	1.143
#1	.0676	166.2	1.350	7.545	.8199	.0088	.2738	.0374	.1151
#2	.0674	164.3	1.377	7.385	.8197	.0090	.2857	.0374	.1168
#3	.0668	165.1	1.359	7.491	.8261	.0087	.2802	.0374	.1177

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0011	.0030	.9603	.0191	.0471	1.206	-.0074	.3775	.2851
Stddev	.0013	.0024	.0023	.0003	.0000	.003	.0005	.0011	.0002
%RSD	118.0	77.54	2.409	1.524	.0411	2.372	7.108	.3022	.0792
#1	.0026	.0039	9581	.0191	.0471	1.204	-.0068	.3774	.2852
#2	.0003	.0004	9601	.0193	.0470	1.205	-.0079	.3764	.2853
#3	.0004	.0049	9627	.0188	.0471	1.210	-.0074	.3786	.2849

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2359.1	5569.4	43358.	3923.9
Stddev	2.5	7.8	179.	35.9
%RSD	.10712	.13966	.41182	.91528
#1	2357.4	5563.9	43443.	3882.7
#2	2357.9	5578.3	43478.	3948.6
#3	2362.0	5566.1	43153.	3940.3

Sample Name: MP30043-D1 Acquired: 2/29/2016 15:38:16 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.007	275.6	.0420	.1754	.0014	56.49	-0.014	.0089	.2057
Stddev	.0004	1.4	.0009	.0009	.0000	.38	.0001	.0001	.0004
%RSD	48.86	.5073	2.085	.5090	3.182	.6726	9.250	1.054	.2104
#1	-.0003	276.5	.0412	.1761	.0015	56.61	-.0013	.0088	.2059
#2	-.0008	276.4	.0430	.1757	.0014	56.80	-.0016	.0090	.2061
#3	-.0011	274.0	.0419	.1744	.0014	56.07	-.0014	.0089	.2052
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0641	155.7	1.150	11.88	.6823	.0083	.1947	.0365	.0980
Stddev	.0003	.9	.038	.06	.0018	.0003	.0076	.0002	.0003
%RSD	.5104	.5619	3.304	.4654	.2567	4.013	3.929	.6442	.2793
#1	.0640	156.0	1.122	11.88	.6825	.0079	.2034	.0368	.0980
#2	.0638	156.4	1.194	11.94	.6839	.0085	.1890	.0363	.0978
#3	.0644	154.7	1.136	11.83	.6804	.0084	.1917	.0364	.0983
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.002	.0017	1.036	.0186	.0561	1.145	-0.067	.3547	.2472
Stddev	.0025	.0017	.003	.0004	.0005	.004	.0004	.0009	.0001
%RSD	1307.	99.48	.2636	2.115	.9148	.3210	5.368	.2660	.0353
#1	-.0030	.0035	1.040	.0187	.0564	1.147	-.0067	.3548	.2473
#2	.0009	.0001	1.035	.0181	.0564	1.147	-.0063	.3556	.2472
#3	.0016	.0015	1.035	.0189	.0555	1.141	-.0071	.3537	.2472
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2368.9	5446.0	42792.	3908.2					
Stddev	5.9	14.3	227.	34.5					
%RSD	.25076	.26278	.53051	.88180					
#1	2363.5	5436.3	42753.	3885.8					
#2	2367.9	5439.3	42587.	3890.9					
#3	2375.2	5462.5	43036.	3947.9					

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Sample Name: MP30043-SD1 Acquired: 2/29/2016 15:42:35 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.023	339.4	.0457	.2239	.0019	67.01	-0.025	.0122	.2732
Stddev	.0021	1.2	.0008	.0032	.0002	.16	.0004	.0001	.0007
%RSD	90.65	.3429	1.781	1.431	9.004	.2315	17.81	.7632	.2661
#1	-.0002	338.7	.0448	.2203	.0019	66.84	-.0021	.0122	.2725
#2	-.0024	340.7	.0460	.2251	.0017	67.05	-.0023	.0122	.2739
#3	-.0044	338.7	.0464	.2263	.0020	67.14	-.0030	.0123	.2732
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0808	203.1	1.944	8.812	.9959	.0076	.9682	.0448	.1181
Stddev	.0006	.6	.049	.043	.0010	.0005	.0584	.0008	.0017
%RSD	.6857	.2905	2.541	.4863	.1042	6.657	6.033	1.880	1.412
#1	.0802	202.4	1.905	8.858	.9960	.0079	.9560	.0458	.1197
#2	.0812	203.5	1.999	8.804	.9948	.0079	.9168	.0443	.1164
#3	.0811	203.2	1.927	8.774	.9968	.0070	1.032	.0443	.1184
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.019	-0.006	1.179	.0233	.0555	1.444	-0.094	.4499	.3974
Stddev	.0027	.0127	.005	.0009	.0006	.001	.0011	.0012	.0016
%RSD	144.0	2209.	.3882	4.002	1.166	.0746	11.53	.2747	.4015
#1	.0008	.0131	1.174	.0244	.0551	1.445	-.0086	.4511	.3961
#2	-.0046	-.0030	1.180	.0226	.0563	1.444	-.0107	.4500	.3970
#3	-.0019	-.0118	1.183	.0229	.0551	1.443	-.0090	.4486	.3992
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2536.3	5017.4	39917.	3542.5					
Stddev	6.3	4.7	76.	14.1					
%RSD	.24841	.09312	.19053	.39845					
#1	2538.5	5022.8	39915.	3557.0					
#2	2541.1	5014.9	39994.	3528.8					
#3	2529.1	5014.5	39842.	3541.8					

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Sample Name: MP30043-PS1 Acquired: 2/29/2016 15:46:58 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0412	284.3	1.281	.4139	.0459	59.02	.0400	.0518	.2615
Stddev	.0002	.6	.0017	.0006	.0001	.15	.0000	.0001	.0010
%RSD	.3720	.1979	1.350	.1449	.1709	.2517	.1092	.2189	.3890
#1	.0413	284.8	1.279	.4146	.0460	59.19	.0400	.0517	.2622
#2	.0413	283.7	1.300	.4134	.0458	58.95	.0399	.0518	.2620
#3	.0410	284.2	1.265	.4138	.0458	58.91	.0400	.0519	.2603
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1586	164.2	9.792	11.43	.8354	.0929	8.955	.1174	.1569
Stddev	.0010	.4	.019	.05	.0071	.0002	.025	.0003	.0009
%RSD	.6373	.2178	.1911	.4341	.8461	.1783	2.751	.2286	.5637
#1	.1580	164.6	9.814	11.46	.8375	.0928	8.973	.1171	.1568
#2	.1598	163.9	9.778	11.46	.8412	.0929	8.927	.1176	.1578
#3	.1581	164.1	9.785	11.37	.8275	.0931	8.964	.1175	.1560
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0855	.0831	.9444	.0565	.0872	1.250	.0821	.4027	.4849
Stddev	.0007	.0026	.0019	.0002	.0003	.007	.0023	.0019	.0007
%RSD	.7687	3.126	.1970	.2988	.3413	.5959	2.829	.4743	.1405
#1	.0854	.0803	.9460	.0566	.0875	1.252	.0841	.4040	.4848
#2	.0861	.0854	.9424	.0563	.0871	1.257	.0826	.4036	.4856
#3	.0848	.0837	.9449	.0565	.0870	1.242	.0796	.4005	.4843
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2364.7	5574.4	43665.	3899.8					
Stddev	7.1	7.7	260.	14.2					
%RSD	.30178	.13752	.59566	.36467					
#1	2357.6	5568.3	43438.	3884.5					
#2	2364.6	5583.0	43609.	3902.4					
#3	2371.9	5571.9	43949.	3912.6					

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Sample Name: MP30043-S1 Acquired: 2/29/2016 15:51:15 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0422	300.2	1.686	2.090	.0483	48.56	.0417	.4479	.3680
Stddev	.0004	1.8	.002	.010	.0003	.22	.0002	.0008	.0010
%RSD	.9450	.5855	.1298	.4674	.5234	.4603	.4402	.1696	.2724
#1	.0419	299.8	1.688	2.093	.0481	48.54	.0418	.4487	.3669
#2	.0421	302.1	1.686	2.098	.0485	48.78	.0415	.4479	.3689
#3	.0427	298.7	1.683	2.079	.0482	48.34	.0418	.4472	.3683
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3057	171.6	24.23	25.67	.9999	.4142	23.74	.4660	.5621
Stddev	.0008	1.0	.13	.13	.0013	.0009	.12	.0002	.0010
%RSD	.2504	.5623	.5559	.5130	.1306				

Sample Name: CCV Acquired: 2/29/2016 15:55:27 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2583	42.63	2.103	2.175	2.082	40.91	2.156	F 2.207	2.076
Stddev	.0011	.12	.005	.008	.004	.03	.001	.001	.002
%RSD	.4315	.2780	.2427	.3498	.2136	.0745	.0646	.0231	.0861
#1	.2595	42.72	2.102	2.182	2.085	40.88	2.156	2.208	2.074
#2	.2573	42.66	2.098	2.176	2.085	40.90	2.157	2.207	2.075
#3	.2580	42.49	2.108	2.167	2.077	40.94	2.154	2.207	2.078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value								2.000	
Range								10.00%	

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.107	42.26	41.28	40.42	2.040	2.185	41.55	2.131	2.018
Stddev	.007	.11	.14	.07	.002	.001	.06	.001	.005
%RSD	.3147	.2491	.3282	.1783	.1078	.0568	.1552	.0289	.2615
#1	2.114	42.38	41.44	40.34	2.038	2.184	41.63	2.131	2.016
#2	2.102	42.24	41.20	40.43	2.040	2.184	41.52	2.130	2.013
#3	2.103	42.17	41.21	40.48	2.043	2.186	41.51	2.132	2.023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.120	2.157	1.774	2.072	2.050	2.033	2.033	1.994	2.084
Stddev	.006	.004	.004	.001	.006	.001	.008	.003	.002
%RSD	.2725	.1806	.2519	.0557	.2803	.0672	.3925	.1428	.0998
#1	2.114	2.153	1.769	2.072	2.056	2.034	2.029	1.995	2.084
#2	2.126	2.161	1.775	2.071	2.049	2.032	2.028	1.991	2.086
#3	2.119	2.157	1.777	2.073	2.044	2.032	2.042	1.997	2.082
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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Sample Name: CCB Acquired: 2/29/2016 15:59:38 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0053	-0.0006	-0.0003	.0002	.0022	.0000	.0001	.0000
Stddev	.000	.0060	.0005	.0003	.0000	.0018	.0000	.0000	.0002
%RSD	1100.	114.5	78.88	102.4	25.68	84.76	81.50	56.55	380.7
#1	-.0001	-.0013	-.0010	-.0001	.0002	.0028	.0001	.0001	.0002
#2	-.0004	.0105	-.0007	-.0007	.0001	.0001	.0000	.0000	.0000
#3	.0004	.0066	-.0001	-.0001	.0002	.0035	.0000	.0000	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0006	.0142	.0146	-0.0025	.0001	.0008	.0266	.0000	.0001
Stddev	.0002	.0032	.0148	.0188	.0000	.0002	.0075	.000	.0003
%RSD	35.89	22.36	101.6	740.7	41.03	23.31	28.18	202.8	224.1
#1	-.0004	.0114	.0057	.0030	.0001	.0010	.0191	.0000	.0003
#2	-.0008	.0177	.0317	.0128	.0001	.0008	.0341	.0000	.0004
#3	-.0007	.0137	.0063	-.0235	.0001	.0006	.0267	.0000	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	-0.0001	.0008	.0004	.0001	.0002	-0.0003	.0001	-0.0002
Stddev	.0002	.0014	.0004	.0002	.0001	.0001	.0007	.0001	.0000
%RSD	33.79	1363.	51.48	48.94	100.3	29.18	241.6	57.10	7.954
#1	.0005	.0015	.0012	.0002	.0003	.0003	-.0008	.0001	-.0001
#2	.0010	-.0011	.0008	.0004	.0001	.0002	.0005	.0002	-.0002
#3	.0006	-.0008	.0004	.0006	.0001	.0002	-.0005	.0001	-.0002
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCV Acquired: 2/29/2016 15:55:27 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2261.8	4557.9	36959.	3347.4
Stddev	5.7	8.3	25.	3.9
%RSD	.25112	.18311	.06656	.11717
#1	2266.3	4563.9	36983.	3344.3
#2	2263.8	4561.3	36960.	3351.9
#3	2255.4	4548.4	36933.	3346.1

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Sample Name: CCB Acquired: 2/29/2016 15:59:38 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2704.2	4798.2	38786.	3331.0
Stddev	1.7	15.4	223.	21.3
%RSD	.06151	.32169	.57548	.63803
#1	2702.3	4796.0	38576.	3341.4
#2	2705.2	4814.6	38761.	3306.5
#3	2705.1	4783.9	39021.	3345.0

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Sample Name: MP30043-S2 Acquired: 2/29/2016 16:04:11 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Aq3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0423	369.0	1.658	2.106	.0487	46.51	.0403	.4427	.5214
Stddev	.0008	.7	.009	.006	.0002	.08	.0002	.0013	.0016
%RSD	1.962	.1894	.5669	.2795	.4995	.1793	.4812	.2886	.3031
#1	.0432	368.3	1.669	2.100	.0484	46.42	.0405	.4442	.5198
#2	.0416	369.0	1.653	2.108	.0489	46.55	.0403	.4419	.5213
#3	.0422	369.7	1.653	2.111	.0487	46.58	.0401	.4421	.5230
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3222	222.8	24.29	26.22	1.177	.4051	23.52	.4662	.5678
Stddev	.0004	.2	.08	.09	.004	.0014	.05	.0013	.0008
%RSD	.1145	.0759	.3226	.3372	.3438	.3389	.2050	.2895	.1453
#1	.3218	222.7	24.22	26.18	1.175	.4066	23.47	.4677	.5684
#2	.3223	222.8	24.29	26.32	1.176	.4049	23.57	.4652	.5682
#3	.3225	223.0	24.37	26.15	1.182	.4038	23.53	.4656	.5669
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1079	1.641	1.315	.4145	.4772	1.532	1.798	.8384	.6417
Stddev	.0016	.006	.005	.0014	.0010	.002	.003	.0015	.0015
%RSD	1.477	.3680	.3543	.3341	.2058	.1560	.1565	.1775	.2391
#1	.1095	1.647	1.321	.4161	.4761	1.533	1.801	.8373	.6435
#2	.1080	1.635	1.313	.4134	.4776	1.529	1.799	.8378	.6409
#3	.1063	1.639	1.312	.4139	.4780	1.534	1.795	.8401	.6407
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2282.1	5429.1	41738.	3777.9					
Stddev	6.8	22.1	110.	6.5					
%RSD	.29771	.40714	.26301	.17086					
#1	2274.3	5403.9	41828.	3781.8					
#2	2285.1	5438.5	41770.	3781.4					
#3	2286.9	5444.9	41616.	3770.4					

Sample Name: CRIA Acquired: 2/29/2016 16:08:25 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Aq3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0089	.2646	.0099	.2229	.0052	1.065	.0056	.0589	.0108
Stddev	.0004	.0014	.0001	.0012	.0002	.003	.0001	.0002	.0003
%RSD	4.388	.5275	.7912	.5533	3.064	.3148	.9372	.4084	2.345
#1	.0087	.2630	.0099	.2215	.0053	1.064	.0056	.0588	.0106
#2	.0088	.2651	.0098	.2238	.0050	1.063	.0057	.0588	.0108
#3	.0094	.2657	.0100	.2235	.0053	1.069	.0056	.0592	.0111
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0271	.3779	10.50	5.209	.0163	.0554	10.66	.0455	.0053
Stddev	.0003	.0043	.02	.018	.0001	.0002	.05	.0001	.0008
%RSD	1.180	1.146	.2275	.3402	.4862	.3321	.4694	.1165	14.23
#1	.0267	.3799	10.47	5.192	.0164	.0553	10.62	.0455	.0054
#2	.0272	.3809	10.52	5.227	.0162	.0554	10.66	.0455	.0060
#3	.0273	.3730	10.50	5.208	.0164	.0556	10.72	.0454	.0045
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0063	.0114	.0450	.0553	.0102	.0102	.0104	.0487	.0220
Stddev	.0005	.0004	.0002	.0003	.0001	.0001	.0007	.0002	.0001
%RSD	7.206	3.116	4.570	.5286	.5934	.9024	7.150	.4548	.5605
#1	.0059	.0111	.0452	.0550	.0102	.0103	.0097	.0484	.0220
#2	.0068	.0113	.0450	.0556	.0102	.0102	.0112	.0487	.0219
#3	.0062	.0118	.0448	.0554	.0103	.0102	.0103	.0489	.0222
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2573.0	4693.3	38245.	3382.6					
Stddev	10.9	17.0	223.	9.5					
%RSD	.42244	.36233	.58263	.28143					
#1	2585.5	4712.9	38085.	3389.8					
#2	2566.3	4684.6	38499.	3371.8					
#3	2567.2	4682.5	38150.	3386.3					

Sample Name: ICSA Acquired: 2/29/2016 16:12:52 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Aq3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.0008	F 530.2	-0.0010	-0.0003	.0000	482.5	-0.0014	-0.0004
Stddev	.0004	2.2	.0010	.0004	.000	3.6	.0002	.0002
%RSD	48.35	4.219	99.82	155.4	27.56	.7456	11.61	44.36
#1	-0.0006	532.5	-0.001	-0.0005	-0.001	480.3	-0.0012	-0.0002
#2	-0.0012	530.1	-0.0014	-0.0002	.0000	486.7	-0.0016	-0.0006
#3	-0.0005	528.0	-0.0018	-0.0005	-0.001	480.5	-0.0015	-0.0005
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.0008	.0006	196.6	.0454	F 513.4	-0.0004	-0.0005	.1588
Stddev	.0002	.0002	.3	.0253	1.8	.0001	.0003	.0092
%RSD	31.25	36.31	.1329	55.80	.3494	11.86	51.59	5.796
#1	.0007	.0004	196.5	.0311	512.6	-0.0005	-0.0004	.1482
#2	.0005	.0007	196.4	.0746	512.2	-0.0004	-0.0003	.1634
#3	.0010	.0008	196.9	.0304	515.5	-0.0004	-0.0008	.1648
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.0003	F -.0052	.0037	-0.0002	.0204	.0014	.0001	-0.0002
Stddev	.0000	.0012	.0014	.0057	.0006	.0003	.0001	.0001
%RSD	8.657	22.67	36.93	2868.	3.123	17.43	164.2	85.02
#1	.0003	-.0065	.0036	-0.0028	.0206	.0012	.0002	-0.0002
#2	.0003	-.0043	.0050	-0.0041	.0197	.0017	.0001	.0000
#3	.0004	-.0047	.0023	.0063	.0209	.0015	-0.0001	-0.0002
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	.0016	.0006	-0.0034					
Stddev	.0019	.0002	.0001					
%RSD	114.3	41.20	3.134					
#1	-.0005	.0003	-.0035					
#2	.0024	.0007	-.0033					
#3	.0029	.0008	-.0033					

Sample Name: ICSA Acquired: 2/29/2016 16:12:52 Type: Unk
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1991.6	4164.2	33194.	3145.4
Stddev	3.9	7.9	120.	10.8
%RSD	.19503	.19078	.36112	.34486
#1	1988.8	4157.0	33257.	3156.8
#2	1996.0	4172.7	33270.	3144.1
#3	1990.0	4163.0	33056.	3135.2

Sample Name: ICSAB Acquired: 2/29/2016 16:17:30 Type: Unk
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F 1.098	F 537.5	1.100	.5967	.5685	485.4	1.042	5.408	5.297
Stddev	.004	5.0	.002	.0022	.0015	2.0	.002	.0011	.0024
%RSD	.3374	.9385	.2098	.3625	.2708	.4194	.1855	.1948	.4564
#1	1.101	542.7	1.100	.5953	.5668	487.7	1.044	5.419	5.283
#2	1.094	532.6	1.102	.5956	.5688	484.1	1.041	5.399	5.282
#3	1.097	537.1	1.097	.5991	.5699	484.4	1.040	5.404	5.324
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	F 6121	F 195.8	.0043	F 514.3	.5403	1.025	.1650	1.028	.9948
Stddev	.0013	.2	.0566	.8	.0010	.001	.0012	.003	.0091
%RSD	.2144	.0814	1317.	.1558	.1933	.1264	.7318	.3086	.9110
#1	.6136	195.7	-.0561	514.3	.5410	1.027	.1641	1.031	1.004
#2	.6114	195.7	.0129	513.4	.5391	1.025	.1644	1.027	.9937
#3	.6112	196.0	.0561	515.0	.5408	1.024	.1663	1.025	.9863
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	1.045	1.047	.0780	.9318	1.026	.9945	.9347	4.875	1.025
Stddev	.002	.009	.0009	.0044	.005	.0023	.0067	.0011	.004
%RSD	.1676	.8092	1.138	.4743	.4723	.2272	.7132	.2229	.3935
#1	1.047	1.047	.0781	.9368	1.021	.9966	.9422	4.867	1.029
#2	1.043	1.056	.0788	.9301	1.026	.9921	.9324	4.870	1.025
#3	1.046	1.039	.0770	.9285	1.030	.9948	.9295	4.888	1.021
Int. Std.	ln2306	Y_2243	Y_3600	Y_3710					
Avg	1970.2	4172.1	33019.	3046.2					
Stddev	5.8	3.6	132.	9.5					
%RSD	.29489	.08618	.39850	.31241					
#1	1964.0	4169.9	33011.	3038.9					
#2	1971.1	4170.3	33155.	3057.0					
#3	1975.5	4176.3	32892.	3042.8					

Sample Name: ALSIC Acquired: 2/29/2016 16:22:00 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	F .0080	F -.0002	F -.0039
Stddev	.0014	.0002	.0002
%RSD	16.98	78.92	4.026
#1	.0074	-.0004	-.0040
#2	.0070	-.0001	-.0037
#3	.0095	-.0001	-.0040
Check ?	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	2.000
Range	-10.00%	-10.00%	-10.00%
Int. Std.	ln2306	Y_2243	Y_3600
Units	Cts/S	Cts/S	Cts/S
Avg	2343.2	4845.2	36232.
Stddev	21.9	52.5	88.
%RSD	.93344	1.0830	.24203
#1	2336.6	4821.9	36156.
#2	2367.6	4905.3	36328.
#3	2325.4	4808.4	36211.

Sample Name: ALSIC Acquired: 2/29/2016 16:22:00 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0003	F 531.5	F .0013	F -.0003	F .0001	F .1633	F .0001	F -.0002
Stddev	.0003	8.1	.0014	.0004	.0001	.0068	.0001	.0001
%RSD	119.5	1.532	103.0	148.0	111.8	4.166	123.1	64.06
#1	.0001	535.9	-.0002	-.0007	.0001	.1710	.0002	-.0001
#2	-.0003	522.1	.0018	-.0003	.0001	.1609	.0002	-.0001
#3	-.0005	536.4	.0023	.0002	.0000	.1581	.0000	-.0003
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2500	40.00	2.000	2.000	2.000	40.00	2.000	2.000
Range	-10.00%	10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0005	F .0002	F .0822	F .0138	F .0528	F .0000	F .0000	F .1180
Stddev	.0001	.0001	.0043	.0170	.0177	.000	.002	.0098
%RSD	10.19	91.28	5.239	123.5	33.57	760.9	1334.	8.349
#1	-.0006	.0000	.0872	.0093	.0570	.0000	.0003	.1198
#2	-.0005	.0002	.0791	-.0005	.0681	.0000	-.0001	.1268
#3	-.0005	.0003	.0804	.0326	.0334	.0000	-.0002	.1073
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	40.00	40.00	40.00	2.000	2.000	40.00
Range	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0003	F -.0047	F .0000	F -.0033	.0304	F .0004	F .0001	F .0005
Stddev	.0001	.0035	.0006	.0040	.0005	.0004	.0001	.0001
%RSD	31.51	74.73	282.7	120.7	1.616	87.35	96.33	22.52
#1	-.0003	-.0075	-.0002	.0008	.0307	.0007	.0002	.0005
#2	-.0002	-.0008	.0007	-.0071	.0307	.0000	.0002	.0006
#3	-.0004	-.0059	-.0004	-.0036	.0298	.0006	.0000	.0004
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	2.000	2.000		2.000	2.000	2.000
Range	-10.00%	-10.00%	-10.00%	-10.00%		-10.00%	-10.00%	-10.00%

Sample Name: CASIC Acquired: 2/29/2016 16:26:34 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0006	F .1045	F -.0013	F .0005	F -.0001	F 486.4	F .0001	F .0000
Stddev	.0003	.0079	.0004	.0001	.0000	2.5	.0000	.0000
%RSD	54.26	7.602	31.58	15.53	64.06	5.185	52.66	244.6
#1	-.0006	.1134	-.0009	.0005	-.0001	486.1	.0001	.0000
#2	-.0009	.0981	-.0014	.0005	-.0001	484.0	.0001	.0000
#3	-.0002	.1020	-.0018	.0004	.0000	489.0	.0001	.0000
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2500	40.00	2.000	2.000	2.000	40.00	2.000	2.000
Range	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	10.00%	-10.00%	-10.00%
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0004	F -.0006	F .0282	F .0253	F .0287	F .0002	F -.0001	F .0400
Stddev	.0002	.0001	.0021	.0253	.0056	.0000	.0001	.0122
%RSD	57.57	14.71	7.418	100.0	19.41	12.21	141.2	30.66
#1	-.0003	-.0005	.0299	.0349	.0322	.0002	-.0001	.0470
#2	-.0002	-.0007	.0259	.0444	.0223	.0002	-.0002	.0258
#3	-.0006	-.0006	.0288	-.0034	.0316	.0002	.0000	.0470
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	40.00	40.00	40.00	2.000	2.000	40.00
Range	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0002	F -.0004	F -.0016	F -.0024	.0089	F .0000	F -.0007	F -.0004
Stddev	.0002	.0010	.0012	.0014	.0002	.0003	.0001	.0001
%RSD	60.56	218.4	74.51	61.08	2.852	2053.	8.377	32.22
#1	.0001	.0007	-.0030	-.0007	.0067	.0003	-.0006	-.0006
#2	.0003	-.0009	-.0006	-.0031	.0069	.0000	-.0007	-.0004
#3	.0004	-.0011	-.0013	-.0032	.0070	-.0003	-.0008	-.0003
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	2.000	2.000		2.000	2.000	2.000
Range	-10.00%	-10.00%	-10.00%	-10.00%		-10.00%	-10.00%	-10.00%

7.1
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Sample Name: CASIC Acquired: 2/29/2016 16:26:34 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	F .0018	F -.0002	F -.0014
Stddev	.0015	.0001	.0001
%RSD	86.30	52.87	4.410
#1	.0031	-.0003	-.0013
#2	.0021	-.0001	-.0014
#3	.0001	-.0003	-.0014
Check ?	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	2.000
Range	-10.00%	-10.00%	-10.00%

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2239.4	4390.4	35787.	3263.9
Stddev	5.7	10.7	119.	17.7
%RSD	.25483	.24271	.33202	.54314
#1	2244.0	4382.6	35660.	3278.8
#2	2241.3	4402.6	35895.	3268.6
#3	2233.1	4386.1	35807.	3244.3

Sample Name: FESIC Acquired: 2/29/2016 16:31:15 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0017	F .0007	F -.0025	F -.0012	F -.0001	F .1217	F -.0013	F -.0005
Stddev	.0004	.0026	.0009	.0006	.0001	.0080	.0002	.0001
%RSD	25.40	361.8	35.59	48.18	62.62	6.604	19.57	11.09
#1	-.0020	.0034	-.0017	-.0008	-.0001	.1215	-.0015	-.0006
#2	-.0020	.0004	-.0022	-.0018	.0000	.1299	-.0013	-.0005
#3	-.0012	-.0017	-.0034	-.0009	-.0002	.1138	-.0010	-.0005
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2.000	40.00	2.000	2.000	2.000	40.00	2.000	2.000
Range	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0021	F .0027	F 203.2	F -.0500	F -.0479	F -.0006	F -.0014	F .0377
Stddev	.0001	.0002	1.6	.0257	.0135	.0001	.0001	.0138
%RSD	6.757	7.594	.7970	51.50	28.23	12.43	3.501	36.66
#1	.0021	.0028	204.8	-.0298	-.0383	-.0006	-.0015	.0229
#2	.0019	.0029	203.3	-.0412	-.0634	-.0005	-.0014	.0398
#3	.0022	.0025	201.6	-.0789	-.0421	-.0006	-.0015	.0503
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	40.00	40.00	40.00	2.000	2.000	40.00
Range	-10.00%	-10.00%	10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0000	F -.0041	F .0036	F .0003	.0395	F .0012	F -.0002	F -.0007
Stddev	.0002	.0005	.0008	.0004	.0002	.0003	.0000	.0001
%RSD	10510.	12.12	22.99	123.7	.4823	22.66	20.96	11.13
#1	-.0003	-.0036	.0045	-.0001	.0397	.0013	-.0002	-.0006
#2	.0001	-.0041	.0036	.0007	.0395	.0014	-.0002	-.0008
#3	.0002	-.0046	.0028	.0005	.0393	.0009	-.0001	-.0007
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	2.000	2.000		2.000	2.000	2.000
Range	-10.00%	-10.00%	-10.00%	-10.00%		-10.00%	-10.00%	-10.00%

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Sample Name: FESIC Acquired: 2/29/2016 16:31:15 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	F -.0094	F .0016	F .0030
Stddev	.0008	.0003	.0001
%RSD	8.818	17.66	1.921
#1	-.0101	.0014	.0030
#2	-.0095	.0014	.0030
#3	-.0085	.0019	.0029
Check ?	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	2.000
Range	-10.00%	-10.00%	-10.00%

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2609.2	4611.2	37518.	3260.0
Stddev	7.2	11.6	199.	24.4
%RSD	.27615	.25144	.53022	.74772
#1	2600.9	4598.4	37745.	3232.0
#2	2613.8	4614.3	37376.	3271.3
#3	2612.8	4621.0	37432.	3276.6

Sample Name: MGSIC Acquired: 2/29/2016 16:35:46 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0006	F .0154	F -.0009	F -.0004	F -.0001	F .0832	F .0000	F .0001
Stddev	.0002	.0087	.0003	.0001	.0000	.0036	.0000	.0001
%RSD	38.67	56.59	37.42	31.39	84.77	4.300	146.4	73.02
#1	.0008	.0088	-.0013	-.0006	.0000	.0795	.0000	.0001
#2	.0004	.0121	-.0006	-.0005	-.0001	.0835	.0001	.0002
#3	.0007	.0253	-.0009	-.0003	.0000	.0867	.0000	.0001
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2.000	40.00	2.000	2.000	2.000	40.00	2.000	2.000
Range	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0002	F -.0009	F .0411	F -.0095	F 515.5	F .0003	F -.0008	F .0525
Stddev	.0001	.0002	.0045	.0281	3.0	.0000	.0001	.0030
%RSD	44.37	22.44	10.85	295.8	.5766	16.11	11.60	5.753
#1	-.0001	-.0008	.0431	.0099	512.2	.0002	-.0008	.0530
#2	-.0002	-.0012	.0441	-.0417	518.0	.0002	-.0009	.0552
#3	-.0003	-.0009	.0360	.0033	516.3	.0003	-.0007	.0492
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	40.00	40.00	40.00	2.000	2.000	40.00
Range	-10.00%	-10.00%	-10.00%	-10.00%	10.00%	-10.00%	-10.00%	-10.00%

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0002	F .0008	F .0009	F -.0001	.0005	F .0003	F .0000	F -.0003
Stddev	.0001	.0008	.0002	.0006	.0001	.0002	.0000	.0000
%RSD	87.33	103.5	17.49	465.2	13.05	78.33	3743.	5.865
#1	.0003	-.0001	.0010	-.0008	.0005	.0001	.0000	-.0003
#2	.0001	.0011	.0009	-.0003	.0005	.0005	.0000	-.0003
#3	.0001	.0014	.0007	.0001	.0006	.0003	.0001	-.0003
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	2.000	2.000		2.000	2.000	2.000
Range	-10.00%	-10.00%	-10.00%	-10.00%		-10.00%	-10.00%	-10.00%

Sample Name: MGSIC Acquired: 2/29/2016 16:35:46 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	F -.0001	F -.0007	F .0030
Stddev	.0005	.0001	.0001
%RSD	510.1	12.32	3.097
#1	-0.007	-0.009	.0031
#2	.0003	-0.007	.0029
#3	.0001	-0.007	.0030
Check ?	Chk Fail	Chk Fail	Chk Fail
Value	2.000	2.000	2.000
Range	-10.00%	-10.00%	-10.00%

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2263.0	4429.6	3585.1	3274.0
Stddev	4.9	13.1	81.	35.4
%RSD	.21841	.29510	.22492	1.0804
#1	2262.6	4444.7	3591.0	3311.3
#2	2258.3	4422.3	35884.	3240.9
#3	2268.1	4421.7	35759.	3270.0

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Sample Name: CCV Acquired: 2/29/2016 16:40:17 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2555	42.61	2.075	2.159	2.073	40.40	2.129	2.183	2.043
Stddev	.0008	.08	.006	.008	.004	.03	.004	.006	.010
%RSD	.3007	.1901	.2831	.3845	.1826	.0686	.1692	.2911	.4968
#1	.2561	42.69	2.068	2.168	2.077	40.38	2.125	2.176	2.037
#2	.2557	42.53	2.078	2.151	2.072	40.40	2.132	2.188	2.038
#3	.2547	42.62	2.079	2.158	2.070	40.43	2.130	2.186	2.055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.084	42.12	40.93	40.14	2.012	2.165	41.12	2.102	1.980
Stddev	.009	.06	.11	.15	.010	.009	.11	.003	.002
%RSD	.4289	.1509	.2667	.3803	.4783	.4336	.2751	.1173	.0968
#1	2.091	42.17	40.82	39.96	2.005	2.154	41.21	2.099	1.981
#2	2.088	42.15	40.92	40.20	2.008	2.170	40.99	2.104	1.981
#3	2.074	42.05	41.04	40.25	2.023	2.171	41.16	2.101	1.978
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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Sample Name: CCV Acquired: 2/29/2016 16:40:17 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2285.3	4582.7	37188.	3289.6
Stddev	4.3	18.4	146.	15.8
%RSD	.18989	.40132	.39222	.48097
#1	2286.4	4600.6	37263.	3304.1
#2	2289.1	4583.7	37280.	3292.0
#3	2280.6	4563.9	37019.	3272.7

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Sample Name: CCB Acquired: 2/29/2016 16:44:29 Type: QC
 Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0017	-0.005	-0.003	.0002	.0055	.0000	.0001	.0001
Stddev	.0002	.0024	.0001	.0002	.0001	.0039	.0001	.0001	.0002
%RSD	95.25	144.9	15.65	53.84	28.36	71.39	214.1	62.62	165.0
#1	-0.002	.0045	-0.006	-0.003	.0002	.0048	.0001	.0002	.0003
#2	-0.003	.0002	-0.006	-0.004	.0003	.0096	.0000	.0000	.0001
#3	.0000	.0003	-0.005	-0.001	.0002	.0019	.0000	.0002	-0.001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.008	.0116	-0.203	.0231	.0001	.0010	.0343	.0001	-0.002
Stddev	.0004	.0023	.0422	.0168	.0000	.0004	.0075	.0003	.0003
%RSD	45.96	19.68	207.5	72.51	75.11	42.10	22.02	469.7	123.0
#1	-0.012	.0138	.0274	.0412	.0001	.0014	.0411	.0003	-0.001
#2	-0.005	.0119	-0.359	.0202	.0001	.0009	.0355	.0000	-0.005
#3	-0.007	.0092	-0.525	.0080	.0000	.0006	.0262	-0.002	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.001	.0001	.0003	.0001	.0001	-0.009	.0001	-0.002
Stddev	.0012	.0018	.0005	.0001	.0000	.0001	.0008	.0001	.0000
%RSD	191.0	171.3	678.5	32.51	17.86	77.27	81.29	111.8	20.11
#1	-0.013	.0019	-0.005	.0004	.0001	.0002	-0.001	.0001	-0.002
#2	.0010	-0.016	.0005	.0002	.0001	.0001	-0.017	.0003	-0.002
#3	.0001	-0.006	.0002	.0002	.0002	.0000	-0.010	.0000	-0.001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 2/29/2016 16:44:29 Type: QC
Method: 60102007_042011(v888) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2721.5	4791.6	38714.	3279.0
Stddev	3.6	5.9	287.	22.4
%RSD	.13100	.12297	.74110	.68264
#1	2721.5	4785.0	38425.	3253.4
#2	2718.0	4793.1	38719.	3288.8
#3	2725.1	4796.5	38999.	3294.8

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000010	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000078	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000003	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000100	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000001	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000015	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000127	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000003	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000041	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000187	0.000000	No
			Fe	0.000044	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000019	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	-0.000058	0.000000	No
			Ca	0.000002	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000029	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	0.000049	0.000000	No
			Al	-0.000020	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000006	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.000163	0.611410	0.000000	1.000000
Al 396.152 { 85}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.000739	0.216220	0.000000	1.000000
As 189.042 {478}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.000628	0.202305	0.000000	1.000000
Ba 455.403 { 74}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.006091	8.635491	0.000000	1.000000
Be 313.042 {108}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.000486	12.236808	0.000000	1.000000
Ca 317.933 {106}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.003092	0.277165	0.000000	1.000000
Cd 226.502 {449}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.001176	5.035032	0.000000	1.000000
Co 228.616 {447}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.000708	2.681318	0.000000	1.000000
Cr 267.716 {126}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.000141	0.576483	0.000000	1.000000
Cu 324.754 {104}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.007161	0.923758	0.000000	1.000000
Fe 259.940 {130}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.002030	0.185435	0.000000	1.000000
In 230.606 {446}*	2/29/2016 10:58:12	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.003185	0.111070	0.000000	1.000000
Mg 279.079 {121}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.000384	0.027894	0.000000	1.000000
Mn 257.610 {131}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.000885	3.246764	0.000000	1.000000
Mo 202.030 {467}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.001386	1.169087	0.000000	1.000000
Na 589.592 { 57}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.017810	0.436573	0.000000	1.000000
Ni 231.604 {445}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.000165	1.679235	0.000000	1.000000
Pb 220.353 {453}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.000338	0.920125	0.000000	1.000000
Sb 206.833 {463}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.000649	0.281114	0.000000	1.000000
Se 196.090 {472}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.000683	0.142401	0.000000	1.000000
Si 212.412 {459}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.007650	0.477119	0.000000	1.000000
Sn 189.989 {477}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.000245	0.419534	0.000000	1.000000
Sr 407.771 { 83}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.002307	17.162483	0.000000	1.000000
Ti 334.941 {101}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.002487	2.262276	0.000000	1.000000
Tl 190.856 {477}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.001135	0.319630	0.000000	1.000000
V 292.402 {115}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	-0.000779	0.809325	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	2/29/2016 10:58:12	2/29/2016 10:28:41	Linear	1/Conc	0.001483	2.715607	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999954	0.000056	0.000365	0.001217	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999738	0.007996	0.009129	0.030432	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999936	0.000184	0.000744	0.002479	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999947	0.007132	0.000289	0.000962	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999913	0.013005	0.000066	0.000221	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999818	0.008523	0.003352	0.011172	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999897	0.005844	0.000047	0.000156	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999924	0.002662	0.000098	0.000327	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999738	0.001063	0.000245	0.000815	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999981	0.000459	0.000226	0.000755	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999075	0.012858	0.002612	0.008706	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999676	0.004558	0.031351	0.104505	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999800	0.000900	0.022136	0.073786	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999394	0.009109	0.000039	0.000129	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999985	0.000518	0.000131	0.000438	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999702	0.017163	0.008287	0.027623	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999902	0.001895	0.000159	0.000530	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999876	0.001170	0.000543	0.001811	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999978	0.000148	0.000866	0.002887	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999969	0.000090	0.001565	0.005216	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.991248	0.005118	0.000351	0.001169	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999884	0.000515	0.000304	0.001013	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999954	0.013235	0.000092	0.000306	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999682	0.004595	0.000095	0.000316	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999973	0.000189	0.000898	0.002992	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999943	0.000686	0.000222	0.000740	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999850	0.003789	0.000065	0.000218	OK	1.000000	0.000000	1	0

Sample Name: Blank Acquired: 4/5/2016 9:13:44 Type: Cal
Method: 60102007_042011(v44) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	.0001	.0004	-0.0007	.0026	.0003	.0023	-0.011	-0.0005	.0000	
Stddev	.0002	.0014	.0002	.0028	.0004	.0009	.0003	.0002	.000	
%RSD	264.8	389.4	28.27	108.0	114.8	39.17	24.56	32.93	94.99	
#1	.0003	.0018	-0.0006	.0047	.0002	.0033	-.0014	-.0007	.0000	
#2	-0.0002	-0.0010	-0.0009	.0035	.0008	.0018	-.0009	-.0005	-0.0001	
#3	.0001	.0003	-0.0005	-0.0006	.0000	.0017	-.0009	-.0004	.0000	
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	.0058	.0022	.0016	-0.0005	.0006	.0021	-0.0115	-0.0001	.0000	
Stddev	.0002	.0002	.0041	.0002	.0001	.0002	.0008	.0002	.000	
%RSD	3.129	10.33	246.4	44.15	12.94	9.065	6.625	442.5	2832.	
#1	.0058	.0024	.0004	-.0003	.0005	.0023	-.0123	-.0003	.0002	
#2	.0060	.0022	.0062	-.0008	.0006	.0020	-.0108	-.0002	-.0003	
#3	.0056	.0020	-.0016	-.0005	.0006	.0020	-.0114	-.0001	.0001	
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	.0008	-0.0007	.0040	-0.0006	-0.0007	.0034	-0.0019	-0.0008	.0017	
Stddev	.0004	.0001	.0001	.0001	.0004	.0002	.0002	.0000	.0001	
%RSD	51.73	17.04	2.285	18.79	49.20	6.553	10.36	4.626	6.091	
#1	.0011	-.0006	.0041	.0007	-.0005	.0036	-.0020	-.0008	.0016	
#2	.0003	-.0007	.0040	.0006	-.0006	.0033	-.0017	-.0007	.0018	
#3	.0009	-.0008	.0039	.0005	-.0012	.0032	-.0019	-.0008	.0016	
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Units	Cts/S	Cts/S	Cts/S	Cts/S						
Avg	2716.2	5246.8	4167.4	4326.5						
Stddev	6.2	11.0	144.	35.8						
%RSD	.22642	.21032	.34622	.82855						
#1	2723.1	5255.8	41722.	4285.5						
#2	2711.2	5234.5	41789.	4351.9						
#3	2714.3	5250.2	41512.	4342.0						

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Sample Name: LowStd Acquired: 4/5/2016 9:17:58 Type: Cal
Method: 60102007_042011(v44) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	.0341	2.253	.0928	4.210	5.372	2.730	2.632	1.368	.2917	
Stddev	.0004	.004	.0003	.005	.024	.019	.005	.002	.0006	
%RSD	1.273	.1908	.3100	.1091	.4426	.6979	.2035	.1542	.2166	
#1	.0340	2.254	.0929	4.205	5.382	2.746	2.630	1.369	.2920	
#2	.0346	2.249	.0926	4.213	5.345	2.709	2.627	1.366	.2922	
#3	.0338	2.257	.0931	4.212	5.389	2.736	2.638	1.370	.2910	
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	.4369	1.845	1.045	.2687	1.629	.5595	4.220	.8637	.4429	
Stddev	.0006	.008	.006	.0034	.002	.0011	.011	.0015	.0004	
%RSD	.1328	.4135	.5789	1.251	.0998	.2050	.2689	.1792	.0796	
#1	.4375	1.848	1.048	.2714	1.631	.5601	4.228	.8644	.4431	
#2	.4369	1.837	1.038	.2649	1.627	.5582	4.207	.8619	.4424	
#3	.4364	1.851	1.048	.2697	1.630	.5603	4.225	.8646	.4430	
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	.1276	.0641	.2067	.2047	8.447	1.107	.1492	.3838	1.386	
Stddev	.0003	.0003	.0006	.0003	.020	.002	.0009	.0003	.003	
%RSD	.2083	.4677	.2840	.1407	.2356	.1385	.5878	.0830	.2105	
#1	.1274	.0638	.2072	.2045	8.437	1.106	.1498	.3840	1.385	
#2	.1274	.0644	.2060	.2045	8.434	1.107	.1496	.3835	1.383	
#3	.1279	.0642	.2068	.2050	8.470	1.109	.1482	.3841	1.389	
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Units	Cts/S	Cts/S	Cts/S	Cts/S						
Avg	2592.3	5180.2	41223.	4320.4						
Stddev	1.0	9.2	113.	54.0						
%RSD	.03677	.17671	.27397	1.2506						
#1	2592.3	5177.3	41103.	4258.8						
#2	2591.3	5190.4	41239.	4359.5						
#3	2593.3	5172.8	41327.	4343.0						

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Sample Name: MidStd Acquired: 4/5/2016 9:21:39 Type: Cal
Method: 60102007_042011(v44) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	.1442	8.658	3.900	17.53	21.99	10.40	10.66	5.541	1.172	
Stddev	.0005	.016	.0009	.06	.07	.03	.03	.012	.001	
%RSD	.3391	.1886	.2313	.3326	.3321	.2539	.2584	.2204	.0412	
#1	.1448	8.676	3.901	17.60	22.07	10.42	10.69	5.552	1.172	
#2	.1441	8.645	3.890	17.50	21.92	10.37	10.63	5.528	1.172	
#3	.1438	8.652	3.908	17.50	21.98	10.41	10.66	5.544	1.172	
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	1.766	6.651	4.025	1.026	6.432	2.269	16.27	3.483	1.864	
Stddev	.006	.014	.010	.004	.017	.003	.01	.011	.002	
%RSD	.3223	.2155	.2449	.4365	.2561	.1460	.0629	.3277	.1048	
#1	1.772	6.667	4.036	1.031	6.437	2.272	16.28	3.492	1.866	
#2	1.765	6.639	4.022	1.022	6.413	2.266	16.27	3.470	1.863	
#3	1.761	6.646	4.017	1.024	6.445	2.270	16.27	3.487	1.863	
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062	
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	
Avg	.5305	.2685	.9811	.8198	34.35	4.488	6.228	1.553	5.596	
Stddev	.0008	.0013	.0005	.0018	.10	.011	.0016	.004	.020	
%RSD	.1448	.4954	.0521	.2181	.2802	.2348	.2616	.2852	.3635	
#1	.5307	.2700	.9814	.8216	34.46	4.493	6.223	1.554	5.611	
#2	.5296	.2679	.9805	.8181	34.29	4.496	6.246	1.557	5.573	
#3	.5311	.2675	.9813	.8198	34.29	4.476	6.215	1.548	5.604	
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Units	Cts/S	Cts/S	Cts/S	Cts/S						
Avg	2382.4	5002.4	40180.	4295.6						
Stddev	6.3	9.5	52.	8.4						
%RSD	.26455	.18978	.12979	.19581						
#1	2378.0	4991.6	40240.	4304.8						
#2	2379.7	5009.4	40145.	4288.2						
#3	2389.7	5006.2	40155.	4294.0						

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Sample Name: HighStd Acquired: 4/5/2016 9:25:58 Type: Cal
Method: 60102007_042011(v44) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2764	16.96	.7747	34.29	43.12	20.31	20.75	10.83	2.264
Stddev	.0009	.02	.0003	.05	.01	.03	.02	.01	.007
%RSD	.3247	.1099	.0449	.1512	.0200	.1441	.0762	.0560	.3283
#1	.2763	16.95	.7748	34.24	43.13	20.29	20.74	10.82	2.270
#2	.2774	16.98	.7743	34.29	43.11	20.35	20.74	10.82	2.256
#3	.2756	16.95	.7749	34.34	43.12	20.30	20.77	10.83	2.266
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.451	13.22	7.872	2.008	12.49	4.433	31.90	6.801	3.741
Stddev	.004	.01	.017	.010	.04	.005	.05	.005	.001
%RSD	.1154	.0782	.2203	.5185	.2813	.1042	.1654	.0808	.0227
#1	3.456	13.22	7.870	2.004	12.44	4.430	31.84	6.801	3.741
#2	3.450	13.23	7.857	2.020	12.51	4.431	31.94	6.796	3.742
#3	3.448	13.21	7.891	2.000	12.50	4.438	31.92	6.807	3.740
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.054	.5289	1.593	1.591	66.21	8.691	1.236	3.032	10.95
Stddev	.001	.0014	.002	.002	.43	.041	.002	.011	.01
%RSD	.0970	.2665							

Sample Name: HSTD Acquired: 4/5/2016 9:30:39 Type: QC
 Method: 60102007_042011(v44) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4958	79.20	4.010	3.964	3.998	79.07	3.965	3.971	3.962
Stddev	.0041	.20	.011	.009	.014	.21	.008	.008	.024
%RSD	.8240	.2550	.2697	.2371	.3536	.2714	.1952	.2016	.6042

#1	.5005	79.35	4.018	3.971	4.008	79.17	3.964	3.972	3.990
#2	.4941	79.27	4.014	3.968	4.004	79.22	3.973	3.979	3.951
#3	.4929	78.97	3.998	3.954	3.981	78.83	3.957	3.963	3.946

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.971	79.18	79.41	78.74	3.933	3.976	79.51	3.973	4.037
Stddev	.009	.15	.17	.03	.034	.008	.24	.008	.008
%RSD	.2198	.1927	.2191	.0391	.8558	.2075	.3029	.1970	.2045

#1	3.979	79.27	79.50	78.77	3.970	3.981	79.69	3.973	4.045
#2	3.962	79.25	79.52	78.73	3.927	3.981	79.60	3.980	4.038
#3	3.973	79.00	79.21	78.71	3.904	3.967	79.23	3.965	4.028

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.029	3.985	3.741	3.944	3.975	3.953	4.015	3.989	3.959
Stddev	.015	.007	.009	.010	.039	.023	.010	.014	.008
%RSD	.3698	.1711	.2364	.2530	.9844	.5906	.2570	.3618	.1945

#1	4.042	3.989	3.744	3.941	3.953	3.944	4.027	4.004	3.961
#2	4.032	3.987	3.749	3.955	4.020	3.979	4.010	3.976	3.966
#3	4.013	3.977	3.732	3.936	3.951	3.935	4.009	3.988	3.951

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 4/5/2016 9:30:39 Type: QC
 Method: 60102007_042011(v44) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2212.5	4798.6	38968.	4135.9
Stddev	.2	7.3	139.	14.8
%RSD	.01007	.15255	.35759	.35715

#1	2212.6	4804.8	38829.	4148.6
#2	2212.2	4790.5	39108.	4139.5
#3	2212.6	4800.6	38968.	4119.7

Sample Name: ICV Acquired: 4/5/2016 9:38:43 Type: QC
 Method: 60102007_042011(v44) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2441	41.39	1.986	2.047	2.059	42.75	2.030	2.033	2.020
Stddev	.0005	.18	.002	.007	.010	.27	.001	.001	.004
%RSD	.1900	.4403	.1172	.3491	.4891	.6310	.0634	.0601	.2007

#1	.2436	41.58	1.987	2.055	2.070	43.06	2.029	2.033	2.024
#2	.2441	41.22	1.984	2.042	2.050	42.54	2.029	2.031	2.016
#3	.2445	41.37	1.988	2.045	2.057	42.66	2.031	2.034	2.020

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.961	42.10	42.49	42.59	2.052	1.940	42.82	2.043	2.010
Stddev	.003	.25	.22	.44	.005	.002	.23	.001	.006
%RSD	.1489	.5883	.5123	1.044	.2371	.1224	.5433	.0532	.2816

#1	1.981	42.38	42.73	43.08	2.051	1.940	43.08	2.044	2.013
#2	1.978	41.89	42.30	42.22	2.047	1.938	42.64	2.042	2.013
#3	1.984	42.04	42.45	42.47	2.057	1.942	42.73	2.043	2.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.004	2.027	1.327	2.060	1.965	1.973	2.069	1.927	2.051
Stddev	.004	.006	.0013	.002	.006	.001	.005	.005	.002
%RSD	.1878	.3168	.9898	.0877	.3096	.0710	.2624	.2522	.0949

#1	2.002	2.024	.1334	2.058	1.972	1.974	2.063	1.933	2.053
#2	2.002	2.023	.1312	2.060	1.959	1.973	2.070	1.923	2.050
#3	2.008	2.035	.1335	2.062	1.965	1.971	2.073	1.926	2.050

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 4/5/2016 9:38:43 Type: QC
 Method: 60102007_042011(v44) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2367.7	4967.1	39874.	4185.8
Stddev	3.0	9.3	46.	36.6
%RSD	.12491	.18634	.11491	.87388

#1	2371.0	4971.2	39905.	4147.7
#2	2365.5	4973.6	39896.	4220.7
#3	2366.4	4956.5	39822.	4189.0

Sample Name: ICB Acquired: 4/5/2016 9:46:03 Type: QC
 Method: 60102007_042011(v44) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	-0.0056	.0002	-0.001	.0000	-0.0032	.0000	.0000	-0.002
Stddev	.0003	.0121	.0008	.0001	.000	.0013	.000	.0001	.0002
%RSD	88.69	215.0	499.0	184.0	90.32	41.27	862.8	421.1	87.85
#1	-0.003	-0.194	-0.001	.0000	.0000	-0.042	.0001	-0.001	-0.005
#2	-0.001	.0036	.0011	-0.002	.0000	-0.035	.0000	.0001	-0.002
#3	-0.008	-0.011	-0.005	.0000	.0000	-0.017	-0.001	.0000	-0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0054	-0.717	.0106	.0000	-0.006	-0.046	.0000	.0000
Stddev	.0001	.0041	.0338	.0099	.0000	.0001	.0035	.000	.0007
%RSD	165.7	76.49	47.11	93.68	506.3	8.111	74.73	517.5	8264.
#1	-0.001	-0.097	-0.341	.0077	.0000	-0.007	-0.010	.0001	.0005
#2	.0001	-0.015	-0.995	.0024	.0000	-0.006	-0.050	.0000	-0.008
#3	.001	-0.050	-0.814	.0216	.0000	-0.006	-0.079	-0.002	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.012	.0009	-0.003	.0001	-0.004	.0004	.0000	-0.002
Stddev	.0006	.0004	.0005	.0002	.0000	.0001	.0011	.0002	.0000
%RSD	714.1	32.35	48.98	53.39	46.20	13.43	308.3	577.4	21.43
#1	-0.005	-0.017	.0014	-0.001	.0001	-0.004	-0.003	.0002	-0.002
#2	.0001	-0.011	.0005	-0.004	.0001	-0.005	-0.003	-0.001	-0.001
#3	.0007	-0.009	.0009	-0.004	.0000	-0.005	.0017	.0000	-0.002

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Sample Name: ICB Acquired: 4/5/2016 9:46:03 Type: QC
 Method: 60102007_042011(v44) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2744.0	5257.6	41746.	4209.4
Stddev	2.5	4.2	109.	42.7
%RSD	.08965	.07961	.26219	1.0138
#1	2741.2	5262.0	41864.	4222.4
#2	2745.5	5253.7	41647.	4244.0
#3	2745.4	5257.0	41726.	4161.7

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7.2
7

Sample Name: CRIA Acquired: 4/5/2016 9:50:34 Type: QC
 Method: 60102007_042011(v44) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0097	.2248	.0108	.2075	.0054	1.134	.0056	.0554	.0112
Stddev	.0010	.0042	.0004	.0006	.0000	.011	.0001	.0001	.0002
%RSD	9.907	1.887	3.965	.2755	.3635	1.002	.9892	.1075	1.754
#1	.0089	.2224	.0105	.2068	.0054	1.137	.0057	.0555	.0113
#2	.0095	.2223	.0113	.2078	.0054	1.144	.0056	.0553	.0113
#3	.0108	.2297	.0108	.2078	.0054	1.122	.0056	.0554	.0110

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0271	.3229	10.88	5.446	.0177	.0507	10.84	.0455	.0051
Stddev	.0003	.0037	.05	.076	.0001	.0003	.02	.0002	.0005
%RSD	1.132	1.151	.4816	1.405	.7844	.6714	.1835	.4942	9.759
#1	.0274	.3207	10.84	5.494	.0178	.0503	10.87	.0457	.0047
#2	.0268	.3272	10.94	5.485	.0176	.0509	10.83	.0452	.0049
#3	.0272	.3208	10.86	5.357	.0176	.0508	10.83	.0455	.0056

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0047	.0097	.0329	.0545	.0110	.0101	.0113	.0530	F .0250
Stddev	.0005	.0011	.0006	.0002	.0001	.0001	.0006	.0002	.0001
%RSD	10.74	11.12	1.810	.3944	.7616	1.063	5.463	.3069	.3976
#1	.0047	.0085	.0322	.0547	.0110	.0101	.0117	.0532	.0251
#2	.0042	.0103	.0331	.0546	.0109	.0101	.0116	.0529	.0249
#3	.0052	.0103	.0334	.0543	.0110	.0099	.0106	.0530	.0250

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail
 Value Range
 .0200
 20.00%

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Sample Name: CRIA Acquired: 4/5/2016 9:50:34 Type: QC
 Method: 60102007_042011(v44) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2661.9	5199.3	40933.	4169.0
Stddev	5.5	10.2	228.	53.8
%RSD	.20479	.19645	.55754	1.2915
#1	2657.8	5203.7	40671.	4152.3
#2	2668.1	5206.6	41086.	4125.4
#3	2659.7	5187.6	41043.	4229.2

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Sample Name: ICSEA Acquired: 4/5/2016 9:57:00 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	503.6	-0.015	-0.003	-0.001	486.4	0.000	-0.004	0.001
Stddev	.0005	3.5	.0023	.0003	.0001	2.0	.0001	.0001	.0001
%RSD	142.9	.6910	158.4	80.38	39.62	.4073	3554.	14.70	185.3

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.013	184.1	-0.149	513.9	0.000	0.002	1458	-0.003	0.001
Stddev	.0003	.3	.0292	1.3	.000	.0004	.0045	.0003	.0021
%RSD	23.54	.1433	195.4	.2481	23.26	173.7	3.054	80.81	1592.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.000	-0.001	0.716	0.007	0.003	-0.010	0.000	-0.001	-0.030
Stddev	.002	.0050	.0017	.0001	.0001	.0001	.003	.0004	.0003
%RSD	3318.	9688.	2.431	10.93	30.35	7.905	19710.	450.6	11.53

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSEA Acquired: 4/5/2016 9:57:00 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2166.7	4645.5	35926.	3960.8
Stddev	2.6	6.8	105.	6.0
%RSD	.12003	.14680	.29098	.15187

#1 2165.7 4646.6 35995. 3957.2
 #2 2164.7 4638.2 35977. 3957.3
 #3 2169.6 4651.7 35805. 3967.7

Sample Name: ICSAB Acquired: 4/5/2016 10:03:29 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.008	496.5	1.093	4981	4954	480.8	9532	4700	5039
Stddev	.004	11.7	.004	.0009	.0019	2.9	.0016	.0009	.0025
%RSD	.4281	2.347	.3197	.1892	.3817	6.039	.1670	.1940	.5004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5289	181.4	0.107	508.1	5092	9410	1526	9542	9428
Stddev	.0008	.3	.0273	2.5	.0029	.0023	.0056	.0012	.0011
%RSD	.1574	.1566	254.8	.4873	.5701	.2440	3.638	.1222	.1158

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.029	1.018	1.185	9421	1.025	1.018	9554	4735	9644
Stddev	.002	.002	.0008	.0025	.001	.002	.0039	.0019	.0008
%RSD	.2130	.1872	.6403	.2663	.0951	.1726	4.115	.4035	.0854

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 4/5/2016 10:03:29 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2134.8	4606.3	36231.	4004.6
Stddev	4.8	1.3	209.	7.4
%RSD	.22329	.02844	.57698	.18367

#1 2135.2 4607.8 36423. 3998.3
 #2 2139.4 4605.5 36008. 4012.7
 #3 2129.9 4605.6 36260. 4002.9

Sample Name: CCV Acquired: 4/5/2016 10:10:35 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2611	40.57	2.104	2.020	2.075	41.96	2.132	2.103	2.116
Stddev	.0003	.21	.009	.009	.012	.15	.005	.004	.005
%RSD	.1123	.5198	.4114	.4670	.5589	.3618	.2539	.1817	.2219
#1	.2612	40.37	2.098	2.011	2.065	41.88	2.133	2.103	2.111
#2	.2608	40.79	2.100	2.030	2.088	42.13	2.127	2.099	2.120
#3	.2614	40.55	2.114	2.018	2.071	41.86	2.137	2.107	2.119

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.034	40.36	41.66	40.45	2.149	2.097	41.57	2.142	2.084
Stddev	.003	.19	.18	.27	.025	.003	.16	.007	.009
%RSD	.1238	.4647	.4429	.6744	1.187	.1532	.3933	.3080	.4497
#1	2.037	40.20	41.59	40.14	2.120	2.095	41.47	2.139	2.082
#2	2.033	40.56	41.87	40.66	2.166	2.095	41.76	2.137	2.075
#3	2.032	40.31	41.52	40.54	2.162	2.101	41.47	2.149	2.094

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.102	2.080	2.388	2.100	2.113	2.131	2.102	2.137	2.167
Stddev	.008	.008	.005	.004	.011	.003	.002	.006	.008
%RSD	.3804	.3758	.2084	.1710	.5163	.1250	.0822	.2735	.3757
#1	2.096	2.079	2.388	2.097	2.111	2.127	2.103	2.131	2.166
#2	2.099	2.072	2.384	2.099	2.125	2.132	2.101	2.139	2.160
#3	2.111	2.088	2.393	2.104	2.103	2.132	2.104	2.142	2.176

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/5/2016 10:10:35 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2336.9	4833.9	3894.2	4127.3
Stddev	9.3	12.8	123.	23.8
%RSD	.39909	.26531	.31676	.57716
#1	2338.1	4839.6	3908.4	4150.2
#2	2345.6	4842.9	3886.2	4102.7
#3	2327.0	4819.2	3887.9	4128.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 4/5/2016 10:17:38 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	.0030	.0001	.0004	.0003	.0117	.0001	.0001	.0000
Stddev	.0003	.0040	.0005	.001	.0001	.0005	.0000	.0001	.000
%RSD	170.9	133.9	800.9	29.16	36.12	3.913	40.00	215.6	373.1
#1	.0001	.0002	-.0002	.0003	.0004	.0121	.0001	.0002	-.0001
#2	-.0005	.0012	.0006	.0006	.0002	.0118	.0001	.0001	-.0002
#3	-.0002	.0076	-.0002	.0004	.0003	.0112	.0001	-.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0045	-.0308	.0087	.0002	-.0006	.0122	.0001	.0001
Stddev	.0000	.0036	.0277	.0090	.0000	.0001	.0174	.0002	.0004
%RSD	8.598	80.64	89.74	103.4	17.30	19.47	142.8	310.7	405.8
#1	.0005	.0083	-.0624	.0010	.0002	-.0005	.0224	-.0001	-.0002
#2	.0006	.0011	-.0190	.0185	.0002	-.0006	.0221	.0002	.0005
#3	.0005	.0041	-.0111	.0066	.0003	-.0007	-.0079	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0015	.0006	-.0002	.0005	-.0005	.0012	.0004	.0003
Stddev	.0008	.0014	.0004	.0003	.0002	.0000	.0011	.0001	.0001
%RSD	170.8	91.80	62.49	180.5	34.40	3.850	91.65	31.02	43.74
#1	.0006	.0015	.0003	-.0003	.0006	-.0005	.0024	.0003	.0003
#2	.0012	.0028	.0005	.0002	.0005	-.0005	.0005	.0003	.0002
#3	-.0004	.0001	.0010	-.0004	.0003	-.0004	.0006	.0005	.0004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/5/2016 10:17:38 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2699.7	5130.4	4127.7	4293.4
Stddev	.7	.8	77.	34.8
%RSD	.02641	.01615	.18752	.81040
#1	2699.3	5130.5	4131.5	4293.2
#2	2700.5	5131.3	4118.8	4328.3
#3	2699.2	5129.6	4132.8	4258.7

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: FA32760-1 Acquired: 4/5/2016 10:28:13 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 4.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.062	369.4	6.334	1.717	0.256	6.945	0.027	1.267	1.028
Stddev	.0008	3.4	.0039	.016	.0001	.036	.0007	.005	.007
%RSD	13.11	.9134	.6156	.9330	.4452	.5263	27.56	.3903	.6630
#1	-.0059	370.6	.6293	1.719	.0255	6.949	.0020	1.261	1.034
#2	-.0071	371.9	.6370	1.732	.0257	6.979	.0025	1.269	1.021
#3	-.0056	365.6	.6340	1.700	.0255	6.906	.0035	1.270	1.029
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.363	1176.	17.44	16.62	F 21.62	1.972	6.474	1.497	6.744
Stddev	.003	10.	.28	.13	.28	.0014	.0188	.007	.0072
%RSD	.2160	.8648	1.608	.7844	1.311	.7079	2.911	.4377	1.069
#1	1.360	1182.	17.44	16.65	21.79	1.966	6.627	1.490	6.671
#2	1.365	1182.	17.72	16.73	21.29	1.962	6.532	1.502	6.744
#3	1.366	1164.	17.16	16.48	21.77	1.988	6.264	1.499	6.816
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.016	-0.007	5.426	0.257	1.296	0.179	0.170	1.246	1.672
Stddev	.0042	.0061	.020	.0005	.0013	.007	.0019	.005	.006
%RSD	266.0	69.76	.3585	1.792	1.037	5.295	11.00	4.125	3.604
#1	.0063	-.0028	5.404	.0256	1.302	1.289	.0182	1.247	1.668
#2	-.0001	-.0149	5.431	.0253	1.306	1.282	.0179	1.240	1.679
#3	-.0015	-.0084	5.442	.0262	1.281	1.296	.0148	1.250	1.670
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2632.0	5597.5	4440.2	4644.6					
Stddev	14.0	19.4	347.	40.0					
%RSD	.53312	.34631	.78191	.86137					
#1	2645.4	5619.0	44299.	4614.6					
#2	2633.3	5592.3	44790.	4629.3					
#3	2617.4	5581.2	44119.	4690.0					

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Sample Name: FA32724-1 Acquired: 4/5/2016 10:32:38 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0157	180.9	0.315	5.116	0.023	19.69	0.155	0.194	2.292
Stddev	.0011	1.0	.0021	.0032	.0001	.06	.0001	.0002	.0017
%RSD	6.727	.5496	6.672	.6299	6.383	.3065	.7138	1.057	.7609
#1	.0163	180.6	.0293	5.093	.0025	19.68	.0156	.0195	2.298
#2	.0163	180.0	.0319	5.102	.0022	19.63	.0154	.0194	2.305
#3	.0145	182.0	.0334	5.153	.0022	19.75	.0155	.0192	2.272
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.127	113.9	5.931	6.662	1.791	0.056	5.802	0.608	2.788
Stddev	.0004	.6	.018	.027	.005	.0003	.0090	.0003	.0013
%RSD	.3465	.5676	.3073	.4063	.2902	5.970	1.553	.4265	.4705
#1	1.123	113.7	5.951	6.632	1.797	.0053	5.699	.0611	2.802
#2	1.127	113.4	5.915	6.684	1.791	.0056	5.847	.0608	2.786
#3	1.128	114.6	5.928	6.672	1.787	.0059	5.861	.0606	2.776
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.0025	-0.0009	2.649	0.202	0.854	1.061	-0.021	3.715	3.723
Stddev	.0011	.0027	.004	.0003	.0002	.002	.0020	.0016	.0008
%RSD	45.14	307.0	.1586	1.507	.1838	2.059	94.69	4.230	2.018
#1	-.0020	.0018	2.654	.0198	.0854	1.064	-.0002	3.732	3.725
#2	-.0017	-.0008	2.646	.0203	.0853	1.060	-.0041	3.710	3.729
#3	-.0038	-.0036	2.647	.0203	.0856	1.060	-.0019	3.701	3.714
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2650.9	5943.5	4686.0	4954.3					
Stddev	6.4	12.2	226.	33.2					
%RSD	.24050	.20502	.48171	.67095					
#1	2643.7	5931.5	4660.0	4965.2					
#2	2653.6	5943.0	4698.0	4980.8					
#3	2655.5	5955.9	4700.1	4917.0					

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7.2
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Sample Name: FA32724-2 Acquired: 4/5/2016 10:36:56 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 4.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0069	189.8	0.312	6.578	0.025	15.26	0.092	0.210	2.308
Stddev	.0014	1.0	.0034	.0049	.0003	.13	.0002	.0004	.0006
%RSD	20.06	.5370	11.03	.7396	13.08	.8412	1.650	2.006	2.511
#1	.0085	188.8	.0274	6.532	.0021	15.19	.0092	.0215	2.303
#2	.0062	189.9	.0342	6.572	.0025	15.19	.0090	.0207	2.315
#3	.0060	190.8	.0320	6.629	.0028	15.41	.0093	.0208	2.308
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.238	114.9	5.701	6.503	2.494	0.022	4.981	0.673	3.704
Stddev	.0001	.7	.030	.158	.014	.0004	.0090	.0003	.0036
%RSD	.0776	.6421	.5314	2.426	.5446	19.55	1.817	.4384	.9792
#1	1.237	114.2	5.668	6.359	2.480	.0020	5.066	.0670	3.665
#2	1.239	115.0	5.727	6.478	2.508	.0027	4.991	.0674	3.736
#3	1.238	115.6	5.709	6.671	2.495	.0020	4.886	.0676	3.711
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0023	-0.0029	3.789	0.206	0.856	1.130	-0.024	3.934	4.713
Stddev	.0010	.0078	.010	.0011	.0003	.005	.0047	.0008	.0004
%RSD	43.59	263.8	.2736	5.196	.3486	4.464	197.2	2.055	.0804
#1	-.0029	-.0063	3.798	.0195	.0855	1.125	-.0030	3.932	4.713
#2	-.0029	-.0059	3.790	.0207	.0859	1.135	-.0047	3.927	4.710
#3	-.0011	-.0085	3.778	.0216	.0854	1.129	-.0054	3.943	4.718
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2641.7	5615.2	4464.5	4683.4					
Stddev	3.8	2.5	186.	55.5					
%RSD	.14378	.04481	.41681	1.1840					
#1	2640.1	5616.0	44696.	4734.2					
#2	2639.0	5617.2	44438.	4691.7					
#3	2646.0	5612.3	44800.	4624.2					

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Sample Name: FA32724-4 Acquired: 4/5/2016 10:41:15 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0130	155.8	0.276	5.327	0.022	14.46	0.149	0.190	2.050
Stddev	.0013	.3	.0005	.0017	.0000	.08	.0003	.0003	.0006
%RSD	9.724	.2056	1.966	3.118	1.645	.5265	1.813	1.637	3.134
#1	.0138	155.7	.0283	5.344	.0022	14.40	.0152	.0193	2.050
#2	.0137	156.2	.0273	5.311	.0022	14.55	.0146	.0187	2.044
#3	.0115	155.6	.0273	5.326	.0022	14.45	.0149	.0189	2.056
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.343	97.87	6.037	6.174	1.686	0.045	4.572	0.583	4.009
Stddev	.0003	.32	.040	.063	.006	.0004	.0114	.0002	.0024
%RSD	.1993	.							

Sample Name: FA32724-5 Acquired: 4/5/2016 10:45:32 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 4.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0081	169.1	.0388	.5870	.0024	18.16	.0153	.0226	2.114
Stddev	.0014	.8	.0033	.0014	.0001	.04	.0002	.0002	.0027
%RSD	16.88	.4653	8.487	.2349	3.564	.2441	1.544	.7438	1.294
#1	.0071	169.4	.0418	.5862	.0025	18.21	.0150	.0224	2.100
#2	.0075	169.6	.0352	.5886	.0023	18.17	.0153	.0227	2.097
#3	.0096	168.2	.0393	.5861	.0024	18.12	.0155	.0225	2.146
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1533	109.9	5.502	6.434	2.794	.0028	6.809	.0924	3.507
Stddev	.0008	.4	.043	.078	.012	.0005	.0089	.0005	.0010
%RSD	.5505	.3766	.7844	1.211	.4310	16.96	1.304	.5400	.2784
#1	.1531	110.1	5.497	6.522	2.799	.0026	6.836	.0920	3.517
#2	.1526	110.1	5.547	6.405	2.780	.0024	6.710	.0930	3.506
#3	.1543	109.4	5.461	6.375	2.803	.0033	6.881	.0923	3.497
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-.0013	-.0024	2.695	.0233	.0862	-.0033	3.240	-.0024	4.724
Stddev	.0028	.0081	.004	.0010	.0007	.0039	.0067	.0009	.0003
%RSD	217.1	337.4	.1303	4.499	7.573	4.108	207.3	2.697	0.052
#1	-.0035	-.0082	2.692	.0228	.0869	.9412	.0038	3.249	4.722
#2	-.0019	.0069	2.694	.0245	.0860	9.360	-.0096	3.237	4.723
#3	-.0023	-.0059	2.699	.0225	.0856	9.435	-.0040	3.232	4.727
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2654.1	5608.6	4464.7	4606.3					
Stddev	7.8	8.8	73.	28.0					
%RSD	.29295	.15719	.16361	.60680					
#1	2650.2	5617.9	4471.6	4587.1					
#2	2663.0	5607.6	4465.6	4593.4					
#3	2649.0	5600.3	4457.0	4638.4					

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Sample Name: FA32724-6 Acquired: 4/5/2016 10:49:51 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 4.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0053	204.9	.0397	.6326	.0026	18.94	.0081	.0239	2.592
Stddev	.0027	.7	.0034	.0050	.0002	.04	.0002	.0006	.0021
%RSD	50.18	.3207	8.468	.7855	7.502	.2042	2.101	2.716	.7973
#1	.0074	204.3	.0363	.6361	.0024	18.90	.0082	.0234	2.616
#2	.0023	204.8	.0430	.6347	.0027	18.95	.0079	.0236	2.579
#3	.0063	205.6	.0399	.6269	.0027	18.98	.0081	.0246	2.581
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1342	139.0	8.084	8.588	2.603	.0023	6.553	1.059	2.761
Stddev	.0002	.2	.074	.043	.006	.0003	.0299	.0006	.0045
%RSD	.1427	.1631	.9201	.5015	.2248	14.82	4.560	.5589	1.622
#1	.1343	138.9	8.058	8.538	2.610	.0027	6.886	1.053	2.747
#2	.1340	138.9	8.167	8.612	2.599	.0022	6.462	1.060	2.726
#3	.1344	139.3	8.025	8.613	2.600	.0021	6.310	1.065	2.812
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-.0042	-.0064	3.837	.0200	.0753	1.276	-.0063	4.214	4.813
Stddev	.0017	.0030	.007	.0010	.0005	.002	.0051	.0008	.0002
%RSD	41.13	46.47	.1934	5.107	.6640	.1330	81.24	1.846	0.472
#1	-.0036	-.0091	3.844	.0189	.0748	1.277	-.0021	4.205	4.812
#2	-.0028	-.0032	3.839	.0209	.0753	1.277	-.0120	4.219	4.812
#3	-.0061	-.0071	3.829	.0202	.0758	1.274	-.0048	4.218	4.816
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2625.6	5631.1	4495.2	4684.5					
Stddev	4.3	4.4	276.	13.9					
%RSD	.16392	.07783	.61469	.29682					
#1	2626.8	5633.6	4466.1	4686.1					
#2	2629.1	5626.1	4498.5	4697.6					
#3	2620.8	5633.7	4521.1	4669.9					

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7.2
7

Sample Name: FA32724-7 Acquired: 4/5/2016 10:54:10 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0112	151.1	.0252	4.494	.0018	12.46	.0114	.0153	1.855
Stddev	.0004	.7	.0019	.0035	.0001	.10	.0000	.0001	.0005
%RSD	3.281	.4393	7.521	.7681	5.574	.7691	.3295	.6375	2.609
#1	.0110	150.5	.0263	4.455	.0017	12.42	.0114	.0154	1.854
#2	.0110	151.0	.0262	4.517	.0019	12.40	.0114	.0152	1.851
#3	.0117	151.8	.0230	4.511	.0018	12.57	.0114	.0154	1.860
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1066	91.00	4.134	4.429	1.350	.0041	4.542	.0557	2.287
Stddev	.0004	.47	.049	.015	.006	.0001	.0139	.0005	.0023
%RSD	.4096	.5220	1.173	.3339	.4380	1.919	3.067	.8887	1.017
#1	.1069	90.63	4.141	4.438	1.344	.0042	4.393	.0563	2.279
#2	.1061	90.84	4.178	4.412	1.356	.0041	4.565	.0556	2.313
#3	.1068	91.54	4.082	4.437	1.350	.0040	4.669	.0553	2.269
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0023	-.0036	3.574	.0200	.0605	.9207	-.0029	3.237	3.298
Stddev	.0013	.0015	.004	.0005	.0004	.0025	.0030	.0008	.0012
%RSD	57.40	40.87	.1041	2.584	.6809	2.765	105.0	2.365	.3605
#1	-.0020	-.0019	3.575	.0203	.0601	.9183	.0000	3.230	3.312
#2	-.0038	-.0044	3.576	.0194	.0605	9.234	-.0061	3.245	3.289
#3	-.0012	-.0045	3.569	.0203	.0609	9.204	-.0026	3.236	3.294
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2610.2	5711.6	4553.6	4746.5					
Stddev	5.1	5.1	225.	10.7					
%RSD	.19549	.09014	.49393	.22580					
#1	2613.2	5710.3	4573.4	4756.0					
#2	2604.3	5707.3	4529.1	4748.6					
#3	2613.1	5717.3	4558.2	4734.9					

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Sample Name: FA32787-1 Acquired: 4/5/2016 10:58:29 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0004	28.55	.0040	1.575	.0013	746.1	.0013	.0047	0.631
Stddev	.0003	.07	.0004	.0011	.0001	2.0	.0002	.0000	.0002
%RSD	68.00	.2476	10.41	.7113	4.829	2.730	13.33	9.219	.3357
#1	-.0001	28.49	.0045	1.562	.0012	748.4	.0013	.0047	0.632
#2	-.0006	28.63	.0039	1.581	.0013	744.6	.0014	.0046	0.628
#3	-.0005	28.54	.0037	1.581	.0012	745.3	.0011	.0047	0.631
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0346	20.98	2.652	9.846	2.903	.0011	1.027	0.169	0.509
Stddev	.0001	.11	.007	.080	.0007	.0002	.027	.0004	.0014

Sample Name: FA32737-1 Acquired: 4/5/2016 11:02:58 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0026	425.7	0.0526	2.918	0.0218	72.77	0.0003	0.0352	2.107
Stddev	0.0034	1.7	0.0016	0.006	0.0007	0.44	0.0005	0.0002	0.008
%RSD	129.5	4.072	3.022	0.2156	3.284	6.042	154.6	0.6151	0.3738
#1	-0.0028	424.4	0.0517	2.919	0.0218	72.56	0.0004	0.0354	2.116
#2	-0.0009	425.1	0.0516	2.912	0.0225	72.48	-0.0002	0.0351	2.104
#3	-0.0059	427.7	0.0544	2.924	0.0210	73.28	0.0008	0.0350	2.102
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0235	299.2	9.555	22.32	6.902	-0.1017	1.444	1.999	2.397
Stddev	0.0033	9	0.174	0.16	0.058	0.013	0.065	0.017	0.036
%RSD	14.20	2.937	1.818	0.6942	0.8382	12.07	4.471	0.8614	1.482
#1	0.0208	298.6	9.440	22.48	6.939	-0.112	1.492	1.983	2.356
#2	0.0272	298.7	9.469	22.17	6.932	-0.116	1.371	2.017	2.419
#3	0.0224	300.2	9.754	22.32	6.836	-0.092	1.470	1.998	2.415
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0096	-0.0062	3.860	0.0191	4.044	1.287	-0.0042	0.5626	0.4163
Stddev	0.0091	0.0079	0.007	0.0018	0.009	0.004	0.0098	0.0029	0.0031
%RSD	94.45	127.1	0.1897	9.627	0.2104	0.3303	232.8	0.5108	0.7328
#1	-0.0074	0.0028	3.852	0.0170	4.042	1.290	-0.0001	0.5624	0.4129
#2	-0.0196	-0.0116	3.860	0.0200	4.037	1.288	-0.0153	0.5656	0.4189
#3	-0.0018	-0.0098	3.867	0.0203	4.053	1.282	0.0029	0.5599	0.4169
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2645.2	5766.1	4611.8	4719.6					
Stddev	3.9	21.1	266.	25.5					
%RSD	0.14788	0.36634	0.57749	0.54089					
#1	2649.1	5784.6	4595.1	4747.4					
#2	2645.2	5770.7	4597.7	4714.2					
#3	2641.2	5743.1	4642.5	4697.2					

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Sample Name: CCV Acquired: 4/5/2016 11:07:17 Type: QC
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.569	39.77	2.081	1.988	2.026	40.91	2.106	2.077	2.080
Stddev	0.0001	0.23	0.003	0.006	0.006	0.19	0.005	0.004	0.006
%RSD	0.0210	0.5675	0.1282	0.3050	0.3078	0.4737	0.2633	0.2076	0.3013
#1	2.569	39.99	2.080	1.991	2.032	41.11	2.100	2.072	2.087
#2	2.568	39.79	2.080	1.993	2.024	40.91	2.107	2.077	2.075
#3	2.569	39.54	2.084	1.982	2.020	40.72	2.111	2.081	2.078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.002	39.44	41.14	39.32	2.113	2.071	41.05	2.115	2.053
Stddev	0.004	0.14	0.19	0.16	0.006	0.004	0.14	0.006	0.001
%RSD	0.2244	0.3555	0.4576	0.4014	0.2833	0.1880	0.3517	0.2846	0.0475
#1	2.004	39.60	41.24	39.49	2.116	2.067	41.16	2.108	2.052
#2	2.005	39.35	41.25	39.30	2.118	2.071	41.11	2.117	2.053
#3	1.997	39.36	40.92	39.18	2.107	2.075	40.89	2.119	2.054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.079	2.057	2.361	2.076	2.079	2.098	2.077	2.100	2.139
Stddev	0.002	0.010	0.003	0.005	0.008	0.005	0.002	0.004	0.007
%RSD	0.1060	0.4688	0.1458	0.2380	0.3989	0.2477	0.0864	0.2106	0.3259
#1	2.076	2.047	2.357	2.071	2.085	2.104	2.075	2.106	2.131
#2	2.079	2.059	2.363	2.079	2.082	2.094	2.079	2.098	2.142
#3	2.081	2.066	2.362	2.080	2.069	2.096	2.078	2.098	2.144
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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7.2
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Sample Name: CCV Acquired: 4/5/2016 11:07:17 Type: QC
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2376.5	4903.8	3966.5	4205.9
Stddev	9	7.6	100.	39.7
%RSD	0.3794	0.15543	0.25165	0.94483
#1	2376.8	4912.5	3956.2	4160.3
#2	2377.2	4898.5	3976.1	4224.5
#3	2375.5	4900.4	3967.0	4232.9

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Sample Name: CCB Acquired: 4/5/2016 11:11:34 Type: QC
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	0.0017	-0.0001	0.0003	0.0002	0.0061	0.0001	0.0001	-0.0001
Stddev	0.0002	0.0025	0.0003	0.0005	0.0000	0.0029	0.0000	0.0000	0.0001
%RSD	140.9	149.9	356.4	205.2	14.13	47.95	33.52	34.64	63.70
#1	-0.0001	0.0035	-0.0003	-0.0001	0.0001	0.0028	0.0001	0.0001	-0.0002
#2	0.0001	0.0027	-0.0003	0.0000	0.0002	0.0073	0.0001	0.0001	0.0000
#3	-0.0003	-0.0012	0.0003	0.0008	0.0001	0.0083	0.0001	0.0001	-0.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0005	0.0030	-0.0658	0.0092	0.0002	-0.0001	0.0057	0.0001	-0.0003
Stddev	0.0001	0.0016	0.0377	0.0059	0.0001	0.0003	0.0013	0.0002	0.0004
%RSD	13.42	51.14	57.33	63.77	25.61	266.5	22.62	189.9	106.4
#1	0.0005	0.0039	-0.0609	0.0024	0.0002	0.0001	0.0043	0.0001	0.0000
#2	0.0005	0.0040	-0.0308	0.0128	0.0003	0.0000	0.0069	0.0003	-0.0004
#3	0.0004	0.0012	-0.1057	0.0124	0.0002	-0.0004	0.0059	-0.0001	-0.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0001	0.0007	0.0015	-0.0003	0.0003	-0.0003	0.0012	0.0002	0.0002
Stddev	0.0012	0.0028	0.0003	0.0002	0.0001	0.0001	0.0003	0.0002	0.0000
%RSD	189.1	413.2	20.39	80.76	17.80	23.63	27.26	98.83	15.67
#1	0.0012	0.0004	0.0011	-0.0002	0.0003	-0.0002	0.0014	0.0003	0.0002
#2	0.0003	0.0037	0.0017	-0.0001	0.0004	-0.0002	0.0008	0.0000	0.0002
#3	-0.0013	-0.0020	0.0016	-0.0006	0.0003	-0.0003	0.0013	0.0002	0.0003
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 4/5/2016 11:11:34 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2698.2	5141.3	41348.	4250.1
Stddev	3.9	3.3	69.	38.2
%RSD	.14333	.06442	.16765	.89824
#1	2694.8	5141.8	41428.	4290.9
#2	2702.4	5137.8	41303.	4244.2
#3	2697.6	5144.3	41312.	4215.3

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Sample Name: FA32737-3 Acquired: 4/5/2016 11:16:04 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.018	425.7	0.020	2.811	0.199	38.52	0.006	0.0295	1.504
Stddev	0.018	.9	0.020	0.003	0.002	.04	0.002	0.004	.004
%RSD	101.3	.2168	4.793	.0995	1.191	.1038	34.62	1.333	.2769
#1	-0.038	426.2	.0418	2.811	.0196	38.53	.0009	.0293	1.505
#2	-0.006	426.2	.0401	2.813	.0200	38.48	.0005	.0299	1.507
#3	-0.009	424.6	.0441	2.808	.0201	38.55	.0005	.0292	1.499
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0301	224.9	10.18	19.95	9.710	-0.031	1.256	2.015	2.464
Stddev	0.006	.4	.04	.08	.0038	.0001	.020	.0006	.0053
%RSD	1.926	.1779	.4070	.3781	.3902	4.289	1.557	.2915	2.159
#1	.0297	224.8	10.16	20.02	.9680	-0.029	1.257	.2022	.2419
#2	.0307	225.3	10.23	19.97	.9753	-0.032	1.236	.2013	.2449
#3	.0297	224.5	10.16	19.87	.9698	-0.031	1.276	.2011	.2523
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.108	-0.029	7.322	0.199	4.006	1.858	0.011	4.391	4.072
Stddev	0.043	0.023	.012	.0028	.005	.004	.0008	.0015	.0015
%RSD	40.07	79.21	.1695	14.22	1.209	.2350	76.41	.3386	.3666
#1	-0.098	-0.055	7.334	.0231	4.011	1.855	.0017	.4393	.4061
#2	-0.071	-0.012	7.322	.0178	4.005	1.863	.0013	.4406	.4089
#3	-0.155	-0.020	7.309	.0188	4.002	1.856	.0002	.4376	.4055
Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710					
Avg	2590.4	6026.3	47976.	4980.1					
Stddev	3.4	6.5	196.	19.5					
%RSD	.13160	.10763	.40767	.39225					
#1	2591.6	6024.2	48146.	4958.4					
#2	2586.6	6021.1	47762.	4996.3					
#3	2593.1	6033.5	48018.	4985.5					

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7.2
7

Sample Name: MP30204-MB1 Acquired: 4/5/2016 11:20:24 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.062	-0.002	-0.001	-0.001	0.081	-0.001	-0.002	-0.002
Stddev	0.001	0.0054	0.007	0.002	0.001	0.015	0.000	0.001	0.001
%RSD	92.28	87.68	357.3	237.5	89.01	18.94	8.663	48.01	81.37
#1	-0.001	0.089	-0.008	-0.004	0.000	0.097	-0.001	-0.001	0.000
#2	0.000	-0.001	0.006	0.001	-0.001	0.080	-0.001	-0.001	-0.002
#3	-0.002	0.098	-0.005	0.000	-0.001	0.067	-0.001	-0.002	-0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.005	0.038	-0.082	0.023	0.000	-0.010	0.036	-0.002	0.005
Stddev	0.002	0.0044	0.105	0.086	0.00	0.000	0.113	0.002	0.002
%RSD	53.48	116.5	13.10	42.25	54.66	2.376	313.1	94.88	41.44
#1	0.007	0.038	-0.924	0.029	0.000	-0.010	0.124	-0.001	0.008
#2	0.005	0.082	-0.735	0.104	-0.001	-0.010	-0.091	-0.004	0.005
#3	0.002	-0.006	-0.749	0.0257	0.000	-0.011	0.076	-0.001	0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.007	0.003	0.099	-0.004	0.000	-0.007	0.001	-0.002	0.001
Stddev	0.011	0.004	0.009	0.003	0.001	0.000	0.005	0.002	0.001
%RSD	163.0	147.8	9.065	71.58	331.9	4.497	571.8	141.8	60.82
#1	-0.014	-0.001	0.109	-0.002	0.001	-0.007	-0.004	-0.003	0.000
#2	0.006	0.002	0.092	-0.008	0.000	-0.007	0.002	0.001	0.002
#3	-0.014	0.008	0.095	-0.003	-0.001	-0.007	0.005	-0.003	0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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Sample Name: MP30204-MB1 Acquired: 4/5/2016 11:20:24 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2696.5	5115.1	41268.	4205.2
Stddev	9.1	13.0	52.	32.4
%RSD	.33614	.25485	.12657	.77016
#1	2700.5	5123.9	41219.	4226.9
#2	2702.8	5121.3	41262.	4220.7
#3	2686.1	5100.1	41323.	4168.0

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Sample Name: MP30204-B1 Acquired: 4/5/2016 11:24:55 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0492	29.47	2.108	2.101	.0542	28.20	.0548	.5365	2.182
Stddev	.0004	.03	.009	.005	.0001	.02	.0003	.0014	.0010
%RSD	.7131	.1097	.4241	.2449	.1876	.0595	.4793	.2647	.4534
#1	.0491	29.47	2.103	2.100	.0542	28.20	.0548	.5358	2.176
#2	.0496	29.44	2.103	2.097	.0542	28.19	.0545	.5356	2.178
#3	.0490	29.50	2.119	2.107	.0543	28.22	.0551	.5382	2.194

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2673	28.97	28.37	27.43	.5658	.5394	28.25	.5523	.5195
Stddev	.0009	.03	.09	.10	.0030	.0012	.11	.0018	.0009
%RSD	.3349	.1193	.3172	.3468	.5322	.2290	.3750	.3245	.1639
#1	.2663	28.96	28.29	27.32	.5639	.5392	28.20	.5521	.5191
#2	.2676	28.94	28.34	27.49	.5642	.5383	28.18	.5507	.5189
#3	.2680	29.01	28.46	27.47	.5693	.5408	28.37	.5542	.5205

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5338	2.113	.0255	.5551	.5416	.5554	2.096	.5266	.5539
Stddev	.0010	.003	.0001	.0019	.0025	.0018	.005	.0018	.0030
%RSD	.1849	.1601	.4330	.3375	.4663	.3316	.2177	.3381	.5332
#1	.5328	2.115	.0254	.5547	.5405	.5542	2.092	.5246	.5533
#2	.5339	2.109	.0256	.5535	.5397	.5544	2.094	.5280	.5514
#3	.5348	2.115	.0255	.5572	.5445	.5575	2.101	.5271	.5572

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: MP30204-B1 Acquired: 4/5/2016 11:24:55 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2449.2	4924.7	3946.0	4134.3
Stddev	4.5	6.3	174.	16.9
%RSD	.18510	.12839	.44085	.40898
#1	2444.4	4919.0	3948.2	4124.7
#2	2453.4	4931.5	3962.2	4124.3
#3	2449.9	4923.6	3927.6	4153.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2673	28.97	28.37	27.43	.5658	.5394	28.25	.5523	.5195
Stddev	.0009	.03	.09	.10	.0030	.0012	.11	.0018	.0009
%RSD	.3349	.1193	.3172	.3468	.5322	.2290	.3750	.3245	.1639
#1	.2663	28.96	28.29	27.32	.5639	.5392	28.20	.5521	.5191
#2	.2676	28.94	28.34	27.49	.5642	.5383	28.18	.5507	.5189
#3	.2680	29.01	28.46	27.47	.5693	.5408	28.37	.5542	.5205

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: FA32638-9 Acquired: 4/5/2016 11:29:07 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.002	.0232	-0.001	.0176	-0.001	14.41	.0000	.0004	-0.001
Stddev	.0003	.0026	.0010	.0004	.0001	.09	.000	.0001	.0002
%RSD	130.1	11.07	814.0	2.484	72.12	.6162	85.82	24.09	243.6
#1	-0.002	.0209	-0.012	.0180	-0.001	14.43	-0.001	.0003	-0.003
#2	-0.005	.0260	.0001	.0175	-0.002	14.32	.0000	.0004	.0002
#3	.0001	.0228	.0008	.0172	-0.001	14.49	-0.001	.0005	-0.002

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0009	1.086	2.803	4.369	1.159	-0.007	5.960	.0004	-0.011
Stddev	.0001	.012	.011	.021	.0005	.0001	.016	.0002	.0005
%RSD	7.500	1.118	.3822	.4759	.4595	15.71	2.634	50.82	43.69
#1	.0009	1.094	2.812	4.392	1.154	-0.009	5.953	.0005	-0.012
#2	.0008	1.072	2.806	4.351	1.164	-0.008	5.949	.0002	-0.006
#3	.0010	1.092	2.791	4.365	1.157	-0.006	5.978	.0006	-0.015

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0002	.0003	8.205	-0.002	.1264	.0006	.0003	-0.001	.0107
Stddev	.0007	.0016	.017	.0002	.0006	.0001	.0010	.0004	.0000
%RSD	369.4	616.2	.2010	118.7	.4622	16.38	392.7	370.1	.0385
#1	-0.006	.0020	8.188	.0000	.1267	.0007	-0.008	.0003	.0107
#2	.0007	-0.010	8.208	-0.001	.1257	.0005	.0003	-0.004	.0107
#3	.0005	-0.002	8.220	-0.004	.1267	.0006	.0012	-0.001	.0107

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Sample Name: MP30204-D1 Acquired: 4/5/2016 11:33:33 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	.0149	-0.007	.0178	-0.001	14.52	.0000	.0003	-0.001
Stddev	.0003	.0093	.0008	.0001	.0001	.06	.000	.0001	.0001
%RSD	51.44	62.19	123.4	.5870	94.21	4.051	73.74	14.62	48.99
#1	-0.008	.0190	-0.016	.0178	.0000	14.45	-0.001	.0004	-0.001
#2	-0.007	.0214	-0.005	.0178	-0.001	14.56	.0000	.0003	-0.002
#3	-0.002	.0043	.0001	.0180	-0.002	14.54	-0.001	.0004	-0.001

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0003	1.078	2.822	4.436	1.158	-0.011	5.965	.0006	-0.008
Stddev	.0000	.010	.036	.064	.0002	.0000	.008	.0001	.0003
%RSD	15.75	.9385	1.294	1.447	.1986	3.887	.1347	14.70	39.47
#1	.0003	1.066	2.812	4.362	1.157	-0.012	5.956	.0007	-0.012
#2	.0003	1.083	2.792	4.474	1.156	-0.011	5.968	.0006	-0.007
#3	.0004	1.084	2.863	4.472	1.161	-0.011	5.972	.0006	-0.006

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0004	-0.0003	8.142	-0.006	.1269	.0004	.0003	.0000	.0104
Stddev	.0007	.0008	.036	.0000	.0002	.0001	.0013	.0001	.0000
%RSD	158.2	254.8	.4437	5.176	.1941	31.22	445.7	574.6	.4071
#1	.0010	.0004	8.100	-0.006	.1266	.0003	.0006	.0001	.0104
#2	.0007	-0.001	8.163	-0.006	.1270	.0005	-0.011	.0001	.0104
#3	-0.004	-0.012	8.162	-0.005	.1271	.0003	.0014	-0.001	.0105

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Sample Name: MP30204-SD1 Acquired: 4/5/2016 11:37:59 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.019	0.256	-0.006	0.166	-0.006	13.87	-0.004	0.001	-0.012
Stddev	.0031	.0604	.0006	.0008	.0001	.11	.0002	.0008	.0010
%RSD	161.3	236.2	101.3	4.801	21.81	.7884	45.34	695.6	80.47
#1	-.0020	.0299	-.0008	.0160	-.0005	13.85	-.0006	.0005	-.0001
#2	.0012	.0837	.0001	.0164	-.0006	13.78	-.0003	-.0008	-.0018
#3	-.0049	-.0369	-.0011	.0175	-.0008	13.99	-.0002	.0006	-.0017
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.009	1.007	2.325	4.330	1.120	-0.070	5.687	0.004	-0.010
Stddev	.0001	.019	.113	.156	.0003	.0003	.053	.0005	.0025
%RSD	13.32	1.887	4.876	3.602	.2595	4.212	.9402	121.0	245.4
#1	.0008	.9868	2.455	4.321	.1117	-.0069	5.698	.0004	-.0005
#2	.0011	1.010	2.246	4.179	.1119	-.0073	5.629	-.0001	-.0012
#3	.0009	1.025	2.275	4.490	.1123	-.0067	5.735	.0009	-.0037
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.001	-0.018	7.753	-0.044	1.203	-0.033	0.030	-0.003	0.444
Stddev	.0027	.0050	.012	.0005	.0010	.0003	.0032	.0003	.0013
%RSD	262.0	279.1	.1606	10.88	.8599	10.40	107.2	96.36	3.037
#1	-.0008	-.0065	7.741	-.0039	.1195	-.0031	.0029	-.0003	.0428
#2	-.0025	-.0023	7.751	-.0044	.1199	-.0037	.0062	-.0007	.0449
#3	.0029	.0034	7.766	-.0048	.1214	-.0030	-.0002	.0000	.0453
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2701.0	5163.5	4180.7	4222.4					
Stddev	3.6	8.1	263.	16.4					
%RSD	.13436	.15644	.62940	.38744					
#1	2704.8	5170.2	42071.	4226.7					
#2	2700.6	5165.8	41805.	4236.3					
#3	2697.6	5154.5	41544.	4204.4					

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Sample Name: MP30204-PS1 Acquired: 4/5/2016 11:42:26 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.480	2.578	1.061	2.781	0.529	19.37	0.544	0.542	0.548
Stddev	.0003	.028	.0004	.0015	.0002	.10	.0001	.0001	.0003
%RSD	.6886	1.066	.3987	.5408	.4518	.5247	.1848	.2083	.4684
#1	.0479	2.588	.1058	.2772	.0526	19.25	.0544	.0541	.0545
#2	.0483	2.547	.1065	.2772	.0529	19.40	.0544	.0543	.0549
#3	.0477	2.599	.1059	.2798	.0531	19.45	.0546	.0541	.0550
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.071	4.176	13.01	9.319	1.693	10.44	16.12	1.093	0.494
Stddev	.0006	.025	.09	.048	.0005	.0004	.10	.0002	.0006
%RSD	.5193	.5921	.6628	.5188	.3086	.3782	.6082	.1397	1.148
#1	.1067	4.157	12.91	9.274	.1699	10.43	16.04	.1092	.0501
#2	.1078	4.166	13.02	9.312	.1690	10.41	16.09	.1093	.0492
#3	.1069	4.204	13.08	9.370	.1689	10.49	16.23	.1095	.0490
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.094	1.017	8.030	0.516	1.738	1.092	1.017	0.528	2.960
Stddev	.0008	.0009	.021	.0004	.0015	.0001	.0011	.0002	.0004
%RSD	.6928	.8882	.2648	.8492	.8838	.0694	1.068	.3239	1.188
#1	.1097	.1009	8.009	.0513	.1722	.1092	.1028	.0526	.2963
#2	.1099	.1026	8.029	.0515	.1737	.1093	.1007	.0530	.2956
#3	.1085	.1015	8.051	.0521	.1753	.1092	.1014	.0528	.2961
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2569.8	5031.3	40641.	4180.8					
Stddev	7.9	12.0	105.	9.8					
%RSD	.30628	.23809	.25950	.23554					
#1	2576.7	5038.5	40559.	4183.3					
#2	2571.4	5038.0	40760.	4169.9					
#3	2561.2	5017.5	40603.	4189.1					

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7.2
7

Sample Name: MP30204-S1 Acquired: 4/5/2016 11:46:44 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.495	29.65	2.128	2.142	0.542	42.70	0.546	5.354	2.171
Stddev	.0004	.31	.008	.021	.0006	.30	.0002	.0012	.0009
%RSD	.9075	1.031	.3580	1.002	1.032	.7116	.3237	.2201	.4092
#1	.0494	29.47	2.126	2.131	.0539	42.52	.0544	.5348	.2161
#2	.0499	29.48	2.121	2.127	.0539	42.54	.0545	.5347	.2178
#3	.0491	30.01	2.136	2.166	.0549	43.05	.0548	.5368	.2175
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.699	30.20	31.32	32.02	6.743	5.395	34.32	5.492	5.180
Stddev	.0006	.30	.32	.22	.0021	.0019	.33	.0016	.0017
%RSD	.2275	1.005	1.014	.7013	.3091	.3587	.9737	.2865	.3326
#1	.2705	30.04	31.13	32.01	.6731	.5379	34.19	.5478	.5172
#2	.2693	30.00	31.13	31.80	.6767	.5389	34.08	.5489	.5200
#3	.2697	30.55	31.68	32.25	.6730	.5416	34.70	.5509	.5168
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.355	2.129	8.413	5.548	6.684	5.525	2.087	5.247	5.604
Stddev	.0035	.005	.026	.0011	.0063	.0013	.006	.0008	.0013
%RSD	.6473	.2350	.3146	.1952	.9384	.2409	.3041	.1457	.2357
#1	.5335	2.126	8.398	.5537	.6661	.5513	2.084	.5247	.5589
#2	.5335	2.126	8.398	.5548	.6637	.5539	2.094	.5255	.5614
#3	.5395	2.135	8.444	.5559	.6755	.5525	2.083	.5240	.5608
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2420.0	4910.3	39665.	4149.6					
Stddev	1.4	12.2	176.	32.8					
%RSD	.05824	.24769	.44276	.78927					
#1	2419.4	4911.6	39857.	4174.3					
#2	2418.9	4921.7	39513.	4162.0					
#3	2421.6	4897.5	39625.	4112.4					

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Sample Name: MP30204-S2 Acquired: 4/5/2016 11:50:56 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.496	29.90	2.141	2.168	0.549	42.77	0.547	5.361	2.183
Stddev	.0006	.12	.002	.012	.0001	.17	.0001	.0015	.0009
%RSD	1.215	.4067	.1050	.5629	.2641	.4018	.2141	.2712	.4274
#1	.0490	29.82	2.140	2.159	.0548	42.78	.0546	.5345	.2188
#2	.0502	29.85	2.140	2.164	.0548	42.59	.0547	.5369	.2173
#3	.0495	30.04	2.144	2.182	.0551	42.94	.0549	.5371	.2190
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.713	30.36	31.52	32.05	6.742	5.415	34.48	5.509	5.203
Stddev	.0004	.13	.15	.					

Sample Name: FA32638-1 Acquired: 4/5/2016 11:55:07 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.577	0.002	0.076	-0.001	6.281	0.000	0.024	0.002
Stddev	.0002	.0039	.0005	.0003	.0000	.028	.000	.0000	.0001
%RSD	140.8	6.792	264.0	3.313	21.78	.4454	43.08	1.315	39.57
#1	-.0004	.0551	.0006	.0074	-.0001	6.249	.0000	.0024	.0001
#2	-.0001	.0558	-.0003	.0079	-.0001	6.297	-.0001	.0024	.0003
#3	.0000	.0623	.0002	.0076	-.0001	6.297	.0000	.0024	.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.006	9.115	1.788	2.173	0.0434	-0.010	3.744	0.015	-0.006
Stddev	.0002	.0050	.038	.024	.0002	.0001	.016	.0003	.0005
%RSD	31.33	.5480	2.143	1.083	.4170	5.954	.4234	21.87	73.30
#1	.0004	.9117	1.745	2.148	.0432	-.0011	3.728	.0018	-.0005
#2	.0008	.9064	1.799	2.179	.0436	-.0010	3.743	.0011	-.0003
#3	.0007	.9163	1.819	2.193	.0433	-.0010	3.760	.0015	-.0012
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.004	-0.006	7.539	-0.001	0.0492	0.042	0.002	0.003	0.164
Stddev	.0005	.0015	.010	.0003	.0003	.0005	.0003	.0001	.0000
%RSD	105.7	237.7	.1296	289.5	.6843	11.39	161.8	20.57	.2226
#1	.0010	-.0012	7.542	.0000	.0489	.0038	.0002	.0003	.0164
#2	.0004	-.0018	7.548	-.0004	.0491	.0040	.0005	.0004	.0164
#3	.0000	.0011	7.529	.0001	.0496	.0047	-.0001	.0002	.0164
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2671.4	5155.1	4151.3	4245.9					
Stddev	5.9	3.8	117.	13.5					
%RSD	.22105	.07414	.28193	.31723					
#1	2674.5	5159.4	4159.2	4257.0					
#2	2675.1	5153.3	4137.9	4249.8					
#3	2664.6	5152.4	4156.8	4230.9					

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Sample Name: CCV Acquired: 4/5/2016 11:59:33 Type: QC
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.566	39.91	2.054	1.985	2.022	40.94	2.090	2.061	2.095
Stddev	.0010	.08	.001	.005	.004	.05	.001	.002	.008
%RSD	.3982	.2110	.0363	.2518	.1910	.1193	.0555	.0904	.3767
#1	.2575	40.01	2.054	1.991	2.024	41.00	2.091	2.063	2.094
#2	.2555	39.85	2.053	1.984	2.018	40.91	2.091	2.060	2.103
#3	.2569	39.88	2.055	1.981	2.024	40.92	2.089	2.059	2.088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.999	39.47	41.22	39.71	2.127	2.056	40.90	2.096	2.044
Stddev	.009	.07	.19	.16	.009	.003	.03	.004	.003
%RSD	.4393	.1754	.4683	.3905	.4373	.1421	.0799	.1771	.1249
#1	2.003	39.52	41.44	39.87	2.137	2.059	40.89	2.101	2.042
#2	1.989	39.39	41.14	39.57	2.124	2.056	40.87	2.093	2.046
#3	2.005	39.49	41.08	39.88	2.120	2.053	40.94	2.096	2.043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.050	2.035	2.331	2.065	2.065	2.102	2.058	2.105	2.136
Stddev	.004	.006	.002	.003	.005	.005	.005	.010	.003
%RSD	.2181	.3004	.0818	.1389	.2343	.2573	.2220	.4922	.1320
#1	2.055	2.042	2.333	2.065	2.070	2.102	2.063	2.103	2.137
#2	2.049	2.033	2.330	2.068	2.060	2.107	2.058	2.117	2.139
#3	2.046	2.030	2.330	2.063	2.066	2.096	2.054	2.097	2.133
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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7.2
7

Sample Name: CCV Acquired: 4/5/2016 11:59:33 Type: QC
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2394.3	4953.2	39526.	4154.0
Stddev	1.1	3.8	74.	15.5
%RSD	.04421	.07654	.18664	.37406
#1	2395.4	4949.1	39593.	4140.1
#2	2393.3	4956.6	39447.	4151.2
#3	2394.1	4953.9	39538.	4170.8

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Sample Name: CCB Acquired: 4/5/2016 12:03:50 Type: QC
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.001	0.040	0.004	0.004	0.003	0.086	0.000	0.000	-0.001
Stddev	.0002	.0019	.0010	.0003	.0000	.0018	.0000	.0001	.0003
%RSD	257.7	47.46	243.6	83.29	6.101	20.40	123.9	162.7	211.9
#1	.0002	.0047	.0008	.0007	.0003	.0071	.0001	.0000	.0000
#2	-.0001	.0054	-.0007	.0002	.0003	.0105	.0000	.0001	.0001
#3	.0001	.0018	.0013	.0002	.0003	.0081	.0000	.0001	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.002	0.060	-0.011	-0.057	0.002	-0.001	0.125	0.001	-0.004
Stddev	.0003	.0030	.0077	.0149	.0000	.0003	.0117	.0002	.0004
%RSD	166.3	50.52	686.0	259.9	21.23	276.1	93.63	227.3	89.90
#1	-.0001	.0081	.0000	-.0079	.0003	.0002	.0175	.0000	-.0006
#2	.0005	.0072	-.0094	.0101	.0002	-.0002	.0209	.0000	.0000
#3	.0001	.0025	.0060	-.0194	.0002	-.0004	-.0009	.0003	-.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.000	0.004	0.021	-0.003	0.003	-0.001	0.014	0.001	0.001
Stddev	.0010	.0019	.0002	.0003	.0000	.0001	.0000	.0001	.0001
%RSD	6620.	452.7	10.22	79.60	15.59	186.4	3.395	55.53	44.87
#1	.0012	.0026	.0019	-.0001	.0003	.0000	.0013	.0001	.0002
#2	-.0003	-.0009	.0023	-.0003	.0003	.0000	.0014	.0000	.0002
#3	-.0008	-.0004	.0020	-.0006	.0003	-.0002	.0014	.0001	.0001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 4/5/2016 12:03:50 Type: QC
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2707.5	5134.4	41132.	4166.8
Stddev	6.0	7.9	270.	35.3
%RSD	.22320	.15377	.65542	.84821

#1	2711.4	5138.1	41230.	4199.5
#2	2700.5	5125.3	40827.	4129.3
#3	2710.6	5139.7	41339.	4171.8

Sample Name: FA32638-2 Acquired: 4/5/2016 12:08:20 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.0518	-.0004	.0955	.0001	1.352	.0001	.0000	.0004
Stddev	.0007	.0152	.0006	.0001	.0000	.006	.0000	.0000	.0000
%RSD	1269.	29.39	153.4	.0582	18.69	.4649	61.75	177.4	10.14

#1	.0008	.0686	-.0010	.0954	.0001	1.356	.0000	.0001	.0004
#2	-.0006	.0481	.0002	.0955	.0001	1.344	.0001	.0000	.0005
#3	-.0001	.0389	-.0004	.0955	.0001	1.354	.0001	.0000	.0004

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0011	.0072	2.351	4.864	.0145	-.0008	5.219	.0026	-.0002
Stddev	.0002	.0017	.018	.018	.0002	.0001	.026	.0001	.0009
%RSD	20.76	23.99	.7474	.3790	1.199	7.318	.5060	3.282	372.4

#1	.0014	.0085	2.333	4.880	.0147	-.0008	5.246	.0026	.0002
#2	.0011	.0053	2.368	4.844	.0144	-.0008	5.193	.0026	.0004
#3	.0009	.0079	2.353	4.868	.0143	-.0009	5.218	.0027	-.0013

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0006	-.0010	2.414	-.0003	.0285	.0000	.0003	.0002	-.0352
Stddev	.0005	.0014	.007	.0003	.0002	.000	.0009	.0002	.0001
%RSD	91.55	141.2	.2925	122.4	.5527	1423.	290.1	154.0	.2758

#1	-.0001	-.0019	2.406	.0000	.0284	.0002	.0005	.0001	.0351
#2	-.0012	.0006	2.418	-.0002	.0287	.0000	.0011	.0004	.0353
#3	-.0006	-.0017	2.419	-.0006	.0285	-.0002	-.0007	.0000	.0352

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2656.0	5153.0	41588.	4287.5
Stddev	3.0	7.3	321.	19.6
%RSD	.11176	.14152	.77257	.45643

#1	2658.5	5160.1	41294.	4298.5
#2	2656.8	5153.2	41538.	4299.1
#3	2652.7	5145.6	41931.	4264.9

7.2
7

Sample Name: FA32638-3 Acquired: 4/5/2016 12:12:46 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	.0001	.0277	-.0010	.0140	.0000	.9733	-.0001	-.0001	.0003
Stddev	.0004	.0037	.0008	.0001	.000	.0058	.0000	.0002	.0000
%RSD	306.5	13.23	80.46	.6887	279.5	5949	23.29	163.7	15.50

#1	.0001	.0248	-.0005	.0142	-.0001	.9675	-.0001	.0001	.0003
#2	-.0002	.0318	-.0019	.0140	.0000	.9791	-.0001	-.0003	.0002
#3	.0005	.0266	-.0006	.0140	.0000	.9733	-.0001	-.0001	.0003

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0010	.0843	1.181	1.004	.0037	-.0011	.9995	.0002	-.0001
Stddev	.0001	.0025	.020	.013	.0000	.0001	.0082	.0001	.0003
%RSD	5.196	2.983	1.715	1.325	.7618	4.515	.8236	43.20	370.3

#1	.0011	.0817	1.158	.9893	.0037	-.0011	.9904	.0002	-.0002
#2	.0010	.0867	1.196	1.015	.0037	-.0012	1.006	.0001	.0003
#3	.0010	.0844	1.189	1.009	.0037	-.0011	1.002	.0003	-.0003

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0002	-.0006	2.623	-.0001	.0107	.0004	.0003	-.0001	.0175
Stddev	.0007	.0014	.007	.0002	.0000	.0008	.0010	.0000	.0001
%RSD	344.9	240.4	.2615	197.6	.3315	195.6	399.8	36.91	.3930

#1	.0007	.0011	2.630	.0001	.0107	.0000	-.0009	-.0001	.0174
#2	-.0006	-.0016	2.624	-.0004	.0108	-.0001	.0009	-.0002	.0174
#3	.0005	-.0013	2.616	-.0001	.0107	.0014	.0008	-.0001	.0175

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2690.3	5153.3	41756.	4262.4
Stddev	7.6	13.0	94.	21.2
%RSD	.28073	.25312	.22514	.49685

#1	2694.3	5151.1	41648.	4256.6
#2	2681.6	5141.5	41800.	4244.7
#3	2695.1	5167.3	41819.	4285.8

Sample Name: FA32638-4 Acquired: 4/5/2016 12:17:12 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.1626	.0001	.0606	-.0001	4.563	-.0001	-.0001	.0085
Stddev	.0002	.0060	.0003	.0005	.0001	.002	.0000	.0001	.0004
%RSD	427.5	3.677	253.6	.7885	134.7	.0436	15.15	84.80	5.147

#1	.0000	.1560	-.0001	.0606	-.0001	4.562	-.0001	-.0001	.0089
#2	-.0002	.1675	.0004	.0611	-.0001	4.566	-.0001	-.0001	.0081
#3	.0003	.1645	.0000	.0601	.0000	4.562	-.0001	.0000	.0084

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0019	.1272	4.706	3.983	.0296	-.0013	F 99.81	.0017	.0001
Stddev	.0002	.0014	.016	.027	.0000	.0001	.23	.0001	.0001
%RSD	10.93	1.101	.3494	.6831	.0900	6.532	.2324	6.495	75.36

#1	.0020	.1266	4.689	3.980	.0296	-.0013	99.68	.0018	.0000
#2	.0020	.1289	4.722	4.011	.0296	-.0012	100.1	.0017	.0002
#3	.0016	.1263	4.708	3.957	.0296	-.0014	99.67	.0016	.0002

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0003	.0008	4.809	-.0005	.0362	.0046	-.0003	.0002	.0174
Stddev	.0005	.0002	.006	.0004	.0002	.0001	.0008	.0002	.0001
%RSD	172.6	29.48	.1283	81.74	.5921	2.776	325.4	129.2	.4616

#1	-.0002	.0010	4.813	-.0009	.0360	.0045	.0000	.0000	.0174
#2	.0008	.0008	4.802	-.0001	.0363	.0047	.0004	.0001	.0174
#3	.0003	.0006	4.812	-.0004	.0364	.0046	-.0012	.0004	.0175

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2514.9	5144.4	40730.	4239.2
Stddev	3.4	21.1	107.	25.3
%RSD	.13672	.40926	.26246	.59687

#1	2513.0	5133.4	40815.	4211.6
#2	2518.8	5168.7	40764.	4261.4
#3	2512.8	5131.2	40610.	4244.5

Sample Name: FA32638-10 Acquired: 4/5/2016 12:21:37 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.103	-0.008	1.343	-0.001	6.524	0.000	-0.001	0.011
Stddev	0.003	0.068	0.010	0.007	0.000	0.022	0.000	0.001	0.001
%RSD	534.9	65.87	132.1	0.5039	13.56	0.3444	235.2	64.20	7.261
#1	-0.003	0.040	-0.019	1.335	-0.001	6.506	0.000	-0.001	0.010
#2	0.003	0.094	-0.003	1.348	-0.001	6.549	0.000	-0.002	0.011
#3	-0.003	0.175	-0.001	1.345	-0.001	6.517	0.000	0.000	0.012
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.005	-0.047	3.820	6.567	0.029	-0.013	19.11	0.008	-0.006
Stddev	0.002	0.034	0.024	0.009	0.000	0.002	0.07	0.001	0.002
%RSD	53.38	71.76	0.6263	0.1309	1.058	18.72	0.3713	8.720	24.64
#1	0.006	-0.060	3.793	6.567	0.029	-0.011	19.04	0.007	-0.007
#2	0.006	-0.073	3.828	6.559	0.029	-0.012	19.18	0.009	-0.008
#3	0.002	-0.009	3.839	6.576	0.030	-0.016	19.12	0.009	-0.005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.001	0.010	4.123	-0.006	0.732	-0.005	0.010	-0.001	0.201
Stddev	0.005	0.014	0.005	0.003	0.001	0.000	0.006	0.001	0.001
%RSD	874.7	143.3	0.1311	57.15	0.0968	4.762	55.25	101.0	452.0
#1	0.001	0.025	4.120	-0.002	0.732	-0.005	0.015	-0.001	0.202
#2	-0.006	0.005	4.119	-0.006	0.733	-0.005	0.012	0.000	0.200
#3	0.003	-0.001	4.129	-0.009	0.732	-0.004	0.004	-0.003	0.202
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2631.2	5113.5	4085.3	4161.3					
Stddev	4.5	3.8	200.	19.5					
%RSD	0.17123	0.07444	0.49030	0.46821					
#1	2626.8	5109.1	4064.8	4160.2					
#2	2631.2	5115.6	4086.1	4142.4					
#3	2635.8	5115.8	4104.9	4181.4					

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Sample Name: FA32638-11 Acquired: 4/5/2016 12:26:03 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	0.648	0.019	0.438	0.003	3.615	0.005	0.019	0.056
Stddev	0.003	0.106	0.009	0.003	0.000	0.015	0.000	0.001	0.001
%RSD	98.52	1.599	49.95	0.5969	15.27	0.4114	5.670	3.041	1.235
#1	-0.007	0.653	0.010	0.435	0.003	3.627	0.005	0.019	0.055
#2	-0.001	0.673	0.017	0.439	0.004	3.598	0.004	0.018	0.057
#3	-0.003	0.628	0.028	0.439	0.003	3.620	0.005	0.019	0.056
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.020	-0.065	4.944	12.40	0.026	-0.014	F 176.5	0.078	0.002
Stddev	0.001	0.010	0.026	0.08	0.000	0.001	1.6	0.001	0.007
%RSD	2.997	15.95	0.5353	0.6309	0.2442	5.395	0.8833	0.7648	457.2
#1	0.020	-0.062	4.925	12.45	0.026	-0.014	175.8	0.078	0.001
#2	0.021	-0.077	4.933	12.31	0.027	-0.015	175.4	0.079	0.009
#3	0.020	-0.057	4.975	12.44	0.026	-0.014	178.3	0.077	-0.005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.012	0.045	3.772	-0.008	0.299	-0.007	0.002	0.002	0.159
Stddev	0.005	0.017	0.005	0.001	0.002	0.001	0.015	0.000	0.003
%RSD	38.17	12.03	0.1252	14.60	0.5137	10.35	726.8	28.97	1.784
#1	-0.007	0.016	3.767	-0.009	0.300	-0.007	0.014	0.002	0.156
#2	-0.016	0.038	3.772	-0.008	0.297	-0.007	-0.014	0.002	0.152
#3	-0.013	0.032	3.777	-0.007	0.300	-0.008	0.006	0.001	0.158
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2415.0	6166.9	4847.4	5095.2					
Stddev	1.3	7.4	181.	31.7					
%RSD	0.05510	0.12018	0.37262	0.62138					
#1	2416.5	6158.7	4859.4	5085.9					
#2	2414.0	6168.8	4826.6	5130.5					
#3	2414.4	6173.1	4856.1	5069.2					

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7.2
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Sample Name: FA32638-12 Acquired: 4/5/2016 12:30:35 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.000	0.1753	0.000	1.068	0.000	8.027	0.000	0.047	0.091
Stddev	0.000	0.073	0.004	0.001	0.000	0.070	0.000	0.001	0.002
%RSD	618.5	4.174	763.5	0.0918	434.9	8.747	97.40	2.216	1.815
#1	-0.001	0.1741	-0.001	1.069	0.000	8.087	0.000	0.048	0.093
#2	-0.002	0.1831	-0.005	1.067	0.000	8.043	0.000	0.046	0.090
#3	-0.000	0.1686	-0.002	1.068	0.000	7.950	0.000	0.047	0.090
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.017	0.615	3.541	1.779	0.062	-0.014	F 132.5	0.184	0.000
Stddev	0.003	0.033	0.019	0.027	0.002	0.000	4	0.002	0.001
%RSD	16.28	5.448	0.5285	1.529	0.3828	2.296	0.3158	1.120	442.6
#1	0.018	0.593	3.560	1.809	0.060	-0.014	132.0	0.185	-0.002
#2	0.014	0.598	3.540	1.756	0.065	-0.014	132.5	0.185	-0.008
#3	0.019	0.653	3.523	1.772	0.061	-0.014	132.9	0.181	0.010
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.001	0.051	2.968	-0.003	0.083	0.006	0.007	0.002	0.042
Stddev	0.007	0.009	0.004	0.001	0.001	0.003	0.006	0.001	0.001
%RSD	681.1	18.56	0.1290	52.66	1.140	52.38	90.49	36.94	1.692
#1	-0.007	0.040	2.964	-0.004	0.081	0.009	0.013	0.003	0.042
#2	0.003	0.056	2.968	-0.003	0.083	0.004	0.001	0.002	0.041
#3	0.008	0.057	2.971	-0.001	0.083	0.004	0.007	0.002	0.043
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2486.6	5025.3	3976.7	4168.5					
Stddev	3.8	3.1	168.	42.9					
%RSD	0.15417	0.06084	0.42228	1.0291					
#1	2486.3	5021.8	3996.0	4119.0					
#2	2490.6	5026.5	3965.9	4194.7					
#3	2483.0	5027.5	3968.1	4191.7					

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Sample Name: FA32638-13 Acquired: 4/5/2016 12:35:04 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.625	-0.006	0.908	0.000	5.631	-0.001	-0.002	0.001
Stddev	0.003	0.032	0.004	0.003	0.000	0.052	0.000	0.001	0.001
%RSD	574.1	5.075	67.25	0.3276	79.06	9.262	83.38	39.57	109.7
#1	0.001	0.641	-0.004	0.906	0.001	5.581	-0.001	-0.003	0.001
#2	0.002	0.588	-0.010	0.911	0.000	5.685	0.000	-0.002	0.002
#3	-0.004	0.645	-0.002	0.908	0.000	5.626	0.000	-0.001	0.000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.007	0.051	2.000	3.199	0.0251	-0.014	2.670	0.043	-0.002
Stddev	0.001	0.017	0.037	0.037	0.001	0.001	0.026	0.002	0.005
%RSD	14.73	33.76	1.867	1.161	0.4293	5.821	0.9852	4.284	276.2
#1	0.007	0.035							

Sample Name: FA32638-1F Acquired: 4/5/2016 12:39:30 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0003	.0045	.0005	.0071	.0001	6.279	.0000	.0007	.0001
Stddev	.0002	.0079	.0009	.0002	.0000	.034	.000	.0001	.0001
%RSD	67.58	174.9	199.6	3.394	49.06	.5353	547.3	10.09	50.99
#1	.0005	.0014	.0013	.0072	.0000	6.278	.0000	.0008	.0002
#2	.0001	.0014	.0006	.0071	.0001	6.313	.0000	.0007	.0001
#3	.0003	.0135	.0005	.0068	.0001	6.246	.0000	.0006	.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0048	.0044	1.830	2.156	.0168	.0010	3.775	.0010	.0003
Stddev	.0003	.0016	.025	.026	.0001	.0001	.008	.0001	.0002
%RSD	6.892	36.14	1.369	1.207	.3316	5.015	.2015	11.64	48.63
#1	.0046	.0026	1.850	2.142	.0167	.0011	3.783	.0009	.0005
#2	.0052	.0050	1.839	2.186	.0168	.0010	3.775	.0011	.0002
#3	.0046	.0057	1.802	2.139	.0168	.0010	3.767	.0009	.0002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0001	.0006	7.466	.0005	.0490	.0007	.0001	.0001	.0137
Stddev	.0008	.0009	.019	.0002	.0003	.0001	.0005	.0000	.0001
%RSD	820.0	166.3	.2567	29.38	.5510	12.52	332.6	50.51	.6692
#1	.0005	.0006	7.444	.0006	.0489	.0006	.0001	.0001	.0137
#2	.0011	.0004	7.476	.0004	.0493	.0007	.0003	.0000	.0136
#3	.0002	.0015	7.478	.0007	.0488	.0008	.0006	.0001	.0137
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2697.3	5184.6	41656.	4221.5					
Stddev	4.7	5.8	158.	41.1					
%RSD	.17461	.11274	.37879	.97323					
#1	2695.0	5189.2	41828.	4201.3					
#2	2702.7	5186.6	41620.	4194.5					
#3	2694.2	5178.0	41519.	4268.8					

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Sample Name: FA32638-2F Acquired: 4/5/2016 12:43:55 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.0441	.0002	.0965	.0000	1.283	.0000	.0001	.0004
Stddev	.000	.0063	.0002	.0008	.0001	.004	.0000	.0001	.0001
%RSD	876.7	14.28	83.69	.8794	198.3	.3485	367.9	149.5	18.69
#1	.0002	.0373	.0001	.0955	.0000	1.287	.0000	.0000	.0004
#2	.0001	.0454	.0005	.0972	.0001	1.279	.0000	.0001	.0003
#3	.0003	.0496	.0002	.0968	.0000	1.283	.0000	.0001	.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0058	.0087	2.289	5.029	.0135	.0012	5.017	.0025	.0003
Stddev	.0002	.0021	.040	.007	.0000	.0001	.028	.0001	.0004
%RSD	4.308	23.59	1.763	.1337	.0677	10.57	.5613	4.966	147.3
#1	.0056	.0111	2.246	5.023	.0135	.0013	4.990	.0023	.0007
#2	.0057	.0075	2.326	5.036	.0135	.0012	5.014	.0025	.0001
#3	.0060	.0076	2.295	5.027	.0135	.0011	5.046	.0026	.0000
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0000	.0000	2.327	.0003	.0285	.0009	.0003	.0000	.0393
Stddev	.0006	.000	.002	.0004	.0002	.0001	.0009	.0002	.0000
%RSD	8969.	672.7	.0867	116.0	.8134	15.50	266.7	699.5	.0984
#1	.0003	.0001	2.326	.0005	.0282	.0009	.0006	.0001	.0392
#2	.0004	.0001	2.329	.0005	.0285	.0007	.0003	.0002	.0393
#3	.0007	.0003	2.325	.0001	.0287	.0010	.0013	.0001	.0393
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2684.2	5208.0	41681.	4194.8					
Stddev	2.9	12.2	14.	14.9					
%RSD	.10810	.23353	.03318	.35338					
#1	2683.5	5210.8	41689.	4209.6					
#2	2687.3	5218.5	41665.	4179.8					
#3	2681.7	5194.7	41689.	4195.2					

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7.2
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Sample Name: FA32638-3F Acquired: 4/5/2016 12:48:19 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.0071	.0003	.0136	.0001	.9581	.0001	.0001	.0001
Stddev	.0002	.0035	.0008	.0001	.0001	.0020	.0000	.0001	.0001
%RSD	165.8	50.25	275.0	.5052	208.7	20.46	71.77	81.88	
#1	.0004	.0033	.0004	.0137	.0002	.9594	.0001	.0002	.0000
#2	.0000	.0076	.0005	.0135	.0000	.9558	.0001	.0002	.0002
#3	.0001	.0103	.0010	.0135	.0000	.9591	.0001	.0000	.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0012	.0107	1.162	1.018	.0023	.0012	1.006	.0001	.0000
Stddev	.0001	.0025	.037	.013	.0000	.0001	.015	.0001	.000
%RSD	11.25	22.96	3.197	1.259	1.255	11.15	1.464	65.70	1049.
#1	.0011	.0089	1.124	1.014	.0023	.0012	.9933	.0002	.0004
#2	.0010	.0135	1.163	1.009	.0023	.0013	1.022	.0000	.0002
#3	.0013	.0098	1.198	1.033	.0023	.0011	1.004	.0001	.0001
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0001	.0005	2.546	.0005	.0104	.0009	.0002	.0001	.0161
Stddev	.0009	.0015	.007	.0001	.0001	.0001	.0007	.0001	.0001
%RSD	753.4	291.4	.2953	19.58	1.221	9.345	323.5	174.9	.7097
#1	.0005	.0005	2.539	.0004	.0103	.0010	.0001	.0001	.0160
#2	.0003	.0020	2.546	.0006	.0106	.0009	.0003	.0002	.0162
#3	.0012	.0010	2.554	.0004	.0104	.0008	.0000	.0002	.0160
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2719.6	5219.9	41932.	4197.0					
Stddev	3.5	11.7	84.	12.0					
%RSD	.12753	.22377	.20037	.28579					
#1	2722.3	5232.0	41997.	4210.3					
#2	2715.7	5208.7	41837.	4187.0					
#3	2720.8	5219.1	41963.	4193.6					

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Sample Name: CCV Acquired: 4/5/2016 12:52:46 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.620	40.88	2.077	2.056	2.053	41.56	2.103	2.085	2.094
Stddev	.0001	.16	.006	.006	.002	.10	.001	.003	.005
%RSD	.0348	.3875	.3077	.2929	.1179	.2419	.0444	.1360	.2607
#1	.2620	40.72	2.071	2.049	2.052	41.46	2.102	2.082	2.096
#2	.2621	41.04	2.075	2.061	2.056	41.66	2.103	2.086	2.098
#3	.2619	40.89	2.084	2.057	2.052	41.58	2.104	2.088	2.088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.046	40.28	41.87	40.92	2.085	2.079	41.63	2.102	2.076
Stddev	.005	.14	.19	.08	.015	.005	.11	.002	.009

Sample Name: CCV Acquired: 4/5/2016 12:52:46 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2366.0	4962.1	3979.2	4124.0
Stddev	12.0	13.8	109.	7.0
%RSD	.50719	.27773	.27393	.16897
#1	2369.8	4976.7	39709.	4125.1
#2	2375.7	4960.3	39751.	4130.4
#3	2352.6	4949.3	39915.	4116.6

Sample Name: CCB Acquired: 4/5/2016 12:57:06 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.005	.0081	.0001	.0002	.0002	.0043	.0001	.0000	.0000
Stddev	.0006	.0077	.0006	.0003	.0001	.0021	.0000	.0001	.0001
%RSD	136.0	94.42	716.2	139.0	54.14	48.13	49.03	424.7	267.1
#1	-.0003	.0155	.0008	-.0001	.0001	.0022	.0001	.0001	.0001
#2	-.0012	-.0002	-.0004	-.0003	.0002	.0063	.0000	.0000	-.0001
#3	.0001	.0087	-.0001	.0004	.0001	.0045	.0000	-.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0004	.0012	-.0474	.0184	.0002	-.0002	.0213	.0001	.0000
Stddev	.0001	.0017	.0079	.0055	.0000	.0003	.0059	.0000	.0000
%RSD	34.02	141.4	16.73	30.10	3.948	166.9	27.44	44.67	132.1
#1	.0003	.0007	-.0401	.0157	.0002	.0002	.0196	.0001	.0000
#2	.0003	.0030	-.0463	.0148	.0002	-.0003	.0166	.0002	-.0001
#3	.0005	-.0002	-.0558	.0248	.0002	-.0004	.0279	.0001	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0003	-.0009	.0029	-.0002	.0003	-.0001	.0009	.0000	.0001
Stddev	.0005	.0006	.0014	.0001	.0000	.0001	.0010	.0000	.0000
%RSD	171.7	71.49	48.48	81.91	6.773	128.7	109.4	419.9	13.14
#1	-.0003	-.0010	.0022	.0000	.0003	.0000	.0018	.0000	.0001
#2	.0004	-.0014	.0019	-.0003	.0003	-.0001	-.0001	.0000	.0001
#3	.0007	-.0002	.0045	-.0002	.0003	-.0001	.0010	.0000	.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.2
7

Sample Name: CCB Acquired: 4/5/2016 12:57:06 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2719.5	5242.4	41699.	4157.4
Stddev	5.0	5.8	184.	29.8
%RSD	.18549	.11079	.44243	.71679
#1	2713.7	5248.9	41906.	4176.8
#2	2722.1	5240.9	41635.	4172.5
#3	2722.8	5237.6	41554.	4123.1

Sample Name: FA32638-4F Acquired: 4/5/2016 13:01:36 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-.0000	.0566	-.0001	.0581	.0000	4.359	.0000	-.0001	.0057
Stddev	.0006	.0081	.0012	.0003	.000	.021	.000	.0001	.0003
%RSD	2138.	14.23	2133.	4328	119.9	.4901	65.64	48.45	5.939
#1	-.0001	.0648	.0001	.0578	.0000	4.335	.0000	-.0002	.0061
#2	-.0007	.0487	.0010	.0583	-.0001	4.366	.0000	-.0001	.0057
#3	-.0005	.0563	-.0013	.0582	.0000	4.377	-.0001	-.0001	.0054

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.0034	-.0015	4.534	3.884	.0121	-.0009	F 96.23	.0011	-.0001
Stddev	.0003	.0026	.081	.035	.0000	.0002	.11	.0002	.0005
%RSD	7.798	176.2	1.786	.9083	.0486	17.22	.1186	18.85	924.3
#1	.0033	-.0036	4.456	3.914	.0121	-.0008	96.15	.0009	-.0005
#2	.0032	-.0024	4.529	3.845	.0121	-.0009	96.17	.0013	.0005
#3	.0037	.0015	4.618	3.894	.0121	-.0011	96.36	.0012	-.0001

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	-.0004	-.0002	4.534	.0001	.0346	-.0005	.0000	.0001	.0201
Stddev	.0004	.0012	.003	.0002	.0001	.0000	.0007	.0000	.0001
%RSD	94.60	643.5	.0690	433.8	.3655	2.133	2668.	31.82	.3495
#1	.0000	-.0004	4.531	.0002	.0346	-.0005	-.0001	.0000	.0201
#2	-.0008	.0011	4.536	.0002	.0345	-.0005	.0007	.0001	.0202
#3	-.0004	-.0012	4.536	-.0002	.0347	-.0005	-.0006	.0001	.0200

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2548.2	5241.1	41104.	4247.8
Stddev	11.0	10.0	154.	24.4
%RSD	.43288	.19135	.37540	.57452
#1	2553.5	5239.9	41007.	4239.7
#2	2535.5	5231.7	41282.	4275.2
#3	2555.5	5251.6	41022.	4228.5

Sample Name: FA32638-10F Acquired: 4/5/2016 13:06:03 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.038	-0.005	0.1296	0.000	6.131	0.000	-0.001	0.010
Stddev	0.002	0.090	0.002	0.006	0.00	0.022	0.000	0.001	0.003
%RSD	110.6	235.8	30.88	4.890	129.5	3.554	520.7	86.33	32.45
#1	-0.001	-0.063	-0.003	0.1289	0.000	6.114	0.000	-0.002	0.010
#2	-0.005	0.067	-0.006	0.1299	-0.001	6.156	0.000	-0.001	0.012
#3	-0.001	0.111	-0.006	0.1301	0.000	6.125	0.000	-0.001	0.006
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.014	-0.087	3.643	6.378	0.024	-0.012	18.17	0.007	-0.004
Stddev	0.001	0.023	0.040	0.048	0.000	0.001	0.05	0.000	0.004
%RSD	4.251	26.00	1.094	0.7545	1.995	5.795	0.2604	6.398	109.9
#1	0.014	-0.108	3.598	6.332	0.024	-0.013	18.12	0.007	-0.005
#2	0.014	-0.063	3.674	6.428	0.025	-0.012	18.21	0.006	-0.008
#3	0.015	-0.088	3.658	6.373	0.024	-0.011	18.20	0.007	0.001
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.002	0.024	3.949	-0.003	0.0689	-0.006	-0.006	0.000	0.150
Stddev	0.004	0.005	0.006	0.003	0.001	0.000	0.005	0.000	0.001
%RSD	240.3	21.92	0.1605	106.5	1.406	2.426	80.72	23290.	6922
#1	0.004	0.021	3.949	-0.005	0.0688	-0.006	-0.001	-0.002	0.150
#2	0.004	0.021	3.943	-0.005	0.0689	-0.006	-0.010	0.000	0.152
#3	-0.003	0.030	3.956	-0.001	0.0689	-0.006	-0.006	0.002	0.150
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2646.9	5208.6	4154.1	4174.1					
Stddev	5.3	3.1	240.	14.6					
%RSD	0.19965	0.05891	0.57706	0.34976					
#1	2646.3	5206.5	4178.9	4185.0					
#2	2652.4	5212.1	4152.5	4179.8					
#3	2641.9	5207.1	4131.0	4157.5					

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Sample Name: FA32638-11F Acquired: 4/5/2016 13:10:29 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	0.6596	0.011	0.0453	0.002	3.562	0.004	0.018	0.053
Stddev	0.003	0.043	0.004	0.003	0.001	0.18	0.000	0.000	0.001
%RSD	50.44	6573	41.00	5.735	20.82	4.961	3.454	0.7570	1.176
#1	-0.008	0.6547	0.006	0.0451	0.002	3.541	0.004	0.018	0.053
#2	-0.006	0.6616	0.011	0.0453	0.003	3.569	0.004	0.018	0.053
#3	-0.002	0.6626	0.015	0.0456	0.003	3.574	0.005	0.018	0.054
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.024	-0.043	4.907	12.43	0.021	-0.013	F 172.2	0.074	0.006
Stddev	0.002	0.008	0.044	0.09	0.001	0.001	3.7	0.002	0.008
%RSD	6.775	19.38	0.8978	0.7546	0.6687	9.857	2.121	2.212	124.7
#1	0.024	-0.039	4.859	12.39	0.022	-0.013	168.3	0.072	-0.001
#2	0.026	-0.037	4.918	12.37	0.022	-0.015	172.9	0.075	-0.006
#3	0.023	-0.052	4.945	12.54	0.020	-0.012	175.5	0.075	0.014
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.008	0.142	3.678	-0.004	0.0295	-0.007	-0.011	0.001	1.420
Stddev	0.002	0.010	0.04	0.003	0.002	0.000	0.006	0.001	0.008
%RSD	30.86	7.016	0.1076	63.29	0.7426	6.592	54.59	137.1	0.5496
#1	-0.008	0.153	3.674	-0.002	0.0292	-0.008	-0.011	0.001	1.416
#2	-0.005	0.140	3.679	-0.007	0.0295	-0.007	-0.018	-0.001	1.429
#3	-0.010	0.133	3.682	-0.004	0.0297	-0.008	-0.005	0.002	1.416
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2418.1	6217.8	4897.1	5146.5					
Stddev	3.9	3.8	65.	31.2					
%RSD	0.15984	0.06182	0.13208	0.60691					
#1	2419.8	6221.0	4893.6	5148.9					
#2	2420.8	6213.5	4893.0	5176.4					
#3	2413.7	6218.7	4904.5	5114.1					

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7.2
7

Sample Name: FA32638-12F Acquired: 4/5/2016 13:15:04 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.000	0.1446	-0.009	0.0211	0.000	0.7679	0.000	0.0051	0.080
Stddev	0.000	0.0147	0.001	0.003	0.000	0.055	0.000	0.001	0.003
%RSD	113.2	10.20	12.11	1.322	370.6	7.166	114.5	1.619	4.002
#1	-0.001	0.1532	-0.008	0.0213	0.000	0.7703	-0.001	0.052	0.079
#2	-0.001	0.1276	-0.009	0.0207	0.000	0.7718	0.000	0.050	0.084
#3	-0.001	0.1531	-0.010	0.0211	0.000	0.7616	0.000	0.051	0.078
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.023	0.091	3.362	1.737	0.0561	-0.014	F 127.2	0.0172	-0.006
Stddev	0.002	0.010	0.010	0.035	0.004	0.001	7	0.001	0.005
%RSD	7.013	11.05	0.2848	2.016	0.7021	8.878	0.5763	6.156	83.74
#1	0.025	0.103	3.369	1.770	0.0557	-0.014	127.9	0.0173	-0.009
#2	0.023	0.084	3.366	1.741	0.0565	-0.012	127.1	0.0171	-0.000
#3	0.022	0.088	3.351	1.701	0.0562	-0.014	126.5	0.0172	-0.010
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.003	0.030	2.779	-0.005	0.0072	-0.008	0.000	0.000	0.0457
Stddev	0.008	0.020	0.006	0.002	0.002	0.001	0.000	0.000	0.001
%RSD	292.5	67.56	0.2152	40.65	2.419	3.280	165.5	1027.	2.247
#1	-0.009	0.017	2.772	-0.005	0.0073	-0.008	-0.001	0.000	0.0456
#2	-0.007	0.053	2.783	-0.006	0.0070	-0.008	-0.005	0.000	0.0456
#3	-0.006	0.020	2.782	-0.003	0.0074	-0.008	0.005	-0.001	0.0458
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2512.6	5132.3	4020.4	4182.8					
Stddev	2.1	12.7	52.	47.6					
%RSD	0.08315	0.24730	0.13036	1.1370					
#1	2514.7	5146.7	4026.2	4135.3					
#2	2510.6	5127.6	40190.	4182.8					
#3	2512.5	5122.6	40160.	4230.4					

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Sample Name: FA32623-1 Acquired: 4/5/2016 13:19:31 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.084	0.189	0.033	-0.001	186.4	0.000	0.004	0.009
Stddev	0.002	0.005	0.009	0.003	0.000	0.5	0.000	0.001	0.003
%RSD	353.7	124.5	4.876	8.345	44.06	2533	100.5	1.544	27.02
#1	-0.002	0.177	0.192	0.030	-0.001	186.0	0.000	0.044	0.010
#2	-0.002	-0.030	0.178	0.035	0.000	186.9	0.000	0.044	0.006
#3	-0.002	0.107	0.195	0.035	-0.001	186.2	0.001	0.043	0.011
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In230

Sample Name: CCV Acquired: 4/5/2016 13:40:00 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2378.5	4964.8	39718.	4051.2
Stddev	3.0	7.0	178.	10.7
%RSD	.12745	.14056	.44823	.26501
#1	2377.0	4962.4	39627.	4041.9
#2	2381.9	4959.4	39603.	4048.8
#3	2376.4	4972.7	39923.	4063.0

Sample Name: CCB Acquired: 4/5/2016 13:44:20 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.001	0.019	0.003	0.001	0.001	0.082	0.001	0.001	-0.001
Stddev	.0004	.0049	.0005	.0002	.0000	.0020	.0000	.0000	.0001
%RSD	719.5	259.2	157.3	170.9	23.48	24.90	22.72	92.60	54.17
#1	.0004	.0059	.0009	.0002	.0001	.0060	.0001	.0001	-0.001
#2	-0.004	.0033	-0.001	-0.001	.0001	.0088	.0001	.0000	-0.001
#3	-0.002	-0.0035	.0002	.0003	.0001	.0099	.0001	.0002	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	0.001	0.023	0.025	0.029	0.001	-0.002	0.045	0.001	-0.001
Stddev	.0001	.0034	.0203	.0025	.0000	.0003	.0032	.0001	.0002
%RSD	78.83	149.0	38.71	9.948	12.82	135.6	6.824	143.9	114.4
#1	.0003	.0051	.0454	.0225	.0001	.0001	.0469	.0001	.0000
#2	.0000	-0.015	.0755	.0274	.0001	-0.002	.0495	.0001	-0.003
#3	.0001	.0032	.0367	.0247	.0001	-0.005	.0431	.0000	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	-0.002	0.002	0.029	-0.002	0.002	0.000	0.003	0.001	0.002
Stddev	.0012	.0020	.0003	.0004	.0001	.000	.0002	.0001	.0000
%RSD	605.5	894.5	11.67	263.6	29.97	309.5	75.44	78.76	26.04
#1	.0011	.0005	.0029	-0.002	.0003	.0000	.0000	.0001	.0002
#2	-0.006	-0.019	.0032	-0.006	.0002	.0000	.0004	.0000	.0001
#3	-0.011	.0021	.0025	.0003	.0001	-0.002	.0003	.0001	.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.2
7

Sample Name: CCB Acquired: 4/5/2016 13:44:20 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2703.2	5212.0	41450.	4153.3
Stddev	7.3	2.2	141.	14.2
%RSD	.27167	.04197	.33929	.34244
#1	2695.0	5211.9	41568.	4138.8
#2	2709.1	5214.2	41488.	4153.7
#3	2705.6	5209.9	41295.	4167.3

Sample Name: ICV Acquired: 4/5/2016 14:14:15 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	2.424	41.55	1.958	2.055	2.054	42.67	2.014	2.022	2.005
Stddev	.0004	.03	.002	.003	.004	.07	.001	.003	.005
%RSD	.1603	.0711	.0930	.1591	.1909	.1579	.0610	.1416	.2297
#1	.2429	41.55	1.959	2.052	2.051	42.71	2.014	2.021	2.007
#2	.2421	41.59	1.959	2.058	2.059	42.70	2.016	2.020	2.009
#3	.2423	41.53	1.956	2.057	2.052	42.59	2.013	2.026	2.000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	1.986	42.38	42.04	42.90	2.051	1.931	42.48	2.022	1.996
Stddev	.006	.09	.06	.23	.017	.003	.08	.001	.006
%RSD	.2874	.2222	.1473	.5352	.8079	.1328	.1980	.0558	.2891
#1	1.992	42.46	42.00	43.15	2.043	1.931	42.46	2.022	1.998
#2	1.980	42.41	42.11	42.84	2.040	1.929	42.58	2.024	2.001
#3	1.987	42.28	42.02	42.71	2.070	1.934	42.41	2.022	1.990

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	1.984	2.004	1.323	2.055	1.946	1.963	2.059	1.902	2.023
Stddev	.007	.004	.0009	.001	.003	.006	.007	.003	.007
%RSD	.3791	.2000	.6580	.0537	.1580	.3162	.3644	.1337	.3457
#1	1.982	2.001	.1328	2.054	1.944	1.969	2.054	1.904	2.025
#2	1.977	2.004	.1313	2.056	1.950	1.957	2.068	1.902	2.029
#3	1.992	2.009	.1329	2.055	1.945	1.963	2.055	1.899	2.015

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 4/5/2016 14:14:15 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2358.0	4970.8	39709.	4008.9
Stddev	3.0	5.8	138.	33.5
%RSD	.12814	.11635	.34674	.83661
#1	2360.8	4976.0	39551.	3970.2
#2	2354.8	4971.9	39774.	4027.0
#3	2358.3	4964.6	39802.	4029.4

Sample Name: CCV Acquired: 4/5/2016 14:20:26 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.2576	40.89	1.988	2.050	2.042	40.62	2.022	2.028	2.038
Stddev	.0009	.09	.005	.009	.004	.15	.003	.004	.001
%RSD	.3399	.2226	.2638	.4201	.2126	.3586	.1500	.1767	.0294
#1	.2585	40.92	1.994	2.053	2.043	40.62	2.025	2.031	2.039
#2	.2568	40.79	1.986	2.040	2.038	40.48	2.022	2.028	2.038
#3	.2576	40.96	1.984	2.056	2.046	40.77	2.019	2.024	2.038

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	2.028	40.23	40.38	41.33	2.016	2.030	40.43	2.010	2.001
Stddev	.005	.11	.25	.09	.017	.002	.18	.004	.003
%RSD	.2570	.2848	.6310	.2161	.8183	.0988	.4405	.1973	.1243
#1	2.030	40.20	40.38	41.28	2.034	2.029	40.43	2.015	2.000
#2	2.032	40.14	40.13	41.27	2.013	2.032	40.25	2.008	2.004
#3	2.022	40.36	40.64	41.43	2.002	2.029	40.61	2.008	1.999

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	1.990	2.002	2.267	2.045	2.022	2.023	2.013	2.016	2.004
Stddev	.001	.005	.003	.004	.007	.003	.001	.002	.007
%RSD	.0692	.2591	.1475	.1912	.3640	.1544	.0720	.0847	.3418
#1	1.989	2.005	2.271	2.050	2.027	2.027	2.013	2.017	2.012
#2	1.991	2.005	2.266	2.042	2.013	2.022	2.011	2.015	1.999
#3	1.989	1.996	2.265	2.044	2.025	2.022	2.014	2.018	2.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

7.2
7

Sample Name: CCV Acquired: 4/5/2016 14:20:26 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2368.5	5034.2	39999.	4050.2
Stddev	2.3	4.8	182.	23.1
%RSD	.09679	.09631	.45407	.56913
#1	2367.6	5032.1	39812.	4075.9
#2	2371.1	5039.7	40175.	4043.4
#3	2366.8	5030.8	40008.	4031.4

Sample Name: CCB Acquired: 4/5/2016 14:28:30 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0001	.0068	.0008	.0002	.0001	-.0003	.0001	.0000	.0000
Stddev	.0004	.0044	.0013	.0000	.0000	.0006	.0001	.0001	.0001
%RSD	289.2	64.70	158.4	29.14	38.94	187.4	38.65	309.9	312.6
#1	-.0002	.0025	-.0006	.0002	.0001	-.0005	.0002	.0000	.0002
#2	.0005	.0113	.0020	.0002	.0001	.0004	.0001	.0000	-.0001
#3	.0000	.0066	.0011	.0001	.0001	-.0009	.0001	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0004	.0035	.0240	.0120	.0001	.0007	-.0145	.0001	-.0002
Stddev	.0002	.0035	.0178	.0225	.0000	.0001	.0072	.0001	.0001
%RSD	54.11	100.5	74.26	187.1	35.57	13.16	49.83	59.61	34.32
#1	.0003	.0019	.0242	-.0137	.0001	.0006	-.0077	.0002	-.0002
#2	.0002	.0010	.0060	.0282	.0002	.0007	-.0137	.0001	-.0001
#3	.0006	.0075	.0416	.0217	.0002	.0007	-.0220	.0001	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0018	.0003	-.0006	.0003	.0001	.0005	.0004	.0001	.0001
Stddev	.0006	.0011	.0002	.0002	.0000	.0001	.0001	.0001	.0000
%RSD	35.07	388.4	30.10	88.19	18.40	17.98	25.60	92.41	18.58
#1	.0024	.0006	-.0008	.0005	.0001	.0006	.0003	.0003	.0001
#2	.0012	.0012	-.0004	.0004	.0001	.0005	.0005	.0001	.0001
#3	.0016	-.0009	-.0006	.0000	.0002	.0004	.0003	.0000	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/5/2016 14:28:30 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2715.8	5281.3	4152.3	4052.3
Stddev	5.2	5.7	254.	14.1
%RSD	.19241	.10763	.61071	.34723
#1	2718.5	5286.4	41742.	4036.0
#2	2709.8	5282.2	41583.	4060.2
#3	2719.2	5275.2	41245.	4060.6

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Sample Name: MP30207-MB1 Acquired: 4/5/2016 14:36:53 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0015	.0174	.0011	-.0003	.0001	.0351	.0001	-.0001	.0015
Stddev	.0007	.0044	.0020	.0006	.0003	.0107	.0001	.0004	.0004
%RSD	49.90	25.08	175.4	235.8	224.6	30.63	130.5	361.7	28.16
#1	.0009	.0181	-.0002	.0001	.0001	.0313	.0001	.0003	.0015
#2	.0023	.0214	.0034	.0001	.0005	.0472	.0001	-.0005	.0019
#3	.0012	.0128	.0002	-.0010	-.0001	.0267	.0000	-.0002	.0011

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0009	.0245	.0731	.0620	.0006	.0018	-.0398	.0003	-.0016
Stddev	.0013	.0014	.0865	.0363	.0001	.0001	.0146	.0011	.0009
%RSD	150.2	5.635	118.3	58.49	14.64	5.707	36.79	344.8	56.60
#1	.0019	.0259	.1406	.0925	.0005	.0018	-.0335	.0013	-.0011
#2	.0014	.0232	.1031	.0219	.0006	.0019	-.0293	.0005	-.0027
#3	-.0006	.0243	-.0244	.0717	.0007	.0017	-.0565	-.0009	-.0011

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0022	-.0036	.0077	F .0539	.0002	.0018	-.0002	-.0003	F .0310
Stddev	.0031	.0033	.0022	.0001	.0004	.0004	.0031	.0010	.0002
%RSD	142.6	91.75	28.72	.1336	248.1	21.03	1317.	351.8	.4950
#1	.0057	-.0074	.0095	.0538	.0006	.0021	-.0017	-.0013	.0311
#2	.0010	-.0022	.0082	.0539	.0001	.0018	-.0024	-.0002	.0310
#3	-.0002	-.0013	.0052	.0539	-.0002	.0014	.0033	.0007	.0308

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail
 High Limit .0250
 Low Limit -.0250

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7.2
7

Sample Name: MP30207-MB1 Acquired: 4/5/2016 14:36:53 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2708.5	5363.3	4229.4	4136.2
Stddev	1.2	1.9	416.	17.0
%RSD	.04364	.03518	.98421	.41020
#1	2707.5	5365.3	41921.	4154.3
#2	2709.8	5361.6	42743.	4133.5
#3	2708.3	5362.9	42216.	4120.7

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Sample Name: MP30207-B1 Acquired: 4/5/2016 14:41:24 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0442	28.66	1.867	2.022	.0515	26.44	.0498	.5020	.2049
Stddev	.0018	.10	.005	.008	.0004	.08	.0002	.0006	.0015
%RSD	4.149	.3586	.2754	.4134	.6854	.3125	.4954	.1155	.7415
#1	.0463	28.76	1.871	2.031	.0511	26.50	.0500	.5019	.2057
#2	.0430	28.56	1.870	2.016	.0516	26.35	.0495	.5026	.2031
#3	.0434	28.67	1.862	2.017	.0518	26.48	.0498	.5014	.2058

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.2568	28.02	25.99	27.27	.5271	.4968	26.18	.5039	.4734
Stddev	.0019	.07	.06	.20	.0016	.0008	.08	.0012	.0024
%RSD	.7540	.2401	.2293	.7358	.3009	.1513	.3027	.2407	.5098
#1	.2550	28.08	26.01	27.28	.5279	.4968	26.19	.5042	.4729
#2	.2567	27.95	25.92	27.06	.5253	.4961	26.10	.5049	.4713
#3	.2588	28.02	26.02	27.46	.5280	.4976	26.26	.5026	.4760

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.4642	1.888	.0203	.5675	.4976	.5098	1.926	.4748	.5330
Stddev	.0025	.016	.0010	.0013	.0019	.0029	.013	.0021	.0021
%RSD	.5303	.8228	4.866	.2344	.3795	.5750	.6517	.4427	.3858
#1	.4671	1.890	.0200	.5686	.4997	.5105	1.919	.4766	.5307
#2	.4628	1.902	.0196	.5677	.4961	.5065	1.919	.4753	.5347
#3	.4628	1.871	.0214	.5660	.4970	.5123	1.941	.4725	.5337

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: MP30207-B1 Acquired: 4/5/2016 14:41:24 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2676.5	5366.2	4187.8	4089.9
Stddev	6.9	1.5	250.	22.2
%RSD	.25964	.02881	.59778	.54386

#1	2676.5	5367.3	4180.1	4074.9
#2	2683.5	5367.0	4215.8	4115.5
#3	2669.6	5364.4	4167.6	4079.5

Sample Name: FA31671-1 Acquired: 4/5/2016 14:45:43 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0009	310.2	.0515	2.666	.0091	51.55	-.0014	.0820	4.843
Stddev	.0012	.3	.0016	.009	.0003	.17	.0002	.0003	.0022
%RSD	128.9	.0869	3.072	.3368	3.253	.3282	13.51	.3880	.4452

#1	.0023	310.3	.0508	2.675	.0093	51.38	-.0013	.0820	4.830
#2	.0005	309.9	.0533	2.666	.0093	51.72	-.0014	.0817	4.831
#3	.0000	310.4	.0504	2.657	.0088	51.56	-.0017	.0824	4.868

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	3.256	262.0	20.41	26.32	6.683	.0135	2.463	.2815	3.168
Stddev	.010	.5	.15	.14	.006	.0007	.038	.0006	.010
%RSD	.2965	.1752	.7165	.5495	.0832	5.473	1.548	.2023	.3196

#1	3.247	261.5	20.53	26.19	6.682	.0143	2.502	.2822	3.167
#2	3.266	262.0	20.45	26.29	6.677	.0133	2.426	.2812	3.179
#3	3.255	262.4	20.25	26.47	6.688	.0129	2.461	.2811	3.159

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0110	.0023	3.157	.0420	.7968	8.716	.0024	.6039	.5519
Stddev	.0014	.0094	.009	.0009	.0001	.005	.0028	.0016	.0013
%RSD	12.73	417.4	.2899	2.250	.0173	.0635	118.0	.2660	.2337

#1	.0098	.0098	3.155	.0413	.7967	8.720	.0006	.6054	.5505
#2	.0106	-.0083	3.149	.0417	.7968	8.718	.0009	.6039	.5529
#3	.0125	.0054	3.167	.0431	.7970	8.710	.0056	.6022	.5524

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2630.5	5506.1	4305.9	4232.1
Stddev	2.2	14.0	98.	26.7
%RSD	.08191	.25419	.22866	.63124

#1	2632.5	5515.8	4301.6	4243.6
#2	2628.2	5512.5	4317.2	4201.5
#3	2630.7	5490.0	4299.0	4251.1

7.2
7

Sample Name: MP30207-D1 Acquired: 4/5/2016 14:50:04 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0003	297.0	.0479	2.492	.0086	48.18	-.0015	.0773	4.586
Stddev	.0013	.8	.0034	.016	.0004	.13	.0001	.0001	.0016
%RSD	382.5	.2572	7.183	.6557	4.160	.2755	7.496	.1418	.3586

#1	-.0003	296.4	.0441	2.478	.0089	48.11	-.0014	.0774	4.579
#2	.0018	297.9	.0508	2.510	.0087	48.34	-.0016	.0772	4.574
#3	-.0005	296.8	.0489	2.488	.0082	48.11	-.0014	.0774	4.605

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.026	245.4	19.61	24.51	6.142	.0131	2.568	.2713	2.953
Stddev	.007	.6	.11	.16	.036	.0005	.037	.0004	.009
%RSD	.2340	.2534	.5513	.6601	.5861	3.635	1.444	.1543	.2926

#1	3.027	245.0	19.57	24.34	6.151	.0132	2.578	.2711	2.961
#2	3.032	246.2	19.53	24.67	6.103	.0127	2.527	.2709	2.943
#3	3.018	245.2	19.73	24.52	6.173	.0136	2.600	.2717	2.954

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0058	-.0003	3.976	.0395	.7390	8.880	-.0025	.5677	.5418
Stddev	.0053	.0097	.006	.0022	.0026	.029	.0033	.0033	.0069
%RSD	91.54	303.6	.1448	5.627	.3492	.3305	131.7	.5842	1.278

#1	.0016	.0031	3.983	.0387	.7386	8.877	-.0044	.5675	.5348
#2	.0118	-.0113	3.973	.0378	.7418	8.852	-.0045	.5646	.5421
#3	.0040	.0072	3.973	.0421	.7367	8.911	.0013	.5712	.5486

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2611.1	5467.6	4294.0	4265.5
Stddev	4.6	2.2	191.	10.6
%RSD	.17767	.04055	.44478	.24793

#1	2609.2	5466.4	4300.2	4277.3
#2	2607.7	5466.3	4309.3	4256.8
#3	2616.4	5470.2	4272.6	4262.5

Sample Name: MP30207-D2 Acquired: 4/5/2016 14:54:24 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0009	304.2	.0465	2.575	.0088	49.67	-.0017	.0785	4.749
Stddev	.0016	.9	.0033	.011	.0002	.16	.0002	.0010	.0018
%RSD	186.5	.2956	7.103	.4346	2.477	.3149	9.831	1.257	.3861

#1	.0010	303.2	.0458	2.562	.0086	49.50	-.0017	.0774	4.764
#2	-.0017	304.9	.0501	2.582	.0088	49.81	-.0018	.0793	4.754
#3	-.0018	304.5	.0436	2.581	.0091	49.71	-.0015	.0788	4.728

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.120	253.3	19.71	25.43	6.375	.0120	2.343	.2757	3.122
Stddev	.009	.6	.11	.06	.005	.0008	.022	.0002	.006
%RSD	.2851	.2339	.5679	.2390	.0822	6.841	.9493	.0847	.2080

#1	3.112	252.6	19.70	25.42	6.381	.0124	2.318	.2757	3.118
#2	3.129	253.6	19.82	25.50	6.372	.0126	2.351	.2755	3.118
#3	3.118	253.7	19.60	25.37	6.373	.0111	2.361	.2760	3.130

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0121	-.0014	3.963	.0417	.7598	8.857	.0017	.5823	.5335
Stddev	.0039	.0033	.010	.0015	.0036	.005	.0068	.0016	.0008
%RSD	31.85	243.9	.2452	3.556	.4702	.0529	414.3	.2752	.1526

#1	.0077	-.0051	3.954	.0423	.7557	8.858	.0053	.5823	.5326
#2	.0144	-.0013	3.973	.0428	.7626	8.852	.0059	.5838	.5341
#3	.0143	-.0003	3.960	.0400	.7609	8.861	-.0062	.5806	.5337

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2633.7	5508.7	4296.9	4257.4
Stddev	5.5	5.3	60.	11.0
%RSD	.21012	.09637	.13981	.25725

#1	2630.1	5505.9	4302.8	4255.0
#2	2640.1	5514.8	4290.8	4269.4
#3	2630.9	5505.3	4297.2	4247.9

Sample Name: MP30207-SD1 Acquired: 4/5/2016 14:58:43 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0042	410.6	.0670	3.243	.0107	54.83	-.0025	.0937	.6326
Stddev	.0027	3.4	.0032	.020	.0016	.37	.0017	.0011	.0721
%RSD	534.4	.8265	4.777	.6161	15.00	.6687	70.54	1.123	11.40
#1	.0283	412.8	.0646	3.263	.0100	55.19	-.0013	.0949	.6205
#2	.0012	412.3	.0707	3.243	.0126	54.46	-.0016	.0933	.7100
#3	-.0168	406.7	.0658	3.223	.0096	54.83	-.0044	.0929	.5673
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.275	279.1	38.50	30.74	6.950	.0152	16.81	.3559	3.102
Stddev	.007	.5	.35	.15	.009	.0010	1.37	.0071	.013
%RSD	.2213	.1970	.9074	.4877	.1245	6.723	8.141	2.002	.4231
#1	3.275	279.8	38.86	30.73	6.952	.0141	17.01	.3561	3.087
#2	3.268	279.0	38.48	30.90	6.941	.0161	18.07	.3486	3.113
#3	3.282	278.7	38.17	30.60	6.958	.0155	15.35	.3629	3.106
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0355	.0134	258.7	.0489	.8900	15.21	.0050	.6632	.7722
Stddev	.0069	.0518	5.4	.0041	.0054	.15	.0076	.0104	.0042
%RSD	19.56	386.1	2.086	8.356	.6042	1.002	153.3	1.568	.5421
#1	.0275	.0093	262.8	.0508	.8957	15.29	.0133	.6642	.7711
#2	.0396	.0671	260.6	.0517	.8851	15.32	-.0014	.6731	.7768
#3	.0394	-.0362	252.6	.0442	.8891	15.04	.0029	.6524	.7686
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2701.7	5431.9	42299.	4117.7					
Stddev	2.2	12.5	51.	23.5					
%RSD	.07962	.22982	.12157	.57063					
#1	2703.5	5417.5	42325.	4097.6					
#2	2702.1	5437.6	42240.	4143.6					
#3	2699.3	5440.4	42334.	4112.0					

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Sample Name: MP30207-PS1 Acquired: 4/5/2016 15:03:06 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0461	316.8	.1490	2.964	.0600	57.19	.0478	.1327	.5441
Stddev	.0017	.4	.0016	.014	.0004	.02	.0003	.0006	.0002
%RSD	3.719	.1280	1.094	.4709	.6043	.0379	.7078	.4370	.0284
#1	.0463	317.0	.1498	2.949	.0604	57.19	.0481	.1326	.5440
#2	.0444	316.3	.1471	2.968	.0598	57.17	.0479	.1321	.5440
#3	.0478	317.1	.1501	2.976	.0598	57.21	.0474	.1333	.5443
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.414	268.1	30.54	31.57	6.852	.1109	12.42	.3825	3.275
Stddev	.014	.2	.05	.14	.017	.0010	.02	.0010	.003
%RSD	.4175	.0576	.1533	.4458	.2514	.8678	.1967	.2703	.0977
#1	3.404	268.0	30.58	31.67	6.835	.1119	12.44	.3836	3.274
#2	3.430	268.3	30.55	31.63	6.850	.1100	12.43	.3821	3.273
#3	3.407	268.2	30.49	31.41	6.870	.1108	12.40	.3817	3.279
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1124	.0961	3.335	.0918	.8533	8.984	.0918	.6604	.7992
Stddev	.0028	.0043	.002	.0019	.0045	.022	.0067	.0027	.0019
%RSD	2.528	4.504	.0722	2.093	.5239	.2489	7.332	.4106	.2407
#1	.1092	.0938	3.336	.0902	.8493	8.958	.0924	.6581	.8012
#2	.1131	.0934	3.332	.0912	.8526	8.995	.0982	.6597	.7974
#3	.1148	.1011	3.336	.0939	.8581	8.998	.0848	.6634	.7990
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2612.1	5508.2	42721.	4221.9					
Stddev	1.1	11.3	76.	37.2					
%RSD	.04122	.20598	.17892	.88097					
#1	2612.5	5504.6	42801.	4180.2					
#2	2612.9	5521.0	42714.	4251.7					
#3	2610.8	5499.2	42648.	4233.7					

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7.2
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Sample Name: MP30207-S1 Acquired: 4/5/2016 15:07:25 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0476	387.4	1.911	4.943	.0642	80.91	.0497	.6039	.7309
Stddev	.0013	.5	.007	.009	.0004	.03	.0004	.0013	.0015
%RSD	2.645	.1361	.3885	.1831	.6483	.0417	.8692	.2215	.2059
#1	.0490	388.0	1.904	4.937	.0638	80.94	.0501	.6040	.7292
#2	.0466	387.1	1.918	4.939	.0642	80.88	.0492	.6051	.7320
#3	.0472	387.1	1.909	4.953	.0646	80.92	.0497	.6024	.7314
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.618	300.8	48.21	56.27	7.272	.4837	30.20	.8358	3.763
Stddev	.004	.3	.13	.31	.011	.0010	.08	.0034	.012
%RSD	.1186	.1113	.2603	.5492	.1485	.2069	.2722	.4026	.3231
#1	3.622	300.5	48.33	56.50	7.260	.4828	30.20	.8387	3.765
#2	3.613	300.7	48.08	55.92	7.279	.4836	30.12	.8366	3.773
#3	3.618	301.2	48.22	56.39	7.277	.4848	30.29	.8321	3.749
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1626	1.939	4.669	.5434	1.333	9.922	2.042	1.117	1.091
Stddev	.0033	.013	.011	.0023	.003	.008	.010	.004	.002
%RSD	2.025	.6589	.2326	.4258	.2296	.0814	.4697	.3808	.1648
#1	.1607	1.953	4.677	.5434	1.330	9.913	2.034	1.116	1.091
#2	.1607	1.930	4.674	.5458	1.336	9.929	2.053	1.122	1.092
#3	.1664	1.934	4.657	.5412	1.333	9.924	2.039	1.114	1.089
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2567.1	5498.2	42918.	4287.3					
Stddev	6.6	9.2	174.	29.2					
%RSD	.25872	.16770	.40632	.68187					
#1	2568.5	5494.2	43114.	4254.6					
#2	2559.9	5491.8	42780.	4310.9					
#3	2573.0	5508.8	42861.	4296.4					

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Sample Name: MP30207-S2 Acquired: 4/5/2016 15:11:42 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0450	374.8	1.799	4.732	.0607	78.03	.0465	.5717	.6951
Stddev	.0014	.23	.007	.037	.0001	.03	.0004	.0007	.0012
%RSD	3.014	.6056	.3746	.7805	.1338	.4715	.9444	.1305	.1747
#1	.0466	377.4	1.795	4.775	.0608	78.45	.0460	.5723	.6943
#2	.0443	373.4	1.795	4.709	.0606	77.80	.0465	.5709	.6965
#3	.0441	373.5	1.807	4.713	.0607	77.83	.0468	.5720	.6946
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.503	291.7	45.78	54.63	7.039	.4576	29.04	.7913	3.624
Stddev	.008	.18	.12	.21	.013	.0008	.13	.0017	.002
%RSD	.2196	.6307	.2676	.3873	.1835	.1686	.4342	.2113	.0638
#1	3.496	293.8	45.92	54.87	7.045	.4573	29.19	.7895	3.626
#2	3.511	291.0	45.69	54.53	7.049	.4570	28.99	.7919	3.625
#3	3.501	290.4	45.72	54.48	7.025	.4585	28.95	.7926	3.622
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)				

Sample Name: FA31671-5 Acquired: 4/5/2016 15:15:59 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	.0002	202.1	.0427	.7439	.0054	16.73	-.0026	.0436	.3793
Stddev	.0010	.4	.0031	.0013	.0002	.03	.0002	.0006	.0016
%RSD	488.6	.1878	7.199	.1691	3.531	.1522	7.711	1.444	.4292
#1	.0003	202.1	.0436	.7426	.0052	16.70	-.0027	.0436	.3809
#2	-.0008	202.5	.0452	.7443	.0055	16.74	-.0028	.0429	.3777
#3	.0011	201.7	.0392	.7450	.0055	16.74	-.0024	.0442	.3793
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1298	190.4	16.65	18.83	1.216	.0102	2.114	.1721	.6157
Stddev	.0006	.2	.04	.36	.0004	.0002	.048	.0020	.0044
%RSD	.4966	.0843	.2519	1.937	.3111	2.282	2.246	1.163	.7167
#1	.1295	190.4	16.70	19.20	1.214	.0102	2.150	.1744	.6205
#2	.1293	190.5	16.62	18.48	1.213	.0105	2.132	.1713	.6145
#3	.1305	190.2	16.63	18.80	1.220	.0100	2.060	.1707	.6119
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0068	.0058	3.528	.0369	.2583	8.323	.0038	.4757	.1806
Stddev	.0049	.0088	.009	.0017	.0018	.019	.0061	.0007	.0006
%RSD	71.16	151.8	.2667	4.672	.6781	.2287	162.4	.1492	.3073
#1	.0077	.0114	3.528	.0373	.2566	8.305	.0038	.4763	.1812
#2	.0112	-.0043	3.538	.0351	.2601	8.320	-.0024	.4749	.1802
#3	.0016	.0102	3.519	.0385	.2582	8.343	.0099	.4757	.1804
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2671.2	5460.3	42608.	4158.8					
Stddev	1.6	2.2	341.	11.5					
%RSD	.06043	.04052	.80077	.27583					
#1	2672.6	5458.2	42792.	4148.9					
#2	2671.7	5462.6	42818.	4156.2					
#3	2669.5	5460.2	42214.	4171.4					

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Sample Name: CCV Acquired: 4/5/2016 15:20:19 Type: QC
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2561	40.70	1.929	2.049	2.007	39.85	1.985	2.005	2.011
Stddev	.0008	.13	.004	.006	.007	.18	.001	.002	.004
%RSD	.3040	.3232	.2095	.2829	.3529	.4457	.0257	.0990	.1755
#1	.2553	40.84	1.926	2.053	2.014	40.03	1.985	2.003	2.010
#2	.2568	40.67	1.927	2.052	2.006	39.84	1.985	2.005	2.015
#3	.2561	40.58	1.934	2.042	2.000	39.67	1.986	2.007	2.008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.016	39.74	39.74	41.47	1.978	2.005	40.13	1.958	1.979
Stddev	.009	.13	.07	.14	.009	.004	.18	.002	.003
%RSD	.4208	.3192	.1818	.3443	.4742	.2000	.4586	.0949	.1360
#1	2.007	39.88	39.77	41.60	1.989	2.002	40.26	1.956	1.977
#2	2.016	39.71	39.80	41.31	1.975	2.005	40.21	1.959	1.978
#3	2.024	39.63	39.66	41.48	1.970	2.010	39.92	1.959	1.982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.940	1.958	2.213	2.030	1.975	1.975	1.982	1.971	1.942
Stddev	.003	.008	.002	.003	.009	.004	.006	.004	.003
%RSD	.1642	.4169	.0757	.1619	.4285	.1950	.3133	.2027	.1360
#1	1.937	1.949	2.211	2.027	1.981	1.971	1.982	1.970	1.945
#2	1.940	1.965	2.213	2.029	1.978	1.977	1.976	1.976	1.942
#3	1.943	1.961	2.215	2.033	1.965	1.978	1.988	1.968	1.939
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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7.2
7

Sample Name: CCV Acquired: 4/5/2016 15:20:19 Type: QC
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2398.0	5154.6	40829.	4052.3
Stddev	6.6	11.5	56.	12.1
%RSD	.27590	.22275	.13631	.29949
#1	2402.9	5166.6	40770.	4038.4
#2	2400.6	5153.2	40836.	4060.9
#3	2390.5	5143.8	40881.	4057.6

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Sample Name: CCB Acquired: 4/5/2016 15:24:39 Type: QC
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0125	.0017	.0003	.0004	.0030	.0002	.0001	.0001
Stddev	.0006	.0075	.0004	.0002	.0001	.0055	.0001	.0001	.0001
%RSD	1294.	59.48	26.05	53.03	37.68	181.2	37.67	59.64	48.98
#1	-.0007	.0144	.0012	.0002	.0005	.0082	.0002	.0000	.0002
#2	.0003	.0043	.0017	.0005	.0003	.0035	.0002	.0001	.0002
#3	.0005	.0189	.0021	.0003	.0003	-.0027	.0001	.0001	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0144	.0363	.0178	.0002	F .0013	-.0258	.0000	.0003
Stddev	.0001	.0023	.0133	.0071	.0000	.0003	.0035	.0000	.0004
%RSD	36.99	15.81	36.70	39.96	13.30	26.14	13.70	36.12	134.9
#1	.0001	.0169	.0461	.0123	.0003	.0017	-.0288	.0001	-.0002
#2	.0002	.0136	.0416	.0153	.0002	.0012	-.0268	.0000	.0004
#3	.0003	.0126	.0211	.0258	.0002	.0011	-.0219	.0001	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-.0010			
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	-.0001	-.0001	.0004	.0002	.0011	.0001	.0002	.0002
Stddev	.0006	.0004	.0001	.0002	.0001	.0001	.0009	.0002	.0000
%RSD	35.70	476.2	68.70	57.24	36.81	7.898	850.0	75.87	15.48
#1	.0024	-.0003	-.0002	.0003	.0003	.0011	-.0005	.0004	.0002
#2	.0012	.0004	-.0001	.0002	.0003	.0011	.0011	.0002	.0003
#3	.0015	-.0003	-.0001	.0007	.0001	.0010	-.0003	.0001	.0002
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 4/5/2016 15:24:39 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2719.9	5377.8	42195.	4090.9
Stddev	4.0	12.0	74.	43.9
%RSD	.14612	.22384	.17501	1.0735

#1	2718.4	5373.4	42144.	4043.4
#2	2717.0	5368.5	42279.	4130.0
#3	2724.4	5391.4	42160.	4099.3

Sample Name: FA31671-8 Acquired: 4/5/2016 15:29:10 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	311.8	.0545	1.968	.0088	53.57	-.0015	.0761	.4845
Stddev	.0015	.3	.0056	.004	.0001	.21	.0004	.0001	.0014
%RSD	1367.	.0919	10.24	.2108	1.242	.3958	26.70	.1539	.2870

#1	-.0017	311.9	.0608	1.971	.0089	53.74	-.0016	.0760	.4861
#2	.0001	311.9	.0503	1.970	.0087	53.33	-.0019	.0761	.4836
#3	.0013	311.4	.0523	1.963	.0087	53.63	-.0011	.0762	.4838

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.777	248.8	22.45	33.24	4.175	.0142	2.404	.3091	2.184
Stddev	.010	.4	.18	.02	.012	.0010	.045	.0020	.018
%RSD	.2762	.1483	.7967	.0601	.2822	6.725	1.860	.6402	.8319

#1	3.784	249.2	22.34	33.22	4.178	.0152	2.369	.3085	2.167
#2	3.782	248.6	22.65	33.23	4.184	.0142	2.388	.3075	2.181
#3	3.765	248.6	22.35	33.26	4.162	.0133	2.454	.3113	2.203

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0098	.0084	3.906	.0400	.8039	9.101	-.0002	.5297	.6778
Stddev	.0004	.0065	.004	.0008	.0027	.019	.0053	.0026	.0033
%RSD	4.077	77.80	.1027	1.941	.3368	.2097	2375.	.4822	.4910

#1	.0096	.0155	3.903	.0407	.8059	9.115	.0047	.5311	.6753
#2	.0095	.0028	3.903	.0392	.8049	9.109	-.0059	.5267	.6766
#3	.0103	.0068	3.910	.0402	.8008	9.079	.0005	.5312	.6816

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2627.9	5480.2	42854.	4221.5
Stddev	6.1	14.8	160.	20.8
%RSD	.23382	.26995	.37277	.49180

#1	2631.1	5489.8	42674.	4207.7
#2	2631.9	5487.5	42910.	4245.4
#3	2620.9	5463.1	42978.	4211.5

7.2
7

Sample Name: FA31671-11 Acquired: 4/5/2016 15:33:30 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0006	327.1	.0571	2.417	.0099	76.19	-.0016	.0873	.5150
Stddev	.0015	2.3	.0020	.015	.0002	.34	.0001	.0000	.0053
%RSD	268.2	.6910	3.528	.6252	2.363	.4460	7.561	.0482	1.033

#1	.0006	329.0	.0587	2.425	.0098	76.26	-.0015	.0873	.5206
#2	.0020	324.6	.0578	2.400	.0096	75.83	-.0017	.0873	.5144
#3	-.0010	327.6	.0549	2.426	.0101	76.50	-.0016	.0874	.5100

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5754	271.4	25.40	31.61	6.522	.0124	2.326	.3082	1.217
Stddev	.0015	1.3	.38	.30	.011	.0003	.030	.0005	.010
%RSD	.2664	.4614	1.513	.9424	.1632	2.080	1.292	.1702	.8203

#1	.5743	272.4	25.73	31.94	6.526	.0122	2.299	.3085	1.216
#2	.5748	270.0	25.50	31.36	6.509	.0127	2.322	.3076	1.227
#3	.5772	271.8	24.98	31.53	6.529	.0124	2.358	.3086	1.207

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0019	.0020	4.037	.0368	.6580	10.13	-.0056	.6024	.3745
Stddev	.0043	.0019	.014	.0002	.0024	.01	.0017	.0038	.0004
%RSD	232.4	93.24	.3453	.5362	.3592	.0646	29.46	.6271	.1049

#1	.0031	.0001	4.037	.0369	.6594	10.14	-.0043	.6061	.3741
#2	-.0047	.0038	4.024	.0369	.6553	10.12	-.0052	.6025	.3748
#3	-.0040	.0021	4.051	.0365	.6593	10.13	-.0075	.5985	.3747

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2613.0	5537.1	43143.	4257.2
Stddev	8.2	2.6	63.	36.4
%RSD	.31526	.04784	.14487	.85495

#1	2615.3	5540.1	43091.	4219.1
#2	2603.8	5535.0	43212.	4291.6
#3	2619.7	5536.2	43125.	4261.1

Sample Name: FA31671-15 Acquired: 4/5/2016 15:37:52 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0001	280.5	.0528	2.515	.0080	79.48	-.0017	.0735	.4499
Stddev	.0004	.4	.0008	.007	.0002	.39	.0002	.0003	.0014
%RSD	292.6	.1497	1.550	.2729	2.181	.4874	10.23	.4648	.3187

#1	.0003	280.7	.0533	2.518	.0080	79.04	-.0015	.0735	.4499
#2	-.0004	280.8	.0533	2.520	.0078	79.74	-.0018	.0731	.4485
#3	-.0002	280.1	.0519	2.507	.0081	79.68	-.0019	.0738	.4514

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3701	235.0	21.05	32.82	3.650	.0123	2.557	.2770	2.051
Stddev	.0019	.5	.23	.21	.002	.0006	.028	.0003	.006
%RSD	.5068	.2141	1.089	.6394	.0636	5.139	1.103	.1134	.3139

#1	.3718	234.6	20.89	32.62	3.648	.0128	2.533	.2768	2.044
#2	.3681	235.0	21.31	33.03	3.650	.0126	2.588	.2774	2.056
#3	.3703	235.6	20.95	32.80	3.652	.0116	2.549	.2769	2.052

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0026	.0038	2.973	.0416	1.121	8.387	-.0012	.5191	.4085
Stddev	.0035	.0063	.008	.0005	.003	.005	.0004	.0019	.0014
%RSD	134.7	164.3	.2554	1.221	.2646	.0625	31.32	.3604	.3447

#1	.0036	.0025	2.967	.0416	1.118	8.386	-.0015	.5200	.4095
#2	.0054	.0107	2.971	.0421	1.124	8.392	-.0014	.5170	.4069
#3	-.0013	-.0017	2.982	.0411	1.120	8.382	-.0008	.5204	.4092

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2612.0	5516.5	43091.	4177.7
Stddev	1.1	3.9	129.	17.3
%RSD	.04369	.07150	.30026	.41447

#1	2613.3	5518.7	42956.	4194.8
#2	2611.0	5512.0	43105.	4160.2
#3	2611.8	5518.9	43214.	4178.2

Sample Name: FA31671-18 Acquired: 4/5/2016 15:42:13 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0004	358.0	.0524	3.501	.0107	44.66	-.0019	.0930	.5300
Stddev	.0022	.5	.0029	.002	.0004	.11	.0002	.0007	.0015
%RSD	537.5	.1457	5.592	.0499	3.607	.2398	10.01	.8025	.2808
#1	-.0003	357.4	.0558	3.500	.0111	44.54	-.0020	.0936	.5308
#2	.0028	358.2	.0513	3.500	.0104	44.72	-.0016	.0922	.5308
#3	-.0013	358.4	.0502	3.503	.0106	44.73	-.0019	.0932	.5282
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(In2306)
Avg	3.277	288.0	19.14	28.31	8.414	.0135	2.377	3.262	1.210
Stddev	.012	.3	.15	.12	.025	.0004	.026	.0004	.005
%RSD	.3619	.1212	.7823	.4326	.2908	3.167	1.108	.1344	.3914
#1	3.291	287.7	18.98	28.18	8.388	.0134	2.400	.3259	1.204
#2	3.269	288.4	19.27	28.34	8.437	.0139	2.348	.3267	1.212
#3	3.272	288.0	19.18	28.42	8.417	.0131	2.382	.3259	1.213
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0035	.0074	4.133	.0361	.7484	9.341	.0009	.6363	.4941
Stddev	.0022	.0092	.004	.0008	.0022	.010	.0041	.0011	.0024
%RSD	62.13	124.7	.0948	2.114	.2980	1.082	474.8	1.685	.4878
#1	.0057	.0147	4.136	.0354	.7491	9.329	.0019	.6364	.4920
#2	.0037	-.0030	4.129	.0369	.7459	9.345	-.0037	.6373	.4936
#3	.0013	.0104	4.135	.0360	.7502	9.348	.0044	.6352	.4967
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2610.9	5596.3	43577.	4294.1					
Stddev	8.3	6.7	223.	14.1					
%RSD	.31937	.11916	.51132	.32733					
#1	2620.5	5603.4	43832.	4296.7					
#2	2607.2	5595.2	43417.	4278.9					
#3	2605.1	5590.2	43483.	4306.6					

Sample Name: FA31671-22 Acquired: 4/5/2016 15:46:32 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0013	289.3	.0443	1.340	.0086	12.32	-.0029	.0744	.4804
Stddev	.0023	1.1	.0029	.007	.0003	.03	.0001	.0006	.0022
%RSD	178.2	.3787	6.585	.5414	3.404	.2137	4.895	.7674	.4547
#1	-.0039	289.1	.0414	1.333	.0083	12.35	-.0027	.0748	.4797
#2	.0002	290.6	.0473	1.348	.0089	12.30	-.0030	.0746	.4828
#3	-.0001	288.4	.0443	1.339	.0085	12.31	-.0030	.0738	.4786
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(In2306)
Avg	.2627	236.8	20.11	28.35	1.738	.0099	2.055	.3026	.8023
Stddev	.0016	.8	.15	.35	.010	.0003	.035	.0004	.0015
%RSD	.6211	.3266	.7624	1.239	.5512	3.248	1.676	.1194	.1913
#1	.2615	236.1	19.94	28.00	1.727	.0103	2.048	.3022	.8033
#2	.2622	237.6	20.23	28.71	1.746	.0098	2.025	.3029	.8006
#3	.2646	236.6	20.17	28.34	1.741	.0097	2.093	.3028	.8031
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-.0005	-.0027	3.264	.0390	.1588	8.855	-.0014	.5120	.2946
Stddev	.0020	.0073	.006	.0008	.0007	.047	.0026	.0039	.0005
%RSD	421.1	273.4	.2001	1.940	.4616	5.346	184.2	.7549	.1633
#1	.0018	-.0054	3.257	.0395	.1594	8.800	-.0042	.5108	.2941
#2	-.0013	-.0081	3.270	.0393	.1591	8.878	-.0010	.5164	.2950
#3	-.0019	.0056	3.265	.0381	.1580	8.886	.0009	.5090	.2948
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2649.4	5522.9	42903.	4197.1					
Stddev	2.8	2.7	152.	31.7					
%RSD	.10622	.04812	.35508	.75635					
#1	2649.5	5525.8	43040.	4190.4					
#2	2652.1	5522.1	42739.	4169.3					
#3	2646.5	5520.7	42931.	4231.7					

Sample Name: FA31671-24 Acquired: 4/5/2016 15:50:52 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0020	289.8	.0439	1.410	.0085	16.06	-.0031	.0747	.4745
Stddev	.0008	.7	.0012	.006	.0003	.03	.0003	.0004	.0018
%RSD	39.09	.2464	2.625	.4182	3.012	20.30	9.636	.4711	.3739
#1	-.0024	269.4	.0452	1.416	.0084	16.03	-.0028	.0744	.4754
#2	-.0024	269.5	.0430	1.411	.0088	16.05	-.0033	.0751	.4724
#3	-.0011	270.6	.0436	1.404	.0083	16.09	-.0032	.0745	.4756
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(In2306)
Avg	.6770	224.8	20.07	28.39	1.687	.0086	2.148	.2878	1.048
Stddev	.0011	.8	.13	.10	.000	.0005	.017	.0012	.005
%RSD	.1663	.3649	.6337	.3405	.0084	5.964	.8012	.4004	.4992
#1	.6774	224.3	20.20	28.37	1.687	.0089	2.128	.2891	1.053
#2	.6778	224.3	19.95	28.31	1.687	.0080	2.161	.2868	1.046
#3	.6757	225.7	20.05	28.50	1.687	.0088	2.153	.2875	1.043
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0021	-.0067	3.293	.0354	.2106	8.588	-.0072	.4889	.3492
Stddev	.0025	.0064	.006	.0017	.0006	.005	.0033	.0006	.0003
%RSD	118.7	95.37	.1756	4.699	.2777	.0593	45.63	.1210	.0821
#1	.0027	-.0141	3.291	.0355	.2105	8.585	-.0077	.4891	.3491
#2	-.0006	-.0029	3.288	.0371	.2102	8.586	-.0037	.4882	.3495
#3	.0044	-.0031	3.299	.0337	.2113	8.594	-.0102	.4893	.3489
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2646.5	5532.7	42846.	4170.1					
Stddev	5.4	7.3	62.	22.7					
%RSD	.20542	.13219	.14432	.54319					
#1	2647.1	5524.5	42781.	4180.1					
#2	2651.7	5534.9	42852.	4186.1					
#3	2640.8	5538.6	42905.	4144.2					

Sample Name: FA31671-26 Acquired: 4/5/2016 15:55:14 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0017	258.8	.0408	1.649	.0073	49.63	-.0020	.0651	.4371
Stddev	.0024	.4	.0033	.005	.0002	.14	.0003	.0002	.0032
%RSD	141.7	.1678	8.072	.3082	2.406	28.13	13.03	.3690	.7300
#1	.0007	258.3	.0425	1.650	.0073	49.47	-.0017	.0648	.4361
#2	-.0040	259.1	.0429	1.643	.0074	49.72	-.0021	.0651	.4407
#3	-.0017	258.9	.0370	1.653	.0071	49.70	-.0021	.0653	.4346
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(In2306)
Avg	1.659	229.3	18.84	22.42	4.656	.0108	2.499	2.394	3.819
Stddev	.002	.4	.20	.15	.006	.0008	.032	.0008	.023
%RSD	.1344	.1954	1.056	.6664	.1265	7.759	1.265	.3152	.6040
#1	1.658	228.8	18.63	22.31	4.649	.0110	2.464	.2401	3.793
#2	1.657	229.3	19.03	22.59	4.660	.0114	2.512	.2386	3.837
#3	1.661	229.7	18.85	2					

Sample Name: FA31671-29 Acquired: 4/5/2016 15:59:35 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	308.1	.0520	2.297	.0086	43.24	-.0020	.0842	.4899
Stddev	.0008	1.1	.0035	.013	.0003	.25	.0005	.0004	.0003
%RSD	650.8	.3407	6.744	.5433	3.730	.5737	23.03	.4333	.0698
#1	.0008	307.9	.0529	2.300	.0083	43.01	-.0019	.0845	.4900
#2	-.0007	307.1	.0481	2.283	.0086	43.20	-.0016	.0843	.4895
#3	.0003	309.2	.0549	2.307	.0089	43.50	-.0025	.0838	.4902
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4887	256.4	20.98	30.05	4.438	0.126	2.680	.2733	1.823
Stddev	.0021	.9	.11	.35	.004	.0007	.025	.0006	.004
%RSD	.4282	.3345	.5181	1.169	.0981	5.817	.9129	.2048	.2339
#1	.4866	255.6	20.94	29.64	4.438	.0118	2.658	.2735	1.821
#2	.4907	256.3	20.90	30.25	4.443	.0128	2.675	.2727	1.828
#3	.4888	257.3	21.10	30.25	4.434	.0132	2.706	.2737	1.821
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0082	-.0055	3.860	.0426	5.467	9.614	-.0006	.5882	-.3868
Stddev	.0006	.0022	.004	.0010	.0024	.011	.0074	.0002	.0008
%RSD	7.461	40.06	.1141	2.399	.4412	.1187	13.14	.0267	.2191
#1	.0075	-.0073	3.865	.0421	.5450	9.618	.0079	.5883	-.3871
#2	.0088	-.0059	3.857	.0420	.5455	9.622	-.0058	.5883	-.3859
#3	.0083	-.0031	3.859	.0438	.5494	9.601	-.0039	.5881	-.3875
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2637.2	5578.7	43478.	4230.0					
Stddev	6.8	18.4	167.	46.6					
%RSD	.25900	.32931	.38338	1.1010					
#1	2636.4	5568.6	43362.	4281.9					
#2	2630.7	5567.5	43403.	4216.3					
#3	2644.3	5599.9	43669.	4191.9					

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Sample Name: FA31671-33 Acquired: 4/5/2016 16:03:57 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0010	290.8	.0490	1.727	.0079	37.93	.0089	.0697	.4629
Stddev	.0014	.5	.0005	.006	.0003	.12	.0002	.0007	.0038
%RSD	144.3	.1802	1.079	.3399	3.811	.3159	2.521	.9702	.8232
#1	.0025	290.4	.0492	1.721	.0078	38.04	.0092	.0699	.4630
#2	-.0007	291.4	.0495	1.732	.0083	37.96	.0088	.0689	.4591
#3	-.0003	290.6	.0485	1.729	.0077	37.80	.0088	.0702	.4667
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5264	233.6	21.83	30.28	3.512	0.106	2.287	.2838	1.9269
Stddev	.0030	.4	.08	.07	.022	.0008	.036	.0017	.0044
%RSD	.5773	.1531	.3461	.2273	.6175	7.580	1.574	.5871	.4799
#1	.5229	233.3	21.74	30.34	3.506	.0106	2.288	.2857	.9302
#2	.5284	234.0	21.88	30.20	3.494	.0115	2.251	.2825	.9219
#3	.5278	233.5	21.87	30.29	3.536	.0099	2.323	.2831	.9288
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0043	-.0019	3.727	.0381	.4614	9.210	.0020	.5008	3.568
Stddev	.0038	.0028	.008	.0011	.0010	.039	.0003	.0040	.015
%RSD	90.14	443.7	.2139	2.786	.2221	4.209	14.77	.7922	.4154
#1	.0065	.0071	3.735	.0372	.4603	9.182	.0017	.4963	3.573
#2	-.0002	-.0091	3.726	.0377	.4623	9.194	.0019	.5036	3.552
#3	.0065	-.0036	3.719	.0393	.4617	9.254	.0023	.5026	3.580
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2652.1	5538.3	42746.	4159.6					
Stddev	1.4	13.1	147.	19.8					
%RSD	.05458	.23678	.34308	.47505					
#1	2650.7	5523.2	42748.	4163.1					
#2	2653.6	5546.1	42891.	4177.3					
#3	2652.0	5545.7	42598.	4138.3					

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7.2
7

Sample Name: FA31671-38 Acquired: 4/5/2016 16:08:17 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0009	488.5	.0681	6.145	.0140	116.7	-.0006	.1311	.8907
Stddev	.0027	1.4	.0046	.018	.0003	.2	.0003	.0012	.0023
%RSD	294.2	.2932	6.737	.2935	2.303	2046	49.16	.9158	.3322
#1	-.0017	489.9	.0694	6.165	.0142	116.7	-.0004	.1302	.8899
#2	.0037	488.4	.0720	6.130	.0142	116.4	-.0010	.1306	.8888
#3	.0008	487.0	.0630	6.140	.0137	116.9	-.0005	.1325	.8932
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4216	376.9	29.36	46.33	13.39	0.143	3.960	.4838	1.174
Stddev	.0020	1.0	.26	.17	.12	.0007	.055	.0018	.000
%RSD	.4681	.2525	.8790	.3723	.9270	4.627	1.398	.3706	.0255
#1	.4237	377.6	29.38	46.39	13.52	.0140	3.897	.4820	1.174
#2	.4198	377.3	29.61	46.13	13.27	.0150	3.991	.4840	1.175
#3	.4213	375.8	29.10	46.46	13.37	.0137	3.994	.4856	1.175
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0054	-.0007	4.214	.0363	1.617	12.23	-.0019	.8187	.4145
Stddev	.0042	.0077	.006	.0016	.001	.02	.0063	.0025	.0013
%RSD	77.13	107.1	.1487	4.339	.0454	.1696	340.5	.3014	.3082
#1	.0031	.0066	4.207	.0354	1.616	12.25	-.0044	.8189	.4130
#2	.0029	-.0087	4.214	.0382	1.618	12.21	.0053	.8162	.4152
#3	.0102	-.0001	4.219	.0355	1.617	12.22	-.0064	.8211	.4152
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2593.6	5643.0	43645.	4226.7					
Stddev	1.8	3.9	56.	40.9					
%RSD	.06843	.06949	.12721	.96860					
#1	2591.9	5639.4	43709.	4185.5					
#2	2595.4	5647.2	43614.	4227.0					
#3	2593.4	5642.4	43611.	4267.4					

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Sample Name: CCV Acquired: 4/5/2016 16:12:45 Type: QC
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2573	41.50	1.933	2.097	2.033	40.27	1.983	2.009	2.033
Stddev	.0002	.17	.003	.006	.004	.05	.003	.003	.005
%RSD	.0931	.4128	.1603	.2763	.2120	.1216	.1602	.1571	.2310
#1	.2575	41.41	1.934	2.093	2.036	40.25	1.981	2.007	2.031
#2	.2572	41.39	1.934	2.094	2.028	40.23	1.986	2.012	2.031
#3	.2571	41.70	1.929	2.104	2.034	40.32	1.981	2.006	2.039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.041	40.40	40.10	42.39	1.985	2.010	40.58	1.952	1.986
Stddev	.002	.10	.12	.10	.007	.002	.12	.005	.006
%RSD	.1012	.2374	.2869	.2384	.3577	.1051	.3057	.2582	.30

Sample Name: CCV Acquired: 4/5/2016 16:12:45 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2399.0	5185.3	4039.4	4015.3
Stddev	2.1	11.9	176.	20.3
%RSD	.08687	.22993	.43681	.50596
#1	2396.8	5185.0	40532.	4031.7
#2	2401.0	5173.6	40454.	4021.6
#3	2399.2	5197.4	40195.	3992.6

Sample Name: CCB Acquired: 4/5/2016 16:17:05 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.002	0.080	0.014	0.001	0.003	0.036	0.001	0.002	0.002
Stddev	.0002	.0029	.0005	.0004	.0000	.0013	.0000	.0002	.0001
%RSD	83.04	36.07	34.80	352.5	8.895	35.57	37.74	93.91	45.78
#1	-0.004	0.050	0.019	0.001	0.003	0.050	0.001	0.003	0.001
#2	-0.000	0.107	0.013	0.006	0.003	0.024	0.001	0.001	0.002
#3	-0.002	0.082	0.009	-0.003	0.003	0.036	0.002	0.000	0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	0.002	0.157	0.067	0.135	0.002	F_0.012	-0.261	0.001	0.000
Stddev	.0003	.0026	.0317	.0177	.0000	.0003	.0068	.0001	.0002
%RSD	172.5	16.43	475.8	131.1	17.93	23.52	26.18	115.1	862.7
#1	.0003	.0186	.0153	.0200	.0002	.0015	-.0245	.0001	.0001
#2	.0005	.0148	.0331	-.0065	.0002	.0012	-.0202	.0000	.0002
#3	-0.0002	.0137	-.0284	.0269	.0002	.0010	-.0336	.0002	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	0.0016	0.0000	-0.0004	0.0002	0.0003	0.011	-0.001	0.002	0.002
Stddev	.0003	.001	.0002	.0002	.0001	.0000	.0016	.0000	.0001
%RSD	21.61	84.18	58.30	109.1	37.92	3.752	1368.	19.79	30.07
#1	.0019	.0004	-0.0001	.0001	.0004	.0011	.0013	.0001	.0001
#2	.0012	.0006	-0.0004	.0004	.0002	.0011	-.0018	.0002	.0002
#3	.0015	-.0010	-0.0005	.0000	.0002	.0010	.0001	.0002	.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.2
7

Sample Name: CCB Acquired: 4/5/2016 16:17:05 Type: QC
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2729.8	5401.8	41919.	4043.2
Stddev	2.9	4.1	160.	23.2
%RSD	.10485	.07587	.38165	.57392
#1	2727.3	5405.7	41836.	4033.9
#2	2729.1	5397.5	41817.	4026.0
#3	2732.9	5402.2	42103.	4069.6

Sample Name: FA31672-1 Acquired: 4/5/2016 16:21:37 Type: Unk
 Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_3710)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-0.002	119.9	0.386	3.554	0.038	11.11	-0.018	0.339	3.069
Stddev	.0024	.2	.0008	.0015	.0004	.05	.0002	.0005	.0009
%RSD	106.1	.1598	1.944	4.281	9.551	4.584	10.50	1.459	2.914
#1	.0002	120.1	.0394	3.538	.0038	11.13	-.0017	.0335	.3070
#2	-.0045	119.7	.0385	3.557	.0041	11.05	-.0016	.0344	.3078
#3	-0.0023	119.9	.0379	3.568	.0034	11.14	-.0020	.0337	.3060

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_2243)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.1311	134.2	14.65	13.16	7.487	0.082	1.506	1.081	3.642
Stddev	.0009	.3	.23	.07	.0020	.0011	.008	.0009	.0037
%RSD	.6739	.2027	1.592	5.053	.2689	13.07	.5322	.8176	1.016
#1	.1301	134.4	14.67	13.19	.7469	.0094	1.515	1.083	.3599
#2	.1314	133.9	14.40	13.08	.7482	.0080	1.506	1.089	.3659
#3	.1318	134.4	14.87	13.20	.7509	.0073	1.499	1.072	.3667

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	0.0034	-0.0003	2.974	0.351	1.296	6.820	0.025	3.323	1.668
Stddev	.0030	.0021	.003	.0009	.0007	.012	.0021	.0016	.0006
%RSD	86.15	633.7	.0984	2.451	.5328	.1734	82.19	.4690	.3328
#1	.0060	.0006	2.976	.0356	1.303	6.807	.0031	3.337	1.662
#2	.0002	-.0028	2.976	.0356	1.296	6.830	.0002	3.307	1.673
#3	.0041	.0012	2.971	.0341	1.290	6.823	.0042	3.326	1.668

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2683.0	5474.0	42354.	4082.1
Stddev	8.6	6.0	177.	30.9
%RSD	.31888	.11006	.41737	.75784
#1	2692.1	5474.0	42514.	4077.6
#2	2681.6	5480.1	42382.	4115.0
#3	2675.2	5468.0	42164.	4053.6

Sample Name: FA31672-5 Acquired: 4/5/2016 16:25:59 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.011	212.5	.0562	.9637	.0070	13.34	-0.028	.0651	.4371
Stddev	.0006	.7	.0042	.0082	.0002	.08	.0002	.0003	.0012
%RSD	56.37	.3521	7.527	.8494	3.005	.5640	8.917	.4204	.2797
#1	-.0018	212.3	.0515	.9576	.0071	13.31	-.0025	.0651	.4357
#2	-.0006	213.4	.0576	.9730	.0073	13.43	-.0028	.0648	.4379
#3	-.0008	211.9	.0596	.9605	.0068	13.29	-.0030	.0653	.4376
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.9365	201.3	17.55	23.04	1.278	.0091	2.565	.1902	1.896
Stddev	.0045	.9	.11	.12	.008	.0003	.026	.0009	.002
%RSD	.4853	.4247	.6300	.5097	.5974	3.001	1.030	.4555	.0805
#1	.9313	200.8	17.64	23.06	1.269	.0094	2.575	.1906	1.896
#2	.9384	202.3	17.43	23.15	1.283	.0090	2.585	.1909	1.897
#3	.9398	200.8	17.59	22.92	1.281	.0089	2.535	.1893	1.894
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0033	-0.002	2.892	.0392	.1567	8.825	.0008	.4607	.3314
Stddev	.0054	.0119	.012	.0021	.0004	.039	.0060	.0010	.0003
%RSD	161.9	551.4	4.234	5.254	2.866	4.384	784.0	2.247	.0918
#1	.0008	-.0008	2.879	.0370	.1567	8.781	.0064	.4598	.3314
#2	-.0004	-.0118	2.892	.0411	.1572	8.841	.0014	.4605	.3311
#3	.0095	.0119	2.904	.0396	.1563	8.853	-.0056	.4618	.3317
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2660.0	5601.6	43229.	4162.3					
Stddev	1.9	1.7	232.	45.7					
%RSD	.07145	.03111	.53607	1.0987					
#1	2662.2	5603.6	43495.	4167.1					
#2	2659.1	5601.0	43072.	4114.4					
#3	2658.7	5600.3	43119.	4205.5					

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Sample Name: FA31672-6 Acquired: 4/5/2016 16:30:20 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0031	212.3	.0509	.9783	.0070	11.73	-0.029	.0643	.4288
Stddev	.0013	.7	.0011	.0020	.0001	.05	.0002	.0004	.0027
%RSD	41.80	.3155	2.167	.1996	1.151	.4500	5.691	.5573	.6209
#1	-.0045	212.1	.0522	.9774	.0069	11.78	-.0030	.0642	.4259
#2	-.0018	213.0	.0502	.9771	.0071	11.67	-.0030	.0647	.4311
#3	-.0031	211.6	.0503	.9806	.0071	11.73	-.0027	.0640	.4294
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	1.216	195.0	16.78	23.04	1.086	.0083	2.574	.1893	1.339
Stddev	.006	.4	.13	.08	.003	.0006	.022	.0006	.008
%RSD	.4611	.1925	.7446	.3381	.2852	7.540	.8469	.3106	.6069
#1	1.210	194.8	16.65	23.07	1.087	.0081	2.572	.1886	1.330
#2	1.217	195.4	16.89	22.95	1.089	.0078	2.597	.1894	1.342
#3	1.221	194.8	16.82	23.10	1.083	.0090	2.553	.1898	1.346
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0039	.0018	3.115	.0523	.1452	8.577	-.0015	.4392	.3518
Stddev	.0025	.0069	.007	.0012	.0002	.009	.0018	.0015	.0023
%RSD	63.93	390.9	.2308	2.204	.1254	.1077	115.9	.3383	.6496
#1	.0010	.0017	3.106	.0510	.1452	8.574	.0005	.4387	.3497
#2	.0056	-.0051	3.117	.0531	.1451	8.587	-.0023	.4408	.3515
#3	.0052	.0087	3.120	.0528	.1454	8.570	-.0027	.4379	.3543
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2663.4	5602.5	43131.	4189.2					
Stddev	6.7	14.8	201.	35.8					
%RSD	.25097	.26474	.46501	.85536					
#1	2670.6	5619.0	43028.	4147.9					
#2	2662.3	5598.4	43002.	4207.2					
#3	2657.3	5590.2	43362.	4212.5					

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Sample Name: FA31672-9 Acquired: 4/5/2016 16:34:39 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0019	415.2	.0558	4.262	.0119	95.91	-0.023	.1056	.5887
Stddev	.0015	1.3	.0050	.008	.0004	.22	.0001	.0005	.0012
%RSD	81.25	.3076	8.962	.1810	3.164	2.280	3.683	.4806	.2123
#1	-.0035	415.9	.0556	4.262	.0115	95.95	-.0024	.1061	.5901
#2	-.0005	415.9	.0609	4.270	.0122	96.11	-.0022	.1055	.5877
#3	-.0016	413.7	.0509	4.255	.0120	95.68	-.0023	.1051	.5882
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.7109	325.2	20.73	37.52	10.09	.0136	3.201	.3936	1.003
Stddev	.0022	1.2	.14	.23	.05	.0004	.034	.0008	.002
%RSD	.3026	.3686	.6580	.6219	.5049	2.612	1.073	.1986	.1639
#1	.7111	326.2	20.76	37.61	10.11	.0134	3.201	.3930	1.001
#2	.7087	325.6	20.86	37.70	10.13	.0140	3.236	.3945	1.004
#3	.7130	323.9	20.59	37.26	10.04	.0134	3.167	.3934	1.004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0004	.0069	4.129	.0363	1.221	10.83	-.0005	.7151	.3491
Stddev	.0022	.0056	.019	.0004	.002	.01	.0037	.0018	.0014
%RSD	518.9	81.60	.4596	1.208	.1674	.0540	765.8	.2562	.4142
#1	-.0021	.0091	4.109	.0361	1.220	10.83	-.0030	.7156	.3475
#2	.0020	.0005	4.132	.0361	1.223	10.83	-.0022	.7130	.3494
#3	-.0011	.0110	4.147	.0368	1.219	10.84	.0038	.7165	.3503
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2616.1	5623.1	43612.	4217.3					
Stddev	7.2	3.3	27.	49.3					
%RSD	.27633	.05922	.06087	1.1699					
#1	2614.2	5622.5	43642.	4181.3					
#2	2624.1	5626.7	43601.	4197.1					
#3	2610.0	5620.1	43592.	4273.6					

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Sample Name: FA31672-12 Acquired: 4/5/2016 16:39:08 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0020	244.6	.0633	1.347	.0074	34.75	-0.032	.0806	.5127
Stddev	.0016	.2	.0053	.005	.0001	.09	.0001	.0006	.0012
%RSD	80.44	.0672	8.443	.3676	1.969	25.44	3.405	.7275	.2325
#1	-.0009	244.8	.0695	1.349	.0073	34.66	-.0031	.0812	.5129
#2	-.0011	244.5	.0606	1.342	.0074	34.75	-.0031	.0801	.5115
#3	-.0038	244.6	.0598	1.351	.0076	34.83	-.0033	.0806	.5138
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.3751	243.0	22.30	25.94	2.440	.0113	2.390	.2283	1.376
Stddev	.0021	.0	.16	.12	.011	.0008	.036	.0008	.001
%RSD	.5540	.0122	.7393	.4812	.4647	7.204	1.524	.3654	.1031
#1	.3737	243.0	22.13	25.86	2.443	.0114	2.36		

Sample Name: FA31672-15 Acquired: 4/5/2016 16:43:28 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0003	340.1	.0487	2.107	.0094	33.32	-.0024	.0753	.4994
Stddev	.0005	2.1	.0030	.009	.0004	.09	.0002	.0007	.0020
%RSD	150.0	.6049	6.262	.4383	4.121	.2768	10.47	.9670	.4092
#1	.0009	338.7	.0509	2.097	.0097	33.33	-.0021	.0749	.4987
#2	-.0001	339.0	.0452	2.116	.0095	33.23	-.0026	.0748	.5018
#3	.0002	342.4	.0500	2.107	.0090	33.41	-.0025	.0761	.4979
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.746	261.3	21.44	31.75	4.782	.0110	2.336	.3253	2.085
Stddev	.010	1.5	.06	.35	.030	.0012	.052	.0026	.008
%RSD	.3670	.5889	.2668	1.095	.6371	11.20	2.235	.8069	.3740
#1	2.755	260.5	21.48	31.73	4.749	.0099	2.359	.3225	2.080
#2	2.748	260.4	21.46	31.42	4.808	.0123	2.373	.3257	2.094
#3	2.735	263.1	21.37	32.11	4.789	.0108	2.276	.3277	2.082
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(In2306)
Avg	.0083	-.0013	3.463	.0366	.5461	9.176	.0015	.5289	.5058
Stddev	.0039	.0023	.016	.0019	.0022	.035	.0048	.0010	.0018
%RSD	46.83	173.6	.4469	5.077	.4065	.3863	317.9	.1959	.3521
#1	.0076	.0005	3.450	.0387	.5453	9.141	-.0024	.5293	.5041
#2	.0049	-.0039	3.460	.0354	.5444	9.212	.0000	.5297	.5057
#3	.0126	-.0005	3.480	.0357	.5486	9.176	.0069	.5277	.5077
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2610.4	5479.9	42477.	4123.9					
Stddev	9.6	16.4	299.	35.5					
%RSD	.36730	.29989	.70319	.85993					
#1	2620.6	5497.3	42775.	4151.7					
#2	2601.5	5477.9	42178.	4136.1					
#3	2609.2	5464.6	42477.	4084.0					

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Sample Name: CRIA Acquired: 4/5/2016 16:47:46 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0092	.2371	.0106	.2202	.0054	1.110	.0054	.0544	.0111
Stddev	.0002	.0046	.0005	.0005	.0001	.002	.0000	.0001	.0003
%RSD	2.393	1.958	4.335	.2056	1.561	.1804	.2623	.2186	2.915
#1	.0095	.2378	.0104	.2202	.0054	1.110	.0054	.0544	.0114
#2	.0092	.2413	.0103	.2198	.0054	1.111	.0054	.0545	.0111
#3	.0090	.2321	.0111	.2207	.0053	1.107	.0054	.0542	.0107
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0276	.3483	10.57	5.660	.0167	.0508	10.73	.0430	.0044
Stddev	.0001	.0035	.03	.039	.0000	.0001	.02	.0002	.0003
%RSD	.2752	1.016	.2611	.6946	.1009	.1871	.1557	.3894	7.441
#1	.0275	.3462	10.54	5.692	.0167	.0508	10.71	.0431	.0047
#2	.0276	.3524	10.60	5.672	.0167	.0508	10.74	.0428	.0046
#3	.0277	.3464	10.57	5.616	.0167	.0509	10.73	.0431	.0041
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0054	.0104	.0314	.0546	.0106	.0108	.0102	.0503	.0230
Stddev	.0006	.0010	.0004	.0003	.0000	.0000	.0007	.0000	.0001
%RSD	10.40	9.489	1.239	.5117	.3219	.3290	6.523	.0872	.5347
#1	.0058	.0112	.0319	.0544	.0106	.0108	.0095	.0503	.0230
#2	.0055	.0107	.0311	.0549	.0106	.0108	.0105	.0503	.0228
#3	.0047	.0093	.0314	.0547	.0106	.0109	.0107	.0504	.0230
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2666.3	5398.2	41966.	4088.1					
Stddev	4.1	1.7	93.	25.3					
%RSD	.15342	.03238	.22117	.61917					
#1	2671.0	5398.4	42028.	4080.3					
#2	2664.2	5399.8	41860.	4067.6					
#3	2663.7	5396.3	42011.	4116.4					

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7.2
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Sample Name: ICSA Acquired: 4/5/2016 16:52:09 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Avg	-.0001	F 502.3	.0005	.0000	.0000	472.4	-.0011	-.0002
Stddev	.0004	1.8	.0011	.000	.000	4.9	.0001	.0001
%RSD	705.3	.3631	228.5	454.0	191.9	1.027	7.736	46.46
#1	.0001	502.7	.0008	-.0002	.0000	472.4	-.0010	-.0003
#2	-.0005	500.4	-.0008	.0002	.0000	477.3	-.0012	-.0001
#3	.0002	504.0	.0014	.0000	-.0001	467.6	-.0012	-.0002
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.0002	-.0004	183.6	.0816	F 525.8	-.0003	.0013	.1177
Stddev	.0000	.0001	.6	.0458	1.5	.0000	.0004	.0067
%RSD	20.98	29.81	.3240	56.11	.2771	8.478	32.56	5.735
#1	.0002	-.0003	183.5	.0341	525.0	-.0003	.0009	.1123
#2	.0003	-.0005	184.3	.0853	527.5	-.0003	.0013	.1155
#3	.0002	-.0003	183.2	.1254	525.0	-.0003	.0017	.1253
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.0004	F -.0056	.0000	.0017	.0660	.0013	.0001	.0003
Stddev	.0001	.0012	.001	.0028	.0010	.0004	.0001	.0001
%RSD	13.33	21.12	8345.	163.5	1.497	28.50	61.02	23.17
#1	.0004	-.0069	.0000	.0017	.0667	.0010	.0000	.0003
#2	.0005	-.0050	.0012	-.0011	.0649	.0017	.0001	.0002
#3	.0004	-.0048	-.0012	.0044	.0666	.0012	.0002	.0003
Elem	Tl1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	-.0013	.0006	-.0031					
Stddev	.0027	.0002	.0001					
%RSD	213.3	26.54	2.050					
#1	-.0044	.0007	-.0032					
#2	.0003	.0007	-.0031					
#3	.0003	.0004	-.0031					

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Sample Name: ICSA Acquired: 4/5/2016 16:52:09 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2171.4	4808.4	36877.	3791.4
Stddev	2.7	16.5	276.	20.1
%RSD	.12271	.34342	.74810	.53027
#1	2168.8	4789.4	37004.	3799.3
#2	2171.3	4819.1	36560.	3768.6
#3	2174.2	4816.9	37066.	3806.4

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Sample Name: ICSAB Acquired: 4/5/2016 16:56:47 Type: Unk
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F 1.013	F 512.7	1.036	.5169	.4956	474.4	.9131	4.614	4.980
Stddev	.004	2.9	.003	.0020	.0019	5.9	.0008	.0002	.0014
%RSD	.3516	.5636	.2611	.3947	.3750	1.248	.0841	.0523	.2858
#1	1.013	510.2	1.034	.5146	.4937	476.5	.9125	4.612	4.978
#2	1.010	515.8	1.036	.5184	.4974	479.0	.9127	4.614	4.968
#3	1.017	512.0	1.039	.5178	.4956	467.7	.9139	4.617	4.996

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5369	184.2	.0392	F 535.0	.4908	.9273	.1157	.9021	.9226
Stddev	.0013	.4	.0346	1.2	.0030	.0016	.0021	.0006	.0025
%RSD	.2347	.2099	88.18	.2196	.6048	.1756	1.808	.0684	.2754
#1	.5378	183.8	.0761	533.7	.4921	.9256	.1135	9.014	.9218
#2	.5355	184.6	.0339	535.5	.4874	.9273	.1177	9.024	.9205
#3	.5375	184.0	.0076	535.9	.4929	.9289	.1159	9.026	.9254

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	9810	9855	.1127	.9345	.9895	.9824	.9320	.4535	.8913
Stddev	.0021	.0042	.0015	.0021	.0036	.0037	.0025	.0014	.0011
%RSD	.2178	.4269	1.322	.2194	.3605	.3788	.2672	.3168	.1217
#1	.9788	.9816	.1117	.9323	.9865	.9839	.9338	4.530	.8921
#2	.9813	.9899	.1119	.9350	.9934	.9782	.9330	4.523	.8900
#3	.9830	.9850	.1144	.9363	.9885	.9852	.9291	4.551	.8917

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2130.9	4779.5	36577.	3759.1
Stddev	1.7	8.1	281.	7.6
%RSD	.07984	.16880	.76759	.20336
#1	2132.8	4783.9	36537.	3757.3
#2	2129.7	4770.2	36876.	3767.5
#3	2130.1	4784.4	36318.	3752.6

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Sample Name: CCV Acquired: 4/5/2016 17:01:15 Type: QC
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2565	41.28	1.929	2.081	2.021	40.00	1.979	2.005	2.022
Stddev	.0008	.11	.001	.010	.004	.03	.004	.003	.002
%RSD	.3118	.2755	.0743	.4595	.2024	.0849	.1780	.1519	.1182
#1	.2567	41.23	1.929	2.078	2.022	39.99	1.975	2.002	2.025
#2	.2571	41.41	1.928	2.091	2.025	39.97	1.979	2.005	2.021
#3	.2556	41.20	1.931	2.073	2.017	40.03	1.982	2.009	2.021

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.035	40.23	39.99	42.21	1.969	2.006	40.36	1.952	1.980
Stddev	.002	.03	.09	.10	.007	.003	.03	.004	.004
%RSD	.1076	.0753	.2354	.2461	.3833	.1714	.0834	.1814	.1980
#1	2.038	40.23	39.97	42.11	1.961	2.003	40.38	1.951	1.976
#2	2.033	40.20	40.09	42.20	1.976	2.006	40.37	1.949	1.983
#3	2.034	40.26	39.91	42.32	1.969	2.009	40.32	1.956	1.981

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.941	1.970	2.213	2.036	1.984	1.974	1.979	1.966	1.927
Stddev	.001	.004	.002	.004	.007	.001	.008	.002	.004
%RSD	.0413	.2004	.0780	.1817	.3414	.0437	.3940	.1163	.2175
#1	1.940	1.968	2.214	2.032	1.985	1.975	1.988	1.964	1.923
#2	1.940	1.968	2.211	2.036	1.990	1.975	1.973	1.968	1.927
#3	1.942	1.975	2.214	2.039	1.977	1.973	1.975	1.967	1.932

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2130.9	4779.5	36577.	3759.1
Stddev	1.7	8.1	281.	7.6
%RSD	.07984	.16880	.76759	.20336
#1	2132.8	4783.9	36537.	3757.3
#2	2129.7	4770.2	36876.	3767.5
#3	2130.1	4784.4	36318.	3752.6

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7.2
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Sample Name: CCV Acquired: 4/5/2016 17:01:15 Type: QC
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2386.8	5158.5	40483.	3978.0
Stddev	5.9	6.4	114.	33.9
%RSD	.24561	.12439	.28178	.85301
#1	2381.2	5151.8	40354.	3983.5
#2	2386.3	5164.6	40524.	4008.9
#3	2392.9	5159.2	40571.	3941.7

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Sample Name: CCB Acquired: 4/5/2016 17:05:35 Type: QC
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0101	.0009	.0001	.0002	.0081	.0001	.0001	.0003
Stddev	.0004	.0048	.0004	.0002	.0000	.0020	.0000	.0001	.0001
%RSD	258.5	47.01	46.47	216.8	12.41	25.08	17.75	65.90	31.49
#1	-.0004	.0124	.0010	.0001	.0002	.0105	.0001	.0001	.0003
#2	-.0003	.0046	.0012	-.0001	.0002	.0073	.0001	.0002	.0002
#3	-.0003	.0133	.0004	.0004	.0002	.0066	.0001	.0001	.0003

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0167	-.0219	.0034	.0002	F .0014	-.0231	.0000	-.0005
Stddev	.0001	.0036	.0029	.0246	.0000	.0004	.0056	.0001	.0005
%RSD	108.2	21.72	13.22	726.4	23.03	28.01	24.34	1167.	97.23
#1	.0002	.0207	-.0233	.0306	.0002	.0018	-.0218	.0002	.0000
#2	.0000	.0157	-.0239	-.0173	.0002	.0013	-.0293	-.0001	-.0006
#3	.0002	.0137	-.0186	-.0031	.0001	.0010	-.0183	.0000	-.0009

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	.0005	-.0003	.0002	.0002	.0008	.0012	.0004	.0001
Stddev	.0006	.0015	.0003	.0003	.0001	.0001	.0005	.0002	.0001
%RSD	36.78	302.7	75.46	170.5	29.10	8.219	42.40	43.20	100.3
#1	.0021	-.0004	-.0004	.0004	.0002	.0009	.0010	.0003	.0002
#2	.0010	-.0003	-.0001	-.0001	.0002	.0008	.0008	.0002	.0001
#3	.0021	.0022	-.0006	.0002	.0001	.0008	.0018	.0005	.0000

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2130.9	4779.5	36577.	3759.1
Stddev	1.7	8.1	281.	7.6
%RSD	.07984	.16880	.76759	.20336
#1	2132.8	4783.9	36537.	3757.3
#2	2129.7	4770.2	36876.	3767.5
#3	2130.1	4784.4	36318.	3752.6

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Sample Name: CCB Acquired: 4/5/2016 17:05:35 Type: QC
Method: 60102007_042011(v45) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2735.7	5390.0	42281.	4012.0
Stddev	1.6	10.3	136.	15.6
%RSD	.05677	.19128	.32086	.38971
#1	2737.0	5401.6	42139.	4023.2
#2	2734.0	5386.5	42410.	4018.8
#3	2736.2	5381.9	42293.	3994.2

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000009	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000083	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000005	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000083	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000000	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000012	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000135	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000010	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000041	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000123	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000038	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	-0.000020	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000035	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	-0.000004	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000006	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	0.000087	0.585824	0.000000	1.000000
Al 396.152 { 85}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	0.000465	0.213944	0.000000	1.000000
As 189.042 {478}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	-0.000672	0.194129	0.000000	1.000000
Ba 455.403 { 74}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	0.002499	8.617726	0.000000	1.000000
Be 313.042 {108}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	0.000336	10.839273	0.000000	1.000000
Ca 317.933 {106}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	0.002437	0.257230	0.000000	1.000000
Cd 226.502 {449}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	-0.001054	5.229164	0.000000	1.000000
Co 228.616 {447}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	-0.000511	2.726040	0.000000	1.000000
Cr 267.716 {126}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	-0.000040	0.573644	0.000000	1.000000
Cu 324.754 {104}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	0.005812	0.869924	0.000000	1.000000
Fe 259.940 {130}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	0.002350	0.167005	0.000000	1.000000
In 230.606 {446}*	4/5/2016 10:03:04	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	0.001695	0.099516	0.000000	1.000000
Mg 279.079 {121}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	-0.000503	0.025413	0.000000	1.000000
Mn 257.610 {131}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	0.000613	3.160101	0.000000	1.000000
Mo 202.030 {467}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	0.002097	1.116475	0.000000	1.000000
Na 589.592 { 57}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	-0.011291	0.403291	0.000000	1.000000
Ni 231.604 {445}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	-0.000044	1.714949	0.000000	1.000000
Pb 220.353 {453}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	-0.000029	0.926619	0.000000	1.000000
Sb 206.833 {463}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	0.000757	0.263463	0.000000	1.000000
Se 196.090 {472}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	-0.000709	0.133043	0.000000	1.000000
Si 212.412 {459}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	0.004002	0.425889	0.000000	1.000000
Sn 189.989 {477}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	0.000617	0.402122	0.000000	1.000000
Sr 407.771 { 83}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	-0.000593	16.766009	0.000000	1.000000
Ti 334.941 {101}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	0.003379	2.196884	0.000000	1.000000
Tl 190.856 {477}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	-0.001878	0.308720	0.000000	1.000000
V 292.402 {115}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	-0.000755	0.774936	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	4/5/2016 10:03:04	4/5/2016 9:29:28	Linear	1/Conc	0.001667	2.757707	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999782	0.000118	0.000388	0.001293	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999848	0.006020	0.008209	0.027362	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999944	0.000166	0.000786	0.002620	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999926	0.008455	0.000256	0.000854	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999957	0.008146	0.000066	0.000221	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999789	0.008518	0.003195	0.010650	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999922	0.005253	0.000047	0.000156	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999942	0.002359	0.000100	0.000333	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999862	0.000768	0.000248	0.000826	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999952	0.000687	0.000243	0.000810	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999550	0.008069	0.002534	0.008447	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999853	0.002745	0.029945	0.099816	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999807	0.000805	0.021348	0.071161	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999869	0.004113	0.000040	0.000133	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999945	0.000944	0.000140	0.000466	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999857	0.010982	0.007810	0.026034	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999939	0.001526	0.000161	0.000538	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999902	0.001048	0.000576	0.001920	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999943	0.000227	0.000944	0.003146	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999948	0.000109	0.001692	0.005640	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.995211	0.003369	0.000414	0.001381	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999900	0.000459	0.000323	0.001077	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999856	0.022902	0.000084	0.000281	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999893	0.002584	0.000098	0.000327	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999966	0.000205	0.000985	0.003284	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999939	0.000682	0.000233	0.000776	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999949	0.002236	0.000066	0.000220	OK	1.000000	0.000000	1	0

Sample Name: Blank Acquired: 4/6/2016 12:31:45 Type: Cal
Method: 60102007_042011(v46) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.001	0.008	-0.008	0.032	0.004	0.022	-0.012	-0.006	-0.001
Stddev	.0001	.0009	.0002	.0012	.0002	.0006	.0002	.0001	.0000
%RSD	158.4	113.0	19.52	39.47	44.61	28.92	18.38	15.64	16.87
#1	-0.001	.002	-0.007	.0045	.002	.020	-0.009	-0.005	.000
#2	-0.001	.0018	-0.010	.0028	.0006	.0016	-0.014	-0.007	-0.001
#3	.000	.0003	-0.007	.0021	.0004	.0029	-0.013	-0.007	-0.001

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.062	0.010	-0.043	-0.002	0.006	0.005	-0.021	0.000	-0.005
Stddev	.0001	.0002	.0006	.0004	.0002	.0001	.0017	.0001	.0001
%RSD	1.528	19.64	14.95	239.9	28.19	17.72	82.29	3050.	24.31
#1	.0061	.0012	-0.038	.0003	.0004	.0004	-0.015	.000	-0.005
#2	.0062	.0011	-0.050	-0.004	.0006	.0005	-0.040	-0.001	-0.006
#3	.0062	.0008	-0.040	-0.004	.0008	.0006	-0.007	.002	-0.004

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.006	-0.006	0.049	-0.002	-0.009	0.011	-0.010	-0.005	0.008
Stddev	.0002	.0001	.0002	.0000	.0006	.0001	.0003	.0001	.0001
%RSD	26.90	19.12	3.148	20.90	63.59	6.395	33.78	12.60	10.90
#1	.0008	-0.007	.0049	.002	-0.003	.0011	-0.013	-0.006	.0009
#2	.0004	-0.006	.0051	.002	-0.012	.0011	-0.011	-0.006	.0007
#3	.0006	-0.005	.0048	.002	-0.014	.0010	-0.006	-0.005	.0008

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2591.1	4979.4	42096.	4859.9
Stddev	2.0	8.9	53.	38.3
%RSD	.07860	.17795	.12604	.78728
#1	2593.4	4985.4	42072.	4889.4
#2	2589.6	4983.6	42156.	4816.7
#3	2590.3	4969.2	42058.	4873.6

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Sample Name: LowStd Acquired: 4/6/2016 12:40:04 Type: Cal
Method: 60102007_042011(v46) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.026	2.088	0.846	3.951	4.928	2.451	2.333	1.239	2.599
Stddev	.0004	.010	.0000	.004	.014	.008	.003	.002	.0001
%RSD	1.084	4.884	.0476	.1103	.2916	.3210	.1352	.1561	.0553
#1	.0323	2.093	.0846	3.956	4.934	2.460	2.332	1.241	2.599
#2	.0327	2.076	.0846	3.948	4.938	2.451	2.331	1.237	2.600
#3	.0330	2.094	.0846	3.948	4.912	2.444	2.337	1.241	2.597

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.146	1.651	1.005	2.162	1.483	5.182	4.076	7.949	3.974
Stddev	.0007	.005	.004	.0002	.003	.0018	.007	.0012	.0013
%RSD	.1777	.2970	.3437	.1138	.2191	.3407	.1694	.1449	.3227
#1	4.144	1.656	1.006	2.164	1.480	5.190	4.081	7.947	3.959
#2	4.140	1.646	1.007	2.163	1.485	5.162	4.077	7.939	3.981
#3	4.155	1.652	1.001	2.159	1.486	5.194	4.068	7.962	3.981

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.223	0.577	1.881	1.839	8.300	1.062	1.317	3.626	1.178
Stddev	.0005	.0001	.0006	.0006	.026	.003	.0002	.0002	.002
%RSD	.4013	.1242	.3419	.3421	.3085	.2720	.1603	.0419	.1691
#1	1.218	.0578	1.888	1.846	8.327	1.061	1.317	3.627	1.178
#2	1.224	.0577	1.881	1.835	8.295	1.061	1.315	3.624	1.176
#3	1.228	.0577	1.875	1.835	8.277	1.066	1.319	3.625	1.180

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2495.5	5013.2	41611.	4880.9
Stddev	2.7	10.8	126.	20.3
%RSD	.10720	.21638	.30201	.41558
#1	2497.4	5005.6	41677.	4864.5
#2	2496.8	5025.6	41690.	4903.6
#3	2492.5	5008.4	41466.	4874.6

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Sample Name: MidStd Acquired: 4/6/2016 12:43:35 Type: Cal
Method: 60102007_042011(v46) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.134	8.033	3.562	16.39	20.16	9.368	9.454	5.034	1.040
Stddev	.0008	.026	.0011	.04	.03	.047	.020	.008	.002
%RSD	.5683	3.223	.3109	.2176	.1421	.4961	.2134	.1630	.2319
#1	1.1332	8.013	3.551	16.41	20.16	9.347	9.431	5.025	1.038
#2	1.1329	8.062	3.563	16.35	20.18	9.421	9.469	5.041	1.040
#3	1.1343	8.024	3.573	16.41	20.12	9.335	9.460	5.035	1.043

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.678	5.961	3.883	8.351	5.922	2.110	15.79	3.196	1.666
Stddev	.003	.021	.004	.0073	.012	.005	.02	.003	.003
%RSD	.1528	.3483	.0938	.8754	.2056	.2205	.1490	.0926	.1734
#1	1.677	5.950	3.883	8.293	5.909	2.104	15.80	3.193	1.663
#2	1.676	5.985	3.887	8.433	5.926	2.112	15.76	3.199	1.669
#3	1.681	5.948	3.879	8.326	5.932	2.113	15.79	3.197	1.666

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5.120	2.426	8.982	7.363	33.75	4.302	5.515	1.461	4.713
Stddev	.0006	.0008	.0010	.0009	.07	.005	.0002	.002	.012
%RSD	.1269	.3168	.1162	.1272	.2038	.1106	.0281	.1489	.2487
#1	5.113	2.417	8.984	7.356	33.83	4.297	5.514	1.458	4.703
#2	5.121	2.431	8.970	7.374	33.71	4.301	5.517	1.461	4.726
#3	5.125	2.430	8.991	7.361	33.71	4.307	5.514	1.463	4.710

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2297.9	4830.6	40583.	4805.3
Stddev	1.0	4.1	191.	35.2
%RSD	.04442	.08461	.47111	.73321
#1	2298.6	4834.8	40752.	4810.4
#2	2296.8	4826.7	40621.	4767.8
#3	2298.5	4830.4	40375.	4837.7

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Sample Name: HighStd Acquired: 4/6/2016 12:47:08 Type: Cal
Method: 60102007_042011(v46) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.637	15.85	7.280	32.47	39.29	18.17	18.73	10.08	2.016
Stddev	.0011	.04	.0026	.06	.09	.11	.01	.01	.006
%RSD	.4143	.2776	.3546	.1780	.2387	.6085	.0680	.0756	.2877
#1	2.639	15.88	7.250	32.54	39.38	18.25	18.73	10.07	2.021
#2	2.647	15.88	7.297	32.45	39.30	18.21	18.75	10.09	2.017
#3	2.625	15.80	7.292	32.43	39.19	18.04	18.72	10.08	2.010

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.363	11.83	7.643	1.642	11.28	4.220	31.05	6.340	3.382
Stddev	.010	.04	.016	.011	.07	.006	.06	.007	.007
%RSD	.2938	.3350	.2047	.6664	.5782	.1543	.2029	.1087	.2111
#1	3.364	11.86	7.658	1.648	11.27	4.215	31.10	6.340	3.382
#2	3.353	11.84	7.644	1.648	11.22</				

Sample Name: HSTD Acquired: 4/6/2016 12:51:04 Type: QC
 Method: 60102007_042011(v46) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.895	78.69	3.935	3.901	3.914	77.66	3.894	3.907	3.892
Stddev	.0015	.47	.017	.029	.018	.28	.008	.010	.013
%RSD	.2966	.5925	.4228	.7363	.4464	.3563	.1984	.2608	.3304

#1	.4912	79.03	3.929	3.930	3.930	77.92	3.901	3.915	3.877
#2	.4887	78.16	3.954	3.872	3.895	77.37	3.895	3.910	3.901
#3	.4886	78.87	3.922	3.902	3.916	77.68	3.886	3.895	3.898

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.945	78.54	77.89	79.34	3.847	3.908	77.79	3.893	3.951
Stddev	.011	.29	.41	.04	.031	.010	.52	.004	.007
%RSD	.2879	.3714	.5290	.0492	.8044	.2540	.6722	.0984	.1665

#1	3.958	78.76	78.26	79.38	3.851	3.914	78.28	3.895	3.953
#2	3.941	78.21	77.44	79.33	3.876	3.914	77.24	3.895	3.943
#3	3.937	78.66	77.96	79.30	3.815	3.897	77.84	3.888	3.956

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.932	3.931	3.662	3.877	3.877	3.880	3.930	3.882	3.894
Stddev	.008	.014	.008	.003	.030	.012	.004	.017	.003
%RSD	.2005	.3432	.2252	.0715	.7657	.3199	.0897	.4469	.0747

#1	3.934	3.927	3.665	3.880	3.891	3.874	3.934	3.872	3.897
#2	3.939	3.946	3.668	3.876	3.898	3.872	3.928	3.902	3.891
#3	3.923	3.919	3.653	3.875	3.843	3.894	3.928	3.872	3.893

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 4/6/2016 12:51:04 Type: QC
 Method: 60102007_042011(v46) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2145.3	4649.0	4003.3	4777.6
Stddev	.6	13.5	81.	4.8
%RSD	.02565	.29016	.20357	.10056

#1	2144.7	4641.7	4004.7	4772.7
#2	2145.8	4640.8	3994.6	4782.3
#3	2145.3	4664.6	4010.7	4777.8

Sample Name: ICV Acquired: 4/6/2016 12:57:53 Type: QC
 Method: 60102007_042011(v46) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.392	40.94	1.944	2.042	2.037	42.49	1.989	1.983	2.003
Stddev	.0008	.02	.005	.002	.003	.18	.003	.003	.006
%RSD	.3451	.0433	.2788	.0856	.1239	.4199	.1689	.1436	.2803

#1	.2386	40.94	1.938	2.044	2.035	42.35	1.987	1.981	2.008
#2	.2401	40.96	1.948	2.041	2.040	42.69	1.987	1.982	2.004
#3	.2388	40.92	1.946	2.041	2.036	42.44	1.993	1.987	1.997

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.958	41.99	41.99	42.67	2.063	1.891	42.17	2.005	1.977
Stddev	.004	.10	.02	.07	.007	.005	.07	.002	.004
%RSD	.2302	.2300	.0487	.1758	.3201	.2778	.1581	.0936	.1991

#1	1.961	41.89	41.97	42.60	2.068	1.887	42.18	2.003	1.980
#2	1.959	42.08	41.98	42.75	2.066	1.890	42.23	2.005	1.979
#3	1.952	41.99	42.01	42.65	2.056	1.897	42.09	2.007	1.973

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.955	1.969	1.268	2.031	1.951	1.956	2.035	1.902	2.024
Stddev	.006	.005	.0010	.001	.001	.005	.005	.004	.004
%RSD	.2956	.2427	.7701	.0558	.0275	.2749	.2392	.1900	.1719

#1	1.950	1.967	.1277	2.032	1.950	1.959	2.031	1.903	2.027
#2	1.954	1.965	.1269	2.030	1.951	1.960	2.040	1.905	2.020
#3	1.961	1.974	.1257	2.031	1.951	1.950	2.035	1.898	2.025

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 4/6/2016 12:57:53 Type: QC
 Method: 60102007_042011(v46) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2293.6	4822.6	4067.5	4769.0
Stddev	7.0	16.7	50.	5.1
%RSD	.30558	.34590	.12321	.10723

#1	2301.6	4841.1	4062.4	4768.4
#2	2289.0	4818.1	4072.4	4764.2
#3	2290.0	4808.6	4067.7	4774.4

Sample Name: ICB Acquired: 4/6/2016 13:05:23 Type: QC
 Method: 60102007_042011(v46) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-0.0026	.0006	.0000	.0000	-0.0008	.0000	.0000	-0.0002
Stddev	.0001	.0038	.0004	.000	.0000	.0009	.0000	.0001	.0001
%RSD	36.02	143.6	71.47	271.8	30.77	107.8	72.26	371.3	42.30
#1	.0003	-.0051	.0004	.0000	.0000	-.0017	.0000	-.0001	-.0002
#2	.0002	.0017	.0003	-.0001	.0000	-.0010	.0000	.0000	-.0003
#3	.0001	-.0044	.0011	.0001	.0000	.0001	.0001	.0001	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0036	.0714	-.0138	.0000	.0009	.0069	-.0002	.0009
Stddev	.000	.0012	.0121	.0146	.000	.0001	.0056	.0001	.0002
%RSD	684.5	33.71	17.01	105.5	40.03	8.754	81.07	35.75	24.74
#1	.0000	.0046	.0759	.0024	-.0001	.0009	.0013	-.0002	.0008
#2	-.0002	.0023	.0806	-.0178	.0000	.0009	.0125	-.0001	.0012
#3	.0001	.0038	.0576	-.0259	.0000	.0008	.0069	-.0002	.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	-.0018	-.0008	.0003	.0001	.0008	.0002	-.0001	-.0001
Stddev	.0005	.0004	.0003	.0006	.0000	.0001	.0006	.0001	.0001
%RSD	89.04	20.25	37.93	192.1	12.25	6.976	233.5	106.2	89.83
#1	-.0008	-.0021	-.0006	.0006	.0001	.0008	-.0003	-.0001	-.0001
#2	-.0008	-.0014	-.0011	-.0004	.0001	.0007	.0008	-.0001	.0000
#3	.0000	-.0018	-.0005	.0007	.0001	.0008	.0003	.0000	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 4/6/2016 13:05:23 Type: QC
 Method: 60102007_042011(v46) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2573.2	4926.5	4154.3	4794.0
Stddev	4.6	13.2	70.	19.8
%RSD	.18042	.26764	.16924	.41321
#1	2575.8	4931.4	4161.8	4791.9
#2	2575.9	4911.6	4153.3	4814.7
#3	2567.8	4936.5	4147.9	4775.2

Sample Name: CRIA Acquired: 4/6/2016 13:13:57 Type: QC
 Method: 60102007_042011(v46) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0092	.2118	.0103	.2101	.0053	1.107	.0056	.0547	.0110
Stddev	.0002	.0081	.0001	.0004	.0000	.003	.0000	.0001	.0001
%RSD	2.090	3.828	1.126	.1978	.2072	2.301	.1936	.1498	.7411
#1	.0092	.2210	.0102	.2098	.0053	1.110	.0055	.0547	.0110
#2	.0090	.2056	.0103	.2099	.0053	1.107	.0056	.0546	.0109
#3	.0094	.2088	.0105	.2106	.0052	1.105	.0055	.0547	.0111

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0270	.3275	10.53	5.357	.0170	.0514	10.55	.0440	.0059
Stddev	.0004	.0035	.05	.029	.0001	.0000	.04	.0001	.0004
%RSD	1.410	1.079	4.864	.5377	.6333	.0869	.3825	.2816	6.548
#1	.0267	.3269	10.58	5.389	.0169	.0514	10.60	.0442	.0057
#2	.0275	.3243	10.48	5.334	.0170	.0515	10.53	.0439	.0064
#3	.0269	.3313	10.52	5.348	.0171	.0514	10.53	.0440	.0057

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046	.0110	.0314	.0539	.0107	.0107	.0093	.0512	.0236
Stddev	.0007	.0006	.0002	.0002	.0001	.0001	.0012	.0002	.0001
%RSD	14.98	5.559	6.485	.4557	.8612	1.026	12.54	.3219	4.281
#1	.0049	.0114	.0316	.0540	.0107	.0106	.0096	.0513	.0237
#2	.0038	.0114	.0315	.0536	.0107	.0106	.0080	.0512	.0235
#3	.0050	.0103	.0312	.0540	.0105	.0108	.0103	.0510	.0236

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 4/6/2016 13:13:57 Type: QC
 Method: 60102007_042011(v46) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2546.3	4977.4	4183.3	4867.7
Stddev	2.8	13.3	51.	16.9
%RSD	.11188	.26729	.12103	.34720
#1	2549.6	4992.7	4184.6	4849.9
#2	2544.8	4971.2	4187.5	4869.6
#3	2544.5	4968.3	4177.7	4883.5

Sample Name: ICSCA Acquired: 4/6/2016 13:21:28 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	501.2	.0009	-0.001	-0.001	471.8	.0000	-0.002	-0.001
Stddev	.0001	8.1	.0015	.0001	.0001	3.1	.0001	.0001	.0002
%RSD	38.81	1.617	178.3	137.3	63.21	.6669	265.5	38.71	337.3
#1	-0.001	497.4	-0.005	-0.001	-0.001	468.5	.0001	-0.003	.0002
#2	-0.002	510.5	.0025	.0000	-0.001	474.8	-0.001	-0.003	-0.002
#3	-0.002	495.8	.0005	-0.001	.0000	472.0	.0000	-0.001	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	180.7	.1558	519.9	-0.001	.0001	.1376	.0001	-0.003
Stddev	.000	.7	.0063	1.9	.0000	.0001	.0062	.0001	.0002
%RSD	633.4	.3643	4.062	.3712	63.49	161.4	4.529	153.1	88.05
#1	.0002	181.0	.1569	521.3	.0000	.0001	.1314	.0002	-0.001
#2	-0.004	181.1	.1490	520.8	.0000	.0001	.1439	.0000	-0.001
#3	.0001	179.9	.1615	517.7	-0.001	.0000	.1375	.0000	-0.005

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0000	.0672	F .0013	.0003	.0005	.0000	.0001	-0.0031
Stddev	.0027	.0032	.0012	.0006	.0001	.0001	.0031	.0001	.0004
%RSD	1107.0	7492.	1.809	46.17	17.08	14.69	6995.	101.0	12.56
#1	-0.0028	-0.0019	.0667	.0014	.0004	.0005	.0036	.0001	-0.0030
#2	.0026	.0037	.0686	.0006	.0003	.0006	-0.0015	.0002	-0.0035
#3	.0003	-0.0018	.0663	.0018	.0003	.0005	-0.0019	.0000	-0.0027

Sample Name: ICSCA Acquired: 4/6/2016 13:21:28 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2075.7	4485.1	37406.	4546.4
Stddev	3.6	11.7	66.	18.2
%RSD	.17308	.26088	.17544	.39923
#1	2076.9	4471.7	37448.	4534.9
#2	2071.7	4490.4	37439.	4537.0
#3	2078.6	4493.2	37330.	4567.4

Sample Name: ICSAB Acquired: 4/6/2016 13:29:05 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.001	496.5	1.063	.5001	.4967	473.1	.9210	.4584	.4923
Stddev	.002	4.2	.006	.0016	.0024	1.7	.0009	.0012	.0039
%RSD	.2426	.8538	.5319	.3176	.4917	.3562	.0948	.2534	.7882
#1	1.000	497.6	1.057	.5007	.4939	471.8	.9204	.4571	.4904
#2	.9993	491.8	1.062	.5013	.4983	472.4	.9206	.4588	.4897
#3	1.004	500.1	1.069	.4983	.4979	475.0	.9220	.4593	.4967

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5286	180.8	.0995	524.2	.4915	.9198	.1367	.9173	.9287
Stddev	.0008	.4	.0302	2.6	.0028	.0030	.0025	.0019	.0010
%RSD	.1544	.2376	30.38	.4869	.5625	.3306	1.821	.2038	.1107
#1	.5286	180.6	.0748	523.7	.4909	.9165	.1339	.9158	.9298
#2	.5293	180.5	.0905	521.9	.4891	.9205	.1376	.9167	.9286
#3	.5277	181.3	.1332	526.9	.4945	.9225	.1386	.9194	.9277

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.001	.9975	.1106	.9231	1.010	.9934	.9440	.4571	.9211
Stddev	.004	.0114	.0008	.0026	.002	.0030	.0068	.0027	.0013
%RSD	.4403	1.146	.6881	.2824	.1890	.3030	.7152	.5902	.1415
#1	.9996	.9873	.1104	.9225	1.008	.9936	.9395	.4561	.9215
#2	.9977	.9952	.1100	.9208	1.012	.9903	.9407	.4550	.9197
#3	1.006	1.010	.1115	.9259	1.010	.9963	.9518	.4601	.9222

Sample Name: ICSAB Acquired: 4/6/2016 13:29:05 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2037.5	4480.5	37167.	4499.3
Stddev	1.7	7.4	115.	21.0
%RSD	.08321	.16517	.30968	.46735
#1	2038.9	4489.0	37139.	4491.7
#2	2035.6	4475.5	37294.	4523.0
#3	2038.0	4477.0	37069.	4483.1

Sample Name: CCV Acquired: 4/6/2016 13:35:47 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.251	40.64	2.006	2.004	2.040	40.56	2.044	2.036	2.053
Stddev	.0010	.04	.003	.002	.004	.03	.003	.002	.011
%RSD	.3793	.0951	.1623	.1124	.2225	.0658	.1391	.1094	.5343
#1	.2554	40.68	2.008	2.006	2.037	40.53	2.047	2.038	2.043
#2	.2559	40.61	2.002	2.002	2.045	40.57	2.042	2.036	2.065
#3	.2541	40.62	2.007	2.003	2.037	40.58	2.042	2.034	2.051

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.022	40.25	40.53	41.17	2.064	2.038	40.46	2.034	2.000
Stddev	.006	.02	.15	.04	.015	.001	.03	.003	.002
%RSD	.2877	.0490	.3714	.0909	.7017	.0570	.0651	.1208	.0908
#1	2.015	40.23	40.54	41.12	2.047	2.037	40.49	2.037	1.998
#2	2.025	40.25	40.38	41.18	2.074	2.039	40.46	2.034	1.999
#3	2.026	40.27	40.68	41.20	2.069	2.037	40.44	2.032	2.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.998	2.008	2.270	2.033	2.040	2.043	2.007	2.026	2.048
Stddev	.001	.004	.003	.003	.003	.007	.007	.004	.005
%RSD	.0621	.2013	.1165	.1671	.1234	.3587	.3755	.1713	.2679
#1	1.997	2.010	2.269	2.036	2.040	2.034	2.002	2.023	2.055
#2	1.999	2.003	2.273	2.029	2.043	2.048	2.003	2.030	2.044
#3	1.997	2.009	2.268	2.033	2.038	2.046	2.016	2.027	2.046

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/6/2016 13:35:47 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2305.7	4806.2	40771.	4765.0
Stddev	2.7	6.6	258.	12.1
%RSD	.11571	.13680	.63398	.25486
#1	2308.5	4804.0	41054.	4767.4
#2	2303.2	4801.0	40711.	4751.9
#3	2305.3	4813.6	40547.	4775.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.022	40.25	40.53	41.17	2.064	2.038	40.46	2.034	2.000
Stddev	.006	.02	.15	.04	.015	.001	.03	.003	.002
%RSD	.2877	.0490	.3714	.0909	.7017	.0570	.0651	.1208	.0908
#1	2.015	40.23	40.54	41.12	2.047	2.037	40.49	2.037	1.998
#2	2.025	40.25	40.38	41.18	2.074	2.039	40.46	2.034	1.999
#3	2.026	40.27	40.68	41.20	2.069	2.037	40.44	2.032	2.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.998	2.008	2.270	2.033	2.040	2.043	2.007	2.026	2.048
Stddev	.001	.004	.003	.003	.003	.007	.007	.004	.005
%RSD	.0621	.2013	.1165	.1671	.1234	.3587	.3755	.1713	.2679
#1	1.997	2.010	2.269	2.036	2.040	2.034	2.002	2.023	2.055
#2	1.999	2.003	2.273	2.029	2.043	2.048	2.003	2.030	2.044
#3	1.997	2.009	2.268	2.033	2.038	2.046	2.016	2.027	2.046

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 4/6/2016 13:41:52 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.054	0.003	0.002	0.001	0.073	0.001	0.002	-0.001
Stddev	.0003	.0064	.0004	.0001	.0000	.0022	.0000	.0000	.0000
%RSD	283.7	118.7	103.7	66.56	28.90	29.95	17.09	29.20	53.96
#1	-0.002	-0.017	-0.006	-0.003	-0.001	-0.057	-0.001	-0.002	-0.001
#2	-0.002	-0.072	-0.001	-0.001	-0.001	-0.098	-0.001	-0.001	-0.001
#3	-0.003	-0.107	-0.004	-0.001	-0.001	-0.064	-0.002	-0.002	-0.000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.090	0.032	-0.0279	0.001	0.009	0.025	-0.001	0.007
Stddev	.0000	.0014	.0281	.0146	.0000	.0001	.0032	.0001	.0002
%RSD	80.45	15.45	84.72	52.40	16.79	13.31	130.1	169.1	30.92
#1	-0.001	0.104	0.098	-0.044	0.001	0.010	0.003	0.000	0.008
#2	-0.001	0.089	0.090	-0.033	0.001	0.008	0.062	-0.001	0.008
#3	0.000	0.077	0.007	-0.0162	0.001	0.008	0.010	0.000	0.004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.001	-0.011	0.004	0.002	0.005	-0.005	0.001	0.001
Stddev	.0009	.0010	.0002	.0005	.0001	.0001	.0007	.0002	.0001
%RSD	176.2	943.0	21.72	111.1	30.59	18.81	130.9	258.4	118.4
#1	0.010	-0.010	-0.013	0.010	0.002	0.006	-0.013	-0.002	0.001
#2	-0.004	0.005	-0.012	0.001	0.003	0.004	-0.002	0.002	0.000
#3	-0.007	0.008	-0.009	0.002	0.002	0.005	-0.001	0.002	0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/6/2016 13:41:52 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2618.2	5001.1	41936.	4780.9
Stddev	6.5	6.3	106.	34.2
%RSD	.24829	.12580	.25276	.71636
#1	2618.0	5000.5	41987.	4742.5
#2	2611.9	4995.1	41814.	4791.8
#3	2624.9	5007.6	42007.	4808.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.090	0.032	-0.0279	0.001	0.009	0.025	-0.001	0.007
Stddev	.0000	.0014	.0281	.0146	.0000	.0001	.0032	.0001	.0002
%RSD	80.45	15.45	84.72	52.40	16.79	13.31	130.1	169.1	30.92
#1	-0.001	0.104	0.098	-0.044	0.001	0.010	0.003	0.000	0.008
#2	-0.001	0.089	0.090	-0.033	0.001	0.008	0.062	-0.001	0.008
#3	0.000	0.077	0.007	-0.0162	0.001	0.008	0.010	0.000	0.004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.001	-0.011	0.004	0.002	0.005	-0.005	0.001	0.001
Stddev	.0009	.0010	.0002	.0005	.0001	.0001	.0007	.0002	.0001
%RSD	176.2	943.0	21.72	111.1	30.59	18.81	130.9	258.4	118.4
#1	0.010	-0.010	-0.013	0.010	0.002	0.006	-0.013	-0.002	0.001
#2	-0.004	0.005	-0.012	0.001	0.003	0.004	-0.002	0.002	0.000
#3	-0.007	0.008	-0.009	0.002	0.002	0.005	-0.001	0.002	0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: MP30212-MB1 Acquired: 4/6/2016 13:45:49 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.101	-0.023	0.009	-0.001	0.476	-0.001	-0.001	0.002
Stddev	.0001	.0049	.0003	.0002	.0000	.0041	.0000	.0001	.0003
%RSD	49.00	48.11	11.90	22.36	30.98	8.632	19.65	58.81	110.0

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	0.364	0.411	0.019	0.005	0.008	0.065	-0.001	0.004
Stddev	.0001	.0025	.0165	.0113	.0000	.0000	.0042	.0001	.0005
%RSD	125.0	6.963	40.24	591.2	.5790	4.724	64.75	174.1	123.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	-0.0007	0.107	0.206	0.001	0.007	-0.021	0.000	0.004
Stddev	.0006	.0004	.0003	.0004	.0000	.0001	.0004	.000	.0000
%RSD	204.6	59.43	3.043	1.804	14.09	12.64	19.74	1128.	4.762

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30212-MB1 Acquired: 4/6/2016 13:45:49 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2642.8	5019.0	43041.	4821.5
Stddev	3.2	8.5	207.	18.1
%RSD	.12030	.17016	.48202	.37537

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

#1	2642.0	5021.9	42825.	4804.5
#2	2640.2	5009.3	43061.	4819.5
#3	2646.4	5025.6	43238.	4840.5

Sample Name: MP30212-B1 Acquired: 4/6/2016 13:50:21 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.458	28.86	1.937	2.038	0.527	26.98	0.509	5.097	2.113
Stddev	.0006	.08	.006	.011	.0002	.08	.0001	.0006	.0009
%RSD	1.366	2832	2951	5323	4073	3114	1219	1114	4095

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2615	28.49	26.52	27.58	5.332	5.236	26.63	5.135	4.705
Stddev	.0005	.10	.10	.25	.0020	.0006	.11	.0004	.0012
%RSD	.1846	.3622	.3727	.9171	.3816	.1153	4.119	.0808	.2469

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.854	1.942	0.197	5.370	5.134	5.282	1.865	4.946	5.145
Stddev	.0022	.004	.0001	.0011	.0033	.0012	.002	.0026	.0012
%RSD	.4625	.2235	.5480	.2046	.6419	.2221	.0998	.5244	.2265

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30212-B1 Acquired: 4/6/2016 13:50:21 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2447.5	4884.8	41417.	4758.9
Stddev	3.4	9.4	83.	28.0
%RSD	.13977	.19217	.20013	.58866

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

#1	2443.9	4879.1	41404.	4739.7
#2	2450.7	4895.7	41341.	4791.1
#3	2447.9	4879.7	41505.	4746.0

Sample Name: FA32465-10 Acquired: 4/6/2016 13:54:33 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3). Values include concentrations and percentages.

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Sample Name: MP30212-D1 Acquired: 4/6/2016 13:59:05 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3). Values include concentrations and percentages.

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Sample Name: MP30212-D2 Acquired: 4/6/2016 14:03:37 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3). Values include concentrations and percentages.

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Sample Name: MP30212-SD1 Acquired: 4/6/2016 14:08:10 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 50.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3). Values include concentrations and percentages.

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7.3

7

Sample Name: MP30212-PS1 Acquired: 4/6/2016 14:12:30 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: MP30212-S2 Acquired: 4/6/2016 14:21:50 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: MP30212-S1 Acquired: 4/6/2016 14:17:11 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA32465-1 Acquired: 4/6/2016 14:26:23 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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7.3

7

Sample Name: CCV Acquired: 4/6/2016 14:30:53 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2568	40.93	2.024	1.998	2.035	40.34	2.067	2.071	2.044
Stddev	.0014	.14	.005	.011	.004	.11	.003	.005	.002
%RSD	.5493	.3373	.2387	.5296	.1992	.2641	.1346	.2227	.0783
#1	.2578	40.94	2.018	1.990	2.034	40.40	2.065	2.067	2.045
#2	.2552	40.78	2.026	1.993	2.031	40.21	2.070	2.076	2.042
#3	.2573	41.06	2.027	2.010	2.039	40.39	2.066	2.071	2.044

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.035	40.24	40.51	41.30	2.040	2.072	40.60	2.051	1.995
Stddev	.005	.07	.14	.24	.004	.004	.18	.003	.004
%RSD	.2598	.1841	.3558	.5765	.2109	.1891	.4380	.1672	.1960
#1	2.040	40.32	40.42	41.56	2.043	2.068	40.53	2.048	1.997
#2	2.030	40.18	40.43	41.11	2.035	2.076	40.47	2.055	1.990
#3	2.034	40.21	40.67	41.22	2.042	2.073	40.80	2.050	1.997

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.020	2.039	2.300	2.041	2.036	2.026	2.004	2.012	2.052
Stddev	.005	.006	.004	.003	.007	.002	.003	.002	.001
%RSD	.2433	.3029	.1768	.1497	.3424	.0943	.1442	.0863	.0379
#1	2.015	2.032	2.296	2.037	2.030	2.028	2.002	2.010	2.051
#2	2.024	2.044	2.304	2.043	2.035	2.024	2.007	2.013	2.052
#3	2.022	2.040	2.299	2.042	2.044	2.026	2.002	2.011	2.053

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/6/2016 14:30:53 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2294.4	4744.8	4087.5	4753.9
Stddev	1.5	9.4	62.	13.5
%RSD	.06660	.19815	.15113	.28494
#1	2293.0	4749.5	4081.1	4748.4
#2	2294.1	4734.0	4093.5	4769.3
#3	2296.0	4750.9	4087.8	4743.9

Sample Name: CCB Acquired: 4/6/2016 14:35:03 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0007	.0008	.0005	.0003	.0124	.0002	.0002	-.0001
Stddev	.0002	.0052	.0004	.0001	.0000	.0013	.0001	.0001	.0001
%RSD	156.6	746.0	48.02	15.69	10.91	10.30	27.63	39.02	121.6
#1	-.0001	-.0049	.0009	.0005	.0003	.0109	.0002	.0002	.0000
#2	.0002	.0015	.0004	.0005	.0003	.0129	.0003	.0003	-.0002
#3	.0003	.0055	.0011	.0006	.0003	.0133	.0002	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0212	.0472	-.0041	.0003	F.0013	.0033	.0000	F.0012
Stddev	.0001	.0046	.0110	.0164	.0000	.0003	.0042	.000	.0005
%RSD	14170.	21.86	23.23	398.9	14.27	26.93	127.1	237300.	41.02
#1	-.0002	.0259	.0413	-.0170	.0003	.0016	.0055	.0002	.0013
#2	.0001	.0211	.0599	.0143	.0003	.0012	-.0015	-.0001	.0007
#3	.0001	.0166	.0406	-.0096	.0002	.0009	.0059	-.0001	.0016

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Fail
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0005	-.0004	.0000	.0004	.0012	.0002	.0002	.0002
Stddev	.0015	.0015	.0004	.0002	.0000	.0001	.0002	.0002	.0001
%RSD	1476.	281.1	109.0	1647.	13.08	9.558	102.1	100.6	37.81
#1	.0010	.0002	.0000	.0003	.0004	.0013	.0005	.0003	.0002
#2	.0005	-.0008	-.0003	.0000	.0004	.0013	.0001	.0000	.0003
#3	-.0018	.0022	-.0008	-.0002	.0003	.0011	.0001	.0002	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/6/2016 14:35:03 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2611.3	4927.1	4223.7	4803.8
Stddev	3.0	4.0	199.	6.3
%RSD	.11341	.08213	.47149	.13121
#1	2614.7	4931.7	4224.4	4805.2
#2	2610.0	4924.1	4203.4	4809.3
#3	2609.2	4925.4	4243.2	4797.0

Sample Name: FA32465-2 Acquired: 4/6/2016 14:39:36 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0045	178.0	.0347	.4494	.0012	F 5764.	.0243	.0463	.3302
Stddev	.0004	.9	.0131	.0026	.0002	.81	.0001	.0011	.0015
%RSD	9.935	.5335	37.75	.5722	17.67	1.414	.4405	2.281	.4466
#1	.0049	177.0	.0333	.4502	.0010	5673.	.0243	.0472	.3308
#2	.0044	178.1	.0485	.4465	.0013	5790.	.0244	.0451	.3313
#3	.0040	178.8	.0224	.4515	.0014	5829.	.0242	.0464	.3286
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5820	165.4	10.50	67.95	6.550	.0143	15.66	.1087	.4417
Stddev	.0030	.9	.27	.60	.026	.0010	.14	.0003	.0061
%RSD	.5141	.5520	2.592	.8785	.3994	6.905	.9017	.3091	1.384
#1	.5788	164.4	10.72	67.32	6.553	.0154	15.55	.1091	.4430
#2	.5847	165.5	10.19	68.05	6.575	.0138	15.63	.1087	.4351
#3	.5825	166.2	10.58	68.50	6.523	.0136	15.82	.1084	.4471
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0171	.0259	2.781	.0323	7.482	5.271	-.0024	.3664	1.131
Stddev	.0044	.0207	.002	.0023	.027	.005	.0140	.0009	.010
%RSD	25.67	79.73	.0854	7.246	.3613	.0863	586.5	2.458	.8572
#1	.0176	.0052	2.782	.0341	7.453	5.269	-.0038	.3672	1.121
#2	.0211	.0261	2.778	.0331	7.487	5.277	.0122	.3666	1.132
#3	.0124	.0466	2.783	.0297	7.506	5.269	-.0155	.3655	1.141
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2207.4	4608.5	3970.4	4689.2					
Stddev	7.2	8.8	147.	26.4					
%RSD	.32658	.19066	.37141	.56238					
#1	2199.1	4598.5	39664.	4719.4					
#2	2212.1	4614.9	39581.	4670.9					
#3	2211.0	4612.1	39868.	4677.3					

Sample Name: FA32465-3 Acquired: 4/6/2016 14:44:05 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0089	84.02	.0169	.2964	-.0001	F 6621.	.0222	.0305	.2563
Stddev	.0003	.41	.0052	.0036	.0006	.64	.0004	.0003	.0007
%RSD	3.397	.4851	30.67	1.216	390.9	.9605	1.714	.8406	.2668
#1	.0090	84.47	.0224	.3003	-.0004	6693.	.0219	.0302	.2567
#2	.0085	83.68	.0120	.2931	-.0005	6601.	.0226	.0307	.2555
#3	.0091	83.89	.0164	.2957	.0005	6571.	.0220	.0305	.2567
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3712	97.48	6.617	47.99	3.839	.0108	7.967	.1100	.4458
Stddev	.0016	.80	.192	.83	.012	.0004	.043	.0013	.0060
%RSD	.4237	.8231	2.899	1.736	.3078	3.936	.5447	1.226	1.344
#1	.3695	98.21	6.786	48.94	3.830	.0112	7.944	.1108	.4401
#2	.3725	96.62	6.656	47.41	3.852	.0103	7.939	.1107	.4452
#3	.3716	97.60	6.408	47.61	3.834	.0110	8.017	.1084	.4520
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0146	.0196	2.499	.0542	5.910	2.999	.0104	.3315	.8372
Stddev	.0110	.0100	.004	.0010	.008	.003	.0253	.0015	.0033
%RSD	75.02	50.96	.1808	1.834	.1325	.0933	244.1	.4619	.3908
#1	.0271	.0260	2.495	.0548	5.915	2.998	.0379	.3320	.8381
#2	.0100	.0248	2.498	.0549	5.901	3.002	-.0118	.3327	.8335
#3	.0067	.0081	2.504	.0531	5.914	2.997	.0050	.3298	.8399
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2175.0	4504.4	38827.	4622.5					
Stddev	7.0	4.2	88.	33.8					
%RSD	.32331	.09319	.22654	.73158					
#1	2182.2	4508.1	38914.	4584.2					
#2	2174.7	4505.3	38738.	4648.2					
#3	2168.1	4499.9	38830.	4635.2					

Sample Name: FA32465-4 Acquired: 4/6/2016 14:48:36 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0019	173.0	.0294	.7840	.0009	F 6513.	.0228	.0575	.4032
Stddev	.0015	.6	.0025	.0090	.0002	.17	.0006	.0019	.0041
%RSD	78.50	.3553	8.644	1.151	21.35	.2566	2.801	3.247	1.013
#1	.0030	173.6	.0297	.7939	.0009	6530.	.0236	.0578	.3985
#2	.0026	172.8	.0267	.7818	.0007	6512.	.0224	.0592	.4059
#3	.0002	172.4	.0318	.7763	.0010	6497.	.0225	.0555	.4052
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4424	172.1	10.96	56.32	7.175	.0115	9.893	.1295	.4131
Stddev	.0017	.7	.30	.12	.014	.0011	.052	.0019	.0025
%RSD	.3828	.4070	2.717	.2208	.1885	9.899	.5306	1.444	.6115
#1	.4406	172.8	11.04	56.39	7.173	.0111	9.953	.1281	.4135
#2	.4427	171.9	11.21	56.18	7.189	.0106	9.865	.1316	.4104
#3	.4440	171.4	10.63	56.40	7.162	.0128	9.859	.1288	.4154
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0004	-.0067	3.033	.0287	5.222	6.111	.0062	.3930	1.178
Stddev	.0022	.0029	.002	.0007	.030	.013	.0218	.0025	.005
%RSD	582.5	44.10	.0758	2.348	.5741	.2116	353.5	.6394	.4047
#1	-.0017	-.0033	3.034	.0289	5.233	6.111	-.0169	.3901	1.174
#2	.0001	-.0080	3.034	.0292	5.245	6.125	.0089	.3943	1.176
#3	.0027	-.0087	3.030	.0279	5.188	6.099	.0265	.3947	1.183
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2178.1	4569.7	39679.	4770.5					
Stddev	8.0	7.4	66.	28.5					
%RSD	.36557	.16098	.16669	.59670					
#1	2176.4	4573.2	39603.	4738.5					
#2	2171.2	4561.2	39707.	4793.2					
#3	2186.8	4574.6	39726.	4779.6					

Sample Name: FA32465-5 Acquired: 4/6/2016 14:53:06 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0003	439.0	.0801	.6933	.0039	4931.	.0212	.1336	.6834
Stddev	.0038	2.5	.0059	.0016	.0004	.6	.0005	.0007	.0019
%RSD	1154.	.5778	7.348	.2248	9.854	.1184	2.412	.5566	.2781
#1	.0043	440.6	.0740	.6923	.0036	4935.	.0216	.1344	.6818
#2	.0001	440.3	.0857	.6925	.0038	4924.	.0206	.1329	.6855
#3	-.0033	436.1	.0806	.6951	.0044	4934.	.0213	.1336	.6830
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	6.435	413.5	19.36	64.11	13.58	.0082	11.59	.1477	.3525
Stddev	.015	1.6	.22	.58	.01	.0008	.09	.0005	.0082
%RSD	.2377	.3912	1.118	.9006	.0626	9.634	.7683	.3570	2.315
#1	6.446	415.1	19.46	64.77	13.58	.0090	11.63	.1473	.3617
#2	6.418	413.6	19.12	63.68	13.59	.0075	11.65	.1483	.3462
#3	6.442	411.9	19.52	63.88	13.57	.0079	11.49	.1475	

Sample Name: FA32465-6 Acquired: 4/6/2016 14:57:35 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0045	100.2	.0233	.2134	-0.0011	F 5933.	.0173	.0338	.2677
Stddev	.0036	.2	.0029	.0024	.0005	.97	.0002	.0008	.0021
%RSD	80.71	.2457	12.57	1.146	747.8	1.627	1.072	2.268	.7662
#1	.0033	100.5	.0205	.2107	-.0005	5892.	.0173	.0336	.2683
#2	.0017	99.97	.0231	.2154	-.0004	5864.	.0171	.0331	.2654
#3	.0086	100.3	.0264	.2141	-.0001	6043.	.0175	.0346	.2693
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3334	103.2	6.914	45.20	4.526	.0086	6.917	1.042	.2229
Stddev	.0011	.5	.362	.29	.012	.0005	.095	.0016	.0086
%RSD	.3389	.4686	5.233	.6364	.2689	5.475	1.373	1.517	3.871
#1	.3322	103.7	7.174	45.36	4.517	.0084	6.969	1.053	.2262
#2	.3344	102.7	6.501	44.86	4.539	.0092	6.975	1.024	.2132
#3	.3336	103.3	7.067	45.36	4.520	.0083	6.808	1.049	.2295
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0055	.0135	2.103	.0183	4.527	3.219	.0017	.3095	.6684
Stddev	.0086	.0090	.003	.0033	.021	.005	.0145	.0030	.0027
%RSD	156.8	66.97	.1391	17.98	.4644	1.700	854.7	9.743	4.058
#1	.0044	.0231	2.101	.0220	4.552	3.223	.0137	.3122	.6712
#2	-.0094	.0124	2.102	.0158	4.513	3.212	.0058	.3100	.6658
#3	-.0115	.0251	2.106	.0170	4.517	3.220	-.0144	.3063	.6680
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2209.1	4578.9	3906.0	4588.0					
Stddev	7.1	10.3	94.	49.4					
%RSD	.32082	.22587	.24086	1.0776					
#1	2215.2	4590.8	39138.	4579.0					
#2	2210.8	4571.8	38955.	4641.3					
#3	2201.4	4574.1	39087.	4543.7					

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Sample Name: FA32465-7 Acquired: 4/6/2016 15:02:07 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0016	432.4	.0926	1.329	.0036	4287.	.0255	.1038	.4466
Stddev	.0008	2.1	.0045	.005	.0004	20.	.0010	.0004	.0019
%RSD	49.85	.4963	4.894	.3446	9.907	.4598	4.011	.3592	4.288
#1	-.0010	433.7	.0911	1.326	.0036	4283.	.0247	.1035	.4445
#2	-.0025	430.0	.0977	1.327	.0032	4270.	.0267	.1036	.4483
#3	-.0013	433.7	.0890	1.334	.0039	4309.	.0252	.1042	.4470
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	11.43	357.3	22.94	457.0	17.98	.0120	86.17	.2162	.6548
Stddev	.03	1.4	.28	2.8	.06	.0014	.46	.0025	.0054
%RSD	.2617	.3957	1.208	.6196	.3251	11.65	.5310	1.165	.8195
#1	11.42	358.1	23.13	458.5	17.93	.0128	86.51	.2136	.6610
#2	11.46	355.7	23.06	453.7	18.04	.0104	85.65	.2164	.6515
#3	11.40	358.2	22.62	458.8	17.97	.0128	86.37	.2187	.6519
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0131	.0137	2.914	.0314	32.30	6.377	-0.0070	.4456	3.763
Stddev	.0102	.0165	.004	.0021	.06	.014	.0118	.0007	.006
%RSD	78.23	120.8	.1408	6.741	.1758	.2230	167.5	1.663	.1685
#1	-.0015	.0310	2.910	.0326	32.36	6.362	-.0150	.4464	3.762
#2	-.0211	.0118	2.913	.0290	32.24	6.390	-.0126	.4452	3.757
#3	-.0166	-.0018	2.918	.0328	32.29	6.379	.0065	.4452	3.769
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2199.9	4883.6	42209.	4912.6					
Stddev	1.0	7.7	101.	34.5					
%RSD	.04517	.15675	.23966	.70311					
#1	2198.8	4891.2	42296.	4879.4					
#2	2200.3	4875.8	42098.	4948.4					
#3	2200.6	4883.8	42234.	4910.0					

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7.3
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Sample Name: FA32465-8 Acquired: 4/6/2016 15:06:37 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.6332	401.7	.6777	F 64.71	.0028	2974.	.5241	.3282	3.804
Stddev	.0057	1.3	.0061	.87	.0001	28.	.0025	.0016	.021
%RSD	.9063	.3260	.8956	1.344	3.774	.9284	.4774	5.016	.5611
#1	.6302	400.4	.6711	63.87	.0029	2944.	.5269	.3274	3.813
#2	.6296	403.0	.6789	64.66	.0027	2997.	.5231	.3271	3.780
#3	.6399	401.9	.6831	65.61	.0028	2981.	.5223	.3301	3.819
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	F 48.41	2607.	22.97	232.1	F 67.50	.2043	20.39	1.892	31.59
Stddev	.15	13.	.38	2.2	.49	.0022	.11	.004	.10
%RSD	.3002	.5082	1.664	.9597	.7301	1.085	.5493	2.288	.3318
#1	48.26	2592.	22.53	229.7	66.99	.2040	20.26	1.897	31.50
#2	48.41	2615.	23.20	234.1	67.53	.2023	20.46	1.888	31.71
#3	48.55	2614.	23.18	232.6	67.97	.2067	20.44	1.891	31.56
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.601	-0.0290	2.910	5.470	16.85	9.653	-0.0020	.3838	F 64.42
Stddev	.018	.0095	.012	.011	.04	.014	.0185	.0010	.10
%RSD	.3299	32.80	.4154	.1956	.2309	.1475	927.9	2.657	.1511
#1	5.617	-.0362	2.917	5.479	16.80	9.646	.0187	.3847	64.50
#2	5.604	-.0182	2.896	5.458	16.88	9.644	-.0170	.3827	64.45
#3	5.581	-.0324	2.917	5.474	16.86	9.669	-.0077	.3840	64.31
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2334.6	4683.8	40618.	4706.3					
Stddev	3.9	8.0	108.	17.7					
%RSD	.16650	.17007	.26539	.37523					
#1	2338.5	4685.7	40597.	4725.7					
#2	2330.7	4690.7	40734.	4691.1					
#3	2334.6	4675.1	40521.	4702.2					

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Sample Name: FA32465-9 Acquired: 4/6/2016 15:11:20 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.900	548.1	.6310	F 180.6	.0086	2195.	2.029	.3123	11.93
Stddev	.0036	1.5	.0071	3.1	.0002	16.	.006	.0022	.05
%RSD	3.996	.2748	1.133	1.737	2.471	.7180	.3113	.6907	.3897
#1	.0917	549.6	.6383	182.0	.0086	2213.	2.022	.3139	11.88
#2	.0924	546.6	.6240	182.9	.0084	2188.	2.033	.3098	11.92
#3	.0859	548.2	.6307	177.1	.0089	2183.	2.033	.3111	11.98
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	F 42.85	F 4407.	10.47	716.8	F 52.05	.4183	15.20	3.262	8.950
Stddev	.14	18.	.07	3.1	.09	.0019	.01	.004	.024
%RSD	.3244	.4065	.6925	.4332	.1774	.4565	.0788	.1085	.2655
#1	42.94	4428.	10.40	720.3	52.02	.4194	15.22	3.258	8.934
#2	42.93	4396.	10.48	714.6	51.97	.4194	15.20	3.265	8.939
#3	42.69	4397.	10.54	715.5	52.15	.4161	15.20	3.263	8.977
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)								

Sample Name: FA32465-11 Acquired: 4/6/2016 15:16:03 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.024	914.2	2.275	95.11	0.121	F 6481.	0.366	4.109	1.704
Stddev	0.010	4.8	0.078	0.050	0.004	68.	0.006	0.008	0.07
%RSD	43.40	5.267	3.410	5.224	3.716	1.057	1.713	1.884	4.036
#1	-0.034	908.8	2.188	94.93	0.116	6408.	0.373	4.100	1.697
#2	-0.013	918.1	2.337	94.73	0.123	6543.	0.360	4.111	1.710
#3	-0.025	915.7	2.301	95.68	0.124	6491.	0.365	4.115	1.707
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.325	1089.	42.56	87.97	F 45.90	0.497	11.38	4.167	3.187
Stddev	0.04	6.	0.41	0.99	0.28	0.017	0.05	0.020	0.069
%RSD	2.758	5.731	9.520	1.131	6.065	3.354	4.303	4.708	2.166
#1	1.322	1084.	42.23	87.08	45.59	0.513	11.32	4.144	3.153
#2	1.324	1096.	43.01	89.05	46.13	0.498	11.41	4.180	3.267
#3	1.329	1089.	42.43	87.78	45.98	0.479	11.41	4.177	3.143
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.263	-0.004	6.223	0.278	8.756	32.23	0.119	1.347	9819
Stddev	0.050	0.087	0.24	0.065	0.27	2.7	0.086	0.04	0.020
%RSD	18.90	23.14	3.809	23.27	3.067	8.287	72.37	3.126	2.053
#1	-0.297	-0.104	6.196	0.332	8.729	32.06	0.027	1.343	9824
#2	-0.206	0.051	6.237	0.206	8.755	32.10	0.131	1.351	9835
#3	-0.286	0.042	6.237	0.295	8.783	32.54	0.198	1.347	9796
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2140.8	5277.1	45659.	5316.0					
Stddev	3.2	17.6	158.	47.7					
%RSD	0.14990	0.33262	0.34499	0.89668					
#1	2141.2	5293.3	45837.	5358.6					
#2	2137.4	5279.5	45600.	5264.5					
#3	2143.7	5258.4	45539.	5324.9					

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Sample Name: FA32465-12 Acquired: 4/6/2016 15:20:48 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.000	1087.	2.161	1.813	0.170	278.0	0.232	6.101	2.058
Stddev	0.032	2.	0.091	0.04	0.005	0.2	0.005	0.033	0.11
%RSD	24160.	2.108	4.191	2.170	2.809	0.647	2.023	5.454	5.479
#1	0.032	1086.	2.077	1.810	0.176	277.9	0.237	6.065	2.064
#2	-0.031	1086.	2.147	1.812	0.167	278.2	0.228	6.109	2.045
#3	-0.001	1090.	2.257	1.818	0.167	277.9	0.232	6.130	2.064
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.239	1350.	46.45	53.12	F 62.84	0.032	7.621	5.411	3.757
Stddev	0.02	1.	0.17	0.36	0.13	0.011	0.059	0.030	0.133
%RSD	1.226	0.870	3.634	6.860	2.134	35.96	7.796	5.587	3.538
#1	1.239	1348.	46.41	52.71	63.00	0.042	7.590	5.422	3.609
#2	1.237	1350.	46.64	53.40	62.76	0.033	7.583	5.377	3.867
#3	1.240	1351.	46.31	53.26	62.77	0.020	7.689	5.435	3.794
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.092	0.085	2.747	0.158	1.216	F 43.62	0.056	1.840	8573
Stddev	0.028	0.032	0.05	0.023	0.07	0.38	0.177	0.006	0.044
%RSD	30.28	415.1	1.869	14.66	5.479	8.640	318.5	3.251	5.095
#1	0.060	0.300	2.742	0.146	1.222	44.03	0.188	1.839	8533
#2	0.105	-0.321	2.752	0.185	1.209	43.28	-0.146	1.834	8568
#3	0.110	0.275	2.748	0.143	1.216	43.55	0.125	1.846	8620
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2454.0	5995.8	51997.	5928.3					
Stddev	1.4	4.9	115.	18.2					
%RSD	0.05764	0.8105	2.2185	3.0685					
#1	2454.4	6001.1	51880.	5945.7					
#2	2452.5	5991.6	52111.	5909.4					
#3	2455.2	5994.6	52001.	5929.7					

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7.3
7

Sample Name: CCV Acquired: 4/6/2016 15:25:24 Type: QC
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2566	41.76	2.032	1.988	2.055	40.68	2.085	2.101	2.055
Stddev	0.015	0.11	0.04	0.03	0.07	0.12	0.06	0.06	0.07
%RSD	0.5703	0.2640	0.1891	0.1496	0.3254	0.2881	0.3119	0.2925	0.3619
#1	2556	41.78	2.028	1.991	2.059	40.77	2.078	2.095	2.051
#2	2560	41.86	2.035	1.987	2.059	40.73	2.084	2.099	2.050
#3	2583	41.65	2.032	1.985	2.047	40.55	2.091	2.107	2.064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.045	40.97	40.95	42.61	2.043	2.109	40.91	2.062	1.989
Stddev	0.006	0.15	0.08	0.24	0.06	0.09	0.09	0.04	0.04
%RSD	0.2846	0.3590	0.2045	0.5521	0.3133	0.4059	0.2306	0.1804	0.2131
#1	2.039	40.98	40.91	42.74	2.039	2.102	41.00	2.060	1.984
#2	2.050	41.12	41.04	42.75	2.040	2.108	40.91	2.060	1.989
#3	2.048	40.82	40.89	42.34	2.050	2.119	40.81	2.066	1.992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.036	2.052	2.318	2.035	2.045	2.023	1.987	1.997	2.056
Stddev	0.008	0.005	0.06	0.00	0.04	0.06	0.11	0.09	0.04
%RSD	0.3748	0.2686	2.589	0.144	1.783	2.765	5.270	4.768	2.079
#1	2.029	2.051	2.312	2.035	2.048	2.018	1.975	1.993	2.051
#2	2.035	2.048	2.319	2.035	2.046	2.022	1.991	1.991	2.056
#3	2.044	2.059	2.324	2.036	2.041	2.029	1.995	2.008	2.060
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 4/6/2016 15:25:24 Type: QC
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2290.5	4690.8	40819.	4605.3					
Stddev	7.1	15.9	179.	18.6					
%RSD	0.31010	0.33848	0.43959	0.40329					
#1	2294.5	4700.7	41020.	4600.3					
#2	2294.7	4699.4	40675.	4589.8					
#3	2282.3	4672.5	40761.	4625.9					

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Sample Name: CCB Acquired: 4/6/2016 15:29:35 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0058	.0006	.0001	.0003	.0122	.0002	.0001	.0001
Stddev	.0005	.0079	.0010	.0002	.0001	.0007	.0001	.0001	.0002
%RSD	461.6	136.0	177.2	138.9	25.57	5.314	28.24	45.30	181.5

#1	-.0004	-.0019	.0013	.0003	.0004	.0123	.0002	.0001	-.0001
#2	.0003	.0140	.0011	.0000	.0003	.0116	.0001	.0001	.0001
#3	.0005	.0054	-.0006	.0000	.0002	.0129	.0002	.0002	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0239	.0170	.0036	.0003	F .0015	.0034	.0000	.0005
Stddev	.0001	.0044	.0061	.0099	.0000	.0003	.0059	.000	.0002
%RSD	60.56	18.44	36.15	277.7	14.67	19.13	172.4	369.8	48.32

#1	-.0002	.0272	.0219	.0145	.0003	.0018	.0005	-.0002	.0003
#2	-.0002	.0257	.0101	.0007	.0003	.0016	.0101	-.0001	.0005
#3	.0000	.0189	.0190	-.0046	.0003	.0012	-.0005	.0001	.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0002	.0000	.0002	.0004	.0015	-.0013	.0002	.0001
Stddev	.0006	.0009	.0002	.0002	.0000	.0001	.0010	.0001	.0000
%RSD	150.6	472.7	906.5	134.0	10.30	7.123	71.47	47.65	18.37

#1	.0002	.0007	.0001	.0003	.0004	.0015	-.0012	.0002	.0001
#2	.0011	-.0008	-.0002	.0004	.0003	.0015	-.0004	.0004	.0001
#3	.0000	.0007	.0002	-.0001	.0004	.0013	-.0023	.0002	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/6/2016 15:29:35 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2589.2	4830.6	4220.1	4709.6
Stddev	2.4	4.4	141.	13.8
%RSD	.09324	.09054	.33368	.29230

#1	2590.2	4834.9	42357.	4721.9
#2	2586.4	4826.2	42161.	4712.3
#3	2590.9	4830.8	42084.	4694.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0239	.0170	.0036	.0003	F .0015	.0034	.0000	.0005
Stddev	.0001	.0044	.0061	.0099	.0000	.0003	.0059	.000	.0002
%RSD	60.56	18.44	36.15	277.7	14.67	19.13	172.4	369.8	48.32

#1	-.0002	.0272	.0219	.0145	.0003	.0018	.0005	-.0002	.0003
#2	-.0002	.0257	.0101	.0007	.0003	.0016	.0101	-.0001	.0005
#3	.0000	.0189	.0190	-.0046	.0003	.0012	-.0005	.0001	.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0002	.0000	.0002	.0004	.0015	-.0013	.0002	.0001
Stddev	.0006	.0009	.0002	.0002	.0000	.0001	.0010	.0001	.0000
%RSD	150.6	472.7	906.5	134.0	10.30	7.123	71.47	47.65	18.37

#1	.0002	.0007	.0001	.0003	.0004	.0015	-.0012	.0002	.0001
#2	.0011	-.0008	-.0002	.0004	.0003	.0015	-.0004	.0004	.0001
#3	.0000	.0007	.0002	-.0001	.0004	.0013	-.0023	.0002	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: FA32465-13 Acquired: 4/6/2016 15:34:08 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0018	669.1	.1128	1.367	.0080	4944.	.0530	.2709	.8400
Stddev	.0025	5.0	.0068	.003	.0004	38.	.0005	.0007	.0009
%RSD	135.1	.7506	6.027	.1907	4.385	.7740	.8505	.2728	.1115

#1	.0041	663.6	.1051	1.367	.0084	4971.	.0535	.2717	.8395
#2	-.0008	670.4	.1154	1.364	.0077	4900.	.0526	.2705	.8395
#3	.0023	673.4	.1179	1.369	.0079	4961.	.0530	.2704	.8411

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.703	660.2	39.58	229.0	38.95	.0117	34.39	2912	2517
Stddev	.007	4.3	.06	1.4	.06	.0009	.16	.0005	.0080
%RSD	.3943	.6485	.1491	.6077	.1511	7.247	.4655	.1841	3.158

#1	1.711	655.6	39.52	228.0	38.96	.0114	34.20	.2916	.2605
#2	1.698	660.9	39.59	228.3	38.88	.0127	34.48	.2906	.2451
#3	1.701	664.0	39.63	230.6	39.00	.0111	34.48	.2913	.2495

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0086	.0082	3.892	.0264	F 47.52	15.25	.0086	6940	2.521
Stddev	.0050	.0163	.019	.0023	.67	.05	.0033	.0012	.005
%RSD	58.48	198.3	.4892	8.639	1.408	.3097	37.84	.1686	.2114

#1	-.0119	-.0001	3.913	.0239	46.85	15.30	.0052	6929	2.515
#2	-.0028	.0271	3.885	.0284	47.51	15.22	.0117	6952	2.522
#3	-.0111	-.0023	3.877	.0268	48.19	15.21	.0090	6937	2.525

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2191.0	5023.5	4399.5	5121.6
Stddev	4.9	8.3	103.	42.2
%RSD	.22171	.16609	.23446	.82378

#1	2188.8	5014.2	4387.6	5155.4
#2	2187.6	5026.2	4404.5	5135.1
#3	2196.5	5030.2	4406.4	5074.3

Sample Name: FA32465-14 Acquired: 4/6/2016 15:38:54 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0014	1223.	.3107	1.128	.0148	429.4	.0102	.4609	1.612
Stddev	.0005	4.	.0128	.001	.0003	2.0	.0004	.0011	.014
%RSD	34.29	.3189	4.118	.0973	1.861	.4676	3.544	.2444	.8642

#1	.0017	1226.	.3158	1.127	.0149	431.3	.0103	.4610	1.628
#2	.0009	1218.	.2962	1.129	.0144	427.3	.0106	.4597	1.601
#3	.0017	1224.	.3202	1.127	.0149	429.7	.0098	.4619	1.607

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6598	1134.	69.63	172.0	F 44.35	.0050	26.16	4477	3082
Stddev	.0022	3.	.12	1.2	.30	.0022	.04	.0020	.0098
%RSD	.3351	.3028	.1747	.7174	.6714	45.13	.1665	.4432	3.170

#1	.6604	1137.	69.76	172.8	44.56	.0035	26.21	4470	.3195
#2	.6573	1130.	69.61	170.6	44.49	.0039	26.15	4500	.3030
#3	.6616	1135.	69.52	172.7	44.01	.0075	26.12	4462	.3022

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg									

Sample Name: FA32465-15 Acquired: 4/6/2016 15:43:30 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.021	1371.	.3665	1.187	.0163	341.1	.0113	.5231	1.835
Stddev	.0036	5.	.0077	.002	.0004	.7	.0012	.0019	.005
%RSD	169.2	.3583	2.094	.1494	2.477	.2106	10.34	.3572	.2644
#1	-.0063	1371.	.3590	1.189	.0162	341.6	.0100	.5210	1.830
#2	-.0003	1376.	.3662	1.187	.0160	341.5	.0115	.5236	1.835
#3	.0002	1366.	.3744	1.185	.0168	340.3	.0123	.5246	1.840
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	7369	1299.	72.54	171.1	46.62	.0069	29.49	.5281	.3978
Stddev	.0024	5.	.15	1.2	.31	.0016	.14	.0005	.0146
%RSD	.3265	.4073	.2111	.7288	.6726	23.15	.4732	.1017	3.678
#1	.7365	1301.	72.67	170.9	46.46	.0078	29.47	.5285	.3988
#2	.7347	1303.	72.37	172.4	46.98	.0080	29.64	.5275	.4120
#3	.7395	1293.	72.59	170.0	46.42	.0051	29.36	.5282	.3827
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.072	.0101	2.796	.0081	2.127	47.67	.0020	1.655	1.030
Stddev	.0077	.0099	.014	.0025	.008	.10	.0059	.008	.003
%RSD	107.0	98.11	.4972	30.83	.3642	.2085	290.7	5.076	.2610
#1	-.0073	-.0012	2.780	.0088	2.130	47.63	-.0045	1.646	1.033
#2	-.0147	.0174	2.802	.0054	2.133	47.60	.0035	1.662	1.027
#3	.0006	.0140	2.807	.0103	2.118	47.78	.0071	1.657	1.029
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2408.0	6339.5	55213.	6182.1					
Stddev	4.5	14.2	71.	26.5					
%RSD	.18826	.22401	.12777	.42938					
#1	2413.0	6354.4	55231.	6159.8					
#2	2404.1	6338.0	55273.	6175.0					
#3	2407.0	6326.1	55135.	6211.4					

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7.3
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Sample Name: FA32465-16 Acquired: 4/6/2016 15:48:06 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.017	1323.	.3843	1.175	.0163	325.3	.0130	.5140	1.790
Stddev	.0024	1.	.0084	.005	.0005	.7	.0004	.0028	.011
%RSD	142.7	.1049	2.189	.4543	3.109	.2243	3.243	.5457	.6204
#1	-.0016	1323.	.3801	1.175	.0162	325.9	.0127	.5137	1.788
#2	-.0007	1321.	.3788	1.179	.0168	324.5	.0127	.5113	1.802
#3	-.0040	1324.	.3940	1.169	.0158	325.6	.0135	.5169	1.780
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	7337	1338.	70.41	168.9	46.46	.0086	27.58	.5098	.4907
Stddev	.0019	2.	.31	.7	.15	.0006	.09	.0024	.0099
%RSD	.2585	.1790	.4379	.3978	.3328	6.427	.3405	.4622	2.011
#1	.7317	1339.	70.20	169.6	46.63	.0085	27.55	.5086	.4798
#2	.7354	1335.	70.77	168.4	46.32	.0082	27.69	.5125	.4931
#3	.7338	1339.	70.27	168.7	46.45	.0093	27.51	.5083	.4991
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.136	-.0030	2.793	.0135	2.258	43.26	-.0137	1.610	1.036
Stddev	.0158	.0192	.009	.0025	.005	.07	.0177	.008	.003
%RSD	116.7	629.8	.3288	18.67	.2333	.1708	129.1	4.887	.2846
#1	-.0212	-.0241	2.798	.0107	2.252	43.25	-.0044	1.610	1.034
#2	-.0241	.0014	2.783	.0142	2.263	43.34	-.0341	1.618	1.035
#3	.0046	.0135	2.799	.0155	2.260	43.19	-.0026	1.602	1.040
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2392.6	6208.7	54477.	6212.1					
Stddev	8.8	15.3	137.	28.3					
%RSD	.36657	.24720	.25133	.45514					
#1	2397.1	6214.3	54587.	6180.2					
#2	2398.3	6220.4	54323.	6234.1					
#3	2382.5	6191.3	54520.	6221.9					

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Sample Name: FA32465-17 Acquired: 4/6/2016 15:52:40 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0038	286.9	.1731	1.508	.0023	4113.	.0187	.1123	1.715
Stddev	.0019	1.8	.0122	.007	.0004	42.	.0017	.0006	.006
%RSD	50.32	.6285	7.046	.4792	19.64	1.017	9.105	.5639	.3302
#1	.0031	285.6	.1768	1.511	.0021	4078.	.0196	.1116	1.714
#2	.0024	288.9	.1595	1.514	.0019	4159.	.0167	.1123	1.709
#3	.0060	286.0	.1830	1.500	.0028	4101.	.0197	.1129	1.721
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	8.176	991.4	11.84	1869.	8.789	21.72	.9855	.5054	
Stddev	.016	5.5	.07	15.	.057	.0030	.11	.0035	.0184
%RSD	.1941	.5544	.6332	.8181	.6455	.9913	.5114	.3538	3.634
#1	8.188	987.4	11.82	1858.	8.828	.3005	21.61	.9867	.4942
#2	8.158	997.7	11.92	1887.	8.724	.3014	21.84	.9882	.4953
#3	8.182	989.2	11.78	1863.	8.814	.2959	21.72	.9816	.5265
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0057	-.0021	3.218	.1411	5.020	8.973	-.0078	.3896	11.47
Stddev	.0138	.0041	.016	.0020	.034	.034	.0099	.0015	.01
%RSD	239.8	198.1	.5069	1.407	.6703	.3783	127.6	.3977	.0984
#1	.0099	-.0026	3.233	.1434	4.986	9.010	.0013	.3911	11.47
#2	-.0096	-.0038	3.201	.1400	5.054	8.945	-.0062	.3880	11.48
#3	.0169	-.0051	3.219	.1400	5.021	8.963	-.0184	.3898	11.46
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2163.0	4581.0	40797.	4707.2					
Stddev	4.8	2.3	130.	24.7					
%RSD	.22085	.05069	.31822	.52477					
#1	2167.0	4578.8	40660.	4727.5					
#2	2164.5	4580.8	40919.	4679.7					
#3	2157.7	4583.5	40811.	4714.4					

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Sample Name: FA32465-18 Acquired: 4/6/2016 15:57:08 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0600	502.9	.3762	2.985	.0057	3926.	.0686	.2784	1.712
Stddev	.0020	.8	.0070	.008	.0003	25.	.0009	.0018	.008
%RSD	3.338	.1687	1.853	.2769	5.405	.6378	1.327	.6316	.4414
#1	.0579	503.4	.3842	2.976	.0060	3948.	.0676	.2764	1.709
#2	.0619	503.3	.3715	2.992	.0057	3930.	.0687	.2795	1.720
#3	.0602	501.9	.3729	2.987	.0054	3899.	.0694	.2795	1.706
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.198	2644.	22.85	1020.	20.38	.2233	23.04	1.282	1.480
Stddev	.008	7.	.25	4.	.11	.0017	.04	.003	.013
%RSD	.2500	.2666	1.082	.3669	.5361	.7595	.1692	.2337	.8517
#1	3.206	2649.	22.60	1024.	20.38	.2235	23.08	1.285	1.470
#2	3.199	2647.	23.09						

Sample Name: FA32465-19 Acquired: 4/6/2016 16:01:37 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	12.15	2.479	5.928	0.133	468.2	0.008	3.109	1.067
Stddev	0.016	3.	0.074	0.043	0.003	0.3	0.011	0.002	0.04
%RSD	571.6	2439	2.987	7.257	1.956	0.055	130.8	0.744	3.650
#1	0.015	12.15	2.399	5.897	0.130	468.1	0.006	3.111	1.071
#2	-0.017	12.13	2.546	5.909	0.133	467.9	-0.002	3.108	1.063
#3	-0.007	12.19	2.492	5.977	0.135	468.4	0.019	3.107	1.067
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	4.639	1046.	40.36	128.9	27.98	0.074	46.78	1.905	2.621
Stddev	0.027	2.	0.27	7.	1.7	0.017	0.8	0.030	0.050
%RSD	0.5790	1.954	0.6696	5.796	6.086	23.48	1.808	1.599	1.912
#1	4.640	1045.	40.50	128.2	27.91	0.088	46.78	1.874	2.673
#2	4.611	1045.	40.05	128.8	28.17	0.054	46.86	1.906	2.573
#3	4.665	1049.	40.53	129.7	27.85	0.080	46.69	1.935	2.617
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.032	0.000	3.322	0.104	4.243	42.02	-0.082	1.699	7.885
Stddev	0.115	0.023	0.04	0.027	0.06	1.0	0.056	0.005	0.023
%RSD	353.7	85840.	1.304	26.32	1.414	2.378	68.74	2.698	2.938
#1	-0.046	0.028	3.317	0.125	4.238	41.93	-0.104	1.701	7.889
#2	-0.140	-0.028	3.322	0.113	4.240	41.98	-0.123	1.694	7.906
#3	0.088	-0.009	3.326	0.073	4.249	42.13	-0.018	1.702	7.860
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2408.2	5654.9	49389.	5600.4					
Stddev	3.3	11.2	50.	20.1					
%RSD	0.13854	0.19823	0.10206	0.35971					
#1	2405.5	5662.6	49436.	5612.6					
#2	2412.0	5660.1	49336.	5611.4					
#3	2407.2	5642.1	49396.	5577.1					

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Sample Name: FA32465-20 Acquired: 4/6/2016 16:06:14 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.266	1300.	6.016	3.599	0.161	70.14	0.064	8.693	1.003
Stddev	0.029	4.	0.094	0.20	0.002	0.39	0.007	0.039	0.04
%RSD	10.87	3.086	1.561	5.490	1.437	5.505	0.7719	4.523	3.491
#1	0.252	1297.	5.980	3.604	0.159	69.69	0.092	8.649	1.003
#2	0.299	1298.	6.123	3.577	0.163	70.33	0.093	8.703	1.006
#3	0.247	1304.	5.946	3.616	0.161	70.40	0.0957	8.726	9.989
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.130	1728.	92.15	92.11	F 233.0	1.098	17.55	1.430	3.873
Stddev	0.13	5.	0.64	0.54	1.1	0.014	0.16	0.04	0.042
%RSD	5.945	2.828	0.6929	0.5832	4.590	1.247	0.8930	2.988	1.088
#1	2.145	1725.	91.64	91.54	233.1	1.084	17.55	1.428	3.922
#2	2.123	1725.	91.95	92.18	234.0	1.099	17.39	1.428	3.851
#3	2.123	1733.	92.87	92.61	231.9	1.111	17.70	1.435	3.847
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.584	0.037	3.989	0.259	1.602	38.00	0.702	3.772	1.467
Stddev	0.067	0.020	0.03	0.056	0.01	2.0	0.150	0.021	0.06
%RSD	11.41	55.41	0.695	21.57	0.795	5.334	21.42	5.685	4.384
#1	0.660	0.059	3.988	0.323	1.600	37.77	0.675	3.770	1.461
#2	0.557	0.163	3.986	0.230	1.602	38.05	0.864	3.795	1.467
#3	0.535	0.049	3.992	0.224	1.603	38.16	0.566	3.752	1.474
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2437.4	5658.8	49959.	5641.9					
Stddev	3.8	11.3	24.	25.9					
%RSD	0.15424	0.19919	0.4799	0.45874					
#1	2436.4	5662.0	49941.	5671.4					
#2	2434.2	5668.1	49986.	5623.1					
#3	2441.5	5646.3	49950.	5631.2					

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7.3
7

Sample Name: MP30214-MB1 Acquired: 4/6/2016 16:10:50 Type: QC
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.027	F 2327	-0.001	0.018	-0.004	0.737	-0.003	-0.001
Stddev	0.009	0.487	0.044	0.004	0.000	0.063	0.001	0.003
%RSD	32.33	20.91	85.12	21.23	4.429	8.599	24.52	375.8
#1	-0.017	2.742	0.039	0.022	-0.004	0.795	-0.004	-0.002
#2	-0.031	2.447	-0.048	0.015	-0.004	0.669	-0.003	0.003
#3	-0.034	1.791	0.008	0.016	-0.004	0.746	-0.002	-0.004
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		1.000						
Low Limit		-1.000						
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.005	-0.004	F 3089	1.892	-0.0354	F 0.127	0.005	-0.0701
Stddev	0.009	0.015	0.195	0.1427	0.032	0.010	0.003	0.587
%RSD	195.8	381.8	6.323	75.43	93.88	7.683	50.66	83.82
#1	-0.006	-0.004	3.281	1.664	-0.041	0.137	0.004	-0.093
#2	0.007	0.011	3.096	3.420	-0.0702	0.125	0.003	-1.266
#3	0.013	-0.019	2.890	0.593	-0.0318	0.118	0.008	-0.743
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			1.500			0.075		
Low Limit			-1.500			-0.075		
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.010	F 0.063	-0.009	-0.039	0.226	F 0.536	0.003	F 0.143
Stddev	0.007	0.029	0.053	0.026	0.011	0.017	0.002	0.010
%RSD	64.51	46.00	602.5	67.53	4.922	3.194	51.18	7.156
#1	-0.018	0.080	-0.021	-0.040	0.238	0.522	0.004	0.154
#2	-0.005	0.080	-0.049	-0.012	0.225	0.530	0.005	0.142
#3	-0.008	0.030	-0.054	-0.064	0.216	0.555	0.001	0.134
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Fail
High Limit		0.025				0.0250		0.050
Low Limit		-0.025				-0.0250		-0.050

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Sample Name: MP30214-MB1 Acquired: 4/6/2016 16:10:50 Type: QC
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ti1908	V_2924	Zn2062	
Units	ppm	ppm	ppm	
Avg	F -0.077	0.003	F 0.358	
Stddev	0.033	0.005	0.002	
%RSD	42.46	201.1	4.281	
#1	-0.040	0.008	0.359	
#2	-0.103	0.000	0.356	
#3	-0.087	-0.001	0.358	
Check ?	Chk Fail	Chk Pass	Chk Fail	
High Limit	0.050		0.100	
Low Limit	-0.050		-0.100	
Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2598.0	4850.7	42437.	4655.8
Stddev	2.6	11.5	125.	22.8
%RSD	0.09880	0.23699	0.29519	0.48983
#1	2595.0	4845.4	42313.	4672.5
#2	2599.6	4863.8	42434.	4629.8
#3	2599.3	4842.8	42563.	4665.0

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Sample Name: MP30214-B1 Acquired: 4/6/2016 16:15:23 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0451	28.52	1.879	1.874	.0496	25.97	.0504	.5157	.2003
Stddev	.0007	.13	.001	.004	.0002	.14	.0001	.0021	.0006
%RSD	1.538	.4558	.0418	.2339	.3582	.5238	.1702	.4131	.2875

#1	.0452	28.66	1.879	1.877	.0495	25.93	.0505	.5142	.2003
#2	.0444	28.50	1.878	1.877	.0494	25.86	.0504	.5148	.1997
#3	.0457	28.40	1.878	1.869	.0498	26.13	.0504	.5181	.2009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2473	28.07	25.55	27.53	.5133	.5120	25.53	.5103	.4648
Stddev	.0025	.14	.21	.41	.0011	.0026	.07	.0013	.0026
%RSD	.9989	.4965	.8036	1.477	.2217	.5030	.2919	.2565	.5504

#1	.2488	27.96	25.68	27.31	.5128	.5090	25.50	.5099	.4650
#2	.2444	28.02	25.65	27.28	.5125	.5138	25.62	.5091	.4621
#3	.2486	28.22	25.31	28.00	.5146	.5131	25.48	.5117	.4672

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4680	1.925	.0423	.5536	.4883	.5020	1.815	.4572	.5462
Stddev	.0032	.017	.0063	.0019	.0012	.0010	.004	.0022	.0010
%RSD	.6813	.8797	14.90	.3363	.2441	.1911	.2051	.4910	.1867

#1	.4705	1.929	.0356	.5556	.4882	.5022	1.816	.4547	.5450
#2	.4644	1.907	.0481	.5520	.4896	.5009	1.811	.4577	.5469
#3	.4691	1.940	.0434	.5532	.4872	.5028	1.818	.4591	.5466

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30214-B1 Acquired: 4/6/2016 16:15:23 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2540.5	4828.3	42224.	4596.2
Stddev	3.4	13.1	157.	22.6
%RSD	.13505	.27179	.37145	.49074

#1	2539.4	4824.2	42297.	4591.3
#2	2544.4	4843.0	42331.	4620.8
#3	2537.8	4817.8	42044.	4576.4

Sample Name: CCV Acquired: 4/6/2016 16:19:42 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2595	42.10	2.054	1.983	2.050	40.52	2.113	2.144	2.045
Stddev	.0005	.20	.003	.007	.011	.26	.003	.001	.006
%RSD	.1862	.4682	.1362	.3579	.5261	.6390	.1366	.0504	.2990

#1	.2600	42.10	2.056	1.987	2.054	40.63	2.116	2.145	2.044
#2	.2595	42.29	2.051	1.987	2.057	40.70	2.112	2.143	2.051
#3	.2590	41.90	2.055	1.975	2.037	40.22	2.111	2.144	2.039

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.059	41.00	40.88	42.99	2.006	2.148	40.85	2.062	1.989
Stddev	.004	.21	.21	.27	.009	.004	.20	.001	.003
%RSD	.1704	.5078	.5100	.6258	.4536	.2035	.4844	.0694	.1497

#1	2.063	41.03	40.91	42.87	2.012	2.152	40.90	2.083	1.992
#2	2.058	41.19	41.07	43.30	2.011	2.144	41.03	2.080	1.986
#3	2.056	40.78	40.66	42.80	1.996	2.149	40.64	2.083	1.989

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.061	2.091	2.354	2.042	2.035	1.995	1.987	1.983	2.059
Stddev	.002	.003	.006	.005	.010	.005	.004	.006	.004
%RSD	.1154	.1429	.2413	.2348	.4939	.2404	.1970	.3133	.2057

#1	2.062	2.093	2.352	2.043	2.042	2.000	1.991	1.984	2.064
#2	2.058	2.088	2.349	2.045	2.040	1.995	1.986	1.988	2.059
#3	2.062	2.092	2.360	2.036	2.024	1.990	1.983	1.976	2.055

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/6/2016 16:19:42 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2292.1	4643.7	41290.	4619.8
Stddev	8.3	9.5	91.	42.4
%RSD	.36094	.20518	.22070	.91710

#1	2293.4	4646.5	41192.	4608.3
#2	2299.7	4651.5	41305.	4584.5
#3	2283.3	4633.0	41373.	4666.8

Sample Name: CCB Acquired: 4/6/2016 16:23:53 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.0013	.0001	.0002	.0003	.0095	.0002	.0002	.0002
Stddev	.000	.0030	.0001	.0002	.0000	.0002	.0000	.0001	.0002
%RSD	2649.	232.1	110.9	89.80	12.66	1.981	8.600	57.35	104.8
#1	.0003	-.0048	.0000	.0003	.0003	.0093	.0001	.0003	.0001
#2	-.0002	-.0001	.0001	.0004	.0002	.0095	.0002	.0001	.0003
#3	.0000	.0010	.0003	.0000	.0003	.0097	.0002	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	.0145	.0188	.0072	.0002	F-.0013	-0.0045	.0000	.0006
Stddev	.0002	.0012	.0312	.0090	.0000	.0002	.0049	.000	.0004
%RSD	48.52	8.473	166.5	126.4	12.38	15.97	108.6	7732.	62.20
#1	-.0002	.0155	-.0157	-.0029	.0003	.0015	-.0017	.0001	.0003
#2	-.0005	.0148	.0451	.0097	.0002	.0012	-.0102	-.0002	.0010
#3	-.0006	.0131	.0269	.0147	.0002	.0011	-.0017	.0001	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	-0.0002	.0005	.0001	.0004	.0011	.0001	.0001	.0001
Stddev	.0006	.0029	.0005	.0001	.0000	.0000	.0011	.0002	.0001
%RSD	49.41	1311.	110.7	110.3	8.463	4.460	1167.	105.6	81.73
#1	.0013	-.0022	.0007	.0000	.0004	.0011	.0003	.0001	.0001
#2	.0016	.0031	.0008	.0001	.0004	.0010	.0011	.0000	.0002
#3	.0005	-.0016	-.0001	.0003	.0004	.0011	-.0011	.0003	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/6/2016 16:23:53 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2633.6	4863.7	42808.	4706.8
Stddev	4.0	21.4	73.	28.6
%RSD	.15278	.44051	.17060	.60775
#1	2631.8	4856.9	42857.	4727.8
#2	2638.2	4887.6	42842.	4674.3
#3	2630.7	4846.4	42724.	4718.5

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	.0145	.0188	.0072	.0002	F-.0013	-0.0045	.0000	.0006
Stddev	.0002	.0012	.0312	.0090	.0000	.0002	.0049	.000	.0004
%RSD	48.52	8.473	166.5	126.4	12.38	15.97	108.6	7732.	62.20
#1	-.0002	.0155	-.0157	-.0029	.0003	.0015	-.0017	.0001	.0003
#2	-.0005	.0148	.0451	.0097	.0002	.0012	-.0102	-.0002	.0010
#3	-.0006	.0131	.0269	.0147	.0002	.0011	-.0017	.0001	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	-0.0002	.0005	.0001	.0004	.0011	.0001	.0001	.0001
Stddev	.0006	.0029	.0005	.0001	.0000	.0000	.0011	.0002	.0001
%RSD	49.41	1311.	110.7	110.3	8.463	4.460	1167.	105.6	81.73
#1	.0013	-.0022	.0007	.0000	.0004	.0011	.0003	.0001	.0001
#2	.0016	.0031	.0008	.0001	.0004	.0010	.0011	.0000	.0002
#3	.0005	-.0016	-.0001	.0003	.0004	.0011	-.0011	.0003	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: FA32672-18 Acquired: 4/6/2016 16:28:25 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.0014	399.2	.0636	2.237	.0115	51.06	-0.0029	.1082	.5903
Stddev	.0006	.2	.0030	.008	.0003	.08	.0000	.0005	.0013
%RSD	42.15	.0590	4.749	.3541	2.257	.1520	1.690	.4596	.2284
#1	-.0020	399.0	.0670	2.241	.0115	51.12	-.0029	.1077	.5887
#2	-.0015	399.4	.0625	2.242	.0112	51.09	-.0030	.1083	.5910
#3	-.0008	399.1	.0614	2.228	.0117	50.97	-.0029	.1087	.5911

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.428	317.4	29.93	38.36	6.044	.0135	2.777	.3916	1.965
Stddev	.004	.4	.12	.25	.02	.0004	.053	.0004	.011
%RSD	.2945	.1208	.3881	.6391	.0309	3.164	1.899	.1094	.5447
#1	1.432	317.3	29.80	38.44	6.044	.0139	2.748	.3919	1.975
#2	1.429	317.8	30.00	38.55	6.046	.0136	2.838	.3919	1.953
#3	1.423	317.1	29.99	38.09	6.042	.0131	2.744	.3911	1.966

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0008	-0.0039	4.490	.0441	.6357	11.79	-0.0082	.6689	.6096
Stddev	.0053	.0175	.000	.0016	.0007	.01	.0026	.0011	.0010
%RSD	627.9	446.5	.0065	3.573	.1139	.1238	32.06	.1692	.1592
#1	-.0069	.0045	4.490	.0423	.6365	11.81	-.0094	.6677	.6100
#2	-.0021	.0078	4.489	.0453	.6352	11.80	-.0099	.6700	.6085
#3	.0023	-.0240	4.490	.0446	.6352	11.78	-.0051	.6689	.6104

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2506.5	5054.4	43832.	4810.6
Stddev	5.4	14.7	152.	8.2
%RSD	.21525	.29019	.34616	.16983
#1	2500.5	5037.5	43699.	4814.7
#2	2510.8	5062.3	43799.	4815.9
#3	2508.3	5063.4	43997.	4801.2

Sample Name: MP30214-D1 Acquired: 4/6/2016 16:32:46 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.0016	356.7	.0588	2.049	.0102	46.65	-0.0025	.0991	.5440
Stddev	.0012	2.7	.0052	.006	.0001	.31	.0003	.0008	.0017
%RSD	75.61	.7477	8.790	.3144	1.319	6.560	10.24	.8028	.3173
#1	-.0016	355.4	.0638	2.048	.0101	46.47	-.0028	.1000	.5421
#2	-.0004	359.8	.0534	2.056	.0102	47.00	-.0023	.0985	.5444
#3	-.0029	354.9	.0592	2.044	.0104	46.47	-.0025	.0989	.5455

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.305	289.9	26.96	34.94	5.521	.0119	2.527	.3500	1.808
Stddev	.003	1.9	.14	.48	.008	.0003	.011	.0009	.004
%RSD	.2236	.6574	.5231	1.366	.1376	2.647	4.276	.2563	.2234
#1	1.304	288.8	26.86	34.46	5.512	.0121	2.521	.3493	1.807
#2	1.302	292.1	27.12	35.41	5.522	.0116	2.540	.3496	1.804
#3	1.308	288.9	26.90	34.94	5.527	.0121	2.521	.3510	1.812

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0004	-0.0043	4.079	.0440	.5764	10.30	-0.0049	.6071	.5274
Stddev	.0029	.0045	.003	.0005	.0025	.01	.0045	.0026	.0004
%RSD	652.8	104.8	.0801	1.194	.4412	.1122	91.83	.4226	.0821
#1	-.0029	-.0079	4.076	.0438	.5754	10.29	-.0045	.6047	.5275
#2	-.0027	-.0007	4.079	.0436	.5792	10.31	-.0096	.6069	.5279
#3	-.0011	-.0057	4.083	.0446	.5744	10.32	-.0006	.6098	.52

Sample Name: MP30214-D2 Acquired: 4/6/2016 16:37:06 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.014	398.3	0.059	2.233	0.113	51.12	-0.030	1.091	5.874
Stddev	.0015	1.0	.0041	.013	.0000	.22	.0004	.0006	.0010
%RSD	109.9	2510	6.237	.5780	.4057	.4329	11.70	.5762	.1787
#1	.0002	399.4	.0704	2.231	.0113	51.36	-.0032	1.086	5.886
#2	-.0016	397.7	.0649	2.247	.0113	51.10	-.0026	1.090	5.867
#3	-.0028	397.7	.0623	2.221	.0112	50.92	-.0033	1.099	5.868
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	1.432	316.9	29.63	38.30	5.996	0.116	2.754	3.894	1.970
Stddev	.005	1.1	.34	.09	.018	.0011	.027	.0007	.007
%RSD	.3261	.3359	1.136	.2411	.2993	9.699	.9811	.1923	.3631
#1	1.438	318.0	29.95	38.40	6.014	.0107	2.729	3.894	1.962
#2	1.430	315.9	29.66	38.27	5.978	.0128	2.750	3.887	1.972
#3	1.429	316.7	29.28	38.22	5.996	.0113	2.782	3.901	1.975
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.030	-0.0087	4.309	0.041	0.635	11.55	-0.093	0.600	5.688
Stddev	.0045	.0050	.017	.0004	.0016	.03	.0048	.0035	.0008
%RSD	150.9	57.82	4.015	.7968	.2556	2.270	51.89	5.571	1.369
#1	.0073	-.0116	4.299	.0457	.6363	11.57	-.0041	.6583	5.681
#2	-.0016	-.0029	4.298	.0464	.6382	11.52	-.0102	.6641	5.696
#3	.0032	-.0116	4.329	.0462	.6350	11.56	-.0135	.6577	5.685
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2495.7	5009.7	44025.	4819.9					
Stddev	5.7	16.3	142.	44.1					
%RSD	.22818	.32494	.32351	.91494					
#1	2499.4	5021.8	43956.	4778.4					
#2	2498.6	5016.1	44189.	4866.2					
#3	2489.2	4991.2	43931.	4814.9					

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Sample Name: MP30214-SD1 Acquired: 4/6/2016 16:41:25 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.047	439.5	0.049	2.466	0.111	54.28	-0.044	1.145	6.307
Stddev	.0068	.9	.0115	.014	.0014	.34	.0004	.0010	.0130
%RSD	144.1	.2003	23.19	.5798	12.42	.6318	9.603	.8616	2.064
#1	.0020	439.0	.0528	2.481	.0095	53.89	-.0040	1.153	6.227
#2	-.0117	440.5	.0370	2.453	.0119	54.42	-.0049	1.134	6.457
#3	-.0045	439.0	.0594	2.464	.0118	54.53	-.0044	1.148	6.237
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	1.412	325.7	37.25	40.51	6.138	0.169	8.105	4.215	1.937
Stddev	.013	1.0	.30	.45	.023	.0013	.433	.0053	.007
%RSD	.9018	.3210	.8095	1.106	.3799	7.891	5.339	1.257	.3483
#1	1.421	325.0	37.08	40.87	6.163	.0175	7.682	4.263	1.931
#2	1.418	325.2	37.60	40.01	6.132	.0179	8.086	4.158	1.936
#3	1.397	326.9	37.07	40.65	6.118	.0154	8.547	4.224	1.945
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.153	-0.189	101.3	0.0458	0.6675	14.57	-0.311	0.6883	0.7590
Stddev	.0159	.0396	4.0	.0022	.0024	.22	.0097	.0033	.0038
%RSD	104.1	209.7	3.969	4.789	3.638	1.514	31.30	4.760	4.969
#1	.0296	-.0357	105.9	.0433	.6650	14.73	-.0372	.6912	.7554
#2	.0181	.0264	99.44	.0474	.6676	14.65	-.0199	.6848	.7629
#3	-.0019	-.0474	98.49	.0467	.6699	14.32	-.0362	.6889	.7587
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2592.6	4942.3	43546.	4778.8					
Stddev	5.3	12.8	119.	13.1					
%RSD	.20467	.25873	.27247	.27363					
#1	2588.4	4938.6	43637.	4790.3					
#2	2598.6	4956.6	43412.	4764.5					
#3	2590.8	4931.8	43589.	4781.5					

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7.3
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Sample Name: MP30214-PS1 Acquired: 4/6/2016 16:45:48 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.039	381.1	1.617	2.352	0.025	53.15	0.042	1.548	6.095
Stddev	.0025	1.2	.0016	.006	.0001	.21	.0002	.0009	.0014
%RSD	5.771	.3077	.9824	.2683	.1096	.3947	.4411	.5725	.2320
#1	.0446	381.9	.1615	2.357	.0626	53.04	.0491	1.555	6.093
#2	.0460	381.6	.1602	2.354	.0625	53.39	.0490	1.538	6.082
#3	.0411	379.7	.1634	2.345	.0624	53.01	.0494	1.552	6.110
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	1.459	303.4	37.71	41.59	5.767	1.146	12.61	4.719	1.911
Stddev	.002	.7	.24	.21	.011	.0006	.08	.0017	.007
%RSD	.1431	.2241	.6461	.4937	.1894	.5532	.6447	.3553	.3490
#1	1.461	303.9	37.63	41.66	5.756	.1139	12.64	4.737	1.914
#2	1.458	303.7	37.98	41.76	5.767	.1145	12.68	4.704	1.903
#3	1.457	302.6	37.52	41.36	5.778	.1152	12.52	4.715	1.916
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	1.102	0.986	4.205	0.906	0.6510	11.25	0.865	0.6788	0.7974
Stddev	.0061	.0068	.002	.0015	.0014	.02	.0025	.0043	.0005
%RSD	5.575	6.868	.0407	1.670	.2115	.1615	2.837	.6371	.0594
#1	.1102	.1028	4.207	.0921	.6498	11.23	.0862	.6738	.7979
#2	.1163	.1021	4.205	.0890	.6525	11.25	.0841	.6815	.7972
#3	.1040	.0907	4.204	.0908	.6507	11.27	.0890	.6812	.7970
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2500.1	5020.8	43778.	4823.8					
Stddev	3.8	3.0	78.	12.9					
%RSD	.15042	.06046	.17890	.26804					
#1	2497.3	5020.7	43815.	4833.1					
#2	2504.4	5023.9	43830.	4809.1					
#3	2498.7	5017.9	43688.	4829.3					

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Sample Name: MP30214-S1 Acquired: 4/6/2016 16:50:07 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0458	463.4	1.993	4.259	0.0659	78.44	0.0498	0.6492	0.8237
Stddev	.0008	1.3	.015	.017	.0004	.24	.0002	.0013	.0035
%RSD	1.731	.2812	.7322	.3958	.5711	3.059	.3970	.1948	4.309
#1	.0464	461.9	1.976	4.256	.0656	78.30	.0500	.6493	.8276
#2	.0449	464.3	2.005	4.277	.0658	78.29	.0498	.6479	.8208
#3	.0460	464.0	1.997	4.244	.0663	78.71	.0497	.6504	.8225
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	1.718	349.7	57.42	68.95	6.548	0.5076	30.37	0.9469	

Sample Name: MP30214-S2 Acquired: 4/6/2016 16:54:24 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.046	444.0	1.907	4.097	0.029	75.44	0.085	0.628	7.881
Stddev	.0009	.9	.007	.016	.0002	.38	.0001	.0017	.0012
%RSD	2.108	.2094	.3721	.3889	.3630	.4991	.2040	.2770	.1570
#1	.0444	443.5	1.912	4.110	.0630	75.33	.0484	.6262	.7869
#2	.0438	445.0	1.899	4.102	.0630	75.85	.0485	.6296	.7894
#3	.0457	443.3	1.911	4.079	.0626	75.12	.0486	.6287	.7879
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.658	336.4	54.69	65.97	6.325	4.867	28.95	9.108	2.395
Stddev	.003	1.6	.16	.42	.012	.0014	.09	.0021	.004
%RSD	.1591	.4611	.2969	.6354	.1946	.2938	.3195	.2300	.1876
#1	1.661	335.6	54.70	65.68	6.312	4.850	28.88	9.086	2.390
#2	1.659	338.2	54.84	66.45	6.335	4.876	28.92	9.109	2.397
#3	1.656	335.5	54.52	65.78	6.329	4.874	29.05	9.128	2.399
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	1.149	1.920	4.504	5.195	1.113	11.17	1.897	1.104	1.054
Stddev	.0030	.020	.009	.0024	.002	.02	.007	.004	.000
%RSD	2.164	1.023	.1987	.4711	.2061	.1401	.3878	.3646	.0282
#1	.1374	1.903	4.496	5.221	1.113	11.16	1.895	1.100	1.054
#2	.1431	1.915	4.501	5.172	1.115	11.19	1.890	1.103	1.054
#3	.1420	1.941	4.514	5.193	1.110	11.16	1.905	1.108	1.054
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2462.9	4986.1	43732.	4854.2					
Stddev	3.0	11.4	115.	40.6					
%RSD	.12244	.22861	.26337	.83691					
#1	2463.0	4993.5	43821.	4885.0					
#2	2459.8	4973.0	43602.	4808.2					
#3	2465.9	4991.8	43774.	4869.5					

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Sample Name: FA31672-21 Acquired: 4/6/2016 16:58:42 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.011	391.1	0.053	1.963	0.103	41.80	-0.024	0.982	5.617
Stddev	.0017	1.8	.0040	.003	.0004	.48	.0003	.0006	.0017
%RSD	144.4	.4568	6.131	.1420	3.837	1.156	14.26	.6164	.3092
#1	-0.020	393.0	.0611	1.967	.0108	42.28	-0.027	.0988	.5632
#2	-0.008	389.5	.0655	1.962	.0102	41.32	-0.025	.0976	.5598
#3	-0.022	390.8	.0691	1.962	.0100	41.82	-0.020	.0984	.5620
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.955	289.6	36.67	36.69	4.860	0.110	2.522	3.752	8.003
Stddev	.0025	2.0	.11	.33	.015	.0009	.049	.0008	.0015
%RSD	.8560	.6956	.3034	.9038	.3045	7.864	1.938	.2189	.1840
#1	.2978	291.9	36.78	37.06	4.865	.0120	2.531	3.744	8.006
#2	.2928	288.1	36.56	36.43	4.843	.0103	2.469	3.753	7.987
#3	.2958	288.9	36.69	36.58	4.871	.0107	2.566	3.760	8.016
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.016	-0.052	4.280	0.053	5.364	10.86	-0.009	5.922	5.058
Stddev	.0023	.0044	.004	.0005	.0020	.02	.0051	.0015	.0012
%RSD	142.0	85.27	.0968	1.037	3.711	.2019	549.8	2.457	2.341
#1	-0.010	-0.011	4.279	.0509	5.387	10.86	-0.055	5.918	5.056
#2	.0029	-0.098	4.278	.0500	5.353	10.84	.0045	5.909	5.047
#3	.0029	-0.046	4.285	.0499	5.353	10.89	-0.018	5.938	5.070
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2511.4	5004.6	43960.	4780.4					
Stddev	4.5	9.1	171.	50.4					
%RSD	.17976	.18200	.38928	1.0540					
#1	2514.4	5005.5	43804.	4724.4					
#2	2506.2	4995.0	44143.	4822.2					
#3	2513.7	5013.2	43933.	4794.5					

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Sample Name: FA31672-24 Acquired: 4/6/2016 17:03:02 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.012	262.8	0.019	1.548	0.077	21.74	-0.030	0.912	4.723
Stddev	.0012	.9	.0012	.007	.0001	.08	.0002	.0005	.0019
%RSD	101.9	.3278	2.376	.4405	1.945	.3762	5.362	.5985	.4049
#1	-0.008	262.9	.0529	1.554	.0078	21.66	-0.029	.0918	.4740
#2	-0.002	263.5	.0523	1.550	.0078	21.73	-0.032	.0912	.4702
#3	-0.026	261.8	.0505	1.541	.0075	21.82	-0.029	.0907	.4728
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	4.675	236.0	19.89	25.96	3.024	0.088	2.539	2.414	6.599
Stddev	.0008	.5	.13	.24	.003	.0001	.038	.0009	.0029
%RSD	.1756	.1951	.6561	.9313	.1112	.9673	1.480	.3732	.4419
#1	.4669	236.2	19.93	25.98	3.026	.0087	2.577	.2421	.6566
#2	.4672	236.3	20.00	26.19	3.021	.0089	2.502	.2404	.6619
#3	.4685	235.5	19.75	25.71	3.027	.0087	2.538	.2416	.6613
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.011	-0.095	4.304	0.0459	3.594	9.390	-0.059	5.251	2.570
Stddev	.0001	.0104	.006	.0014	.0021	.009	.0067	.0003	.0007
%RSD	13.97	108.8	.1506	3.018	.5834	.0915	113.9	.0587	.2833
#1	-0.010	-0.212	4.311	.0468	.3574	9.399	-0.094	5.252	2.564
#2	-0.009	-0.016	4.302	.0443	.3616	9.387	-0.101	5.247	2.566
#3	-0.012	-0.057	4.299	.0465	.3592	9.383	.0018	5.253	2.578
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2542.4	4978.4	43619.	4768.2					
Stddev	3.2	4.6	76.	12.7					
%RSD	.12442	.09259	.17429	.26570					
#1	2538.9	4973.4	43682.	4755.4					
#2	2545.0	4979.2	43641.	4768.5					
#3	2543.2	4982.5	43535.	4780.7					

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Sample Name: FA31929-1 Acquired: 4/6/2016 17:07:21 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.016	246.2	0.0462	1.126	0.070	12.10	-0.031	0.079	4.427
Stddev	.0017	2.9	.0050	.014	.0003	.17	.0001	.0012	.0116
%RSD	110.6	1.159	10.81	1.261	3.651	1.381	4.156	1.821	2.622
#1	.0001	244.8	.0433	1.117	.0073	11.96	-0.032	.0664	.4542
#2	-0.015	244.4	.0520	1.119	.0069	12.05	-0.030	.0684	.4427
#3	-0.033	249.5	.0434	1.143	.0069	12.29	-0.031	.0687	.4310
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	4.078	218.4	15.68	21.91	1.517	0.094	2.432	2.097	8.423
Stddev	.0077	2.9	.09	.45	.031	.0001	.027	.0014	.0030
%RSD	1.897	1.313	.5539	2.058	2.018	1.224	1.108	.6699	.3534

Sample Name: CCV Acquired: 4/6/2016 17:11:43 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2582	42.16	2.043	1.942	2.037	40.05	2.107	2.146	2.024
Stddev	.0004	.11	.004	.005	.009	.17	.002	.002	.005
%RSD	.1506	.2713	.2055	.2415	.4187	.4365	.0898	.1119	.2478
#1	.2579	42.23	2.042	1.941	2.038	40.14	2.105	2.144	2.018
#2	.2586	42.03	2.039	1.937	2.028	39.85	2.107	2.148	2.027
#3	.2582	42.23	2.047	1.947	2.045	40.17	2.109	2.147	2.026

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.073	40.88	40.28	43.44	1.984	2.155	40.54	2.070	1.969
Stddev	.009	.12	.12	.19	.012	.005	.13	.002	.003
%RSD	.4305	.2866	.2933	.4276	.5803	.2405	.3157	.1074	.1425
#1	2.067	40.92	40.26	43.55	1.974	2.149	40.58	2.070	1.972
#2	2.083	40.75	40.18	43.22	1.996	2.159	40.39	2.068	1.969
#3	2.068	40.98	40.41	43.53	1.981	2.156	40.64	2.072	1.967

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.054	2.090	2.347	2.021	2.012	1.972	1.964	1.947	2.043
Stddev	.004	.006	.004	.002	.007	.011	.002	.006	.002
%RSD	.2084	.2733	.1691	.0756	.3561	.5468	.0818	.3360	.0954
#1	2.049	2.090	2.343	2.022	2.013	1.962	1.965	1.940	2.044
#2	2.054	2.084	2.346	2.020	2.004	1.984	1.964	1.952	2.041
#3	2.058	2.096	2.351	2.022	2.018	1.971	1.962	1.951	2.044

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/6/2016 17:11:43 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2309.1	4646.0	41584.	4622.7
Stddev	2.7	10.2	253.	28.5
%RSD	.11655	.21932	.60784	.61584
#1	2311.8	4657.7	41774.	4613.9
#2	2306.4	4640.8	41297.	4654.6
#3	2309.0	4639.5	41680.	4599.7

Sample Name: CCB Acquired: 4/6/2016 17:15:54 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	.0022	.0001	.0001	.0002	.0022	.0001	.0001	-0.0001
Stddev	.0001	.0061	.0004	.0002	.0001	.0027	.0001	.0000	.0001
%RSD	236.4	283.8	417.2	276.6	22.17	118.8	42.09	11.86	92.76
#1	-0.0002	-0.0025	.0000	-0.0001	.0003	.0009	.0001	.0001	.0000
#2	.0000	.0091	.0005	.0001	.0002	.0053	.0002	.0001	-0.0002
#3	.0001	-0.0002	-0.0002	.0003	.0002	.0005	.0001	.0001	-0.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	.0117	.0204	.0099	.0001	F .0015	-0.0093	-0.0001	.0006
Stddev	.0001	.0033	.0196	.0130	.0000	.0003	.0058	.0001	.0003
%RSD	31.09	28.01	96.37	131.9	26.65	18.41	62.91	59.95	51.00
#1	-0.0006	.0146	.0287	.0236	.0001	.0017	-0.0107	-0.0001	.0009
#2	-0.0004	.0124	.0344	-0.0023	.0001	.0015	-0.0142	-0.0002	.0003
#3	-0.0003	.0081	-0.0021	.0084	.0001	.0012	-0.0029	.0000	.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	-0.0009	.0003	.0001	.0003	.0010	-0.0004	.0001	.0001
Stddev	.0005	.0011	.0001	.0003	.0001	.0001	.0004	.0002	.0000
%RSD	48.75	121.7	27.71	252.8	25.91	7.426	84.04	364.9	15.71
#1	.0011	-0.0012	.0002	-0.0001	.0004	.0011	-0.0007	.0002	.0002
#2	.0014	-0.0018	.0003	.0000	.0002	.0010	-0.0006	.0001	.0001
#3	.0005	.0003	.0002	.0004	.0003	.0010	.0000	-0.0002	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/6/2016 17:15:54 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2623.8	4825.0	42751.	4656.3
Stddev	1.3	10.0	201.	15.6
%RSD	.05104	.20805	.47112	.33570
#1	2622.6	4823.3	42619.	4638.3
#2	2625.3	4815.9	42652.	4665.1
#3	2623.6	4835.8	42983.	4665.5

Sample Name: FA31929-5 Acquired: 4/6/2016 17:20:27 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.011	146.8	.0275	.7170	.0034	17.55	-0.017	.0372	.2623
Stddev	.0005	.2	.0016	.0028	.0001	.03	.0003	.0009	.0036
%RSD	42.57	.1034	5.671	.3880	2.931	.1688	15.05	2.474	1.362
#1	-.0010	147.0	.0259	.7171	.0033	17.52	-.0014	.0375	.2629
#2	-.0016	146.7	.0290	.7142	.0035	17.58	-.0019	.0362	.2656
#3	-.0007	146.7	.0274	.7198	.0033	17.54	-.0017	.0380	.2585
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2764	141.9	15.89	13.11	1.269	.0091	1.435	1.252	1.613
Stddev	.0014	.5	.09	.18	.005	.0004	.008	.0011	.006
%RSD	.5159	.3269	.5956	1.404	.3685	4.236	.5351	.8641	.3586
#1	.2781	142.3	15.97	12.89	1.272	.0093	1.429	1.259	1.610
#2	.2756	142.1	15.91	13.23	1.272	.0094	1.444	1.239	1.610
#3	.2756	141.4	15.78	13.20	1.264	.0087	1.432	1.257	1.620
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0014	-0.0057	3.356	.0449	.2034	5.475	-0.069	.3310	2.202
Stddev	.0021	.0069	.004	.0030	.0009	.006	.0088	.0008	.0007
%RSD	145.1	121.6	.1276	6.637	.4627	.1163	127.4	.2286	.3335
#1	-.0002	.0006	3.351	.0480	.2033	5.482	-.0166	.3316	.2000
#2	.0038	-.0130	3.359	.0421	.2043	5.473	-.0050	.3312	.1996
#3	.0007	-.0046	3.359	.0446	.2024	5.470	.0008	.3302	.2010
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2563.0	4878.5	43320.	4657.5					
Stddev	6.5	8.4	145.	11.6					
%RSD	.25283	.17170	.33498	.24932					
#1	2558.1	4871.6	43423.	4647.9					
#2	2560.7	4876.2	43154.	4654.2					
#3	2570.4	4887.8	43384.	4670.4					

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Sample Name: FA31929-8 Acquired: 4/6/2016 17:24:50 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.006	315.7	.0430	2.385	.0080	37.42	-0.027	.0704	.4696
Stddev	.0010	1.1	.0063	.014	.0003	.29	.0002	.0001	.0014
%RSD	153.9	.3453	14.65	.5914	3.360	.7868	6.068	.1389	.2988
#1	-.0008	316.1	.0367	2.390	.0081	37.43	-.0029	.0704	.4698
#2	-.0015	316.5	.0430	2.395	.0082	37.70	-.0026	.0705	.4681
#3	.0004	314.5	.0492	2.369	.0077	37.12	-.0026	.0703	.4709
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.561	266.8	20.56	23.55	5.137	.0138	2.642	.2745	.8841
Stddev	.011	1.7	.14	.34	.011	.0010	.037	.0009	.0062
%RSD	.3102	.6493	.6889	1.461	.2130	6.990	1.410	.3158	.7062
#1	3.550	266.9	20.69	23.73	5.137	.0145	2.631	.2755	.8849
#2	3.572	268.5	20.58	23.77	5.126	.0127	2.611	.2739	.8775
#3	3.560	265.0	20.41	23.15	5.148	.0143	2.683	.2742	.8899
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0003	-0.0131	4.407	.0460	.6212	8.279	.0004	.5995	.4032
Stddev	.0032	.0025	.016	.0018	.0019	.009	.0026	.0020	.0007
%RSD	1067.	18.79	.3555	3.990	.3079	.1041	728.2	.3318	.1726
#1	-.0021	-.0141	4.403	.0442	.6213	8.276	.0019	.6006	.4030
#2	-.0009	-.0103	4.424	.0461	.6231	8.272	-.0026	.6006	.4027
#3	.0039	-.0150	4.394	.0479	.6193	8.288	.0018	.5972	.4040
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2523.4	4911.0	43831.	4757.7					
Stddev	1.8	12.5	146.	46.5					
%RSD	.07079	.25427	.33255	.97733					
#1	2525.3	4917.8	43985.	4742.8					
#2	2521.8	4896.6	43813.	4720.4					
#3	2523.2	4918.6	43695.	4809.8					

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7.3
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Sample Name: FA31929-12 Acquired: 4/6/2016 17:29:12 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.029	133.6	.0464	.3634	.0039	7.375	-0.023	.0449	.3350
Stddev	.0011	.0	.0040	.0023	.0002	.041	.0001	.0004	.0019
%RSD	37.84	.0161	8.633	.6212	5.000	.5514	4.768	.9572	.5592
#1	-.0019	133.5	.0418	.3648	.0039	7.418	-.0022	.0454	.3347
#2	-.0026	133.6	.0489	.3646	.0036	7.368	-.0023	.0448	.3370
#3	-.0040	133.6	.0486	.3608	.0040	7.337	-.0024	.0445	.3332
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1609	146.0	15.55	16.62	.5974	2.091	1.295	.6537	
Stddev	.0006	.2	.15	.08	.0024	.0005	.039	.0008	.0010
%RSD	.3943	.1420	.9812	.4555	.3948	8.316	1.845	.6350	.1557
#1	.1601	146.3	15.40	16.67	.5952	.0062	2.128	.1287	.6547
#2	.1611	145.9	15.70	16.53	.5999	.0052	2.094	.1295	.6527
#3	.1613	145.9	15.56	16.65	.5970	.0059	2.051	.1303	.6537
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0011	-0.0029	3.128	.0448	.1071	6.295	-0.073	.3255	.2147
Stddev	.0028	.0103	.009	.0020	.0001	.002	.0040	.0014	.0005
%RSD	245.6	351.4	.2908	4.550	.0675	.0351	54.15	.4216	.2501
#1	-.0013	-.0031	3.138	.0441	.1071	6.295	-.0058	.3265	.2144
#2	.0042	-.0131	3.127	.0470	.1071	6.293	-.0044	.3260	.2144
#3	.0005	.0074	3.120	.0431	.1070	6.298	-.0118	.3239	.2153
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2558.8	4869.8	43265.	4695.7					
Stddev	1.5	15.2	64.	32.4					
%RSD	.06054	.31147	.14797	.69093					
#1	2557.2	4854.1	43277.	4659.2					
#2	2559.0	4870.9	43323.	4706.2					
#3	2560.3	4884.4	43196.	4721.5					

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Sample Name: FA31929-15 Acquired: 4/6/2016 17:33:34 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.023	187.8	.0740	.6155	.0069	7.775	-0.032	.0971	.5107
Stddev	.0004	1.4	.0020	.0016	.0002	.10	.0002	.0004	.0005
%RSD	17.94	.7209	2.666	.2548	3.171	.1335	4.731	.4153	.0913
#1	-.0027	186.8	.0748	.6155	.0070	7.766	-.0030	.0967	.5103
#2	-.0020	187.1	.0717	.6139	.0066	7.787	-.0033	.0971	.5113
#3	-.0020	189.3	.0754	.6170	.0069	7.772	-.0033	.0975	.5106
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203

Sample Name: FA31929-18 Acquired: 4/6/2016 17:37:55 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.015	177.5	0.383	7.862	0.040	15.13	-0.026	0.075	3.132
Stddev	0.0014	.5	.0044	.0029	.0003	.06	.0002	.0006	.0007
%RSD	91.61	.2609	11.36	.3672	6.380	.3900	5.911	1.523	.2117
#1	-0.027	177.4	.0392	.7829	.0042	15.18	-0.027	.0377	.3140
#2	-0.018	178.0	.0336	.7880	.0037	15.15	-0.027	.0379	.3130
#3	.0000	177.0	.0422	.7878	.0042	15.07	-0.024	.0368	.3127
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	4.457	165.4	14.89	15.86	9.551	0.083	1.738	1.492	1.712
Stddev	.0009	.5	.07	.25	.0011	.0008	.025	.0004	.003
%RSD	.1981	.2863	.4768	1.592	.1134	9.808	1.450	.2418	.1444
#1	4.457	166.0	14.88	15.61	.9552	.0081	1.712	1.491	1.714
#2	4.449	165.1	14.97	15.86	.9539	.0076	1.762	1.495	1.709
#3	4.466	165.2	14.83	16.11	.9561	.0092	1.740	1.488	1.712
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.017	-0.149	3.538	0.047	2.196	6.077	-0.031	3.807	2.298
Stddev	.0027	.0108	.006	.0004	.0014	.004	.0021	.0009	.0005
%RSD	160.2	72.34	.1749	.9083	.6587	.0585	69.79	.2420	.2178
#1	.0018	-0.0026	3.531	.0465	.2192	6.081	-0.0055	.3810	.2292
#2	-0.011	-0.0227	3.544	.0472	.2212	6.074	-0.0015	.3797	.2299
#3	.0043	-0.0195	3.540	.0465	.2184	6.075	-0.0022	.3815	.2302
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2556.8	4866.1	4345.2	4710.3					
Stddev	9.3	.8	45.	36.3					
%RSD	.36487	.01679	.10421	.77086					
#1	2546.5	4865.1	4348.3	4668.4					
#2	2564.7	4866.5	4347.3	4732.3					
#3	2559.2	4866.6	4340.0	4730.2					

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Sample Name: FA31929-21 Acquired: 4/6/2016 17:42:18 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0027	254.0	0.304	1.863	0.056	34.81	-0.011	0.056	3.910
Stddev	.0013	1.2	.0030	.007	.0005	.14	.0002	.0005	.0015
%RSD	49.16	.4564	9.935	.3519	8.102	.3905	16.01	.9638	.3897
#1	-0.022	254.9	.0339	1.861	.0060	34.97	-0.013	.0550	.3901
#2	-0.042	254.3	.0285	1.858	.0057	34.72	-0.012	.0557	.3901
#3	-0.017	252.7	.0288	1.871	.0051	34.74	-0.009	.0560	.3927
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.339	210.8	19.02	19.25	4.303	0.098	2.394	2.506	2.813
Stddev	.002	.8	.10	.21	.013	.0002	.029	.0004	.004
%RSD	.0880	.3776	.5218	1.082	.2968	2.430	1.208	.1533	.1408
#1	2.339	211.5	18.92	19.36	4.289	.0096	2.420	.2502	2.814
#2	2.337	211.0	19.12	19.38	4.312	.0097	2.400	.2509	2.817
#3	2.341	209.9	19.02	19.01	4.310	.0100	2.363	.2508	2.809
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.001	-0.098	4.210	0.0485	5.260	6.181	-0.108	4.582	5.064
Stddev	.0021	.0079	.021	.0014	.0014	.011	.0019	.0019	.0011
%RSD	246.8	80.12	.4984	2.979	.2638	1.736	17.73	.4153	.2115
#1	-0.004	-0.116	4.204	.0475	.5276	6.169	-0.122	.4566	.5075
#2	-0.020	-0.166	4.192	.0502	.5253	6.186	-0.117	.4603	.5061
#3	.0021	-0.012	4.233	.0478	.5251	6.188	-0.086	.4577	.5055
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2527.7	4861.0	4357.0	4753.8					
Stddev	4.0	13.6	9.	17.1					
%RSD	.15691	.27960	.02106	.35891					
#1	2523.2	4860.4	4357.0	4741.9					
#2	2530.5	4874.9	4358.0	4746.2					
#3	2529.4	4847.8	4356.1	4773.4					

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7.3
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Sample Name: FA31929-22 Acquired: 4/6/2016 17:46:40 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0027	269.1	0.341	2.003	0.061	36.32	-0.015	0.085	4.272
Stddev	.0012	.4	.0055	.004	.0003	.10	.0002	.0004	.0012
%RSD	44.48	.1611	16.21	.1979	4.411	28.48	13.26	.6115	28.70
#1	-0.016	268.9	.0280	1.999	.0063	36.33	-0.013	.0581	4.259
#2	-0.025	268.8	.0387	2.004	.0058	36.42	-0.016	.0586	4.276
#3	-0.040	269.6	.0356	2.007	.0063	36.22	-0.016	.0588	4.282
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.335	222.2	18.97	20.42	4.611	0.104	2.420	2.684	1.776
Stddev	.005	.5	.12	.14	.017	.0003	.035	.0008	.007
%RSD	.2250	.2281	.6095	.7000	.3577	3.084	1.432	.3115	.3904
#1	2.331	221.6	19.09	20.26	4.594	.0104	2.382	.2685	1.783
#2	2.341	222.2	18.86	20.47	4.610	.0107	2.428	.2692	1.769
#3	2.334	222.7	18.95	20.53	4.627	.0100	2.450	.2675	1.775
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.005	-0.113	4.332	0.051	5.525	6.542	-0.072	4.826	4.618
Stddev	.0030	.0048	.016	.0011	.0011	.016	.0059	.0020	.0013
%RSD	637.4	42.37	.3768	2.155	.2029	2.363	81.70	.4092	.2855
#1	-0.011	-0.164	4.315	.0493	.5524	6.525	-0.0005	.4817	4.607
#2	-0.014	-0.069	4.347	.0513	.5515	6.553	-0.0098	.4848	4.633
#3	.0040	-0.107	4.335	.0498	.5537	6.550	-0.0115	.4812	4.613
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2535.7	4880.8	4349.1	4712.7					
Stddev	5.0	12.3	54.	5.6					
%RSD	.19860	.25189	.12439	.11872					
#1	2530.4	4885.7	4354.4	4706.4					
#2	2536.2	4866.8	4349.3	4717.2					
#3	2540.4	4889.8	4343.6	4714.4					

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Sample Name: FA31929-25 Acquired: 4/6/2016 17:51:02 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.011	248.7	0.392	2.143	0.067	34.08	-0.016	0.077	3.833
Stddev	.0020	.5	.0063	.009	.0002	.06	.0002	.0002	.0028
%RSD	190.8	.1848	16.14	.4214	2.757	.1781	14.02	.2770	.7265
#1	.0012	248.8	.0326	2.150	.0067	34.13	-0.019	.0676	.3805
#2	-0.019	249.2	.0396	2.145	.0069	34.01	-0.016	.0676	.3861
#3	-0.025	248.2	.0453	2.133	.0065	34.09	-0.014	.0679	.3832
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5.128	213.8	14.36	21.99	4.307	0.082	2.105	2.336	1.729
Stddev	.0029	.2	.15	.13	.013	.0003	.013	.0009	.004
%RSD	.5652	.0825	1.072	.5775	.2926	3.209	.6378	.3640	.2025
#1	5.129	214.0	14.23	21.92	4.297	.0079	2.120	.2342	1.732
#2	5.156	213.8	14.53	22.14	4.303	.0082	2.097	.2339	1.725
#3	5.098	213.6	14.33	21.92	4.321	.0085	2.097	.2326	1.730
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)

Sample Name: FA31929-28 Acquired: 4/6/2016 17:55:24 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.017	314.2	0.386	2.667	0.076	49.18	-0.015	0.067	4.170
Stddev	.0005	.3	.0006	.004	.0003	.17	.0000	.0005	.0010
%RSD	29.62	.0934	1.618	.1310	4.096	.3410	3.337	.6756	.2467
#1	-.0018	313.9	.0390	2.665	.0077	48.99	-.0014	.0702	.4162
#2	-.0012	314.4	.0390	2.671	.0078	49.32	-.0015	.0695	.4181
#3	-.0022	314.3	.0379	2.664	.0072	49.22	-.0015	.0693	.4166
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5.758	256.4	18.18	24.26	5.939	0.098	2.953	2.897	3.664
Stddev	.014	.3	.07	.31	.041	.0005	.031	.0007	.009
%RSD	.2506	.1045	.3972	1.282	.6962	5.096	1.054	.2542	.2353
#1	5.774	256.2	18.10	24.29	5.961	.0093	2.930	.2900	3.655
#2	5.745	256.7	18.23	24.55	5.964	.0098	2.941	.2889	3.673
#3	5.755	256.3	18.22	23.93	5.891	.0103	2.988	.2903	3.663
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.075	-0.101	4.296	0.381	7.485	6.852	-0.125	5.256	8.269
Stddev	.0020	.0044	.010	.0020	.0009	.023	.0027	.0031	.0008
%RSD	27.10	43.71	.2368	5.249	.1206	.3380	21.62	.5934	.0975
#1	.0067	-.0152	4.298	.0358	.7480	6.860	-.0130	.5266	.8264
#2	.0099	-.0073	4.285	.0390	.7480	6.870	-.0148	.5280	.8264
#3	.0061	-.0078	4.305	.0394	.7496	6.826	-.0095	.5220	.8278
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2503.0	4836.0	43494.	4747.5					
Stddev	1.5	4.6	77.	27.0					
%RSD	.05991	.09584	.17775	.56770					
#1	2504.6	4831.3	43425.	4775.0					
#2	2501.7	4840.6	43480.	4721.2					
#3	2502.8	4836.1	43577.	4746.4					

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Sample Name: FA31929-32 Acquired: 4/6/2016 17:59:45 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.027	267.0	0.425	1.089	0.076	29.51	-0.031	0.748	4.537
Stddev	.0012	1.1	.0053	.005	.0001	.15	.0001	.0001	.0019
%RSD	43.63	.4170	12.42	.4755	1.879	.5042	3.779	.1262	.4148
#1	-.0022	268.2	.0485	1.095	.0078	29.55	-.0032	.0749	.4517
#2	-.0018	266.1	.0388	1.087	.0077	29.35	-.0030	.0747	.4541
#3	-.0040	266.8	.0400	1.084	.0075	29.64	-.0031	.0747	.4554
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.065	226.5	17.56	22.80	1.810	0.078	2.873	2.217	8.237
Stddev	.003	.7	.04	.14	.005	.0002	.010	.0020	.0023
%RSD	.2979	.3054	.2051	.6208	.2606	2.745	.3351	.9198	.2755
#1	1.066	227.2	17.56	22.87	1.806	.0080	2.864	.2240	.8258
#2	1.067	225.9	17.53	22.64	1.808	.0077	2.872	.2201	.8213
#3	1.061	226.4	17.60	22.90	1.815	.0076	2.883	.2210	.8241
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.025	-0.099	3.980	0.386	3.284	9.517	-0.077	5.303	2.682
Stddev	.0022	.0087	.010	.0023	.0009	.014	.0033	.0021	.0002
%RSD	87.25	87.89	.2462	6.035	.2892	.1426	42.66	.3960	.0754
#1	-.0011	-.0127	3.991	.0360	.3291	9.504	-.0091	.5281	.2681
#2	-.0014	-.0168	3.978	.0393	.3273	9.516	-.0040	.5323	.2680
#3	-.0051	-.0001	3.972	.0406	.3288	9.531	-.0101	.5305	.2684
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2532.7	4910.9	43986.	4752.2					
Stddev	3.7	8.2	74.	14.3					
%RSD	.14586	.16727	.16751	.30051					
#1	2528.5	4901.5	44045.	4736.9					
#2	2535.0	4914.9	43904.	4765.2					
#3	2534.8	4916.4	44011.	4754.6					

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Sample Name: CCV Acquired: 4/6/2016 18:04:06 Type: QC
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.612	42.69	2.055	1.932	2.048	40.06	2.119	2.169	2.048
Stddev	.0005	.20	.007	.007	.007	.08	.000	.002	.008
%RSD	.1777	.4605	.3202	.3794	.3248	.2072	.0184	.0699	.3799
#1	.2615	42.72	2.062	1.934	2.055	40.00	2.119	2.171	2.056
#2	.2607	42.48	2.053	1.924	2.042	40.02	2.119	2.168	2.044
#3	.2614	42.87	2.050	1.939	2.048	40.15	2.119	2.169	2.042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.098	41.18	40.37	43.88	2.005	2.184	40.70	2.073	1.954
Stddev	.001	.12	.18	.03	.005	.003	.12	.001	.002
%RSD	.0630	.2913	.4367	.0795	.2315	.1230	.2912	.0566	.0947
#1	2.097	41.24	40.34	43.84	2.009	2.184	40.71	2.073	1.952
#2	2.100	41.04	40.22	43.91	2.007	2.182	40.58	2.072	1.956
#3	2.098	41.25	40.56	43.90	2.000	2.187	40.82	2.075	1.953
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.065	2.103	2.355	2.011	2.016	1.983	1.948	1.949	2.046
Stddev	.003	.006	.003	.001	.009	.004	.002	.005	.001
%RSD	.1562	.2703	.1057	.0699	.4251	.1774	.1018	.2490	.0611
#1	2.067	2.102	2.352	2.009	2.021	1.983	1.950	1.954	2.046
#2	2.061	2.098	2.357	2.012	2.006	1.986	1.946	1.948	2.048
#3	2.067	2.109	2.355	2.010	2.021	1.979	1.949	1.944	2.045
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 4/6/2016 18:04:06 Type: QC
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2311.9	4609.5	41232.	4573.3
Stddev	1.2	4.3	55.	13.6
%RSD	.05080	.09247	.13355	.29651
#1	2313.1	4607.8	41295.	4576.0
#2	2311.8	4614.4	41204.	4585.2
#3	2310.7	4606.4	41196.	4558.5

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Sample Name: CCB Acquired: 4/6/2016 18:08:18 Type: QC
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	0.036	0.000	0.001	0.002	0.023	0.001	0.001	-0.001
Stddev	.0002	.0063	.0001	.0002	.0000	.0036	.0000	.0001	.0001
%RSD	56.32	175.2	140.8	182.1	1.616	155.1	13.55	84.81	104.4

#1	-0.002	.007	.0001	.0003	.0002	.0016	.0001	.0001	-0.001
#2	-0.005	.0108	.0000	.0001	.0002	.0062	.0001	.0002	.0000
#3	-0.002	-0.008	.0000	-0.001	.0002	-0.008	.0001	.0000	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.005	0.118	0.389	-0.145	0.001	F -0.015	-0.127	-0.001	0.010
Stddev	.0001	.0004	.0079	.0143	.0000	.0003	.0032	.0002	.0004
%RSD	20.27	3.580	20.26	98.35	4.238	23.00	25.03	124.2	40.87

#1	-0.006	.0114	.0347	-.0294	.0001	.0019	-0.115	.0000	.0009
#2	-0.004	.0117	.0340	-.0009	.0001	.0014	-0.164	-0.002	.0006
#3	-0.006	.0122	.0480	-.0133	.0001	.0012	-0.104	-0.003	.0014

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.001	-0.002	0.004	0.005	0.003	0.009	-0.009	0.000	0.001
Stddev	.0006	.0009	.0002	.0001	.0001	.0001	.0006	.000	.0001
%RSD	692.7	491.1	58.69	24.68	22.02	9.548	69.50	350.1	59.73

#1	-0.006	-0.006	.0001	.0005	.0003	.0010	-0.003	.0001	.0002
#2	.0002	-0.007	.0005	.0006	.0003	.0009	-0.009	.0000	.0000
#3	.0006	.0008	.0005	.0003	.0002	.0009	-0.015	-0.002	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: CCB Acquired: 4/6/2016 18:08:18 Type: QC
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2603.4	4739.7	4281.0	4651.1
Stddev	2.1	5.1	182.	16.4
%RSD	.07880	.10656	.42496	.35157

#1	2605.3	4741.8	42622.	4667.6
#2	2601.2	4743.4	42985.	4650.7
#3	2603.7	4733.9	42822.	4634.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.005	0.118	0.389	-0.145	0.001	F -0.015	-0.127	-0.001	0.010
Stddev	.0001	.0004	.0079	.0143	.0000	.0003	.0032	.0002	.0004
%RSD	20.27	3.580	20.26	98.35	4.238	23.00	25.03	124.2	40.87

#1	-0.006	.0114	.0347	-.0294	.0001	.0019	-0.115	.0000	.0009
#2	-0.004	.0117	.0340	-.0009	.0001	.0014	-0.164	-0.002	.0006
#3	-0.006	.0122	.0480	-.0133	.0001	.0012	-0.104	-0.003	.0014

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.001	-0.002	0.004	0.005	0.003	0.009	-0.009	0.000	0.001
Stddev	.0006	.0009	.0002	.0001	.0001	.0001	.0006	.000	.0001
%RSD	692.7	491.1	58.69	24.68	22.02	9.548	69.50	350.1	59.73

#1	-0.006	-0.006	.0001	.0005	.0003	.0010	-0.003	.0001	.0002
#2	.0002	-0.007	.0005	.0006	.0003	.0009	-0.009	.0000	.0000
#3	.0006	.0008	.0005	.0003	.0002	.0009	-0.015	-0.002	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: FA31929-35 Acquired: 4/6/2016 18:12:50 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.015	381.9	0.527	3.645	0.114	93.68	-0.006	1.106	5498
Stddev	.0003	.8	.0056	.007	.0004	.26	.0003	.0006	.0048
%RSD	18.33	2068	10.64	1930	3.952	2809	46.97	5806	8745

#1	-0.015	381.0	.0541	3.642	.0111	93.64	-0.004	1.113	5552
#2	-0.012	382.6	.0575	3.653	.0119	93.44	-0.008	1.103	5462
#3	-0.017	382.1	.0465	3.640	.0112	93.96	-0.004	1.101	5479

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	9652	299.3	19.86	34.27	7.780	0.131	3.414	3524	1.189
Stddev	.0012	.7	.16	.17	.027	.0006	.020	.0009	.008
%RSD	1215	2450	7936	4983	3433	4.234	5776	2600	7017

#1	.9639	298.6	19.77	34.36	7.810	.0133	3.435	.3534	1.192
#2	.9622	299.2	19.77	34.36	7.760	.0135	3.396	.3518	1.195
#3	.9654	300.1	20.04	34.07	7.770	.0125	3.410	.3518	1.179

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0058	-0.0089	4.719	0.0414	1.226	9.830	-0.0083	6.592	3682
Stddev	.0031	.0007	.001	.0014	.002	.013	.0077	.0018	.0017
%RSD	53.15	8.033	.0186	3.426	.1728	1.343	91.97	.2739	4513

#1	.0028	-0.0089	4.719	.0419	1.224	9.843	-0.0168	6.613	.3701
#2	.0090	-0.0082	4.718	.0398	1.227	9.816	-0.0019	6.580	.3672
#3	.0057	-0.0097	4.719	.0426	1.228	9.831	-0.0063	6.583	.3673

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2475.6	4879.2	43954.	4858.6
Stddev	4.4	5.4	74.	12.6
%RSD	.17794	.11049	.16764	.26020

#1	2471.4	4876.7	43924.	4844.2
#2	2480.2	4885.3	44038.	4868.1
#3	2475.1	4875.5	43900.	4863.3

Sample Name: FA31929-38 Acquired: 4/6/2016 18:17:11 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.021	320.9	0.479	2.704	0.084	56.83	-0.015	0.824	4605
Stddev	.0004	.5	.0032	.004	.0003	.20	.0004	.0005	.0017
%RSD	19.67	1622	6.752	1599	3.367	3508	26.54	5487	3615

#1	-0.021	320.5	.0457	2.708	.0083	56.98	-0.019	.0828	4614
#2	-0.017	320.8	.0516	2.699	.0087	56.60	-0.011	.0823	4585
#3	-0.025	321.5	.0465	2.706	.0082	56.91	-0.015	.0819	4615

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	9517	257.5	27.11	29.81	5.802	0.109	3.200	3016	1.598
Stddev	.0013	.6	.09	.30	.006	.0005	.041	.0018	.007
%RSD	1416	2209	3168	1022	0966	4.956	1.295	6057	4494

#1	.9504	257.6	27.06	30.06	5.796	.0106	3.245	.2999	1.603
#2	.9531	256.9	27.21	29.89	5.807	.0116	3.163	.3035	1.601
#3	.9516	258.0	27.07	29.47	5.804	.0107	3.192	.3014	

Sample Name: FA31931-1 Acquired: 4/6/2016 18:21:33 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.007	290.9	0.0356	2.513	0.0666	73.36	-0.014	0.0656	4.031
Stddev	0.0006	1.4	0.016	0.10	0.002	0.36	0.003	0.004	0.005
%RSD	79.91	4648	4.375	3.898	2.867	4.880	18.75	0.611	0.1133
#1	-0.010	291.2	0.0367	2.517	0.066	73.36	-0.017	0.0657	4.029
#2	-0.011	292.1	0.0364	2.521	0.065	73.71	-0.012	0.0652	4.036
#3	-0.001	289.5	0.0339	2.502	0.069	73.00	-0.012	0.0660	4.028
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	4.689	233.9	21.36	27.39	5.979	0.101	2.529	2.615	3.843
Stddev	0.001	1.1	0.13	0.13	0.09	0.010	0.14	0.011	0.06
%RSD	0.156	0.4520	0.6202	0.4723	1.455	9.847	5.514	0.4377	1.644
#1	4.690	234.0	21.50	27.37	5.977	0.108	2.525	2.627	3.838
#2	4.689	234.9	21.35	27.53	5.989	0.090	2.518	2.604	3.850
#3	4.690	232.8	21.23	27.28	5.972	0.106	2.545	2.615	3.841
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.020	-0.018	4.341	0.0429	1.088	7.010	-0.040	4.957	-0.077
Stddev	0.0053	0.0140	0.009	0.022	0.04	0.005	0.067	0.013	0.002
%RSD	261.8	118.9	2.075	5.036	3.476	0.672	167.9	2.571	0.777
#1	-0.027	-0.234	4.341	0.0454	1.085	7.009	0.030	4.955	0.376
#2	0.011	-0.0158	4.333	0.0422	1.092	7.015	-0.0103	4.945	0.376
#3	0.0078	0.0038	4.351	0.0413	1.086	7.006	-0.046	4.970	0.380
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2512.8	4868.5	43488.	4721.1					
Stddev	1.1	15.3	24.	14.3					
%RSD	0.4426	0.31376	0.5473	0.30255					
#1	2511.6	4863.9	43484.	4723.7					
#2	2513.7	4885.6	43514.	4705.6					
#3	2513.3	4856.1	43467.	4733.8					

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Sample Name: FA31931-4 Acquired: 4/6/2016 18:25:54 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.010	343.1	0.0391	4.356	0.082	132.1	-0.002	0.0764	4.491
Stddev	0.0017	1.8	0.020	0.22	0.001	0.3	0.002	0.006	0.043
%RSD	165.9	0.5220	5.161	0.5086	1.575	0.1991	86.36	0.8413	0.9660
#1	0.009	342.4	0.0383	4.369	0.081	131.8	-0.004	0.0761	4.515
#2	-0.0023	341.8	0.0414	4.330	0.083	132.1	-0.004	0.0759	4.518
#3	-0.017	345.1	0.0376	4.368	0.082	132.4	0.000	0.0771	4.441
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	4.741	276.1	21.81	34.06	8.785	0.129	2.951	3.169	8.820
Stddev	0.003	1.5	0.10	0.30	0.056	0.006	0.049	0.006	0.052
%RSD	0.611	0.5447	0.4528	0.8835	0.6424	4.868	1.649	0.1767	0.5940
#1	4.739	275.1	21.85	33.86	8.797	0.135	2.954	3.175	8.766
#2	4.740	275.4	21.69	33.92	8.834	0.123	2.901	3.168	8.824
#3	4.745	277.9	21.88	34.41	8.723	0.128	2.999	3.164	8.871
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.020	-0.003	4.686	0.0425	1.920	7.725	-0.0108	5.976	-0.130
Stddev	0.0013	0.0072	0.008	0.023	0.09	0.016	0.035	0.024	0.003
%RSD	64.72	237.0	0.1676	5.324	4.897	2.091	32.33	0.3985	0.1008
#1	0.007	0.053	4.681	0.0436	1.920	7.732	-0.071	5.973	0.3133
#2	0.032	0.022	4.681	0.0399	1.911	7.736	-0.112	6.002	0.3130
#3	0.020	-0.084	4.695	0.0439	1.930	7.706	-0.141	5.954	0.3127
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2476.7	4860.2	43830.	4771.2					
Stddev	9.3	12.8	222.	34.5					
%RSD	0.37405	0.26342	0.50636	0.72248					
#1	2483.6	4874.9	43811.	4803.0					
#2	2480.4	4854.3	43618.	4776.1					
#3	2466.2	4851.4	44060.	4734.6					

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7.3
7

Sample Name: CRIA Acquired: 4/6/2016 18:30:14 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.092	2.396	0.110	2.041	0.054	1.096	0.058	0.091	0.114
Stddev	0.002	0.048	0.004	0.016	0.001	0.08	0.001	0.004	0.000
%RSD	2.269	2.006	3.806	0.7757	0.9479	0.7077	1.159	0.6253	0.806
#1	0.094	2.353	0.106	2.051	0.054	1.105	0.057	0.089	0.114
#2	0.090	2.448	0.114	2.049	0.054	1.091	0.058	0.089	0.114
#3	0.092	2.388	0.111	2.023	0.054	1.092	0.059	0.095	0.114
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.281	3.535	10.56	5.784	0.168	0.556	10.70	0.456	0.062
Stddev	0.001	0.063	0.10	0.053	0.002	0.001	0.07	0.003	0.003
%RSD	0.5142	1.794	0.9523	0.9124	1.422	0.972	0.634	0.6204	4.213
#1	0.281	3.596	10.66	5.828	0.169	0.556	10.74	0.456	0.059
#2	0.282	3.540	10.58	5.799	0.169	0.557	10.73	0.453	0.062
#3	0.279	3.469	10.46	5.725	0.165	0.556	10.62	0.459	0.065
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.054	0.105	0.347	0.0543	0.107	0.109	0.100	0.501	0.242
Stddev	0.005	0.019	0.002	0.002	0.001	0.001	0.002	0.002	0.001
%RSD	10.14	17.99	0.6767	0.4157	0.6767	0.8217	2.306	0.4595	0.5179
#1	0.058	0.117	0.349	0.0544	0.108	0.109	0.099	0.502	0.240
#2	0.048	0.115	0.345	0.0540	0.108	0.110	0.102	0.502	0.242
#3	0.055	0.083	0.349	0.0544	0.107	0.108	0.098	0.498	0.243
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2546.9	4729.4	42296.	4686.2					
Stddev	3.1	7.8	311.	27.6					
%RSD	0.12258	0.16567	0.73624	0.58878					
#1	2550.0	4729.8	42100.	4666.8					
#2	2546.9	4737.0	42132.	4674.1					
#3	2543.7	4721.3	42655.	4717.8					

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Sample Name: ICSA Acquired: 4/6/2016 18:34:42 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Avg	-0.006	F 527.1	0.007	-0.002	0.000	464.1	-0.005	-0.003
Stddev	0.002	5.5	0.006	0.001	0.00	4.8	0.001	0.001
%RSD	37.75	1.034	80.62	89.41	154.5	1.041	13.96	39.41
#1	-0.005	527.9	0.005	-0.003	0.000	468.1	-0.005	-0.002
#2	-0.008	521.2	0.013	-0.001	-0.001	458.7	-0.005	-0.004
#3	-0.004	532.1	0.003	-0.001	0.000	465.4	-0.006	-0.002
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	0.001	0.003	185.6	0.673	F 553.4	-0.003	-0.007	-1.085
Stddev	0.001	0.002	1.6	0.123	5.9	0.000	0.002	0.044
%RSD	131.							

Sample Name: ICSA Acquired: 4/6/2016 18:34:42 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2057.3	4262.7	37349.	4348.5
Stddev	4.1	7.1	67.	42.8
%RSD	.19959	.16703	.18035	.98385
#1	2060.5	4257.9	37274.	4325.6
#2	2058.8	4270.9	37405.	4397.8
#3	2052.7	4259.3	37368.	4322.0

Sample Name: ICSAB Acquired: 4/6/2016 18:39:23 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F 1.028	F 531.5	1.106	4825.	5014	470.6	9676.	4965	4912
Stddev	.003	4.2	.007	.0014	.0016	2.3	.0078	.0039	.0020
%RSD	.2728	.7809	.6503	.2862	.3097	.4959	.8109	.7802	.3988
#1	1.025	530.2	1.104	4815.	5024	471.5	9635.	4945	4892
#2	1.031	536.2	1.101	4841.	5021	472.4	9627.	4940	4913
#3	1.028	528.2	1.115	4820.	4996	468.0	9767.	5010	4931
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5580	186.8	0.284	F 566.2	4742	1.002	1111	9488	9074
Stddev	.0004	.7	.0351	2.6	.0010	.009	.0083	.0064	.0077
%RSD	.0765	.3530	123.6	.4649	.2066	.8678	7.438	.6748	.8538
#1	5582	187.5	-0.099	569.1	.4735	.9986	1.199	9460	9060
#2	5583	186.8	.0590	565.4	.4753	.9961	1.098	9442	9004
#3	5575	186.2	.0362	564.0	.4737	1.012	1.035	9561	9157
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.052	1.057	.1194	9224	1.000	9629	9241	4432	9250
Stddev	.008	.009	.0015	.0090	.003	.0012	.0081	.0022	.0064
%RSD	.7408	.8199	1.228	.9712	.2805	.1235	.8754	.4938	.6959
#1	1.047	1.047	.1183	.9163	1.003	.9623	.9213	4416	9212
#2	1.047	1.058	.1188	.9182	.9999	.9642	.9177	4424	9213
#3	1.061	1.064	.1210	.9327	.9977	.9621	.9332	4457	9324
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2014.5	4212.4	37483.	4295.1					
Stddev	12.5	26.1	23.	12.6					
%RSD	.61929	.61886	.06243	.29424					
#1	2009.1	4210.7	37510.	4280.5					
#2	2028.7	4239.2	37468.	4303.6					
#3	2005.6	4187.2	37472.	4301.1					

7.3
7

Sample Name: CCV Acquired: 4/6/2016 18:43:53 Type: QC
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2617	42.68	2.077	1.942	2.043	39.99	2.139	2.192	2.041
Stddev	.0011	.12	.006	.002	.004	.04	.007	.004	.004
%RSD	.4200	.2712	.2828	.0896	.1811	.0896	.3227	.1975	.2178
#1	2619	42.78	2.073	1.943	2.045	40.01	2.136	2.190	2.045
#2	2605	42.55	2.084	1.944	2.039	39.95	2.147	2.197	2.036
#3	2626	42.71	2.075	1.940	2.046	40.02	2.134	2.190	2.043

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.109	41.14	40.41	43.86	1.988	F 2.205	40.59	2.097	1.966
Stddev	.004	.11	.03	.27	.005	.002	.08	.005	.012
%RSD	.1846	.2651	.0638	.6172	.2305	.1083	.1956	.2641	.6090
#1	2.109	41.14	40.42	44.07	1.985	2.203	40.66	2.094	1.956
#2	2.114	41.04	40.38	43.55	1.986	2.207	40.60	2.103	1.979
#3	2.106	41.26	40.43	43.95	1.993	2.206	40.51	2.093	1.962

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
Value Range 2.000 10.00%

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.093	2.137	2.393	2.035	2.017	1.979	1.964	1.952	2.052
Stddev	.001	.004	.001	.007	.003	.001	.010	.003	.013
%RSD	.0660	.1869	.0467	.3397	.1657	.0328	.4995	.1757	.6542
#1	2.095	2.138	2.392	2.030	2.021	1.979	1.959	1.954	2.047
#2	2.093	2.133	2.394	2.043	2.016	1.979	1.975	1.948	2.068
#3	2.093	2.140	2.392	2.032	2.015	1.980	1.957	1.954	2.042

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Sample Name: CCV Acquired: 4/6/2016 18:43:53 Type: QC
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2279.6	4533.7	41089.	4590.1
Stddev	3.3	8.2	92.	23.0
%RSD	.14316	.18194	.22274	.50056
#1	2277.6	4524.2	41184.	4574.3
#2	2277.9	4538.4	41083.	4616.4
#3	2283.4	4538.5	41001.	4579.5

Sample Name: CCB Acquired: 4/6/2016 18:48:06 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0151	.0004	.0004	.0003	.0272	.0002	.0002	.0001
Stddev	.0003	.0048	.0005	.0003	.0001	.0027	.0001	.0001	.0001
%RSD	469.9	32.14	132.4	71.62	30.87	9.803	37.10	50.49	70.24
#1	.0003	.0112	.0009	.0004	.0003	.0273	.0003	.0002	.0002
#2	-0.001	.0135	.0002	.0001	.0003	.0244	.0002	.0003	.0002
#3	-0.004	.0205	.0000	.0007	.0004	.0298	.0001	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0263	.0088	.0148	.0002	F-.0017	.0031	.0000	.0007
Stddev	.0002	.0008	.0179	.0218	.0001	.0003	.0036	.0002	.0004
%RSD	96.49	3.111	203.3	147.3	32.91	20.31	119.3	826.2	62.69
#1	-0.003	.0269	.0098	-.0101	.0003	.0020	.0029	.0002	.0002
#2	-0.003	.0254	-.0096	.0303	.0002	.0017	.0068	.0000	.0009
#3	.0000	.0267	.0262	.0243	.0002	.0013	-.0005	-.0001	.0010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit .0010
 Low Limit -.0010

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	-.0014	.0040	.0005	.0004	.0011	-.0003	.0002	.0007
Stddev	.0010	.0009	.0002	.0001	.0001	.0001	.0007	.0002	.0000
%RSD	141.9	69.30	4.124	18.49	15.61	14.06	286.7	92.80	5.776
#1	-.0004	-.0004	.0042	.0004	.0004	.0012	-.0003	.0005	.0007
#2	.0015	-.0023	.0039	.0004	.0004	.0010	-.0009	.0002	.0007
#3	.0011	-.0014	.0039	.0006	.0005	.0010	.0005	.0001	.0007

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/6/2016 18:48:06 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2578.6	4711.4	4242.9	4594.5
Stddev	9.3	12.4	151.	28.9
%RSD	.36049	.26279	.35506	.62925
#1	2569.3	4697.3	4242.6	4606.6
#2	2578.6	4716.6	4258.2	4561.6
#3	2587.8	4720.3	4228.0	4615.5

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000009	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000083	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000005	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000096	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000000	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000012	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000123	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000003	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000041	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000029	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000026	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	-0.000020	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000035	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	0.000012	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000006	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.000060	0.554152	0.000000	1.000000
Al 396.152 { 85}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.000880	0.199374	0.000000	1.000000
As 189.042 {478}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.000797	0.180516	0.000000	1.000000
Ba 455.403 { 74}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.003082	8.122864	0.000000	1.000000
Be 313.042 {108}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.000419	9.900421	0.000000	1.000000
Ca 317.933 {106}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.002313	0.230631	0.000000	1.000000
Cd 226.502 {449}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.001191	4.686622	0.000000	1.000000
Co 228.616 {447}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.000638	2.513821	0.000000	1.000000
Cr 267.716 {126}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.000047	0.510323	0.000000	1.000000
Cu 324.754 {104}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.006154	0.838932	0.000000	1.000000
Fe 259.940 {130}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.001157	0.149505	0.000000	1.000000
In 230.606 {446}*	4/6/2016 13:28:17	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.004239	0.096487	0.000000	1.000000
Mg 279.079 {121}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.000155	0.020718	0.000000	1.000000
Mn 257.610 {131}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.000681	2.873832	0.000000	1.000000
Mo 202.030 {467}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.000528	1.053351	0.000000	1.000000
Na 589.592 { 57}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.001915	0.391641	0.000000	1.000000
Ni 231.604 {445}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.000007	1.589292	0.000000	1.000000
Pb 220.353 {453}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.000496	0.836021	0.000000	1.000000
Sb 206.833 {463}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.000598	0.258613	0.000000	1.000000
Se 196.090 {472}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.000588	0.123029	0.000000	1.000000
Si 212.412 {459}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.004925	0.395849	0.000000	1.000000
Sn 189.989 {477}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.000188	0.364900	0.000000	1.000000
Sr 407.771 { 83}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.000801	16.496538	0.000000	1.000000
Ti 334.941 {101}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.001087	2.102928	0.000000	1.000000
Tl 190.856 {477}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.000984	0.275467	0.000000	1.000000
V 292.402 {115}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.000535	0.730010	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.000840	2.329833	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999979	0.000035	0.000359	0.001197	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999899	0.004578	0.007145	0.023818	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999843	0.000257	0.000805	0.002683	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999958	0.005975	0.000221	0.000738	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999931	0.009346	0.000059	0.000197	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999744	0.008407	0.002895	0.009649	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999990	0.001719	0.000049	0.000162	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999991	0.000850	0.000100	0.000334	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999882	0.000632	0.000242	0.000807	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999976	0.000470	0.000220	0.000734	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999546	0.007260	0.002320	0.007733	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999885	0.002355	0.025694	0.085647	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999887	0.000502	0.021212	0.070706	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999711	0.005570	0.000038	0.000126	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999988	0.000418	0.000139	0.000464	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999900	0.008905	0.006561	0.021870	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999993	0.000478	0.000162	0.000539	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999872	0.001080	0.000605	0.002017	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999814	0.000401	0.000897	0.002989	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999844	0.000175	0.001720	0.005733	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.996347	0.002732	0.000408	0.001361	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999978	0.000194	0.000337	0.001124	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999874	0.021058	0.000070	0.000232	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999868	0.002751	0.000089	0.000297	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999927	0.000269	0.001045	0.003482	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999947	0.000598	0.000216	0.000718	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999961	0.001660	0.000073	0.000243	OK	1.000000	0.000000	1	0

Accutest Laboratories SE Metals Digestion Log Water

DOD+
(MS)

Method of digestion(circle one): SW846-3010A SW846-3005A / EPA 200.7 / SM3030C

MP #: 30039

Prep Date/Time (mm/dd/yy 24:00): 2/29/16 8:45

HotBlock I.D. 5

Thermometer I.D. 204

Correction Factor (°C) -1

Temperature Observed/Corrected (°C) 94, 93

Added^B: HNO₃ 1115080

Lot# HCL 4115050

Volume

Spk. Sol. ^A	Used(ml)	Pipette #
ACC 920	0.50	10
ACC 894	0.25	10
MET 5330	0.25	10

Dig. Tube Lot#: J215796-261

Sample #	Initial Volume(ml)	pH<2	Final Volume(ml)	Comments
Method Blank(MB)	50.0	N/A	50.0	
Spike Blank(SB)		N/A		
Matrix Spike(MS)		✓		
Matrix Spike Dup(MSD)		✓		
Duplicate(DUP)		✓		
1 QC ^C FA31027-2 2S		✓		
2 ↓ 1 9		✓		
3 ↓ 3		✓		
4 ↓ 4		✓		
5 FA31077-4		✓		
6 ↓ 7		✓		
7 ↓ 9		✓		
8 ↓ 10		✓		
9 ↓ 11		✓		
10 ↓ 12		✓		
11 ↓ 13		✓		
12 ↓ 14 ✓		✓		
13 FA31743-1 11		✓		
14 FA31037-1 3		✓		
15 FA31069-1 1		✓		
16 FA31070-1		✓		
17 FA31071-37		✓		
18 FA31072-27 ✓		✓		
19 FA31056-1 9		✓		
20 ↓ 2 9		✓		
21 ^E				
22 ^E				
23 ^E				
24 ^E				

Analyst: J. Ben
 QC Review: [Signature]

Date: 2/29/16
 Date: 2-29-16

A Used for SB, MS, MSD
 B For reagent volumes used consult SOP MET 103, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional matrix QC

*DB 2/29/16

7.4.1
7

DOD
(MS)

Accutest Laboratories SE Metals Digestion Log Soil

MP #: 30207

Method of Digestion: SW846-3050B

Prep Date/Time (mm/dd/yy 24:00): 4/5/16 9:53 Spk. Sol. ^A Volume Used (ml) Pipette #
 HotBlock I.D. 6974CECW3279 ACC 938 1.00 10
 Thermometer I.D. 213 ACC 894 0.50 10
 Correction Factor (°C) -1 MET 5301 0.50 10
 Temperature Observed/Corrected (°C) 95.194 Filter Lot#: 150928009
 Balance I.D. ADVPRO3 Dig. Tube Lot# 1504103
 Added ^B: H₂O₂ HNO₃ HCL PTFE Boiling Chips
 Lot# 152514 1115100 4115080 R263-5K012

Sample #	Wt., g	Final Volume (ml)	Comments
Method Blank (MB)	5.00	100.0	
Spike Blank (SB)	5.00		
Matrix Spike (MS)	5.22		
Matrix Spike Dup (MSD)	5.31		
Duplicate (DUP)	5.00		
1 QC ^C FA31071-1 ^{D1}	5.21		
2 D2- FA31071-1	5.16		
3	5	5.30	
4	8	5.39	
5	11	5.41	
6	15	5.32	
7	18	5.12	
8	22	5.34	
9	24	5.21	
10	26	5.21	
11	29	5.27	
12	33	5.47	
13	38	5.18	
14 FA31072-1	5.32		
15	5	5.20	
16	6	5.05	
17	9	5.22	
18	12	5.06	
19	15	5.31	
20			
21 ^E			
22 ^E			
23 ^E			
24 ^E			

Analyst: 2.129 Date: 4/5/16
 QC Review: [Signature] Date: 4.5.16'

A Used for SB, MS, MSD
 B For reagent volumes used consult SOP MET 104, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional Matrix QC

* DB 4/5/16

7.4.2
7

Accutest Laboratories SE Metals Digestion Log Soil

5g
DRY sieve

MP #: 30214

Method of Digestion: SW846-3050B

DOD
(MS)

Prep Date/Time (mm/dd/yy 24:00): 4/6/16 10:13
 HotBlock I.D. 6974CERCW3279
 Thermometer I.D. 213
 Correction Factor (°C) -1
 Temperature Observed/Corrected (°C) 93, 92
 Balance I.D. ADVPRO3
 Added^B:
 Lot# H₂O₂ 157487 HNO₃ 115100
 HCL 4115080 PTFE Boiling Chips R203-SK012

Sample #	Wt. g	Final Volume(ml)	Comments
Method Blank(MB)	5.00	100.0	
Spike Blank(SB)	5.00		
Matrix Spike(MS)	5.34		
Matrix Spike Dup(MSD)	5.31		
Duplicate(DUP)	5.02		
1 QC ^C FA31672-18 ^{D1}	5.28		
2 D2- FA31672-18	5.27		
3 ↓ 21	5.34		
4 ↓ 24	5.36		
5 FA31929-1	5.32		
6 ↓ 5	5.27		
7 ↓ 8	5.39		
8 ↓ 12	5.20		
9 ↓ 15	5.27		
10 ↓ 18	5.09		
11 ↓ 21	5.09		
12 ↓ 22	5.02		
13 ↓ 25	5.10		
14 ↓ 28	5.02		
15 ↓ 32	5.26		
16 ↓ 35	5.25		
17 ↓ 38	5.09		
18 FA31931-1	5.30		
19 ↓ 4 ↓	5.27		
20			
21 ^E			
22 ^E			
23 ^E			
24 ^E			

Analyst: 213
 QC Review: [Signature]

Date: 4/6/16
 Date: 4-6-16

A Used for SB, MS, MSD
 B For reagent volumes used consult SOP MET 104, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional Matrix QC

7.4.3
7

Technical Report for**Kemron Environmental Services, Inc**

Ft Ord; CA

07202.2001

SGS Accutest Job Number: FA31884

Sampling Date: 03/02/16

Report to:**Kemron Environmental Services, Inc**
4522 Joe Lloyd Way
Monterey, CA 93944
emiddleditch@gilbaneco.com

ATTN: Eric Middleditch

Total number of pages in report: **327**Test results contained within this data package meet the requirements
of the National Environmental Laboratory Accreditation Program
and/or state specific certification programs as applicable.

A handwritten signature in black ink that reads "Norm Farmer".

Norm Farmer
Technical Director**Client Service contact: Sue Bell 407-425-6700**Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001)
DoD ELAP (L-A-B L2229), CA (2937), TX (T104704404), PA (68-03573), VA (460177),
AK, AR, GA, KY, MA, NV, OK, UT, WAThis report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.
Test results relate only to samples analyzed.

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Sample Summary

Kemron Environmental Services, Inc

Job No: FA31884

Ft Ord; CA

Project No: 07202.2001

Sample Number	Collected		Matrix Code	Type	Client Sample ID
	Date	Time By			
FA31884-1	03/02/16	09:02 RPTW	03/03/16	SO Soil	03-08SC0000
FA31884-1A	03/02/16	09:02 RPTW	03/03/16	SO Soil	03-08SC0000
FA31884-2	03/02/16	09:02 RPTW	03/03/16	SO Soil	03-08SC0000Q
FA31884-3	03/02/16	09:16 RPTW	03/03/16	SO Soil	03-08SC0001
FA31884-4	03/02/16	09:33 RPTW	03/03/16	SO Soil	03-08SC0002
FA31884-5	03/02/16	10:05 RPTW	03/03/16	SO Soil	03-05SC0000
FA31884-5A	03/02/16	10:05 RPTW	03/03/16	SO Soil	03-05SC0000
FA31884-6	03/02/16	10:14 RPTW	03/03/16	SO Soil	03-05SC0001
FA31884-7	03/02/16	10:24 RPTW	03/03/16	SO Soil	03-05SC0002
FA31884-8	03/02/16	10:57 RPTW	03/03/16	SO Soil	03-09SC0000
FA31884-8A	03/02/16	10:57 RPTW	03/03/16	SO Soil	03-09SC0000
FA31884-9	03/02/16	11:11 RPTW	03/03/16	SO Soil	03-09SC0001
FA31884-10	03/02/16	11:25 RPTW	03/03/16	SO Soil	03-09SC0002

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary

(continued)

Kemron Environmental Services, Inc

Job No: FA31884

Ft Ord; CA

Project No: 07202.2001

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
FA31884-11	03/02/16	12:51 RPTW	03/03/16	SO	Soil	03-07SC0000
FA31884-11A	03/02/16	12:51 RPTW	03/03/16	SO	Soil	03-07SC0000
FA31884-12	03/02/16	13:08 RPTW	03/03/16	SO	Soil	03-07SC0001
FA31884-13	03/02/16	13:22 RPTW	03/03/16	SO	Soil	03-07SC0002
FA31884-14	03/02/16	08:45 RPTW	03/03/16	SO	Soil	01-05SC0000
FA31884-14A	03/02/16	08:45 RPTW	03/03/16	SO	Soil	01-05SC0000
FA31884-15	03/02/16	09:00 RPTW	03/03/16	SO	Soil	01-05SC0001
FA31884-16	03/02/16	09:30 RPTW	03/03/16	SO	Soil	01-05SC0002
FA31884-17	03/02/16	10:00 RPTW	03/03/16	SO	Soil	01-08SC0000
FA31884-17A	03/02/16	10:00 RPTW	03/03/16	SO	Soil	01-08SC0000
FA31884-18	03/02/16	10:10 RPTW	03/03/16	SO	Soil	01-08SC0001
FA31884-19	03/02/16	10:20 RPTW	03/03/16	SO	Soil	01-08SC0002
FA31884-20	03/02/16	11:00 RPTW	03/03/16	SO	Soil	01-09SC0000

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary

(continued)

Kemron Environmental Services, Inc

Job No: FA31884

Ft Ord; CA

Project No: 07202.2001

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
FA31884-21	03/02/16	11:00	RPTW 03/03/16	SO	Soil	01-09SC0000Q
FA31884-22	03/02/16	11:15	RPTW 03/03/16	SO	Soil	01-09SC0001
FA31884-23	03/02/16	11:15	RPTW 03/03/16	SO	Soil	01-09SC0001Q
FA31884-24	03/02/16	11:30	RPTW 03/03/16	SO	Soil	01-09SC0002
FA31884-25	03/02/16	11:30	RPTW 03/03/16	SO	Soil	01-09SC0002Q
FA31884-26	03/02/16	12:45	RPTW 03/03/16	SO	Soil	WG-07SC0000
FA31884-26A	03/02/16	12:45	RPTW 03/03/16	SO	Soil	WG-07SC0000
FA31884-27	03/02/16	13:00	RPTW 03/03/16	SO	Soil	WG-07SC0001
FA31884-28	03/02/16	13:15	RPTW 03/03/16	SO	Soil	WG-07SC0002
FA31884-29	03/02/16	13:45	RPTW 03/03/16	SO	Soil	WG-04SC0000
FA31884-29A	03/02/16	13:45	RPTW 03/03/16	SO	Soil	WG-04SC0000
FA31884-30	03/02/16	14:37	RPTW 03/03/16	AQ	Equipment Blank	03-ER09SC
FA31884-31	03/02/16	14:00	RPTW 03/03/16	SO	Soil	WG-04SC0001

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary (continued)

Kemron Environmental Services, Inc

Job No: FA31884

Ft Ord; CA

Project No: 07202.2001

Sample Number	Collected		Matrix Code	Matrix Type	Client Sample ID
	Date	Time By			
FA31884-32	03/02/16	14:10 RPTW	03/03/16	SO Soil	WG-04SC0002
FA31884-33	03/02/16	14:25 RPTW	03/03/16	SO Soil	WG-05SC0000
FA31884-33A	03/02/16	14:25 RPTW	03/03/16	SO Soil	WG-05SC0000
FA31884-34	03/02/16	14:40 RPTW	03/03/16	SO Soil	WG-05SC0001
FA31884-35	03/02/16	14:50 RPTW	03/03/16	SO Soil	WG-05SC0002

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

2

Client: Kemron Environmental Services, Inc

Job No: FA31884

Site: Ft Ord; CA

Report Date: 4/13/2016 12:54:39

13 Sample(s) were collected on 03/02/2016 and were received at SGS Accutest Southeast (SASE) on 03/03/2016 properly preserved, at 3.6 Deg. C and intact. These Samples received an SASE job number of FA31884. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Extractables by GC By Method SW846 8330B

Matrix: AQ

Batch ID: OP59619

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

OP59619-BS: Insufficient sample for MS/MSD.

Matrix: SO

Batch ID: OP59727

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA31884-1MS, FA31884-1MSD, FA31884-21DUP were used as the QC samples indicated.

OP59727-PT1 for 3,4-Dinitrotoluene: Surrogate recoveries corrected for actual spike amount.

Metals By Method SW846 6010C

Matrix: AQ

Batch ID: MP30077

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA31958-3DUP, FA31958-3MS, FA31958-3MSD, FA31958-3PS, FA31958-3SDL were used as the QC samples for metals.

RPD(s) for Serial Dilution for Lead are outside control limits for sample MP30077-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Matrix: SO

Batch ID: MP30234

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA31884-1ADUP, FA31884-1AMSD, FA31884-1ASDL, FA31884-1APS were used as the QC samples for metals.

Matrix Spike/Matrix Spike Duplicate Recovery(s) for Lead are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MP30234-PS1 for Lead: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Kim Benham, Client Services (signature on file)

Date: April 13, 2016

Wednesday, April 13, 2016

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Manual Integration Summary



Lab Sample ID	Analysis Type	File ID	Manual Integrations
FA31884-30	GCSEMI	BB050337.D	3,4-Dinitrotoluene
GBB1412-ECC1412	GCSEMI	BB049986.D	PETN
GBB1412-IC1412	GCSEMI	BB049966.D	1,3-Dinitrobenzene, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 3,4-Dinitrotoluene, 4-amino-2,6-Dinitrotoluene, DNX, HMX, m-Nitrotoluene, MNX, o-Nitrotoluene, p-Nitrotoluene, PETN, RDX, TNX
GBB1412-IC1412	GCSEMI	BB049967.D	1,3,5-Trinitrobenzene, 2,6-Dinitrotoluene, 3,4-Dinitrotoluene, HMX, m-Nitrotoluene, MNX, o-Nitrotoluene, p-Nitrotoluene, PETN, RDX, TNX
GBB1412-IC1412	GCSEMI	BB049968.D	HMX, m-Nitrotoluene, PETN, TNX
GBB1412-IC1412	GCSEMI	BB049971.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, TNX
GBB1412-ICC1412	GCSEMI	BB049970.D	HMX, PETN, TNX
GBB1412-ICV1412	GCSEMI	BB049973.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, TNX
GBB1413-CC1412	GCSEMI	BB049997.D	m-Nitrotoluene, PETN
GBB1413-CC1412	GCSEMI	BB050004.D	m-Nitrotoluene, o-Nitrotoluene, PETN
GBB1413-ECC1412	GCSEMI	BB050016.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1414-CC1412	GCSEMI	BB050018.D	m-Nitrotoluene, PETN
GBB1414-CC1412	GCSEMI	BB050029.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1414-ECC1412	GCSEMI	BB050039.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1415-CC1412	GCSEMI	BB050041.D	m-Nitrotoluene, PETN
GBB1415-CC1412	GCSEMI	BB050052.D	m-Nitrotoluene, PETN
GBB1415-ECC1412	GCSEMI	BB050062.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1416-CC1412	GCSEMI	BB050064.D	m-Nitrotoluene, PETN
GBB1416-CC1412	GCSEMI	BB050072.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1416-CC1412	GCSEMI	BB050084.D	m-Nitrotoluene, PETN
GBB1416-ECC1412	GCSEMI	BB050088.D	m-Nitrotoluene
GBB1417-CC1412	GCSEMI	BB050091.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1417-CC1412	GCSEMI	BB050099.D	m-Nitrotoluene, PETN
GBB1417-CC1412	GCSEMI	BB050111.D	m-Nitrotoluene, PETN
GBB1417-CC1412	GCSEMI	BB050123.D	m-Nitrotoluene, o-Nitrotoluene, PETN
GBB1417-ECC1412	GCSEMI	BB050127.D	m-Nitrotoluene, PETN
GBB1418-CC1412	GCSEMI	BB050129.D	m-Nitrotoluene, PETN
GBB1418-CC1412	GCSEMI	BB050134.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1418-CC1412	GCSEMI	BB050146.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1418-CC1412	GCSEMI	BB050156.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1418-CC1412	GCSEMI	BB050168.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1418-ECC1412	GCSEMI	BB050180.D	3,4-Dinitrotoluene, 4-amino-2,6-Dinitrotoluene, o-Nitrotoluene,
GBB1419-CC1412	GCSEMI	BB050182.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene
GBB1419-ECC1412	GCSEMI	BB050193.D	PETN
GBB1420-CC1412	GCSEMI	BB050195.D	PETN
GBB1420-CC1412	GCSEMI	BB050206.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1420-CC1412	GCSEMI	BB050218.D	PETN
GBB1420-ECC1412	GCSEMI	BB050230.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1421-CC1412	GCSEMI	BB050235.D	HMX, m-Nitrotoluene, PETN, TNX
GBB1421-CC1412	GCSEMI	BB050246.D	PETN
GBB1421-CC1412	GCSEMI	BB050258.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN

Manual Integration Summary



Lab Sample ID	Analysis Type	File ID	Manual Integrations
GBB1421-CC1412	GCSEMI	BB050267.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, TNX
GBB1421-CC1412	GCSEMI	BB050279.D	HMX, PETN, TNX
GBB1421-ECC1412	GCSEMI	BB050288.D	HMX, m-Nitrotoluene, o-Nitrotoluene, PETN, TNX
GBB1422-CC1412	GCSEMI	BB050290.D	m-Nitrotoluene, PETN
GBB1422-CC1412	GCSEMI	BB050301.D	m-Nitrotoluene, PETN
GBB1422-CC1412	GCSEMI	BB050313.D	m-Nitrotoluene, o-Nitrotoluene, PETN
GBB1422-CC1412	GCSEMI	BB050325.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1422-ECC1412	GCSEMI	BB050329.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1423-CC1412	GCSEMI	BB050331.D	HMX, TNX
GBB1423-CC1412	GCSEMI	BB050333.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, TNX
GBB1423-CC1412	GCSEMI	BB050344.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, TNX
GBB1423-CC1412	GCSEMI	BB050356.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, Tetryl, TNX
GBB1423-CC1412	GCSEMI	BB050367.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, Tetryl, TNX
GBB1423-CC1412	GCSEMI	BB050379.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, Tetryl, TNX
GBB1423-ECC1412	GCSEMI	BB050383.D	HMX, PETN, TNX
GBB1424-CC1412	GCSEMI	BB050385.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, Tetryl
GBB1424-CC1412	GCSEMI	BB050396.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, Tetryl
GBB1424-CC1412	GCSEMI	BB050408.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, Tetryl
GBB1424-CC1412	GCSEMI	BB050419.D	HMX, PETN
GBB1424-CC1412	GCSEMI	BB050430.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1424-ECC1412	GCSEMI	BB050439.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1425-CC1412	GCSEMI	BB050441.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, TNX
GBB1425-ECC1412	GCSEMI	BB050452.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, TNX
GBB1426-CC1412	GCSEMI	BB050496.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1426-CC1412	GCSEMI	BB050500.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1426-CC1412	GCSEMI	BB050510.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1426-CC1412	GCSEMI	BB050522.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1426-CC1412	GCSEMI	BB050534.D	HMX, m-Nitrotoluene, p-Nitrotoluene, PETN
GBB1426-CC1412	GCSEMI	BB050546.D	HMX, PETN
GBB1426-ECC1412	GCSEMI	BB050552.D	3,4-Dinitrotoluene, HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1427-CC1412	GCSEMI	BB050554.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, TNX
GBB1427-CC1412	GCSEMI	BB050565.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, TNX
GBB1427-CC1412	GCSEMI	BB050577.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, TNX
GBB1427-CC1412	GCSEMI	BB050588.D	HMX, PETN, TNX
GBB1427-ECC1412	GCSEMI	BB050595.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, TNX
GBB1428-CC1412	GCSEMI	BB050597.D	HMX, PETN, TNX

Manual Integration Summary



Lab Sample ID	Analysis Type	File ID	Manual Integrations
GBB1428-CC1412	GCSEMI	BB050607.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, TNX
GBB1428-CC1412	GCSEMI	BB050619.D	HMX, PETN, TNX
GBB1428-ECC1412	GCSEMI	BB050625.D	HMX, PETN, TNX
GBB1429-CC1412	GCSEMI	BB050627.D	2,6-Dinitrotoluene, HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, TNX
GBB1429-ECC1412	GCSEMI	BB050631.D	2,6-Dinitrotoluene, HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, TNX
GBB1430-CC1412	GCSEMI	BB050633.D	HMX, m-Nitrotoluene, PETN, TNX
GBB1430-ECC1412	GCSEMI	BB050640.D	HMX, PETN, TNX
OP59619-BS	GCSEMI	BB050334.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, RDX
OP59619-MB	GCSEMI	BB050335.D	3,4-Dinitrotoluene
OP59727-BS	GCSEMI	BB050503.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, RDX
OP59727-DUP	GCSEMI	BB050520.D	3,4-Dinitrotoluene
OP59727-DUP2	GCSEMI	BB050521.D	3,4-Dinitrotoluene
OP59727-MB	GCSEMI	BB050506.D	3,4-Dinitrotoluene
OP59727-MS	GCSEMI	BB050508.D	HMX, m-Nitrotoluene, Nitrobenzene, o-Nitrotoluene, p-Nitrotoluene, PETN
OP59727-MSD	GCSEMI	BB050512.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
OP59727-PT1	GCSEMI	BB050504.D	HMX, m-Nitrotoluene, Nitroglycerine, o-Nitrotoluene, p-Nitrotoluene, PETN

93 Manual Integrations were found for FA31884

Summary of Hits

Job Number: FA31884
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 03/02/16



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA31884-1	03-08SC0000	No hits reported in this sample.				
FA31884-1A	03-08SC0000	No hits reported in this sample.				
Lead		159	1.9	0.38	mg/kg	SW846 6010C
FA31884-2	03-08SC0000Q	No hits reported in this sample.				
Lead		86.2	1.8	0.37	mg/kg	SW846 6010C
FA31884-5	03-05SC0000	No hits reported in this sample.				
FA31884-5A	03-05SC0000	No hits reported in this sample.				
Lead		21.9	1.8	0.37	mg/kg	SW846 6010C
FA31884-8	03-09SC0000	No hits reported in this sample.				
FA31884-8A	03-09SC0000	No hits reported in this sample.				
Lead		61.0	2.0	0.39	mg/kg	SW846 6010C
FA31884-11	03-07SC0000	No hits reported in this sample.				
FA31884-11A	03-07SC0000	No hits reported in this sample.				
Lead		48.0	1.9	0.38	mg/kg	SW846 6010C
FA31884-14	01-05SC0000	No hits reported in this sample.				
FA31884-14A	01-05SC0000	No hits reported in this sample.				
Lead		14.3	1.9	0.37	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA31884
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 03/02/16



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA31884-17	01-08SC0000	No hits reported in this sample.				
FA31884-17A	01-08SC0000	Lead	6.3	1.8	0.37	mg/kg SW846 6010C
FA31884-20	01-09SC0000	No hits reported in this sample.				
FA31884-21	01-09SC0000Q	No hits reported in this sample.				
FA31884-26	WG-07SC0000	No hits reported in this sample.				
FA31884-26A	WG-07SC0000	Lead	14.3	1.9	0.37	mg/kg SW846 6010C
FA31884-29	WG-04SC0000	No hits reported in this sample.				
FA31884-29A	WG-04SC0000	Lead	16.5	1.9	0.38	mg/kg SW846 6010C
FA31884-30	03-ER09SC	No hits reported in this sample.				
FA31884-33	WG-05SC0000	No hits reported in this sample.				
FA31884-33A	WG-05SC0000	Lead	18.9	1.9	0.38	mg/kg SW846 6010C

Sample Results

Report of Analysis

SGS Accutest

Report of Analysis

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Client Sample ID:	03-08SC0000	
Lab Sample ID:	FA31884-1	Date Sampled: 03/02/16
Matrix:	SO - Soil	Date Received: 03/03/16
Method:	SW846 8330B SW846 8330B	Percent Solids: n/a
Project:	Ft Ord; CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB050507.D	1	03/18/16	KL	03/16/16	OP59727	GBB1426
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.1 g	50.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
2691-41-0	HMX	50 U	99	50	40	ug/kg	
121-82-4	RDX	50 U	99	50	40	ug/kg	
118-96-7	2,4,6-Trinitrotoluene	50 U	99	50	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	84%		69-134%

U = Not detected LOD = Limit of Detection
 LOQ = Limit of Quantitation DL = Detection Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 03-08SC0000	Date Sampled: 03/02/16
Lab Sample ID: FA31884-1A	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.2
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	159	1.9	0.38	0.096	mg/kg	5	04/12/16	04/12/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13088

(2) Prep QC Batch: MP30234

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 03-08SC0000Q	Date Sampled: 03/02/16
Lab Sample ID: FA31884-2	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.3
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	86.2	1.8	0.37	0.092	mg/kg	5	04/12/16	04/12/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13088

(2) Prep QC Batch: MP30234

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

SGS Accutest

Report of Analysis

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Client Sample ID:	03-05SC0000	
Lab Sample ID:	FA31884-5	Date Sampled: 03/02/16
Matrix:	SO - Soil	Date Received: 03/03/16
Method:	SW846 8330B SW846 8330B	Percent Solids: n/a
Project:	Ft Ord; CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB050513.D	1	03/18/16	KL	03/16/16	OP59727	GBB1426
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.0 g	50.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
2691-41-0	HMX	50 U	100	50	40	ug/kg	
121-82-4	RDX	50 U	100	50	40	ug/kg	
118-96-7	2,4,6-Trinitrotoluene	50 U	100	50	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	81%		69-134%

U = Not detected LOD = Limit of Detection
 LOQ = Limit of Quantitation DL = Detection Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 03-05SC0000	Date Sampled: 03/02/16
Lab Sample ID: FA31884-5A	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.5
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	21.9	1.8	0.37	0.092	mg/kg	5	04/12/16	04/12/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13088

(2) Prep QC Batch: MP30234

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

SGS Accutest

Report of Analysis

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Client Sample ID: 03-09SC0000	
Lab Sample ID: FA31884-8	Date Sampled: 03/02/16
Matrix: SO - Soil	Date Received: 03/03/16
Method: SW846 8330B SW846 8330B	Percent Solids: n/a
Project: Ft Ord; CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB050514.D	1	03/18/16	KL	03/16/16	OP59727	GBB1426
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.0 g	50.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
2691-41-0	HMX	50 U	100	50	40	ug/kg	
121-82-4	RDX	50 U	100	50	40	ug/kg	
118-96-7	2,4,6-Trinitrotoluene	50 U	100	50	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	87%		69-134%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
 LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.6
4

Report of Analysis

Client Sample ID: 03-09SC0000	Date Sampled: 03/02/16
Lab Sample ID: FA31884-8A	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.7
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	61.0	2.0	0.39	0.098	mg/kg	5	04/12/16	04/12/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13088

(2) Prep QC Batch: MP30234

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

SGS Accutest

Report of Analysis

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Client Sample ID: 03-07SC0000	
Lab Sample ID: FA31884-11	Date Sampled: 03/02/16
Matrix: SO - Soil	Date Received: 03/03/16
Method: SW846 8330B SW846 8330B	Percent Solids: n/a
Project: Ft Ord; CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB050515.D	1	03/18/16	KL	03/16/16	OP59727	GBB1426
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.1 g	50.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
2691-41-0	HMX	50 U	99	50	40	ug/kg	
121-82-4	RDX	50 U	99	50	40	ug/kg	
118-96-7	2,4,6-Trinitrotoluene	50 U	99	50	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	88%		69-134%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
 LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.8
4

Report of Analysis

Client Sample ID: 03-07SC0000	Date Sampled: 03/02/16
Lab Sample ID: FA31884-11A	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.9
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	48.0	1.9	0.38	0.095	mg/kg	5	04/12/16	04/12/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13088

(2) Prep QC Batch: MP30234

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

SGS Accutest

Report of Analysis

Page 1 of 1

Client Sample ID: 01-05SC0000	
Lab Sample ID: FA31884-14	Date Sampled: 03/02/16
Matrix: SO - Soil	Date Received: 03/03/16
Method: SW846 8330B SW846 8330B	Percent Solids: n/a
Project: Ft Ord; CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB050516.D	1	03/18/16	KL	03/16/16	OP59727	GBB1426
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.1 g	50.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
2691-41-0	HMX	50 U	99	50	40	ug/kg	
121-82-4	RDX	50 U	99	50	40	ug/kg	
118-96-7	2,4,6-Trinitrotoluene	50 U	99	50	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	85%		69-134%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
 LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.10
4

Report of Analysis

Client Sample ID: 01-05SC0000	Date Sampled: 03/02/16
Lab Sample ID: FA31884-14A	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.11
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	14.3	1.9	0.37	0.093	mg/kg	5	04/12/16	04/12/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13088

(2) Prep QC Batch: MP30234

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

SGS Accutest

Report of Analysis

Page 1 of 1

Client Sample ID:	01-08SC0000	
Lab Sample ID:	FA31884-17	Date Sampled: 03/02/16
Matrix:	SO - Soil	Date Received: 03/03/16
Method:	SW846 8330B SW846 8330B	Percent Solids: n/a
Project:	Ft Ord; CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB050517.D	1	03/18/16	KL	03/16/16	OP59727	GBB1426
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.0 g	50.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
2691-41-0	HMX	50 U	100	50	40	ug/kg	
121-82-4	RDX	50 U	100	50	40	ug/kg	
118-96-7	2,4,6-Trinitrotoluene	50 U	100	50	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	88%		69-134%

U = Not detected LOD = Limit of Detection
 LOQ = Limit of Quantitation DL = Detection Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 01-08SC0000	Date Sampled: 03/02/16
Lab Sample ID: FA31884-17A	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.13
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	6.3	1.8	0.37	0.092	mg/kg	5	04/12/16	04/12/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13088

(2) Prep QC Batch: MP30234

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

SGS Accutest

Report of Analysis

Page 1 of 1

Client Sample ID: 01-09SC0000	
Lab Sample ID: FA31884-20	Date Sampled: 03/02/16
Matrix: SO - Soil	Date Received: 03/03/16
Method: SW846 8330B SW846 8330B	Percent Solids: n/a
Project: Ft Ord; CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB050518.D	1	03/18/16	KL	03/16/16	OP59727	GBB1426
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.1 g	50.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
2691-41-0	HMX	50 U	99	50	40	ug/kg	
121-82-4	RDX	50 U	99	50	40	ug/kg	
118-96-7	2,4,6-Trinitrotoluene	50 U	99	50	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	83%		69-134%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
 LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.14
4

SGS Accutest

Report of Analysis

Page 1 of 1

Client Sample ID: 01-09SC0000Q	
Lab Sample ID: FA31884-21	Date Sampled: 03/02/16
Matrix: SO - Soil	Date Received: 03/03/16
Method: SW846 8330B SW846 8330B	Percent Solids: n/a
Project: Ft Ord; CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB050519.D	1	03/18/16	KL	03/16/16	OP59727	GBB1426
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.0 g	50.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
2691-41-0	HMX	50 U	100	50	40	ug/kg	
121-82-4	RDX	50 U	100	50	40	ug/kg	
118-96-7	2,4,6-Trinitrotoluene	50 U	100	50	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	85%		69-134%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
 LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.15
4

SGS Accutest

Report of Analysis

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Client Sample ID: WG-07SC0000	
Lab Sample ID: FA31884-26	Date Sampled: 03/02/16
Matrix: SO - Soil	Date Received: 03/03/16
Method: SW846 8330B SW846 8330B	Percent Solids: n/a
Project: Ft Ord; CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB050524.D	1	03/18/16	KL	03/16/16	OP59727	GBB1426
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.0 g	50.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
2691-41-0	HMX	50 U	100	50	40	ug/kg	
121-82-4	RDX	50 U	100	50	40	ug/kg	
118-96-7	2,4,6-Trinitrotoluene	50 U	100	50	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	89%		69-134%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
 LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.16
4

Report of Analysis

Client Sample ID: WG-07SC0000	Date Sampled: 03/02/16
Lab Sample ID: FA31884-26A	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.17
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	14.3	1.9	0.37	0.093	mg/kg	5	04/12/16	04/12/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13088

(2) Prep QC Batch: MP30234

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

SGS Accutest

Report of Analysis

Page 1 of 1

Client Sample ID: WG-04SC0000	
Lab Sample ID: FA31884-29	Date Sampled: 03/02/16
Matrix: SO - Soil	Date Received: 03/03/16
Method: SW846 8330B SW846 8330B	Percent Solids: n/a
Project: Ft Ord; CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB050525.D	1	03/18/16	KL	03/16/16	OP59727	GBB1426
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.1 g	50.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
2691-41-0	HMX	50 U	99	50	40	ug/kg	
121-82-4	RDX	50 U	99	50	40	ug/kg	
118-96-7	2,4,6-Trinitrotoluene	50 U	99	50	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	89%		69-134%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
 LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.18
4

Report of Analysis

Client Sample ID: WG-04SC0000	Date Sampled: 03/02/16
Lab Sample ID: FA31884-29A	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.19
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	16.5	1.9	0.38	0.094	mg/kg	5	04/12/16	04/12/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13088

(2) Prep QC Batch: MP30234

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

SGS Accutest

Report of Analysis

Page 1 of 1

Client Sample ID:	03-ER09SC	
Lab Sample ID:	FA31884-30	Date Sampled: 03/02/16
Matrix:	AQ - Equipment Blank	Date Received: 03/03/16
Method:	SW846 8330B SW846 3535A	Percent Solids: n/a
Project:	Ft Ord; CA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB050337.D	1	03/15/16	KL	03/08/16	OP59619	GBB1423
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
2691-41-0	HMX	0.095 U	0.19	0.095	0.076	ug/l	
121-82-4	RDX	0.095 U	0.19	0.095	0.076	ug/l	
118-96-7	2,4,6-Trinitrotoluene	0.095 U	0.19	0.095	0.076	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	93%		70-136%

U = Not detected LOD = Limit of Detection
 LOQ = Limit of Quantitation DL = Detection Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

4.20

4

Report of Analysis

Client Sample ID: 03-ER09SC	Date Sampled: 03/02/16
Lab Sample ID: FA31884-30	Date Received: 03/03/16
Matrix: AQ - Equipment Blank	Percent Solids: n/a
Project: Ft Ord; CA	

4.20
4

Total Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.0 U	5.0	2.0	1.1	ug/l	1	03/08/16	03/08/16 LM	SW846 6010C ¹	SW846 3010A ²

- (1) Instrument QC Batch: MA13018
- (2) Prep QC Batch: MP30077

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection J = Indicates a result > = DL (MDL) but < LOQ

SGS Accutest

Report of Analysis

Page 1 of 1

Client Sample ID: WG-05SC0000	
Lab Sample ID: FA31884-33	Date Sampled: 03/02/16
Matrix: SO - Soil	Date Received: 03/03/16
Method: SW846 8330B SW846 8330B	Percent Solids: n/a
Project: Ft Ord; CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB050526.D	1	03/18/16	KL	03/16/16	OP59727	GBB1426
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.0 g	50.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
2691-41-0	HMX	50 U	100	50	40	ug/kg	
121-82-4	RDX	50 U	100	50	40	ug/kg	
118-96-7	2,4,6-Trinitrotoluene	50 U	100	50	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	84%		69-134%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
 LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.21
4

Report of Analysis

Client Sample ID: WG-05SC0000	Date Sampled: 03/02/16
Lab Sample ID: FA31884-33A	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.22
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	18.9	1.9	0.38	0.094	mg/kg	5	04/12/16	04/12/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13088

(2) Prep QC Batch: MP30234

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Misc. Forms**Custody Documents and Other Forms**

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

CHAIN-OF-CUSTODY RECORD

Gilbane
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COC # *RP-030216-01*

FA31884 

Project Name: Fort Ord <i> D V H Z L G H 5 D Q J H S V V H V P</i>	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: <i> 5 5</i>	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Analytical Test Method 2 SW8330B - Explosives 13 SW8010C - Lead 1 SW8330B - Explosives by ISM 1 SW8010C - Lead by ISM	Code Matrix
		SO SOIL
Equipment:		Code Container/Preservative
		2 2" 1L amber, 4 degrees C 1 1" 1.0-1.5 kilogram bag 13 1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016

Sample ID	Matrix	Date	Time	Samp Init.				Location ID	Sample Type	Depth (ft bgs)	
										Top	Bottom
① 03-08SC0000	SO	03/02/16	0902	RP		X	X	03-08	NI	0.0	0.5
② 03-08SC0000			0902	RP		X	X	03-08	FD	0.0	0.5
③ 03-08SC0001			0916	RP		X	X	03-08	NI	1.0	1.5
④ 03-08SC0002			0933	RP		X	X	03-08	NI	2.0	2.5
⑤ 03-05SC0000			1005	RP		X	X	03-05	NI	0.0	0.5
⑥ 03-05SC0001			1014	RP		X	X	03-05	NI	1.0	1.5
⑦ 03-05SC0002			1024	RP		X	X	03-05	NI	2.0	2.5
⑧ 03-09SC0000			1057	RP		X	X	03-09	NI	0.0	0.5
⑨ 03-09SC0001			1111	RP		X	X	03-09	NI	1.0	1.5

Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>ADD Silva</i>	3/2/16	1630				
<i>FX</i>	3/2/16	1630	<i>FX</i>			
			<i>[Signature]</i>	3/3/16	948	

Received by Laboratory: (Signature, Date, Time) & condition
3.6, 3.6, 3.8, 3.8, 3.8

ENV.COC.Record July 06, 2015

5.1
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FA31884: Chain of Custody
Page 1 of 7

CHAIN-OF-CUSTODY RECORD

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COC # RA-030216-02

FA31884



Project Name: Fort Ord D V H Z L G H 5 D Q J H S V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW6330B - Explosives SW6010C - Lead SW6330B - Explosives by ISM SW6010C - Lead by ISM	Code Matrix
			SO SOIL WQ WATER QUALITY CONTROL MATRIX
			Code Container/Preservative
			2 2" 1L amber, 4 degrees C
			1 1" 1.5 kilogram bag
			13 1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016

Sample ID	Matrix	Date	Time	Samp Init.	Location ID	Sample Type	Depth (ft bgs) Top - Bottom	
1 03-09SC0002	SO	03/02/16	11:25	RP	03-09	N1	2.0 2.5	HOLD
2 03-07SC0000			12:51	RP	03-07	N1	0.0 0.5	HOLD
3 03-07SC0001			13:08	RP	03-07	N1	1.0 1.5	HOLD
4 03-07SC0002			13:22	RP	03-07	N1	2.0 2.5	HOLD
5 01-05SC0000			08:45	TW	01-05	N1	0.0 0.5	HOLD
6 01-05SC0001			09:00	TW	01-05	N1	1.0 1.5	HOLD
7 01-05SC0002			09:30	TW	01-05	N1	2.0 2.5	HOLD
8 01-08SC0000			10:00	TW	01-08	N1	0.0 0.5	HOLD
9 01-08SC0001	✓	✓	10:10		01-08	N1	1.0 1.5	HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	3/2/16	1630				
<i>[Signature]</i>	3/2/16	1630	<i>[Signature]</i>	3/3/16	945	
						Received by Laboratory: (Signature, Date, Time) & condition

5.1
5

CHAIN-OF-CUSTODY RECORD

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COC # RA-080216-03



FA31884

Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW8530B - Explosives	SW8610C - Lead	SW8530B - Explosives by ISM	SW8610C - Lead by ISM	Code Matrix
						SO SOIL
						WQ WATER QUALITY CONTROL MATRIX
						Code Container/Preservative
2 2* 1L amber, 4 degrees C						
1 1* 1.0-1.5 kilogram bag						
13 1* 250ml poly, with HNO3						

Event ID: Basewide Range Assessment Spring 2016

(2) (3) (4) (5) (6) (7) (8) (9)

Sample ID	Matrix	Date	Time	Samp Init.				Location ID	Sample Type	Depth (ft bgs)		
										Top	Bottom	
1 01-09SC00002	SO	03/02/16	1020	TW	X	X		01-08	NI	2.0	2.5	HOLD
2 01-09SC00000	SO	03/02/16	1100	TW	X			01-09	NI	0.0	0.5	
3 01-09SC00000	SO		1100	TW	X			01-09	FD	0.0	0.5	
4 01-09SC00001			1115	TW	X			01-09	NI	1.0	1.5	HOLD
5 01-09SC00010			1115	TW	X			01-09	FD	1.0	1.5	HOLD
6 01-09SC00002			1130	TW	X			01-09	NI	2.0	2.5	HOLD
7 01-09SC00002			1130	TW	X			01-09	FD	2.0	2.5	HOLD
8 WG-07SC00000			1245	TW	X	X		WG BA-07	NI	0.0	0.5	
9 WG-07SC00001	✓	✓	1300	TW	X	X		WG BA-07	NI	1.0	1.5	HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	3/2/16	1630				
<i>[Signature]</i>	3/2/16	1630				
FX			<i>[Signature]</i>	3/3/16	945	
						Received by Laboratory: (Signature, Date, Time) & condition

FA31884: Chain of Custody
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5.1 5

CHAIN-OF-CUSTODY RECORD

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coc # RP: 030216-04

FA31884



Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW6330B - Explosives SW6010C - Lead SW6330B - Explosives by ISM SW6010C - Lead by ISM	Code	Matrix
			SO	SOIL
			WQ	WATER QUALITY CONTROL MATRIX
			Code	Container/Preservative
			2	2" 1L amber, 4 degrees C
			1	1" 1.0-1.5 kilogram bag
			13	1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016												
Sample ID	Matrix	Date	Time	Samp Init.				Location ID	Sample Type	Depth (ft bgs) Top - Bottom		
1 NG-07SC0002	SO	03/02/16	1315	TW		X	X	WGBA-07	N1	2.0	2.5	HOLD
2 NG-04SC0000	SO		1345	TW		X	X	WGBA-04	N1	0.0	0.5	
3 03-ER09SC	WQ		1437	RP	XX			FIELD QC	EB	NA	NA	
4 NG-04SC0001	SO		1400	TW		X	X	WGBA-04	N1	1.0	1.5	HOLD
5 NG-04SC0002			1410	TW		X	X	WGBA-04	N1	2.0	2.5	HOLD
6 NG-05SC0000			1425	TW		X	X	WGBA-05	N1	0.0	0.5	
7 NG-05SC0001			1440	TW		X	X	WGBA-05	N1	1.0	1.5	HOLD
8 NG-05SC0002			1450	TW		X	X	WGBA-05	N1	2.0	2.5	HOLD
9												

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	3/2/16	1630				
<i>P. With</i>	3/2/16	1630	<i>FX</i>			
<i>FX</i>			<i>[Signature]</i>	3/3/16	945	

FA31884: Chain of Custody
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5.1
5

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA31884 CLIENT: Gilbane PROJECT: Fort Ord
 DATE/TIME RECEIVED: 3/3/16 945 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 5
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER DELIVERY OTHER: _____
 AIRBILL NUMBERS: 8088 8917 3475

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM _____ 5-GRAM _____
 NUMBER OF 5035 FIELD KITS ? _____
 NUMBER OF LAB FILTERED METALS ? _____
 TEST STRIP LOT#s pH 0-3 204413A

TEMPERATURE INFORMATION

- IR THERM ID 1 CORR. FACTOR 10.2
- OBSERVED TEMPS: 3.7, 3.4, 3.6, 3.6, 3.6
- CORRECTED TEMPS: 3.6, 3.6, 3.8, 3.8, 3.8 (USED FOR LIMS)

SAMPLE INFORMATION

- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- % SOLIDS JAR NOT RECEIVED
- RESIDUAL CHLORINE PRESENT LOT# _____

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

pH 10-12 219813A OTHER (specify) _____

SUMMARY OF COMMENTS: _____

TECHNICIAN SIGNATURE/DATE

NF 11/15

[Handwritten Signature]

REVIEWER SIGNATURE/DATE

receipt confirmation 111015.xls

[Handwritten Signature] 3/3/16

5.1
5

Job Change

FA31884

Requested Date: 3/11/2016
Account Name: Gilbane Company
Project: Fort Ord AFB, CA
CSR: sueb

Received Date: 3/3/2016
Due Date: 3/17/2016
Deliverable: FULT1
TAT (Days): 14

=====
Sample #: FA31884-3,4,6,7,9,10,12,13
15,16,18,19,22,23,24,25,27,28,32,32,34,35

Change:
8330B should be extracted and held.

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Above Changes Per: Eric M

Date/Time: 3/11/2016 4:08:05 PM

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

FA31884: Chain of Custody
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5.1
5

QC Evaluation: DOD QSM5 Limits

Job Number: FA31884
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 03/02/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
OP59619 SW846 8330B							
OP59619-BS	2691-41-0	HMX	BSP	REC	92	%	65-135
OP59619-BS	121-82-4	RDX	BSP	REC	102	%	68-130
OP59619-BS	118-96-7	2,4,6-Trinitrotoluene	BSP	REC	102	%	71-123
OP59727 SW846 8330B							
OP59727-BS	2691-41-0	HMX	BSP	REC	90	%	74-124
OP59727-BS	121-82-4	RDX	BSP	REC	98	%	67-129
OP59727-BS	118-96-7	2,4,6-Trinitrotoluene	BSP	REC	94	%	71-120
OP59727-MS	2691-41-0	HMX	MS	REC	88	%	74-124
OP59727-MS	121-82-4	RDX	MS	REC	95	%	67-129
OP59727-MS	118-96-7	2,4,6-Trinitrotoluene	MS	REC	87	%	71-120
OP59727-MSD	2691-41-0	HMX	MSD	REC	92	%	74-124
OP59727-MSD	2691-41-0	HMX	MSD	RPD	4	%	20
OP59727-MSD	121-82-4	RDX	MSD	REC	95	%	67-129
OP59727-MSD	121-82-4	RDX	MSD	RPD	0	%	20
OP59727-MSD	118-96-7	2,4,6-Trinitrotoluene	MSD	REC	86	%	71-120
OP59727-MSD	118-96-7	2,4,6-Trinitrotoluene	MSD	RPD	1	%	20
OP59727-DUP	2691-41-0	HMX	DUP	RPD	0	%	20
OP59727-DUP	121-82-4	RDX	DUP	RPD	0	%	20
OP59727-DUP	118-96-7	2,4,6-Trinitrotoluene	DUP	RPD	0	%	20
OP59727-DUP2	2691-41-0	HMX	DUP	RPD	0	%	20
OP59727-DUP2	121-82-4	RDX	DUP	RPD	0	%	20
OP59727-DUP2	118-96-7	2,4,6-Trinitrotoluene	DUP	RPD	0	%	20
MP30077 SW846 6010C							
MP30077-B1	7439-92-1	Lead	BSP	REC	103.2	%	86-113
MP30077-S1*	7439-92-1	Lead	MS	REC	103.2	%	86-113
MP30077-S2*	7439-92-1	Lead	MSD	REC	102.6	%	86-113
MP30077-S2*	7439-92-1	Lead	MSD	RPD	.6	%	20
MP30077-D1*	7439-92-1	Lead	DUP	RPD	1.1	%	20
MP30234 SW846 6010C							
MP30234-B1	7439-92-1	Lead	BSP	REC	101	%	81-112
MP30234-S1	7439-92-1	Lead	MS	REC	-20.9 ^a	%	81-112
MP30234-S2	7439-92-1	Lead	MSD	REC	-70.5 ^a	%	81-112
MP30234-S2	7439-92-1	Lead	MSD	RPD	3.2	%	20
MP30234-D1	7439-92-1	Lead	DUP	RPD	12	%	20
MP30234-D2	7439-92-1	Lead	DUP	RPD	8.5	%	20

* Sample used for QC is not from job FA31884

5.2
5

QC Evaluation: DOD QSM5 Limits

Job Number: FA31884
Account: Kemron Environmental Services, Inc
Project: Ft Ord; CA
Collected: 03/02/16

QC Sample ID	CAS#	Analyte	Sample Result Type	Result Type	Units	Limits
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(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

5.2
5

* Sample used for QC is not from job FA31884

GC Semi-volatiles

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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: FA31884
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59619-MB	BB050335.D	1	03/15/16	KL	03/08/16	OP59619	GBB1423

The QC reported here applies to the following samples:

Method: SW846 8330B

FA31884-30

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	0.20	0.080	ug/l	
121-82-4	RDX	ND	0.20	0.080	ug/l	
118-96-7	2,4,6-Trinitrotoluene	ND	0.20	0.080	ug/l	

CAS No.	Surrogate Recoveries	Limits
610-39-9	3,4-Dinitrotoluene	95% 70-136%

6.1.1
6

Method Blank Summary

Job Number: FA31884
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59727-MB	BB050506.D	1	03/18/16	KL	03/16/16	OP59727	GBB1426

The QC reported here applies to the following samples:

Method: SW846 8330B

FA31884-1, FA31884-5, FA31884-8, FA31884-11, FA31884-14, FA31884-17, FA31884-20, FA31884-21, FA31884-26, FA31884-29, FA31884-33

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	100	40	ug/kg	
121-82-4	RDX	ND	100	40	ug/kg	
118-96-7	2,4,6-Trinitrotoluene	ND	100	40	ug/kg	

CAS No.	Surrogate Recoveries	Limits
610-39-9	3,4-Dinitrotoluene	91% 69-134%

6.1.2
6

Blank Spike Summary

Job Number: FA31884
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59619-BS ^a	BB050334.D	1	03/15/16	KL	03/08/16	OP59619	GBB1423

The QC reported here applies to the following samples:

Method: SW846 8330B

FA31884-30

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
2691-41-0	HMX	5	4.6	92	77-144
121-82-4	RDX	5	5.1	102	77-125
118-96-7	2,4,6-Trinitrotoluene	5	5.1	102	72-112

CAS No.	Surrogate Recoveries	BSP	Limits
610-39-9	3,4-Dinitrotoluene	102%	70-136%

(a) Insufficient sample for MS/MSD.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA31884
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59727-BS	BB050503.D	1	03/18/16	KL	03/16/16	OP59727	GBB1426

The QC reported here applies to the following samples:

Method: SW846 8330B

FA31884-1, FA31884-5, FA31884-8, FA31884-11, FA31884-14, FA31884-17, FA31884-20, FA31884-21, FA31884-26, FA31884-29, FA31884-33

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
2691-41-0	HMX	2500	2250	90	75-147
121-82-4	RDX	2500	2440	98	79-126
118-96-7	2,4,6-Trinitrotoluene	2500	2340	94	70-123

CAS No.	Surrogate Recoveries	BSP	Limits
610-39-9	3,4-Dinitrotoluene	94%	69-134%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: FA31884
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59727-PT1	BB050504.D	1	03/18/16	KL	03/16/16	OP59727	GBB1426

The QC reported here applies to the following samples:

Method: SW846 8330B

FA31884-1, FA31884-5, FA31884-8, FA31884-11, FA31884-14, FA31884-17, FA31884-20, FA31884-21, FA31884-26, FA31884-29, FA31884-33

CAS No.	Compound	Spike ug/kg	LCS ug/kg	LCS %	Limits
2691-41-0	HMX	620	476	77	74-124
121-82-4	RDX	587	488	83	67-129
118-96-7	2,4,6-Trinitrotoluene	808	626	77	71-120

CAS No.	Surrogate Recoveries	BSP	Limits
610-39-9	3,4-Dinitrotoluene	80% ^a	69-134%

(a) Surrogate recoveries corrected for actual spike amount.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA31884
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59727-MS	BB050508.D	1	03/18/16	KL	03/16/16	OP59727	GBB1426
OP59727-MSD	BB050512.D	1	03/18/16	KL	03/16/16	OP59727	GBB1426
FA31884-1	BB050507.D	1	03/18/16	KL	03/16/16	OP59727	GBB1426

The QC reported here applies to the following samples:

Method: SW846 8330B

FA31884-1, FA31884-5, FA31884-8, FA31884-11, FA31884-14, FA31884-17, FA31884-20, FA31884-21, FA31884-26, FA31884-29, FA31884-33

CAS No.	Compound	FA31884-1 ug/kg	Spike Q	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
2691-41-0	HMX	99 U	2500	2210	88	2500	2300	92	4	75-147/22
121-82-4	RDX	99 U	2500	2380	95	2500	2370	95	0	79-126/21
118-96-7	2,4,6-Trinitrotoluene	99 U	2500	2170	87	2500	2150	86	1	70-123/16

CAS No.	Surrogate Recoveries	MS	MSD	FA31884-1	Limits
610-39-9	3,4-Dinitrotoluene	88%	86%	84%	69-134%

* = Outside of Control Limits.

Duplicate Summary

Job Number: FA31884
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59727-DUP	BB050520.D	1	03/18/16	KL	03/16/16	OP59727	GBB1426
FA31884-21	BB050519.D	1	03/18/16	KL	03/16/16	OP59727	GBB1426

The QC reported here applies to the following samples:

Method: SW846 8330B

FA31884-1, FA31884-5, FA31884-8, FA31884-11, FA31884-14, FA31884-17, FA31884-20, FA31884-21, FA31884-26, FA31884-29, FA31884-33

CAS No.	Compound	FA31884-21 DUP		RPD	Limits
		ug/kg	Q		
2691-41-0	HMX	100 U	ND	nc	22
121-82-4	RDX	100 U	ND	nc	21
118-96-7	2,4,6-Trinitrotoluene	100 U	ND	nc	16

CAS No.	Surrogate Recoveries	DUP	FA31884-21	Limits
610-39-9	3,4-Dinitrotoluene	84%	85%	69-134%

* = Outside of Control Limits.

Duplicate Summary

Job Number: FA31884
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59727-DUP2	BB050521.D	1	03/18/16	KL	03/16/16	OP59727	GBB1426
FA31884-21	BB050519.D	1	03/18/16	KL	03/16/16	OP59727	GBB1426

The QC reported here applies to the following samples:

Method: SW846 8330B

FA31884-1, FA31884-5, FA31884-8, FA31884-11, FA31884-14, FA31884-17, FA31884-20, FA31884-21, FA31884-26, FA31884-29, FA31884-33

CAS No.	Compound	FA31884-21 DUP		RPD	Limits
		ug/kg	Q		
2691-41-0	HMX	100 U	ND	nc	22
121-82-4	RDX	100 U	ND	nc	21
118-96-7	2,4,6-Trinitrotoluene	100 U	ND	nc	16

CAS No.	Surrogate Recoveries	DUP	FA31884-21	Limits
610-39-9	3,4-Dinitrotoluene	84%	85%	69-134%

* = Outside of Control Limits.

6.5.2
 6

Semivolatile Surrogate Recovery Summary

Job Number: FA31884
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Method: SW846 8330B	Matrix: AQ
---------------------	------------

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a
FA31884-30	BB050337.D	93
OP59619-BS	BB050334.D	102
OP59619-MB	BB050335.D	95

Surrogate Compounds	Recovery Limits
---------------------	-----------------

S1 = 3,4-Dinitrotoluene	70-136%
-------------------------	---------

(a) Recovery from GC signal #1

Semivolatile Surrogate Recovery Summary

Job Number: FA31884
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Method: SW846 8330B	Matrix: SO
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Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a
FA31884-1	BB050507.D	84
FA31884-5	BB050513.D	81
FA31884-8	BB050514.D	87
FA31884-11	BB050515.D	88
FA31884-14	BB050516.D	85
FA31884-17	BB050517.D	88
FA31884-20	BB050518.D	83
FA31884-21	BB050519.D	85
FA31884-26	BB050524.D	89
FA31884-29	BB050525.D	89
FA31884-33	BB050526.D	84
OP59727-BS	BB050503.D	94
OP59727-DUP	BB050520.D	84
OP59727-DUP2	BB050521.D	84
OP59727-MB	BB050506.D	91
OP59727-MS	BB050508.D	88
OP59727-MSD	BB050512.D	86
OP59727-PT1	BB050504.D	80 ^b

Surrogate Compounds	Recovery Limits
---------------------	-----------------

S1 = 3,4-Dinitrotoluene	69-134%
-------------------------	---------

- (a) Recovery from GC signal #1
- (b) Surrogate recoveries corrected for actual spike amount.

6.6.2
6

GC Surrogate Retention Time Summary

Job Number: FA31884
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Check Std:	GBB1423-CC1412	Injection Date:	03/15/16
Lab File ID:	BB050331.D	Injection Time:	06:52
Instrument ID:	GCBB	Method:	SW846 8330B

S1^a
RT

Check Std	11.16
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT
OP59619-BS	BB050334.D	03/15/16	08:26	11.17
OP59619-MB	BB050335.D	03/15/16	08:51	11.18
ZZZZZZ	BB050336.D	03/15/16	09:17	11.18
FA31884-30	BB050337.D	03/15/16	09:42	11.18
OP59710-BS	BB050338.D	03/15/16	10:13	11.19
OP59710-PT1	BB050341.D	03/15/16	11:30	11.19
OP59710-MB	BB050342.D	03/15/16	11:55	11.20
ZZZZZZ	BB050343.D	03/15/16	12:21	11.20

Surrogate Compounds

S1 = 3,4-Dinitrotoluene

(a) Retention time from GC signal #1

6.7.1
6

GC Surrogate Retention Time Summary

Job Number: FA31884
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Check Std:	GBB1426-CC1412	Injection Date:	03/18/16
Lab File ID:	BB050500.D	Injection Time:	08:54
Instrument ID:	GCBB	Method:	SW846 8330B

S1^a
RT

Check Std	11.04
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT
OP59727-BS	BB050503.D	03/18/16	10:20	11.05
OP59727-PT1	BB050504.D	03/18/16	10:46	11.06
OP59727-MB	BB050506.D	03/18/16	11:37	11.06
FA31884-1	BB050507.D	03/18/16	12:03	11.07
OP59727-MS	BB050508.D	03/18/16	12:28	11.06
OP59728-MSD	BB050509.D	03/18/16	13:00	11.09

Surrogate Compounds

S1 = 3,4-Dinitrotoluene

(a) Retention time from GC signal #1

6.7.2
6

GC Surrogate Retention Time Summary

Job Number: FA31884
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Check Std:	GBB1426-CC1412	Injection Date:	03/18/16
Lab File ID:	BB050510.D	Injection Time:	13:26
Instrument ID:	GCBB	Method:	SW846 8330B

S1^a
 RT

Check Std	11.08
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT
OP59727-MSD	BB050512.D	03/18/16	14:17	11.09
FA31884-5	BB050513.D	03/18/16	14:43	11.10
FA31884-8	BB050514.D	03/18/16	15:08	11.10
FA31884-11	BB050515.D	03/18/16	15:33	11.11
FA31884-14	BB050516.D	03/18/16	15:59	11.11
FA31884-17	BB050517.D	03/18/16	16:24	11.11
FA31884-20	BB050518.D	03/18/16	16:50	11.12
FA31884-21	BB050519.D	03/18/16	17:15	11.13
OP59727-DUP	BB050520.D	03/18/16	17:41	11.13
OP59727-DUP2	BB050521.D	03/18/16	18:06	11.13

Surrogate Compounds

S1 = 3,4-Dinitrotoluene

(a) Retention time from GC signal #1

6.7.3
 6

GC Surrogate Retention Time Summary

Job Number: FA31884
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Check Std:	GBB1426-CC1412	Injection Date:	03/18/16
Lab File ID:	BB050522.D	Injection Time:	18:32
Instrument ID:	GCBB	Method:	SW846 8330B

S1^a
RT

Check Std	11.14
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT
FA31884-26	BB050524.D	03/18/16	19:23	11.14
FA31884-29	BB050525.D	03/18/16	19:48	11.14
FA31884-33	BB050526.D	03/18/16	20:14	11.15
OP59709-MB	BB050527.D	03/18/16	20:39	11.14
OP59709-BS	BB050528.D	03/18/16	21:05	11.15
JC15561-1	BB050529.D	03/18/16	21:30	11.15
OP59709-MS	BB050530.D	03/18/16	21:56	11.15
OP59709-MSD	BB050531.D	03/18/16	22:21	11.15
ZZZZZZ	BB050532.D	03/18/16	22:47	11.16
ZZZZZZ	BB050533.D	03/18/16	23:12	11.18

Surrogate Compounds

S1 = 3,4-Dinitrotoluene

(a) Retention time from GC signal #1

6.7.4
6

Initial Calibration Summary

Job Number: FA31884
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1412-ICC1412
 Lab FileID: BB049970.D

Response Factor Report G1315B

Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Feb 25 09:31:23 2016
 Response via : Initial Calibration

Calibration Files

20 =BB049966.D 50 =BB049967.D 100 =BB049968.D 200 =BB049969.D
 500 =BB049970.D 1000=BB049971.D 2000=BB049972.D

Compound	20	50	100	200	500	1000	2000	Avg	%RSD
1) TNX	2.979	2.981	3.053	3.059	3.110	3.199	3.306	3.098	E3 3.85
2) HMX	1.659	1.926	1.807	1.694	1.726	1.677	1.749	1.748	E3 5.30
3) DNX	3.366	3.101	3.032	2.860	2.826	2.845	2.965	2.999	E3 6.39
4) MNX	2.199	2.592	2.449	2.343	2.299	2.335	2.436	2.379	E3 5.31
5) RDX	2.135	1.916	1.754	1.763	1.718	1.722	1.804	1.830	E3 8.22
6) 1,3,5-Trinitroben	3.941	4.124	3.750	3.808	3.701	3.727	3.915	3.852	E3 3.92
7) 1,3-Dinitrobenzen	4.843	5.410	5.095	5.057	4.967	4.949	5.172	5.070	E3 3.63
8) 3,5-Dinitroanilin	4.605	4.809	4.483	4.550	4.319	4.360	4.526	4.522	E3 3.60
9) Nitrobenzene	3.045	3.112	2.915	2.967	2.950	2.948	2.990	2.989	E3 2.26
10) Nitroglycerin								0.000	-1.00
11) Tetryl	2.465	2.735	2.650	2.650	2.682	2.714	2.809	2.672	E3 3.99
12) 2,4,6-Trinitrotol	3.103	3.424	3.231	3.337	3.398	3.471	3.622	3.369	E3 4.98
13) 2-Amino-4,6-Dinit	2.460	2.825	2.672	2.887	2.994	3.098	3.234	2.882	E3 9.06
---- Quadratic regr., Force(0,0) ---- Coefficient = 1.0000									
Response Ratio = 0.00000 + 2928.82283 *A + 0.15349 *A^2									
14) 4-Amino-2,6-Dinit	2.441	2.371	2.071	2.093	2.124	2.181	2.265	2.221	E3 6.43
---- Linear regr., Force(0,0) ---- Coefficient = 0.9995									
Response Ratio = 0.00000 + 2240.92433 *A									
15)S 3,4-Dinitrotoluen	2.908	2.254	2.134	2.135	2.138	2.169	2.242	2.283	E3 12.27
16) 2,4-Dinitrotoluen	4.570	5.038	4.511	4.472	4.452	4.474	4.668	4.598	E3 4.52
17) 2,6-Dinitrotoluen	2.696	2.816	2.650	2.625	2.610	2.625	2.703	2.675	E3 2.69
18) o-Nitrotoluene	2.076	2.258	2.216	2.167	2.123	2.080	2.092	2.144	E3 3.33
19) p-Nitrotoluene	3.307	3.711	3.478	3.505	3.429	3.359	3.394	3.455	E3 3.81
20) m-Nitrotoluene	3.144	3.416	3.171	3.141	3.196	3.133	3.129	3.190	E3 3.22
21) PETN								0.000	-1.00

Signal #2

1) TNX	4.080	4.729	4.430	4.451	4.490	4.624	4.983	4.541	E3 6.18
2) HMX	4.397	5.440	5.064	4.957	4.823	4.742	4.763	4.884	E3 6.60
3) DNX	9.014	5.742	5.787	4.722	4.599	4.583	4.818	5.610	E3 28.31
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9998									
Response Ratio = 0.00000 + 4480.22679 *A + 0.16555 *A^2									
4) MNX	3.620	4.045	3.699	3.771	3.652	3.673	3.810	3.753	E3 3.86
5) RDX	2.994	3.009	2.796	2.850	2.785	2.812	2.916	2.880	E3 3.24
6) 1,3,5-Trinitroben	7.668	7.989	7.352	7.404	7.322	7.349	7.666	7.536	E3 3.30
7) 1,3-Dinitrobenzen	3.372	3.718	3.336	3.385	3.430	3.412	3.617	3.467	E3 4.13
8) 3,5-Dinitroanilin	7.265	8.037	7.300	7.401	7.447	7.336	7.634	7.489	E3 3.62
9) Nitrobenzene	3.185	2.887	2.894	2.878	2.863	2.806	2.857	2.910	E3 4.28
10) Nitroglycerin	1.164	1.324	1.206	1.220	1.201	1.202	1.263	1.226	E3 4.28
11) Tetryl	4.483	4.890	4.567	4.497	4.499	4.541	4.780	4.608	E3 3.48
12) 2,4,6-Trinitrotol	3.430	4.027	3.828	3.893	3.918	4.001	4.325	3.917	E3 6.84
13) 2-Amino-4,6-Dinit	3.505	4.090	4.048	4.137	4.203	4.306	4.750	4.148	E3 8.90
14) 4-Amino-2,6-Dinit	2.106	3.906	3.753	3.972	4.091	4.214	4.576	3.803	E3 20.85

6.8.1

6

Initial Calibration Summary

Job Number: FA31884
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Sample: GBB1412-ICC1412
Lab FileID: BB049970.D

---- Quadratic regr., Force(0,0) ---- Coefficient = 1.0000
Response Ratio = 0.00000 + 3877.09602 *A + 0.34896 *A^2

15)S 3,4-Dinitrotoluen 1.917 3.260 3.346 3.620 3.682 3.718 3.968 3.359 E3 20.19

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9999
Response Ratio = 0.00000 + 3510.29670 *A + 0.22781 *A^2

16)	2,4-Dinitrotoluen	2.594	2.707	2.744	2.782	2.873	2.922	3.056	2.811	E3	5.43
17)	2,6-Dinitrotoluen	2.746	3.368	3.101	3.244	3.446	3.436	3.521	3.266	E3	8.25
18)	o-Nitrotoluene	2.593	2.864	2.801	2.902	2.831	2.878	2.921	2.827	E3	3.93
19)	p-Nitrotoluene	2.380	2.679	2.602	2.702	2.781	2.835	2.913	2.699	E3	6.47
20)	m-Nitrotoluene	3.276	3.815	3.459	3.597	3.600	3.601	3.696	3.578	E3	4.79
21)	PETN	1.218	1.450	1.332	1.424	1.324	1.366	1.405	1.360	E3	5.75

(#) = Out of Range

8330B_0224.M

Thu Feb 25 09:42:22 2016

6.8.1

6

Initial Calibration Verification

Job Number: FA31884
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1412-ICV1412
 Lab FileID: BB049973.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\0224BPL\BB049973.D\dad1B.ch Vial: 18
 Signal #2 : C:\HPCHEM\1\DATA\0224BPL\BB049973.D\dad1A.ch
 Acq On : 24-Feb-2016, 15:01:30 Operator: kismet1
 Sample : icv1412-500 Inst : G1315B
 Misc : op59454,GBB1412,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Feb 25 09:31:23 2016
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT	Window
1	TNX	500.000	514.760	-3.0	103	0.00	1.08-	1.68
2	HMX	500.000	545.942	-9.2	111	0.03	1.16-	1.76
3	DNX	500.000	484.130	3.2	103	0.00	1.47-	2.07
4	MNX	500.000	509.751	-2.0	105	0.00	2.07-	2.67
5	RDX	500.000	521.128	-4.2	111	0.00	2.59-	3.39
6	1,3,5-Trinitrobenzene	500.000	524.415	-4.9	109	0.00	4.34-	5.14
7	1,3-Dinitrobenzene	500.000	500.510	-0.1	102	0.00	5.63-	6.43
8	3,5-Dinitroaniline	500.000	503.978	-0.8	106	0.00	6.09-	6.89
9	Nitrobenzene	500.000	543.632	-8.7	110	0.00	7.31-	8.11
10	Nitroglycerin			-----NA-----				
11	Tetryl	500.000	454.924	9.0	91	0.00	9.45-	10.25
12	2,4,6-Trinitrotoluene	500.000	467.528	6.5	93	0.00	9.86-	10.66
		----- Amount	Calc.	%Drift	-----			
13	2-Amino-4,6-Dinitrotol	500.000	556.984	-11.4	112	0.00	10.34-	11.14
14	4-Amino-2,6-Dinitrotol	500.000	570.056	-14.0	120	-0.01	10.91-	11.71
		----- Amount	Calc.	%Drift	-----			
15 S	3,4-Dinitrotoluene			-----NA-----				
16	2,4-Dinitrotoluene	500.000	526.873	-5.4	109	0.00	11.81-	12.61
17	2,6-Dinitrotoluene	500.000	537.720	-7.5	110	0.00	12.23-	13.03
18	o-Nitrotoluene	500.000	550.609	-10.1	111	0.00	14.40-	15.28
19	p-Nitrotoluene	500.000	529.016	-5.8	107	0.00	14.65-	15.65
20	m-Nitrotoluene	500.000	560.478	-12.1	112	0.00	15.17-	16.17
21	PETN			-----NA-----				
*****	Signal #2	*****						
1	TNX	500.000	511.805	-2.4	104	0.00	1.08-	1.68
2	HMX	500.000	531.002	-6.2	108	0.02	1.17-	1.77
		----- Amount	Calc.	%Drift	-----			
3	DNX	500.000	515.845	-3.2	102	0.00	1.47-	2.07
		----- Amount	Calc.	%Drift	-----			
4	MNX	500.000	503.578	-0.7	104	0.00	2.07-	2.67
5	RDX	500.000	530.575	-6.1	110	0.00	2.59-	3.39
6	1,3,5-Trinitrobenzene	500.000	524.983	-5.0	108	0.00	4.34-	5.14
7	1,3-Dinitrobenzene	500.000	501.717	-0.3	101	0.00	5.64-	6.44
8	3,5-Dinitroaniline	500.000	516.979	-3.4	104	0.00	6.08-	6.88
9	Nitrobenzene	500.000	540.309	-8.1	110	0.00	7.31-	8.11

Initial Calibration Verification

Job Number: FA31884
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1412-ICV1412
 Lab FileID: BB049973.D

		Amount	Calc.	%Drift			
10	Nitroglycerin	2500.000	2457.419	1.7	100	0.00	9.03-10.03
11	Tetryl	500.000	432.803	13.4	89	0.00	9.45-10.25
12	2,4,6-Trinitrotoluene	500.000	472.317	5.5	94	0.00	9.88-10.68
13	2-Amino-4,6-Dinitrotol	500.000	563.889	-12.8	111	0.00	10.35-11.15
----- Amount Calc. %Drift -----							
14	4-Amino-2,6-Dinitrotol	500.000	582.907	-16.6#	116	-0.02	10.91-11.71
15 S	3,4-Dinitrotoluene			-----NA-----			
----- Amount Calc. %Drift -----							
16	2,4-Dinitrotoluene	500.000	560.161	-12.0	110	0.00	11.81-12.61
17	2,6-Dinitrotoluene	500.000	555.579	-11.1	105	-0.03	12.26-13.06
18	o-Nitrotoluene	500.000	572.501	-14.5	114	-0.01	14.29-15.29
19	p-Nitrotoluene	500.000	558.484	-11.7	108	0.00	14.64-15.64
20	m-Nitrotoluene	500.000	562.934	-12.6	112	0.00	15.19-16.19
21	PETN	2500.000	2642.040	-5.7	109	0.01	16.70-17.90

(#) = Out of Range
 BB049970.D 8330B_0224.M

SPCC's out = 0 CCC's out = 0
 Thu Feb 25 09:43:26 2016

6.8.2
6

Continuing Calibration Summary

Job Number: FA31884
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1423-CC1412
 Lab FileID: BB050331.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050331.D\dad1B.ch Vial: 2
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050331.D\dad1A.ch
 Acq On : 15-Mar-2016, 06:52:36 Operator: kismet1
 Sample : ccl412-1000 Inst : G1315B
 Misc : op59619,GBB1423,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	TNX	1000.000	967.974	3.2	94	0.00	1.04- 1.64
2	HMX	1000.000	995.932	0.4	104	0.00	1.09- 1.69
3	DNX	1000.000	953.535	4.6	101	0.00	1.41- 2.01
4	MNX	1000.000	983.266	1.7	100	0.00	1.99- 2.59
5	RDX	1000.000	950.626	4.9	101	0.00	2.48- 3.28
6	1,3,5-Trinitrobenzene	1000.000	982.325	1.8	102	0.01	4.17- 4.97
7	1,3-Dinitrobenzene	1000.000	986.872	1.3	101	0.00	5.44- 6.24
8	3,5-Dinitroaniline	1000.000	977.447	2.3	101	0.02	5.86- 6.66
9	Nitrobenzene	1000.000	1014.450	-1.4	103	-0.01	7.08- 7.88
10	Nitroglycerin			-----NA-----			
11	Tetryl	1000.000	1081.567	-8.2	106	0.00	9.09- 9.89
12	2,4,6-Trinitrotoluene	1000.000	1038.984	-3.9	101	0.00	9.51-10.31
		----- Amount	Calc.	%Drift	-----		
13	2-Amino-4,6-Dinitrotol	1000.000	1022.996	-2.3	102	0.02	9.93-10.73
14	4-Amino-2,6-Dinitrotol	1000.000	956.611	4.3	98	0.01	10.46-11.26
		----- Amount	Calc.	%Drift	-----		
15 S	3,4-Dinitrotoluene	1000.000	971.784	2.8	102	-0.01	10.77-11.57
16	2,4-Dinitrotoluene	1000.000	989.135	1.1	102	0.00	11.43-12.23
17	2,6-Dinitrotoluene	1000.000	1003.650	-0.4	102	0.00	11.87-12.67
18	o-Nitrotoluene	1000.000	1005.330	-0.5	104	-0.03	14.14-15.02
19	p-Nitrotoluene	1000.000	1010.448	-1.0	104	-0.02	14.40-15.40
20	m-Nitrotoluene	1000.000	1008.229	-0.8	103	-0.02	14.94-15.94
21	PETN			-----NA-----			

***** Signal #2 *****

1	TNX	1000.000	1003.174	-0.3	99	0.00	1.04- 1.64
2	HMX	1000.000	1046.365	-4.6	108	0.00	1.12- 1.72
		----- Amount	Calc.	%Drift	-----		
3	DNX	1000.000	994.663	0.5	101	0.00	1.41- 2.01
		----- Amount	Calc.	%Drift	-----		
4	MNX	1000.000	980.753	1.9	100	0.00	1.99- 2.59
5	RDX	1000.000	985.349	1.5	101	0.00	2.48- 3.28
6	1,3,5-Trinitrobenzene	1000.000	990.562	0.9	102	0.01	4.17- 4.97
7	1,3-Dinitrobenzene	1000.000	1029.281	-2.9	105	0.00	5.44- 6.24
8	3,5-Dinitroaniline	1000.000	1000.213	-0.0	102	0.02	5.86- 6.66
9	Nitrobenzene	1000.000	990.050	1.0	103	-0.02	7.08- 7.88

Continuing Calibration Summary

Job Number: FA31884
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1423-CC1412
 Lab FileID: BB050331.D

10	Nitroglycerin	5000.000	4906.280	1.9	100	0.00	8.71- 9.71
11	Tetryl	1000.000	1053.039	-5.3	107	0.00	9.08- 9.88
12	2,4,6-Trinitrotoluene	1000.000	1061.657	-6.2	104	0.00	9.51-10.31
13	2-Amino-4,6-Dinitrotol	1000.000	1110.214	-11.0	107	0.02	9.93-10.73
		----- Amount	Calc.	%Drift	-----		
14	4-Amino-2,6-Dinitrotol	1000.000	1016.358	-1.6	102	0.01	10.46-11.26
15 S	3,4-Dinitrotoluene	1000.000	1012.684	-1.3	102	0.00	10.76-11.56
		----- Amount	Calc.	%Drift	-----		
16	2,4-Dinitrotoluene	1000.000	1035.350	-3.5	100	0.00	11.44-12.23
17	2,6-Dinitrotoluene	1000.000	1038.210	-3.8	99	0.00	11.87-12.67
18	o-Nitrotoluene	1000.000	1060.889	-6.1	104	-0.03	14.02-15.02
19	p-Nitrotoluene	1000.000	1089.885	-9.0	104	-0.02	14.40-15.40
20	m-Nitrotoluene	1000.000	1068.335	-6.8	106	-0.03	14.94-15.94
21	PETN						-----NA-----

(#) = Out of Range
 BB049971.D 8330B_0224.M

SPCC's out = 0 CCC's out = 0
 Wed Mar 16 09:16:50 2016

6.8.3

6

Continuing Calibration Summary

Job Number: FA31884
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1423-CC1412
 Lab FileID: BB050333.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050333.D\dad1B.ch Vial: 42
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050333.D\dad1A.ch
 Acq On : 15-Mar-2016, 07:57:08 Operator: kismet1
 Sample : ccl412-1000 Inst : G1315B
 Misc : op59619,GBB1423,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	TNX	1000.000	982.602	1.7	95	0.00	1.04- 1.64
2	HMX	1000.000	1051.073	-5.1	110	0.00	1.09- 1.69
3	DNX	1000.000	947.906	5.2	100	0.00	1.41- 2.01
4	MNX	1000.000	982.889	1.7	100	0.00	1.99- 2.59
5	RDX	1000.000	956.839	4.3	102	0.01	2.48- 3.28
6	1,3,5-Trinitrobenzene	1000.000	981.177	1.9	101	0.02	4.17- 4.97
7	1,3-Dinitrobenzene	1000.000	983.453	1.7	101	0.01	5.44- 6.24
8	3,5-Dinitroaniline	1000.000	897.093	10.3	93	0.02	5.86- 6.66
9	Nitrobenzene	1000.000	1009.223	-0.9	102	0.00	7.08- 7.88
10	Nitroglycerin			-----NA-----			
11	Tetryl	1000.000	1051.164	-5.1	103	0.02	9.09- 9.89
12	2,4,6-Trinitrotoluene	1000.000	1030.728	-3.1	100	0.02	9.51-10.31
		----- Amount	Calc.	%Drift	-----		
13	2-Amino-4,6-Dinitrotol	1000.000	1019.006	-1.9	101	0.03	9.93-10.73
14	4-Amino-2,6-Dinitrotol	1000.000	955.704	4.4	98	0.02	10.46-11.26
		----- Amount	Calc.	%Drift	-----		
15 S	3,4-Dinitrotoluene	1000.000	957.009	4.3	101	0.00	10.77-11.57
16	2,4-Dinitrotoluene	1000.000	981.056	1.9	101	0.01	11.43-12.23
17	2,6-Dinitrotoluene	1000.000	986.791	1.3	101	0.00	11.87-12.67
18	o-Nitrotoluene	1000.000	996.714	0.3	103	-0.02	14.14-15.02
19	p-Nitrotoluene	1000.000	999.793	0.0	103	-0.01	14.40-15.40
20	m-Nitrotoluene	1000.000	1004.331	-0.4	102	-0.01	14.94-15.94
21	PETN			-----NA-----			

***** Signal #2 *****

1	TNX	1000.000	1050.058	-5.0	103	0.00	1.04- 1.64
2	HMX	1000.000	1026.794	-2.7	106	0.00	1.12- 1.72
		----- Amount	Calc.	%Drift	-----		
3	DNX	1000.000	986.384	1.4	100	0.00	1.41- 2.01
		----- Amount	Calc.	%Drift	-----		
4	MNX	1000.000	976.358	2.4	100	0.00	1.99- 2.59
5	RDX	1000.000	984.016	1.6	101	0.01	2.48- 3.28
6	1,3,5-Trinitrobenzene	1000.000	983.674	1.6	101	0.02	4.17- 4.97
7	1,3-Dinitrobenzene	1000.000	1011.587	-1.2	103	0.01	5.44- 6.24
8	3,5-Dinitroaniline	1000.000	914.659	8.5	93	0.02	5.86- 6.66
9	Nitrobenzene	1000.000	986.987	1.3	102	0.00	7.08- 7.88

Continuing Calibration Summary

Job Number: FA31884
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1423-CC1412
 Lab FileID: BB050333.D

10	Nitroglycerin	5000.000	4848.519	3.0	99	0.01	8.71- 9.71
11	Tetryl	1000.000	1050.278	-5.0	107	0.02	9.08- 9.88
12	2,4,6-Trinitrotoluene	1000.000	1055.078	-5.5	103	0.02	9.51-10.31
13	2-Amino-4,6-Dinitrotol	1000.000	1109.530	-11.0	107	0.03	9.93-10.73
		----- Amount	Calc.	%Drift	-----		
14	4-Amino-2,6-Dinitrotol	1000.000	1013.999	-1.4	102	0.02	10.46-11.26
15 S	3,4-Dinitrotoluene	1000.000	1002.702	-0.3	101	0.01	10.76-11.56
		----- Amount	Calc.	%Drift	-----		
16	2,4-Dinitrotoluene	1000.000	1029.874	-3.0	99	0.01	11.44-12.23
17	2,6-Dinitrotoluene	1000.000	1035.822	-3.6	98	0.00	11.87-12.67
18	o-Nitrotoluene	1000.000	1061.194	-6.1	104	-0.02	14.02-15.02
19	p-Nitrotoluene	1000.000	1087.052	-8.7	103	0.00	14.40-15.40
20	m-Nitrotoluene	1000.000	1060.616	-6.1	105	-0.01	14.94-15.94
21	PETN	5000.000	4968.837	0.6	99	0.00	16.46-17.66

(#) = Out of Range
 BB049971.D 8330B_0224.M

SPCC's out = 0 CCC's out = 0
 Wed Mar 16 09:16:51 2016

6.8.4

6

Continuing Calibration Summary

Job Number: FA31884
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1423-CC1412
 Lab FileID: BB050344.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050344.D\dad1B.ch Vial: 42
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050344.D\dad1A.ch
 Acq On : 15-Mar-2016, 12:46:33 Operator: kismet1
 Sample : ccl412-1000 Inst : G1315B
 Misc : op59619,GBB1423,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	TNX	1000.000	909.819	9.0	88	0.00	1.04- 1.64
2	HMX	1000.000	934.906	6.5	97	0.01	1.09- 1.69
3	DNX	1000.000	948.996	5.1	100	0.00	1.41- 2.01
4	MNX	1000.000	977.613	2.2	100	0.00	1.99- 2.59
5	RDX	1000.000	946.682	5.3	101	0.01	2.48- 3.28
6	1,3,5-Trinitrobenzene	1000.000	978.138	2.2	101	0.02	4.17- 4.97
7	1,3-Dinitrobenzene	1000.000	980.178	2.0	100	0.02	5.44- 6.24
8	3,5-Dinitroaniline	1000.000	894.186	10.6	93	0.02	5.86- 6.66
9	Nitrobenzene	1000.000	1002.356	-0.2	102	0.00	7.08- 7.88
10	Nitroglycerin			-----NA-----			
11	Tetryl	1000.000	1074.443	-7.4	106	0.03	9.09- 9.89
12	2,4,6-Trinitrotoluene	1000.000	1023.608	-2.4	99	0.04	9.51-10.31
		----- Amount	Calc.	%Drift	-----		
13	2-Amino-4,6-Dinitrotol	1000.000	1012.974	-1.3	101	0.04	9.93-10.73
14	4-Amino-2,6-Dinitrotol	1000.000	952.924	4.7	98	0.04	10.46-11.26
		----- Amount	Calc.	%Drift	-----		
15 S	3,4-Dinitrotoluene	1000.000	936.826	6.3	99	0.03	10.77-11.57
16	2,4-Dinitrotoluene	1000.000	972.792	2.7	100	0.03	11.43-12.23
17	2,6-Dinitrotoluene	1000.000	968.623	3.1	99	0.03	11.87-12.67
18	o-Nitrotoluene	1000.000	993.864	0.6	102	0.00	14.14-15.02
19	p-Nitrotoluene	1000.000	990.891	0.9	102	0.00	14.40-15.40
20	m-Nitrotoluene	1000.000	990.830	0.9	101	0.00	14.94-15.94
21	PETN			-----NA-----			
*****	Signal #2	*****					
1	TNX	1000.000	956.787	4.3	94	0.00	1.04- 1.64
2	HMX	1000.000	1020.040	-2.0	105	0.00	1.12- 1.72
		----- Amount	Calc.	%Drift	-----		
3	DNX	1000.000	1007.434	-0.7	102	0.00	1.41- 2.01
		----- Amount	Calc.	%Drift	-----		
4	MNX	1000.000	972.109	2.8	99	0.00	1.99- 2.59
5	RDX	1000.000	975.433	2.5	100	0.01	2.48- 3.28
6	1,3,5-Trinitrobenzene	1000.000	982.819	1.7	101	0.02	4.17- 4.97
7	1,3-Dinitrobenzene	1000.000	1023.600	-2.4	104	0.02	5.44- 6.24
8	3,5-Dinitroaniline	1000.000	910.298	9.0	93	0.02	5.86- 6.66
9	Nitrobenzene	1000.000	998.753	0.1	104	0.00	7.08- 7.88

Continuing Calibration Summary

Job Number: FA31884
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1423-CC1412
 Lab FileID: BB050344.D

10	Nitroglycerin	5000.000	4828.560	3.4	98	0.03	8.71- 9.71
11	Tetryl	1000.000	1053.023	-5.3	107	0.03	9.08- 9.88
12	2,4,6-Trinitrotoluene	1000.000	1047.555	-4.8	103	0.04	9.51-10.31
13	2-Amino-4,6-Dinitrotol	1000.000	1104.581	-10.5	106	0.04	9.93-10.73
		----- Amount	Calc.	%Drift	-----		
14	4-Amino-2,6-Dinitrotol	1000.000	1009.714	-1.0	101	0.04	10.46-11.26
15 S	3,4-Dinitrotoluene	1000.000	991.336	0.9	100	0.04	10.76-11.56
		----- Amount	Calc.	%Drift	-----		
16	2,4-Dinitrotoluene	1000.000	1026.339	-2.6	99	0.03	11.44-12.23
17	2,6-Dinitrotoluene	1000.000	1023.802	-2.4	97	0.03	11.87-12.67
18	o-Nitrotoluene	1000.000	1038.971	-3.9	102	0.00	14.02-15.02
19	p-Nitrotoluene	1000.000	1106.773	-10.7	105	0.00	14.40-15.40
20	m-Nitrotoluene	1000.000	1067.783	-6.8	106	0.00	14.94-15.94
21	PETN	5000.000	4921.850	1.6	98	0.02	16.46-17.66

(#) = Out of Range
 BB049971.D 8330B_0224.M

SPCC's out = 0 CCC's out = 0
 Wed Mar 16 09:16:52 2016

6.8.5

6

Continuing Calibration Summary

Job Number: FA31884
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1426-CC1412
 Lab FileID: BB050500.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050500.D\dad1B.ch Vial: 2
 Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050500.D\dad1A.ch
 Acq On : 18-Mar-2016, 08:54:20 Operator: kismet1
 Sample : ccl412-1000 Inst : G1315B
 Misc : op59692,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Fri Mar 18 14:09:43 2016
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	TNX	1000.000	991.597	0.8	96	0.00 1.02- 1.62
2	HMX	1000.000	1086.786	-8.7	113	0.00 1.08- 1.68
3	DNX	1000.000	978.638	2.1	103	0.00 1.39- 1.99
4	MNX	1000.000	997.992	0.2	102	0.00 1.95- 2.55
5	RDX	1000.000	967.527	3.2	103	0.00 2.43- 3.23
6	1,3,5-Trinitrobenzene	1000.000	1000.249	-0.0	103	0.00 4.09- 4.89
7	1,3-Dinitrobenzene	1000.000	1003.087	-0.3	103	0.00 5.36- 6.16
8	3,5-Dinitroaniline	1000.000	917.634	8.2	95	0.00 5.76- 6.56
9	Nitrobenzene	1000.000	1038.954	-3.9	105	0.00 7.07- 7.87
10	Nitroglycerin			-----NA-----		
11	Tetryl	1000.000	1091.814	-9.2	107	0.00 8.95- 9.75
12	2,4,6-Trinitrotoluene	1000.000	1047.267	-4.7	102	0.00 9.36-10.16
----- Amount Calc. %Drift -----						
13	2-Amino-4,6-Dinitrotol	1000.000	1040.084	-4.0	104	0.00 9.77-10.57
14	4-Amino-2,6-Dinitrotol	1000.000	984.349	1.6	101	0.00 10.31-11.11
----- Amount Calc. %Drift -----						
15 S	3,4-Dinitrotoluene	1000.000	936.360	6.4	99	0.00 10.65-11.45
16	2,4-Dinitrotoluene	1000.000	998.499	0.2	103	0.00 11.32-12.12
17	2,6-Dinitrotoluene	1000.000	989.590	1.0	101	0.00 11.78-12.58
18	o-Nitrotoluene	1000.000	1006.721	-0.7	104	0.00 14.16-15.04
19	p-Nitrotoluene	1000.000	1019.853	-2.0	105	0.00 14.39-15.39
20	m-Nitrotoluene	1000.000	1018.284	-1.8	104	0.00 14.95-15.95
21	PETN			-----NA-----		

***** Signal #2 *****

1	TNX	1000.000	934.872	6.5	92	0.00 1.02- 1.62
2	HMX	1000.000	1065.316	-6.5	110	0.00 1.10- 1.70
----- Amount Calc. %Drift -----						
3	DNX	1000.000	1020.196	-2.0	103	0.00 1.39- 1.99
----- Amount Calc. %Drift -----						
4	MNX	1000.000	989.926	1.0	101	0.00 1.95- 2.55
5	RDX	1000.000	994.394	0.6	102	0.00 2.43- 3.23
6	1,3,5-Trinitrobenzene	1000.000	1000.892	-0.1	103	0.00 4.09- 4.89
7	1,3-Dinitrobenzene	1000.000	1030.155	-3.0	105	0.00 5.37- 6.17
8	3,5-Dinitroaniline	1000.000	934.077	6.6	95	0.00 5.76- 6.56
9	Nitrobenzene	1000.000	1007.796	-0.8	105	0.00 7.07- 7.87

6.8.6

9

Continuing Calibration Summary

Job Number: FA31884
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1426-CC1412
 Lab FileID: BB050500.D

10	Nitroglycerin	5000.000	4883.571	2.3	100	0.00	8.59- 9.59
11	Tetryl	1000.000	1084.943	-8.5	110	0.00	8.94- 9.74
12	2,4,6-Trinitrotoluene	1000.000	1083.721	-8.4	106	0.00	9.36-10.16
13	2-Amino-4,6-Dinitrotol	1000.000	1157.987	-15.8#	112	0.00	9.78-10.58
		----- Amount	Calc.	%Drift	-----		
14	4-Amino-2,6-Dinitrotol	1000.000	1059.340	-5.9	107	0.00	10.31-11.11
15 S	3,4-Dinitrotoluene	1000.000	999.748	0.0	101	0.00	10.64-11.44
		----- Amount	Calc.	%Drift	-----		
16	2,4-Dinitrotoluene	1000.000	1055.103	-5.5	102	0.00	11.33-12.13
17	2,6-Dinitrotoluene	1000.000	1046.816	-4.7	100	0.00	11.78-12.58
18	o-Nitrotoluene	1000.000	1064.427	-6.4	105	0.00	14.04-15.04
19	p-Nitrotoluene	1000.000	1128.374	-12.8	107	0.00	14.39-15.39
20	m-Nitrotoluene	1000.000	1083.994	-8.4	108	0.00	14.95-15.95
21	PETN	5000.000	2228.219	55.4#	44	0.00	16.36-17.56

(#) = Out of Range
 BB049971.D 8330B_0224.M

SPCC's out = 0 CCC's out = 0
 Fri Mar 18 14:30:25 2016

6.8.6

9

Continuing Calibration Summary

Job Number: FA31884
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1426-CC1412
 Lab FileID: BB050510.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050510.D\dad1B.ch Vial: 2
 Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050510.D\dad1A.ch
 Acq On : 18-Mar-2016, 13:26:30 Operator: kismet1
 Sample : ccl412-1000 Inst : G1315B
 Misc : op59692,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Fri Mar 18 14:09:43 2016
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	TNX	1000.000	958.644	4.1	93	0.00	1.02- 1.62
2	HMX	1000.000	1060.447	-6.0	111	0.00	1.08- 1.68
3	DNX	1000.000	981.558	1.8	103	0.00	1.39- 1.99
4	MNX	1000.000	998.765	0.1	102	0.00	1.95- 2.55
5	RDX	1000.000	972.523	2.7	103	0.00	2.43- 3.23
6	1,3,5-Trinitrobenzene	1000.000	1003.542	-0.4	104	0.01	4.09- 4.89
7	1,3-Dinitrobenzene	1000.000	1005.902	-0.6	103	0.01	5.36- 6.16
8	3,5-Dinitroaniline	1000.000	917.940	8.2	95	0.01	5.76- 6.56
9	Nitrobenzene	1000.000	1023.394	-2.3	104	0.02	7.07- 7.87
10	Nitroglycerin			-----NA-----			
11	Tetryl	1000.000	1096.564	-9.7	108	0.03	8.95- 9.75
12	2,4,6-Trinitrotoluene	1000.000	1045.377	-4.5	101	0.03	9.36-10.16
		----- Amount	Calc.	%Drift	-----		
13	2-Amino-4,6-Dinitrotol	1000.000	1042.835	-4.3	104	0.02	9.77-10.57
14	4-Amino-2,6-Dinitrotol	1000.000	991.868	0.8	102	0.03	10.31-11.11
		----- Amount	Calc.	%Drift	-----		
15 S	3,4-Dinitrotoluene	1000.000	928.268	7.2	98	0.04	10.65-11.45
16	2,4-Dinitrotoluene	1000.000	1001.371	-0.1	103	0.04	11.32-12.12
17	2,6-Dinitrotoluene	1000.000	986.542	1.3	101	0.04	11.78-12.58
18	o-Nitrotoluene	1000.000	1004.329	-0.4	104	0.04	14.16-15.04
19	p-Nitrotoluene	1000.000	1011.528	-1.2	104	0.03	14.39-15.39
20	m-Nitrotoluene	1000.000	1013.350	-1.3	103	0.03	14.95-15.95
21	PETN			-----NA-----			

***** Signal #2 *****

1	TNX	1000.000	941.304	5.9	92	0.00	1.02- 1.62
2	HMX	1000.000	1068.799	-6.9	110	0.00	1.10- 1.70
		----- Amount	Calc.	%Drift	-----		
3	DNX	1000.000	1021.944	-2.2	104	0.00	1.39- 1.99
		----- Amount	Calc.	%Drift	-----		
4	MNX	1000.000	992.805	0.7	101	0.00	1.95- 2.55
5	RDX	1000.000	1000.529	-0.1	102	0.00	2.43- 3.23
6	1,3,5-Trinitrobenzene	1000.000	1008.316	-0.8	103	0.01	4.09- 4.89
7	1,3-Dinitrobenzene	1000.000	1044.961	-4.5	106	0.01	5.37- 6.17
8	3,5-Dinitroaniline	1000.000	945.997	5.4	97	0.00	5.76- 6.56
9	Nitrobenzene	1000.000	1001.272	-0.1	104	0.02	7.07- 7.87

Continuing Calibration Summary

Job Number: FA31884
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1426-CC1412
 Lab FileID: BB050510.D

10	Nitroglycerin	5000.000	4925.873	1.5	100	0.02	8.59- 9.59
11	Tetryl	1000.000	1089.688	-9.0	111	0.02	8.94- 9.74
12	2,4,6-Trinitrotoluene	1000.000	1086.893	-8.7	106	0.03	9.36-10.16
13	2-Amino-4,6-Dinitrotol	1000.000	1162.522	-16.3#	112	0.02	9.78-10.58
		----- Amount	Calc.	%Drift	-----		
14	4-Amino-2,6-Dinitrotol	1000.000	1063.406	-6.3	107	0.03	10.31-11.11
15 S	3,4-Dinitrotoluene	1000.000	993.957	0.6	100	0.04	10.64-11.44
		----- Amount	Calc.	%Drift	-----		
16	2,4-Dinitrotoluene	1000.000	1061.117	-6.1	102	0.03	11.33-12.13
17	2,6-Dinitrotoluene	1000.000	1043.798	-4.4	99	0.04	11.78-12.58
18	o-Nitrotoluene	1000.000	1058.685	-5.9	104	0.04	14.04-15.04
19	p-Nitrotoluene	1000.000	1106.277	-10.6	105	0.03	14.39-15.39
20	m-Nitrotoluene	1000.000	1071.287	-7.1	106	0.03	14.95-15.95
21	PETN	5000.000	1896.174	62.1#	38	0.03	16.36-17.56

(#) = Out of Range
 BB049971.D 8330B_0224.M

SPCC's out = 0 CCC's out = 0
 Fri Mar 18 14:48:36 2016

6.8.7

6

Continuing Calibration Summary

Job Number: FA31884
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1426-CC1412
 Lab FileID: BB050522.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050522.D\dad1B.ch Vial: 2
 Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050522.D\dad1A.ch
 Acq On : 18-Mar-2016, 18:32:16 Operator: kismet1
 Sample : ccl412-1000 Inst : G1315B
 Misc : op59692,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Fri Mar 18 14:09:43 2016
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	TNX	1000.000	985.735	1.4	95	0.00	1.02- 1.62
2	HMX	1000.000	1149.051	-14.9	120	0.00	1.08- 1.68
3	DNX	1000.000	1123.365	-12.3	118	0.01	1.39- 1.99
4	MNX	1000.000	1009.659	-1.0	103	0.01	1.95- 2.55
5	RDX	1000.000	991.773	0.8	105	0.02	2.43- 3.23
6	1,3,5-Trinitrobenzene	1000.000	1007.547	-0.8	104	0.02	4.09- 4.89
7	1,3-Dinitrobenzene	1000.000	1014.694	-1.5	104	0.03	5.36- 6.16
8	3,5-Dinitroaniline	1000.000	926.392	7.4	96	0.03	5.76- 6.56
9	Nitrobenzene	1000.000	1026.716	-2.7	104	0.06	7.07- 7.87
10	Nitroglycerin			-----NA-----			
11	Tetryl	1000.000	1094.174	-9.4	108	0.06	8.95- 9.75
12	2,4,6-Trinitrotoluene	1000.000	1053.721	-5.4	102	0.07	9.36-10.16
		----- Amount	Calc.	%Drift	-----		
13	2-Amino-4,6-Dinitrotol	1000.000	1044.100	-4.4	104	0.07	9.77-10.57
14	4-Amino-2,6-Dinitrotol	1000.000	991.236	0.9	102	0.08	10.31-11.11
		----- Amount	Calc.	%Drift	-----		
15 S	3,4-Dinitrotoluene	1000.000	933.614	6.6	98	0.09	10.65-11.45
16	2,4-Dinitrotoluene	1000.000	1006.655	-0.7	103	0.09	11.32-12.12
17	2,6-Dinitrotoluene	1000.000	991.607	0.8	101	0.09	11.78-12.58
18	o-Nitrotoluene	1000.000	997.875	0.2	103	0.08	14.16-15.04
19	p-Nitrotoluene	1000.000	1008.797	-0.9	104	0.07	14.39-15.39
20	m-Nitrotoluene	1000.000	1008.003	-0.8	103	0.07	14.95-15.95
21	PETN			-----NA-----			

***** Signal #2 *****

1	TNX	1000.000	944.200	5.6	93	0.01	1.02- 1.62
2	HMX	1000.000	1098.199	-9.8	113	0.00	1.10- 1.70
		----- Amount	Calc.	%Drift	-----		
3	DNX	1000.000	1122.988	-12.3	114	0.01	1.39- 1.99
		----- Amount	Calc.	%Drift	-----		
4	MNX	1000.000	993.225	0.7	101	0.01	1.95- 2.55
5	RDX	1000.000	1006.563	-0.7	103	0.02	2.43- 3.23
6	1,3,5-Trinitrobenzene	1000.000	1011.839	-1.2	104	0.02	4.09- 4.89
7	1,3-Dinitrobenzene	1000.000	1049.954	-5.0	107	0.03	5.37- 6.17
8	3,5-Dinitroaniline	1000.000	949.547	5.0	97	0.03	5.76- 6.56
9	Nitrobenzene	1000.000	1013.700	-1.4	105	0.06	7.07- 7.87

Continuing Calibration Summary

Job Number: FA31884
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1426-CC1412
 Lab FileID: BB050522.D

10	Nitroglycerin	5000.000	4951.443	1.0	101	0.06	8.59- 9.59
11	Tetryl	1000.000	1084.578	-8.5	110	0.06	8.94- 9.74
12	2,4,6-Trinitrotoluene	1000.000	1090.089	-9.0	107	0.07	9.36-10.16
13	2-Amino-4,6-Dinitrotol	1000.000	1157.830	-15.8#	112	0.06	9.78-10.58
		----- Amount	Calc.	%Drift	-----		
14	4-Amino-2,6-Dinitrotol	1000.000	1057.713	-5.8	107	0.08	10.31-11.11
15 S	3,4-Dinitrotoluene	1000.000	997.310	0.3	100	0.10	10.64-11.44
		----- Amount	Calc.	%Drift	-----		
16	2,4-Dinitrotoluene	1000.000	1065.218	-6.5	102	0.08	11.33-12.13
17	2,6-Dinitrotoluene	1000.000	1046.260	-4.6	99	0.08	11.78-12.58
18	o-Nitrotoluene	1000.000	1056.087	-5.6	104	0.08	14.04-15.04
19	p-Nitrotoluene	1000.000	1105.713	-10.6	105	0.07	14.39-15.39
20	m-Nitrotoluene	1000.000	1068.277	-6.8	106	0.07	14.95-15.95
21	PETN	5000.000	1959.176	60.8#	39	0.05	16.36-17.56

(#) = Out of Range
 BB049971.D 8330B_0224.M

SPCC's out = 0 CCC's out = 0
 Mon Mar 21 08:39:05 2016

6.8.8

9

Continuing Calibration Summary

Job Number: FA31884
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1426-CC1412
 Lab FileID: BB050534.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050534.D\dad1B.ch Vial: 5
 Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050534.D\dad1A.ch
 Acq On : 18-Mar-2016, 23:38:14 Operator: kismet1
 Sample : ccl412-1000 Inst : G1315B
 Misc : op59692,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Fri Mar 18 14:09:43 2016
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 TNX	1000.000	981.206	1.9	95	0.00	1.02- 1.62
2 HMX	1000.000	1105.502	-10.6	115	0.00	1.08- 1.68
3 DNX	1000.000	984.235	1.6	104	0.02	1.39- 1.99
4 MNX	1000.000	1003.032	-0.3	102	0.02	1.95- 2.55
5 RDX	1000.000	983.003	1.7	104	0.02	2.43- 3.23
6 1,3,5-Trinitrobenzene	1000.000	1005.715	-0.6	104	0.04	4.09- 4.89
7 1,3-Dinitrobenzene	1000.000	1010.794	-1.1	104	0.05	5.36- 6.16
8 3,5-Dinitroaniline	1000.000	925.387	7.5	96	0.05	5.76- 6.56
9 Nitrobenzene	1000.000	1037.172	-3.7	105	0.09	7.07- 7.87
10 Nitroglycerin			-----NA-----			
11 Tetryl	1000.000	1092.584	-9.3	108	0.10	8.95- 9.75
12 2,4,6-Trinitrotoluene	1000.000	1051.467	-5.1	102	0.10	9.36-10.16
----- Amount Calc. %Drift -----						
13 2-Amino-4,6-Dinitrotol	1000.000	1045.204	-4.5	104	0.10	9.77-10.57
14 4-Amino-2,6-Dinitrotol	1000.000	990.175	1.0	102	0.12	10.31-11.11
----- Amount Calc. %Drift -----						
15 S 3,4-Dinitrotoluene	1000.000	936.620	6.3	99	0.13	10.65-11.45
16 2,4-Dinitrotoluene	1000.000	1005.659	-0.6	103	0.13	11.32-12.12
17 2,6-Dinitrotoluene	1000.000	990.538	0.9	101	0.12	11.78-12.58
18 o-Nitrotoluene	1000.000	1029.577	-3.0	106	0.12	14.16-15.04
19 p-Nitrotoluene	1000.000	1025.107	-2.5	105	0.11	14.39-15.39
20 m-Nitrotoluene	1000.000	1025.032	-2.5	104	0.10	14.95-15.95
21 PETN			-----NA-----			

***** Signal #2 *****

1 TNX	1000.000	941.119	5.9	92	0.01	1.02- 1.62
2 HMX	1000.000	1071.940	-7.2	110	0.01	1.10- 1.70
----- Amount Calc. %Drift -----						
3 DNX	1000.000	1024.108	-2.4	104	0.02	1.39- 1.99
----- Amount Calc. %Drift -----						
4 MNX	1000.000	999.066	0.1	102	0.02	1.95- 2.55
5 RDX	1000.000	1007.720	-0.8	103	0.02	2.43- 3.23
6 1,3,5-Trinitrobenzene	1000.000	1011.622	-1.2	104	0.04	4.09- 4.89
7 1,3-Dinitrobenzene	1000.000	1049.840	-5.0	107	0.05	5.37- 6.17
8 3,5-Dinitroaniline	1000.000	949.498	5.1	97	0.05	5.76- 6.56
9 Nitrobenzene	1000.000	1026.005	-2.6	106	0.08	7.07- 7.87

6.8.9

9

Continuing Calibration Summary

Job Number: FA31884
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1426-CC1412
 Lab FileID: BB050534.D

10	Nitroglycerin	5000.000	4948.503	1.0	101	0.08	8.59- 9.59
11	Tetryl	1000.000	1081.091	-8.1	110	0.09	8.94- 9.74
12	2,4,6-Trinitrotoluene	1000.000	1085.764	-8.6	106	0.10	9.36-10.16
13	2-Amino-4,6-Dinitrotol	1000.000	1155.743	-15.6#	111	0.10	9.78-10.58
		----- Amount	Calc.	%Drift	-----		
14	4-Amino-2,6-Dinitrotol	1000.000	1055.889	-5.6	106	0.12	10.31-11.11
15 S	3,4-Dinitrotoluene	1000.000	998.157	0.2	100	0.14	10.64-11.44
		----- Amount	Calc.	%Drift	-----		
16	2,4-Dinitrotoluene	1000.000	1066.424	-6.6	103	0.12	11.33-12.13
17	2,6-Dinitrotoluene	1000.000	1048.872	-4.9	100	0.12	11.78-12.58
18	o-Nitrotoluene	1000.000	1083.903	-8.4	106	0.11	14.04-15.04
19	p-Nitrotoluene	1000.000	1124.834	-12.5	107	0.11	14.39-15.39
20	m-Nitrotoluene	1000.000	1081.986	-8.2	108	0.10	14.95-15.95
21	PETN	5000.000	1840.456	63.2#	37	0.07	16.36-17.56

(#) = Out of Range
 BB049971.D 8330B_0224.M

SPCC's out = 0 CCC's out = 0
 Mon Mar 21 08:39:06 2016

6.8.9

9

GC Semi-volatiles

Raw Data

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050507.D\dad1B.ch Vial: 77
Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050507.D\dad1A.ch
Acq On : 18-Mar-2016, 12:03:01 Operator: kismet1
Sample : FA31884-1 Inst : G1315B
Misc : op59727,GBB1426,10.1,,,50,1,soil Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 18 14:10:10 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Fri Mar 18 14:09:43 2016
Response via : Initial Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound RT#1 RT#2 Resp#1 Resp#2 ppb ppb

System Monitoring Compounds

15) S 3,4-Dinitrotolue 11.07 11.07 963584 1650457 422.111 456.643m
Spiked Amount 500.000 Range 69 - 134 Recovery = 84.42% 91.33%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	0.00	0.00	0	0	N.D. d	N.D. d
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D. d	N.D. d
5)	RDX	0.00	0.00	0	0	N.D. d	N.D. d
6)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D. d	N.D. d
7)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D. d	N.D. d
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D. d	N.D. d
9)	Nitrobenzene	0.00	0.00	0	0	N.D. d	N.D. d
10)	Nitroglycerin	0.00	0.00	0	0	N.D.	N.D.
11)	Tetryl	0.00	0.00	0	0	N.D.	N.D.
12)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
13)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
14)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
16)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
17)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
18)	o-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
19)	p-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
20)	m-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
21)	PETN	0.00	0.00	0	0	N.D. d	N.D. d

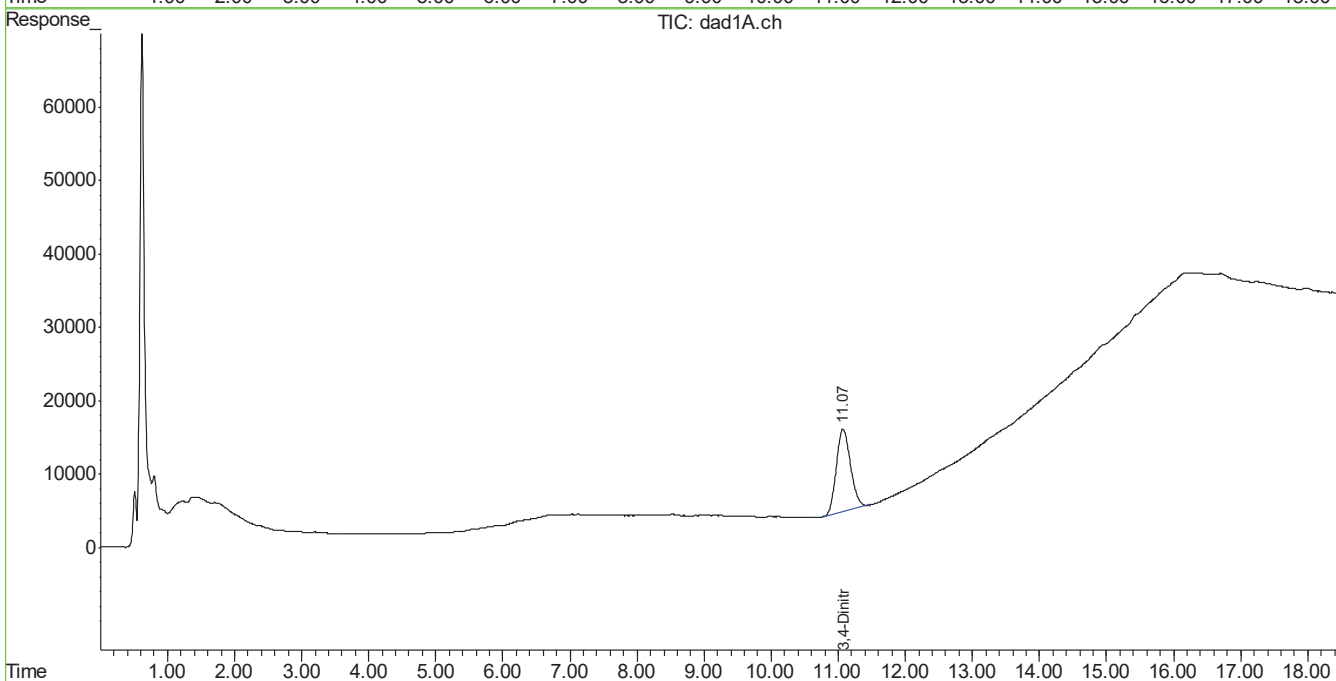
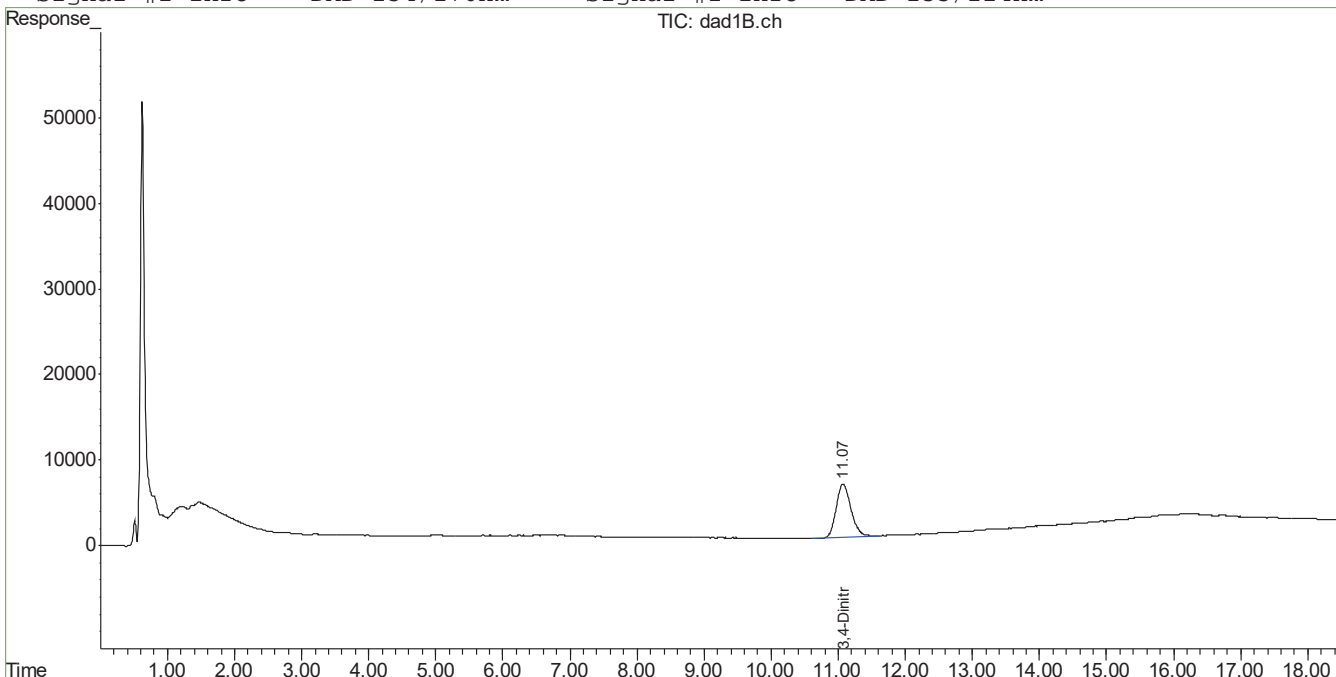
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
BB050507.D 8330B_0224.M Mon Mar 21 08:43:25 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050507.D\dad1B.ch Vial: 77
Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050507.D\dad1A.ch
Acq On : 18-Mar-2016, 12:03:01 Operator: kismet1
Sample : FA31884-1 Inst : G1315B
Misc : op59727,GBB1426,10.1,,,50,1,soil Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 21 7:31 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Fri Mar 18 14:09:43 2016
Response via : Multiple Level Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.1.1
7

Manual Integration Approval Summary

Sample Number: FA31884-1 Method: SW846 8330B
Lab FileID: BB050507.D Analyst approved: 03/21/16 09:41 Kismet Lugo
Injection Time: 03/18/16 12:03 Supervisor approved: 03/21/16 14:23 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
3,4-Dinitrotoluene	610-39-9	2	11.07	Poor instrument integration

7.1.1.1
7

Manual Integrations
APPROVED
(compounds with "m" flag)
Mike Eger
03/21/16 14:23

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050513.D\dad1B.ch Vial: 80
Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050513.D\dad1A.ch
Acq On : 18-Mar-2016, 14:43:02 Operator: kismet1
Sample : FA31884-5 Inst : G1315B
Misc : op59727,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 21 06:37:00 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Fri Mar 18 14:09:43 2016
Response via : Initial Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound RT#1 RT#2 Resp#1 Resp#2 ppb ppb

System Monitoring Compounds

15) S 3,4-Dinitrotolue 11.10 11.10 929720 1620649 407.276 448.623m
Spiked Amount 500.000 Range 69 - 134 Recovery = 81.46% 89.72%

Target Compounds

1) TNX 0.00 0.00 0 0 N.D. d N.D. d
2) HMX 0.00 0.00 0 0 N.D. d N.D. d
3) DNX 0.00 0.00 0 0 N.D. d N.D. d
4) MNX 0.00 0.00 0 0 N.D. d N.D. d
5) RDX 0.00 0.00 0 0 N.D. d N.D. d
6) 1,3,5-Trinitrobe 0.00 0.00 0 0 N.D. d N.D. d
7) 1,3-Dinitrobenze 0.00 0.00 0 0 N.D. d N.D. d
8) 3,5-Dinitroanili 0.00 0.00 0 0 N.D. d N.D. d
9) Nitrobenzene 0.00 0.00 0 0 N.D. d N.D. d
10) Nitroglycerin 0.00 0.00 0 0 N.D. d N.D. d
11) Tetryl 0.00 0.00 0 0 N.D. d N.D. d
12) 2,4,6-Trinitroto 0.00 0.00 0 0 N.D. N.D.
13) 2-Amino-4,6-Dini 0.00 0.00 0 0 N.D. N.D.
14) 4-Amino-2,6-Dini 0.00 0.00 0 0 N.D. N.D.
16) 2,4-Dinitrotolue 0.00 0.00 0 0 N.D. d N.D. d
17) 2,6-Dinitrotolue 0.00 0.00 0 0 N.D. d N.D. d
18) o-Nitrotoluene 0.00 0.00 0 0 N.D. d N.D. d
19) p-Nitrotoluene 0.00 0.00 0 0 N.D. d N.D. d
20) m-Nitrotoluene 0.00 0.00 0 0 N.D. d N.D. d
21) PETN 0.00 0.00 0 0 N.D. d N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
BB050513.D 8330B_0224.M Mon Mar 21 08:43:31 2016

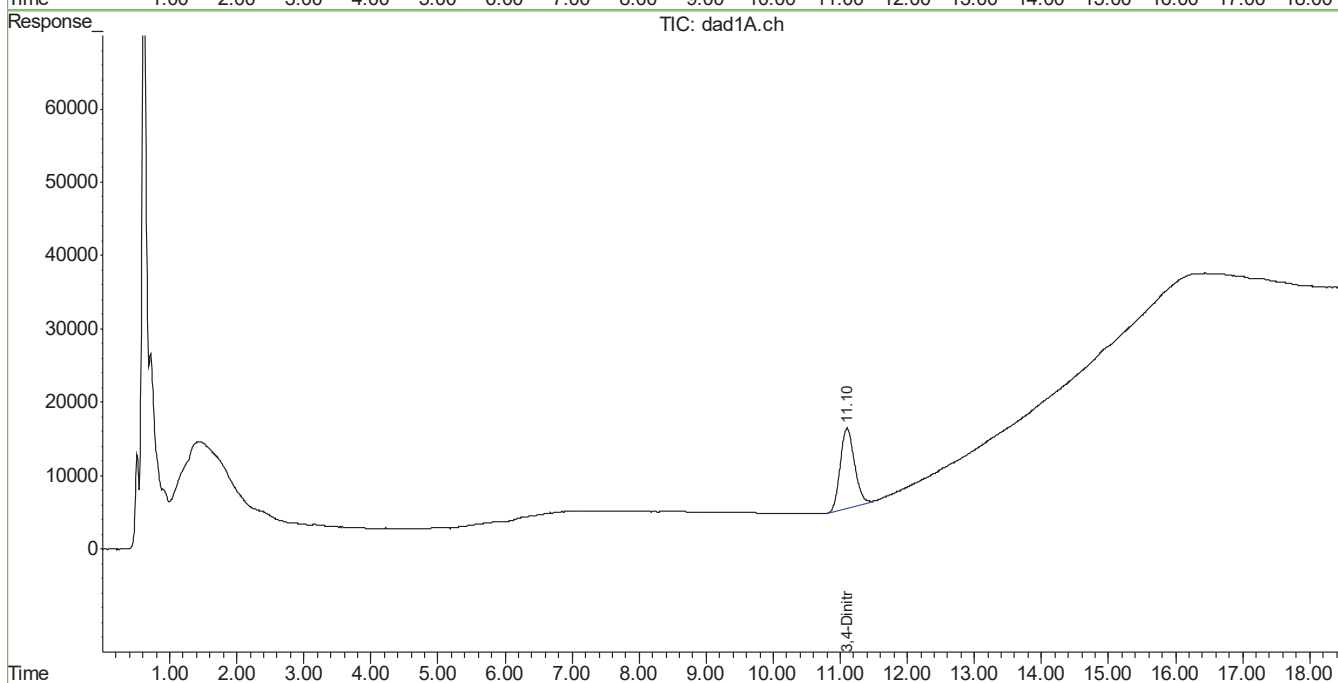
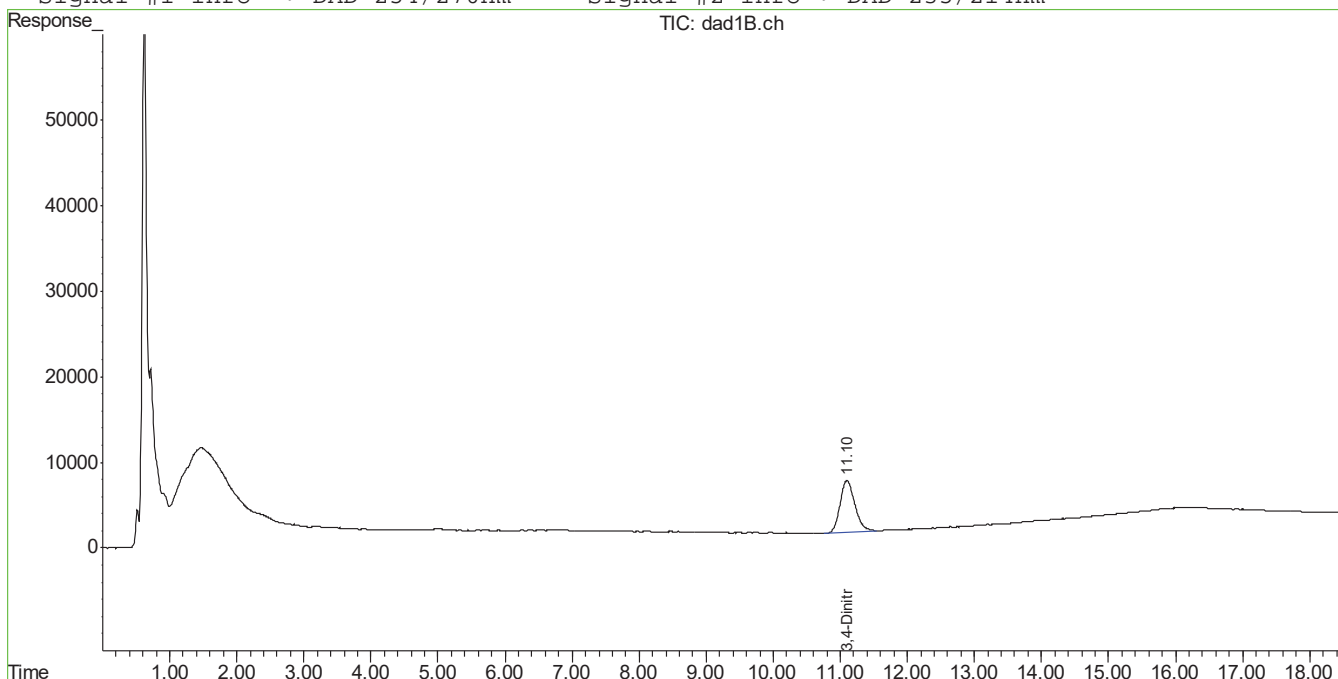
7.1.2
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050513.D\dad1B.ch Vial: 80
Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050513.D\dad1A.ch
Acq On : 18-Mar-2016, 14:43:02 Operator: kismet1
Sample : FA31884-5 Inst : G1315B
Misc : op59727,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 21 7:37 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Fri Mar 18 14:09:43 2016
Response via : Multiple Level Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.1.2
7

Manual Integration Approval Summary

Sample Number: FA31884-5 Method: SW846 8330B
Lab FileID: BB050513.D Analyst approved: 03/21/16 09:41 Kismet Lugo
Injection Time: 03/18/16 14:43 Supervisor approved: 03/21/16 14:23 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
3,4-Dinitrotoluene	610-39-9	2	11.10	Poor instrument integration

7.1.2.1

7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050514.D\dad1B.ch Vial: 81
 Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050514.D\dad1A.ch
 Acq On : 18-Mar-2016, 15:08:29 Operator: kismet1
 Sample : FA31884-8 Inst : G1315B
 Misc : op59727,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 21 06:37:01 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Fri Mar 18 14:09:43 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.10	11.11	989477	1682071	433.453	465.141
	Spiked Amount	500.000	Range	69 - 134	Recovery	=	86.69% 93.03%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	0.00	0.00	0	0	N.D. d	N.D. d
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D. d	N.D. d
5)	RDX	0.00	0.00	0	0	N.D. d	N.D. d
6)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D. d	N.D. d
7)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D. d	N.D. d
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D. d	N.D. d
9)	Nitrobenzene	0.00	0.00	0	0	N.D. d	N.D. d
10)	Nitroglycerin	0.00	0.00	0	0	N.D.	N.D.
11)	Tetryl	0.00	0.00	0	0	N.D.	N.D.
12)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
13)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
14)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
16)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
17)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
18)	o-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
19)	p-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
20)	m-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
21)	PETN	0.00	0.00	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050514.D 8330B_0224.M Mon Mar 21 08:43:32 2016

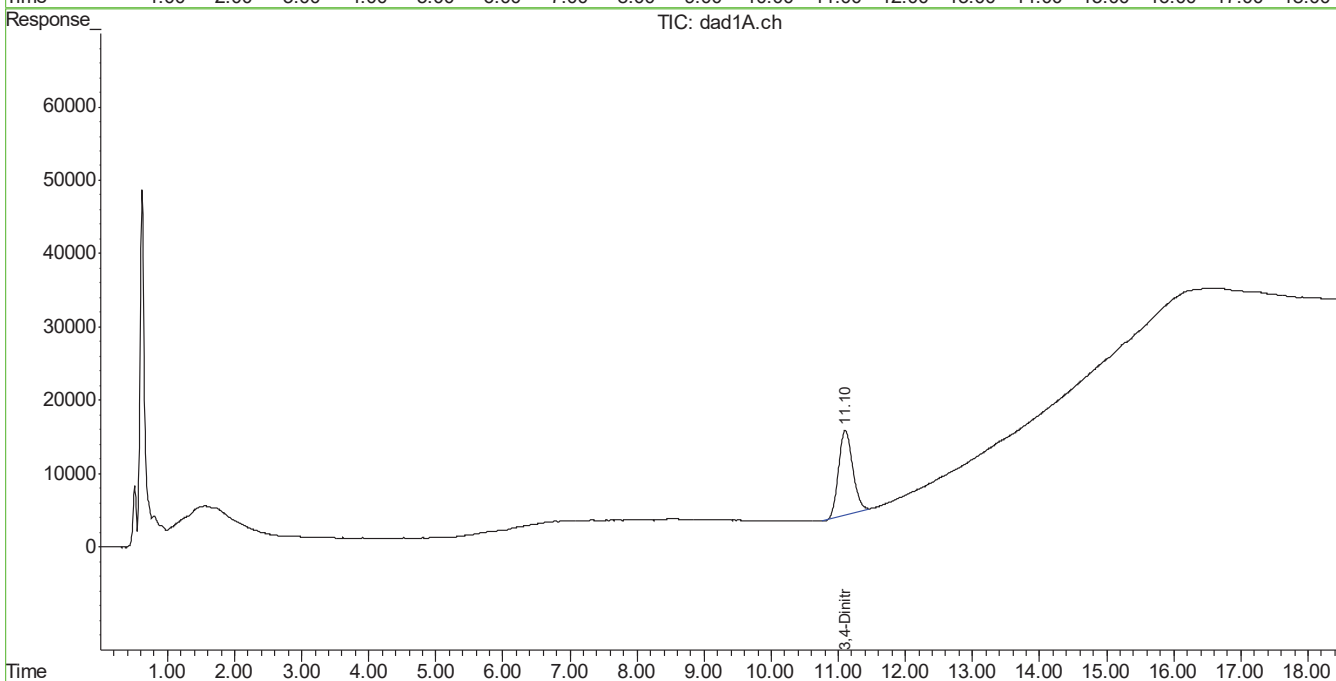
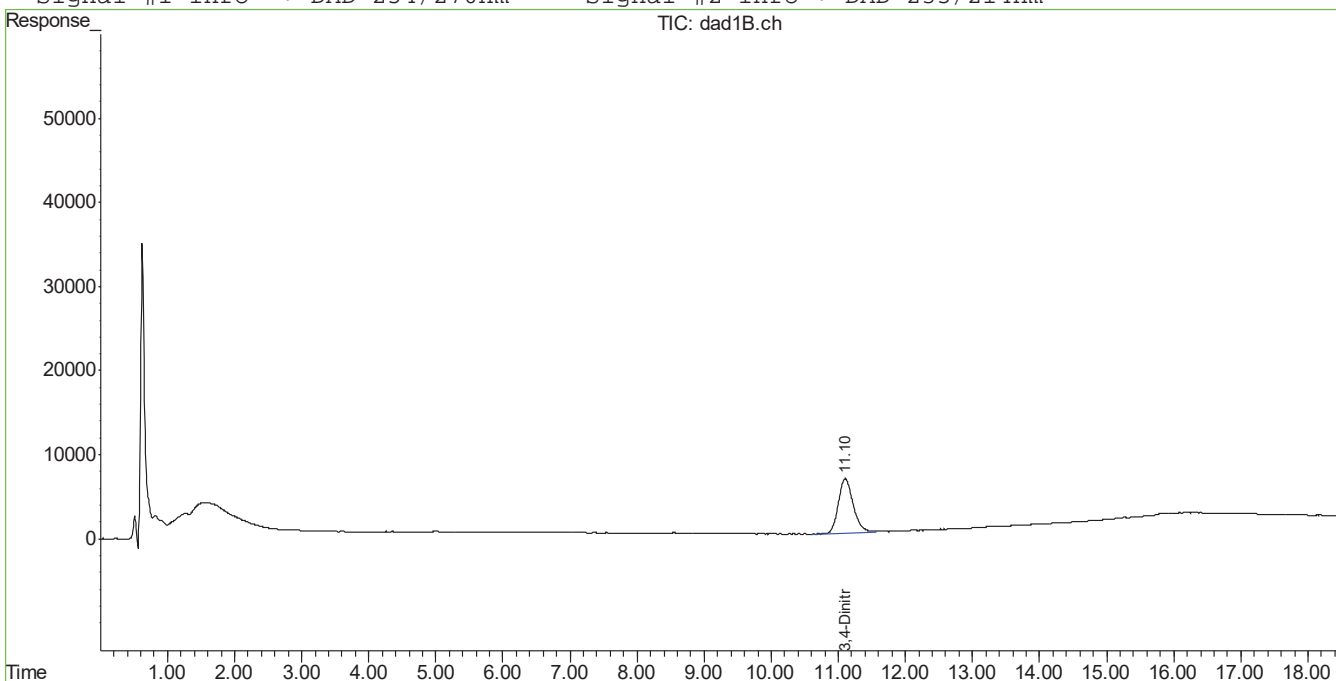
7.1.3
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050514.D\dad1B.ch Vial: 81
Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050514.D\dad1A.ch
Acq On : 18-Mar-2016, 15:08:29 Operator: kismet1
Sample : FA31884-8 Inst : G1315B
Misc : op59727,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 21 7:37 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Fri Mar 18 14:09:43 2016
Response via : Multiple Level Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.1.3
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050515.D\dad1B.ch Vial: 82
 Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050515.D\dad1A.ch
 Acq On : 18-Mar-2016, 15:33:57 Operator: kismet1
 Sample : FA31884-11 Inst : G1315B
 Misc : op59727,GBB1426,10.1,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 21 06:37:02 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Fri Mar 18 14:09:43 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.11	11.11	1004502	1686081	440.035	466.218
	Spiked Amount	500.000	Range	69 - 134	Recovery	=	88.01% 93.24%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	0.00	0.00	0	0	N.D. d	N.D. d
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D. d	N.D. d
5)	RDX	0.00	0.00	0	0	N.D. d	N.D. d
6)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D. d	N.D. d
7)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D. d	N.D. d
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D. d	N.D. d
9)	Nitrobenzene	0.00	0.00	0	0	N.D. d	N.D. d
10)	Nitroglycerin	0.00	0.00	0	0	N.D. d	N.D. d
11)	Tetryl	0.00	0.00	0	0	N.D. d	N.D. d
12)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
13)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
14)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
16)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
17)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
18)	o-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
19)	p-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
20)	m-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
21)	PETN	0.00	0.00	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050515.D 8330B_0224.M Mon Mar 21 08:43:33 2016

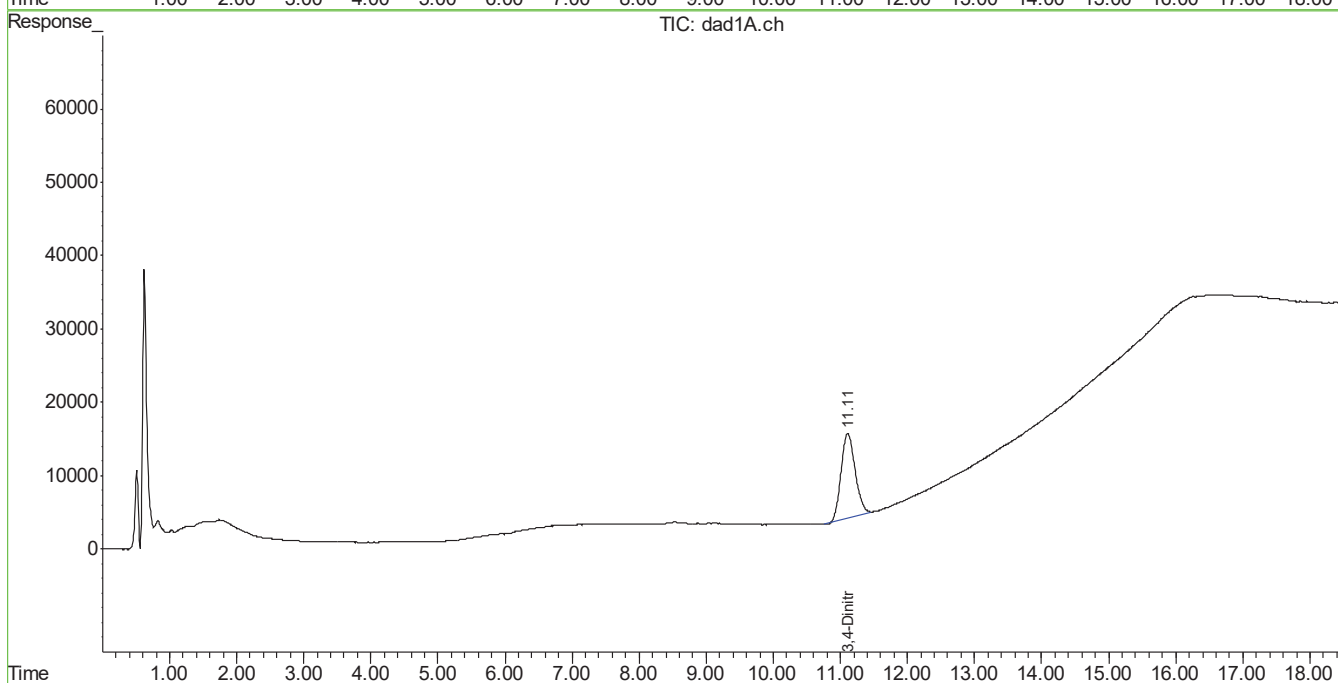
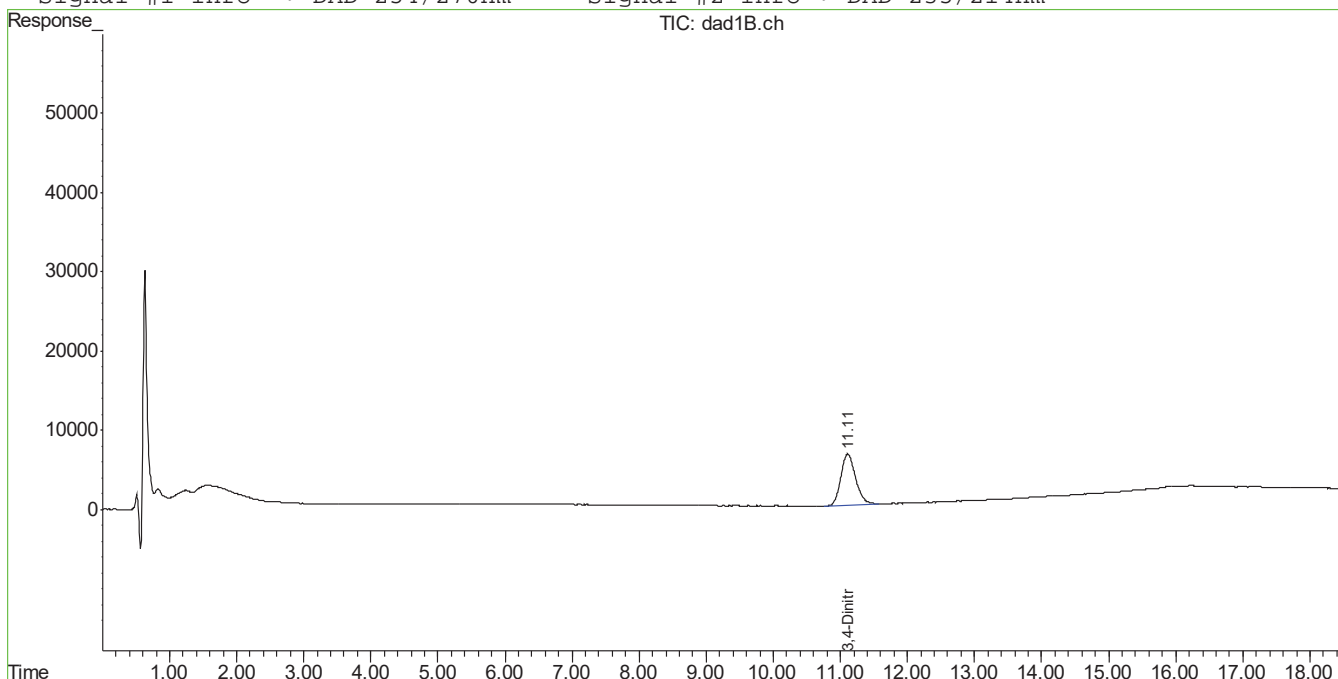
7.1.4
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050515.D\dad1B.ch Vial: 82
Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050515.D\dad1A.ch
Acq On : 18-Mar-2016, 15:33:57 Operator: kismet1
Sample : FA31884-11 Inst : G1315B
Misc : op59727,GBB1426,10.1,,,50,1,soil Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 21 7:39 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Fri Mar 18 14:09:43 2016
Response via : Multiple Level Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050516.D\dad1B.ch Vial: 83
 Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050516.D\dad1A.ch
 Acq On : 18-Mar-2016, 15:59:24 Operator: kismet1
 Sample : FA31884-14 Inst : G1315B
 Misc : op59727,GBB1426,10.1,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 21 06:37:03 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Fri Mar 18 14:09:43 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.11	11.11	969222	1678718	424.580	464.240m
	Spiked Amount	500.000	Range	69 - 134	Recovery	=	84.92% 92.85%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	0.00	0.00	0	0	N.D. d	N.D. d
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D. d	N.D. d
5)	RDX	0.00	0.00	0	0	N.D. d	N.D. d
6)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D. d	N.D. d
7)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D. d	N.D. d
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D. d	N.D. d
9)	Nitrobenzene	0.00	0.00	0	0	N.D. d	N.D. d
10)	Nitroglycerin	0.00	0.00	0	0	N.D. d	N.D. d
11)	Tetryl	0.00	0.00	0	0	N.D. d	N.D. d
12)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
13)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
14)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
16)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
17)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
18)	o-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
19)	p-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
20)	m-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
21)	PETN	0.00	0.00	0	0	N.D. d	N.D. d

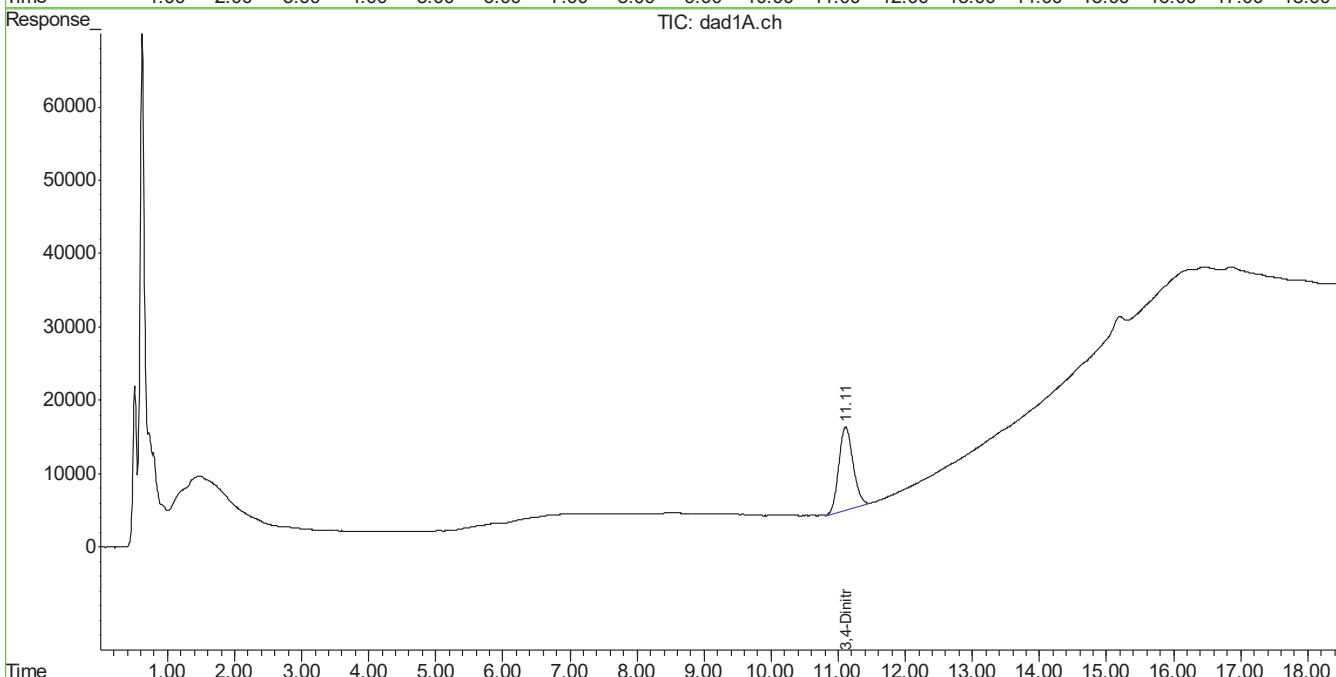
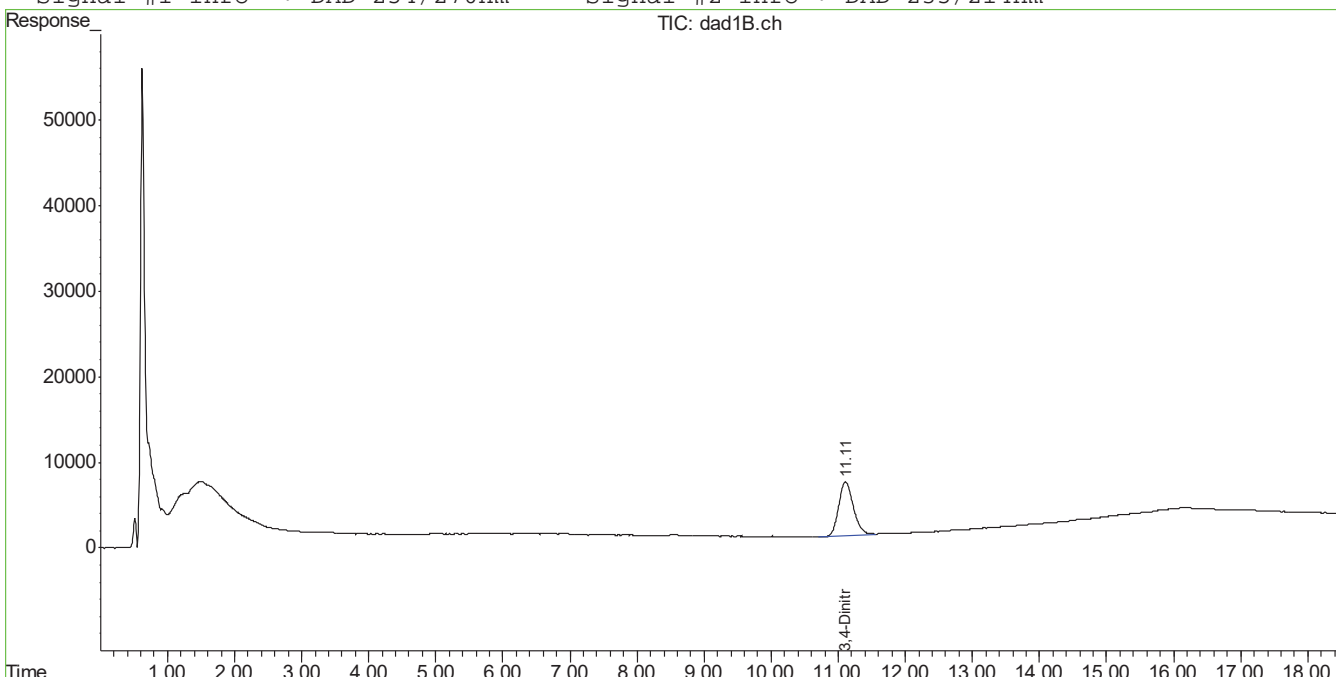
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050516.D 8330B_0224.M Mon Mar 21 08:43:34 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050516.D\dad1B.ch Vial: 83
Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050516.D\dad1A.ch
Acq On : 18-Mar-2016, 15:59:24 Operator: kismet1
Sample : FA31884-14 Inst : G1315B
Misc : op59727,GBB1426,10.1,,,50,1,soil Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 21 7:40 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Fri Mar 18 14:09:43 2016
Response via : Multiple Level Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.1.5
7

Manual Integration Approval Summary

Sample Number: FA31884-14 Method: SW846 8330B
Lab FileID: BB050516.D Analyst approved: 03/21/16 09:41 Kismet Lugo
Injection Time: 03/18/16 15:59 Supervisor approved: 03/21/16 14:23 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
3,4-Dinitrotoluene	610-39-9	2	11.11	Poor instrument integration

7.1.5.1

7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050517.D\dad1B.ch Vial: 84
 Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050517.D\dad1A.ch
 Acq On : 18-Mar-2016, 16:24:51 Operator: kismet1
 Sample : FA31884-17 Inst : G1315B
 Misc : op59727,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 21 06:37:04 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Fri Mar 18 14:09:43 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.11	11.12	1005233	1674235	440.356	463.035
	Spiked Amount	500.000	Range	69 - 134	Recovery	=	88.07% 92.61%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	0.00	0.00	0	0	N.D. d	N.D. d
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D. d	N.D. d
5)	RDX	0.00	0.00	0	0	N.D. d	N.D. d
6)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D. d	N.D. d
7)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D. d	N.D. d
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D. d	N.D. d
9)	Nitrobenzene	0.00	0.00	0	0	N.D. d	N.D. d
10)	Nitroglycerin	0.00	0.00	0	0	N.D. d	N.D. d
11)	Tetryl	0.00	0.00	0	0	N.D. d	N.D. d
12)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
13)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
14)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
16)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
17)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
18)	o-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
19)	p-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
20)	m-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
21)	PETN	0.00	0.00	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050517.D 8330B_0224.M Mon Mar 21 08:43:35 2016

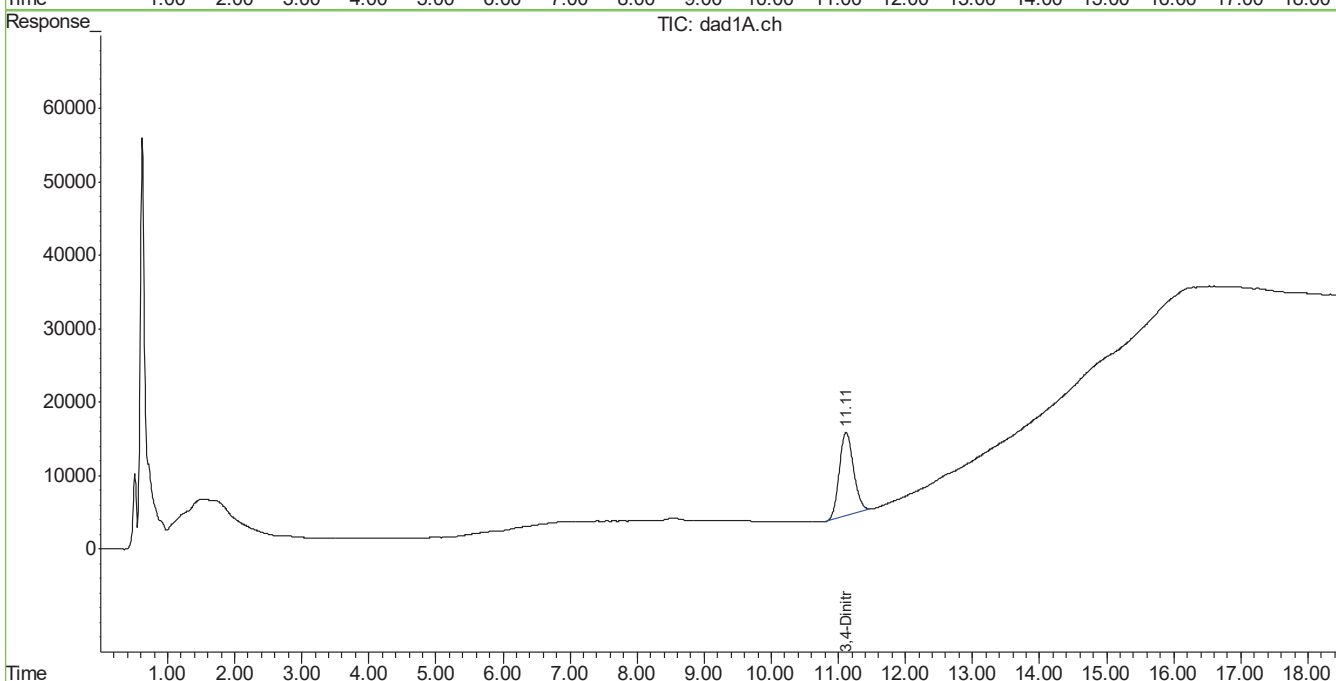
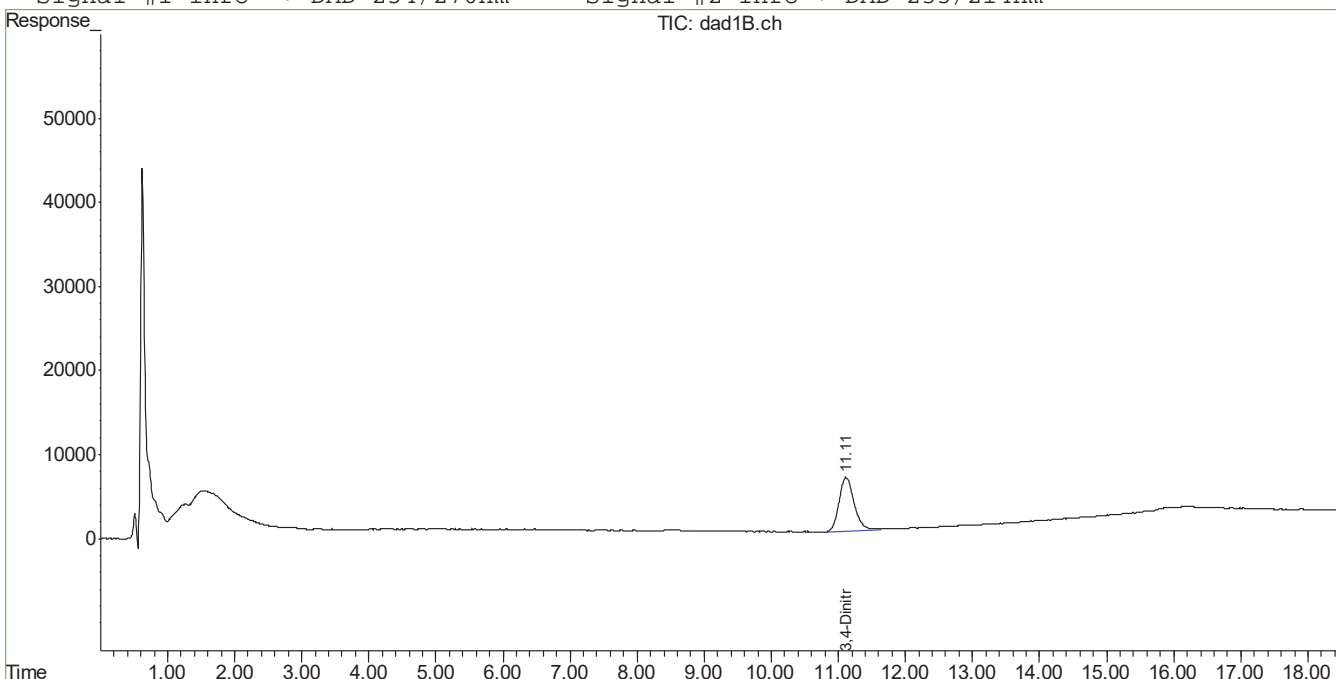
7.1.6
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050517.D\dad1B.ch Vial: 84
Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050517.D\dad1A.ch
Acq On : 18-Mar-2016, 16:24:51 Operator: kismet1
Sample : FA31884-17 Inst : G1315B
Misc : op59727,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 21 7:40 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Fri Mar 18 14:09:43 2016
Response via : Multiple Level Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.1.6
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050518.D\dad1B.ch Vial: 85
Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050518.D\dad1A.ch
Acq On : 18-Mar-2016, 16:50:19 Operator: kismet1
Sample : FA31884-20 Inst : G1315B
Misc : op59727,GBB1426,10.1,,,50,1,soil Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 21 06:37:05 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Fri Mar 18 14:09:43 2016
Response via : Initial Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound RT#1 RT#2 Resp#1 Resp#2 ppb ppb

System Monitoring Compounds

15) S 3,4-Dinitrotolue 11.12 11.12 951100 1622770 416.642 449.194m
Spiked Amount 500.000 Range 69 - 134 Recovery = 83.33% 89.84%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	0.00	0.00	0	0	N.D. d	N.D. d
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D. d	N.D. d
5)	RDX	0.00	0.00	0	0	N.D. d	N.D. d
6)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D. d	N.D. d
7)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D. d	N.D. d
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D. d	N.D. d
9)	Nitrobenzene	0.00	0.00	0	0	N.D. d	N.D. d
10)	Nitroglycerin	0.00	0.00	0	0	N.D. d	N.D. d
11)	Tetryl	0.00	0.00	0	0	N.D. d	N.D. d
12)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
13)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
14)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
16)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
17)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
18)	o-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
19)	p-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
20)	m-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
21)	PETN	0.00	0.00	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
BB050518.D 8330B_0224.M Mon Mar 21 08:43:36 2016

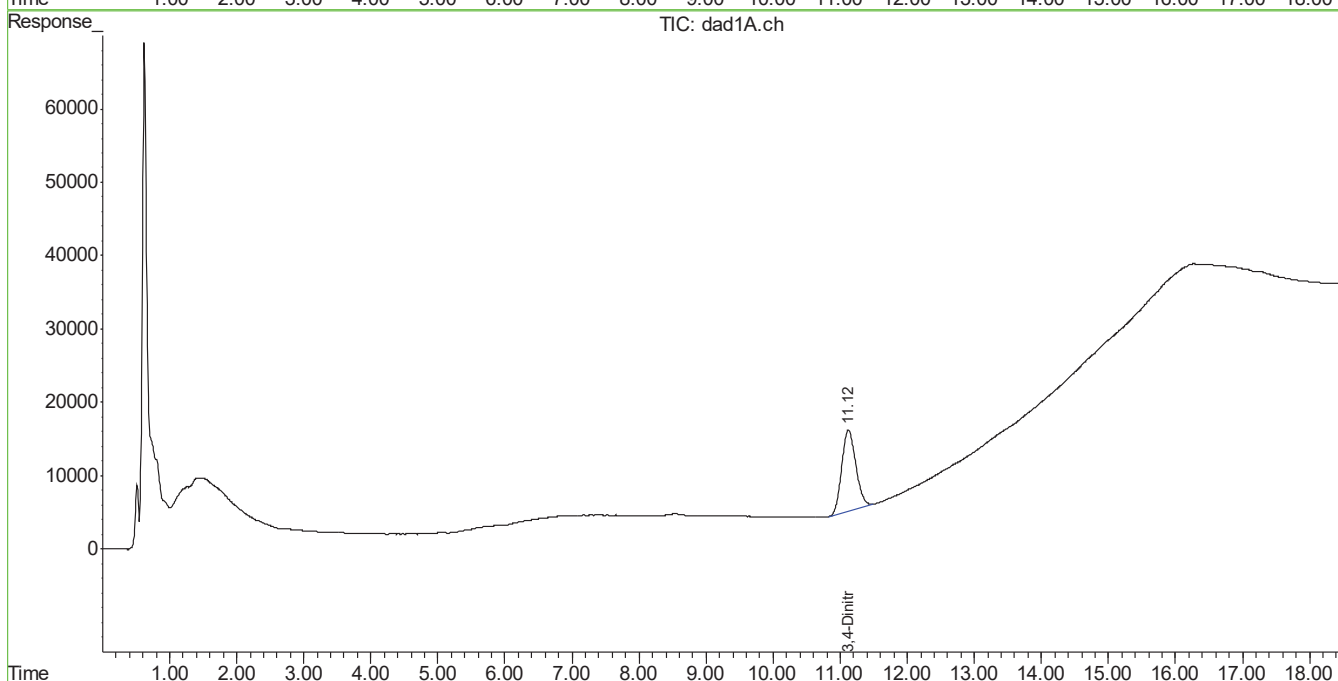
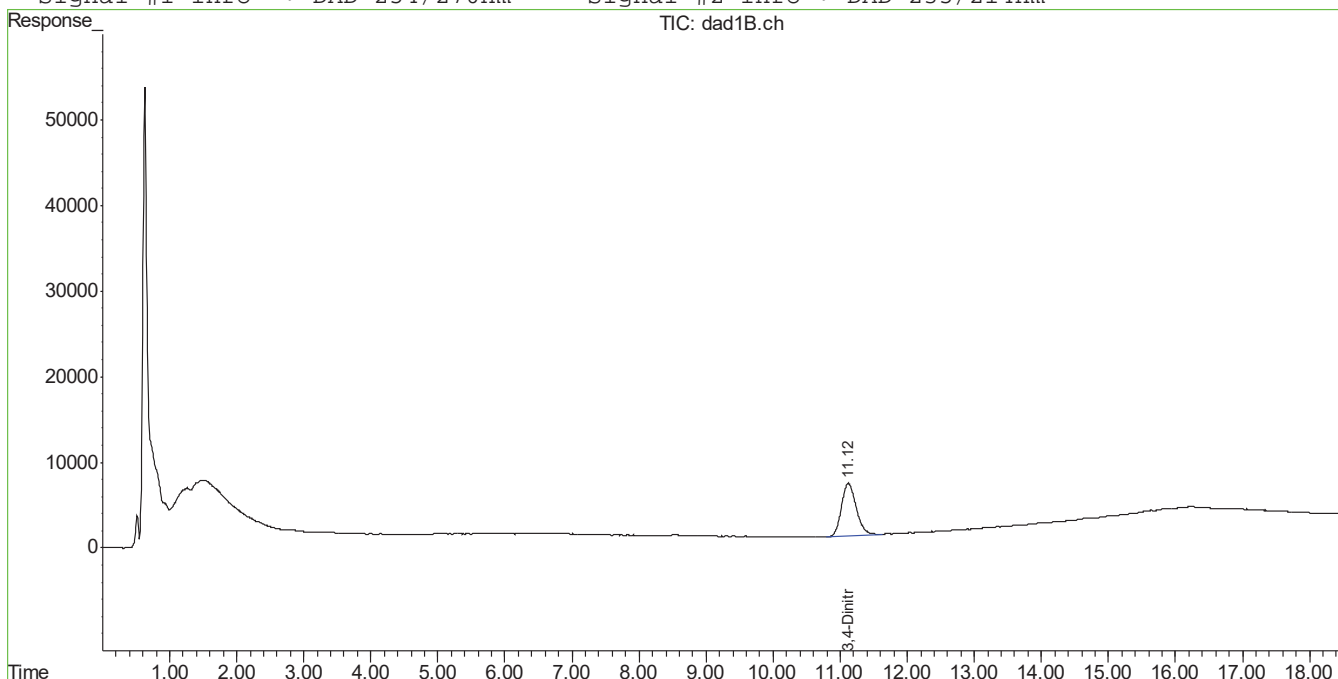
7.17
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050518.D\dad1B.ch Vial: 85
Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050518.D\dad1A.ch
Acq On : 18-Mar-2016, 16:50:19 Operator: kismet1
Sample : FA31884-20 Inst : G1315B
Misc : op59727,GBB1426,10.1,,,50,1,soil Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 21 7:41 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Fri Mar 18 14:09:43 2016
Response via : Multiple Level Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.1.7
7

Manual Integration Approval Summary

Sample Number: FA31884-20 Method: SW846 8330B
Lab FileID: BB050518.D Analyst approved: 03/21/16 09:41 Kismet Lugo
Injection Time: 03/18/16 16:50 Supervisor approved: 03/21/16 14:23 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
3,4-Dinitrotoluene	610-39-9	2	11.12	Poor instrument integration

7.1.7.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050519.D\dad1B.ch Vial: 86
 Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050519.D\dad1A.ch
 Acq On : 18-Mar-2016, 17:15:49 Operator: kismet1
 Sample : FA31884-21 Inst : G1315B
 Misc : op59727,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 21 06:37:06 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Fri Mar 18 14:09:43 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.13	11.13	968896	1669932	424.438	461.879
	Spiked Amount	500.000	Range	69 - 134	Recovery	=	84.89% 92.38%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	0.00	0.00	0	0	N.D. d	N.D. d
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D. d	N.D. d
5)	RDX	0.00	0.00	0	0	N.D. d	N.D. d
6)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D. d	N.D. d
7)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D. d	N.D. d
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D. d	N.D. d
9)	Nitrobenzene	0.00	0.00	0	0	N.D. d	N.D. d
10)	Nitroglycerin	0.00	0.00	0	0	N.D. d	N.D. d
11)	Tetryl	0.00	0.00	0	0	N.D.	N.D.
12)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
13)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
14)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
16)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
17)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
18)	o-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
19)	p-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
20)	m-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
21)	PETN	0.00	0.00	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050519.D 8330B_0224.M Mon Mar 21 08:43:37 2016

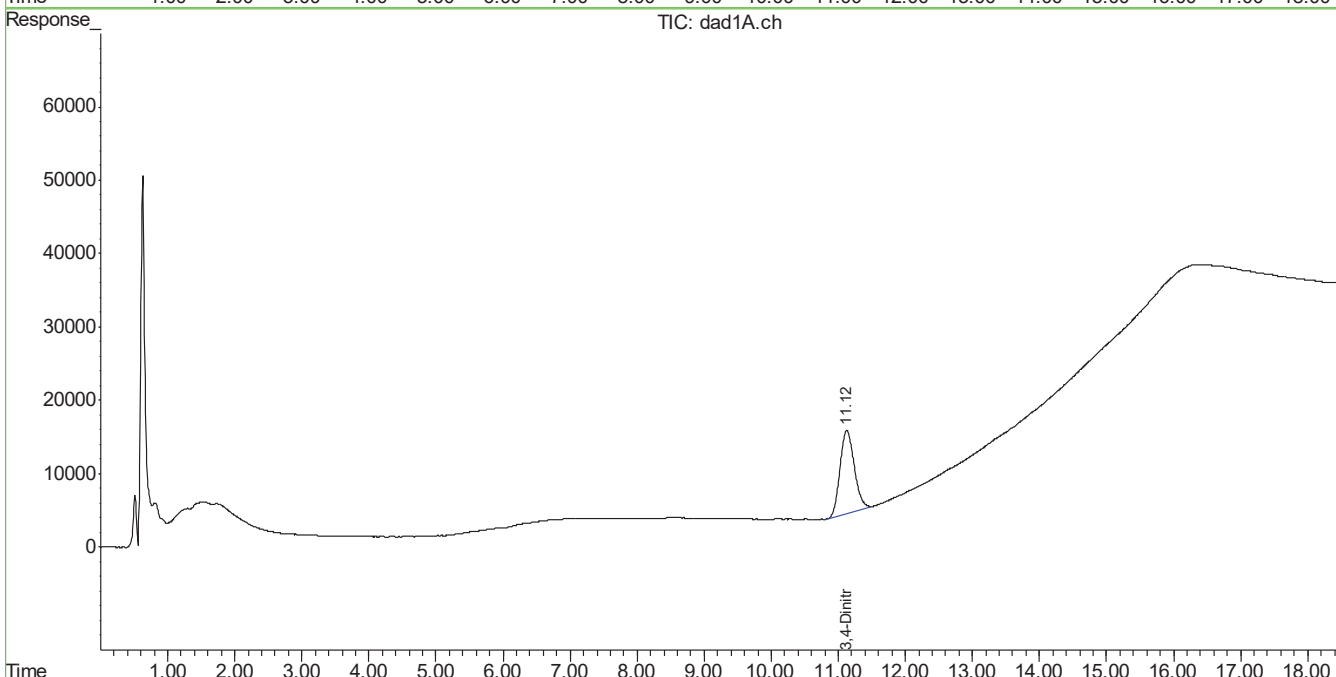
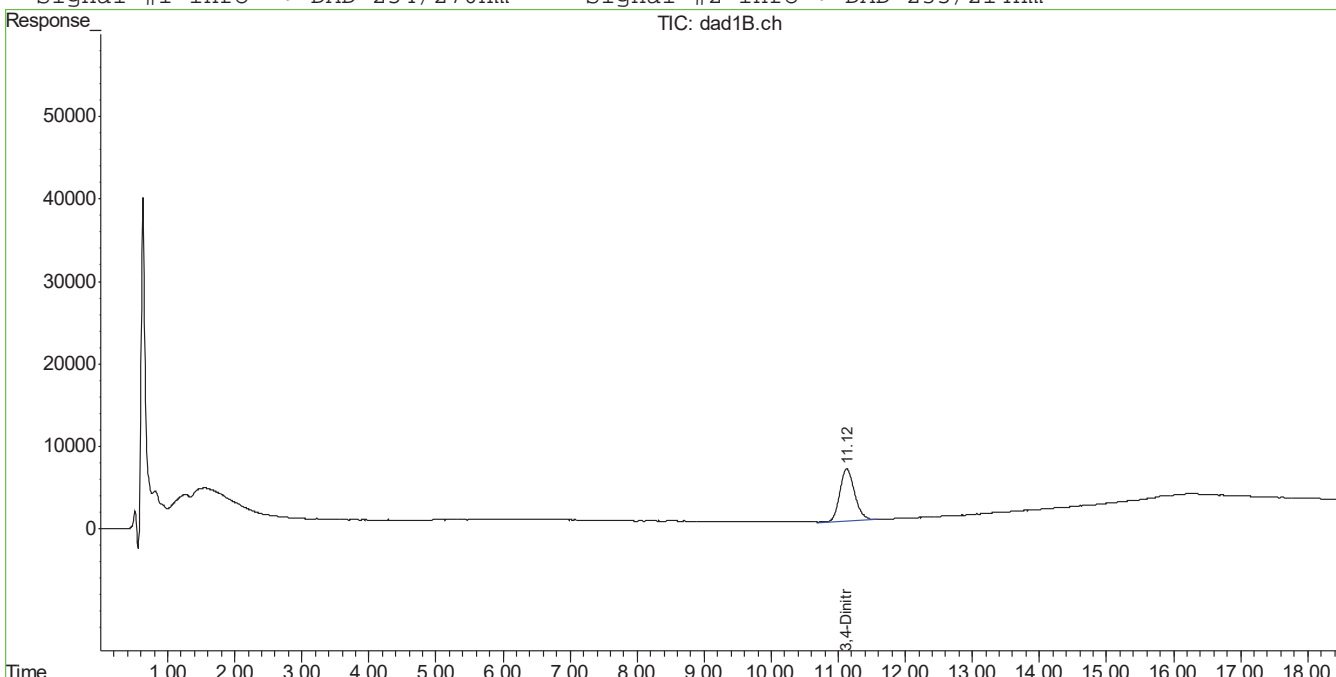
7.1.8
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050519.D\dad1B.ch Vial: 86
Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050519.D\dad1A.ch
Acq On : 18-Mar-2016, 17:15:49 Operator: kismet1
Sample : FA31884-21 Inst : G1315B
Misc : op59727,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 21 7:41 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Fri Mar 18 14:09:43 2016
Response via : Multiple Level Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.1.8
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050524.D\dad1B.ch Vial: 89
 Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050524.D\dad1A.ch
 Acq On : 18-Mar-2016, 19:23:11 Operator: kismet1
 Sample : FA31884-26 Inst : G1315B
 Misc : op59727,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 21 06:37:11 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Fri Mar 18 14:09:43 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.14	11.14	1013789	1738931	444.104	480.402m
	Spiked Amount	500.000	Range	69 - 134	Recovery	=	88.82% 96.08%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	0.00	0.00	0	0	N.D. d	N.D. d
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D. d	N.D. d
5)	RDX	0.00	0.00	0	0	N.D. d	N.D. d
6)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D. d	N.D. d
7)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D. d	N.D. d
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D. d	N.D. d
9)	Nitrobenzene	0.00	0.00	0	0	N.D. d	N.D. d
10)	Nitroglycerin	0.00	0.00	0	0	N.D. d	N.D. d
11)	Tetryl	0.00	0.00	0	0	N.D. d	N.D. d
12)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D. d	N.D. d
13)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D. d	N.D. d
14)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
16)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
17)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
18)	o-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
19)	p-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
20)	m-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
21)	PETN	0.00	0.00	0	0	N.D. d	N.D. d

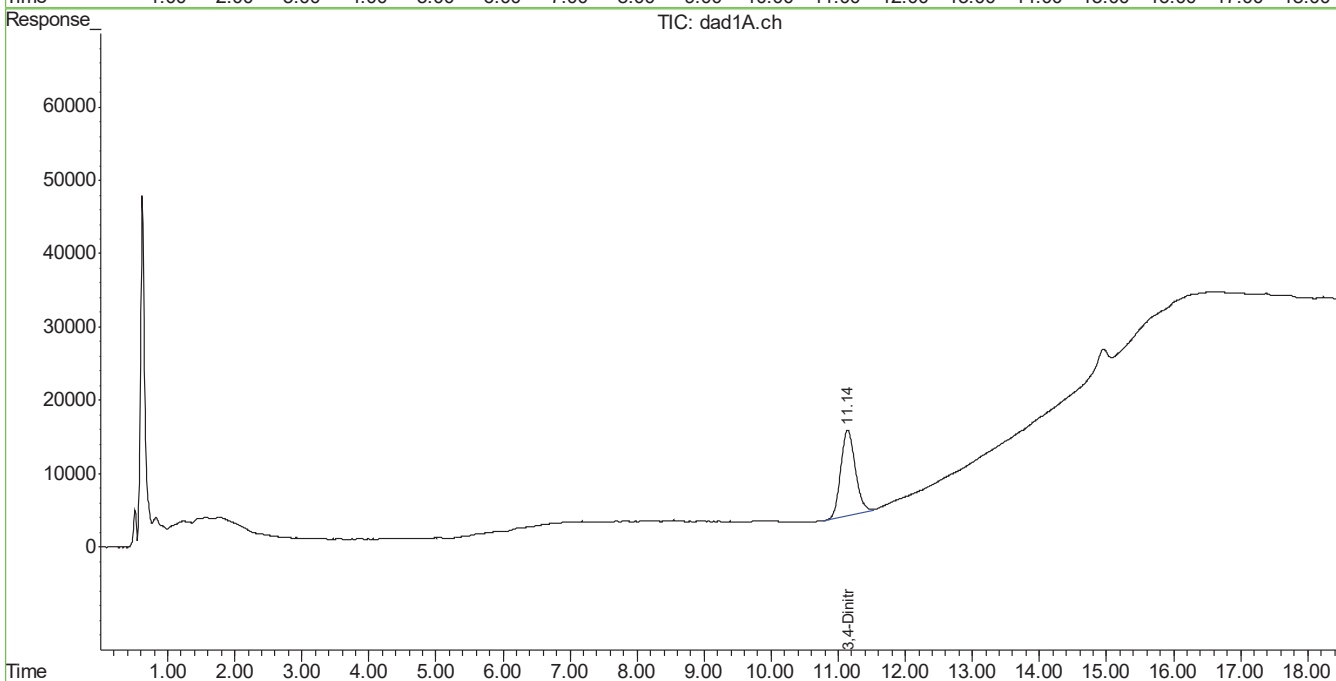
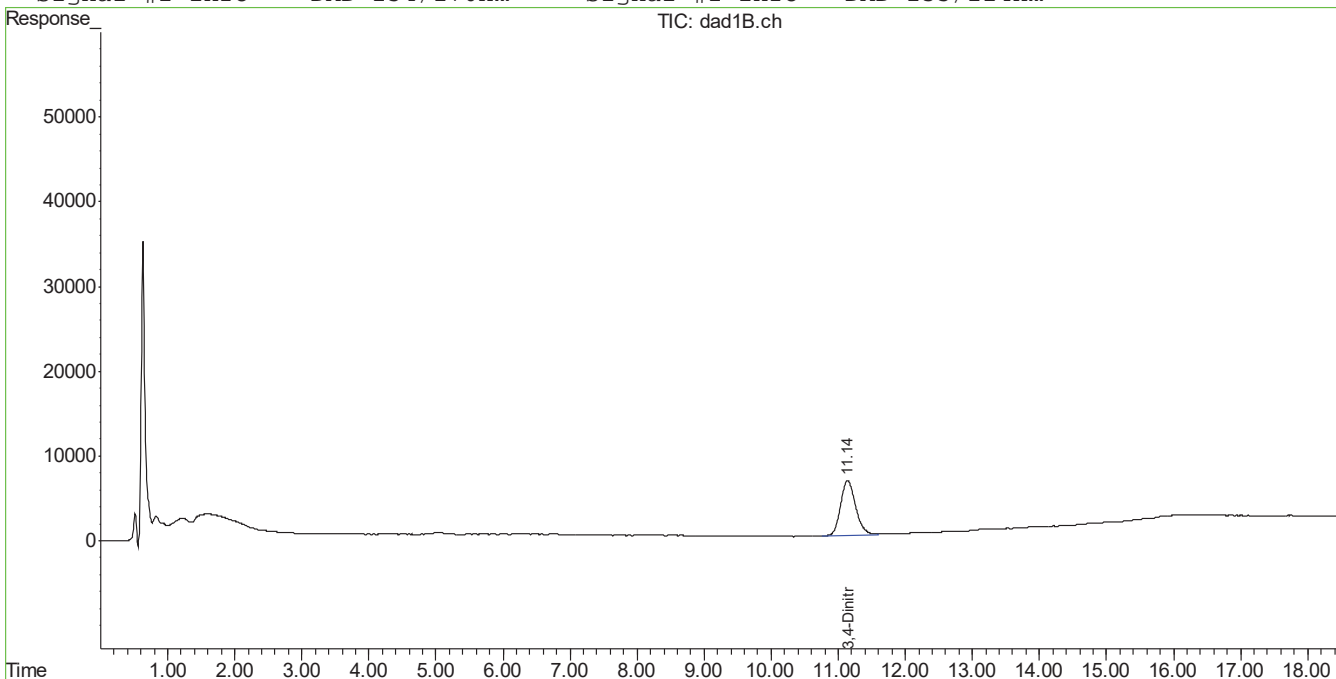
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050524.D 8330B_0224.M Mon Mar 21 08:43:42 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050524.D\dad1B.ch Vial: 89
Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050524.D\dad1A.ch
Acq On : 18-Mar-2016, 19:23:11 Operator: kismet1
Sample : FA31884-26 Inst : G1315B
Misc : op59727,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 21 7:44 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Fri Mar 18 14:09:43 2016
Response via : Multiple Level Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



Manual Integration Approval Summary

Sample Number: FA31884-26 Method: SW846 8330B
Lab FileID: BB050524.D Analyst approved: 03/21/16 09:41 Kismet Lugo
Injection Time: 03/18/16 19:23 Supervisor approved: 03/21/16 14:23 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
3,4-Dinitrotoluene	610-39-9	2	11.14	Poor instrument integration

7.1.9.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050525.D\dad1B.ch Vial: 90
Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050525.D\dad1A.ch
Acq On : 18-Mar-2016, 19:48:41 Operator: kismet1
Sample : FA31884-29 Inst : G1315B
Misc : op59727,GBB1426,10.1,,,50,1,soil Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 21 06:37:12 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Fri Mar 18 14:09:43 2016
Response via : Initial Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound RT#1 RT#2 Resp#1 Resp#2 ppb ppb

System Monitoring Compounds

15) S 3,4-Dinitrotolue 11.14 11.14 1019236 1766456 446.490 487.780m
Spiked Amount 500.000 Range 69 - 134 Recovery = 89.30% 97.56%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	0.00	0.00	0	0	N.D. d	N.D. d
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D. d	N.D. d
5)	RDX	0.00	0.00	0	0	N.D. d	N.D. d
6)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D. d	N.D. d
7)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D. d	N.D. d
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D. d	N.D. d
9)	Nitrobenzene	0.00	0.00	0	0	N.D. d	N.D. d
10)	Nitroglycerin	0.00	0.00	0	0	N.D.	N.D.
11)	Tetryl	0.00	0.00	0	0	N.D.	N.D.
12)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
13)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
14)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
16)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
17)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
18)	o-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
19)	p-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
20)	m-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
21)	PETN	0.00	0.00	0	0	N.D. d	N.D. d

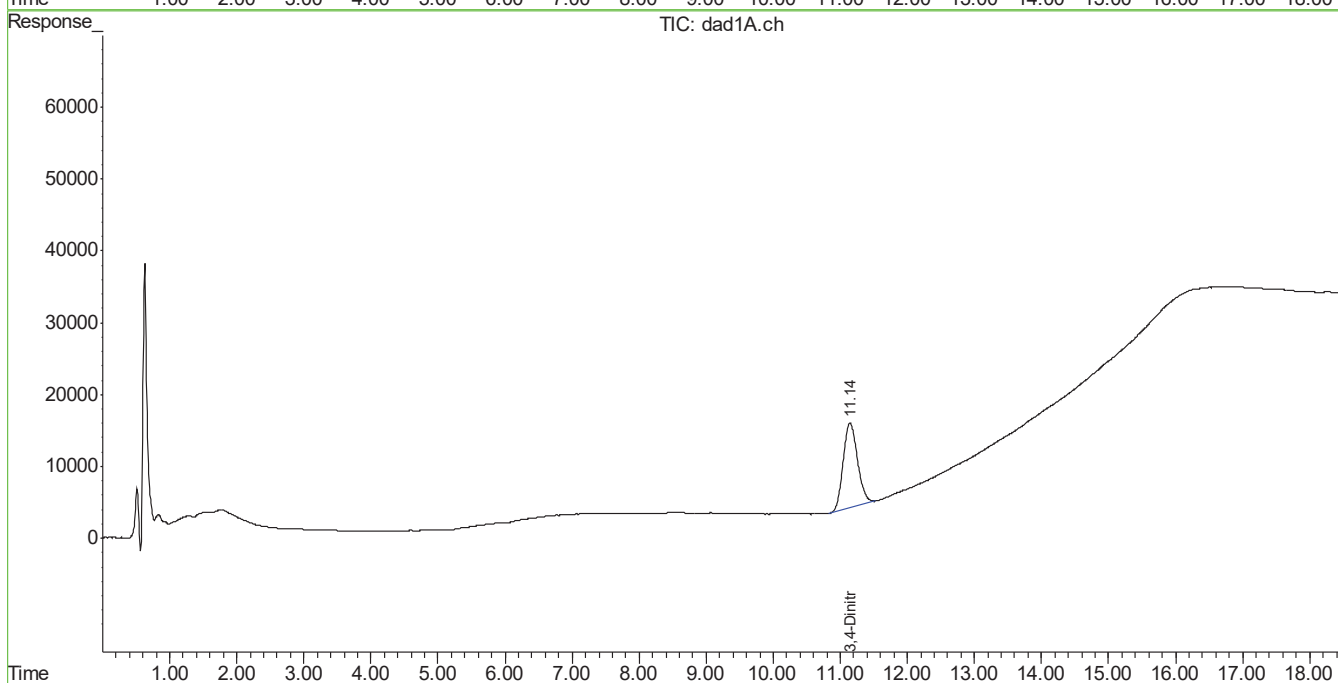
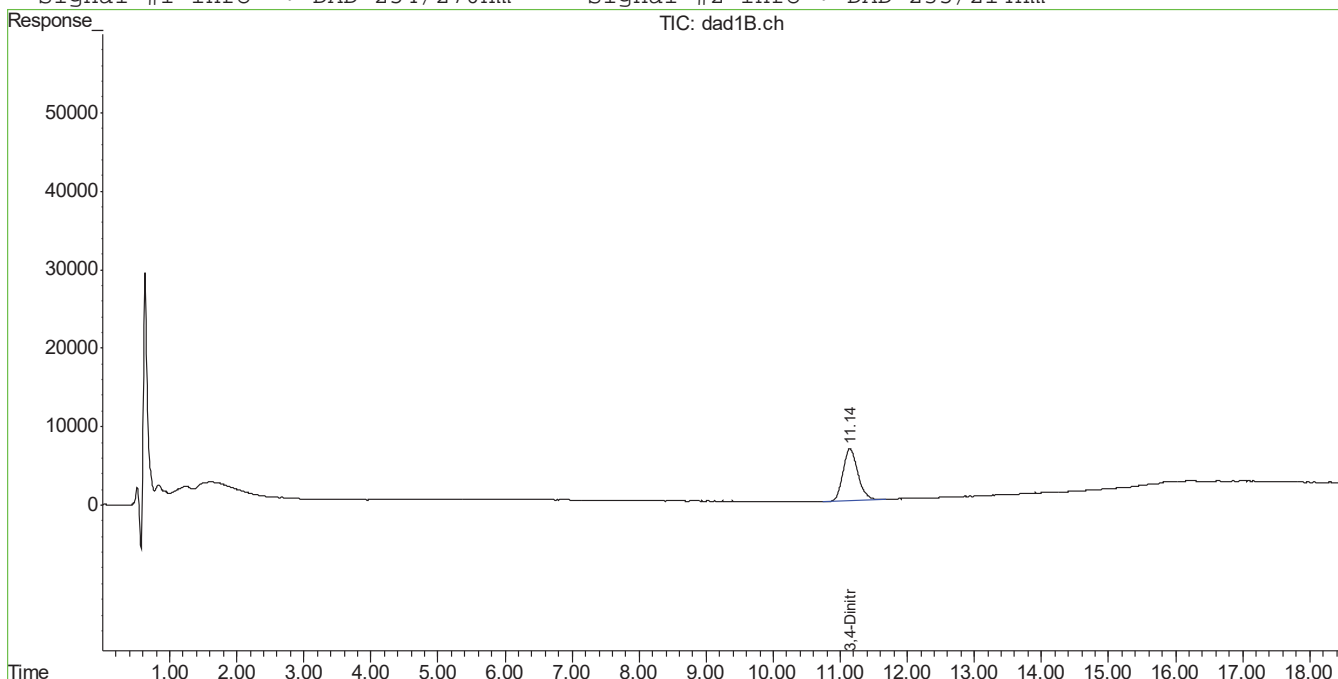
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
BB050525.D 8330B_0224.M Mon Mar 21 08:43:43 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050525.D\dad1B.ch Vial: 90
Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050525.D\dad1A.ch
Acq On : 18-Mar-2016, 19:48:41 Operator: kismet1
Sample : FA31884-29 Inst : G1315B
Misc : op59727,GBB1426,10.1,,,50,1,soil Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 21 7:45 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Fri Mar 18 14:09:43 2016
Response via : Multiple Level Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.1.10
7

Manual Integration Approval Summary

Sample Number: FA31884-29 Method: SW846 8330B
Lab FileID: BB050525.D Analyst approved: 03/21/16 09:41 Kismet Lugo
Injection Time: 03/18/16 19:48 Supervisor approved: 03/21/16 14:23 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
3,4-Dinitrotoluene	610-39-9	2	11.14	Poor instrument integration

7.1.10.1

7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050337.D\dad1B.ch Vial: 46
Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050337.D\dad1A.ch
Acq On : 15-Mar-2016, 09:42:41 Operator: kismet1
Sample : FA31884-30 Inst : G1315B
Misc : op59619,GBB1423,1050,,,10,1,water Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 16 06:50:21 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Wed Mar 16 06:50:00 2016
Response via : Initial Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound RT#1 RT#2 Resp#1 Resp#2 ppb ppb

System Monitoring Compounds

15) S 3,4-Dinitrotolue 11.18 11.18 1063537 1888306 465.896m 520.360m
Spiked Amount 500.000 Range 70 - 136 Recovery = 93.18% 104.07%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	0.00	0.00	0	0	N.D. d	N.D. d
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D. d	N.D. d
5)	RDX	0.00	0.00	0	0	N.D. d	N.D. d
6)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D. d	N.D. d
7)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D. d	N.D. d
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D. d	N.D. d
9)	Nitrobenzene	0.00	0.00	0	0	N.D. d	N.D. d
10)	Nitroglycerin	0.00	0.00	0	0	N.D. d	N.D. d
11)	Tetryl	0.00	0.00	0	0	N.D. d	N.D. d
12)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D. d	N.D. d
13)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D. d	N.D. d
14)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D. d	N.D. d
16)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
17)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
18)	o-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
19)	p-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
20)	m-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
21)	PETN	0.00	0.00	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
BB050337.D 8330B_0224.M Wed Mar 16 09:19:57 2016

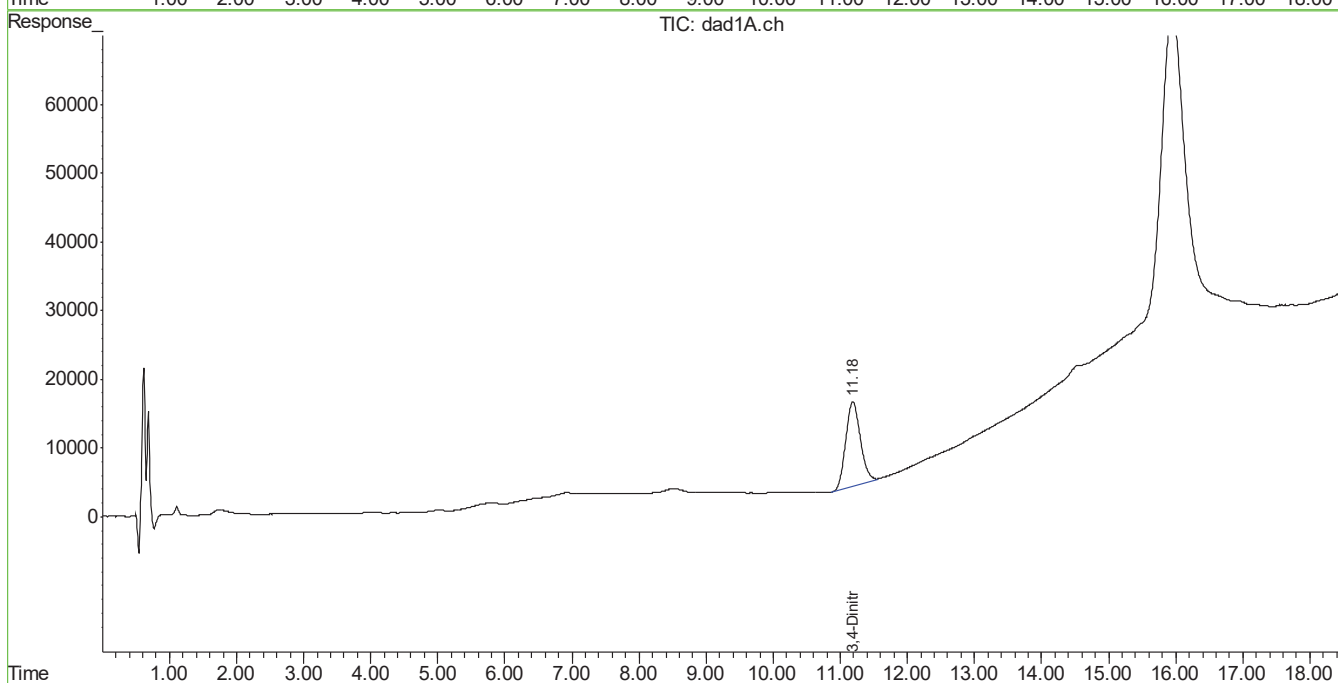
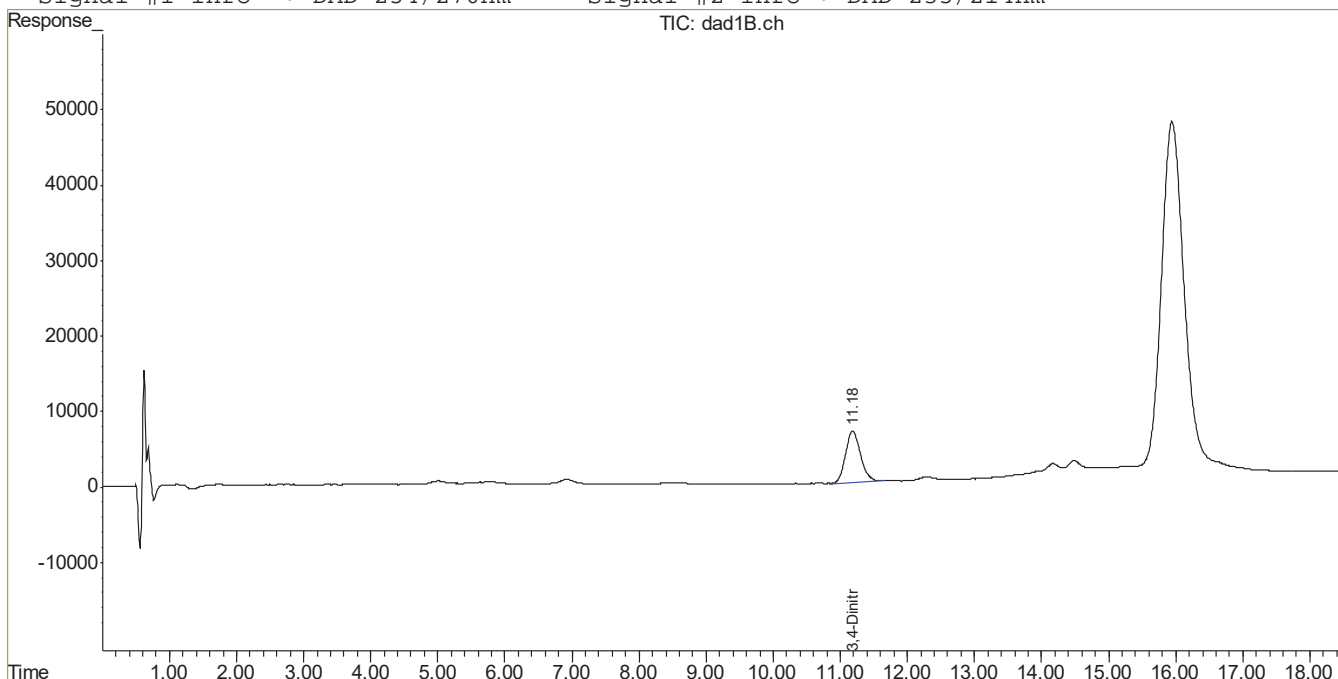
7.1.11
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050337.D\dad1B.ch Vial: 46
Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050337.D\dad1A.ch
Acq On : 15-Mar-2016, 09:42:41 Operator: kismet1
Sample : FA31884-30 Inst : G1315B
Misc : op59619,GBB1423,1050,,,10,1,water Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 16 8:21 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Wed Mar 16 06:50:00 2016
Response via : Multiple Level Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.1.11
7

Manual Integration Approval Summary

Sample Number: FA31884-30 Method: SW846 8330B
Lab FileID: BB050337.D Analyst approved: 03/16/16 09:43 Kismet Lugo
Injection Time: 03/15/16 09:42 Supervisor approved: 03/16/16 12:13 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
3,4-Dinitrotoluene	610-39-9	1	11.18	Poor instrument integration
3,4-Dinitrotoluene	610-39-9	2	11.18	Poor instrument integration

7.1.11.1

7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050526.D\dad1B.ch Vial: 91
Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050526.D\dad1A.ch
Acq On : 18-Mar-2016, 20:14:13 Operator: kismet1
Sample : FA31884-33 Inst : G1315B
Misc : op59727,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 21 06:37:13 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Fri Mar 18 14:09:43 2016
Response via : Initial Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound RT#1 RT#2 Resp#1 Resp#2 ppb ppb

System Monitoring Compounds

15) S 3,4-Dinitrotolue 11.15 11.15 958516 1650629 419.891 456.689m
Spiked Amount 500.000 Range 69 - 134 Recovery = 83.98% 91.34%

Target Compounds

1) TNX 0.00 0.00 0 0 N.D. d N.D. d
2) HMX 0.00 0.00 0 0 N.D. d N.D. d
3) DNX 0.00 0.00 0 0 N.D. d N.D. d
4) MNX 0.00 0.00 0 0 N.D. d N.D. d
5) RDX 0.00 0.00 0 0 N.D. d N.D. d
6) 1,3,5-Trinitrobe 0.00 0.00 0 0 N.D. d N.D. d
7) 1,3-Dinitrobenze 0.00 0.00 0 0 N.D. d N.D. d
8) 3,5-Dinitroanili 0.00 0.00 0 0 N.D. d N.D. d
9) Nitrobenzene 0.00 0.00 0 0 N.D. d N.D. d
10) Nitroglycerin 0.00 0.00 0 0 N.D. N.D.
11) Tetryl 0.00 0.00 0 0 N.D. N.D.
12) 2,4,6-Trinitroto 0.00 0.00 0 0 N.D. N.D.
13) 2-Amino-4,6-Dini 0.00 0.00 0 0 N.D. N.D.
14) 4-Amino-2,6-Dini 0.00 0.00 0 0 N.D. N.D.
16) 2,4-Dinitrotolue 0.00 0.00 0 0 N.D. d N.D. d
17) 2,6-Dinitrotolue 0.00 0.00 0 0 N.D. d N.D. d
18) o-Nitrotoluene 0.00 0.00 0 0 N.D. d N.D. d
19) p-Nitrotoluene 0.00 0.00 0 0 N.D. d N.D. d
20) m-Nitrotoluene 0.00 0.00 0 0 N.D. d N.D. d
21) PETN 0.00 0.00 0 0 N.D. d N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
BB050526.D 8330B_0224.M Mon Mar 21 08:43:44 2016

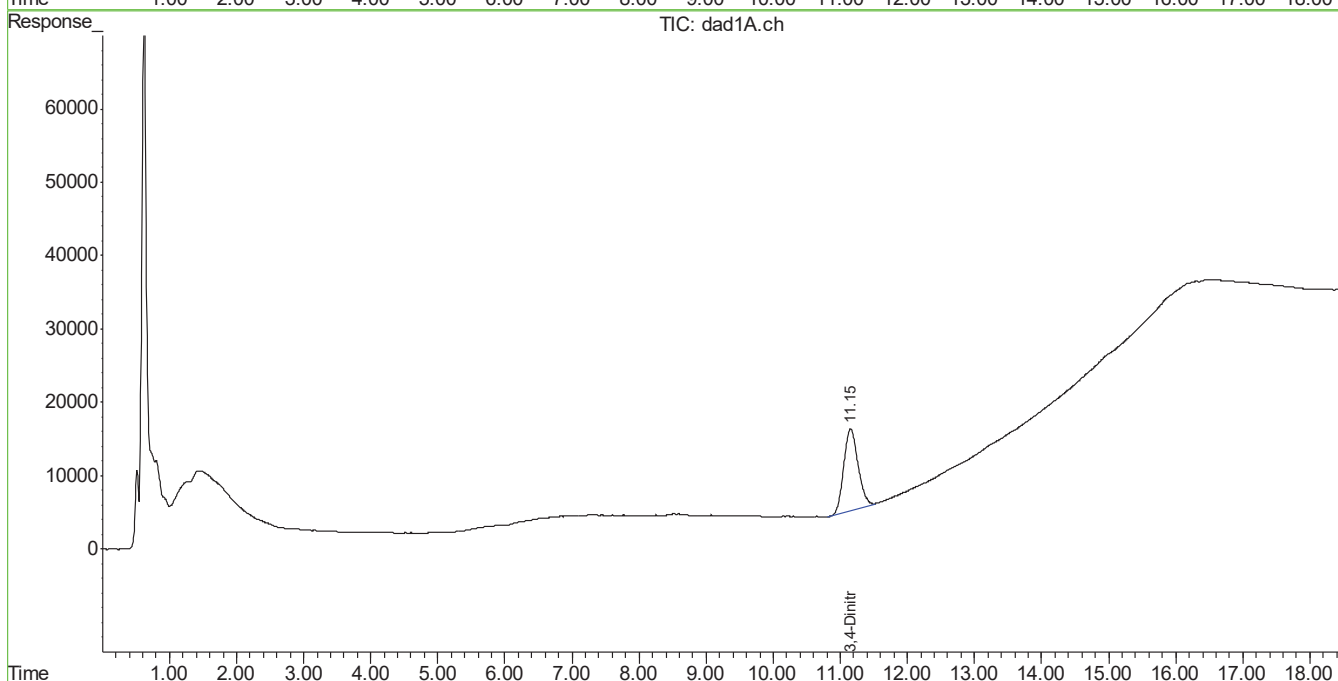
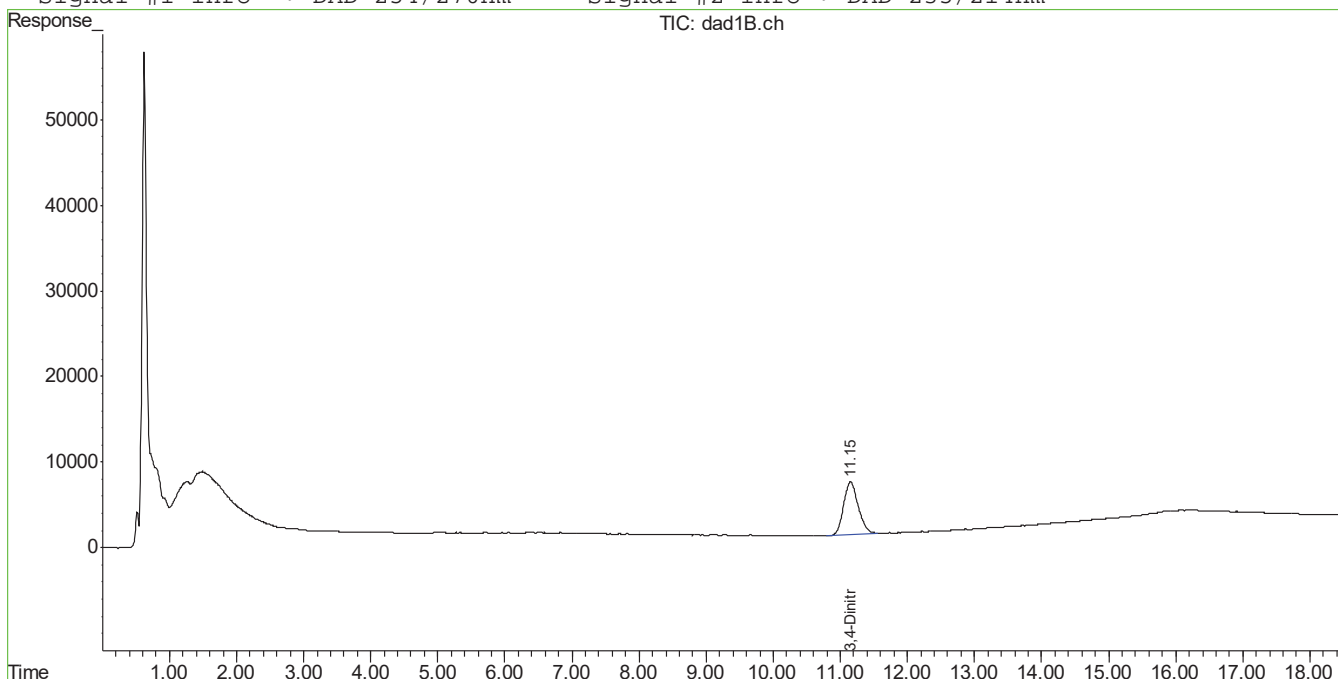
7.1.12
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050526.D\dad1B.ch Vial: 91
Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050526.D\dad1A.ch
Acq On : 18-Mar-2016, 20:14:13 Operator: kismet1
Sample : FA31884-33 Inst : G1315B
Misc : op59727,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 21 7:45 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Fri Mar 18 14:09:43 2016
Response via : Multiple Level Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.1.12
7

Manual Integration Approval Summary

Sample Number: FA31884-33 Method: SW846 8330B
Lab FileID: BB050526.D Analyst approved: 03/21/16 09:41 Kismet Lugo
Injection Time: 03/18/16 20:14 Supervisor approved: 03/21/16 14:23 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
3,4-Dinitrotoluene	610-39-9	2	11.15	Poor instrument integration

7.1.12.1

7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050335.D\dad1B.ch Vial: 44
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050335.D\dad1A.ch
 Acq On : 15-Mar-2016, 08:51:42 Operator: kismet1
 Sample : op59619-mb Inst : G1315B
 Misc : op59619,GBB1423,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 06:50:19 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.18	11.18	1079185	1855823	472.751m	511.688m
	Spiked Amount	500.000	Range	70 - 136	Recovery	= 94.55%	102.34%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	0.00	0.00	0	0	N.D. d	N.D. d
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D. d	N.D. d
5)	RDX	0.00	0.00	0	0	N.D. d	N.D. d
6)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D. d	N.D. d
7)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D. d	N.D. d
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D. d	N.D. d
9)	Nitrobenzene	0.00	0.00	0	0	N.D. d	N.D. d
10)	Nitroglycerin	0.00	0.00	0	0	N.D. d	N.D. d
11)	Tetryl	0.00	0.00	0	0	N.D. d	N.D. d
12)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D. d	N.D. d
13)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D. d	N.D. d
14)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
16)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
17)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
18)	o-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
19)	p-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
20)	m-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
21)	PETN	0.00	0.00	0	0	N.D. d	N.D. d

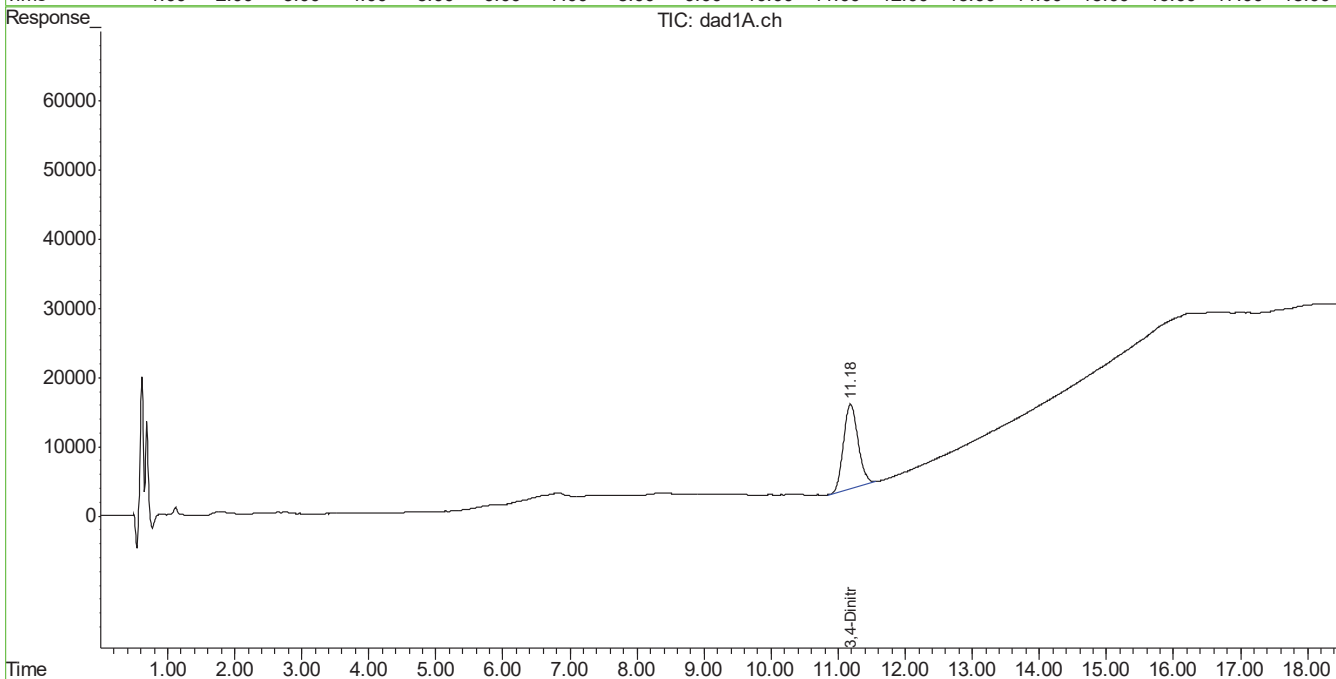
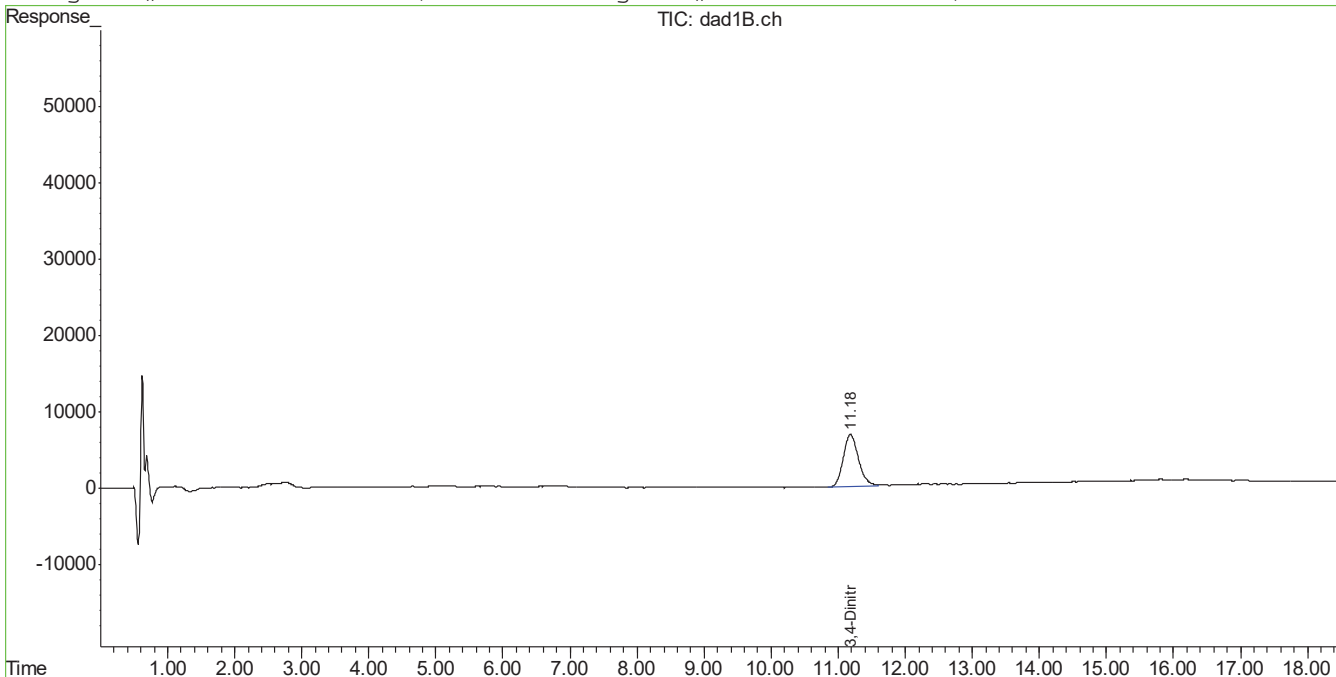
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050335.D 8330B_0224.M Wed Mar 16 09:19:55 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050335.D\dad1B.ch Vial: 44
Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050335.D\dad1A.ch
Acq On : 15-Mar-2016, 08:51:42 Operator: kismet1
Sample : op59619-mb Inst : G1315B
Misc : op59619,GBB1423,1000,,,10,1,water Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 16 8:17 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Wed Mar 16 06:50:00 2016
Response via : Multiple Level Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



Manual Integration Approval Summary

Sample Number: OP59619-MB Method: SW846 8330B
Lab FileID: BB050335.D Analyst approved: 03/16/16 09:39 Kismet Lugo
Injection Time: 03/15/16 08:51 Supervisor approved: 03/16/16 12:13 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
3,4-Dinitrotoluene	610-39-9	1	11.18	Poor instrument integration
3,4-Dinitrotoluene	610-39-9	2	11.18	Poor instrument integration

7.2.1.1

7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050506.D\dad1B.ch Vial: 76
 Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050506.D\dad1A.ch
 Acq On : 18-Mar-2016, 11:37:31 Operator: kismet1
 Sample : op59727-mb Inst : G1315B
 Misc : op59727,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 18 14:10:09 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Fri Mar 18 14:09:43 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.06	11.07	1035032	1758083	453.409m	485.536
	Spiked Amount	500.000	Range	69 - 134	Recovery	=	90.68% 97.11%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	0.00	0.00	0	0	N.D. d	N.D. d
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D. d	N.D. d
5)	RDX	0.00	0.00	0	0	N.D. d	N.D. d
6)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D. d	N.D. d
7)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D. d	N.D. d
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D. d	N.D. d
9)	Nitrobenzene	0.00	0.00	0	0	N.D. d	N.D. d
10)	Nitroglycerin	0.00	0.00	0	0	N.D.	N.D.
11)	Tetryl	0.00	0.00	0	0	N.D.	N.D.
12)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
13)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
14)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
16)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
17)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
18)	o-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
19)	p-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
20)	m-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
21)	PETN	0.00	0.00	0	0	N.D. d	N.D. d

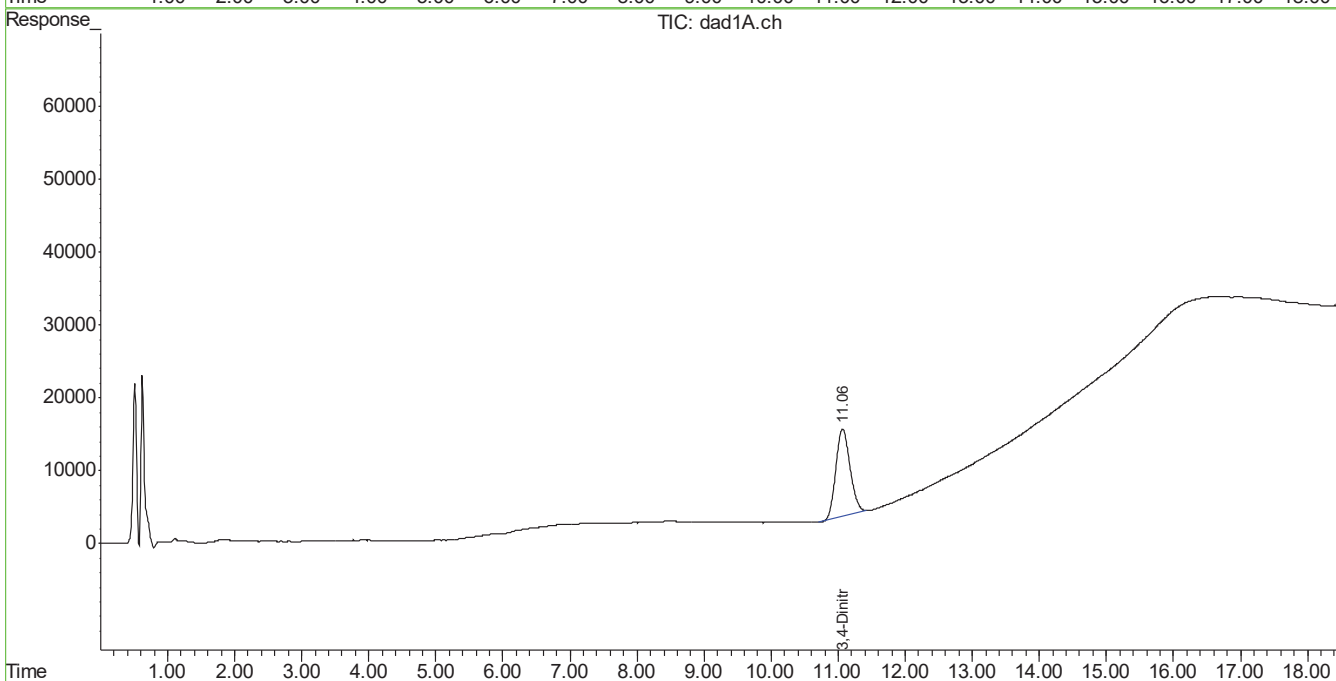
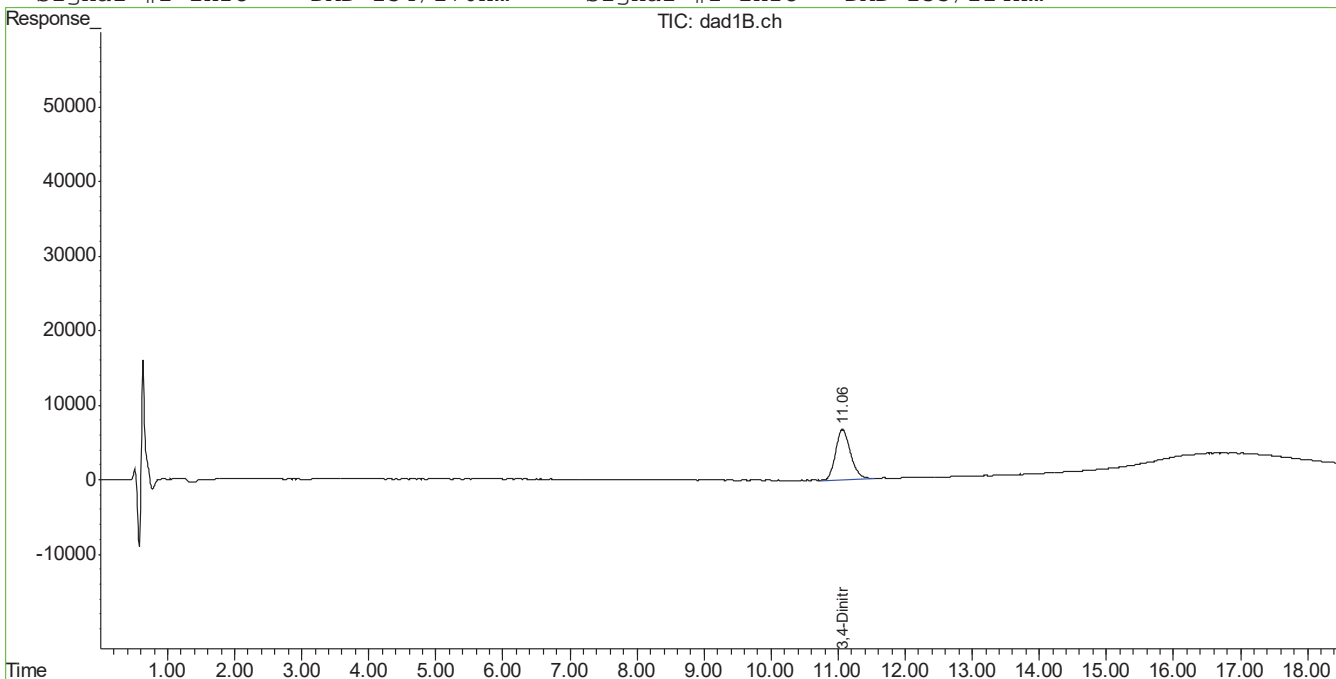
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050506.D 8330B_0224.M Mon Mar 21 08:43:24 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050506.D\dad1B.ch Vial: 76
 Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050506.D\dad1A.ch
 Acq On : 18-Mar-2016, 11:37:31 Operator: kismet1
 Sample : op59727-mb Inst : G1315B
 Misc : op59727,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 21 7:30 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Fri Mar 18 14:09:43 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.2.2
7

Manual Integration Approval Summary

Sample Number: OP59727-MB Method: SW846 8330B
Lab FileID: BB050506.D Analyst approved: 03/21/16 09:06 Kismet Lugo
Injection Time: 03/18/16 11:37 Supervisor approved: 03/21/16 14:23 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
3,4-Dinitrotoluene	610-39-9	1	11.06	Poor instrument integration

7.2.2.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050334.D\dad1B.ch Vial: 43
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050334.D\dad1A.ch
 Acq On : 15-Mar-2016, 08:26:13 Operator: kismet1
 Sample : op59619-bs Inst : G1315B
 Misc : op59619,GBB1423,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 06:50:18 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.17	11.17	1167006	1909429	511.222	525.995
	Spiked Amount	500.000	Range	70 - 136	Recovery	= 102.24%	105.20%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	1.48	1.48	806017	2219793	461.015	454.517
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D.	N.D.
5)	RDX	2.89	2.90	929235	1460437	507.694m	507.042
6)	1,3,5-Trinitrobe	4.59	4.59	1953190	3859341	507.038	512.138
7)	1,3-Dinitrobenze	5.84	5.84	2504125	1792411	493.880	516.956
8)	3,5-Dinitroanili	6.27	6.27	2024679	3647508	447.789	487.075
9)	Nitrobenzene	7.46	7.45	1587473	1567996	531.026	538.825m
10)	Nitroglycerin	0.00	9.24	0	3541584	N.D.	2889.163 #
11)	Tetryl	9.51	9.50	1428085	2325454	534.417	504.633
12)	2,4,6-Trinitroto	9.92	9.92	1706392	1969687	506.437	502.818
13)	2-Amino-4,6-Dini	10.33	10.34	1666378	2400202	552.936	578.580
14)	4-Amino-2,6-Dini	10.86	10.86	1109424	2113887	495.074	520.811
16)	2,4-Dinitrotolue	11.83	11.84	2370121	1469555	515.491	522.732
17)	2,6-Dinitrotolue	12.26	12.27	1431261	1755706	535.085	537.571
18)	o-Nitrotoluene	14.49	14.49	1125698	1560484	524.925m	551.998m
19)	p-Nitrotoluene	14.88	14.88	1745731	1471731	505.315m	545.315m
20)	m-Nitrotoluene	15.42	15.42	1653616	1963090	518.392m	548.706m
21)	PETN	0.00	17.06	0	3877835	N.D. d	2852.106m

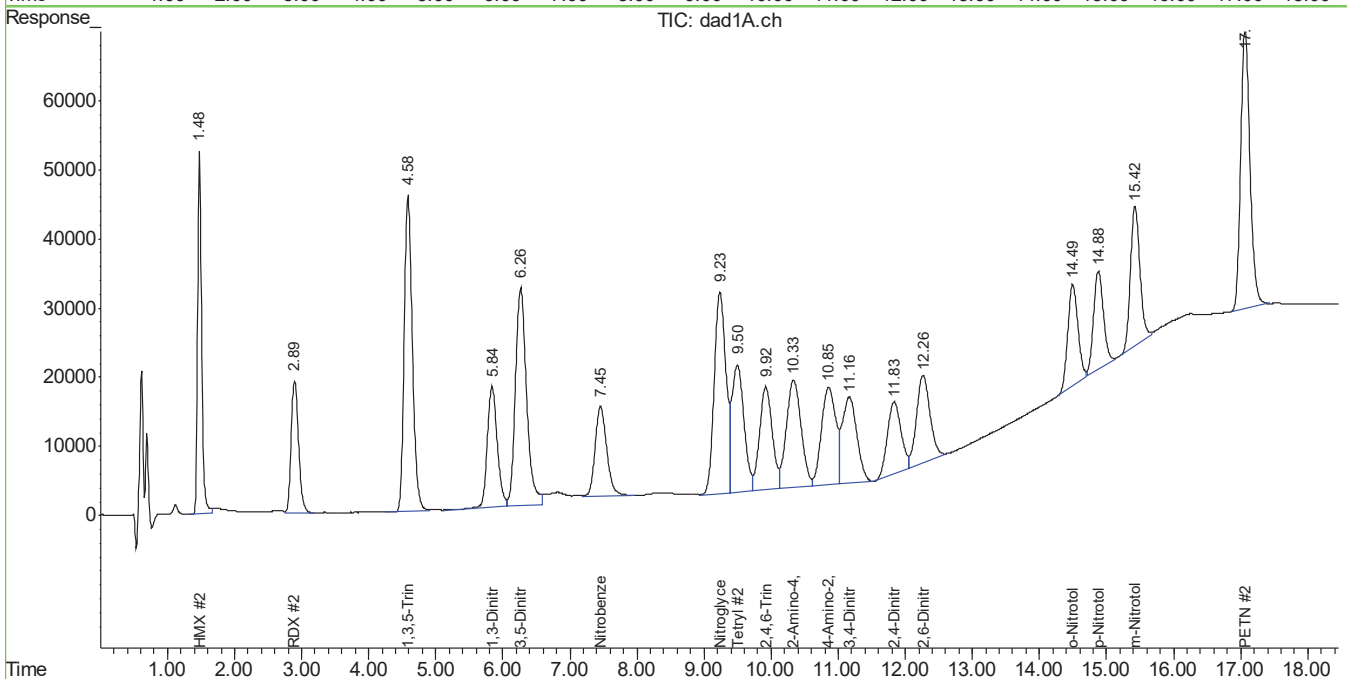
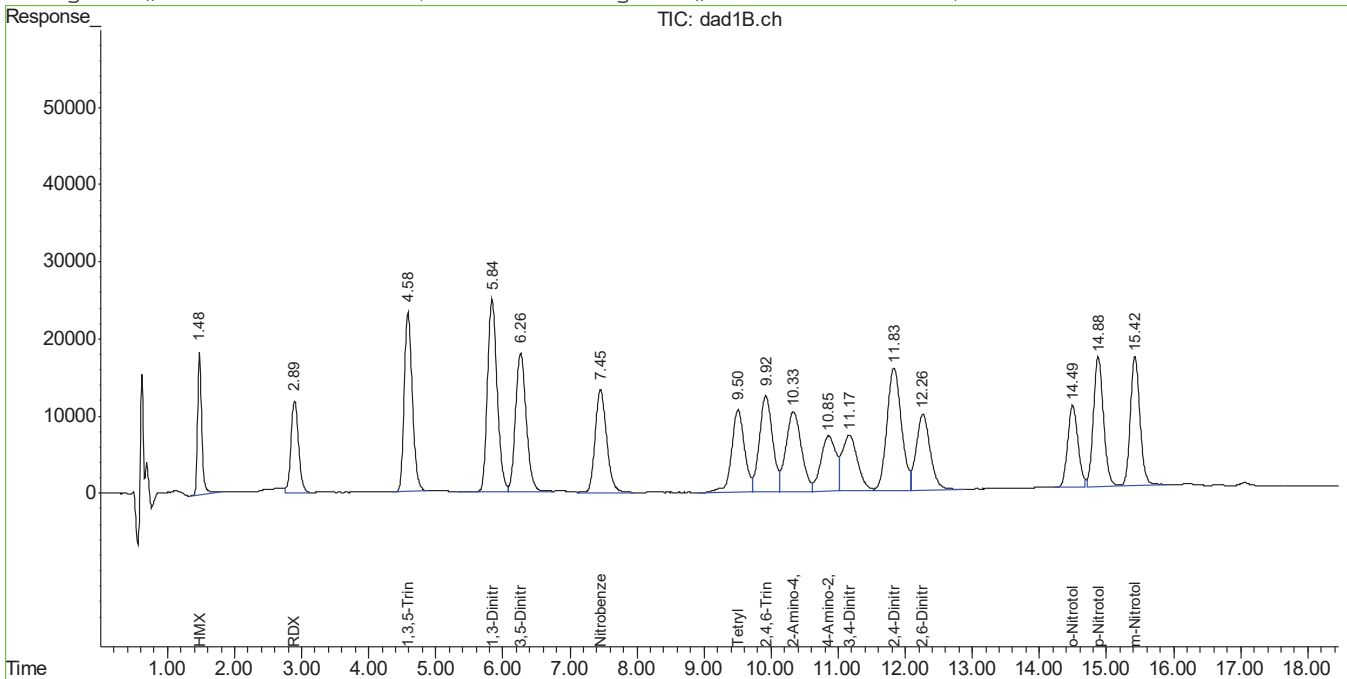
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050334.D 8330B_0224.M Wed Mar 16 09:19:54 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050334.D\dad1B.ch Vial: 43
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050334.D\dad1A.ch
 Acq On : 15-Mar-2016, 08:26:13 Operator: kismet1
 Sample : op59619-bs Inst : G1315B
 Misc : op59619,GBB1423,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 8:16 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



Manual Integration Approval Summary

Sample Number: OP59619-BS **Method:** SW846 8330B
Lab FileID: BB050334.D **Analyst approved:** 03/16/16 09:39 Kismet Lugo
Injection Time: 03/15/16 08:26 **Supervisor approved:** 03/16/16 12:13 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
RDX	121-82-4	1	2.89	Overlapping peak
Nitrobenzene	98-95-3	2	7.45	Poor instrument integration
o-Nitrotoluene	88-72-2	1	14.49	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.49	Poor instrument integration
p-Nitrotoluene	99-99-0	1	14.88	Poor instrument integration
p-Nitrotoluene	99-99-0	2	14.88	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.42	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.42	Poor instrument integration
PETN	78-11-5	2	17.06	Poor instrument integration

7.3.1.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050503.D\dad1B.ch Vial: 73
 Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050503.D\dad1A.ch
 Acq On : 18-Mar-2016, 10:20:58 Operator: kismet1
 Sample : op59727-bs Inst : G1315B
 Misc : op59727,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 18 14:10:06 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Fri Mar 18 14:09:43 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.05	11.05	1074472	1828789	470.687	504.463
	Spiked Amount	500.000	Range	69 - 134	Recovery	=	94.14% 100.89%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	1.46	1.46	786144	2226685	449.649m	455.929
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D.	N.D.
5)	RDX	2.85	2.85	893031	1467211	487.914m	509.394
6)	1,3,5-Trinitrobe	4.50	4.50	1962743	3837108	509.518	509.188
7)	1,3-Dinitrobenze	5.77	5.77	2457514	1728206	484.687	498.438
8)	3,5-Dinitroanili	6.16	6.16	1985790	3427001	439.188	457.630m
9)	Nitrobenzene	7.46	7.46	1595793	1511367	533.809	519.365m
10)	Nitroglycerin	0.00	9.11	0	2951103	N.D.	2407.458 #
11)	Tetryl	9.36	9.35	1408269	2363318	527.001	512.850
12)	2,4,6-Trinitroto	9.76	9.76	1576982	1882311	468.030	480.513
13)	2-Amino-4,6-Dini	10.17	10.17	1638354	2430666	543.887	585.923
14)	4-Amino-2,6-Dini	10.70	10.70	1098856	2183929	490.358	537.305
16)	2,4-Dinitrotolue	11.72	11.72	2328869	1475321	506.519	524.783
17)	2,6-Dinitrotolue	12.19	12.19	1343642	1701078	502.328	520.845
18)	o-Nitrotoluene	14.54	14.54	1125852	1577537	524.997m	558.030m
19)	p-Nitrotoluene	14.89	14.90	1751005	1492528	506.842m	553.021m
20)	m-Nitrotoluene	15.45	15.46	1652564	1937571	518.062m	541.573m
21)	PETN	0.00	16.97	0	3320429	N.D. d	2442.140m

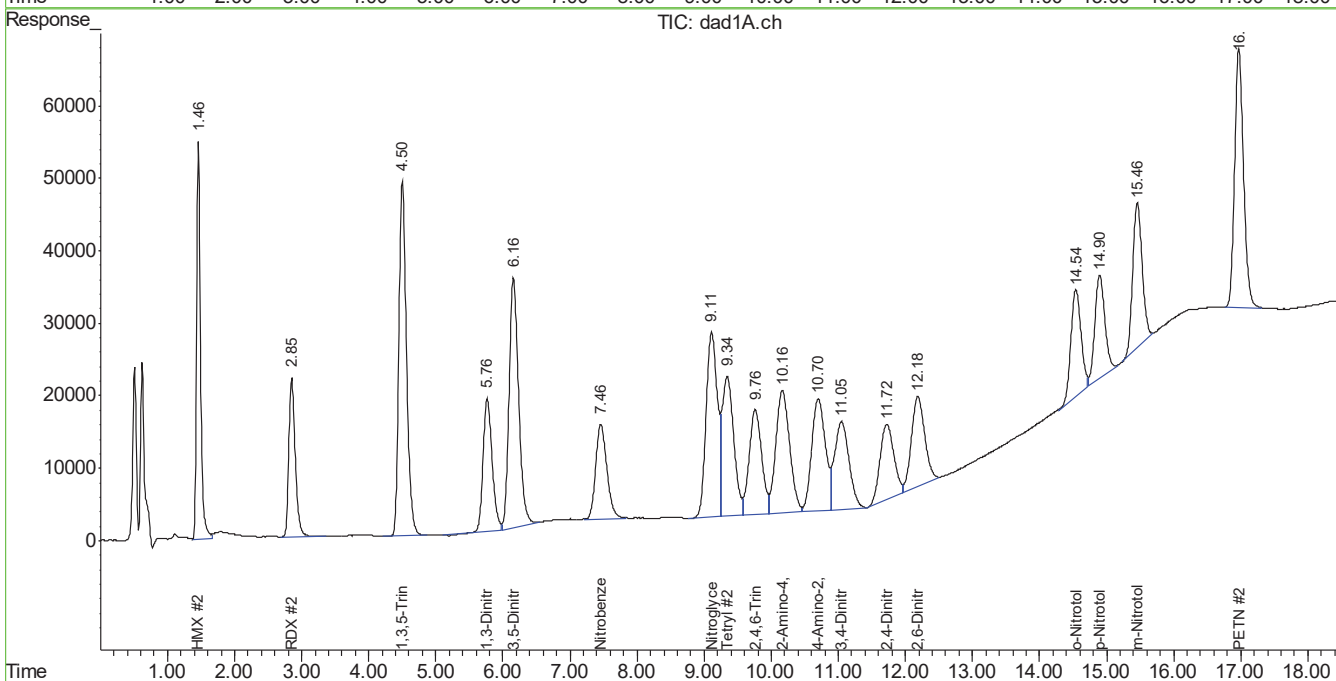
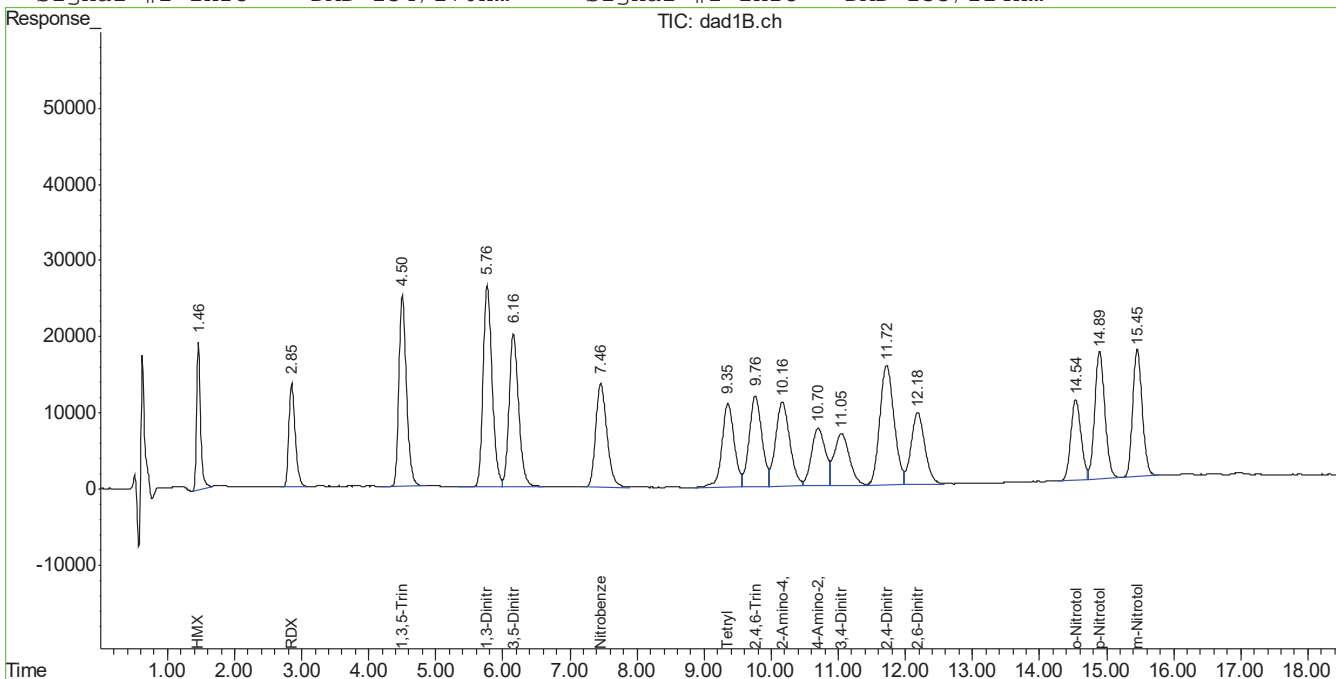
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050503.D 8330B_0224.M Mon Mar 21 08:43:21 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050503.D\dad1B.ch Vial: 73
 Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050503.D\dad1A.ch
 Acq On : 18-Mar-2016, 10:20:58 Operator: kismet1
 Sample : op59727-bs Inst : G1315B
 Misc : op59727,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 21 7:23 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Fri Mar 18 14:09:43 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.3.2
7

Manual Integration Approval Summary

Sample Number: OP59727-BS Method: SW846 8330B
Lab FileID: BB050503.D Analyst approved: 03/21/16 09:06 Kismet Lugo
Injection Time: 03/18/16 10:20 Supervisor approved: 03/21/16 14:23 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
HMX	2691-41-0	1	1.46	Poor instrument integration
RDX	121-82-4	1	2.85	Poor instrument integration
3,5-Dinitroaniline	618-87-1	2	6.16	Poor instrument integration
Nitrobenzene	98-95-3	2	7.46	Poor instrument integration
o-Nitrotoluene	88-72-2	1	14.54	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.54	Poor instrument integration
p-Nitrotoluene	99-99-0	1	14.89	Poor instrument integration
p-Nitrotoluene	99-99-0	2	14.90	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.45	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.46	Poor instrument integration
PETN	78-11-5	2	16.97	Poor instrument integration

7.3.2.1

7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050504.D\dad1B.ch Vial: 74
 Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050504.D\dad1A.ch
 Acq On : 18-Mar-2016, 10:46:34 Operator: kismet1
 Sample : op59727-pt1 Inst : G1315B
 Misc : op59727,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 18 14:10:07 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Fri Mar 18 14:09:43 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.06	11.06	188105	261970	82.402	74.271
	Spiked Amount	500.000	Range	69 - 134	Recovery	=	16.48%# 14.85%#

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	1.46	1.46	166526	459758	95.247m	94.139m
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D. d	N.D. d
5)	RDX	2.85	2.85	178715	321793	97.642	111.722
6)	1,3,5-Trinitrobe	4.50	4.50	543859	1079498	141.183	143.250
7)	1,3-Dinitrobenze	5.77	5.77	1003032	675307	197.824	194.768m
8)	3,5-Dinitroanili	6.16	6.15	2045980	3468146	452.500	463.124m
9)	Nitrobenzene	7.46	7.46	709481	662489	237.329	227.657m
10)	Nitroglycerin	0.00	9.12	0	183119	N.D.	149.386m#
11)	Tetryl	9.36	9.35	810302	1399976	303.231	303.800m
12)	2,4,6-Trinitroto	9.77	9.76	421740	534416	125.167	136.425m
13)	2-Amino-4,6-Dini	10.17	10.17	352127	558738	119.480	134.687
14)	4-Amino-2,6-Dini	10.70	10.70	285770	555983	127.523	141.597
16)	2,4-Dinitrotolue	11.72	11.74	552388	297178	120.142	105.708m
17)	2,6-Dinitrotolue	12.19	12.19	697800	834826	260.876	255.611
18)	o-Nitrotoluene	14.54	14.52	559696	937616	260.992m	331.668m
19)	p-Nitrotoluene	14.90	14.90	1219970	1023379	353.130m	379.189m
20)	m-Nitrotoluene	15.46	15.46	587272	665826	184.104m	186.106m
21)	PETN	0.00	16.98	0	254442	N.D. d	187.139m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050504.D 8330B_0224.M Tue Mar 22 09:53:05 2016

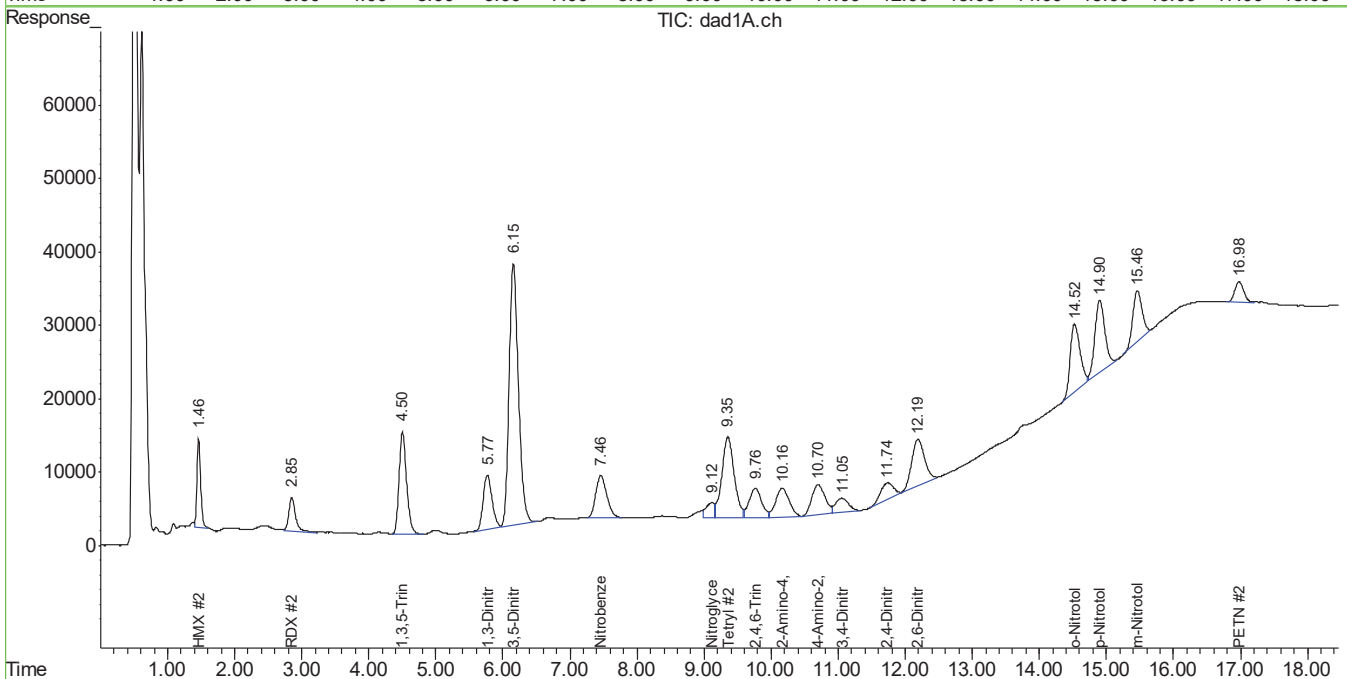
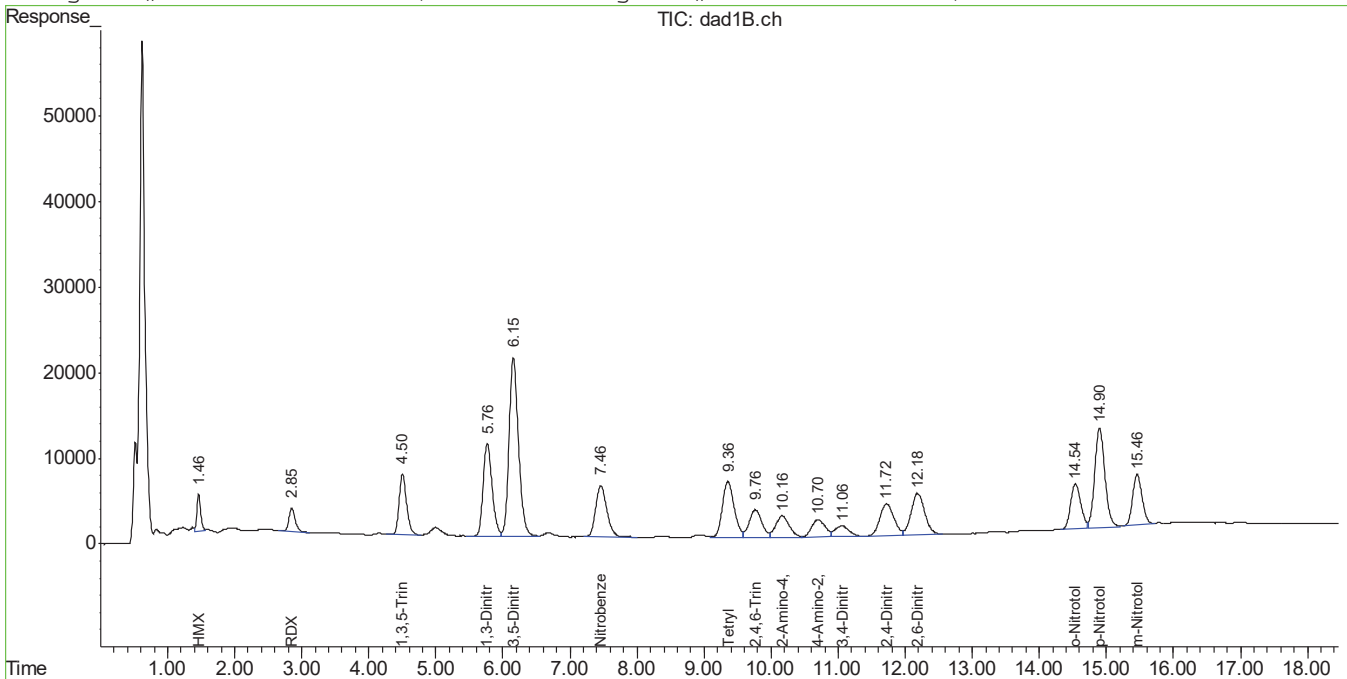
7.4.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050504.D\dad1B.ch Vial: 74
 Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050504.D\dad1A.ch
 Acq On : 18-Mar-2016, 10:46:34 Operator: kismet1
 Sample : op59727-pt1 Inst : G1315B
 Misc : op59727,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 21 7:27 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Fri Mar 18 14:09:43 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.4.1
7

Manual Integration Approval Summary

Sample Number: OP59727-PT1 **Method:** SW846 8330B
Lab FileID: BB050504.D **Analyst approved:** 03/22/16 09:55 Kismet Lugo
Injection Time: 03/18/16 10:46 **Supervisor approved:** 03/22/16 10:04 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
HMX	2691-41-0	1	1.46	Poor instrument integration
HMX	2691-41-0	2	1.46	Poor instrument integration
1,3-Dinitrobenzene	99-65-0	2	5.77	Poor instrument integration
3,5-Dinitroaniline	618-87-1	2	6.15	Poor instrument integration
Nitrobenzene	98-95-3	2	7.46	Poor instrument integration
Nitroglycerine	55-63-0	2	9.12	Poor instrument integration
Tetryl	479-45-8	2	9.35	Poor instrument integration
2,4,6-Trinitrotoluene	118-96-7	2	9.76	Poor instrument integration
2,4-Dinitrotoluene	121-14-2	2	11.74	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.52	Poor instrument integration
o-Nitrotoluene	88-72-2	1	14.54	Poor instrument integration
p-Nitrotoluene	99-99-0	1	14.90	Poor instrument integration
p-Nitrotoluene	99-99-0	2	14.90	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.46	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.46	Poor instrument integration
PETN	78-11-5	2	16.98	Poor instrument integration

7.4.1.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050508.D\dad1B.ch Vial: 78
 Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050508.D\dad1A.ch
 Acq On : 18-Mar-2016, 12:28:33 Operator: kismet1
 Sample : op59727-ms Inst : G1315B
 Misc : op59727,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 18 14:10:11 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Fri Mar 18 14:09:43 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.06	11.07	1001528	1698850	438.733	469.647
	Spiked Amount	500.000	Range	69 - 134	Recovery	=	87.75% 93.93%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	1.46	1.46	773018	2204055	442.142m	451.295m
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D.	N.D.
5)	RDX	2.85	2.85	872065	1407137	476.459	488.537
6)	1,3,5-Trinitrobe	4.51	4.50	1773021	3484031	460.267	462.334
7)	1,3-Dinitrobenze	5.77	5.77	2355444	1692898	464.556	488.255
8)	3,5-Dinitroanili	6.16	6.16	1783955	3009631	394.549	401.896m
9)	Nitrobenzene	7.47	7.47	1516315	1447633	507.223m	497.463m
10)	Nitroglycerin	0.00	9.12	0	2909306	N.D.	2373.361 #
11)	Tetryl	9.37	9.36	1281672	2165368	479.626	469.894
12)	2,4,6-Trinitroto	9.78	9.78	1464783	1731936	434.730	442.125
13)	2-Amino-4,6-Dini	10.18	10.18	1461475	2144627	486.589	516.972
14)	4-Amino-2,6-Dini	10.71	10.71	976865	1940433	435.920	479.769
16)	2,4-Dinitrotolue	11.74	11.74	2178150	1391290	473.738	494.893
17)	2,6-Dinitrotolue	12.20	12.20	1276165	1682902	477.102	515.279
18)	o-Nitrotoluene	14.55	14.55	1078935	1517846	503.119m	536.916m
19)	p-Nitrotoluene	14.91	14.91	1655545	1410994	479.210m	522.810m
20)	m-Nitrotoluene	15.47	15.47	1610416	1900267	504.849m	531.146m
21)	PETN	0.00	16.98	0	3179919	N.D. d	2338.796m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050508.D 8330B_0224.M Mon Mar 21 08:43:26 2016

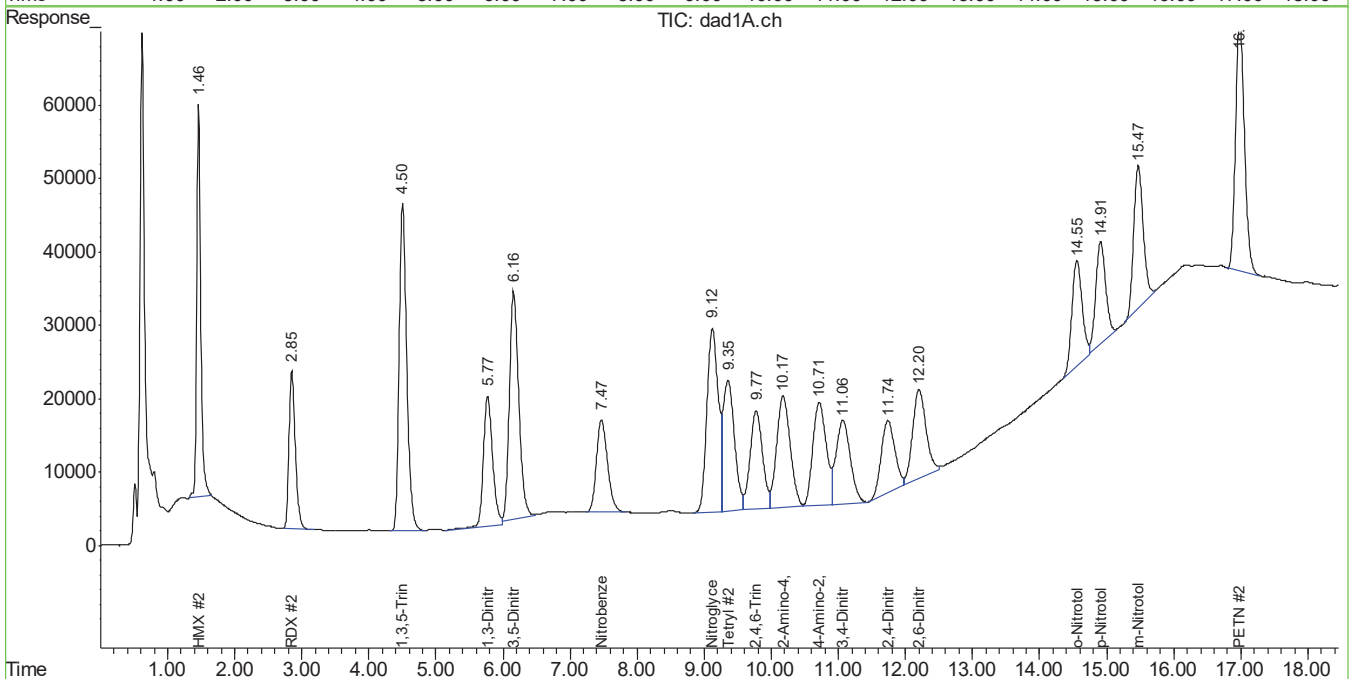
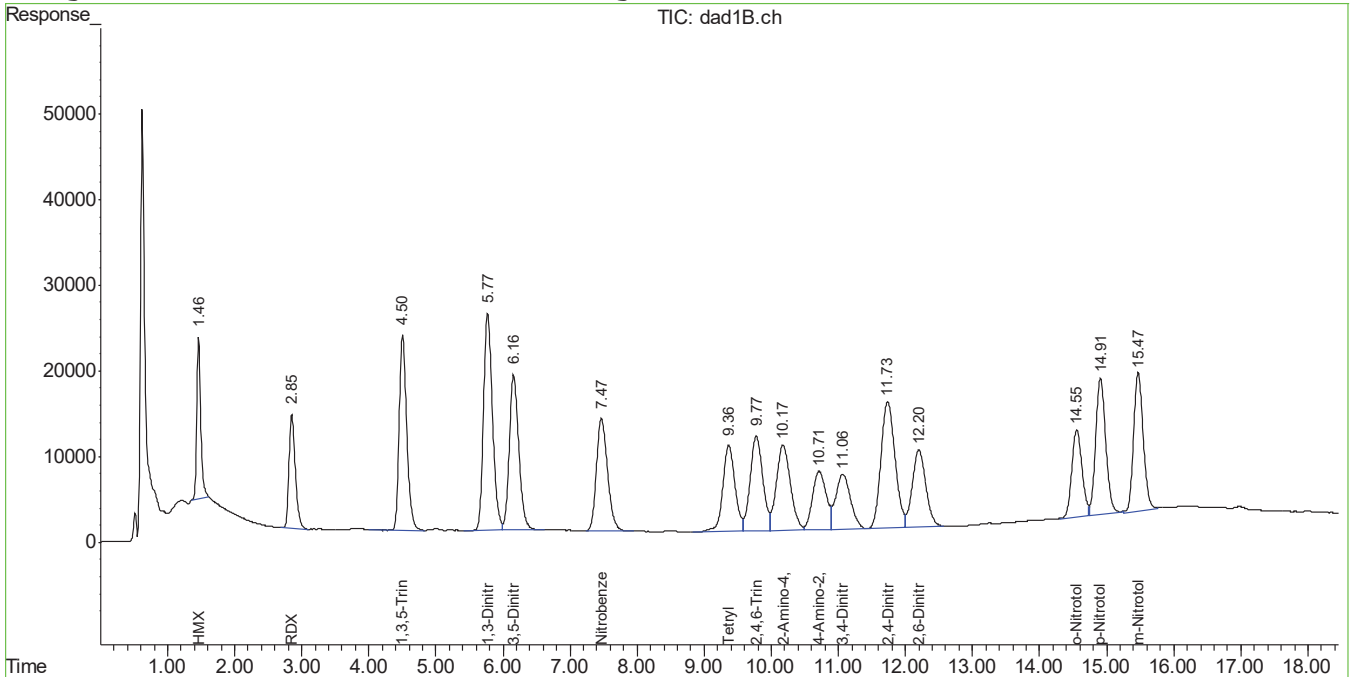
7.5.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050508.D\dad1B.ch Vial: 78
 Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050508.D\dad1A.ch
 Acq On : 18-Mar-2016, 12:28:33 Operator: kismet1
 Sample : op59727-ms Inst : G1315B
 Misc : op59727,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 21 7:33 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Fri Mar 18 14:09:43 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.5.1
 7

Manual Integration Approval Summary

Sample Number: OP59727-MS **Method:** SW846 8330B
Lab FileID: BB050508.D **Analyst approved:** 03/21/16 09:41 Kismet Lugo
Injection Time: 03/18/16 12:28 **Supervisor approved:** 03/21/16 14:23 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
HMX	2691-41-0	1	1.46	Poor instrument integration
HMX	2691-41-0	2	1.46	Poor instrument integration
3,5-Dinitroaniline	618-87-1	2	6.16	Poor instrument integration
Nitrobenzene	98-95-3	1	7.47	Poor instrument integration
Nitrobenzene	98-95-3	2	7.47	Poor instrument integration
o-Nitrotoluene	88-72-2	1	14.55	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.55	Poor instrument integration
p-Nitrotoluene	99-99-0	1	14.91	Poor instrument integration
p-Nitrotoluene	99-99-0	2	14.91	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.47	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.47	Poor instrument integration
PETN	78-11-5	2	16.98	Poor instrument integration

7.5.1.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050512.D\dad1B.ch Vial: 79
 Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050512.D\dad1A.ch
 Acq On : 18-Mar-2016, 14:17:31 Operator: kismet1
 Sample : op59727-msd Inst : G1315B
 Misc : op59727,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 21 06:36:59 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Fri Mar 18 14:09:43 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
15) S 3,4-Dinitrotolue	11.09	11.09	984805	1682126	431.407	465.156
Spiked Amount	500.000	Range	69 - 134	Recovery	=	86.28% 93.03%
Target Compounds						
1) TNX	0.00	0.00	0	0	N.D. d	N.D. d
2) HMX	1.46	1.46	805976	2181595	460.993m	446.696m
3) DNX	0.00	0.00	0	0	N.D. d	N.D. d
4) MNX	0.00	0.00	0	0	N.D.	N.D.
5) RDX	2.85	2.85	865942	1404544	473.113	487.637
6) 1,3,5-Trinitrobo	4.51	4.51	1772746	3463093	460.196	459.556
7) 1,3-Dinitrobenze	5.78	5.78	2350644	1708317	463.609	492.702
8) 3,5-Dinitroanili	6.17	6.16	1779134	3006435	393.483	401.469m
9) Nitrobenzene	7.48	7.48	1527303	1464725	510.898	503.337m
10) Nitroglycerin	0.00	9.13	0	2871727	N.D.	2342.705 #
11) Tetryl	9.38	9.37	1278636	2141942	478.490	464.810
12) 2,4,6-Trinitroto	9.79	9.79	1448774	1705656	429.979	435.417
13) 2-Amino-4,6-Dini	10.19	10.19	1443428	2111125	480.725	508.897
14) 4-Amino-2,6-Dini	10.73	10.73	967611	1912040	431.791	473.024
16) 2,4-Dinitrotolue	11.75	11.76	2159906	1389845	469.770	494.379
17) 2,6-Dinitrotolue	12.22	12.22	1274818	1690105	476.598	517.485
18) o-Nitrotoluene	14.57	14.57	1079792	1487457	503.519m	526.166m
19) p-Nitrotoluene	14.92	14.92	1676290	1412920	485.215m	523.524m
20) m-Nitrotoluene	15.49	15.48	1615257	1920011	506.366m	536.665m
21) PETN	0.00	17.00	0	3143074	N.D. d	2311.697m

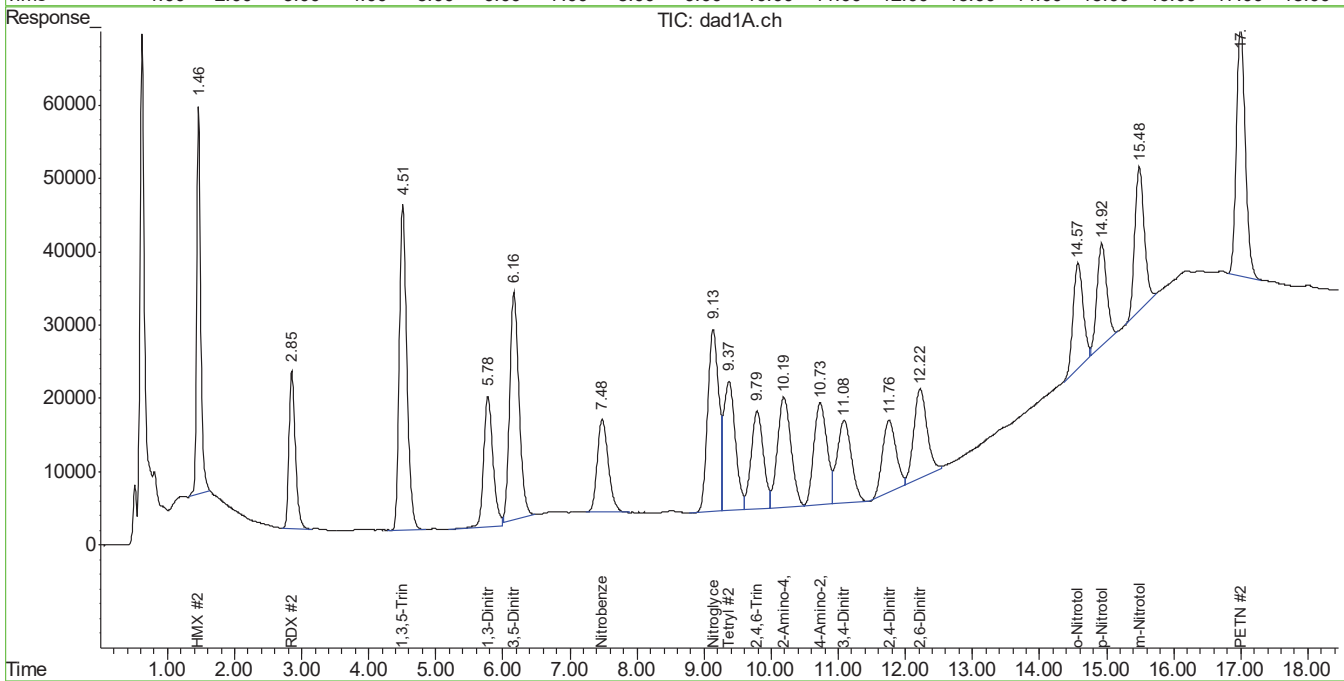
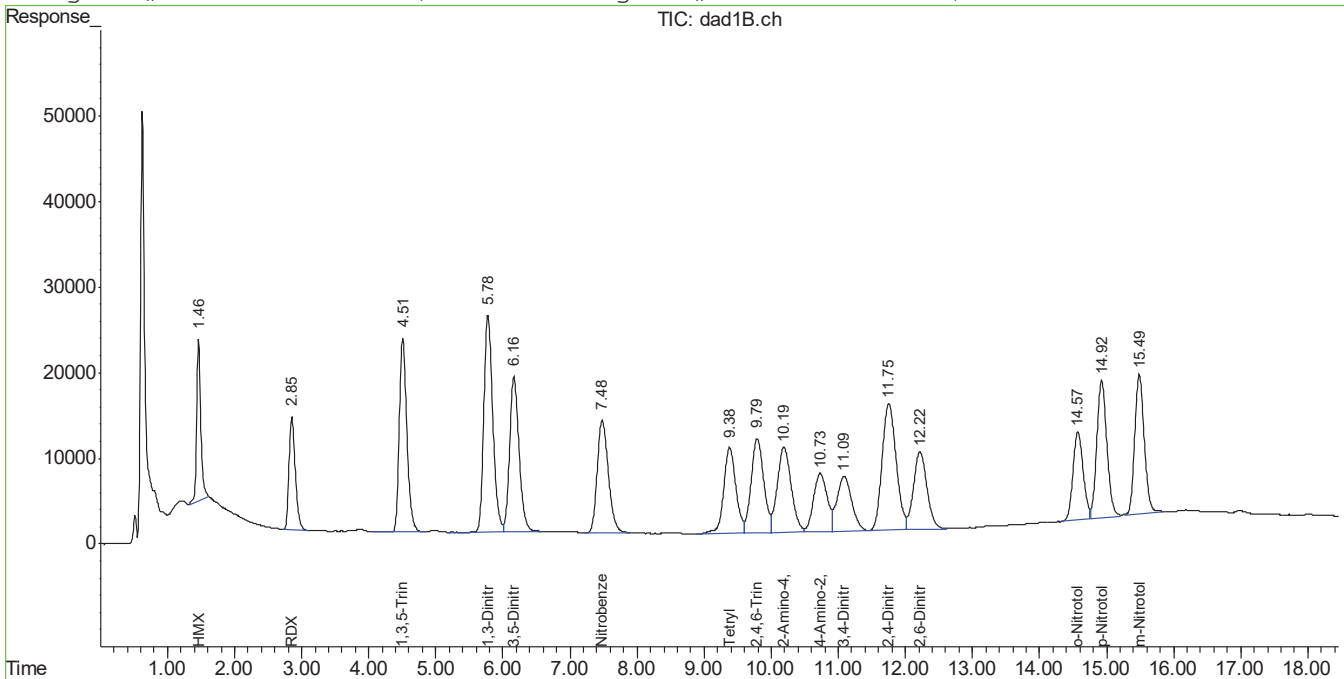
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050512.D 8330B_0224.M Mon Mar 21 08:43:30 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050512.D\dad1B.ch Vial: 79
 Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050512.D\dad1A.ch
 Acq On : 18-Mar-2016, 14:17:31 Operator: kismet1
 Sample : op59727-msd Inst : G1315B
 Misc : op59727,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 21 7:35 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Fri Mar 18 14:09:43 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.5.2
7

Manual Integration Approval Summary

Sample Number: OP59727-MSD **Method:** SW846 8330B
Lab FileID: BB050512.D **Analyst approved:** 03/21/16 09:41 Kismet Lugo
Injection Time: 03/18/16 14:17 **Supervisor approved:** 03/21/16 14:23 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
HMX	2691-41-0	1	1.46	Poor instrument integration
HMX	2691-41-0	2	1.46	Poor instrument integration
3,5-Dinitroaniline	618-87-1	2	6.16	Poor instrument integration
Nitrobenzene	98-95-3	2	7.48	Poor instrument integration
o-Nitrotoluene	88-72-2	1	14.57	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.57	Poor instrument integration
p-Nitrotoluene	99-99-0	1	14.92	Poor instrument integration
p-Nitrotoluene	99-99-0	2	14.92	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.48	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.49	Poor instrument integration
PETN	78-11-5	2	17.00	Poor instrument integration

7.5.2.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050520.D\dad1B.ch Vial: 87
 Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050520.D\dad1A.ch
 Acq On : 18-Mar-2016, 17:41:17 Operator: kismet1
 Sample : op59727-dup Inst : G1315B
 Misc : op59727,GBB1426,10.1,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 21 06:37:07 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Fri Mar 18 14:09:43 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.13	11.13	961558	1662266	421.223	459.818m
	Spiked Amount	500.000	Range	69 - 134	Recovery	=	84.24% 91.96%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	0.00	0.00	0	0	N.D. d	N.D. d
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D.	N.D.
5)	RDX	0.00	0.00	0	0	N.D.	N.D.
6)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D.	N.D.
7)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D.	N.D.
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D.	N.D.
9)	Nitrobenzene	0.00	0.00	0	0	N.D.	N.D.
10)	Nitroglycerin	0.00	0.00	0	0	N.D.	N.D.
11)	Tetryl	0.00	0.00	0	0	N.D.	N.D.
12)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
13)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
14)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
16)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
17)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D.	N.D.
18)	o-Nitrotoluene	0.00	0.00	0	0	N.D.	N.D.
19)	p-Nitrotoluene	0.00	0.00	0	0	N.D.	N.D.
20)	m-Nitrotoluene	0.00	0.00	0	0	N.D.	N.D.
21)	PETN	0.00	0.00	0	0	N.D.	N.D.

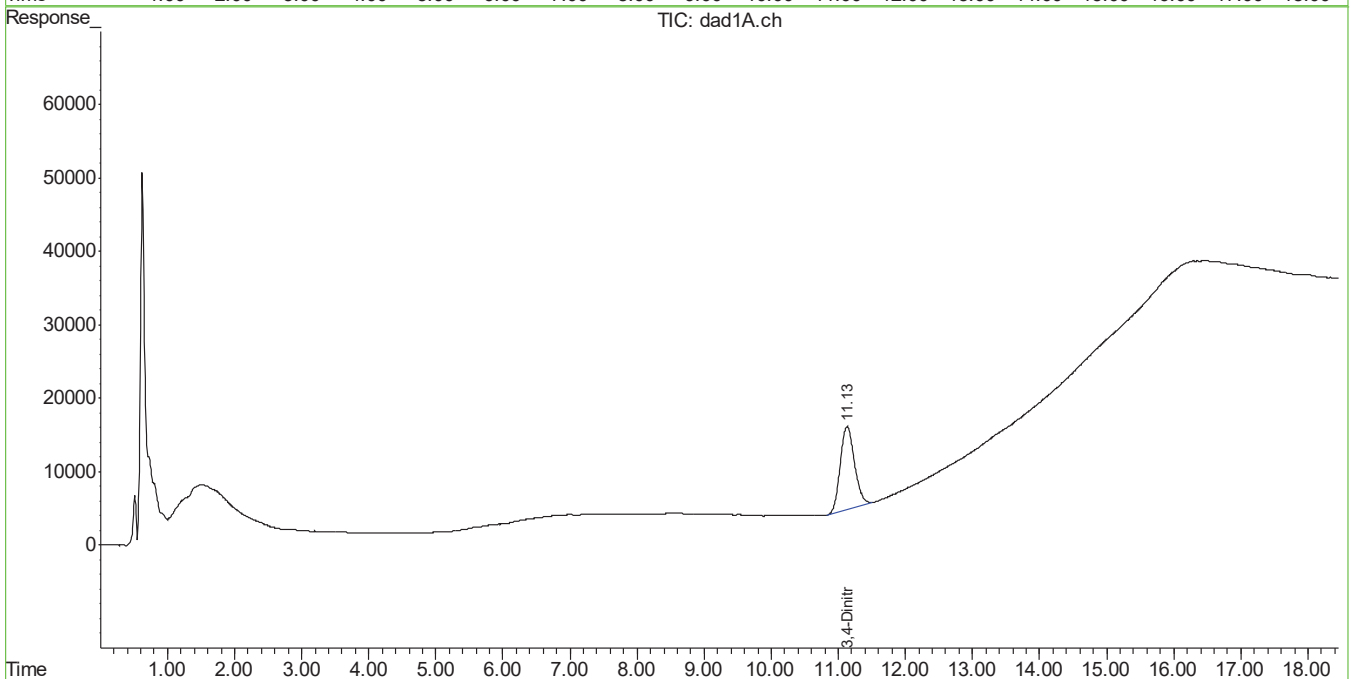
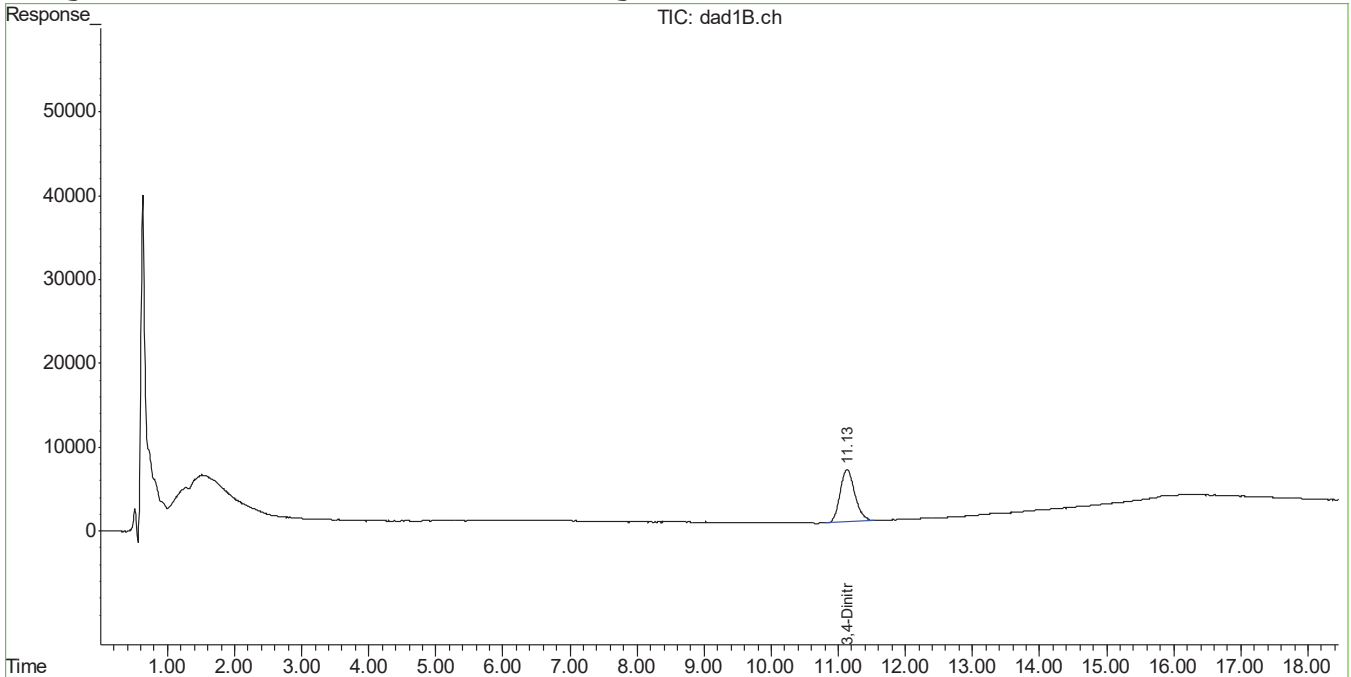
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050520.D 8330B_0224.M Mon Mar 21 08:43:38 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050520.D\dad1B.ch Vial: 87
Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050520.D\dad1A.ch
Acq On : 18-Mar-2016, 17:41:17 Operator: kismet1
Sample : op59727-dup Inst : G1315B
Misc : op59727,GBB1426,10.1,,,50,1,soil Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 21 7:42 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Fri Mar 18 14:09:43 2016
Response via : Multiple Level Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.6.1
7

Manual Integration Approval Summary

Sample Number: OP59727-DUP Method: SW846 8330B
Lab FileID: BB050520.D Analyst approved: 03/21/16 09:41 Kismet Lugo
Injection Time: 03/18/16 17:41 Supervisor approved: 03/21/16 14:23 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
3,4-Dinitrotoluene	610-39-9	2	11.13	Poor instrument integration

7.6.1.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050521.D\dad1B.ch Vial: 88
 Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050521.D\dad1A.ch
 Acq On : 18-Mar-2016, 18:06:46 Operator: kismet1
 Sample : op59727-dup2 Inst : G1315B
 Misc : op59727,GBB1426,10.1,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 21 06:37:08 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Fri Mar 18 14:09:43 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.13	11.13	964321	1663134	422.434	460.052m
	Spiked Amount	500.000	Range	69 - 134	Recovery	=	84.49% 92.01%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	0.00	0.00	0	0	N.D. d	N.D. d
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D. d	N.D. d
5)	RDX	0.00	0.00	0	0	N.D. d	N.D. d
6)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D. d	N.D. d
7)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D. d	N.D. d
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D. d	N.D. d
9)	Nitrobenzene	0.00	0.00	0	0	N.D. d	N.D. d
10)	Nitroglycerin	0.00	0.00	0	0	N.D. d	N.D. d
11)	Tetryl	0.00	0.00	0	0	N.D.	N.D.
12)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
13)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
14)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
16)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
17)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
18)	o-Nitrotoluene	0.00	0.00	0	0	N.D.	N.D.
19)	p-Nitrotoluene	0.00	0.00	0	0	N.D.	N.D.
20)	m-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
21)	PETN	0.00	0.00	0	0	N.D. d	N.D. d

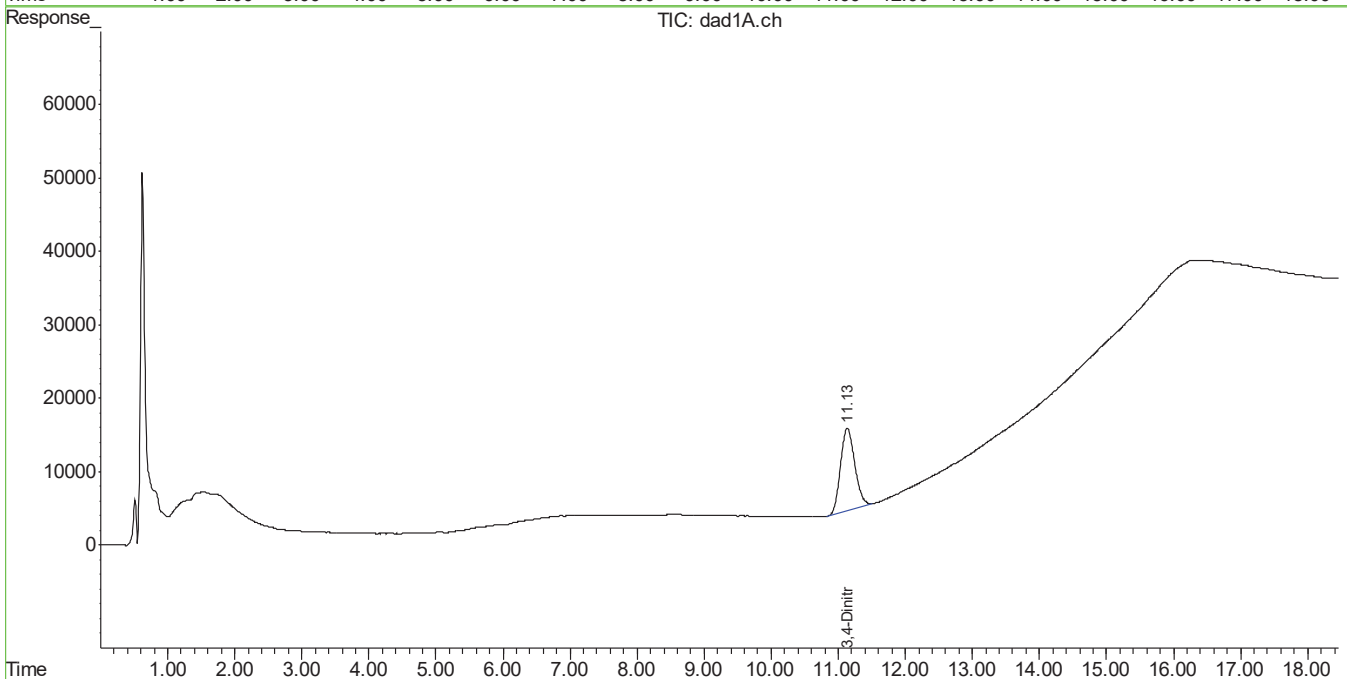
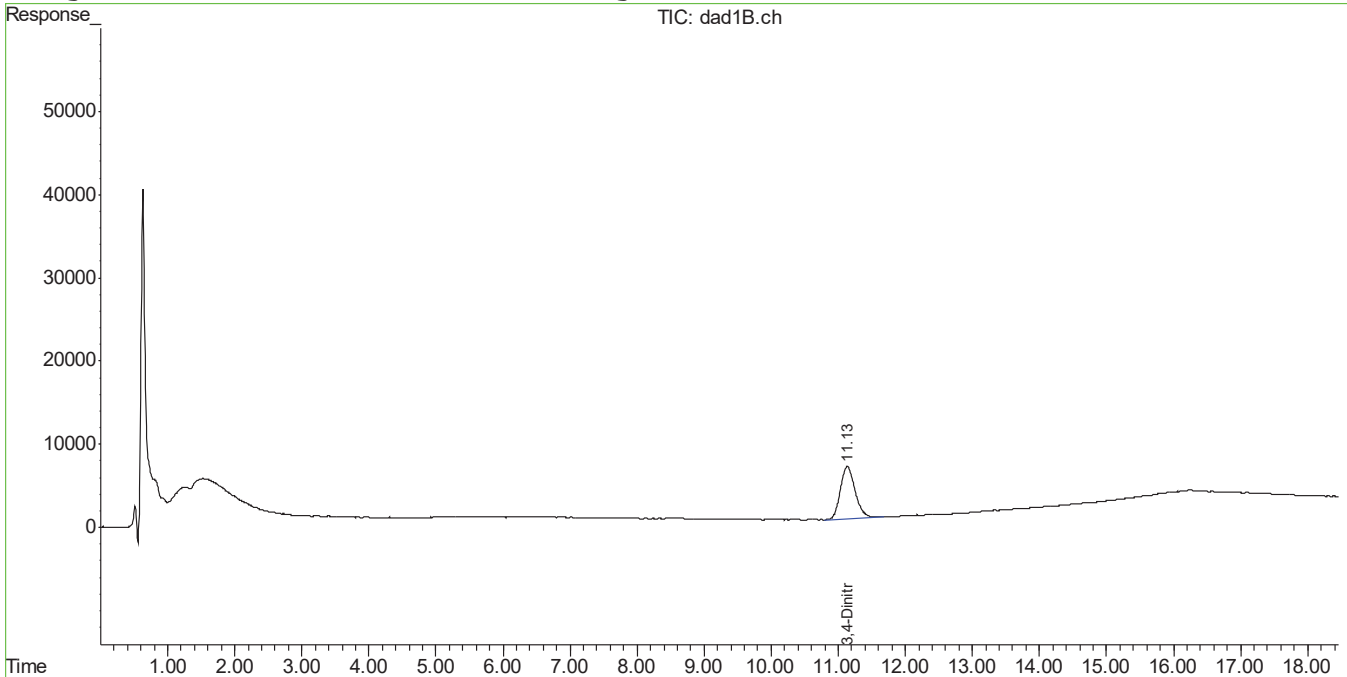
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050521.D 8330B_0224.M Mon Mar 21 08:43:39 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050521.D\dad1B.ch Vial: 88
 Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050521.D\dad1A.ch
 Acq On : 18-Mar-2016, 18:06:46 Operator: kismet1
 Sample : op59727-dup2 Inst : G1315B
 Misc : op59727,GBB1426,10.1,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 21 7:43 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Fri Mar 18 14:09:43 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



Manual Integration Approval Summary

Sample Number: OP59727-DUP2 Method: SW846 8330B
Lab FileID: BB050521.D Analyst approved: 03/21/16 09:41 Kismet Lugo
Injection Time: 03/18/16 18:06 Supervisor approved: 03/21/16 14:23 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
3,4-Dinitrotoluene	610-39-9	2	11.13	Poor instrument integration

7.6.2.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0224BPL\BB049966.D\dad1B.ch Vial: 11
 Signal #2 : C:\HPCHEM\1\DATA\0224BPL\BB049966.D\dad1A.ch
 Acq On : 24-Feb-2016, 11:53:24 Operator: kismet1
 Sample : ic1412-20 Inst : G1315B
 Misc : op59454,GBB1412,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Feb 25 07:10:49 2016 Quant Results File: 8330B_0208.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0208.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Feb 25 07:10:36 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.60	11.68	58156	38346	27.590m	10.848m#
	Spiked Amount	500.000	Range 70 - 136	Recovery	=	5.52%#	2.17%#

Target Compounds

1)	TNX	1.37	1.38	59578	81603	19.532m	17.909m
2)	HMX	1.43	1.45	33173	87948	19.345m	17.886m
3)	DNX	1.77	1.77	67325	180289	23.007m	41.565m#
4)	MNX	2.36	2.36	43971	72392	18.725m	19.915m
5)	RDX	2.98	2.98	42708	59876	23.177m	20.172m
6)	1,3,5-Trinitrobe	4.74	4.74	78814	153368	19.837	19.604
7)	1,3-Dinitrobenze	6.03	6.05	96861	67435	18.689m	18.997m
8)	3,5-Dinitroanili	6.49	6.48	92096	145301	19.621	18.438m
9)	Nitrobenzene	7.71	7.71	60898	63693	19.391	21.695m
10)	Nitroglycerin	0.00	9.54	0	116423	N.D.	93.768 #
11)	Tetryl	9.86	9.85	49308	89668	16.937	18.412
12)	2,4,6-Trinitroto	10.25	10.28	62052	68597	17.537	16.370
13)	2-Amino-4,6-Dini	10.74	10.76	49201	70095	16.176	15.676
14)	4-Amino-2,6-Dini	11.33	11.34	48810	42121	21.996m	10.920m#
16)	2,4-Dinitrotolue	12.21	12.21	91395	51880	19.158m	18.090m
17)	2,6-Dinitrotolue	12.62	12.70	53921	54911	20.108m	17.141m
18)	o-Nitrotoluene	14.78	14.82	41528	51852	18.897m	17.562m
19)	p-Nitrotoluene	15.15	15.14	66143	47598	18.637m	16.954m
20)	m-Nitrotoluene	15.67	15.70	62873	65528	19.211m	17.982m
21)	PETN	0.00	17.29	0	121751	N.D. d	89.436m

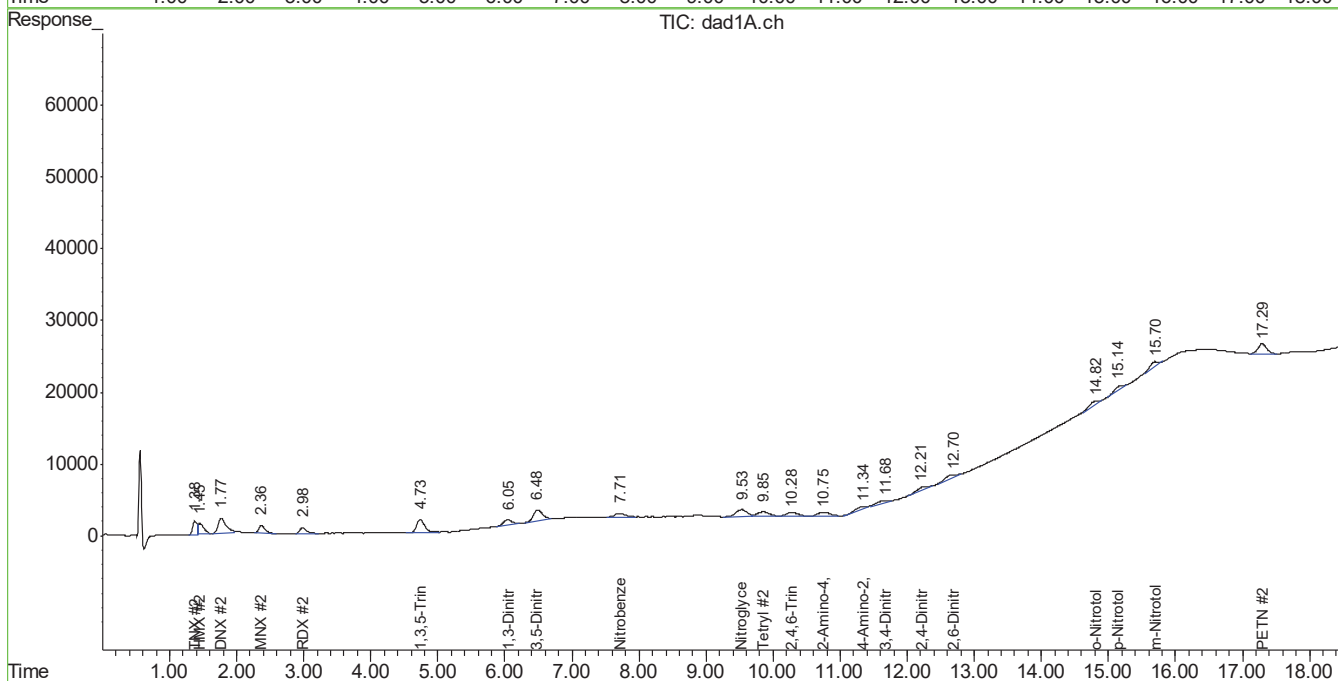
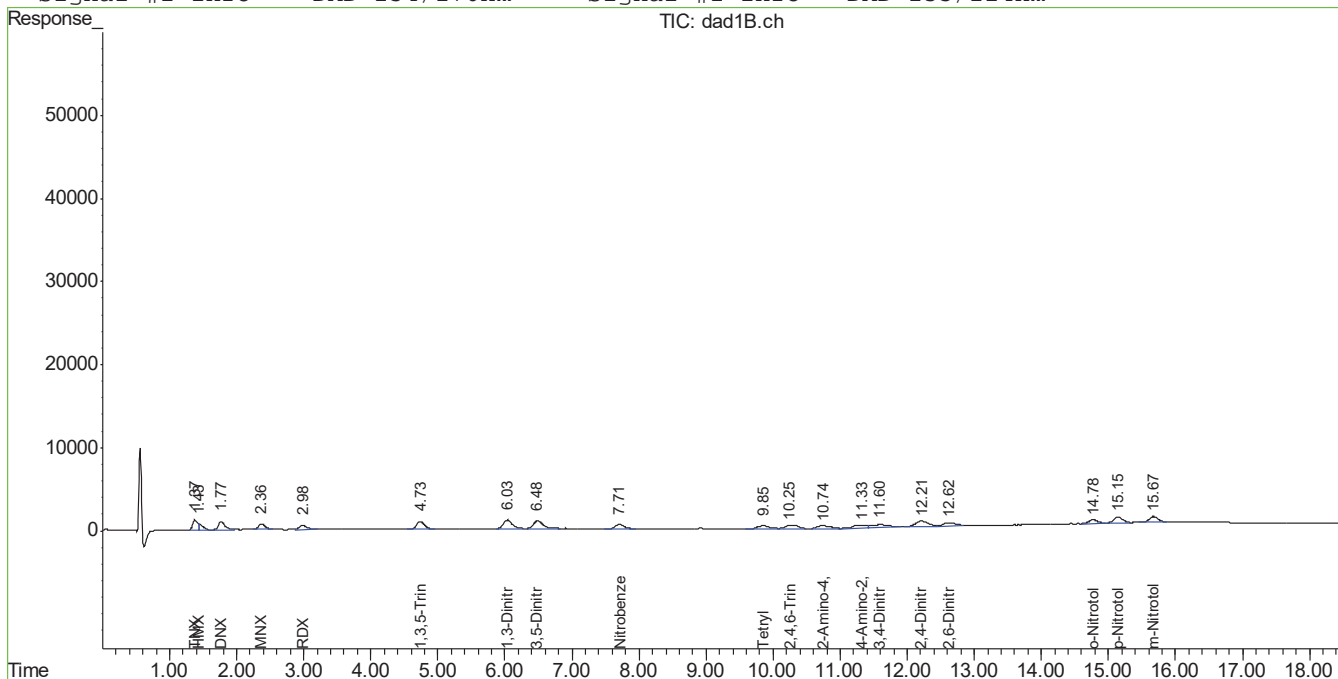
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB049966.D 8330B_0224.M Thu Feb 25 09:28:06 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0224BPL\BB049966.D\dad1B.ch Vial: 11
 Signal #2 : C:\HPCHEM\1\DATA\0224BPL\BB049966.D\dad1A.ch
 Acq On : 24-Feb-2016, 11:53:24 Operator: kismet1
 Sample : ic1412-20 Inst : G1315B
 Misc : op59454,GBB1412,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Feb 25 9:27 2016 Quant Results File: 8330B_0208.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0208.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Feb 25 07:10:36 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



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7

Manual Integration Approval Summary

Sample Number: GBB1412-IC1412 **Method:** SW846 8330A
Lab FileID: BB049966.D **Analyst approved:** 02/25/16 13:49 Kismet Lugo
Injection Time: 02/24/16 11:53 **Supervisor approved:** 02/26/16 12:48 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
TNX		1	1.37	Poor instrument integration
TNX		2	1.38	Poor instrument integration
HMX	2691-41-0	1	1.43	Overlapping peak
HMX	2691-41-0	2	1.45	Overlapping peak
DNX		1	1.77	Overlapping peak
DNX		2	1.77	Overlapping peak
MNX		1	2.36	Poor instrument integration
MNX		2	2.36	Poor instrument integration
RDX	121-82-4	1	2.98	Poor instrument integration
RDX	121-82-4	2	2.98	Poor instrument integration
1,3-Dinitrobenzene	99-65-0	1	6.03	Poor instrument integration
1,3-Dinitrobenzene	99-65-0	2	6.05	Poor instrument integration
3,5-Dinitroaniline	618-87-1	2	6.48	Poor instrument integration
Nitrobenzene	98-95-3	2	7.71	Poor instrument integration
4-amino-2,6-Dinitrotoluene	19406-51-0	1	11.33	Poor instrument integration
4-amino-2,6-Dinitrotoluene	19406-51-0	2	11.34	Poor instrument integration
3,4-Dinitrotoluene	610-39-9	1	11.60	Poor instrument integration
3,4-Dinitrotoluene	610-39-9	2	11.68	Poor instrument integration
2,4-Dinitrotoluene	121-14-2	1	12.21	Poor instrument integration
2,4-Dinitrotoluene	121-14-2	2	12.21	Poor instrument integration
2,6-Dinitrotoluene	606-20-2	1	12.62	Poor instrument integration
2,6-Dinitrotoluene	606-20-2	2	12.70	Poor instrument integration
o-Nitrotoluene	88-72-2	1	14.78	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.82	Poor instrument integration
p-Nitrotoluene	99-99-0	2	15.14	Poor instrument integration
p-Nitrotoluene	99-99-0	1	15.15	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.67	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.70	Poor instrument integration
PETN	78-11-5	2	17.29	Poor instrument integration

7.7.1.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0224BPL\BB049967.D\dad1B.ch Vial: 12
 Signal #2 : C:\HPCHEM\1\DATA\0224BPL\BB049967.D\dad1A.ch
 Acq On : 24-Feb-2016, 12:18:51 Operator: kismet1
 Sample : ic1412-50 Inst : G1315B
 Misc : op59454,GBB1412,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Feb 25 07:10:50 2016 Quant Results File: 8330B_0208.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0208.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Feb 25 07:10:36 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
15) S 3,4-Dinitrotolue	11.59	11.59	112699	163024	53.418m	46.016m
Spiked Amount	500.000	Range 70 - 136	Recovery =		10.68%#	9.20%#
Target Compounds						
1) TNX	1.38	1.38	149069	236442	48.869m	51.890
2) HMX	1.43	1.46	96301	272017	56.159m	55.321
3) DNX	1.77	1.77	155072	287117	52.993	66.164m
4) MNX	2.37	2.37	129600	202241	55.188m	55.636m
5) RDX	2.98	2.98	95823	150449	52.001m	50.685
6) 1,3,5-Trinitrobo	4.73	4.73	206198	399439	51.898m	51.059m
7) 1,3-Dinitrobenze	6.04	6.04	270483	185925	52.188	52.377m
8) 3,5-Dinitroanili	6.49	6.49	240459	401865	51.230	50.995m
9) Nitrobenzene	7.71	7.71	155606	144368	49.548	49.175m
10) Nitroglycerin	0.00	9.53	0	331074	N.D.	266.651 #
11) Tetryl	9.85	9.85	136741	244485	46.970	50.200
12) 2,4,6-Trinitroto	10.28	10.29	171203	201354	48.386	48.052
13) 2-Amino-4,6-Dini	10.76	10.75	141257	204481	46.441	45.732
14) 4-Amino-2,6-Dini	11.30	11.31	118543	195290	53.421	50.425m
16) 2,4-Dinitrotolue	12.22	12.24	251889	135345	52.799	47.192m
17) 2,6-Dinitrotolue	12.63	12.64	140797	168376	52.506m	52.560m
18) o-Nitrotoluene	14.78	14.79	112913	143199	51.380m	48.501m
19) p-Nitrotoluene	15.14	15.16	185558	133934	52.285m	47.706m
20) m-Nitrotoluene	15.67	15.68	170819	190727	52.193m	52.337m
21) PETN	0.00	17.30	0	362438	N.D.	266.241m#

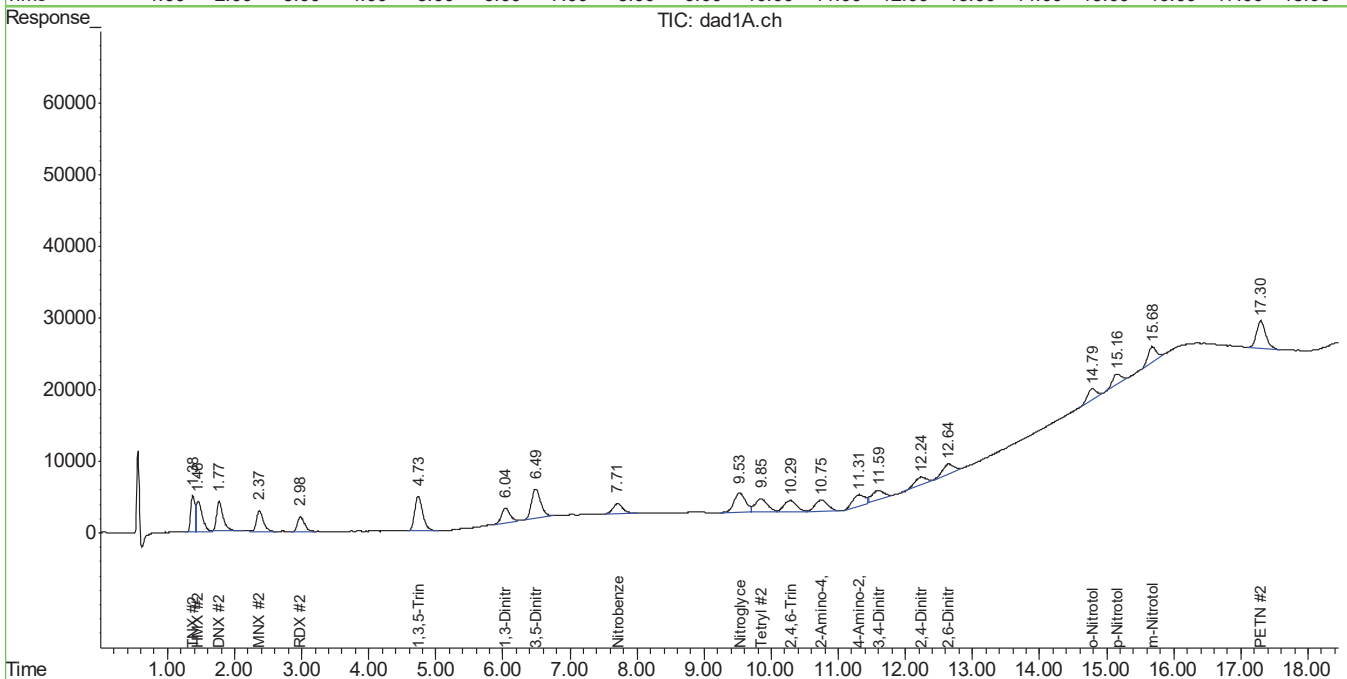
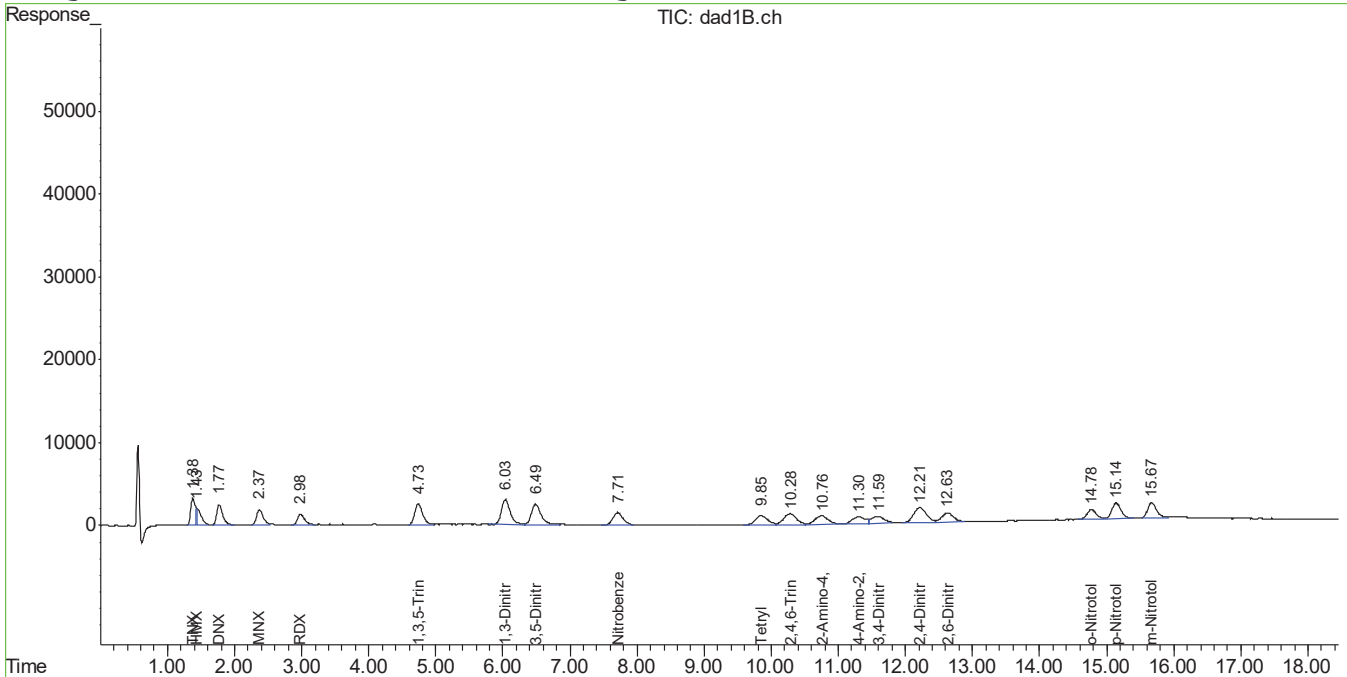
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB049967.D 8330B_0224.M Thu Feb 25 09:07:22 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0224BPL\BB049967.D\dad1B.ch Vial: 12
 Signal #2 : C:\HPCHEM\1\DATA\0224BPL\BB049967.D\dad1A.ch
 Acq On : 24-Feb-2016, 12:18:51 Operator: kismet1
 Sample : ic1412-50 Inst : G1315B
 Misc : op59454,GBB1412,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Feb 25 7:27 2016 Quant Results File: 8330B_0208.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0208.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Feb 25 07:10:36 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.7.2
7

Manual Integration Approval Summary

Sample Number: GBB1412-IC1412 **Method:** SW846 8330A
Lab FileID: BB049967.D **Analyst approved:** 02/25/16 13:49 Kismet Lugo
Injection Time: 02/24/16 12:18 **Supervisor approved:** 02/26/16 12:48 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
TNX		1	1.38	Poor instrument integration
HMX	2691-41-0	1	1.43	Overlapping peak
DNX		2	1.77	Overlapping peak
MNX		1	2.37	Poor instrument integration
MNX		2	2.37	Poor instrument integration
RDX	121-82-4	1	2.98	Poor instrument integration
1,3,5-Trinitrobenzene	99-35-4	1	4.73	Poor instrument integration
1,3,5-Trinitrobenzene	99-35-4	2	4.73	Poor instrument integration
1,3-Dinitrobenzene	99-65-0	2	6.04	Poor instrument integration
3,5-Dinitroaniline	618-87-1	2	6.49	Poor instrument integration
Nitrobenzene	98-95-3	2	7.71	Poor instrument integration
4-amino-2,6-Dinitrotoluene	19406-51-0	2	11.31	Poor instrument integration
3,4-Dinitrotoluene	610-39-9	1	11.59	Poor instrument integration
3,4-Dinitrotoluene	610-39-9	2	11.59	Poor instrument integration
2,4-Dinitrotoluene	121-14-2	2	12.24	Poor instrument integration
2,6-Dinitrotoluene	606-20-2	1	12.63	Poor instrument integration
2,6-Dinitrotoluene	606-20-2	2	12.64	Poor instrument integration
o-Nitrotoluene	88-72-2	1	14.78	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.79	Poor instrument integration
p-Nitrotoluene	99-99-0	1	15.14	Poor instrument integration
p-Nitrotoluene	99-99-0	2	15.16	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.67	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.68	Poor instrument integration
PETN	78-11-5	2	17.30	Poor instrument integration

7.7.2.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0224BPL\BB049968.D\dad1B.ch Vial: 13
 Signal #2 : C:\HPCHEM\1\DATA\0224BPL\BB049968.D\dad1A.ch
 Acq On : 24-Feb-2016, 12:44:20 Operator: kismet1
 Sample : ic1412-100 Inst : G1315B
 Misc : op59454,GBB1412,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Feb 25 07:10:51 2016 Quant Results File: 8330B_0208.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0208.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Feb 25 07:10:36 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
15) S 3,4-Dinitrotolue	11.59	11.60	213449	334595	101.011	94.151
Spiked Amount	500.000	Range 70 - 136	Recovery =		20.20%#	18.83%#
Target Compounds						
1) TNX	1.38	1.38	305306	442969	100.088m	97.215
2) HMX	1.43	1.46	180690	506410	105.371m	102.991
3) DNX	1.77	1.77	303158	578736	103.599	133.205m
4) MNX	2.37	2.37	244912	369907	104.292	101.760m
5) RDX	2.98	2.98	175360	279607	95.164	94.198m
6) 1,3,5-Trinitrobo	4.74	4.74	374990	735249	94.381	93.984
7) 1,3-Dinitrobenze	6.04	6.03	509513	333620	98.308	93.985m
8) 3,5-Dinitroanili	6.49	6.49	448275	730023	95.504	92.637m
9) Nitrobenzene	7.71	7.71	291459	289428	92.806	98.587m
10) Nitroglycerin	0.00	9.53	0	603053	N.D.	485.706 #
11) Tetryl	9.86	9.86	265018	456724	91.032	93.779
12) 2,4,6-Trinitroto	10.28	10.28	323094	382788	91.314	91.350
13) 2-Amino-4,6-Dini	10.75	10.75	267203	404794	87.848	90.531
14) 4-Amino-2,6-Dini	11.31	11.31	207103	375346	93.329	96.459
16) 2,4-Dinitrotolue	12.22	12.23	451056	274446	94.547	95.694m
17) 2,6-Dinitrotolue	12.64	12.64	264976	310145	98.815	96.813m
18) o-Nitrotoluene	14.78	14.79	221559	280069	100.818	94.858m
19) p-Nitrotoluene	15.15	15.15	347785	260158	97.996	92.666m
20) m-Nitrotoluene	15.68	15.68	317120	345930	96.895m	94.926m
21) PETN	0.00	17.30	0	665824	N.D.	489.104m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

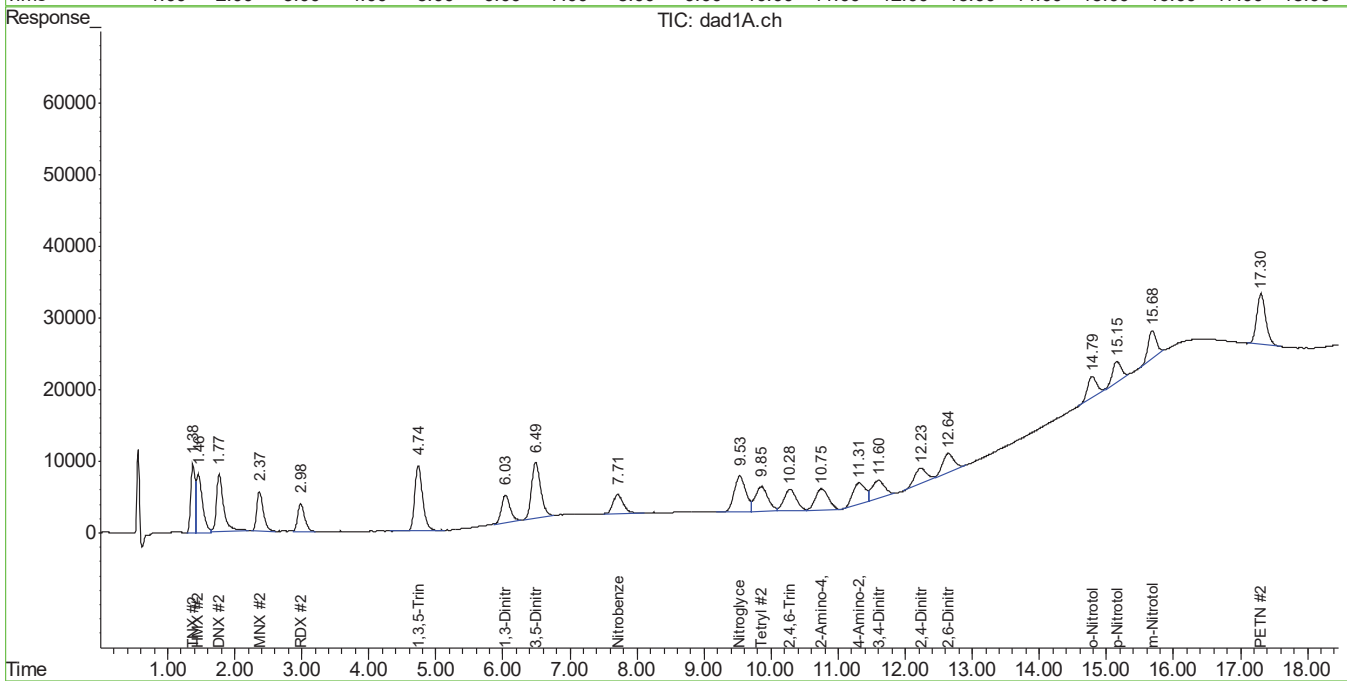
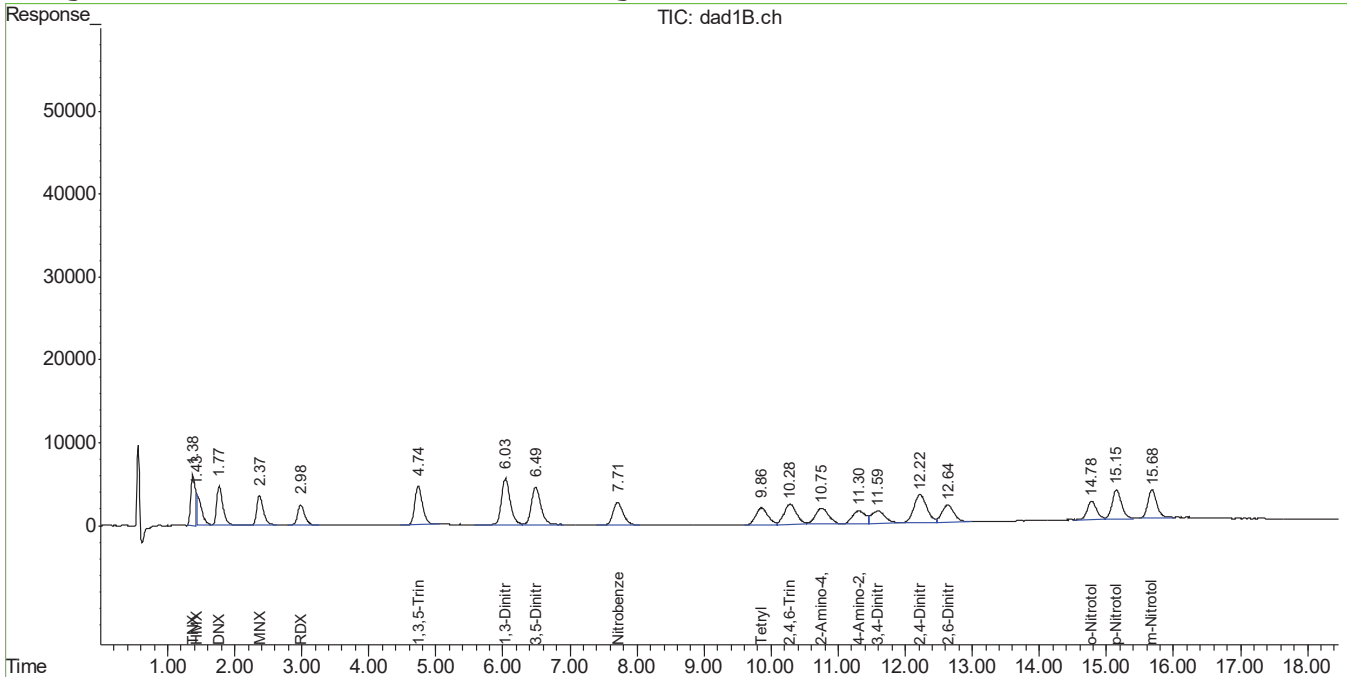
BB049968.D 8330B_0224.M Thu Feb 25 09:07:23 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0224BPL\BB049968.D\dad1B.ch Vial: 13
 Signal #2 : C:\HPCHEM\1\DATA\0224BPL\BB049968.D\dad1A.ch
 Acq On : 24-Feb-2016, 12:44:20 Operator: kismet1
 Sample : ic1412-100 Inst : G1315B
 Misc : op59454,GBB1412,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Feb 25 7:34 2016 Quant Results File: 8330B_0208.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0208.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Feb 25 07:10:36 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.7.7
 7

Manual Integration Approval Summary

Sample Number: GBB1412-IC1412 **Method:** SW846 8330A
Lab FileID: BB049968.D **Analyst approved:** 02/25/16 13:49 Kismet Lugo
Injection Time: 02/24/16 12:44 **Supervisor approved:** 02/26/16 12:48 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
TNX		1	1.38	Poor instrument integration
HMX	2691-41-0	1	1.43	Overlapping peak
DNX		2	1.77	Overlapping peak
MNX		2	2.37	Poor instrument integration
RDX	121-82-4	2	2.98	Poor instrument integration
1,3-Dinitrobenzene	99-65-0	2	6.03	Poor instrument integration
3,5-Dinitroaniline	618-87-1	2	6.49	Poor instrument integration
Nitrobenzene	98-95-3	2	7.71	Poor instrument integration
2,4-Dinitrotoluene	121-14-2	2	12.23	Poor instrument integration
2,6-Dinitrotoluene	606-20-2	2	12.64	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.79	Poor instrument integration
p-Nitrotoluene	99-99-0	2	15.15	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.68	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.68	Poor instrument integration
PETN	78-11-5	2	17.30	Poor instrument integration

7.7.3.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0224BPL\BB049970.D\dad1B.ch Vial: 15
 Signal #2 : C:\HPCHEM\1\DATA\0224BPL\BB049970.D\dad1A.ch
 Acq On : 24-Feb-2016, 13:45:02 Operator: kismet1
 Sample : icc1412-500 Inst : G1315B
 Misc : op59454,GBB1412,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Feb 25 07:10:53 2016 Quant Results File: 8330B_0208.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0208.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Feb 25 07:10:36 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
15) S 3,4-Dinitrotolue	11.58	11.58	1068956	1841102	499.192	504.677
Spiked Amount	500.000	Range	70 - 136	Recovery	= 99.84%	100.94%
Target Compounds						
1) TNX	1.38	1.38	1555211	2244850	509.843m	492.661
2) HMX	1.46	1.47	863161	2411521	503.360m	490.444
3) DNX	1.77	1.77	1413215	2299519	482.941	525.566m
4) MNX	2.37	2.37	1149653	1825766	489.561	502.260m
5) RDX	2.99	2.99	859187	1392462	466.263	469.112
6) 1,3,5-Trinitrobo	4.74	4.74	1850458	3660774	465.740	467.942
7) 1,3-Dinitrobenze	6.03	6.03	2483369	1715087	479.152	483.161
8) 3,5-Dinitroanili	6.48	6.48	2159299	3723310	460.036	472.474
9) Nitrobenzene	7.71	7.71	1474811	1431533	469.606	487.618
10) Nitroglycerin	0.00	9.53	0	3001704	N.D. d	2417.610
11) Tetryl	9.85	9.85	1340900	2249497	460.589	461.889
12) 2,4,6-Trinitroto	10.27	10.27	1699130	1958765	480.215	467.446
13) 2-Amino-4,6-Dini	10.74	10.74	1497185	2101590	492.231	470.015
14) 4-Amino-2,6-Dini	11.30	11.30	1061889	2045437	478.533	504.520
16) 2,4-Dinitrotolue	12.21	12.21	2226154	1436530	466.630	500.889
17) 2,6-Dinitrotolue	12.63	12.63	1304844	1723169	486.601	537.896
18) o-Nitrotoluene	14.78	14.78	1061303	1415428	482.935	479.400m
19) p-Nitrotoluene	15.15	15.14	1714689	1390573	483.151	495.307m
20) m-Nitrotoluene	15.68	15.67	1597850	1799928	488.220	493.915m
21) PETN	0.00	17.30	0	3309309	N.D. d	2430.969m

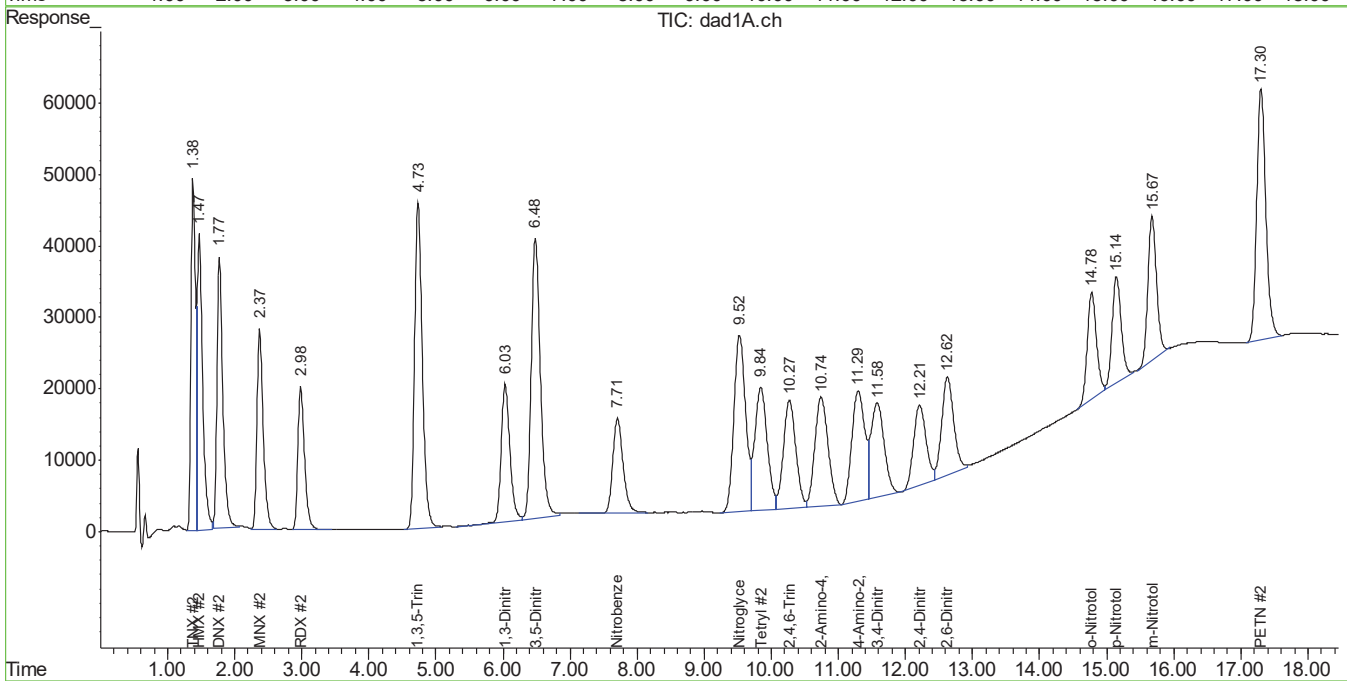
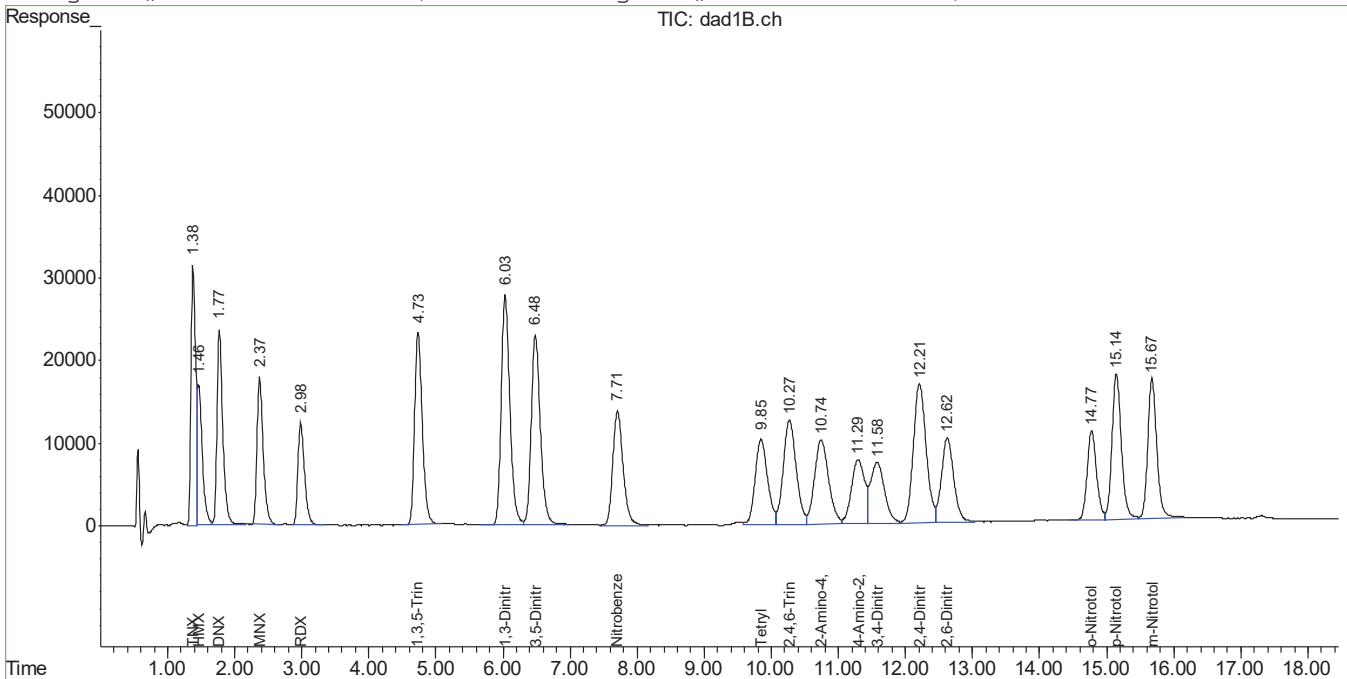
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB049970.D 8330B_0224.M Thu Feb 25 09:07:37 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0224BPL\BB049970.D\dad1B.ch Vial: 15
 Signal #2 : C:\HPCHEM\1\DATA\0224BPL\BB049970.D\dad1A.ch
 Acq On : 24-Feb-2016, 13:45:02 Operator: kismet1
 Sample : icc1412-500 Inst : G1315B
 Misc : op59454,GBB1412,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Feb 25 7:42 2016 Quant Results File: 8330B_0208.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0208.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Feb 25 07:10:36 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



Manual Integration Approval Summary

Sample Number: GBB1412-ICC1412 Method: SW846 8330A
Lab FileID: BB049970.D Analyst approved: 02/25/16 13:49 Kismet Lugo
Injection Time: 02/24/16 13:45 Supervisor approved: 02/26/16 12:48 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
TNX		1	1.38	Poor instrument integration
HMX	2691-41-0	1	1.46	Poor instrument integration
DNX		2	1.77	Poor instrument integration
MNX		2	2.37	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.78	Poor instrument integration
p-Nitrotoluene	99-99-0	2	15.14	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.67	Poor instrument integration
PETN	78-11-5	2	17.30	Poor instrument integration

7.7.4.1

7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0224BPL\BB049971.D\dad1B.ch Vial: 16
 Signal #2 : C:\HPCHEM\1\DATA\0224BPL\BB049971.D\dad1A.ch
 Acq On : 24-Feb-2016, 14:10:32 Operator: kismet1
 Sample : ic1412-1000 Inst : G1315B
 Misc : op59454,GBB1412,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Feb 25 07:10:54 2016 Quant Results File: 8330B_0208.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0208.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Feb 25 07:10:36 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb

System Monitoring Compounds						
15) S 3,4-Dinitrotolue	11.58	11.58	2168836	3717847	996.408	988.980
Spiked Amount	500.000	Range	70 - 136	Recovery	= 199.28%#	197.80%#
Target Compounds						
1) TNX	1.38	1.39	3199075	4623839	1048.750m	1014.760
2) HMX	1.48	1.48	1677400	4741591	978.192m	964.323
3) DNX	1.78	1.78	2844728	4582986	972.136	1037.974
4) MNX	2.38	2.38	2335406	3672725	994.495	1010.351
5) RDX	2.99	2.99	1721897	2812209	934.439	947.415
6) 1,3,5-Trinitrobe	4.73	4.73	3726712	7349020	937.972	939.395
7) 1,3-Dinitrobenze	6.03	6.03	4948753	3412174	954.834	961.251m
8) 3,5-Dinitroanili	6.48	6.48	4359843	7336075	928.860	930.919m
9) Nitrobenzene	7.71	7.70	2948430	2806191	938.833	955.864m
10) Nitroglycerin	0.00	9.53	0	6010912	N.D. d	4841.262
11) Tetryl	9.85	9.85	2714238	4541306	932.321	932.466
12) 2,4,6-Trinitroto	10.27	10.27	3470738	4001469	980.914	954.923
13) 2-Amino-4,6-Dini	10.74	10.74	3097809	4306495	1018.469	963.136
14) 4-Amino-2,6-Dini	11.30	11.30	2180691	4213849	982.713	991.767
16) 2,4-Dinitrotolue	12.21	12.21	4473536	2922224	937.709	1018.921
17) 2,6-Dinitrotolue	12.63	12.63	2625048	3436072	978.931	1072.587
18) o-Nitrotoluene	14.77	14.77	2079831	2877574	946.406m	974.624m
19) p-Nitrotoluene	15.14	15.14	3358618	2835435	946.365m	1009.951m
20) m-Nitrotoluene	15.67	15.67	3132648	3600789	957.174m	988.086m
21) PETN	0.00	17.30	0	6828767	N.D. d	5016.311m

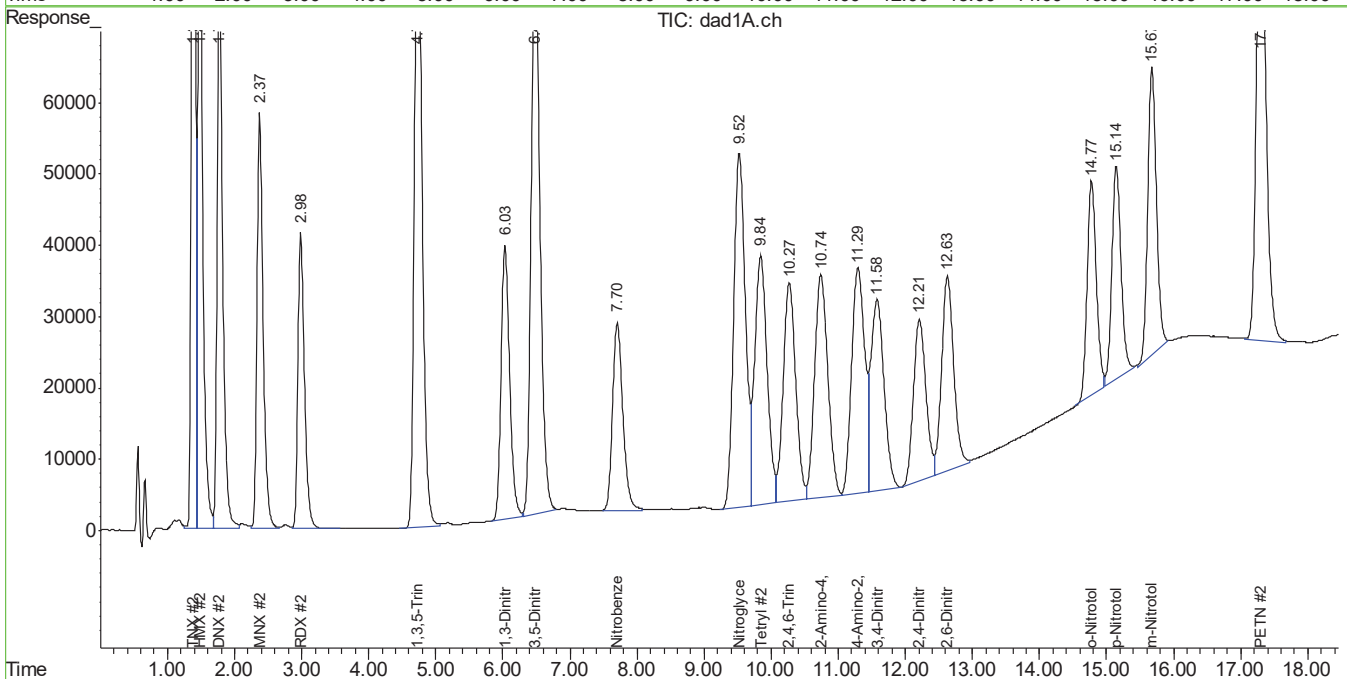
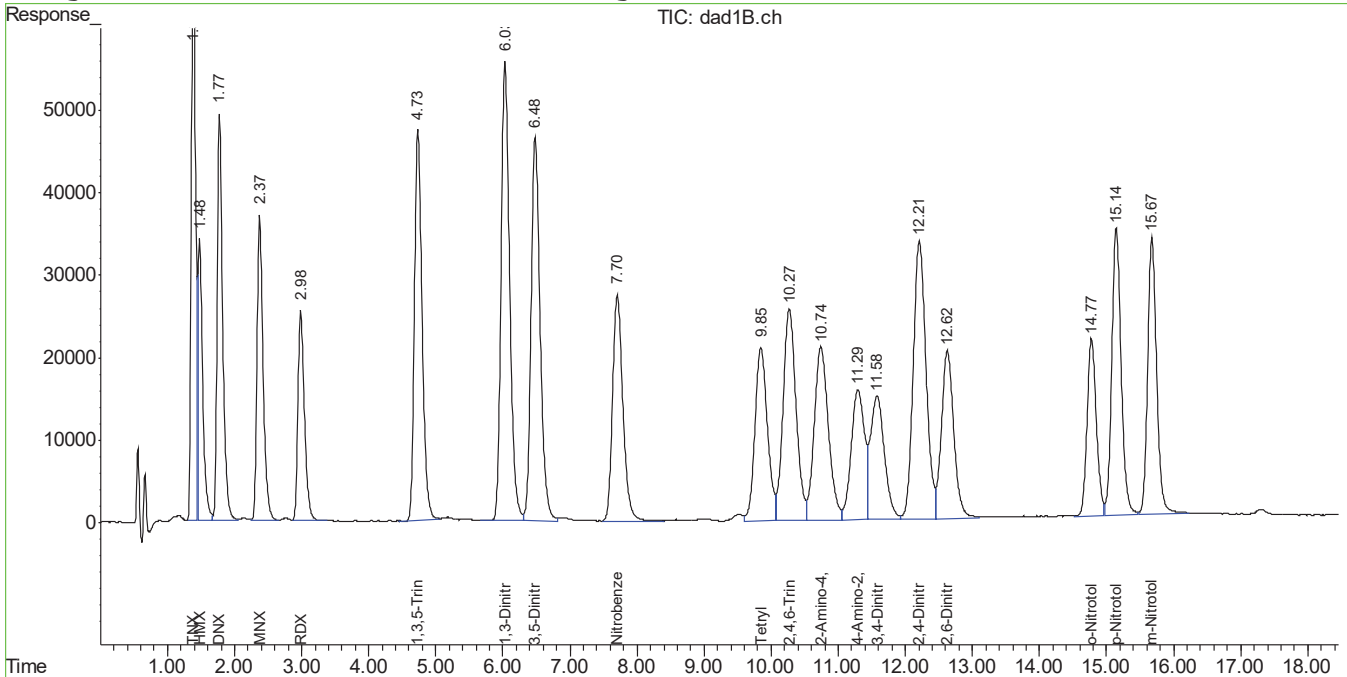
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB049971.D 8330B_0224.M Thu Feb 25 09:28:07 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0224BPL\BB049971.D\dad1B.ch Vial: 16
 Signal #2 : C:\HPCHEM\1\DATA\0224BPL\BB049971.D\dad1A.ch
 Acq On : 24-Feb-2016, 14:10:32 Operator: kismet1
 Sample : ic1412-1000 Inst : G1315B
 Misc : op59454,GBB1412,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Feb 25 9:27 2016 Quant Results File: 8330B_0208.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0208.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Feb 25 07:10:36 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.7.7

Manual Integration Approval Summary

Sample Number: GBB1412-IC1412 **Method:** SW846 8330A
Lab FileID: BB049971.D **Analyst approved:** 02/25/16 13:49 Kismet Lugo
Injection Time: 02/24/16 14:10 **Supervisor approved:** 02/26/16 12:48 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
TNX		1	1.38	Poor instrument integration
HMX	2691-41-0	1	1.48	Poor instrument integration
1,3-Dinitrobenzene	99-65-0	2	6.03	Poor instrument integration
3,5-Dinitroaniline	618-87-1	2	6.48	Poor instrument integration
Nitrobenzene	98-95-3	2	7.70	Poor instrument integration
o-Nitrotoluene	88-72-2	1	14.77	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.77	Poor instrument integration
p-Nitrotoluene	99-99-0	1	15.14	Poor instrument integration
p-Nitrotoluene	99-99-0	2	15.14	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.67	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.67	Poor instrument integration
PETN	78-11-5	2	17.30	Poor instrument integration

7.7.5.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0224BPL\BB049972.D\dad1B.ch Vial: 17
 Signal #2 : C:\HPCHEM\1\DATA\0224BPL\BB049972.D\dad1A.ch
 Acq On : 24-Feb-2016, 14:36:03 Operator: kismet1
 Sample : ic1412-2000 Inst : G1315B
 Misc : op59454,GBB1412,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Feb 25 07:10:55 2016 Quant Results File: 8330B_0208.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0208.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Feb 25 07:10:36 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb

System Monitoring Compounds						
15) S 3,4-Dinitrotolue	11.58	11.58	4483140	7935029	1994.728	1989.259
Spiked Amount	500.000	Range	70 - 136	Recovery	= 398.95%#	397.85%#
Target Compounds						
1) TNX	1.39	1.39	6613000	9966316	2167.934	2187.235
2) HMX	1.50	1.50	3498473	9526691	2040.167	1937.494
3) DNX	1.78	1.78	5929647	9636441	2026.353	2140.762
4) MNX	2.38	2.38	4872352	7620509	2074.813	2096.368
5) RDX	2.99	2.99	3607773	5831438	1957.865	1964.575
6) 1,3,5-Trinitrobe	4.74	4.74	7829940	15332649	1970.708	1959.910
7) 1,3-Dinitrobenze	6.03	6.03	10344471	7234265	1995.908	2037.982
8) 3,5-Dinitroanili	6.48	6.48	9051158	15268699	1928.339	1937.538m
9) Nitrobenzene	7.71	7.70	5979117	5714064	1903.857	1946.363m
10) Nitroglycerin	0.00	9.52	0	12634310	N.D. d	10175.829
11) Tetryl	9.85	9.85	5618532	9559501	1929.925	1962.851
12) 2,4,6-Trinitroto	10.27	10.27	7243916	8649222	2047.304	2064.077
13) 2-Amino-4,6-Dini	10.74	10.74	6468295	9499209	2126.586	2124.472
14) 4-Amino-2,6-Dini	11.29	11.30	4530210	9151866	2041.507	1972.206
16) 2,4-Dinitrotolue	12.21	12.21	9336485	6112839	1957.044	2131.425
17) 2,6-Dinitrotolue	12.63	12.63	5405305	7041769	2015.742	2198.124
18) o-Nitrotoluene	14.78	14.78	4184537	5842085	1904.131	1978.693m
19) p-Nitrotoluene	15.15	15.14	6788547	5826913	1912.823	2075.484m
20) m-Nitrotoluene	15.68	15.68	6257586	7392040	1911.992	2028.437m
21) PETN	0.00	17.31	0	14047083	N.D. d	10318.778

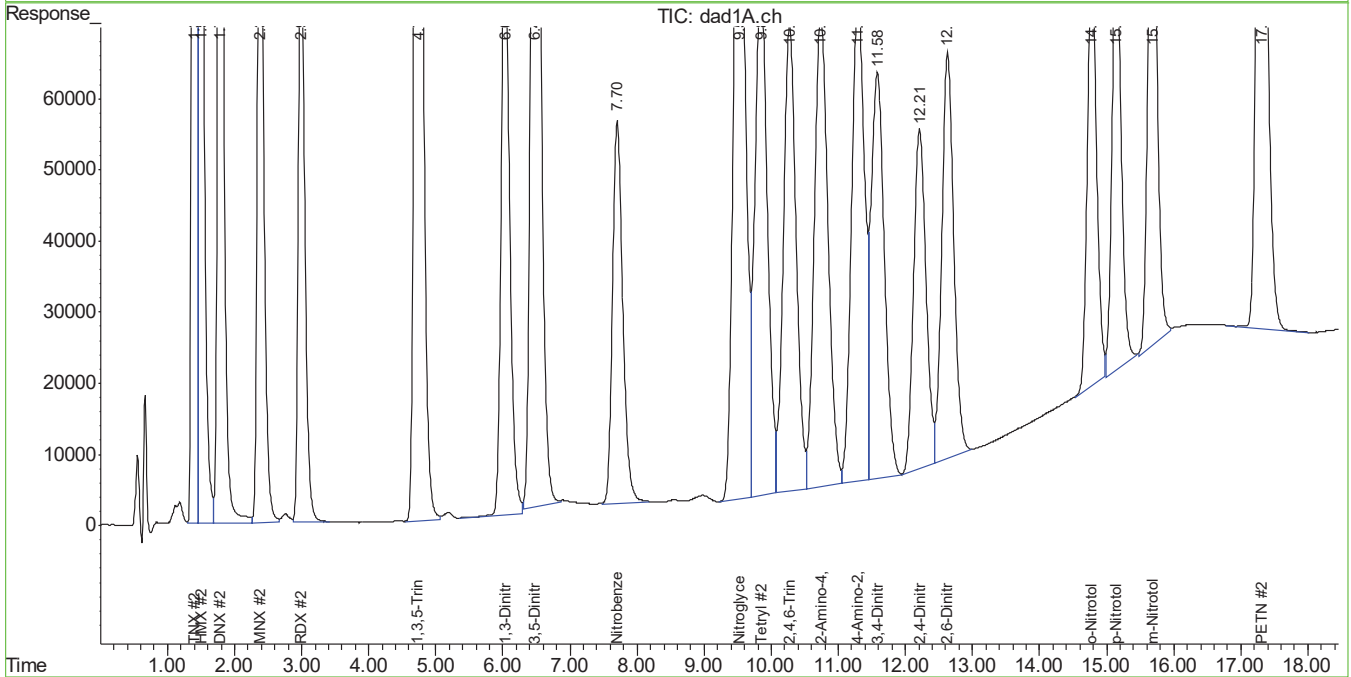
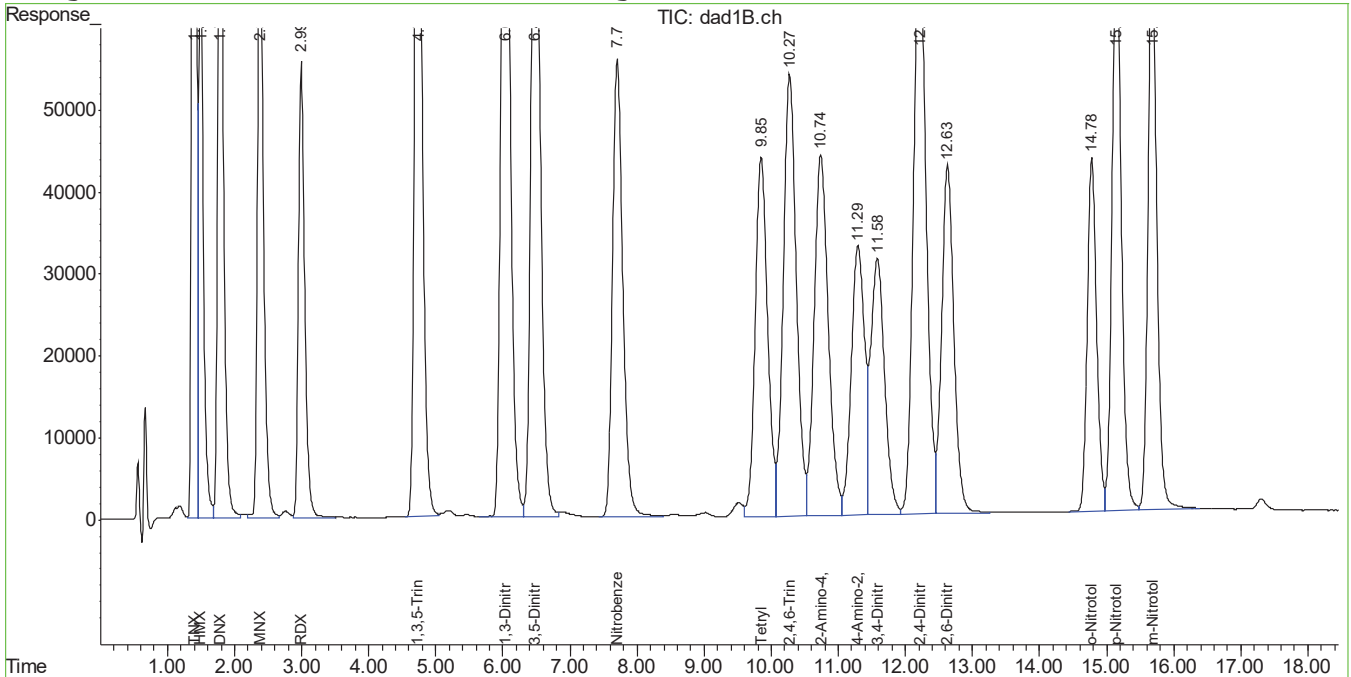
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB049972.D 8330B_0224.M Thu Feb 25 09:07:39 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0224BPL\BB049972.D\dad1B.ch Vial: 17
 Signal #2 : C:\HPCHEM\1\DATA\0224BPL\BB049972.D\dad1A.ch
 Acq On : 24-Feb-2016, 14:36:03 Operator: kismet1
 Sample : ic1412-2000 Inst : G1315B
 Misc : op59454,GBB1412,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Feb 25 7:48 2016 Quant Results File: 8330B_0208.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0208.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Feb 25 07:10:36 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.7.7
7

Manual Integration Approval Summary

Sample Number: GBB1412-IC1412 Method: SW846 8330A
Lab FileID: BB049972.D Analyst approved: 02/25/16 13:49 Kismet Lugo
Injection Time: 02/24/16 14:36 Supervisor approved: 02/26/16 12:48 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
3,5-Dinitroaniline	618-87-1	2	6.48	Poor instrument integration
Nitrobenzene	98-95-3	2	7.70	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.78	Poor instrument integration
p-Nitrotoluene	99-99-0	2	15.14	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.68	Poor instrument integration

7.7.6.1

7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0224BPL\BB049973.D\dad1B.ch Vial: 18
 Signal #2 : C:\HPCHEM\1\DATA\0224BPL\BB049973.D\dad1A.ch
 Acq On : 24-Feb-2016, 15:01:30 Operator: kismet1
 Sample : icv1412-500 Inst : G1315B
 Misc : op59454,GBB1412,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Feb 25 09:32:05 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Feb 25 09:31:23 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	0.00	0.00	0	0	N.D.	N.D.
	Spiked Amount	500.000	Range	70 - 136	Recovery	=	0.00%# 0.00%#

Target Compounds

1)	TNX	1.38	1.38	1594868	2324063	514.760m	511.805m
2)	HMX	1.49	1.49	954498	2593334	545.942m	531.002m
3)	DNX	1.78	1.78	1452097	2355157	484.130	515.845
4)	MNX	2.38	2.38	1212708	1889762	509.751	503.578
5)	RDX	2.99	2.99	953824	1528218	521.128	530.575
6)	1,3,5-Trinitrobe	4.73	4.73	2020126	3956139	524.415	524.983
7)	1,3-Dinitrobenze	6.03	6.03	2537743	1739575	500.510	501.717m
8)	3,5-Dinitroanili	6.48	6.48	2278739	3871443	503.978	516.979m
9)	Nitrobenzene	7.71	7.70	1625158	1572316	543.632	540.309m
10)	Nitroglycerin	0.00	9.53	0	3012346	N.D. d	2457.419
11)	Tetryl	9.85	9.85	1215662	1994445	454.924	432.803
12)	2,4,6-Trinitroto	10.27	10.27	1575290	1850204	467.528	472.317
13)	2-Amino-4,6-Dini	10.74	10.74	1678926	2339258	556.984	563.889
14)	4-Amino-2,6-Dini	11.30	11.30	1277452	2378556	570.056	582.907
16)	2,4-Dinitrotolue	12.21	12.21	2422455	1574779	526.873	560.161m
17)	2,6-Dinitrotolue	12.63	12.63	1438308	1814522	537.720	555.579m
18)	o-Nitrotoluene	14.78	14.78	1180776	1618445	550.609m	572.501m
19)	p-Nitrotoluene	15.15	15.15	1827612	1507274	529.016m	558.484m
20)	m-Nitrotoluene	15.68	15.68	1787868	2013995	560.478m	562.934m
21)	PETN	0.00	17.31	0	3592221	N.D. d	2642.040m

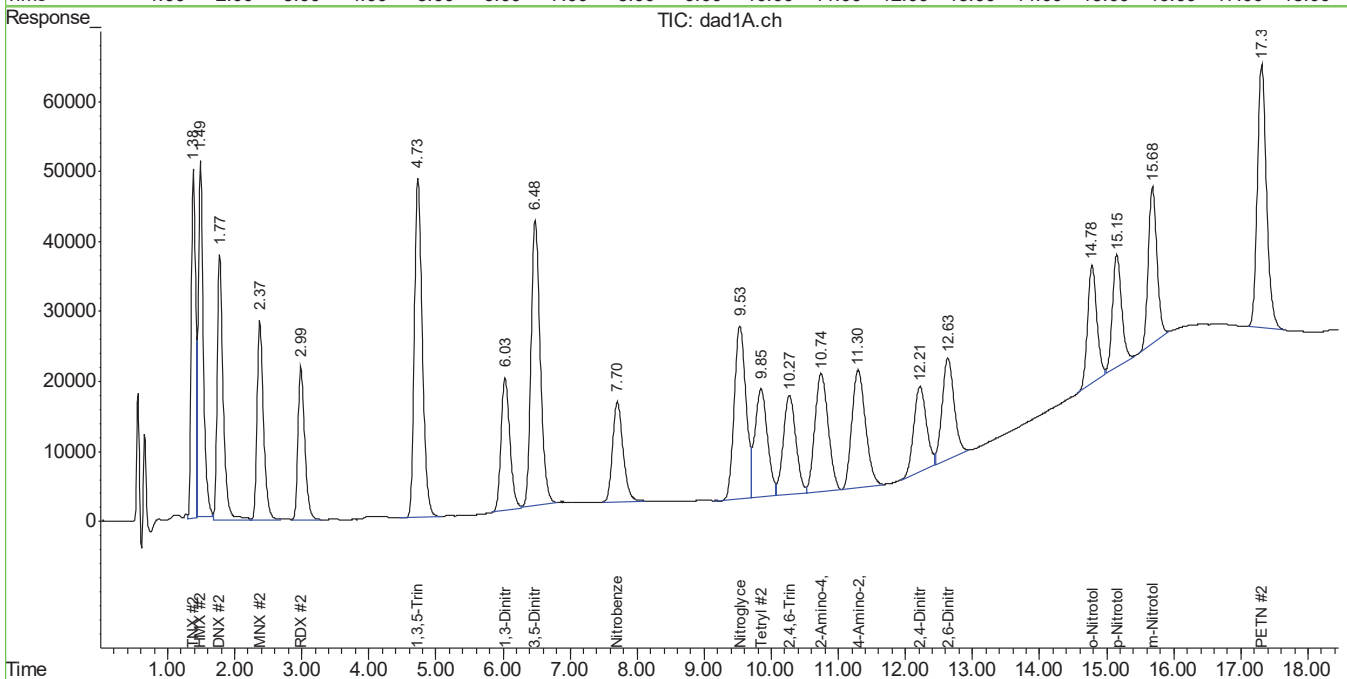
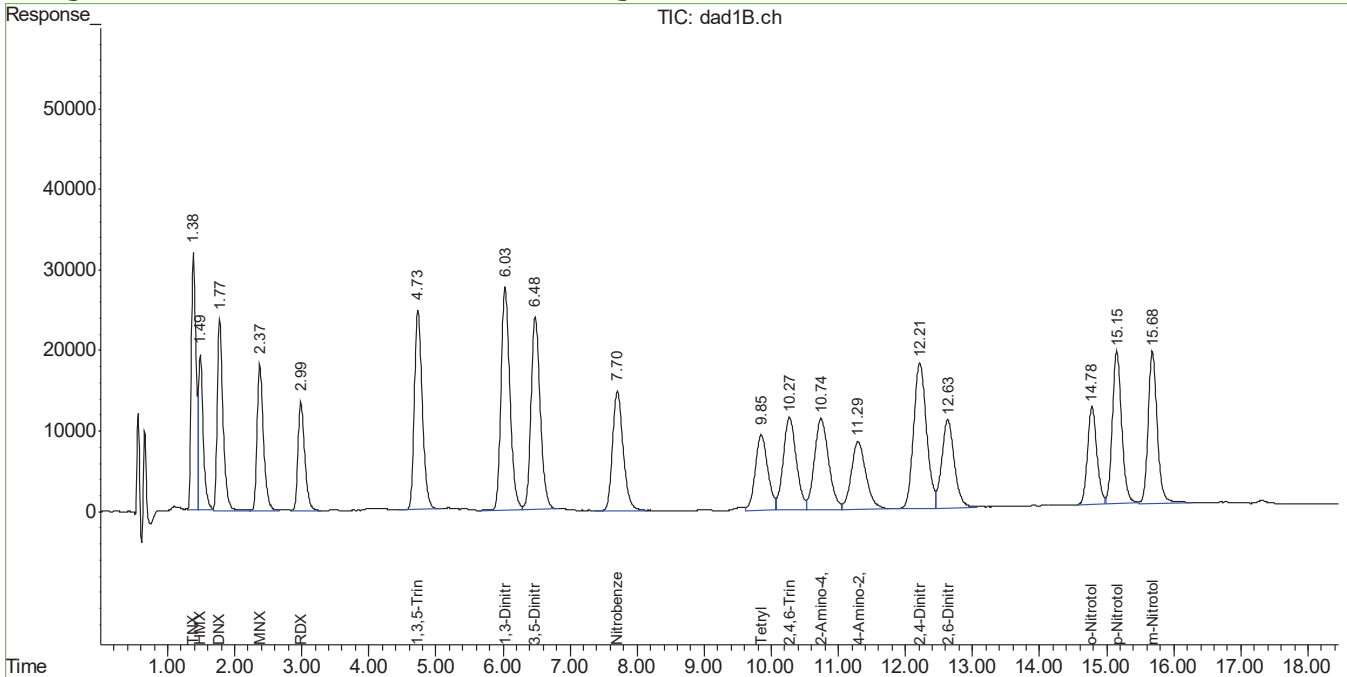
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB049973.D 8330B_0224.M Thu Feb 25 09:44:02 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0224BPL\BB049973.D\dad1B.ch Vial: 18
 Signal #2 : C:\HPCHEM\1\DATA\0224BPL\BB049973.D\dad1A.ch
 Acq On : 24-Feb-2016, 15:01:30 Operator: kismet1
 Sample : icv1412-500 Inst : G1315B
 Misc : op59454,GBB1412,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Feb 25 9:35 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Feb 25 09:31:23 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



Manual Integration Approval Summary

Sample Number: GBB1412-ICV1412 **Method:** SW846 8330A
Lab FileID: BB049973.D **Analyst approved:** 02/25/16 13:49 Kismet Lugo
Injection Time: 02/24/16 15:01 **Supervisor approved:** 02/26/16 12:48 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
TNX		1	1.38	Poor instrument integration
TNX		2	1.38	Poor instrument integration
HMX	2691-41-0	1	1.49	Poor instrument integration
HMX	2691-41-0	2	1.49	Poor instrument integration
1,3-Dinitrobenzene	99-65-0	2	6.03	Poor instrument integration
3,5-Dinitroaniline	618-87-1	2	6.48	Poor instrument integration
Nitrobenzene	98-95-3	2	7.70	Poor instrument integration
2,4-Dinitrotoluene	121-14-2	2	12.21	Poor instrument integration
2,6-Dinitrotoluene	606-20-2	2	12.63	Poor instrument integration
o-Nitrotoluene	88-72-2	1	14.78	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.78	Poor instrument integration
p-Nitrotoluene	99-99-0	1	15.15	Poor instrument integration
p-Nitrotoluene	99-99-0	2	15.15	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.68	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.68	Poor instrument integration
PETN	78-11-5	2	17.31	Poor instrument integration

7.7.7.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050331.D\dad1B.ch Vial: 2
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050331.D\dad1A.ch
 Acq On : 15-Mar-2016, 06:52:36 Operator: kismet1
 Sample : cc1412-1000 Inst : G1315B
 Misc : op59619,GBB1423,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 06:50:15 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.16	11.16	2218366	3788448	971.784	1012.684
	Spiked Amount	500.000	Range	70 - 136	Recovery	= 194.36%#	202.54%#

Target Compounds

1)	TNX	1.34	1.34	2999049	4555326	967.974m	1003.174
2)	HMX	1.40	1.42	1741238	5110285	995.932m	1046.365
3)	DNX	1.72	1.72	2860027	4620107	953.535	994.663
4)	MNX	2.29	2.29	2339211	3680442	983.266	980.753
5)	RDX	2.89	2.89	1739936	2838106	950.626	985.349
6)	1,3,5-Trinitrobe	4.58	4.58	3784067	7464617	982.325	990.562
7)	1,3-Dinitrobenze	5.84	5.84	5003750	3568765	986.872	1029.281
8)	3,5-Dinitroanili	6.28	6.28	4419529	7490188	977.447	1000.213m
9)	Nitrobenzene	7.46	7.46	3032644	2881075	1014.450	990.050m
10)	Nitroglycerin	0.00	9.22	0	6014201	N.D.	4906.280 #
11)	Tetryl	9.50	9.49	2890198	4852621	1081.567	1053.039
12)	2,4,6-Trinitroto	9.91	9.91	3500759	4158827	1038.984	1061.657
13)	2-Amino-4,6-Dini	10.35	10.35	3156803	4605653	1022.996	1110.214
14)	4-Amino-2,6-Dini	10.87	10.87	2143694	4300990	956.611	1016.358
16)	2,4-Dinitrotolue	11.83	11.83	4547842	2910675	989.135	1035.350
17)	2,6-Dinitrotolue	12.26	12.26	2684594	3390792	1003.650	1038.210
18)	o-Nitrotoluene	14.49	14.49	2155922	2999105	1005.330	1060.889m
19)	p-Nitrotoluene	14.87	14.87	3490833	2941453	1010.448	1089.885m
20)	m-Nitrotoluene	15.42	15.42	3216146	3822153	1008.229	1068.335m
21)	PETN	0.00	0.00	0	0	N.D.	N.D.

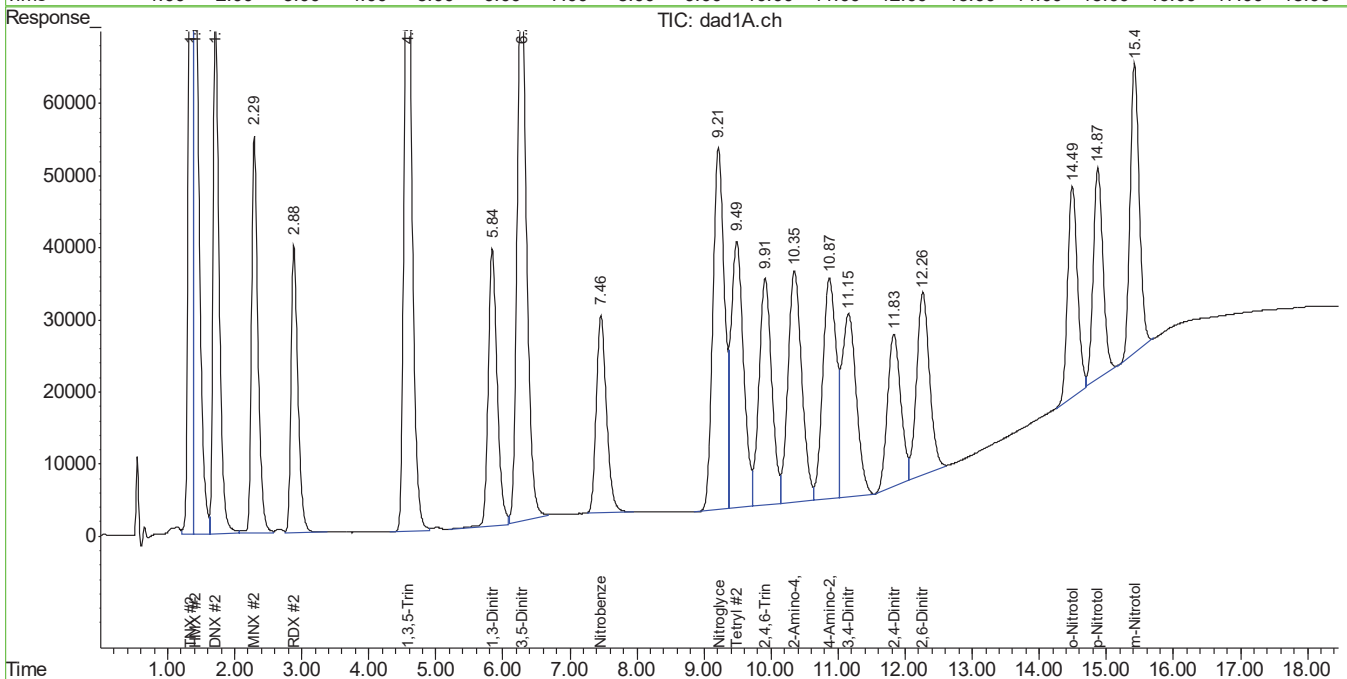
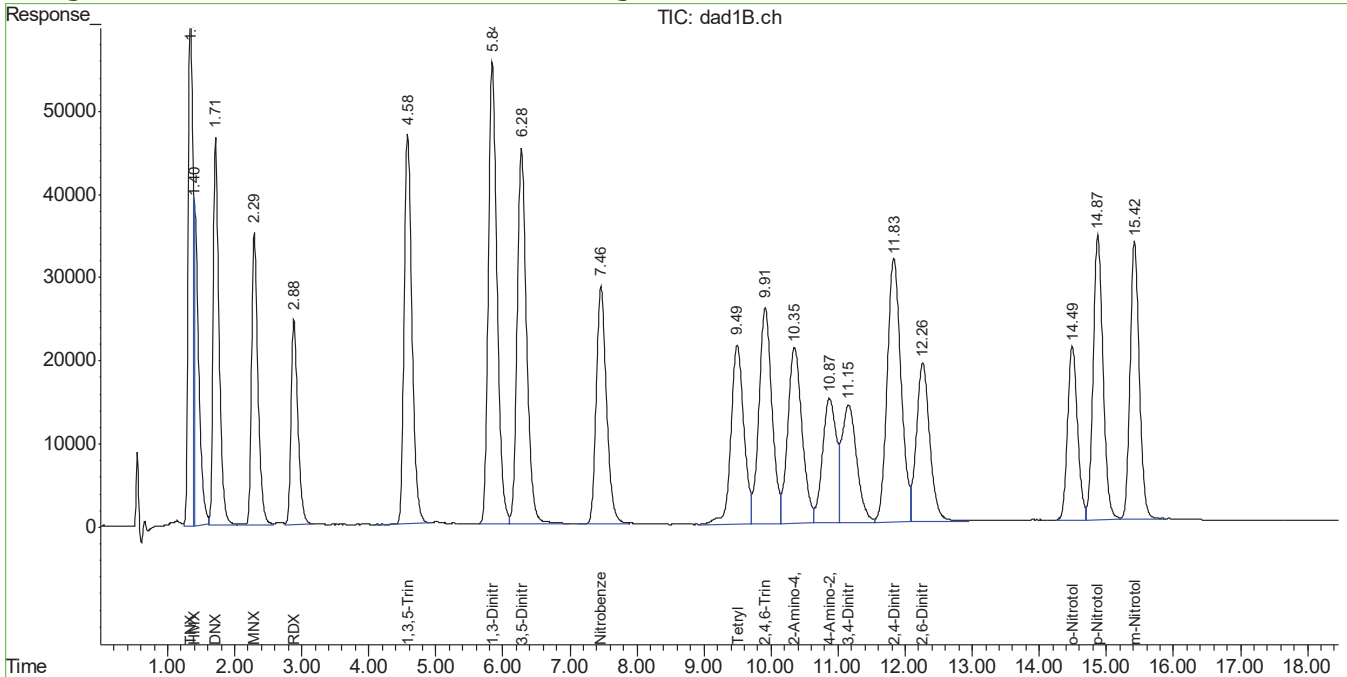
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050331.D 8330B_0224.M Wed Mar 16 09:19:51 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050331.D\dad1B.ch Vial: 2
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050331.D\dad1A.ch
 Acq On : 15-Mar-2016, 06:52:36 Operator: kismet1
 Sample : cc1412-1000 Inst : G1315B
 Misc : op59619,GBB1423,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 6:54 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



Manual Integration Approval Summary

Sample Number: GBB1423-CC1412 **Method:** SW846 8330B
Lab FileID: BB050331.D **Analyst approved:** 03/16/16 09:37 Kismet Lugo
Injection Time: 03/15/16 06:52 **Supervisor approved:** 03/16/16 12:13 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
TNX		1	1.34	Overlapping peak
HMX	2691-41-0	1	1.40	Overlapping peak
3,5-Dinitroaniline	618-87-1	2	6.28	Poor instrument integration
Nitrobenzene	98-95-3	2	7.46	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.49	Poor instrument integration
p-Nitrotoluene	99-99-0	2	14.87	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.42	Poor instrument integration

7.7.8.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050333.D\dad1B.ch Vial: 42
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050333.D\dad1A.ch
 Acq On : 15-Mar-2016, 07:57:08 Operator: kismet1
 Sample : cc1412-1000 Inst : G1315B
 Misc : op59619,GBB1423,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 06:50:17 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.18	11.18	2184636	3748828	957.009	1002.702
	Spiked Amount	500.000	Range	70 - 136	Recovery	= 191.40%#	200.54%#

Target Compounds

1)	TNX	1.34	1.34	3044372	4768226	982.602m	1050.058
2)	HMX	1.40	1.42	1837643	5014703	1051.073m	1026.794
3)	DNX	1.72	1.72	2843144	4580298	947.906	986.384
4)	MNX	2.30	2.30	2338313	3663949	982.889	976.358
5)	RDX	2.89	2.89	1751308	2834268	956.839	984.016
6)	1,3,5-Trinitrobe	4.59	4.59	3779647	7412712	981.177	983.674
7)	1,3-Dinitrobenze	5.85	5.85	4986412	3507417	983.453	1011.587
8)	3,5-Dinitroanili	6.28	6.28	4056207	6849510	897.093	914.659m
9)	Nitrobenzene	7.47	7.47	3017017	2872161	1009.223	986.987m
10)	Nitroglycerin	0.00	9.23	0	5943397	N.D. d	4848.519
11)	Tetryl	9.51	9.50	2808954	4839900	1051.164	1050.278
12)	2,4,6-Trinitroto	9.93	9.93	3472941	4133052	1030.728	1055.078
13)	2-Amino-4,6-Dini	10.36	10.36	3143868	4602813	1019.006	1109.530
14)	4-Amino-2,6-Dini	10.88	10.88	2141659	4290176	955.704	1013.999
16)	2,4-Dinitrotolue	11.85	11.85	4510696	2895282	981.056	1029.874
17)	2,6-Dinitrotolue	12.28	12.28	2639499	3382995	986.791	1035.822
18)	o-Nitrotoluene	14.50	14.51	2137445	2999967	996.714m	1061.194m
19)	p-Nitrotoluene	14.88	14.89	3454021	2933808	999.793m	1087.052m
20)	m-Nitrotoluene	15.43	15.43	3203713	3794537	1004.331m	1060.616m
21)	PETN	0.00	17.06	0	6755825	N.D. d	4968.837m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050333.D 8330B_0224.M Wed Mar 16 09:19:53 2016

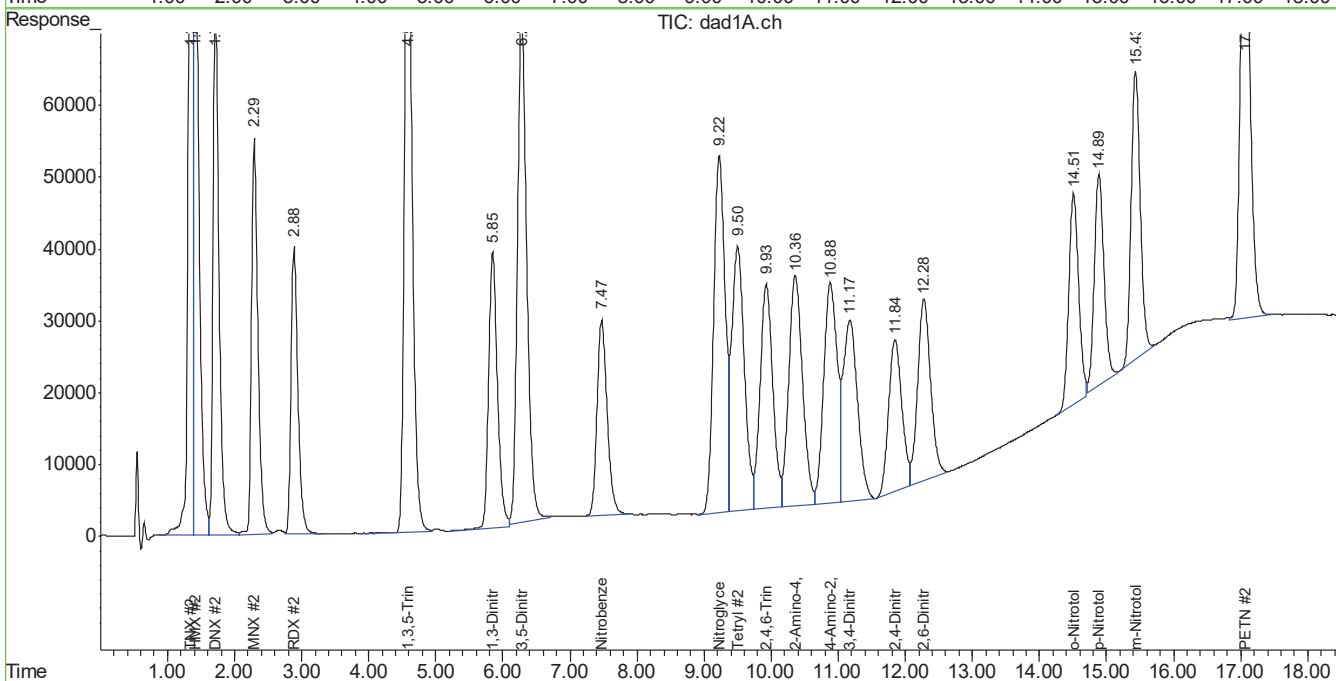
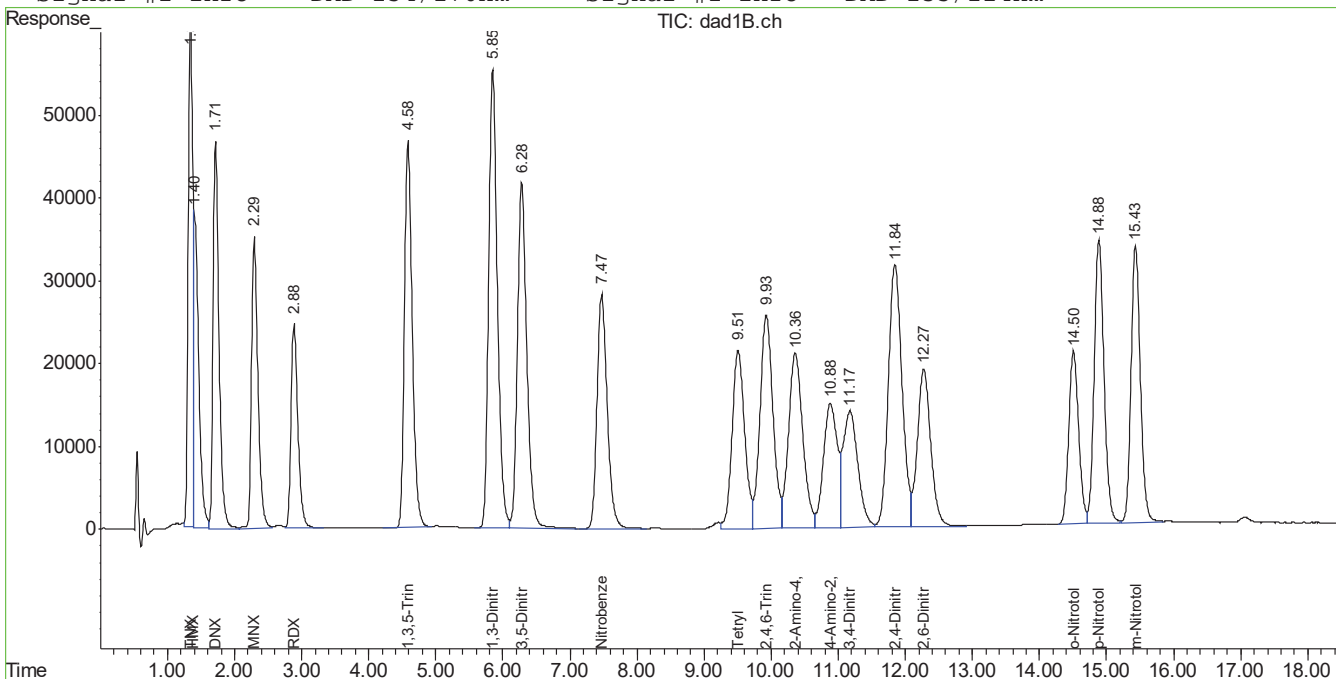
7.7.9
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050333.D\dad1B.ch Vial: 42
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050333.D\dad1A.ch
 Acq On : 15-Mar-2016, 07:57:08 Operator: kismet1
 Sample : cc1412-1000 Inst : G1315B
 Misc : op59619,GBB1423,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 8:04 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



6.7.7
7

Manual Integration Approval Summary

Sample Number: GBB1423-CC1412 **Method:** SW846 8330B
Lab FileID: BB050333.D **Analyst approved:** 03/16/16 09:37 Kismet Lugo
Injection Time: 03/15/16 07:57 **Supervisor approved:** 03/16/16 12:13 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
TNX		1	1.34	Overlapping peak
HMX	2691-41-0	1	1.40	Overlapping peak
3,5-Dinitroaniline	618-87-1	2	6.28	Poor instrument integration
Nitrobenzene	98-95-3	2	7.47	Poor instrument integration
o-Nitrotoluene	88-72-2	1	14.50	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.51	Poor instrument integration
p-Nitrotoluene	99-99-0	1	14.88	Poor instrument integration
p-Nitrotoluene	99-99-0	2	14.89	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.43	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.43	Poor instrument integration
PETN	78-11-5	2	17.06	Poor instrument integration

7.7.9.1

7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050344.D\dad1B.ch Vial: 42
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050344.D\dad1A.ch
 Acq On : 15-Mar-2016, 12:46:33 Operator: kismet1
 Sample : cc1412-1000 Inst : G1315B
 Misc : op59619,GBB1423,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 06:50:28 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.20	11.20	2138563	3703767	936.826	991.336
	Spiked Amount	500.000	Range	70 - 136	Recovery	= 187.37%#	198.27%#

Target Compounds

1)	TNX	1.34	1.34	2818869	4344689	909.819m	956.787
2)	HMX	1.40	1.42	1634544	4981719	934.906m	1020.040
3)	DNX	1.72	1.72	2846413	4681553	948.996	1007.434
4)	MNX	2.30	2.30	2325762	3648005	977.613	972.109
5)	RDX	2.89	2.89	1732719	2809546	946.682	975.433
6)	1,3,5-Trinitrobe	4.59	4.59	3767939	7406271	978.138	982.819
7)	1,3-Dinitrobenze	5.85	5.85	4969810	3549069	980.178	1023.600
8)	3,5-Dinitroanili	6.28	6.27	4043062	6816851	894.186	910.298m
9)	Nitrobenzene	7.49	7.48	2996491	2906401	1002.356	998.753m
10)	Nitroglycerin	0.00	9.24	0	5918931	N.D.	4828.560 #
11)	Tetryl	9.52	9.51	2871160	4852551	1074.443	1053.023
12)	2,4,6-Trinitroto	9.94	9.94	3448951	4103584	1023.608	1047.555
13)	2-Amino-4,6-Dini	10.37	10.37	3124319	4582284	1012.974	1104.581
14)	4-Amino-2,6-Dini	10.90	10.90	2135431	4270535	952.924	1009.714
16)	2,4-Dinitrotolue	11.87	11.87	4472701	2885342	972.792	1026.339
17)	2,6-Dinitrotolue	12.30	12.30	2590902	3343736	968.623	1023.802
18)	o-Nitrotoluene	14.53	14.53	2131333	2937142	993.864m	1038.971m
19)	p-Nitrotoluene	14.90	14.90	3423268	2987033	990.891m	1106.773m
20)	m-Nitrotoluene	15.45	15.45	3160647	3820176	990.830m	1067.783m
21)	PETN	0.00	17.08	0	6691940	N.D.	d 4921.850m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050344.D 8330B_0224.M Wed Mar 16 09:20:04 2016

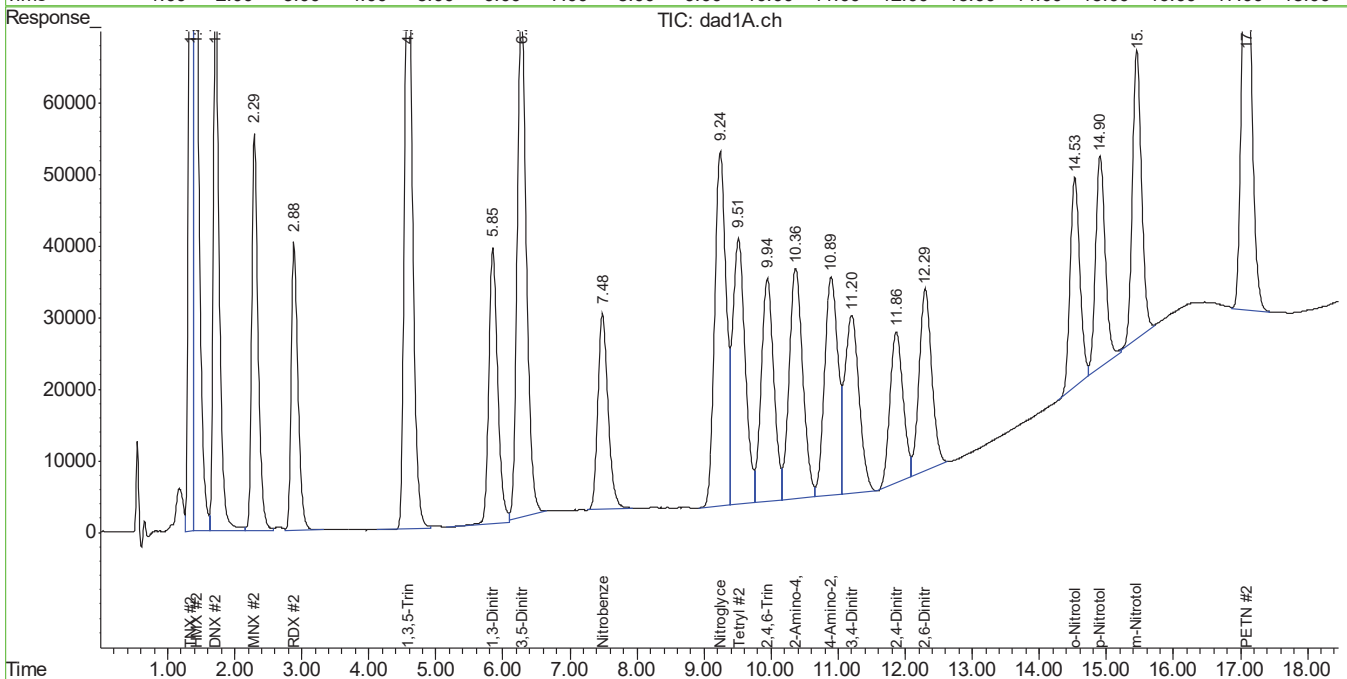
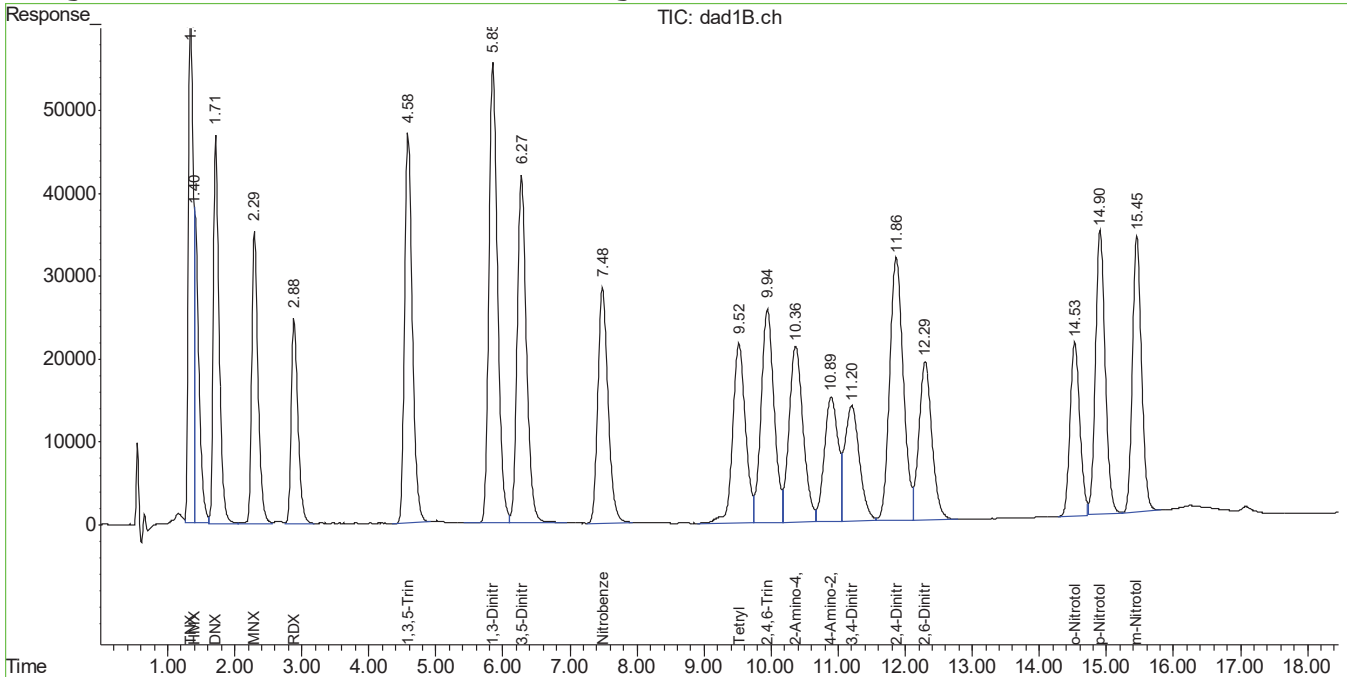
7.7.10
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050344.D\dad1B.ch Vial: 42
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050344.D\dad1A.ch
 Acq On : 15-Mar-2016, 12:46:33 Operator: kismet1
 Sample : cc1412-1000 Inst : G1315B
 Misc : op59619,GBB1423,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 8:01 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.7.10
7

Manual Integration Approval Summary

Sample Number: GBB1423-CC1412 **Method:** SW846 8330B
Lab FileID: BB050344.D **Analyst approved:** 03/16/16 09:37 Kismet Lugo
Injection Time: 03/15/16 12:46 **Supervisor approved:** 03/16/16 12:13 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
TNX		1	1.34	Overlapping peak
HMX	2691-41-0	1	1.40	Overlapping peak
3,5-Dinitroaniline	618-87-1	2	6.27	Poor instrument integration
Nitrobenzene	98-95-3	2	7.48	Poor instrument integration
o-Nitrotoluene	88-72-2	1	14.53	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.53	Poor instrument integration
p-Nitrotoluene	99-99-0	1	14.90	Poor instrument integration
p-Nitrotoluene	99-99-0	2	14.90	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.45	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.45	Poor instrument integration
PETN	78-11-5	2	17.08	Poor instrument integration

7.7.10.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050500.D\dad1B.ch Vial: 2
 Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050500.D\dad1A.ch
 Acq On : 18-Mar-2016, 08:54:20 Operator: kismet1
 Sample : cc1412-1000 Inst : G1315B
 Misc : op59692,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 18 14:10:03 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Fri Mar 18 14:09:43 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.04	11.04	2137500	3737111	936.360	999.748
	Spiked Amount	500.000	Range	69 - 134	Recovery	= 187.27%#	199.95%#

Target Compounds

1)	TNX	1.32	1.33	3072240	4245173	991.597m	934.872
2)	HMX	1.38	1.40	1900083	5202840	1086.786m	1065.316
3)	DNX	1.69	1.69	2935322	4743016	978.638	1020.196
4)	MNX	2.25	2.25	2374244	3714863	997.992	989.926
5)	RDX	2.83	2.83	1770871	2864159	967.527	994.394
6)	1,3,5-Trinitrobe	4.49	4.49	3853114	7542459	1000.249	1000.892
7)	1,3-Dinitrobenze	5.77	5.77	5085963	3571795	1003.087	1030.155
8)	3,5-Dinitroanili	6.16	6.16	4149083	6994921	917.634	934.077m
9)	Nitrobenzene	7.47	7.47	3105898	2932715	1038.954	1007.796m
10)	Nitroglycerin	0.00	9.10	0	5986364	N.D.	4883.571 #
11)	Tetryl	9.35	9.34	2917580	4999645	1091.814	1084.943
12)	2,4,6-Trinitroto	9.76	9.76	3528667	4245257	1047.267	1083.721
13)	2-Amino-4,6-Dini	10.17	10.17	3212262	4803836	1040.084	1157.987
14)	4-Amino-2,6-Dini	10.71	10.71	2205852	4498772	984.349	1059.340
16)	2,4-Dinitrotolue	11.72	11.72	4590894	2966207	998.499	1055.103
17)	2,6-Dinitrotolue	12.19	12.19	2646985	3418901	989.590	1046.816
18)	o-Nitrotoluene	14.54	14.54	2158906	3009107	1006.721m	1064.427m
19)	p-Nitrotoluene	14.89	14.89	3523322	3045330	1019.853m	1128.374m
20)	m-Nitrotoluene	15.45	15.45	3248222	3878176	1018.284m	1083.994m
21)	PETN	0.00	16.96	0	3029574	N.D.	d 2228.219m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050500.D 8330B_0224.M Fri Mar 18 14:31:15 2016

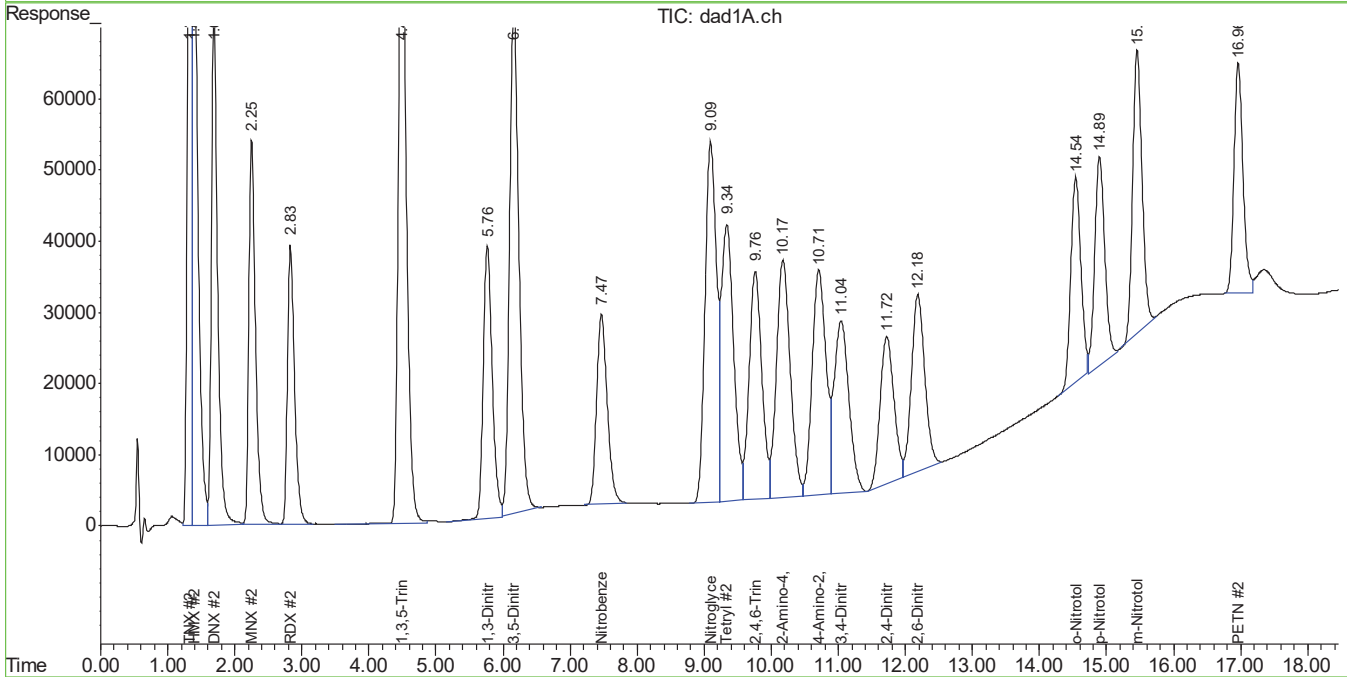
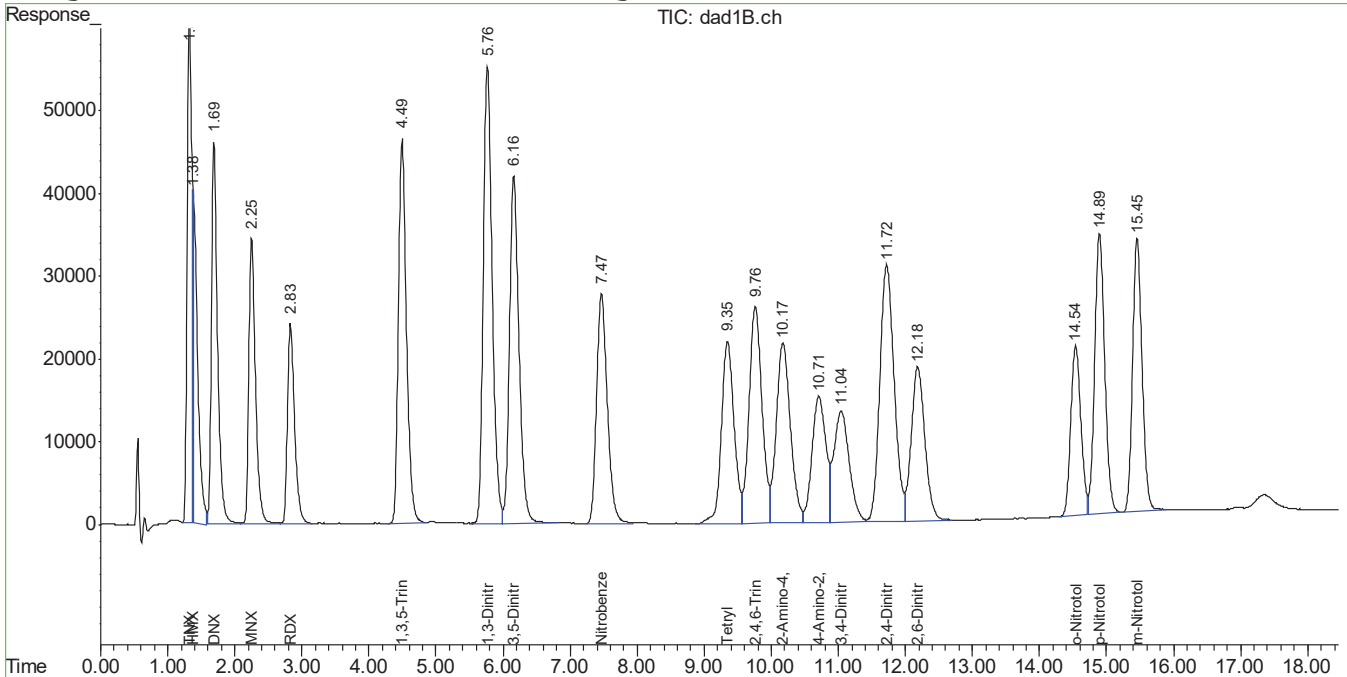
7.7.11
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050500.D\dad1B.ch Vial: 2
 Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050500.D\dad1A.ch
 Acq On : 18-Mar-2016, 08:54:20 Operator: kismet1
 Sample : cc1412-1000 Inst : G1315B
 Misc : op59692,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 18 14:15 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Fri Mar 18 14:09:43 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.7.11
7

Manual Integration Approval Summary

Sample Number: GBB1426-CC1412 Method: SW846 8330B SCREEN
Lab FileID: BB050500.D Analyst approved: 03/18/16 14:52 Kismet Lugo
Injection Time: 03/18/16 08:54 Supervisor approved: 03/18/16 16:22 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
HMX	2691-41-0	1	1.38	Overlapping peak
3,5-Dinitroaniline	618-87-1	2	6.16	Poor instrument integration
Nitrobenzene	98-95-3	2	7.47	Poor instrument integration
o-Nitrotoluene	88-72-2	1	14.54	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.54	Poor instrument integration
p-Nitrotoluene	99-99-0	1	14.89	Poor instrument integration
p-Nitrotoluene	99-99-0	2	14.89	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.45	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.45	Poor instrument integration
PETN	78-11-5	2	16.96	Poor instrument integration

7.7.11.1

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Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050510.D\dad1B.ch Vial: 2
 Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050510.D\dad1A.ch
 Acq On : 18-Mar-2016, 13:26:30 Operator: kismet1
 Sample : cc1412-1000 Inst : G1315B
 Misc : op59692,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 18 14:46:26 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Fri Mar 18 14:09:43 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.08	11.08	2119029	3714151	928.268	993.957
	Spiked Amount	500.000	Range	69 - 134	Recovery	= 185.65%#	198.79%#

Target Compounds

1)	TNX	1.32	1.33	2970143	4274381	958.644m	941.304
2)	HMX	1.38	1.40	1854032	5219852	1060.447m	1068.799
3)	DNX	1.69	1.69	2944078	4751436	981.558	1021.944
4)	MNX	2.25	2.25	2376084	3725667	998.765	992.805
5)	RDX	2.83	2.83	1780014	2881832	972.523	1000.529
6)	1,3,5-Trinitrobe	4.50	4.50	3865799	7598407	1003.542	1008.316
7)	1,3-Dinitrobenze	5.78	5.78	5100236	3623132	1005.902	1044.961
8)	3,5-Dinitroanili	6.17	6.17	4150469	7084185	917.940	945.997m
9)	Nitrobenzene	7.49	7.49	3059383	2913730	1023.394	1001.272m
10)	Nitroglycerin	0.00	9.12	0	6038219	N.D.	4925.873 #
11)	Tetryl	9.37	9.36	2930273	5021509	1096.564	1089.688
12)	2,4,6-Trinitroto	9.79	9.79	3522301	4257682	1045.377	1086.893
13)	2-Amino-4,6-Dini	10.20	10.20	3221200	4822647	1042.835	1162.522
14)	4-Amino-2,6-Dini	10.74	10.74	2222702	4517548	991.868	1063.406
16)	2,4-Dinitrotolue	11.76	11.76	4604099	2983115	1001.371	1061.117
17)	2,6-Dinitrotolue	12.22	12.22	2638831	3409043	986.542	1043.798
18)	o-Nitrotoluene	14.57	14.57	2153776	2992873	1004.329m	1058.685m
19)	p-Nitrotoluene	14.93	14.93	3494563	2985693	1011.528m	1106.277m
20)	m-Nitrotoluene	15.49	15.49	3232484	3832715	1013.350m	1071.287m
21)	PETN	0.00	16.99	0	2578113	N.D.	1896.174m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050510.D 8330B_0224.M Fri Mar 18 14:51:26 2016

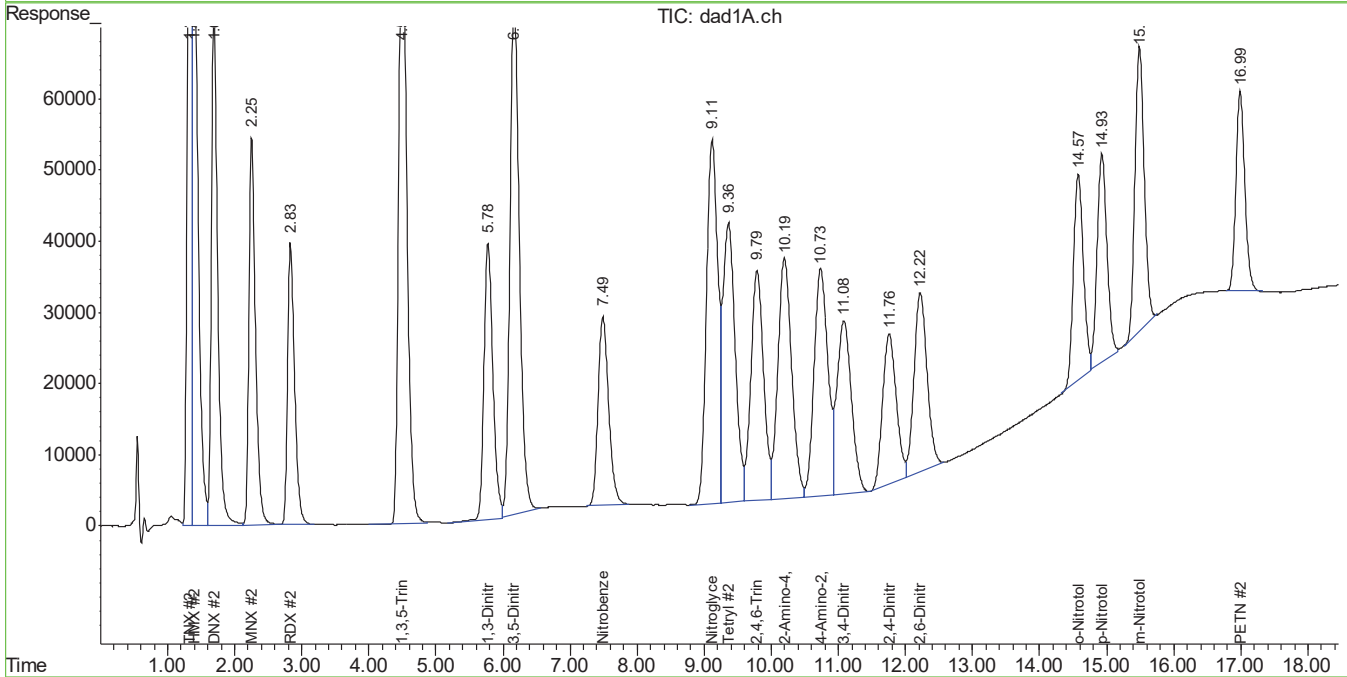
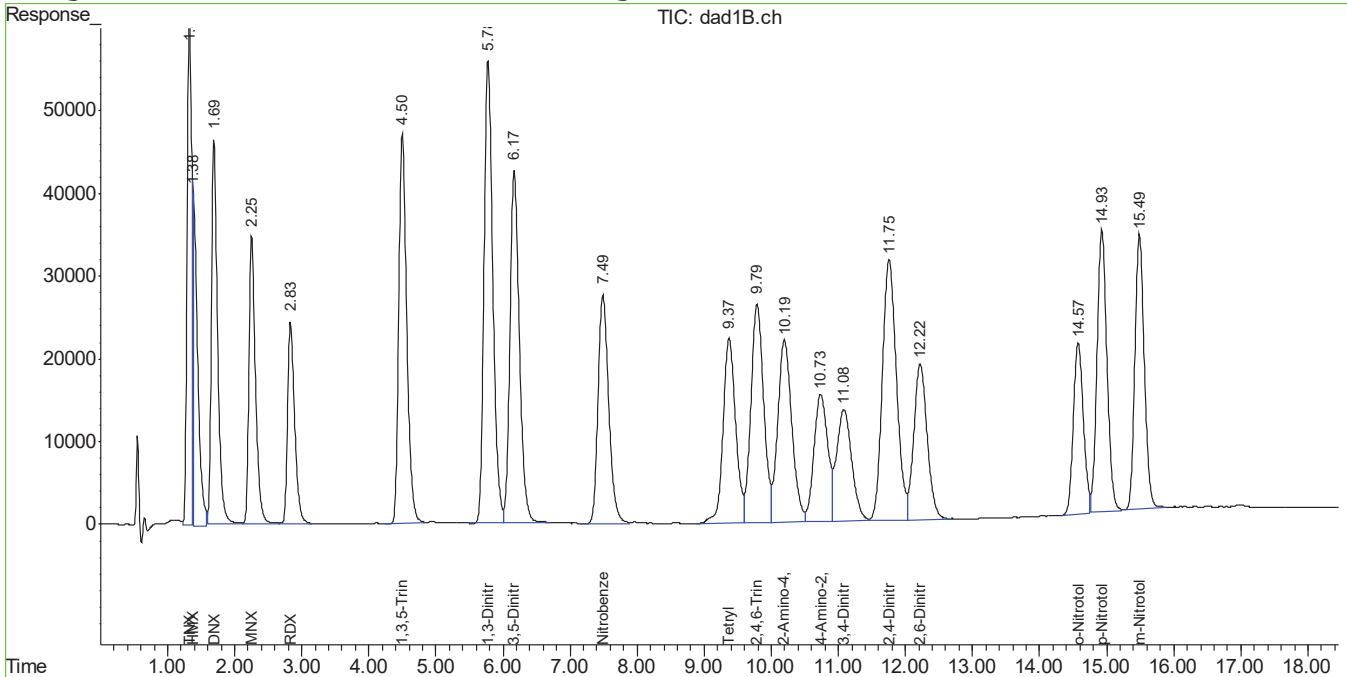
7.7.12
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050510.D\dad1B.ch Vial: 2
 Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050510.D\dad1A.ch
 Acq On : 18-Mar-2016, 13:26:30 Operator: kismet1
 Sample : cc1412-1000 Inst : G1315B
 Misc : op59692,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 18 14:47 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Fri Mar 18 14:09:43 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.7.12
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Manual Integration Approval Summary

Sample Number: GBB1426-CC1412 **Method:** SW846 8330B SCREEN
Lab FileID: BB050510.D **Analyst approved:** 03/18/16 14:52 Kismet Lugo
Injection Time: 03/18/16 13:26 **Supervisor approved:** 03/18/16 16:22 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
HMX	2691-41-0	1	1.38	Overlapping peak
3,5-Dinitroaniline	618-87-1	2	6.17	Poor instrument integration
Nitrobenzene	98-95-3	2	7.49	Poor instrument integration
o-Nitrotoluene	88-72-2	1	14.57	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.57	Poor instrument integration
p-Nitrotoluene	99-99-0	1	14.93	Poor instrument integration
p-Nitrotoluene	99-99-0	2	14.93	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.49	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.49	Poor instrument integration
PETN	78-11-5	2	16.99	Poor instrument integration

7.7.12.1
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Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050522.D\dad1B.ch Vial: 2
 Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050522.D\dad1A.ch
 Acq On : 18-Mar-2016, 18:32:16 Operator: kismet1
 Sample : cc1412-1000 Inst : G1315B
 Misc : op59692,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 21 06:37:09 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Fri Mar 18 14:09:43 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.14	11.14	2131231	3727441	933.614	997.310
	Spiked Amount	500.000	Range	69 - 134	Recovery	= 186.72%#	199.46%#

Target Compounds

1)	TNX	1.33	1.33	3054077	4287530	985.735m	944.200
2)	HMX	1.38	1.41	2008943	5363437	1149.051m	1098.199
3)	DNX	1.70	1.70	3369416	5240019	1123.365	1122.988
4)	MNX	2.26	2.26	2402001	3727247	1009.659m	993.225m
5)	RDX	2.84	2.84	1815248	2899211	991.773	1006.563
6)	1,3,5-Trinitrobe	4.51	4.51	3881227	7624957	1007.547	1011.839
7)	1,3-Dinitrobenze	5.80	5.80	5144816	3640445	1014.694	1049.954
8)	3,5-Dinitroanili	6.19	6.19	4188682	7110773	926.392	949.547m
9)	Nitrobenzene	7.52	7.52	3069311	2949895	1026.716	1013.700m
10)	Nitroglycerin	0.00	9.15	0	6069563	N.D.	4951.443 #
11)	Tetryl	9.41	9.40	2923887	4997961	1094.174	1084.578
12)	2,4,6-Trinitroto	9.83	9.83	3550415	4270203	1053.721	1090.089
13)	2-Amino-4,6-Dini	10.24	10.24	3225310	4803186	1044.100	1157.830
14)	4-Amino-2,6-Dini	10.79	10.79	2221285	4491263	991.236	1057.713
16)	2,4-Dinitrotolue	11.80	11.81	4628392	2994644	1006.655	1065.218
17)	2,6-Dinitrotolue	12.27	12.27	2652379	3417084	991.607	1046.260
18)	o-Nitrotoluene	14.62	14.62	2139934	2985529	997.875m	1056.087m
19)	p-Nitrotoluene	14.97	14.96	3485127	2984173	1008.797m	1105.713m
20)	m-Nitrotoluene	15.52	15.52	3215427	3821945	1008.003m	1068.277m
21)	PETN	0.00	17.01	0	2663772	N.D.	d 1959.176m

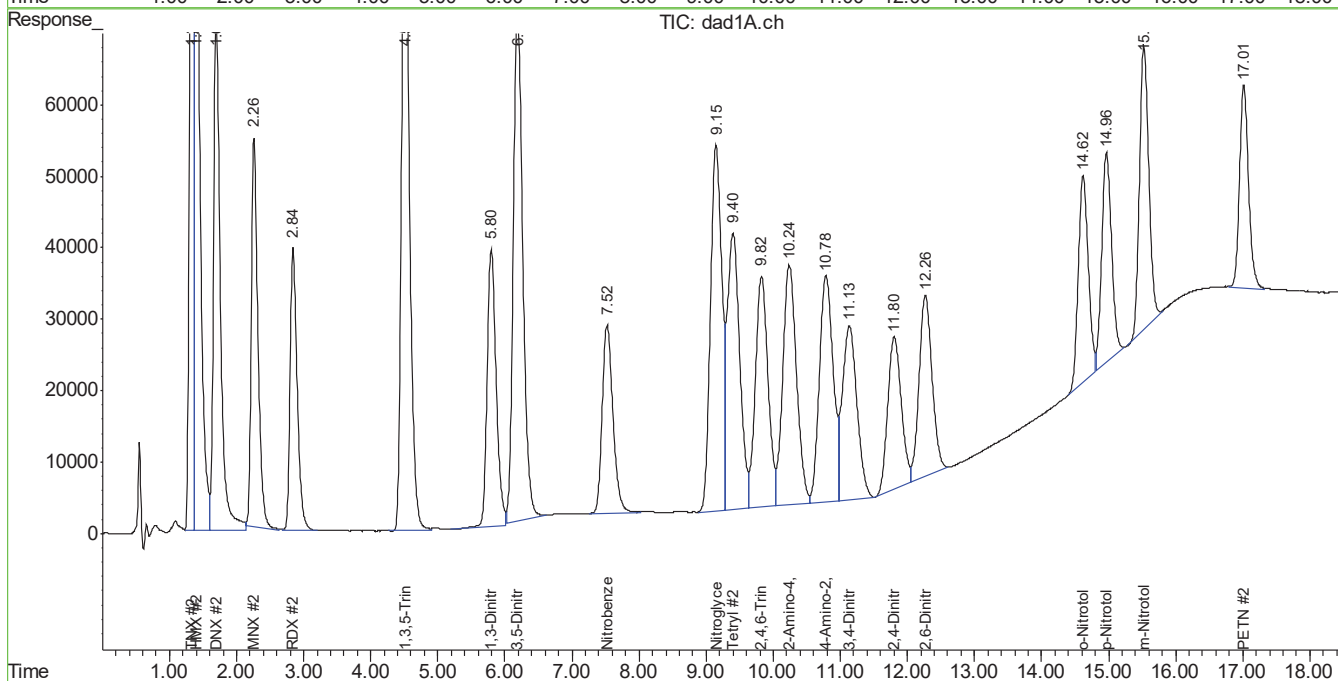
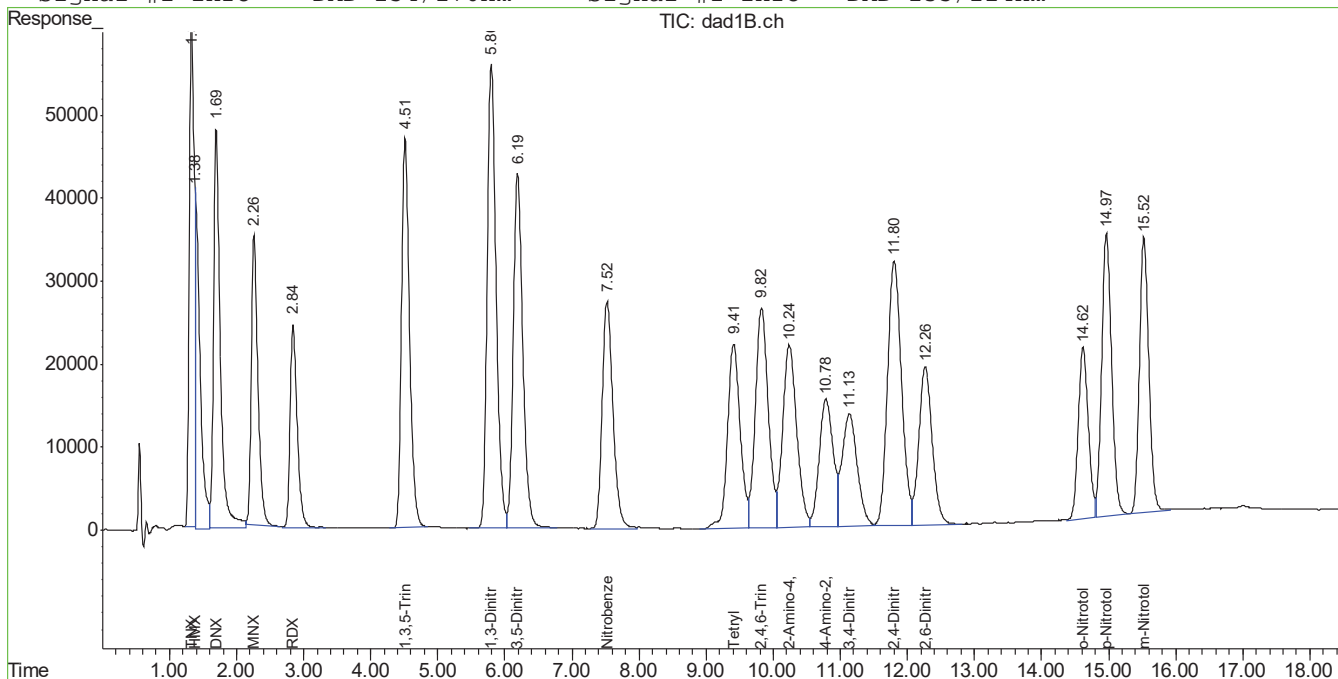
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050522.D 8330B_0224.M Mon Mar 21 08:43:40 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050522.D\dad1B.ch Vial: 2
 Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050522.D\dad1A.ch
 Acq On : 18-Mar-2016, 18:32:16 Operator: kismet1
 Sample : cc1412-1000 Inst : G1315B
 Misc : op59692,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 21 6:50 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Fri Mar 18 14:09:43 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.7.13
7

Manual Integration Approval Summary

Sample Number: GBB1426-CC1412 **Method:** SW846 8330B SCREEN
Lab FileID: BB050522.D **Analyst approved:** 03/21/16 09:02 Kismet Lugo
Injection Time: 03/18/16 18:32 **Supervisor approved:** 03/21/16 14:23 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
HMX	2691-41-0	1	1.38	Overlapping peak
3,5-Dinitroaniline	618-87-1	2	6.19	Poor instrument integration
Nitrobenzene	98-95-3	2	7.52	Poor instrument integration
o-Nitrotoluene	88-72-2	1	14.62	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.62	Poor instrument integration
p-Nitrotoluene	99-99-0	2	14.96	Poor instrument integration
p-Nitrotoluene	99-99-0	1	14.97	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.52	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.52	Poor instrument integration
PETN	78-11-5	2	17.01	Poor instrument integration

7.7.13.1
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Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050534.D\dad1B.ch Vial: 5
 Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050534.D\dad1A.ch
 Acq On : 18-Mar-2016, 23:38:14 Operator: kismet1
 Sample : cc1412-1000 Inst : G1315B
 Misc : op59692,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 21 06:37:21 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Fri Mar 18 14:09:43 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.18	11.18	2138094	3730799	936.620	998.157
	Spiked Amount	500.000	Range	69 - 134	Recovery	= 187.32%#	199.63%#

Target Compounds

1)	TNX	1.33	1.33	3040047	4273541	981.206m	941.119
2)	HMX	1.38	1.41	1932804	5235192	1105.502m	1071.940
3)	DNX	1.70	1.70	2952110	4761866	984.235	1024.108
4)	MNX	2.27	2.27	2386234	3749163	1003.032	999.066
5)	RDX	2.85	2.85	1799197	2902543	983.003	1007.720
6)	1,3,5-Trinitrobe	4.53	4.53	3874170	7623322	1005.715	1011.622
7)	1,3-Dinitrobenze	5.82	5.82	5125041	3640047	1010.794	1049.840
8)	3,5-Dinitroanili	6.21	6.21	4184141	7110405	925.387	949.498m
9)	Nitrobenzene	7.55	7.55	3100570	2985706	1037.172	1026.005m
10)	Nitroglycerin	0.00	9.17	0	6065958	N.D.	4948.503 #
11)	Tetryl	9.44	9.43	2919638	4981893	1092.584	1081.091
12)	2,4,6-Trinitroto	9.86	9.86	3542820	4253258	1051.467	1085.764
13)	2-Amino-4,6-Dini	10.28	10.28	3228897	4794527	1045.204	1155.743
14)	4-Amino-2,6-Dini	10.83	10.83	2218907	4482844	990.175	1055.889
16)	2,4-Dinitrotolue	11.84	11.85	4623816	2998034	1005.659	1066.424
17)	2,6-Dinitrotolue	12.31	12.31	2649521	3425617	990.538	1048.872
18)	o-Nitrotoluene	14.66	14.65	2207919	3064165	1029.577	1083.903m
19)	p-Nitrotoluene	15.00	15.00	3541476	3035777	1025.107m	1124.834m
20)	m-Nitrotoluene	15.56	15.56	3269748	3870989	1025.032m	1081.986m
21)	PETN	0.00	17.03	0	2502356	N.D.	1840.456m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050534.D 8330B_0224.M Mon Mar 21 08:43:52 2016

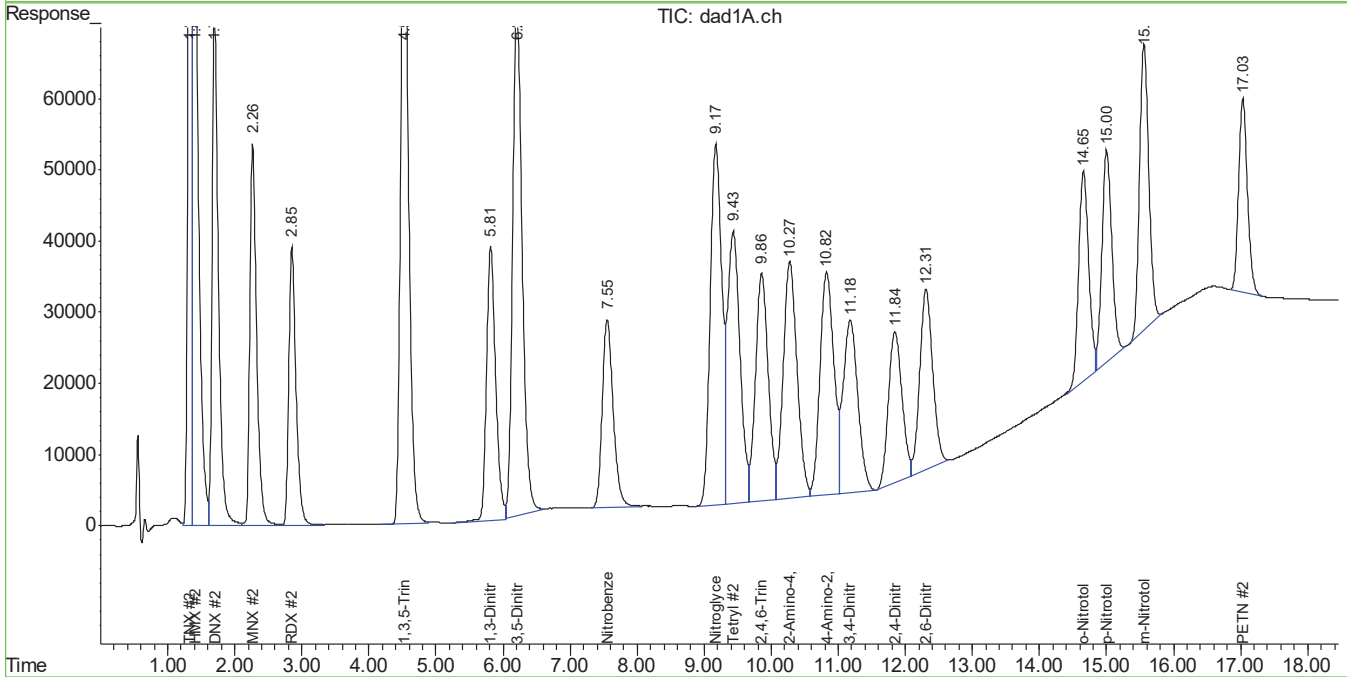
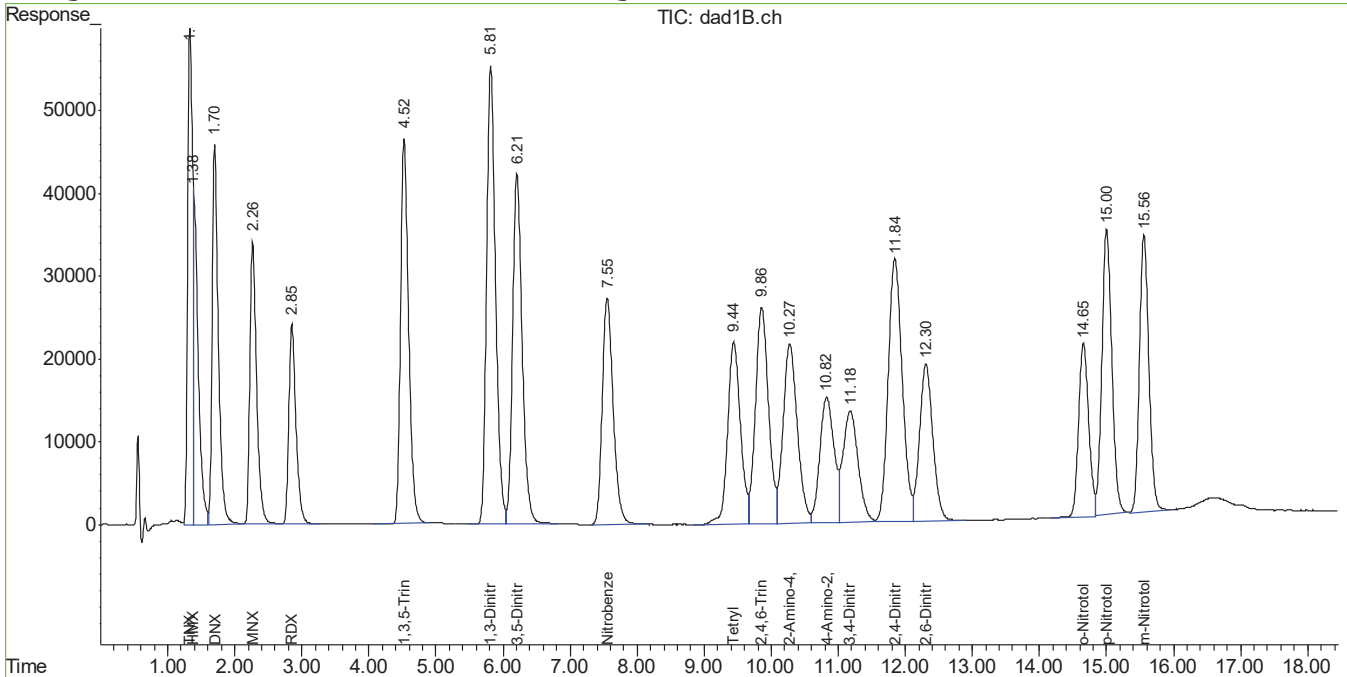
7.7.14
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Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0318BPL\BB050534.D\dad1B.ch Vial: 5
 Signal #2 : C:\HPCHEM\1\DATA\0318BPL\BB050534.D\dad1A.ch
 Acq On : 18-Mar-2016, 23:38:14 Operator: kismet1
 Sample : cc1412-1000 Inst : G1315B
 Misc : op59692,GBB1426,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 21 6:52 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Fri Mar 18 14:09:43 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.7.14
7

Manual Integration Approval Summary

Sample Number: GBB1426-CC1412 Method: SW846 8330B SCREEN
Lab FileID: BB050534.D Analyst approved: 03/21/16 09:02 Kismet Lugo
Injection Time: 03/18/16 23:38 Supervisor approved: 03/21/16 14:23 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
HMX	2691-41-0	1	1.38	Overlapping peak
3,5-Dinitroaniline	618-87-1	2	6.21	Poor instrument integration
Nitrobenzene	98-95-3	2	7.55	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.65	Poor instrument integration
p-Nitrotoluene	99-99-0	1	15.00	Poor instrument integration
p-Nitrotoluene	99-99-0	2	15.00	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.56	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.56	Poor instrument integration
PETN	78-11-5	2	17.03	Poor instrument integration

7.7.14.1
7

ACCUTEST LABORATORIES SE

DATE: 02/24/16
 COLUMN TYPE: Ext CIP
 AMOUNT INJECTED: 1.00 µl
 INSTRUMENT: HPLC5-BB

HPLC5-BB ANALYSIS LOG

METHODS: 8330 A/B
 ACQ. METHOD: 8330 B
 PROC. METHOD: 8330 - A2D
 CALIB. DATE: 02/24/16
 RUN BATCH: GBB 1412

ANALYST: KA
 ACETONITRILE LOT #: 3106
 MEQH LOT #: 157312
 HEAD PRESSURE: 199

02/24/16
 0224

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	OP BATCH	DF	MANUALLY INTEGRATED PEAKS RATIONALE, PEAK #	COMMENTS
BB 049964	1	solvent	8330				ND
BB 65	2	CC1404-1000	8330	LC650	1:1		PETN ↓
BB 66	11	IC1412-20			50+400% 50+500%	HMX-DMXOR P11	✓
BB 67	12	IC1412-50			10+390	↓	✓
BB 68	13	IC1412-100			25+475	↓	✓
BB 69	14	IC1412-200			50+430	↓	✓
BB 70	15	IC1412-500			3+1	↓	✓
BB 71	16	IC1412-1000			1:1	↓	✓
BB 72	17	IC1412-2000			IX	↓	✓ Para 10/21/11
BB 73	18	IC1412-500			*	↓	✓ Para 4/15/12
BB 74	11	CC1412-20			50+400% 50+500%		✓ Para 2/6/12
BB 75	3	FA31309-1		LC650		HMX-DMXOR ↓	✓ Para 2/6/12
BB 76	4	OP59394-MS		OP59394	IX	P11	✓ Para 2/6/12
BB 77	5	OP59394-MSD				P11	✓ Para 2/6/12
BB 78	6	FA31309-2				P11	✓ Para 2/6/12
BB 79	7	OP59394-dup					ND
BB 80	8	OP59394-dup2					ND
BB 81	19	OP59454-b5					ND
BB 82	20	OP59454-m6		OP59454	IX	PDB	✓
BB 83	21	FA31602-1				P11	ND

* For NELAC purposes, Method 8332 includes analytes by SOP GC020
 Manual Integration Rationale SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument Integration
 All strikeouts must be initiated and dated. If correction was not due to a transcription error, then list the reason for correction.

Analyst's Signature: *Kimmet*



ACCUTEST LABORATORIES SE
 DATE: ~~03/14/16~~ 03/15/16
 COLUMN TYPE: EXT CIP
 AMOUNT INJECTED: 1.00 ul
 INSTRUMENT: HPLC5-BB

HPLC5-BB ANALYSIS LOG

METHODS: 8330 A/B
 ACQ. METHOD: 8330 B
 PROC. METHOD: 8330-0224
 CALIB. DATE: 02/24/16
 RUN BATCH: GBB 1423

ANALYST: LC
 ACETONITRILE LOT #: 3106
 MEQH LOT #: 158731
 HEAD PRESSURE: 512

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	OP BATCH	DF	MANUALLY INTEGRATED PEAKS RATIONALE, PEAK #	COMMENTS
BB 050330	1	solvent	8330				
BB 31	2	CC1412-1000		LC656			ND
BB 32	41	FA871-22 E5381		E5381	1:1	TNX-AMX0851 P11	Pass, NO PESTW, with required
BB 33	42	CC1412-1000		LC658	1:1	TNX-AMX0851, P11	Pass
BB 34	43	OP59619-bs		OP59619	1X	PDX0851 P11	Pass
BB 35	44	OP59619-m6				P11	ND
BB 36	45	FA31932-4				P11	ND
BB 37	46	FA31884-30				P11	ND
BB 38	47	OP59710-bs		OP59710		P11	✓
BB 39	48	OP59710-bs bst				P11	✓
BB 40	49	OP59710-pt1				NGOP P11	✓
BB 41	50	OP59710-pt1.phc				P11	✓
BB 42	51	OP59710-m6				P11	ND
BB 43	52	FA31932-f				P11	ND
BB 44	42	CC1412-1000		LC658	1:1	TNX-AMX0851, P11	Pass
BB 45	1	celbo					ND
BB 46	53	FA31932-1				P11	ND
BB 47	54	OP59710-ms		OP59710	1X	P11	✓
BB 48	55	OP59710-wd1				P11	✓
BB 49	56	FA31932-5				P11	ND

* For NELAC purposes, Method 8332 includes analytes by SOP GC020
 Manual Integration Rationale SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument Integration
 All strikeouts must be initialed and dated. If correction was not due to a transcription error, then list the reason for correction.

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Analyst's Signature: Kimet Lye
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ACCUTEST LABORATORIES SE

DATE: 03/15/16
 COLUMN TYPE: Ext C18
 AMOUNT INJECTED: 100 ul
 INSTRUMENT: HPLC5-BB

HPLC5-BB ANALYSIS LOG

METHODS*: 8330A/B
 ACQ. METHOD: 8330B
 PROC. METHOD: 8330-0224
 CALIB. DATE: 02/24/16
 RUN BATCH: GBB 1423

ANALYST: KU
 ACETONITRILE LOT #: 3106
 MEQH LOT #: 158731
 HEAD PRESSURE: 212

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	OP BATCH	DF	MANUALLY INTEGRATED PEAKS RATIONALE, PEAK #	COMMENTS
BB 050350	57	0P59710-dup	8330	0P59710	1X	P11	ND
BB 51	58	0P59710-dup2				P11	ND
BB 52	59	PA31932-9				P11	ND
BB 53	60	PA31932-14				P11	ND
BB 54	61	grind blk a					ND
BB 55	62	grind blk b					ND
BB 56	85	ce-1412-1000					Pam
BB 57	63	grind blk c					ND
BB 58	64	0P59692-bx			1X	P11	✓
BB 59	65	0P59692-mb				P11	ND
BB 60	66	PA31928-1				P11	✓ Pam 100X
BB 61	67	PA31928-2				P11	✓
BB 62	68	PA31928-3				P11	✓
BB 63	69	PA31928-4				P11	ND
BB 64	70	PA31928-5				P11	✓
BB 65	71	PA31928-6				P11	ND
BB 66	72	PA31928-7				P11	ND
BB 67	85	ce-1412-1000					Pam
BB 68	1	ce b					ND
BB 69	73	PA31928-f			1X	P11	✓

* For NELAC purposes, Method 8332 includes analytes by SOP GC020
 Manual Integration Rationale SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, P11 Poor Instrument Integration
 All strikeouts must be initialed and dated. If correction was not due to a transcription error, then list the reason for correction.

hplc5_bb_log.xls NF rev. 08/09

Analyst's Signature: Kimberly

ACCUTEST LABORATORIES SE

DATE: 03/15/16
 COLUMN TYPE: Ext C18
 AMOUNT INJECTED: 100 ul
 INSTRUMENT: HPLC5-BB

HPLC5-BB ANALYSIS LOG

METHODS*: 8330 A/B
 ACQ. METHOD: 8330 B
 PROC. METHOD: 8330-0224
 CALIB. DATE: 02/24/16
 RUN BATCH: GBB 1473

ANALYST: KL
 ACETONITRILE LOT #: 3106
 MEQH LOT #: 158731
 HEAD PRESSURE: 212

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	OP BATCH	DF	MANUALLY INTEGRATED PEAKS RATIONALE, PEAK #	COMMENTS
BB 050370	74	FA31928-9	8330	085969	IX	P11	✓
BB 71	75	FA31928-10				P11	ND
BB 72	76	FA31928-11				P11	ND
BB 73	77	FA31928-12				P11	ND
BB 74	78	FA31928-13				P11	ND
BB 75	79	FA31928-14				P11	ND
BB 76	80	FA31928-15				P11	ND
BB 77	81	FA31928-16				P11	ND
BB 78	82	FA31928-17				P11	ND
BB 79	85	CEL412-1000		LC658	1:1	TNX-AMX085, P11 det 0851	Pass
BB 80	1	cel					ND
BB 81	83	FA31928-18		085962	IX	P11	ND
BB 82	84	FA31928-19				P11	ND
BB 83	85	CEL412-1000		LC658	1:1	TNX-AMX085, P11	Pass
BB						11A	
BB						03/16/16	
BB							
BB							
BB							
BB							

* For NELAC purposes, Method 8332 includes analytes by SOP GC020
 Manual Integration Rationale SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument Integration
 All strikeouts must be initiated and dated. If correction was not due to a transcription error, then list the reason for correction.

Analyst's Signature: *Harold Lyp*

ACCUTEST LABORATORIES SE

DATE: 03/18/16
 COLUMN TYPE: Ext C18
 AMOUNT INJECTED: 100 ul
 INSTRUMENT: HPLC5-BB

HPLC5-BB ANALYSIS LOG

METHODS: 8330AB
 ACQ. METHOD: 8330B
 PROC. METHOD: 8330 0224
 CALIB. DATE: 02/24/16
 RUN BATCH: GBB 1426

ANALYST: K
 ACETONITRILE LOT #: 3106
 MEQH LOT #: 158731
 HEAD PRESSURE: 216

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	OP BATCH	DF	MANUALLY INTEGRATED PEAKS RATIONALE, PEAK #	COMMENTS
BB 050495	1	solvent	8330				ND
BB 96	2	CC1412-1000		LC658	1:1	TNX-HMXOR P11	PETNUL 2A P52
BB 97	63	OP59709-MSD		OP59709	IX		✓ DNR wrong batch
BB 98	71	FA31968-8		OP59696	10+490	P11	✓
BB 99	72	FA31928-2		OP59692	50+450	P11	✓
BB 050500	2	CC1412-1000		LC658	1:1	TNX-HMXOR P11	PETNUL 2A P52
BB 01	1	cell					ND
BB 02	3	FA871-23		ES87	101390	P11	Pass
BB 03	73	OP59727-bj		OP59727	IX	P11	✓
BB 04	74	OP59727-pt1				P11 NG-ox	✓
BB 05	75	OP59727-pt1.ph.				P11	✓
BB 06	76	OP59727-mb				P11	ND
BB 07	77	FA31884-1				P11	NR
BB 08	78	OP59727-MS				P11	✓
BB 09	4	OP59728-MSD				P11	✓
BB 10	2	CC1412-1000		OP59728	↓		✓
BB 11	1	cell		LC658	1:1	TNX-HMXOR P11	PETNUL 2A P52
BB 12	79	OP59727-MSD					IND
BB 13	80	FA31884-5		OP59727	IX	P11	ND
BB 14	81	FA31884-8			↓		ND

* For NELAC purposes, Method 8332 includes analytes by SOP GC020
 Manual Integration Rationale SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument Integration
 All strikeouts must be initiated and dated. If correction was not due to a transcription error, then list the reason for correction.

Analyst's Signature: *Wimut-lyp*

ACCUTEST LABORATORIES SE

DATE: 03/18/11
 COLUMN TYPE: EXT-CIF
 AMOUNT INJECTED: 100 ul
 INSTRUMENT: HPLC5-BB

HPLC5-BB ANALYSIS LOG

METHODS: 8330 A/B
 ACQ. METHOD: 8330 B
 PROC. METHOD: 8330-0224
 CALIB. DATE: 02/24/16
 RUN BATCH: GBB 1426

ANALYST: KA
 ACETONITRILE LOT #: 3106
 MEQH LOT #: 157231
 HEAD PRESSURE: 216

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	OP BATCH	DF	MANUALLY INTEGRATED PEAKS RATIONALE, PEAK #	COMMENTS
BB 050515	82	FA31884-11	8330	0P59727	1X		ND
BB 16	83	FA31884-14				P11	ND
BB 17	84	FA31884-17					ND
BB 18	85	FA31884-20				P11	ND
BB 19	86	FA31884-21					ND
BB 20	87	OP59727-dup				P11	ND
BB 21	88	OP59727-dup2				P11	ND
BB 22	2	CC1412-1000		LC658	1:1	P11 TNX-HMXOP	PETNL ZAP52
BB 23	1	UB					ND
BB 24	89	FA31884-26		OP59727	1X	P11	ND
BB 25	90	FA31884-29				P11	NP
BB 26	91	FA31884-33				P11	ND
BB 27	57	OP59709-b5		OP59709			ND
BB 28	58	OP59709-m6				P11	✓
BB 29	61	JC15561-1				P11	✓
BB 30	62	OP59709-MS				P11	✓
BB 31	63	OP59709 MSD				P11	✓
BB 32	64	JC15561-4				P11	ND
BB 33	65	JC15561-5				P11	ND
BB 34	5	CC1412-1000		LC658	1:1	P11 TNX-HMXOP	PETNL ZAP52

* For NELAC purposes, Method 8332 includes analytes by SOP GC020
 Manual Integration Rationale SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PI Poor Instrument Integration
 All strikeouts must be initiated and dated. If correction was not due to a transcription error, then list the reason for correction.

hplc5_bb_log.xls NF rev. 08/09
 Analyst's Signature: *Kimut-lyp*

SGS ACCUTEST - ORLANDO

SPE LIQUID SAMPLE PREP REPORT

Date/Time: 03/08/16 0830
 Started (mm/dd/yy 24:00)

Prep Method: 3535A or Method (circle)

Date/Time: 03/08/16 1400
 Finished (mm/dd/yy 24:00)

Analytical Method: 8330B

Batch#: OP59619

Ext. By: MB

Conc. By: —

Vialed By: ADUPRO5 MB
MB 03/08/16

Sample ID	Bottle Number	Amount Extracted (ml)	Initial pH	Adjusted pH	Surrogate Amount	Spike Amount	Final Volume (ml)	Comments
OP59619 MB	X	1000	6	N/A	250ul		10ml	
OP59619 BS	X	1000	↓	↓	↓	25+25+250ul	↓	
FA31932-4	1	1060	↓	↓	↓		↓	
FA31884-30	1	1050	↓	↓	↓		↓	
<i>MB 03/08/16</i>								
MS								
MSD								
DUP								

Comments:

Surr.1 ID: E5311F Conc: 20ppm Exp. Date: 06/07/16 Inj. By: MB Ver. By: MU
 Surr.2 ID: E5370 Conc: 20ppm Exp. Date: 08/29/16 Inj. By: MB Ver. By: MU
 Spk.1 ID: 7803B Conc: 1000ug/ml Exp. Date: 02/16/17 Inj. By: MB Ver. By: MU
 Spk.2 ID: 7740C Conc: 1000ug/ml Exp. Date: 02/16/17 Inj. By: MB Ver. By: MU

Initial Bath Temp (Therm ID): — Exchange Bath/N-Evap Temp (Therm ID): —
 Observed Temp °C: — Corr. Temp °C: — Observed Temp °C: — Corr. Temp °C: —

Methanol Lot # — SPE Lot # S214-0060 pH Paper # 226015
 Acetonitrile Lot # 155771 SPE Lot # — Reagent # —
 Water Lot# BOTTLE H2O Syringe Filter Lot# — Solvent # —

Relinquished By: [Signature]
 Accepted By: [Signature]

Date: 03/08/16
 Date: —

SGS ACCUTEST - ORLANDO

EXP SAMPLE PREP REPORT

Prep Method: 8330A, 8332, 8330B or Method (circle)

Date/Time: 03/16/16 1630
Started (mm/dd/yy 24:00)

Therm. ID: _____ Corr. Factor (±°C): _____
Bath Temp. (High) °C: 1 / 1 {obs/corr}

Date/Time: 03/17/16 1200
Finished (mm/dd/yy 24:00)

Ultrasonic Bath ID (8330A or 8332): _____
Shaker Table ID (8330B): ST2

Batch#: OP59727 Ext. By: MB Viald By: MB Balance ID: METTLER 1

Sample ID	Bottle Number	Amount Extracted (g)	Surrogate Amount	Spike Amount	Final Volume (ml)	Comments
OP59727 MB	X	10.0	1.25ml		50 ml	
OP59727 BS	X	10.0		1.25+1.25ml 1.25ml		
FA31884-1	1	10.1				
-5	1	10.0				
-8	2	10.0				
-11	2	10.1				
-14	1	10.1				
-17	2	10.0				
-20	1	10.1				
-21	1	10.0				
-26	1	10.0				
-29	1	10.1				
-33	1	10.0				
-3	1	10.1				
-6	1	10.1				
-9	1	10.1				
-12	1	10.2				
-15	1	10.5				
-18	1	10.1				
<u>MB 03/17/16</u>						
OP59727 PT-1	A	10.0	1.25ml		50 ml	
FA31884-1 MS	1	10.0	1.25ml	1.25+1.25ml 1.25ml		
-1 MSD	1	10.0				
FA31884-21 DUP	1	10.1				
-21 TRP	1	10.1				

Comments:

Surr. ID: E5381B Conc: 20 ppm Exp. Date: 05/31/16 Inj. By: MB Ver. By: MU
 Spk.1 ID: E5370 Conc: 20 ppm Exp. Date: 08/29/16 Inj. By: MB Ver. By: MU
 Spk.2 ID: 7803 Conc: 1000 mg/ml Exp. Date: 03/15/17 Inj. By: MB Ver. By: MU
7748E

Acetonitrile Lot # 155771 Methanol Lot # _____ Water Lot# 158396 HPLC
 Syringe Filter Lot# 130925007 Reagent # CS1 Reagent # _____

Relinquished By: [Signature]
 Accepted By: [Signature]

Date: 03/17/16
 Date: 03/17/16

7.9.2
7

Metals Analysis

QC Data Summaries



Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31884
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13018
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:17	MA13018-STD1	1		STDA
09:21	MA13018-STD2	1		STDB
09:24	MA13018-STD3	1		STDC
09:29	MA13018-STD4	1		STDD
09:33	MA13018-HSTD1	1		
09:40	MA13018-ICV1	1		
09:50	MA13018-ICB1	1		
10:00	MA13018-CR1A1	1		
10:09	MA13018-ICSA1	1		
10:20	MA13018-ICSAB1	1		
10:26	MA13018-CCV1	1		
10:36	MA13018-CCB1	1		
10:40	ZZZZZZ	2		
10:44	ZZZZZZ	2		
10:49	ZZZZZZ	5		
10:53	ZZZZZZ	10		
11:22	MA13018-CCV2	1		
11:27	MA13018-CCB2	1		
11:39	ZZZZZZ	100		
11:43	ZZZZZZ	100		
11:48	ZZZZZZ	100		
11:52	ZZZZZZ	100		
11:56	ZZZZZZ	10		
12:00	ZZZZZZ	250		
12:04	ZZZZZZ	250		
12:08	ZZZZZZ	250		
12:12	MA13018-CCV3	1		
12:17	MA13018-CCB3	1		
12:21	MP30077-MB1	1		
12:25	MP30077-B1	1		
12:29	FA31958-3	1		(sample used for QC only; not part of login FA31884)
12:33	MP30077-D1	1		
12:37	MP30077-SD1	5		

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8

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31884
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13018
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:41	MP30077-PS1	1		
12:45	MP30077-S1	1		
12:49	MP30077-S2	1		
12:53	ZZZZZZ	1		
12:57	ZZZZZZ	1		
13:01	MA13018-CCV4	1		
13:05	MA13018-CCB4	1		
13:10	ZZZZZZ	1		
13:14	ZZZZZZ	1		
13:18	ZZZZZZ	1		
13:22	ZZZZZZ	1		
13:26	ZZZZZZ	1		
13:30	ZZZZZZ	1		
13:34	ZZZZZZ	1		
13:38	ZZZZZZ	1		
13:42	ZZZZZZ	1		
13:46	ZZZZZZ	1		
13:51	MA13018-CCV5	1		
13:56	MA13018-CCB5	1		
14:29	MA13018-ICV2	1		
14:35	MA13018-CCV6	1		
14:51	MA13018-CCB6	1		
15:00	ZZZZZZ	1		
15:04	ZZZZZZ	1		
15:08	ZZZZZZ	1		
15:12	ZZZZZZ	1		
15:16	ZZZZZZ	1		
15:20	ZZZZZZ	1		
15:24	FA31884-30	1		
----->	Last reportable sample/prep for job FA31884			
15:28	MP30079-MB1	1		
15:33	MP30079-B1	1		
15:37	FA31843-2L	1		(sample used for QC only; not part of login FA31884)
15:41	MA13018-CCV7	1		

8.1
8

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31884
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13018
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:45	MA13018-CCB7	1		
15:49	MP30079-D1	1		
15:53	MP30079-SD1	5		
15:58	MP30079-S1	1		
16:02	MP30079-S2	1		
16:06	FA31843-1L	1		(sample used for QC only; not part of login FA31884)
16:10	ZZZZZZ	1		
16:14	ZZZZZZ	1		
16:19	ZZZZZZ	1		
16:23	ZZZZZZ	1		
16:27	MP30079-D2	1		
16:31	MA13018-CCV8	1		
16:35	MA13018-CCB8	1		
16:40	MP30079-MB2	1		
16:44	MP30079-B2	1		
16:48	MA13018-CRIA2	1		
16:52	MA13018-ICSA2	1		
16:56	MA13018-ICSAB2	1		
17:01	MA13018-CCV9	1		
17:05	MA13018-CCB9	1		
----->	Last reportable CCB for job FA31884 Refer to raw data for calibration curve and standards.			

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INTERNAL STANDARD SUMMARY

Login Number: FA31884
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13018
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:17	MA13018-STD1	6939	57030	6834	3024
09:21	MA13018-STD2	6847	56493	6850	2825
09:24	MA13018-STD3	6578	54363	6914	2558
09:29	MA13018-STD4	6344	53516	6818	2370
09:33	MA13018-HSTD1	6331	53464	6770	2376
09:40	MA13018-ICV1	6608	54525	6855	2553
09:50	MA13018-ICB1	6933 R	56903 R	6811 R	3002 R
10:00	MA13018-CR1A1	6859	56228	6941	2869
10:09	MA13018-ICSA1	6176	49615	6568	2325
10:20	MA13018-ICSAB1	6116	49811	6674	2287
10:26	MA13018-CCV1	6628	54510	6846	2542
10:36	MA13018-CCB1	6995	57233	6937	2997
10:40	ZZZZZZ	8381	68371	8498	2821
10:44	ZZZZZZ	8139	66522	8325	2617
10:49	ZZZZZZ	6750	55704	7024	2515
10:53	ZZZZZZ	6567	54568	6868	2578
11:22	MA13018-CCV2	6587	54572	6829	2551
11:27	MA13018-CCB2	6969	57418	6754	3004
11:39	ZZZZZZ	7022	57775	6979	2963
11:43	ZZZZZZ	6908	57593	6983	2961
11:48	ZZZZZZ	7019	57607	6929	2990
11:52	ZZZZZZ	7074	57766	6878	2954
11:56	ZZZZZZ	7045	57350	7115	2730
12:00	ZZZZZZ	6921	57093	6975	2959
12:04	ZZZZZZ	6858	56460	6745	2945
12:08	ZZZZZZ	7025	58133	6881	3000
12:12	MA13018-CCV3	6644	55117	6787	2549
12:17	MA13018-CCB3	6877	56996	6863	2988
12:21	MP30077-MB1	6839	57551	6753	3001
12:25	MP30077-B1	6605	55014	6642	2673
12:29	FA31958-3	6732	56207	6761	2845
12:33	MP30077-D1	6749	56308	6836	2847
12:37	MP30077-SD1	6859	57048	6813	2963

8.1.1
8

INTERNAL STANDARD SUMMARY

Login Number: FA31884
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13018
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:41	MP30077-PS1	6689	55950	6709	2760
12:45	MP30077-S1	6609	54898	6582	2621
12:49	MP30077-S2	6666	55560	6828	2637
12:53	ZZZZZZ	6545	54703	6845	2684
12:57	ZZZZZZ	6462	54355	6751	2575
13:01	MA13018-CCV4	6418	54353	6589	2544
13:05	MA13018-CCB4	6813	57087	6720	2999
13:10	ZZZZZZ	6580	55329	6773	2704
13:14	ZZZZZZ	6630	55040	6766	2606
13:18	ZZZZZZ	6831	57133	6836	2781
13:22	ZZZZZZ	7268	61332	7273	2843
13:26	ZZZZZZ	6347	53103	6556	2560
13:30	ZZZZZZ	6768	56975	6807	2934
13:34	ZZZZZZ	6760	57288	6762	2952
13:38	ZZZZZZ	6638	56745	6584	2934
13:42	ZZZZZZ	6631	56395	6589	2927
13:46	ZZZZZZ	6671	56277	6646	2935
13:51	MA13018-CCV5	6259	53605	6585	2521
13:56	MA13018-CCB5	6594	55765	6590	2988
14:29	MA13018-ICV2	6340	54103	6626	2558
14:35	MA13018-CCV6	6341	53929	6502	2547
14:51	MA13018-CCB6	6572	55861	6504	2984
15:00	ZZZZZZ	6475	54857	6473	2836
15:04	ZZZZZZ	6677	56812	6578	2964
15:08	ZZZZZZ	6616	56314	6677	2953
15:12	ZZZZZZ	6561	55897	6498	2923
15:16	ZZZZZZ	6516	56227	6562	2932
15:20	ZZZZZZ	6465	55520	6376	2911
15:24	FA31884-30	6393	54382	6447	2795
15:28	MP30079-MB1	6561	56513	6504	2983
15:33	MP30079-B1	6251	53562	6291	2675
15:37	FA31843-2L	6148	52386	6370	2634
15:41	MA13018-CCV7	6166	53409	6414	2565

8.1.1
8

INTERNAL STANDARD SUMMARY

Login Number: FA31884
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13018
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:45	MA13018-CCB7	6468	55328	6393	2983
15:49	MP30079-D1	6194	52345	6516	2646
15:53	MP30079-SD1	6272	53687	6366	2819
15:58	MP30079-S1	6033	52075	6278	2527
16:02	MP30079-S2	5998	51060	6260	2517
16:06	FA31843-1L	6094	52214	6316	2637
16:10	ZZZZZZ	6042	51887	6194	2624
16:14	ZZZZZZ	5934	51593	6188	2605
16:19	ZZZZZZ	6071	51870	6261	2650
16:23	ZZZZZZ	6049	51727	6312	2639
16:27	MP30079-D2	6122	52484	6312	2648
16:31	MA13018-CCV8	6089	52933	6301	2577
16:35	MA13018-CCB8	6343	55258	6257	2985
16:40	MP30079-MB2	6108	52170	6392	2655
16:44	MP30079-B2	6103	52174	6409	2550
16:48	MA13018-CRIA2	6506	55527	6455	2876
16:52	MA13018-ICSA2	5857	48573	6136	2320
16:56	MA13018-ICSAB2	5854	48939	6186	2280
17:01	MA13018-CCV9	6329	53801	6466	2561
17:05	MA13018-CCB9	6569	55974	6442	2986

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

8.1.1
8

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31884
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB030816M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/08/16
 Run ID: MA13018

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		09:50		10:36		11:27		12:17		
	Sample ID:	RL	IDL	ICB1	CCB1	CCB2	CCB3	raw	final	raw	final
Aluminum	200	14									
Antimony	6.0	1									
Arsenic	10	1.3	anr								
Barium	200	1	anr								
Beryllium	4.0	.2									
Cadmium	5.0	.2	anr								
Calcium	1000	50									
Chromium	10	1	anr								
Cobalt	50	.2									
Copper	25	1									
Iron	300	17	anr								
Lead	5.0	1	-0.60	<5.0	-0.50	<5.0	-0.90	<5.0	-0.40	<5.0	
Magnesium	5000	35									
Manganese	15	.5									
Molybdenum	50	.3									
Nickel	40	.4									
Potassium	10000	200									
Selenium	10	2.4	anr								
Silver	10	.7	anr								
Sodium	10000	500	anr								
Strontium	10	.5									
Thallium	10	1.1									
Tin	50	.9									
Titanium	10	.5									
Vanadium	50	.5									
Zinc	20	3									

(*) Outside of QC limits
 (anr) Analyte not requested

8.1.2
 8

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31884
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
 QC Limits: result < RL Run ID: MA13018 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	13:05 CCB4		13:56 CCB5		14:51 CCB6		15:45 CCB7	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14								
Antimony		6.0	1								
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2								
Cadmium		5.0	.2	anr							
Calcium		1000	50								
Chromium		10	1	anr							
Cobalt		50	.2								
Copper		25	1								
Iron		300	17	anr							
Lead		5.0	1	-0.90	<5.0	-0.40	<5.0	0.10	<5.0	-0.30	<5.0
Magnesium		5000	35								
Manganese		15	.5								
Molybdenum		50	.3								
Nickel		40	.4								
Potassium		10000	200								
Selenium		10	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500	anr							
Strontium		10	.5								
Thallium		10	1.1								
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3								

(*) Outside of QC limits
 (anr) Analyte not requested

8.1.2
8

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31884
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB030816M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/08/16
 Run ID: MA13018

Methods: SW846 6010C
 Units: ug/l

Metal	RL	IDL	16:35 CCB8		17:05 CCB9	
			raw	final	raw	final
Aluminum	200	14				
Antimony	6.0	1				
Arsenic	10	1.3	anr			
Barium	200	1	anr			
Beryllium	4.0	.2				
Cadmium	5.0	.2	anr			
Calcium	1000	50				
Chromium	10	1	anr			
Cobalt	50	.2				
Copper	25	1				
Iron	300	17	anr			
Lead	5.0	1	-0.40	<5.0	0.10	<5.0
Magnesium	5000	35				
Manganese	15	.5				
Molybdenum	50	.3				
Nickel	40	.4				
Potassium	10000	200				
Selenium	10	2.4	anr			
Silver	10	.7	anr			
Sodium	10000	500	anr			
Strontium	10	.5				
Thallium	10	1.1				
Tin	50	.9				
Titanium	10	.5				
Vanadium	50	.5				
Zinc	20	3				

(*) Outside of QC limits
 (anr) Analyte not requested

8.1.2
8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31884
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13018 Units: ug/l

Metal	Time:		09:40		10:26		11:22		
	Sample ID:	ICV	ICV1	CCV	CCV1	CCV	CCV2		
	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper									
Iron	anr								
Lead	2000	2010	100.5	2000	2000	100.0	2000	2010	100.5
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

8.1.3
8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31884
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13018 Units: ug/l

Metal	Time:		12:12		13:01		13:51				
	Sample ID:	CCV	CCV3	% Rec	CCV	CCV4	% Rec	CCV	CCV5	Results	% Rec
Aluminum		True									
Antimony											
Arsenic	anr										
Barium	anr										
Beryllium											
Cadmium	anr										
Calcium											
Chromium	anr										
Cobalt											
Copper											
Iron	anr										
Lead	2000	1990	99.5	2000	2050	102.5	2000	2100	105.0		
Magnesium											
Manganese											
Molybdenum											
Nickel											
Potassium											
Selenium	anr										
Silver	anr										
Sodium	anr										
Strontium											
Thallium											
Tin											
Titanium											
Vanadium											
Zinc											

(*) Outside of QC limits
(anr) Analyte not requested

8.1.3
8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31884
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13018 Units: ug/l

Metal	Time:		14:29		14:35		15:41		
	Sample ID:	ICV	ICV2	CCV	CCV6	CCV	CCV7		
	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper									
Iron	anr								
Lead	2000	1980	99.0	2000	1970	98.5	2000	2020	101.0
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

8.1.3
8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31884
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13018 Units: ug/l

Metal	Time: 16:31		% Rec	Time: 17:01		
	Sample ID: CCV	CCV8		Sample ID: CCV	CCV9	
	True	Results		True	Results	% Rec
Aluminum						
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper						
Iron	anr					
Lead	2000	2040	102.0	2000	1990	99.5
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium	anr					
Silver	anr					
Sodium	anr					
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

(*) Outside of QC limits
(anr) Analyte not requested

8.1.3
8

HIGH STANDARD CHECK SUMMARY

Login Number: FA31884
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13018 Units: ug/l

Time:	09:33
Sample ID:	HSTD1
Metal	True
Results	% Rec

Aluminum			
Antimony			
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium	anr		
Calcium			
Chromium	anr		
Cobalt			
Copper			
Iron	anr		
Lead	4000	4020	100.5
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
 (anr) Analyte not requested

8.1.4
8

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA31884
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13018 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	10:00 CRIA1 Results	% Rec	16:48 CRIA2 Results	% Rec
Metal						
Aluminum	400	200				
Antimony	10	5.0				
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0	anr			
Calcium	2000	1000				
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25				
Iron	600	300	anr			
Lead	10	5.0	4.3	86.0	5.4	108.0
Magnesium	10000	5000				
Manganese	30	15				
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000				
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20				

(*) Outside of QC limits
 (anr) Analyte not requested

8.1.5
8

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA31884
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13018 Units: ug/l

Time:	10:09	10:20	16:52	16:56						
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2						
Metal	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum	500000	500000	479000	95.8	491000	98.2	479000	95.8	496000	99.2
Antimony		1000	-1.9		1010	101.0	-0.30		1010	101.0
Arsenic		1000	0.60		1080	108.0	0.30		1080	108.0
Barium		500	0.0		509	101.8	0.60		547	109.4
Beryllium		500	0.20		497	99.4	0.30		542	108.4
Cadmium		1000	-0.10		970	97.0	-0.50		1010	101.0
Calcium	500000	500000	462000	92.4	474000	94.8	472000	94.4	481000	96.2
Chromium		500	-0.70		509	101.8	-0.70		526	105.2
Cobalt		500	0.0		479	95.8	0.30		508	101.6
Copper		500	0.0		532	106.4	0.80		578	115.6
Iron	200000	200000	179000	89.5	189000	94.5	180000	90.0	188000	94.0
Lead		1000	-0.10		947	94.7	-3.1		1010	101.0
Magnesium	500000	500000	493000	98.6	509000	101.8	496000	99.2	507000	101.4
Manganese		500	0.80		514	102.8	0.50		552	110.4
Molybdenum		1000	0.0		931	93.1	0.50		941	94.1
Nickel		1000	0.70		961	96.1	1.1		1010	101.0
Potassium			645		115		698		77.2	
Selenium		1000	0.0		1020	102.0	-2.2		1010	101.0
Silver		1000	-0.20		966	96.6	-0.40		998	99.8
Sodium			686		196		848		227	
Strontium		1000	0.40		1010	101.0	0.30		1030	103.0
Thallium		1000	-0.10		951	95.1	-0.50		969	96.9
Tin		1000	1.9		929	92.9	2.1		934	93.4
Titanium		1000	-0.10		1010	101.0	0.30		1000	100.0
Vanadium		500	0.0		464	92.8	0.20		497	99.4
Zinc		1000	-0.70		959	95.9	-0.60		1020	102.0

(*) Outside of QC limits
(anr) Analyte not requested

8.1.6
8

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31884
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB041216M1.ICP Date Analyzed: 04/12/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13088
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:18	MA13088-STD1	1		STDA
08:34	MA13088-STD2	1		STDB
08:37	MA13088-STD3	1		STDC
08:40	MA13088-STD4	1		STDD
08:44	MA13088-HSTD1	1		
08:56	MA13088-ICV1	1		
09:05	MA13088-ICB1	1		
09:08	MA13088-CR1A1	1		
09:13	MA13088-ICSA1	1		
09:21	MA13088-ICSAB1	1		
09:28	MA13088-CCV1	1		
09:37	MA13088-CCB1	1		
09:41	ZZZZZZ	2		
09:45	ZZZZZZ	2		
09:49	ZZZZZZ	2		
09:53	ZZZZZZ	2		
09:57	ZZZZZZ	2		
10:02	ZZZZZZ	10		
10:06	ZZZZZZ	4		
10:10	MA13088-CCV2	1		
10:14	MA13088-CCB2	1		
12:07	MA13088-CCV3	1		
12:15	MA13088-CCB3	1		
12:23	MP30231-MB1	1		
12:32	MP30231-B1	1		
12:36	FA32924-3	1		(sample used for QC only; not part of login FA31884)
12:40	MP30231-D1	1		
12:44	MP30231-SD1	5		
12:48	MP30231-PS1	1		
12:52	MP30231-S1	1		
12:56	MP30231-S2	1		
13:00	ZZZZZZ	1		
13:04	MA13088-CCV4	1		

8.2
8

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31884
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB041216M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 04/12/16
Run ID: MA13088
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:08	MA13088-CCB4	1		
13:12	ZZZZZZ	1		
13:16	ZZZZZZ	1		
13:21	ZZZZZZ	1		
13:25	ZZZZZZ	1		
13:29	ZZZZZZ	1		
13:33	ZZZZZZ	1		
13:37	ZZZZZZ	1		
13:41	ZZZZZZ	1		
13:45	ZZZZZZ	1		
13:49	ZZZZZZ	1		
13:53	MA13088-CCV5	1		
13:57	MA13088-CCB5	1		
14:26	MA13088-ICV2	1		
14:33	MA13088-CCV6	1		
14:38	MA13088-CCB6	1		
14:49	ZZZZZZ	1		
14:53	ZZZZZZ	1		
14:57	ZZZZZZ	1		
15:01	ZZZZZZ	1		
15:05	ZZZZZZ	1		
15:09	ZZZZZZ	1		
15:14	ZZZZZZ	1		
15:18	ZZZZZZ	1		
15:22	MP30232-MB1	1		
15:26	MP30232-B1	1		
15:30	MA13088-CCV7	1		
15:34	MA13088-CCB7	1		
15:38	FA32955-11	5		(sample used for QC only; not part of login FA31884)
15:42	MP30232-D1	5		
15:46	MP30232-SD1	25		
15:50	MP30232-PS1	5		
15:54	MP30232-S1	5		

8.2
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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31884
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB041216M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 04/12/16
Run ID: MA13088
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:58	MP30232-S2	5		
16:02	ZZZZZZ	5		
16:07	ZZZZZZ	5		
16:11	ZZZZZZ	5		
16:15	ZZZZZZ	5		
16:20	MA13088-CCV8	1		
16:24	MA13088-CCB8	1		
16:28	ZZZZZZ	5		
16:32	ZZZZZZ	5		
16:36	ZZZZZZ	5		
16:40	ZZZZZZ	5		
16:45	ZZZZZZ	5		
16:49	ZZZZZZ	5		
16:53	ZZZZZZ	5		
16:58	ZZZZZZ	5		
17:02	ZZZZZZ	5		
17:06	ZZZZZZ	5		
17:11	MA13088-CCV9	1		
17:15	MA13088-CCB9	1		
17:19	ZZZZZZ	5		
17:23	ZZZZZZ	5		
17:28	ZZZZZZ	5		
17:32	ZZZZZZ	5		
17:36	ZZZZZZ	5		
17:40	MP30234-MB1	5		
17:44	MP30234-B1	5		
17:48	FA31884-1A	5		
17:52	MP30234-D1	5		
17:57	MP30234-D2	5		
18:01	MA13088-CCV10	1		
18:04	MA13088-CCB10	1		
18:09	MP30234-SD1	25		
18:13	MP30234-PS1	5		

8.2
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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31884
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB041216M1.ICP Date Analyzed: 04/12/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13088
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:17	MP30234-S1	5		
18:21	MP30234-S2	5		
18:25	FA31884-2	5		
18:29	FA31884-5A	5		
18:33	FA31884-8A	5		
18:37	FA31884-11A	5		
18:41	FA31884-14A	5		
18:45	FA31884-17A	5		
18:49	MA13088-CCV11	1		
18:53	MA13088-CCB11	1		
18:57	FA31884-26A	5		
19:01	FA31884-29A	5		
19:05	FA31884-33A	5		
----->	Last reportable sample/prep for job FA31884			
19:10	ZZZZZ	5		
19:14	ZZZZZ	5		
19:18	ZZZZZ	5		
19:22	ZZZZZ	5		
19:26	ZZZZZ	5		
19:30	ZZZZZ	5		
19:34	ZZZZZ	5		
19:38	MA13088-CCV12	1		
19:42	MA13088-CCB12	1		
19:46	ZZZZZ	5		
19:50	MA13088-CRIA2	1		
19:54	MA13088-ICSA2	1		
19:59	MA13088-ICSAB2	1		
20:03	MA13088-CCV13	1		
20:07	MA13088-CCB13	1		
----->	Last reportable CCB for job FA31884			
	Refer to raw data for calibration curve and standards.			

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INTERNAL STANDARD SUMMARY

Login Number: FA31884
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB041216M1.ICP Date Analyzed: 04/12/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13088
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:18	MA13088-STD1	4760	34207	5708	1791
08:34	MA13088-STD2	4795	35127	5832	1814
08:37	MA13088-STD3	4654	34632	5662	1755
08:40	MA13088-STD4	4532	34735	5662	1697
08:44	MA13088-HSTD1	4507	34315	5709	1690
08:56	MA13088-ICV1	4646	34682	5683	1759
09:05	MA13088-ICB1	4737 R	34147 R	5811 R	1780 R
09:08	MA13088-CR1A1	4855	34970	5802	1828
09:13	MA13088-ICSA1	4457	33395	5516	1743
09:21	MA13088-ICSAB1	4455	33474	5552	1722
09:28	MA13088-CCV1	4664	34754	5707	1763
09:37	MA13088-CCB1	4731	34311	5741	1789
09:41	ZZZZZZ	4823	35053	5881	1906
09:45	ZZZZZZ	4875	35492	5931	1904
09:49	ZZZZZZ	4871	35559	5927	1907
09:53	ZZZZZZ	4957	35835	5968	1926
09:57	ZZZZZZ	4909	35781	5923	1953
10:02	ZZZZZZ	4743	35217	5678	1792
10:06	ZZZZZZ	4829	35457	5753	1808
10:10	MA13088-CCV2	4676	34630	5682	1759
10:14	MA13088-CCB2	4737	34219	5626	1782
12:07	MA13088-CCV3	4580	34431	5567	1738
12:15	MA13088-CCB3	4712	34172	5613	1781
12:23	MP30231-MB1	4706	34254	5630	1765
12:32	MP30231-B1	4726	34636	5549	1791
12:36	FA32924-3	4747	34487	5616	1801
12:40	MP30231-D1	4759	34528	5637	1807
12:44	MP30231-SD1	4773	34032	5662	1788
12:48	MP30231-PS1	4771	34377	5585	1795
12:52	MP30231-S1	4733	34410	5571	1791
12:56	MP30231-S2	4737	34152	5666	1780
13:00	ZZZZZZ	4781	33997	5596	1787
13:04	MA13088-CCV4	4661	34106	5490	1739

8.2.1
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INTERNAL STANDARD SUMMARY

Login Number: FA31884
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB041216M1.ICP Date Analyzed: 04/12/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13088
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:08	MA13088-CCB4	4736	33335	5498	1762
13:12	ZZZZZZ	4804	34086	5586	1791
13:16	ZZZZZZ	4784	33867	5523	1788
13:21	ZZZZZZ	4782	33948	5515	1794
13:25	ZZZZZZ	4858	34159	5541	1799
13:29	ZZZZZZ	4808	34370	5574	1796
13:33	ZZZZZZ	4783	33789	5535	1764
13:37	ZZZZZZ	4848	34255	5546	1797
13:41	ZZZZZZ	4870	34664	5576	1786
13:45	ZZZZZZ	4860	34385	5587	1803
13:49	ZZZZZZ	4841	34071	5545	1788
13:53	MA13088-CCV5	4722	33862	5474	1741
13:57	MA13088-CCB5	4854	33381	5502	1775
14:26	MA13088-ICV2	4717	33856	5397	1739
14:33	MA13088-CCV6	4734	33538	5444	1739
14:38	MA13088-CCB6	4780	32831	5339	1742
14:49	ZZZZZZ	4841	33222	5458	1771
14:53	ZZZZZZ	4913	33787	5518	1779
14:57	ZZZZZZ	4846	33468	5498	1767
15:01	ZZZZZZ	4874	33873	5488	1778
15:05	ZZZZZZ	4899	33946	5521	1781
15:09	ZZZZZZ	5225	37434	5954	1677
15:14	ZZZZZZ	4862	33404	5525	1772
15:18	ZZZZZZ	4888	33651	5512	1805
15:22	MP30232-MB1	4843	33118	5439	1758
15:26	MP30232-B1	4813	33678	5449	1778
15:30	MA13088-CCV7	4719	33738	5443	1737
15:34	MA13088-CCB7	4813	33054	5430	1759
15:38	FA32955-11	4805	33640	5343	1776
15:42	MP30232-D1	4838	33847	5390	1788
15:46	MP30232-SD1	4868	33647	5488	1790
15:50	MP30232-PS1	4808	33664	5414	1769
15:54	MP30232-S1	4808	33597	5359	1763

8.2.1
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INTERNAL STANDARD SUMMARY

Login Number: FA31884
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB041216M1.ICP Date Analyzed: 04/12/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13088
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:58	MP30232-S2	4799	33383	5330	1757
16:02	ZZZZZZ	4714	33476	5379	1686
16:07	ZZZZZZ	4790	33648	5317	1754
16:11	ZZZZZZ	4768	33751	5320	1745
16:15	ZZZZZZ	4782	33528	5261	1747
16:20	MA13088-CCV8	4729	33434	5422	1729
16:24	MA13088-CCB8	4790	32876	5391	1748
16:28	ZZZZZZ	4433	31699	5053	1568
16:32	ZZZZZZ	4883	34269	5316	1787
16:36	ZZZZZZ	4758	33392	5230	1731
16:40	ZZZZZZ	4772	33435	5196	1729
16:45	ZZZZZZ	4779	33167	5142	1718
16:49	ZZZZZZ	4776	33193	5150	1721
16:53	ZZZZZZ	4522	31599	5114	1550
16:58	ZZZZZZ	4358	30570	4985	1477
17:02	ZZZZZZ	4059	28905	4871	1331
17:06	ZZZZZZ	4253	30282	4898	1355
17:11	MA13088-CCV9	4708	32873	5268	1707
17:15	MA13088-CCB9	4881	32548	5414	1743
17:19	ZZZZZZ	4193	29835	4944	1357
17:23	ZZZZZZ	4468	31248	4995	1474
17:28	ZZZZZZ	4293	30369	4925	1394
17:32	ZZZZZZ	4683	32664	5241	1630
17:36	ZZZZZZ	4729	32973	5219	1651
17:40	MP30234-MB1	4812	32325	5240	1723
17:44	MP30234-B1	4858	32758	5247	1754
17:48	FA31884-1A	5025	33853	5483	1797
17:52	MP30234-D1	5013	34019	5453	1802
17:57	MP30234-D2	4971	33611	5428	1788
18:01	MA13088-CCV10	4720	33075	5204	1715
18:04	MA13088-CCB10	4795	32491	5267	1725
18:09	MP30234-SD1	4877	32913	5418	1770
18:13	MP30234-PS1	4968	33766	5418	1780

8.2.1
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INTERNAL STANDARD SUMMARY

Login Number: FA31884
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB041216M1.ICP Date Analyzed: 04/12/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13088
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:17	MP30234-S1	5038	34018	5409	1807
18:21	MP30234-S2	4971	33861	5372	1783
18:25	FA31884-2	5011	33854	5453	1795
18:29	FA31884-5A	5014	33635	5462	1795
18:33	FA31884-8A	4966	33392	5381	1788
18:37	FA31884-11A	5102	34726	5429	1798
18:41	FA31884-14A	4980	33897	5360	1787
18:45	FA31884-17A	4971	33793	5350	1794
18:49	MA13088-CCV11	4758	33246	5254	1730
18:53	MA13088-CCB11	4790	32287	5196	1725
18:57	FA31884-26A	4979	33494	5424	1782
19:01	FA31884-29A	5097	34434	5521	1802
19:05	FA31884-33A	5132	34940	5512	1809
19:10	ZZZZZZ	4911	33231	5261	1784
19:14	ZZZZZZ	4878	33148	5299	1768
19:18	ZZZZZZ	4932	33477	5384	1790
19:22	ZZZZZZ	5052	34350	5463	1794
19:26	ZZZZZZ	5036	34525	5415	1782
19:30	ZZZZZZ	4948	33697	5366	1805
19:34	ZZZZZZ	4987	34161	5454	1783
19:38	MA13088-CCV12	4687	33060	5262	1710
19:42	MA13088-CCB12	4789	32516	5200	1742
19:46	ZZZZZZ	4965	34022	5405	1797
19:50	MA13088-CRIA2	4914	33718	5332	1786
19:54	MA13088-ICSA2	4531	32010	5084	1713
19:59	MA13088-ICSAB2	4496	32099	5175	1684
20:03	MA13088-CCV13	4687	33530	5327	1719
20:07	MA13088-CCB13	4724	32445	5205	1726

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31884
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB041216M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/12/16
 Run ID: MA13088

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	09:05 ICB1		09:37 CCB1		10:14 CCB2		12:15 CCB3	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14	anr							
Antimony		6.0	1	anr							
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2	anr							
Cadmium		5.0	.2	anr							
Calcium		1000	50	anr							
Chromium		10	1	anr							
Cobalt		50	.2	anr							
Copper		25	1	anr							
Iron		300	17	anr							
Lead		5.0	1	-0.10	<5.0	-1.3	<5.0	-0.60	<5.0	0.20	<5.0
Magnesium		5000	35	anr							
Manganese		15	.5	anr							
Molybdenum		50	.3								
Nickel		40	.4	anr							
Potassium		10000	200	anr							
Selenium		10	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500	anr							
Strontium		10	.5								
Thallium		10	1.1	anr							
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5	anr							
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

8.2.2
 8

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31884
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB041216M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/12/16
 Run ID: MA13088

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	13:08 CCB4		13:57 CCB5		14:38 CCB6		15:34 CCB7	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14	anr							
Antimony		6.0	1	anr							
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2	anr							
Cadmium		5.0	.2	anr							
Calcium		1000	50	anr							
Chromium		10	1	anr							
Cobalt		50	.2	anr							
Copper		25	1	anr							
Iron		300	17	anr							
Lead		5.0	1	-0.20	<5.0	-1.0	<5.0	-1.1	<5.0	-1.0	<5.0
Magnesium		5000	35	anr							
Manganese		15	.5	anr							
Molybdenum		50	.3								
Nickel		40	.4	anr							
Potassium		10000	200	anr							
Selenium		10	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500	anr							
Strontium		10	.5								
Thallium		10	1.1	anr							
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5	anr							
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

8.2.2
 8

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31884
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB041216M1.ICP Date Analyzed: 04/12/16 Methods: SW846 6010C
 QC Limits: result < RL Run ID: MA13088 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	16:24		17:15		18:04		18:53		
				CCB8	raw	final	CCB9	raw	final	CCB10	raw	final
Aluminum		200	14	anr								
Antimony		6.0	1	anr								
Arsenic		10	1.3	anr								
Barium		200	1	anr								
Beryllium		4.0	.2	anr								
Cadmium		5.0	.2	anr								
Calcium		1000	50	anr								
Chromium		10	1	anr								
Cobalt		50	.2	anr								
Copper		25	1	anr								
Iron		300	17	anr								
Lead		5.0	1	-0.50	<5.0	-0.60	<5.0	-1.1	<5.0	-0.40	<5.0	
Magnesium		5000	35	anr								
Manganese		15	.5	anr								
Molybdenum		50	.3									
Nickel		40	.4	anr								
Potassium		10000	200	anr								
Selenium		10	2.4	anr								
Silver		10	.7	anr								
Sodium		10000	500	anr								
Strontium		10	.5									
Thallium		10	1.1	anr								
Tin		50	.9									
Titanium		10	.5									
Vanadium		50	.5	anr								
Zinc		20	3	anr								

(*) Outside of QC limits
 (anr) Analyte not requested

8.2.2
 8

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31884
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB041216M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/12/16
 Run ID: MA13088

Methods: SW846 6010C
 Units: ug/l

Metal	RL	IDL	Time:					
			Sample ID:	19:42	20:07			
			CCB12	raw	final	CCB13	raw	final
Aluminum	200	14	anr					
Antimony	6.0	1	anr					
Arsenic	10	1.3	anr					
Barium	200	1	anr					
Beryllium	4.0	.2	anr					
Cadmium	5.0	.2	anr					
Calcium	1000	50	anr					
Chromium	10	1	anr					
Cobalt	50	.2	anr					
Copper	25	1	anr					
Iron	300	17	anr					
Lead	5.0	1	-0.70	<5.0		-1.9		<5.0
Magnesium	5000	35	anr					
Manganese	15	.5	anr					
Molybdenum	50	.3						
Nickel	40	.4	anr					
Potassium	10000	200	anr					
Selenium	10	2.4	anr					
Silver	10	.7	anr					
Sodium	10000	500	anr					
Strontium	10	.5						
Thallium	10	1.1	anr					
Tin	50	.9						
Titanium	10	.5						
Vanadium	50	.5	anr					
Zinc	20	3	anr					

(*) Outside of QC limits
 (anr) Analyte not requested

8.2.2
 8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31884
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB041216M1.ICP Date Analyzed: 04/12/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13088 Units: ug/l

Metal	Time: Sample ID: ICV	08:56		CCV True	09:28		CCV True	10:10	
		ICV1 Results	% Rec		CCV1 Results	% Rec		CCV2 Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	2000	100.0	2000	1990	99.5	2000	2000	100.0
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

8.2.3
8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31884
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB041216M1.ICP Date Analyzed: 04/12/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13088 Units: ug/l

Metal	Sample ID:	CCV	12:07		13:04		13:53		
			CCV3	Results	CCV4	Results	CCV5	Results	
		True	% Rec	True	% Rec	True	% Rec		
Aluminum		anr							
Antimony		anr							
Arsenic		anr							
Barium		anr							
Beryllium		anr							
Cadmium		anr							
Calcium		anr							
Chromium		anr							
Cobalt		anr							
Copper		anr							
Iron		anr							
Lead	2000	2030	101.5	2000	2060	103.0	2000	2080	104.0
Magnesium		anr							
Manganese		anr							
Molybdenum									
Nickel		anr							
Potassium		anr							
Selenium		anr							
Silver		anr							
Sodium		anr							
Strontium									
Thallium		anr							
Tin									
Titanium									
Vanadium		anr							
Zinc		anr							

(*) Outside of QC limits
(anr) Analyte not requested

8.2.3
8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31884
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB041216M1.ICP Date Analyzed: 04/12/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13088 Units: ug/l

Metal	Time: Sample ID: ICV	14:26		CCV True	14:33		CCV True	15:30	
		ICV2	Results		Results	% Rec		CCV7	Results
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	2000	100.0	2000	1990	99.5	2000	1990	99.5
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

8.2.3
8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31884
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB041216M1.ICP Date Analyzed: 04/12/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13088 Units: ug/l

Metal	Sample ID:	CCV	16:20		17:11		18:01		
			CCV8	% Rec	CCV9	% Rec	CCV10	% Rec	
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	2010	100.5	2000	2040	102.0	2000	2030	101.5
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

8.2.3
8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31884
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB041216M1.ICP Date Analyzed: 04/12/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13088 Units: ug/l

Metal	Sample ID	CCV	18:49		19:38		20:03		
			CCV11	Results	CCV12	Results	CCV13	Results	
		True	% Rec	True	% Rec	True	% Rec		
Aluminum		anr							
Antimony		anr							
Arsenic		anr							
Barium		anr							
Beryllium		anr							
Cadmium		anr							
Calcium		anr							
Chromium		anr							
Cobalt		anr							
Copper		anr							
Iron		anr							
Lead	2000	2020	101.0	2000	2050	102.5	2000	2020	101.0
Magnesium		anr							
Manganese		anr							
Molybdenum									
Nickel		anr							
Potassium		anr							
Selenium		anr							
Silver		anr							
Sodium		anr							
Strontium									
Thallium		anr							
Tin									
Titanium									
Vanadium		anr							
Zinc		anr							

(*) Outside of QC limits
(anr) Analyte not requested

8.2.3
8

HIGH STANDARD CHECK SUMMARY

Login Number: FA31884
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB041216M1.ICP Date Analyzed: 04/12/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13088 Units: ug/l

Time:	08:44		
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	4000	4050	101.3
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

8.2.4
8

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA31884
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB041216M1.ICP Date Analyzed: 04/12/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13088 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	09:08 CRIA1 Results	% Rec	19:50 CRIA2 Results	% Rec
Metal						
Aluminum	400	200	anr			
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	5.2	104.0	4.5	90.0
Magnesium	10000	5000	anr			
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	anr			
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	anr			
Zinc	40	20	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

8.2.5
8

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA31884
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB041216M1.ICP Date Analyzed: 04/12/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13088 Units: ug/l

Time:	ICSA	ICSAB	09:13		09:21		19:54		19:59	
Sample ID:	True	True	ICSAB1	% Rec	ICSAB1	% Rec	ICSAB2	% Rec	ICSAB2	% Rec
Metal			Results		Results		Results		Results	
Aluminum	500000	500000	498000	99.6	495000	99.0	505000	101.0	499000	99.8
Antimony		1000	0.0		1040	104.0	0.50		1030	103.0
Arsenic		1000	-0.10		1080	108.0	0.70		1080	108.0
Barium		500	-0.10		513	102.6	0.20		517	103.4
Beryllium		500	0.0		488	97.6	0.10		486	97.2
Cadmium		1000	0.50		971	97.1	-0.20		981	98.1
Calcium	500000	500000	485000	97.0	479000	95.8	480000	96.0	465000	93.0
Chromium		500	-0.80		505	101.0	-1.1		500	100.0
Cobalt		500	-0.40		493	98.6	-0.30		496	99.2
Copper		500	0.20		546	109.2	0.40		548	109.6
Iron	200000	200000	185000	92.5	182000	91.0	183000	91.5	178000	89.0
Lead		1000	0.30		946	94.6	-4.4		956	95.6
Magnesium	500000	500000	510000	102.0	511000	102.2	502000	100.4	496000	99.2
Manganese		500	0.0		506	101.2	-0.40		505	101.0
Molybdenum		1000	0.10		978	97.8	0.90		983	98.3
Nickel		1000	0.0		995	99.5	0.40		994	99.4
Potassium			279		222		287		240	
Selenium		1000	-0.40		1010	101.0	1.0		1010	101.0
Silver		1000	-0.60		966	96.6	-0.10		956	95.6
Sodium			221		208		297		280	
Strontium		1000	0.0		1020	102.0	0.50		1040	104.0
Thallium		1000	0.0		991	99.1	1.8		1000	100.0
Tin		1000	-0.20		993	99.3	0.10		989	98.9
Titanium		1000	-1.1		1020	102.0	-0.60		1030	103.0
Vanadium		500	0.30		473	94.6	0.70		472	94.4
Zinc		1000	-1.6		955	95.5	-1.7		966	96.6

(*) Outside of QC limits
(anr) Analyte not requested

8.2.6
8

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA31884
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30077
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/08/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	14	14		
Antimony	6.0	1	1		
Arsenic	10	1.3	1.3		
Barium	200	1	1		
Beryllium	4.0	.2	.2		
Cadmium	5.0	.2	.2		
Calcium	1000	50	50		
Chromium	10	1	1		
Cobalt	50	.2	.2		
Copper	25	1	1		
Iron	300	17	17		
Lead	5.0	1	1.1	-1.5	<5.0
Magnesium	5000	35	35		
Manganese	15	.5	1		
Molybdenum	50	.3	.3		
Nickel	40	.4	.4		
Potassium	10000	200	200		
Selenium	10	2.4	2.9		
Silver	10	.7	.7		
Sodium	10000	500	500		
Strontium	10	.5	.5		
Thallium	10	1.1	1.4		
Tin	50	.9	1		
Titanium	10	.5	1		
Vanadium	50	.5	.6		
Zinc	20	3	4.4		

Associated samples MP30077: FA31884-30

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

8.3.1
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31884
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30077
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/08/16 03/08/16

Metal	FA31958-3 Original	DUP	RPD	QC Limits	FA31958-3 Original MS	Spikelot MPFLICP2 % Rec	QC Limits		
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron	anr								
Lead	27.2	26.9	1.1	0-20	27.2	543	500	103.2	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP30077: FA31884-30

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

8.3.2
 8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31884
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30077
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/08/16

Metal	FA31958-3 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit		
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron	anr					
Lead	27.2	540	500	102.6	0.6	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium	anr					
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP30077: FA31884-30

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

8.3.2
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA31884
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30077
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/08/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron	anr			
Lead	516	500	103.2	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium	anr			
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30077: FA31884-30

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

8.3.3
 8

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA31884
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30077
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/08/16

Metal	FA31958-3	Original	SDL 1:5	%DIF	QC Limits
-------	-----------	----------	---------	------	-----------

Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron	anr				
Lead	27.2	23.1	15.1	(a)	0-10
Magnesium					
Manganese					
Molybdenum					
Nickel					
Potassium					
Selenium					
Silver					
Sodium	anr				
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc					

Associated samples MP30077: FA31884-30

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

8.3.4
8

POST DIGESTATE SPIKE SUMMARY

Login Number: FA31884
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30077
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date:

03/08/16

Metal	Sample ml	Final ml	FA31958-3 Raw	PS Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead	9.8	10	27.2	26.656	75.9	0.2	2.5	50	98.5	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP30077: FA31884-30

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (**) Corr. sample result = Raw * (sample volume / final volume)
 (anr) Analyte not requested

8.3.5
8

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA31884
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30234
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 04/12/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.4	3.5		
Antimony	2.0	.1	.13		
Arsenic	1.0	.13	.2		
Barium	20	.1	.1		
Beryllium	0.50	.02	.05		
Cadmium	0.40	.02	.05		
Calcium	500	5	5		
Chromium	1.0	.1	.1		
Cobalt	5.0	.02	.05		
Copper	2.5	.1	.1		
Iron	30	1.7	1.7		
Lead	2.0	.1	.1	-0.074	<2.0
Magnesium	500	3.5	3.6		
Manganese	1.5	.05	.05		
Molybdenum	5.0	.03	.05		
Nickel	4.0	.04	.05		
Potassium	1000	20	20		
Selenium	2.0	.24	.24		
Silver	1.0	.07	.082		
Sodium	1000	50	50		
Strontium	1.0	.05	.05		
Thallium	1.0	.11	.11		
Tin	5.0	.09	.09		
Titanium	1.0	.05	.05		
Vanadium	5.0	.05	.05		
Zinc	2.0	.3	.3		

Associated samples MP30234: FA31884-2, FA31884-1A, FA31884-5A, FA31884-8A, FA31884-11A, FA31884-14A, FA31884-17A, FA31884-26A, FA31884-29A, FA31884-33A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

8.4.1
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31884
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30234
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/12/16 04/12/16

Metal	FA31884-1A		QC Limits	FA31884-1A		QC Limits		
	Original	DUP		Original	DUP			
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead	159	141	12.0	0-20	159	146	8.5	0-20
Magnesium								
Manganese								
Molybdenum								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Strontium								
Thallium								
Tin								
Titanium								
Vanadium								
Zinc								

Associated samples MP30234: FA31884-2, FA31884-1A, FA31884-5A, FA31884-8A, FA31884-11A, FA31884-14A, FA31884-17A, FA31884-26A, FA31884-29A, FA31884-33A

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

8.4.2
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31884
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30234
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/12/16

Metal	FA31884-1A Original MS	Spikelot MPFLICP2 % Rec	QC Limits
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead	159 157	9.56	-20.9(a) 80-120
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

Associated samples MP30234: FA31884-2, FA31884-1A, FA31884-5A, FA31884-8A, FA31884-11A, FA31884-14A, FA31884-17A, FA31884-26A, FA31884-29A, FA31884-33A

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

8.4.2
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31884
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30234
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/12/16

Metal	FA31884-1A Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	159 152	9.92	-70.5(a) 3.2	20
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30234: FA31884-2, FA31884-1A, FA31884-5A, FA31884-8A, FA31884-11A, FA31884-14A, FA31884-17A, FA31884-26A, FA31884-29A, FA31884-33A

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

8.4.2
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA31884
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30234
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/12/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	10.1	10	101.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30234: FA31884-2, FA31884-1A, FA31884-5A, FA31884-8A, FA31884-11A, FA31884-14A, FA31884-17A, FA31884-26A, FA31884-29A, FA31884-33A

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

8.4.3
 8

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA31884
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30234
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 04/12/16

Metal	FA31884-1A	QC
	Original SDL 5:25 %DIF	Limits

Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	8320	8240	1.0	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30234: FA31884-2, FA31884-1A, FA31884-5A, FA31884-8A, FA31884-11A, FA31884-14A, FA31884-17A, FA31884-26A, FA31884-29A, FA31884-33A

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

8.4.4
8

POST DIGESTATE SPIKE SUMMARY

Login Number: FA31884
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30234
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date:

04/12/16

Metal	Sample ml	Final ml	FA31884-1A Raw	PS Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead	9.8	10	8322	8155.56	8426	0.2	2.5	50	540.9*(a)	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP30234: FA31884-2, FA31884-1A, FA31884-5A, FA31884-8A, FA31884-11A, FA31884-14A, FA31884-17A, FA31884-26A, FA31884-29A, FA31884-33A

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(**) Corr. sample result = Raw * (sample volume / final volume)

(anr) Analyte not requested

(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

8.4.5
8

Instrument Detection Limits

Job Number: FA31884
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE2	Effective Date: 01/27/15
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Analyte	IDL ug/l
Aluminum	14
Antimony	1
Arsenic	1.3
Barium	1
Beryllium	.2
Cadmium	.2
Calcium	50
Chromium	1
Cobalt	.2
Copper	1
Iron	17
Lead	1
Magnesium	35
Manganese	.5
Molybdenum	.3
Nickel	.4
Potassium	200
Selenium	2.4
Silicon	5
Silver	.7
Sodium	500
Strontium	.5
Sulfur	5
Thallium	1.1
Tin	.9
Titanium	.5
Vanadium	.5
Zinc	3

The above applies to the following instrument runs:
MA13018,MA13088

8.5
8

Instrument Linear Ranges

Job Number: FA31884
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE2

Effective Date: 10/22/10

Analyte	Linear Range ug/l
Aluminum	500000
Antimony	10000
Arsenic	10000
Barium	10000
Beryllium	10000
Cadmium	10000
Calcium	500000
Chromium	10000
Cobalt	10000
Copper	10000
Iron	500000
Lead	10000
Magnesium	500000
Manganese	10000
Molybdenum	10000
Nickel	10000
Potassium	80000
Selenium	10000
Silver	1000
Sodium	80000
Strontium	10000
Thallium	10000
Tin	10000
Titanium	10000
Vanadium	10000
Zinc	10000

The above applies to the following instrument runs:
MA13018,MA13088

8.5
8

Metals Analysis

Raw Data

Sample Name: Blank Acquired: 3/8/2016 9:17:42 Type: Cal
 Method: 60102007_041712(v850) Mode: IR Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.036	-0.090	-0.002	.0064	.0006	.0037	-0.009	.0000	.0001
Stddev	.0001	.0007	.0001	.0008	.0006	.0009	.0002	.0003	.0000
%RSD	2.895	7.577	57.86	12.95	90.69	23.74	25.07	627.5	17.47
#1	-.0035	-.0083	-.0001	.0056	.0004	.0033	-.0009	-.0003	.0001
#2	-.0037	-.0091	-.0001	.0072	.0013	.0032	-.0010	.0001	.0001
#3	-.0037	-.0097	-.0003	.0063	.0003	.0048	-.0006	.0003	.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0054	.0009	-.0033	-.0005	.0003	.0003	-.0475	-.0009	-.0015
Stddev	.0001	.0005	.0014	.0007	.0001	.0001	.0046	.0001	.0004
%RSD	1.699	51.42	43.06	147.4	36.78	41.50	9.688	7.847	27.58
#1	.0055	.0013	-.0041	-.0013	.0003	.0004	-.0502	-.0008	-.0010
#2	.0053	.0004	-.0040	-.0002	.0004	.0002	-.0422	-.0009	-.0017
#3	.0054	.0012	-.0016	-.0000	.0002	.0002	-.0502	-.0010	-.0017
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0002	-.0005	.0073	.0001	.0026	.0008	-.0039	-.0003	.0022
Stddev	.0002	.0001	.0002	.0001	.0011	.0001	.0002	.0001	.0000
%RSD	134.5	21.74	2.483	105.4	41.97	8.056	4.821	34.58	1.950
#1	.0004	-.0006	.0072	.0001	.0017	.0009	-.0037	-.0002	.0021
#2	.0002	-.0005	.0073	.0000	.0022	.0008	-.0041	-.0005	.0022
#3	-.0001	-.0004	.0075	.0001	.0038	.0008	-.0040	-.0003	.0022
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	3024.1	6939.2	57030.	6834.3					
Stddev	6.2	5.2	295.	6.6					
%RSD	.20477	.07507	.51685	.09593					
#1	3020.8	6937.5	56943.	6831.8					
#2	3020.4	6945.0	57358.	6829.4					
#3	3031.3	6935.0	56788.	6841.8					

Raw Data MA13018 page 1 of 117

Sample Name: LowStd Acquired: 3/8/2016 9:21:12 Type: Cal
 Method: 60102007_041712(v850) Mode: IR Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0335	1.475	.1282	5.980	4.434	2.777	2.773	1.299	.2247	.3262
Stddev	.0001	.003	.0001	.008	.004	.004	.003	.002	.0003	.0002
%RSD	.2726	.1665	.0562	.1352	.0842	.1470	.1089	.1740	.1446	.0543
#1	.0337	1.475	.1282	5.988	4.435	2.773	2.776	1.301	.2250	.3261
#2	.0335	1.477	.1283	5.972	4.430	2.781	2.774	1.299	.2244	.3264
#3	.0335	1.472	.1281	5.978	4.437	2.778	2.770	1.297	.2246	.3263
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.695	1.182	.2894	1.507	.7044	3.051	.8886	.6207	.1381	.0905
Stddev	.004	.004	.0015	.001	.0008	.004	.0021	.0013	.0003	.0005
%RSD	.2155	.3763	.5233	.0797	.1165	.1358	.2348	.2055	.2115	.5311
#1	1.695	1.187	.2888	1.508	.7052	3.055	.8907	.6193	.1382	.0910
#2	1.691	1.178	.2883	1.506	.7035	3.047	.8885	.6214	.1384	.0902
#3	1.698	1.182	.2911	1.505	.7044	3.050	.8865	.6215	.1378	.0903
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S			
Avg	.3910	.3114	7.666	.9582	.2829	.3352	1.679			
Stddev	.0017	.0008	.019	.0005	.0016	.0007	.003			
%RSD	.4384	.2418	.2504	.0554	.5748	.2165	.1954			
#1	.3930	.3120	7.688	.9588	.2815	.3360	1.682			
#2	.3901	.3116	7.661	.9581	.2827	.3346	1.679			
#3	.3900	.3105	7.651	.9577	.2847	.3350	1.676			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Units	Cts/S	Cts/S	Cts/S	Cts/S						
Avg	2825.1	6846.8	56493.	6850.2						
Stddev	7.1	6.4	192.	49.8						
%RSD	.25287	.09357	.34047	.72667						
#1	2833.3	6845.5	56361.	6868.4						
#2	2821.3	6841.1	56404.	6888.4						
#3	2820.6	6853.7	56713.	6793.9						

Raw Data MA13018 page 2 of 117

Sample Name: MidStd Acquired: 3/8/2016 9:24:48 Type: Cal
 Method: 60102007_041712(v850) Mode: IR Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1429	6.292	.5427	24.52	18.08	11.79	11.37	5.291	.9155	1.323
Stddev	.0001	.031	.0007	.10	.06	.05	.01	.003	.0020	.002
%RSD	.0496	4.867	.1204	.3965	.3335	.3881	.0824	.0498	.2198	.1481
#1	.1430	6.299	.5430	24.50	18.05	11.79	11.37	5.294	.9133	1.323
#2	.1429	6.319	.5420	24.62	18.14	11.83	11.36	5.289	.9172	1.321
#3	.1429	6.259	.5432	24.43	18.03	11.74	11.38	5.291	.9160	1.324
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7.880	5.083	1.232	6.123	2.909	13.30	3.598	2.644	.5793	.3831
Stddev	.028	.015	.006	.010	.006	.06	.002	.006	.0002	.0004
%RSD	.3564	.2892	.4743	.1655	.1926	.4311	.0616	.2243	.0327	.1012
#1	7.861	5.075	1.229	6.118	2.903	13.28	3.597	2.637	.5793	.3829
#2	7.912	5.100	1.239	6.135	2.909	13.36	3.596	2.648	.5791	.3836
#3	7.865	5.074	1.230	6.116	2.915	13.26	3.600	2.647	.5795	.3830
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S			
Avg	.7954	1.256	31.10	3.919	1.191	1.371	6.858			
Stddev	.0012	.001	.53	.003	.002	.002	.013			
%RSD	.1498	.0535	1.705	.0862	.2056	.1119	.1817			
#1	.7956	1.256	30.53	3.921	1.188	1.369	6.855			
#2	.7941	1.255	31.21	3.921	1.193	1.372	6.847			
#3	.7965	1.256	31.57	3.915	1.191	1.372	6.872			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Units	Cts/S	Cts/S	Cts/S	Cts/S						
Avg	2557.7	6578.0	54363.	6914.2						
Stddev	6.0	13.9	94.	48.1						
%RSD	.23289	.21068	.17285	.69506						
#1	2564.5	6583.2	54371.	6955.6						
#2	2555.4	6588.5	54265.	6861.5						
#3	2553.3	6562.3	54452.	6925.6						

Raw Data MA13018 page 3 of 117

Sample Name: HighStd Acquired: 3/8/2016 9:29:05 Type: Cal
 Method: 60102007_041712(v850) Mode: IR Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2914	12.72	1.079	49.04	35.43	23.50	22.28	10.42	1.799	2.616
Stddev	.0007	.01	.001	.30	1.01	.05	.01	.01	.007	.007
%RSD	.2294	.0899	.0623	.6097	2.863	.2315	.0331	.0486	.3807	.2705
#1	.2917	12.71	1.080	48.87	34.96	23.44	22.28	10.42	1.805	2.610
#2	.2906	12.73	1.079	48.86	34.73	23.55	22.29	10.42	1.801	2.613
#3	.2919	12.72	1.078	49.38	36.59	23.52	22.28	10.41	1.792	2.623
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	15.82	10.12	2.407	11.57	5.598	25.75	7.006	5.320	1.156	.7553
Stddev	.00	.01	.004	.09	.006	.06	.002	.008	.002	.0011
%RSD	.0186	.1304	.1746	.7852	.0997	.2193	.0286	.1425	.1894	.1508
#1	15.82	10.11	2.406	11.66	5.592	25.80	7.005	5.327	1.156	.7566
#2	15.83	10.13	2.403	11.56	5.602	25.77	7.006	5.321	1.158	.7543
#3	15.82	10.11	2.411	11.48	5.600	25.69	7.009	5.312	1.154	.7551
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S			
Avg	2.374	2.422	60.50	7.348	2.363	2.666	13.28			
Stddev	.002	.001	.71</							

Sample Name: HSTD Acquired: 3/8/2016 9:33:39 Type: QC
Method: 60102007_041712(v850) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 11 columns: Elem, Units, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 8 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and #1-3.

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Sample Name: HSTD Acquired: 3/8/2016 9:33:39 Type: QC
Method: 60102007_041712(v850) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 8 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and #1-3.

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Sample Name: ICV Acquired: 3/8/2016 9:40:32 Type: QC
Method: 60102007_041712(v850) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 11 columns: Elem, Units, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 8 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and #1-3.

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Sample Name: ICV Acquired: 3/8/2016 9:40:32 Type: QC
Method: 60102007_041712(v850) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 8 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and #1-3.

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Sample Name: ICB Acquired: 3/8/2016 9:50:54 Type: QC
 Method: 60102007_041712(v850) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0020	.0002	.0000	.0000	-.0005	.0000	.0000	-.0002	.0001
Stddev	.0004	.0140	.0008	.0001	.0001	.0002	.0000	.000	.0002	.0002
%RSD	439.9	702.7	435.0	580.2	848.7	51.07	113.3	155.2	92.20	153.3
#1	-.0002	-.0048	.0002	-.0001	.0001	-.0003	.0001	-.0001	-.0001	-.0001
#2	.0000	.0181	.0009	.0001	-.0001	-.0007	.0000	.0000	-.0001	.0002
#3	.0005	-.0073	-.0006	.0001	.0000	-.0004	.0000	-.0001	-.0004	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0034	.0100	.0101	.0000	.0005	.0059	.0000	-.0006	.0006	.0000
Stddev	.0007	.0164	.0018	.0000	.0001	.0086	.000	.0003	.0003	.0009
%RSD	18.95	164.8	17.87	119.3	30.24	145.5	204.2	44.99	55.74	9754.
#1	.0041	.0054	.0092	.0000	.0006	.0114	-.0001	-.0006	.0006	.0004
#2	.0028	.0282	.0089	.0000	.0004	-.0040	.0000	-.0008	.0003	.0007
#3	.0033	-.0037	.0122	.0001	.0004	.0102	.0000	-.0003	.0010	-.0011

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0002	-.0001	.0003	.0004	.0000	.0000
Stddev	.0001	.0001	.0001	.0000	.0005	.0001	.000
%RSD	129.2	37.63	67.52	11.39	109.5	296.4	109.9
#1	.0003	.0002	.0000	.0003	.0004	-.0001	.0000
#2	.0001	.0002	-.0001	.0004	.0000	.0001	.0000
#3	.0000	.0003	-.0001	.0003	.0009	.0001	-.0001

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CRIA Acquired: 3/8/2016 10:00:43 Type: QC
 Method: 60102007_041712(v850) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0091	.2130	.0098	.2059	.0050	1.029	.0052	.0526	.0102	.0259
Stddev	.0001	.0087	.0004	.0003	.0001	.004	.0000	.0001	.0002	.0003
%RSD	1.267	4.090	3.585	.1673	1.299	.390	2.550	2.498	1.511	1.296
#1	.0091	.2114	.0101	.2062	.0051	1.026	.0053	.0527	.0102	.0256
#2	.0093	.2224	.0094	.2055	.0050	1.033	.0052	.0527	.0101	.0262
#3	.0090	.2052	.0100	.2058	.0050	1.030	.0052	.0525	.0104	.0259

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3237	10.12	5.266	.0163	.0490	10.30	.0424	.0043	.0053	.0105
Stddev	.0011	.03	.033	.0000	.0001	.01	.0000	.0002	.0003	.0014
%RSD	.3310	.3449	.6220	.0528	.1372	.0975	.0661	3.834	6.581	13.16
#1	.3240	10.15	5.256	.0163	.0490	10.30	.0423	.0044	.0051	.0117
#2	.3247	10.12	5.302	.0163	.0490	10.30	.0424	.0044	.0050	.0107
#3	.3226	10.08	5.239	.0163	.0491	10.28	.0424	.0041	.0057	.0090

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0329	.0525	.0100	.0102	.0103	.0486	.0210
Stddev	.0001	.0001	.0000	.0000	.0003	.0001	.0000
%RSD	.3839	.2853	.1942	.4074	3.245	.2809	.0430
#1	.0328	.0527	.0100	.0102	.0100	.0487	.0210
#2	.0330	.0524	.0100	.0102	.0106	.0485	.0210
#3	.0330	.0526	.0100	.0102	.0105	.0486	.0210

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICB Acquired: 3/8/2016 9:50:54 Type: QC
 Method: 60102007_041712(v850) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3001.5	6932.7	56903.	6810.9
Stddev	4.6	5.4	351.	29.2
%RSD	.15204	.07829	.61706	.42855
#1	3001.4	6930.1	56861.	6808.9
#2	3006.2	6938.9	56574.	6782.8
#3	2997.0	6929.0	57273.	6841.0

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CRIA Acquired: 3/8/2016 10:00:43 Type: QC
 Method: 60102007_041712(v850) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2868.6	6859.0	56228.	6940.6
Stddev	1.4	11.8	186.	61.7
%RSD	.04885	.17238	.33133	.88954
#1	2870.0	6865.0	56362.	6931.1
#2	2867.2	6845.4	56307.	6884.2
#3	2868.7	6866.6	56016.	7006.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSA Acquired: 3/8/2016 10:09:42 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	479.0	.0006	.0000	.0002	461.5	-0.001	.0000	-0.007
Stddev	.0001	5.2	.0016	.0001	.0001	10.5	.0000	.0002	.0002
%RSD	44.71	1.094	264.1	779.0	30.54	2.277	19.36	370.7	31.87

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	179.0	.6453	493.2	.0008	.0000	.6860	.0007	-0.001
Stddev	.000	.5	.0289	1.7	.0000	.0001	.0158	.0002	.0029
%RSD	997.6	.2687	4.486	.3451	1.956	308.6	2.298	22.52	3311.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.019	.0000	.0177	F.0019	.0004	-0.0001	-0.0001	.0000	-0.007
Stddev	.0011	.0016	.0002	.0002	.0003	.0002	.0010	.0003	.0001
%RSD	54.80	13140.	.9842	10.02	66.82	117.3	1017.	11390.	14.26

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 3/8/2016 10:09:42 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2324.7	6176.4	49615.	6567.5
Stddev	7.0	4.8	241.	29.7
%RSD	.30298	.07726	.48473	.45186

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2327.2	6179.1	49369.	6547.2
Stddev	2316.7	6170.9	49849.	6601.6
%RSD	2330.1	6179.2	49626.	6553.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSAB Acquired: 3/8/2016 10:20:10 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9658	490.9	1.082	.5089	.4969	474.1	.9699	.4785	.5090	.5322
Stddev	.0010	3.7	.003	.0007	.0015	1.5	.0015	.0004	.0017	.0004
%RSD	.1002	.7544	.3112	.1451	.3032	.3216	.1598	.0889	.3280	.0743

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	189.0	.1151	508.8	.5138	.9311	.1964	.9609	.9470	1.007	1.022
Stddev	.2	.0053	.3	.0011	.0022	.0036	.0020	.0020	.001	.004
%RSD	.1094	4.600	.0670	.2190	.2314	1.839	.2113	.2126	.1250	.4014

Check ? Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1912	.9285	1.014	1.005	.9512	.4640	.9592
Stddev	.0002	.0020	.001	.002	.0006	.0007	.0035
%RSD	.0844	.2112	.1419	.1631	.0677	.1538	.3615

Check ? None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 3/8/2016 10:20:10 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2287.0	6116.0	49811.	6674.0
Stddev	4.6	9.7	155.	32.9
%RSD	.20277	.15882	.31033	.49248

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2286.8	6108.3	49926.	6706.0
Stddev	2291.8	6126.9	49872.	6675.7
%RSD	2282.5	6112.6	49635.	6640.3

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/8/2016 10:26:25 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2498	40.93	2.000	2.035	2.032	41.21	2.046	2.039	2.057	2.015
Stddev	.0008	.09	.004	.005	.005	.09	.002	.002	.002	.001
%RSD	.3310	.2089	.2071	.2683	.2339	.2214	.1120	.0910	.0882	.0311
#1	.2499	40.98	1.996	2.040	2.035	41.26	2.045	2.037	2.058	2.015
#2	.2506	40.98	1.999	2.036	2.035	41.26	2.049	2.040	2.058	2.015
#3	.2489	40.83	2.004	2.029	2.027	41.11	2.045	2.040	2.055	2.016

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.38	40.83	40.81	2.069	2.025	40.69	2.021	2.001	1.988	1.999
Stddev	.16	.11	.18	.002	.004	.18	.002	.001	.003	.001
%RSD	.3878	.2801	.4379	.1102	.1927	.4423	.0869	.0690	.1479	.0457
#1	40.54	40.96	41.02	2.069	2.021	40.88	2.019	1.999	1.991	2.000
#2	40.37	40.80	40.73	2.070	2.026	40.64	2.022	2.002	1.987	1.998
#3	40.22	40.74	40.69	2.066	2.029	40.53	2.021	2.001	1.986	1.998

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.425	2.050	2.047	2.068	2.015	2.058	2.014
Stddev	.002	.003	.044	.001	.004	.001	.003
%RSD	.1076	.1348	2.160	.0654	.2101	.0670	.1287
#1	1.426	2.047	1.998	2.069	2.017	2.058	2.011
#2	1.423	2.052	2.060	2.069	2.011	2.060	2.016
#3	1.426	2.051	2.083	2.067	2.019	2.057	2.015

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Sample Name: CCV Acquired: 3/8/2016 10:26:25 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2541.9	6627.5	5451.0	6846.2
Stddev	2.6	11.0	162.	8.2
%RSD	.10225	.16529	.29643	.11932
#1	2544.3	6638.0	54662.	6839.7
#2	2542.3	6628.3	54340.	6843.5
#3	2539.1	6616.1	54529.	6855.4

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.38	40.83	40.81	2.069	2.025	40.69	2.021	2.001	1.988	1.999
Stddev	.16	.11	.18	.002	.004	.18	.002	.001	.003	.001
%RSD	.3878	.2801	.4379	.1102	.1927	.4423	.0869	.0690	.1479	.0457
#1	40.54	40.96	41.02	2.069	2.021	40.88	2.019	1.999	1.991	2.000
#2	40.37	40.80	40.73	2.070	2.026	40.64	2.022	2.002	1.987	1.998
#3	40.22	40.74	40.69	2.066	2.029	40.53	2.021	2.001	1.986	1.998

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.425	2.050	2.047	2.068	2.015	2.058	2.014
Stddev	.002	.003	.044	.001	.004	.001	.003
%RSD	.1076	.1348	2.160	.0654	.2101	.0670	.1287
#1	1.426	2.047	1.998	2.069	2.017	2.058	2.011
#2	1.423	2.052	2.060	2.069	2.011	2.060	2.016
#3	1.426	2.051	2.083	2.067	2.019	2.057	2.015

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Sample Name: CCB Acquired: 3/8/2016 10:36:38 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0115	.0002	.0000	.0001	.0035	.0000	-.0001	-.0001	.0003
Stddev	.0001	.0058	.0005	.000	.0001	.0014	.0001	.0000	.0000	.0001
%RSD	17.16	50.35	311.1	47.86	63.99	39.87	201.5	36.48	45.55	32.72
#1	.0003	.0058	-.0001	.0000	.0001	.0051	.0001	-.0001	-.0001	.0004
#2	.0005	.0174	.0008	.0000	.0000	.0026	.0000	-.0001	-.0001	.0002
#3	.0005	.0113	-.0002	-.0001	.0002	.0028	.0000	-.0001	-.0001	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0109	.0130	.0122	.0001	.0003	.0244	.0000	-.0005	-.0002	.0005
Stddev	.0009	.0058	.0095	.0001	.0000	.0092	.0002	.0004	.0003	.0005
%RSD	8.525	44.51	77.70	85.00	6.330	37.85	669.3	83.04	132.5	113.5
#1	.0102	.0196	.0170	.0001	.0003	.0292	-.0001	-.0003	-.0003	.0005
#2	.0106	.0097	.0013	.0000	.0003	.0138	.0002	-.0002	.0001	-.0001
#3	.0120	.0095	.0182	.0001	.0003	.0303	-.0001	-.0010	-.0004	.0010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0002	.0000	.0002	.0005	.0001	-.0001
Stddev	.0002	.0002	.0001	.0001	.0001	.0000	.0000
%RSD	146.5	79.57	370.0	60.88	23.47	28.59	22.65
#1	.0003	.0000	.0001	.0001	.0004	.0002	-.0001
#2	.0001	.0003	.0000	.0003	.0006	.0002	-.0001
#3	.0000	.0004	.0000	.0001	.0006	.0001	-.0001

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/8/2016 10:36:38 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2997.2	6995.4	57233.	6937.4
Stddev	7.2	4.1	51.	84.6
%RSD	.23950	.05829	.08992	1.2196
#1	2990.1	7000.2	57291.	6878.5
#2	3004.5	6993.1	57216.	6899.3
#3	2996.9	6993.1	57192.	7034.3

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0109	.0130	.0122	.0001	.0003	.0244	.0000	-.0005	-.0002	.0005
Stddev	.0009	.0058	.0095	.0001	.0000	.0092	.0002	.0004	.0003	.0005
%RSD	8.525	44.51	77.70	85.00	6.330	37.85	669.3	83.04	132.5	113.5
#1	.0102	.0196	.0170	.0001	.0003	.0292	-.0001	-.0003	-.0003	.0005
#2	.0106	.0097	.0013	.0000	.0003	.0138	.0002	-.0002	.0001	-.0001
#3	.0120	.0095	.0182	.0001	.0003	.0303	-.0001	-.0010	-.0004	.0010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0002	.0000	.0002	.0005	.0001	-.0001
Stddev	.0002	.0002	.0001	.0001	.0001	.0000	.0000
%RSD	146.5	79.57	370.0	60.88	23.47	28.59	22.65
#1	.0003	.0000	.0001	.0001	.0004	.0002	-.0001
#2	.0001	.0003	.0000	.0003	.0006	.0002	-.0001
#3	.0000	.0004	.0000	.0001	.0006	.0001	-.0001

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: FA31922-4 Acquired: 3/8/2016 10:40:51 Type: Unk
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	
Avg	.0019	111.5	.1169	1.248	.0037	67.34	.0003	.0058	.1603	.4653	
Stddev	.0004	.1	.0005	.002	.0000	.06	.0001	.0001	.0003	.0014	
%RSD	21.28	.0745	.4352	.1273	1.251	.0831	35.42	1.535	.1719	.3037	
#1	.0015	111.5	.1163	1.250	.0037	67.41	.0003	.0059	.1604	.4666	
#2	.0022	111.6	.1170	1.247	.0038	67.31	.0003	.0057	.1605	.4655	
#3	.0021	111.4	.1173	1.247	.0037	67.31	.0002	.0059	.1600	.4638	
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	
IS Ref	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	
Avg	22.26	1.409	2.280	.0705	.0017	7.551	.0308	.1179	.0011	.0059	
Stddev	.10	.031	.031	.0001	.0001	.0186	.0002	.0005	.0023	.0017	
%RSD	.4657	2.196	1.374	.1579	5.352	2.464	.7806	.3979	202.8	28.44	
#1	22.38	1.378	2.252	.0706	.0017	7.721	.0310	.1178	.0008	.0042	
#2	22.20	1.409	2.275	.0705	.0016	7.352	.0306	.1174	.0036	.0075	
#3	22.21	1.440	2.314	.0704	.0017	7.580	.0308	.1184	-.0010	.0060	
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062				
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)				
Avg	3.445	.0145	2.379	.3307	-.0036	.1091	.1098				
Stddev	.004	.0006	.006	.0006	.0020	.0006	.0004				
%RSD	.1293	4.225	.2563	.1837	54.45	.5047	.3434				
#1	3.445	.0138	2.386	.3313	-.0043	.1097	.1096				
#2	3.440	.0149	2.377	.3305	-.0014	.1089	.1096				
#3	3.448	.0147	2.374	.3301	-.0051	.1086	.1102				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710							
Avg	2821.0	8381.1	68371.1	8497.6							
Stddev	1.0	7.8	311.1	23.5							
%RSD	.03679	.09270	.45532	.27686							
#1	2820.6	8380.7	68015.1	8482.4							
#2	2820.3	8389.1	68593.1	8485.7							
#3	2822.2	8373.6	68505.1	8524.7							

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Sample Name: FA31922-5 Acquired: 3/8/2016 10:44:53 Type: Unk
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	
Avg	.0024	102.6	.0396	1.226	.0034	448.1	.0006	.0057	.1912	.1201	
Stddev	.0003	.3	.0010	.003	.0001	8.0	.0001	.0002	.0010	.0006	
%RSD	11.37	.2559	2.649	.2130	3.006	1.788	9.468	3.517	.5193	.4876	
#1	.0028	102.9	.0408	1.229	.0033	441.3	.0006	.0060	.1901	.1201	
#2	.0024	102.4	.0390	1.224	.0035	446.1	.0006	.0056	.1914	.1195	
#3	.0022	102.5	.0390	1.227	.0035	457.0	.0006	.0057	.1920	.1207	
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	
Avg	26.17	1.361	6.118	.1389	.0017	8.478	.0312	.1710	-.0006	.0014	
Stddev	.05	.032	.014	.0006	.0000	.0166	.0002	.0012	.0006	.0018	
%RSD	.1908	2.379	.2346	.4359	2.278	1.961	.7095	.6756	87.98	133.0	
#1	26.22	1.337	6.122	.1383	.0018	8.526	.0309	.1722	-.0002	-.0007	
#2	26.12	1.347	6.102	.1395	.0017	8.615	.0314	.1699	-.0005	.0025	
#3	26.17	1.397	6.130	.1390	.0017	8.293	.0312	.1710	-.0012	.0024	
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062				
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)				
Avg	3.815	.0123	2.901	.3890	-.0050	.1685	.1199				
Stddev	.006	.0005	.006	.0006	.0014	.0010	.0003				
%RSD	.1541	3.747	.1976	.1418	28.57	.5965	.2144				
#1	3.812	.0128	2.906	.3885	-.0066	.1678	.1196				
#2	3.812	.0122	2.895	.3890	-.0039	.1697	.1198				
#3	3.822	.0119	2.902	.3896	-.0045	.1681	.1201				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710							
Avg	2616.5	8138.8	66522.1	8324.8							
Stddev	1.2	5.4	338.1	44.1							
%RSD	.04586	.06584	.50816	.52968							
#1	2615.2	8143.8	66883.1	8276.9							
#2	2616.7	8139.6	66214.1	8363.7							
#3	2617.6	8133.1	66468.1	8333.8							

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Sample Name: FA31937-1 Acquired: 3/8/2016 10:49:04 Type: Unk
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	
Avg	.0050	104.8	.0902	.9763	.0096	2173.1	.0021	.0410	.3081	.5552	
Stddev	.0005	.2	.0030	.0002	.0001	30.1	.0001	.0003	.0045	.0018	
%RSD	10.87	.1533	3.303	.0173	1.062	1.389	3.810	.8206	1.468	.3164	
#1	.0055	104.6	.0868	.9761	.0098	2168.1	.0022	.0412	.3059	.5562	
#2	.0044	105.0	.0916	.9764	.0096	2145.1	.0020	.0411	.3133	.5562	
#3	.0052	104.9	.0922	.9764	.0096	2205.1	.0021	.0406	.3051	.5531	
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	
Avg	82.31	36.04	27.71	1.292	.0590	14.75	.1495	.2368	-.0006	.0112	
Stddev	.18	.13	.08	.004	.0004	.10	.0006	.0040	.0070	.0027	
%RSD	.2157	.3606	.2829	.2763	.6966	.6487	.4267	1.710	114.0	24.40	
#1	82.13	35.89	27.78	1.296	.0594	14.68	.1488	.2323	-.0001	.0133	
#2	82.31	36.12	27.73	1.289	.0586	14.86	.1499	.2401	-.0079	.0123	
#3	82.49	36.10	27.62	1.290	.0590	14.71	.1498	.2381	.0061	.0081	
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062				
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)				
Avg	4.931	.0524	4.161	4.305	-.0052	.3306	1.944				
Stddev	.015	.0019	.011	.005	.0031	.0004	.009				
%RSD	.3077	3.660	.2547	.1095	58.53	.1132	.4592				
#1	4.914	.0502	4.155	4.309	-.0074	.3309	1.935				
#2	4.941	.0533	4.173	4.307	-.0065	.3308	1.946				
#3	4.939	.0537	4.154	4.300	-.0017	.3302	1.952				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710							
Avg	2514.6	6750.4	55704.1	7024.4							
Stddev	13.0	29.8	120.1	34.6							
%RSD	.51746	.44108	.21564	.49246							
#1	2529.6	6783.0	55586.1	7063.6							
#2	2507.8	6743.5	55700.1	7011.3							
#3	2506.3	6724.7	55826.1	6998.2							

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Sample Name: FA31964-1 Acquired: 3/8/2016 10:53:13 Type: Unk
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0027	22.80	.0280	.1040	.0010	375.5	-.0017	.0082	.1322	.0912
Stddev	.0026	.09	.0042	.0006	.0008	72.1	.0001	.0004	.0039	.0032
%RSD	96.59	.3865	14.99	.5399	80.83	1.924	4.062	4.895	2.917	3.475
#1	.0056	22.89	.0263	.1044	.0001	382.3	-.0017	.0082	.1278	.0947
#2	.0009	22.71	.0249	.1034	.0014	376.3	-.0016	.0078	.1342	.0884
#3	.0014	22.80	.0327	.1043	.0014	367.9	-.0017	.0086	.1347	.0907
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	44.32	2.334	26.79	.4538	-.0069	3.156	.0326	.0645	-.0005	.0027
Stddev	.13	.106	.22	.0008	.0010	.109	.0004	.0096	.0144	.0114
%RSD	.2911	4.								

Sample Name: CCV Acquired: 3/8/2016 11:22:57 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2505	41.02	2.024	2.044	2.041	41.25	2.048	2.042	2.050	2.029
Stddev	.0006	.19	.000	.008	.011	.19	.003	.001	.004	.002
%RSD	.2508	.4704	.0078	.4046	.5220	.4554	.1290	.0658	.2080	.0991
#1	.2505	41.08	2.024	2.048	2.046	41.35	2.048	2.043	2.050	2.031
#2	.2499	40.80	2.024	2.035	2.028	41.03	2.046	2.041	2.047	2.027
#3	.2512	41.17	2.024	2.050	2.048	41.36	2.051	2.043	2.055	2.030

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.35	41.09	40.69	2.073	2.051	40.90	2.040	2.009	2.019	2.034
Stddev	.14	.20	.17	.007	.003	.13	.002	.001	.003	.003
%RSD	.3484	.4835	.4104	.3243	.1639	.3081	.0787	.0584	.1470	.1642
#1	40.47	41.17	40.81	2.068	2.047	41.03	2.039	2.008	2.022	2.037
#2	40.20	40.86	40.50	2.069	2.051	40.78	2.040	2.009	2.017	2.035
#3	40.40	41.23	40.76	2.080	2.054	40.90	2.042	2.010	2.016	2.030

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.446	2.060	2.060	2.079	2.024	2.059	2.038
Stddev	.001	.003	.028	.004	.004	.002	.005
%RSD	.0818	.1458	1.377	.2093	.1887	.1104	.2481
#1	1.447	2.058	2.093	2.076	2.022	2.061	2.033
#2	1.447	2.058	2.045	2.077	2.022	2.057	2.037
#3	1.445	2.063	2.042	2.084	2.028	2.060	2.043

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 3/8/2016 11:22:57 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2550.6	6586.5	5457.2	6829.4
Stddev	5.0	15.8	187.	18.0
%RSD	.19638	.23985	.34193	.26305
#1	2554.5	6598.7	54659.	6830.0
#2	2552.3	6592.3	54698.	6847.1
#3	2544.9	6568.7	54357.	6811.1

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.35	41.09	40.69	2.073	2.051	40.90	2.040	2.009	2.019	2.034
Stddev	.14	.20	.17	.007	.003	.13	.002	.001	.003	.003
%RSD	.3484	.4835	.4104	.3243	.1639	.3081	.0787	.0584	.1470	.1642
#1	40.47	41.17	40.81	2.068	2.047	41.03	2.039	2.008	2.022	2.037
#2	40.20	40.86	40.50	2.069	2.051	40.78	2.040	2.009	2.017	2.035
#3	40.40	41.23	40.76	2.080	2.054	40.90	2.042	2.010	2.016	2.030

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.446	2.060	2.060	2.079	2.024	2.059	2.038
Stddev	.001	.003	.028	.004	.004	.002	.005
%RSD	.0818	.1458	1.377	.2093	.1887	.1104	.2481
#1	1.447	2.058	2.093	2.076	2.022	2.061	2.033
#2	1.447	2.058	2.045	2.077	2.022	2.057	2.037
#3	1.445	2.063	2.042	2.084	2.028	2.060	2.043

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCB Acquired: 3/8/2016 11:27:01 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0026	.0005	.0002	.0001	.0041	.0001	.0000	-.0002
Stddev	.0002	.0084	.0002	.0002	.0001	.0031	.0000	.000	.0000
%RSD	58.81	326.6	51.25	70.55	58.71	77.01	55.68	177.7	11.23
#1	.0003	.0054	.0007	.0002	.0001	.0072	.0001	-.0001	-.0002
#2	.0006	-.0068	.0002	.0004	.0002	.0009	.0001	-.0001	-.0002
#3	.0001	.0091	.0005	.0001	.0000	.0041	.0000	.0000	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0259	.0181	.0229	.0001	F .0020	.0303	.0001	-.0009
Stddev	.0001	.0045	.0303	.0111	.0000	.0004	.0040	.0000	.0004
%RSD	14.77	17.37	167.5	48.36	29.78	18.64	13.14	30.62	47.56
#1	.0005	.0308	.0503	.0287	.0001	.0024	.0258	.0001	-.0005
#2	.0005	.0248	-.0097	.0299	.0001	.0019	.0315	.0002	-.0009
#3	.0006	.0220	.0137	.0101	.0001	.0016	.0335	.0001	-.0014

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	.0009	.0005	.0003	.0001	.0010	.0002	.0003	.0002
Stddev	.0006	.0012	.0002	.0002	.0001	.0002	.0007	.0003	.0001
%RSD	139.0	132.2	35.15	46.68	71.58	17.24	390.5	109.7	44.66
#1	-.0007	-.0003	.0003	.0004	.0001	.0012	.0010	.0000	.0002
#2	-.0008	.0009	.0007	.0004	.0000	.0010	-.0001	.0003	.0002
#3	.0003	.0021	.0004	.0002	.0001	.0008	-.0003	.0006	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/8/2016 11:27:01 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3004.1	6969.0	57418.	6753.6
Stddev	3.3	16.0	216.	46.3
%RSD	.10984	.22955	.37584	.68561
#1	3001.5	6952.1	57248.	6742.8
#2	3007.8	6971.0	57346.	6713.6
#3	3003.1	6983.9	57661.	6804.3

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0259	.0181	.0229	.0001	F .0020	.0303	.0001	-.0009
Stddev	.0001	.0045	.0303	.0111	.0000	.0004	.0040	.0000	.0004
%RSD	14.77	17.37	167.5	48.36	29.78	18.64	13.14	30.62	47.56
#1	.0005	.0308	.0503	.0287	.0001	.0024	.0258	.0001	-.0005
#2	.0005	.0248	-.0097	.0299	.0001	.0019	.0315	.0002	-.0009
#3	.0006	.0220	.0137	.0101	.0001	.0016	.0335	.0001	-.0014

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	.0009	.0005	.0003	.0001	.0010	.0002	.0003	.0002
Stddev	.0006	.0012	.0002	.0002	.0001	.0002	.0007	.0003	.0001
%RSD	139.0	132.2	35.15	46.68	71.58	17.24	390.5	109.7	44.66
#1	-.0007	-.0003	.0003	.0004	.0001	.0012	.0010	.0000	.0002
#2	-.0008	.0009	.0007	.0004	.0000	.0010	-.0001	.0003	.0002
#3	.0003	.0021	.0004	.0002	.0001	.0008	-.0003	.0006	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: FA31887-23 Acquired: 3/8/2016 11:39:48 Type: Unk
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 100.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.1243	627.5	.0992	2.344	.0013	123.7	.0669	.4488	22.99
Stddev	.0333	3.8	.0294	.021	.0057	.4	.0038	.0035	.10
%RSD	26.82	.5992	29.69	.9085	424.9	.3037	5.713	.7788	4.208
#1	.1628	630.1	.1041	2.355	-.0026	123.6	.0634	.4489	22.90
#2	.1046	629.3	.0676	2.358	-.0012	124.1	.0710	.4453	23.09
#3	.1056	623.2	.1259	2.320	.0078	123.3	.0662	.4523	22.98
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	F522.4	494.6	8.965	44.55	7.303	.8913	2.916	8.406	24.20
Stddev	.1	.9	3.540	.84	.013	.0017	.635	.015	.04
%RSD	.0268	.1775	39.49	1.876	.1760	.1963	21.76	.1726	.1506
#1	522.5	495.5	7.631	45.43	7.304	.8909	2.217	8.407	24.16
#2	522.4	493.7	12.98	43.77	7.315	.8898	3.457	8.420	24.23
#3	522.3	494.5	6.286	44.46	7.290	.8932	3.074	8.391	24.20
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0600	.0634	4.661	3.565	.6518	3.860	-.0187	.7785	F465.1
Stddev	.0553	.1282	.071	.011	.0050	.016	.0408	.0196	.3
%RSD	92.06	202.3	1.515	.2955	.7629	.4110	217.6	2.519	.0731
#1	.0359	-.0110	4.707	3.556	.6474	3.851	-.0657	.7840	464.7
#2	.0209	.2115	4.579	3.564	.6507	3.849	.0016	.7947	465.4
#3	.1233	-.0104	4.696	3.576	.6572	3.878	.0078	.7567	465.2
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2962.6	7022.0	5777.5	6979.3					
Stddev	2.1	3.8	177.	30.3					
%RSD	.06949	.05346	.30597	.43484					
#1	2963.9	7025.1	57860.	6953.5					
#2	2960.2	7017.8	57572.	7012.7					
#3	2963.7	7023.2	57893.	6971.6					

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Sample Name: FA31887-24 Acquired: 3/8/2016 11:43:50 Type: Unk
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 100.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.1467	303.7	.0802	1.857	-.0025	316.4	.1080	.2389	6.547
Stddev	.0330	1.7	.0425	.011	.0056	.8	.0024	.0029	.048
%RSD	22.49	.5629	52.97	.5658	221.6	.2666	2.200	1.197	.7261
#1	.1251	305.1	.0322	1.866	-.0038	317.2	.1056	.2422	6.500
#2	.1304	301.8	.0956	1.845	-.0074	315.5	.1082	.2367	6.547
#3	.1847	304.1	.1128	1.860	.0036	316.5	.1103	.2379	6.595
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	F680.4	607.2	13.26	29.12	10.74	1.289	5.677	8.840	27.51
Stddev	6.1	2.3	2.54	.89	.01	.006	.993	.025	.04
%RSD	.8993	.3754	19.16	3.039	.1382	.4436	17.50	.2782	.1569
#1	675.0	608.9	11.73	29.78	10.74	1.291	6.653	8.869	27.55
#2	679.0	604.6	11.86	28.12	10.72	1.293	5.711	8.827	27.47
#3	687.0	608.1	16.19	29.48	10.75	1.282	4.668	8.825	27.50
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)	(Y_2243)
Avg	.0238	.1285	3.592	2.497	.7354	3.304	.0294	.7101	F602.7
Stddev	.0598	.0384	.059	.014	.0074	.019	.0236	.0080	.8
%RSD	251.9	29.93	1.649	.5452	1.012	.5719	80.17	1.133	.1250
#1	.0042	.1510	3.598	2.510	.7439	3.299	.0479	.7036	603.5
#2	.0909	.0841	3.649	2.498	.7321	3.288	.0376	.7076	602.6
#3	-.0238	.1503	3.531	2.483	.7301	3.325	.0028	.7191	602.0
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2960.8	6907.5	57593.	6983.0					
Stddev	5.6	.9	250.	42.5					
%RSD	.18861	.01349	.43333	.60867					
#1	2963.9	6906.6	57865.	7000.6					
#2	2964.1	6908.4	57540.	7013.9					
#3	2954.3	6907.4	57374.	6934.6					

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Sample Name: FA31887-25 Acquired: 3/8/2016 11:48:01 Type: Unk
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 100.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0930	111.7	.0343	1.352	.0103	26.56	.1686	.1849	2.215
Stddev	.0137	.9	.0199	.013	.0027	.25	.0015	.0028	.0124
%RSD	14.79	.8497	57.93	.9276	25.95	.9232	9.168	1.527	5.588
#1	.1081	112.1	.0248	1.338	.0134	26.28	.1670	.1853	2.130
#2	.0812	110.6	.0210	1.363	.0088	26.72	.1701	.1819	2.357
#3	.0895	112.4	.0572	1.354	.0087	26.68	.1686	.1875	2.159
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	F428.7	86.34	3.338	5.704	1.158	.0517	3.555	2.566	14.69
Stddev	.9	.20	2.494	.324	.003	.0083	.837	.016	.05
%RSD	.2023	.2319	74.72	5.673	.2459	15.96	23.56	.6296	.3708
#1	427.9	86.57	5.497	5.985	1.161	.0480	2.810	2.554	14.75
#2	428.7	86.22	.6078	5.777	1.159	.0460	4.461	2.585	14.68
#3	429.6	86.22	3.910	5.350	1.155	.0612	3.393	2.560	14.64
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0014	.0282	5.060	2.402	.3694	5.029	.0312	.3737	F619.4
Stddev	.0715	.1182	.239	.030	.0093	.022	.0872	.0239	1.9
%RSD	5199.	418.6	4.731	1.268	2.515	.4360	279.2	6.402	.3033
#1	.0602	.1637	4.806	2.384	.3689	5.037	-.0018	.3465	620.8
#2	.0221	-.0250	5.092	2.385	.3790	5.004	.1301	.3915	620.0
#3	-.0782	-.0540	5.281	2.437	.3604	5.045	-.0346	.3831	617.3
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2990.1	7018.8	57607.	6929.2					
Stddev	5.8	13.8	21.	15.5					
%RSD	.19463	.19598	.03668	.22300					
#1	2995.0	7016.6	57625.	6922.2					
#2	2983.7	7006.3	57583.	6918.6					
#3	2991.6	7033.6	57612.	6947.0					

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Sample Name: FA31887-26 Acquired: 3/8/2016 11:52:06 Type: Unk
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 100.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.1265	514.3	.0367	1.672	-.0044	507.5	.0987	.1435	2.104
Stddev	.0245	2.0	.0341	.024	.0075	.9	.0020	.0063	.029
%RSD	19.36	.3808	92.81	1.416	170.0	.1765	2.030	4.393	1.353
#1	.1520	513.8	.0259	1.678	.0043	507.0	.0975	.1478	2.099
#2	.1244	512.6	.0749	1.646	-.0086	507.0	.0977	.1363	2.079
#3	.1032	516.5	.0093	1.692	-.0090	508.6	.1011	.1465	2.135
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	368.3	312.8	13.09	40.43	10.92	1.568	4.128	3.060	25.58
Stddev	.5	.9	1.25	1.11	.04	.0157	.126	.008	.07

Sample Name: FA31887-27 Acquired: 3/8/2016 11:56:29 Type: Unk
Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA31890-1 Acquired: 3/8/2016 12:00:31 Type: Unk
Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 250.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA31890-2 Acquired: 3/8/2016 12:04:34 Type: Unk
Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 250.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA31890-3 Acquired: 3/8/2016 12:08:54 Type: Unk
Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 250.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: CCV Acquired: 3/8/2016 12:12:58 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2481	41.31	2.000	2.034	2.028	41.47	2.042	2.036	2.047	2.002
Stddev	.0003	.15	.004	.004	.004	.15	.002	.000	.002	.005
%RSD	.1232	.3639	.1893	.2172	.2056	.3696	.0817	.0197	.0743	.2411
#1	2484	41.46	1.996	2.039	2.032	41.61	2.041	2.036	2.046	2.001
#2	2478	41.30	2.003	2.031	2.027	41.48	2.044	2.037	2.046	1.998
#3	2481	41.16	2.001	2.033	2.024	41.31	2.041	2.037	2.048	2.008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.81	41.02	40.35	2.041	2.023	40.26	2.017	1.992	1.985	1.999
Stddev	.04	.11	.16	.012	.007	.02	.002	.003	.004	.006
%RSD	.1097	.2650	.3960	.5911	.3549	.0440	.0921	.1584	.1852	.2898
#1	39.83	41.13	40.40	2.045	2.015	40.25	2.014	1.990	1.981	1.995
#2	39.85	41.02	40.47	2.028	2.025	40.26	2.018	1.996	1.985	1.996
#3	39.76	40.91	40.17	2.051	2.029	40.28	2.017	1.991	1.988	2.005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.423	2.047	2.039	2.046	2.010	2.052	2.007
Stddev	.004	.003	.010	.002	.003	.003	.003
%RSD	.3075	.1260	.5074	.0995	.1364	.1324	.1240
#1	1.418	2.045	2.041	2.044	2.007	2.051	2.005
#2	1.425	2.050	2.049	2.046	2.013	2.049	2.010
#3	1.426	2.047	2.028	2.048	2.010	2.055	2.007

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/8/2016 12:12:58 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2549.1	6644.1	5511.7	6787.1
Stddev	4.7	11.7	164.	33.2
%RSD	.18259	.17631	.29817	.48873
#1	2552.0	6657.6	5529.3	6803.8
#2	2543.7	6636.4	5509.0	6748.9
#3	2551.6	6638.3	5496.8	6808.7

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.81	41.02	40.35	2.041	2.023	40.26	2.017	1.992	1.985	1.999
Stddev	.04	.11	.16	.012	.007	.02	.002	.003	.004	.006
%RSD	.1097	.2650	.3960	.5911	.3549	.0440	.0921	.1584	.1852	.2898
#1	39.83	41.13	40.40	2.045	2.015	40.25	2.014	1.990	1.981	1.995
#2	39.85	41.02	40.47	2.028	2.025	40.26	2.018	1.996	1.985	1.996
#3	39.76	40.91	40.17	2.051	2.029	40.28	2.017	1.991	1.988	2.005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.423	2.047	2.039	2.046	2.010	2.052	2.007
Stddev	.004	.003	.010	.002	.003	.003	.003
%RSD	.3075	.1260	.5074	.0995	.1364	.1324	.1240
#1	1.418	2.045	2.041	2.044	2.007	2.051	2.005
#2	1.425	2.050	2.049	2.046	2.013	2.049	2.010
#3	1.426	2.047	2.028	2.048	2.010	2.055	2.007

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 3/8/2016 12:17:05 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0043	.0004	.0001	.0001	.0002	.0000	-.0001	-.0001
Stddev	.0004	.0081	.0003	.0002	.0000	.0012	.0000	.0000	.0003
%RSD	481.6	186.3	92.11	104.6	38.47	620.6	86.49	29.13	515.5
#1	.0004	.0045	.0000	.0002	.0001	.0000	.0000	-.0002	-.0003
#2	.0003	.0123	.0007	.0000	.0001	.0015	.0001	-.0001	.0002
#3	-.0004	-.0038	.0003	.0003	.0001	-.0009	.0000	-.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0219	.0178	.0156	.0001	F.0020	.0084	.0001	-.0004
Stddev	.0002	.0042	.0155	.0069	.0000	.0005	.0058	.0001	.0004
%RSD	92.82	18.99	86.67	44.22	25.41	25.72	68.42	69.25	99.18
#1	.0003	.0261	.0015	.0157	.0001	.0025	.0151	.0001	-.0003
#2	.0000	.0217	.0197	.0087	.0001	.0019	.0057	.0002	-.0001
#3	.0003	.0178	.0323	.0225	.0001	.0015	.0045	.0001	-.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0005	.0018	.0003	.0000	.0010	.0010	.0000	-.0001
Stddev	.0004	.0005	.0005	.0004	.000	.0002	.0004	.0000	.0000
%RSD	183.2	87.19	26.46	102.5	439.0	18.81	43.32	91.26	33.43
#1	.0002	.0011	.0017	.0007	.0000	.0012	.0013	.0000	-.0001
#2	-.0003	.0002	.0013	.0002	.0000	.0008	.0005	.0000	-.0001
#3	-.0005	.0004	.0023	.0000	-.0001	.0010	.0011	.0001	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/8/2016 12:17:05 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2988.2	6876.5	5699.6	6863.1
Stddev	4.3	20.3	224.	27.1
%RSD	.14379	.29475	.39237	.39431
#1	2993.2	6897.1	5683.1	6894.4
#2	2986.1	6875.9	5690.7	6847.5
#3	2985.4	6856.6	5725.1	6847.5

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.81	41.02	40.35	2.041	2.023	40.26	2.017	1.992
Stddev	.04	.11	.16	.012	.007	.02	.002	.003
%RSD	.1097	.2650	.3960	.5911	.3549	.0440	.0921	.1584
#1	39.83	41.13	40.40	2.045	2.015	40.25	2.014	1.990
#2	39.85	41.02	40.47	2.028	2.025	40.26	2.018	1.996
#3	39.76	40.91	40.17	2.051	2.029	40.28	2.017	1.991

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.423	2.047	2.039	2.046	2.010	2.052	2.007
Stddev	.004	.003	.010	.002	.003	.003	.003
%RSD	.3075	.1260	.5074	.0995	.1364	.1324	.1240
#1	1.418	2.045	2.041	2.044	2.007	2.051	2.005
#2	1.425	2.050	2.049	2.046	2.013	2.049	2.010
#3	1.426	2.047	2.028	2.048	2.010	2.055	2.007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: MP30077-MB1 Acquired: 3/8/2016 12:21:14 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0054	-.0001	-.0001	-.0001	.0015	-.0001	-.0001	-.0001	-.0001
Stddev	.0003	.0056	.0004	.0002	.0000	.0016	.0000	.0001	.0004	.0001
%RSD	325.3	102.9	712.5	447.9	69.14	105.1	33.94	50.13	495.0	134.0
#1	-.0002	-.0005	.0001	.0001	-.0001	-.0003	-.0001	-.0002	-.0005	-.0002
#2	.0000	.0105	.0002	-.0003	-.0001	.0023	.0000	-.0001	.0000	-.0002
#3	.0005	.0062	-.0005	.0000	.0000	.0025	-.0001	-.0001	.0002	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0039	.0195	.0020	.0000	.0003	.0222	-.0001	-.0015	-.0003	-.0002
Stddev	.0016	.0216	.0146	.000	.0001	.0142	.0001	.0003	.0003	.0002
%RSD	42.04	110.5	720.1	87.26	42.52	64.22	112.5	19.54	115.2	112.8
#1	.0043	.0433	.0072	.0000	.0003	.0061	-.0001	-.0012	-.0001	-.0003
#2	.0053	.0012	.0133	.0000	.0004	.0332	.0000	-.0014	.0000	-.0001
#3	.0021	.0141	-.0144	-.0001	.0001	.0272	-.0001	-.0018	-.0006	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0050	.0000	-.0001	.0000	-.0004	.0002	-.0001
Stddev	.0002	.0002	.0001	.0000	.0005	.0002	.0001
%RSD	3.746	1172.	60.39	208.1	123.1	81.54	38.95
#1	.0049	.0002	-.0002	.0000	.0001	.0001	-.0001
#2	.0052	.0000	-.0001	.0000	-.0003	.0001	-.0002
#3	.0049	-.0001	-.0001	.0000	-.0009	.0004	-.0001

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30077-MB1 Acquired: 3/8/2016 12:21:14 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3001.3	6839.1	5755.1	6752.9
Stddev	3.0	4.1	82.	56.7
%RSD	.09921	.05975	.14191	.83981
#1	3000.1	6837.5	5749.1	6715.0
#2	3004.7	6836.1	5751.8	6818.1
#3	2999.2	6843.8	5764.4	6725.5

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30077-B1 Acquired: 3/8/2016 12:25:25 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0503	29.63	2.079	2.169	.0557	27.70	.0536	.5295	.2139	.2704
Stddev	.0005	.05	.003	.001	.0001	.06	.0000	.0003	.0003	.0004
%RSD	.9163	.1558	.1541	.0342	.1662	.2197	.0601	.0585	.1494	.1337
#1	.0506	29.64	2.082	2.170	.0557	27.77	.0536	.5297	.2136	.2706
#2	.0498	29.58	2.076	2.168	.0556	27.65	.0536	.5295	.2142	.2706
#3	.0506	29.66	2.080	2.169	.0556	27.70	.0536	.5291	.2140	.2700

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	28.92	27.72	27.22	.5499	.5369	27.60	.5410	.5160	.5226	2.105
Stddev	.06	.04	.10	.0003	.0007	.07	.0009	.0011	.0010	.006
%RSD	.2227	.1261	.3606	.0576	.1239	.2656	.1614	.2100	.1945	.2920
#1	28.99	27.76	27.27	.5502	.5370	27.68	.5419	.5153	.5238	2.100
#2	28.86	27.69	27.11	.5496	.5361	27.59	.5408	.5172	.5221	2.104
#3	28.91	27.71	27.28	.5498	.5375	27.54	.5402	.5154	.5220	2.112

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0075	.5583	.5430	.5474	2.079	.5020	.5419
Stddev	.0002	.0006	.0010	.0011	.003	.0004	.0014
%RSD	2.208	.1039	.1803	.2048	.1227	.0855	.2656
#1	.0076	.5590	.5440	.5487	2.076	.5018	.5434
#2	.0076	.5579	.5431	.5468	2.079	.5025	.5418
#3	.0073	.5581	.5420	.5467	2.081	.5017	.5405

Check ? None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30077-B1 Acquired: 3/8/2016 12:25:25 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2672.9	6605.2	5501.4	6641.9
Stddev	3.8	12.7	110.	41.8
%RSD	.14261	.19296	.20082	.62889
#1	2675.2	6598.3	5491.7	6594.7
#2	2668.5	6597.4	5499.1	6657.4
#3	2675.0	6619.9	5513.4	6673.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: FA31958-3 Acquired: 3/8/2016 12:29:23 Type: Unk
Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0004	.0132	.0013	.0166	-.0001	53.09	.0000	-.0002	.0003	.0003
Stddev	.0001	.0080	.0003	.0001	.0000	.12	.000	.0002	.0000	.0001
%RSD	25.88	60.66	23.96	.6614	17.08	.2341	181.8	88.70	13.73	21.14
#1	.0006	.0042	.0016	.0165	-.0001	53.23	.0000	.0000	.0003	.0003
#2	.0004	.0196	.0010	.0166	-.0001	53.00	.0000	-.0002	.0002	.0004
#3	.0004	.0158	.0014	.0167	-.0001	53.05	.0000	-.0003	.0003	.0003
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.9545	4.483	.4432	.0261	.0032	3.615	-.0001	.0272	-.0002	.0015
Stddev	.0019	.038	.0252	.0001	.0002	.004	.0001	.0008	.0006	.0010
%RSD	.2029	.8496	5.682	.3170	5.585	.1250	98.88	2.963	240.9	65.90
#1	.9567	4.522	.4236	.0262	.0033	3.611	-.0001	.0275	.0000	.0011
#2	.9537	4.446	.4344	.0260	.0033	3.620	-.0002	.0263	.0002	.0026
#3	.9532	4.480	.4716	.0260	.0030	3.614	.0000	.0279	-.0009	.0008
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	1.268	.0001	.0859	.0013	.0016	.0008	.0081			
Stddev	.002	.0000	.0001	.0001	.0006	.0003	.0000			
%RSD	.1363	43.87	.0769	3.847	36.73	31.73	.2958			
#1	1.268	.0001	.0859	.0014	.0023	.0005	.0082			
#2	1.266	.0001	.0860	.0013	.0015	.0009	.0081			
#3	1.270	.0001	.0858	.0013	.0011	.0010	.0082			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2844.5	6731.7	56207.	6760.5						
Stddev	2.9	2.4	245.	35.2						
%RSD	.10034	.03560	.43543	.52017						
#1	2843.0	6730.6	55925.	6782.9						
#2	2842.8	6730.1	56365.	6778.7						
#3	2847.8	6734.5	56330.	6720.0						

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Sample Name: MP30077-D1 Acquired: 3/8/2016 12:33:28 Type: Unk
Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0005	.0113	.0011	.0164	-.0001	52.47	.0000	-.0002	.0006	.0007
Stddev	.0001	.0072	.0002	.0001	.0000	.07	.0000	.0000	.0004	.0003
%RSD	27.94	64.27	21.73	.8344	44.14	.1421	5433.	9.891	62.04	36.92
#1	.0004	.0069	.0010	.0165	.0000	52.51	.0000	-.0002	.0005	.0009
#2	.0005	.0072	.0009	.0163	-.0001	52.39	.0000	-.0002	.0003	.0008
#3	.0006	.0196	.0014	.0164	-.0001	52.52	.0000	-.0002	.0010	.0004
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.9441	4.439	.4476	.0262	.0028	3.591	-.0001	.0269	-.0002	.0006
Stddev	.0077	.014	.0078	.0000	.0001	.008	.0001	.0007	.0004	.0008
%RSD	.8117	.3204	1.750	.1479	2.404	.2268	52.90	2.497	233.4	130.0
#1	.9442	4.433	.4566	.0262	.0028	3.587	-.0001	.0261	-.0007	.0002
#2	.9363	4.429	.4423	.0262	.0029	3.585	.0000	.0273	.0001	.0014
#3	.9516	4.455	.4439	.0261	.0028	3.600	-.0002	.0272	.0000	.0001
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	1.259	.0000	.0852	.0011	.0010	.0006	.0082			
Stddev	.003	.000	.0003	.0000	.0004	.0001	.0001			
%RSD	.2371	209.5	.3506	3.268	41.54	11.79	1.367			
#1	1.256	-.0001	.0854	.0011	.0009	.0005	.0082			
#2	1.260	.0000	.0848	.0011	.0006	.0006	.0082			
#3	1.262	.0000	.0853	.0011	.0014	.0007	.0084			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2847.1	6749.0	56308.	6835.8						
Stddev	3.1	10.7	157.	57.2						
%RSD	.10841	.15873	.27855	.83712						
#1	2843.6	6753.8	56319.	6901.3						
#2	2848.7	6756.5	56147.	6795.2						
#3	2849.1	6736.8	56460.	6811.1						

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Sample Name: MP30077-SD1 Acquired: 3/8/2016 12:37:34 Type: Unk
Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0018	.0169	.0044	.0161	-.0007	52.65	-.0002	-.0002	.0001	-.0010
Stddev	.0025	.0581	.0028	.0008	.0005	.34	.0002	.0004	.0011	.0009
%RSD	140.8	344.5	64.42	4.769	74.86	.6509	130.5	212.0	1309.	97.86
#1	.0037	.0808	.0015	.0152	-.0001	52.96	.0001	-.0003	-.0010	-.0018
#2	-.0010	-.0329	.0071	.0167	-.0011	52.28	-.0003	.0002	.0012	-.0011
#3	.0026	.0027	.0046	.0164	-.0008	52.70	-.0003	-.0005	.0001	.0000
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.9398	4.461	.5491	.0260	.0016	3.667	-.0006	.0231	-.0017	.0018
Stddev	.0045	.167	.0757	.0003	.0004	.009	.0003	.0019	.0068	.0067
%RSD	.4827	3.750	13.79	1.206	23.77	.2507	45.81	8.085	394.7	363.7
#1	.9432	4.475	.6296	.0263	.0013	3.672	-.0009	.0253	-.0016	.0088
#2	.9347	4.288	.4792	.0260	.0015	3.673	-.0007	.0220	.0050	-.0045
#3	.9415	4.622	.5386	.0256	.0020	3.657	-.0003	.0221	-.0085	.0012
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	1.258	.0000	.0845	.0021	.0040	.0009	.0303			
Stddev	.003	.001	.0001	.0002	.0037	.0011	.0001			
%RSD	.1999	2660.	.1734	8.730	90.83	121.0	.1948			
#1	1.260	.0007	.0847	.0021	.0075	.0002	.0304			
#2	1.257	.0005	.0844	.0024	.0002	.0023	.0303			
#3	1.255	-.0012	.0845	.0020	.0043	.0004	.0303			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2962.8	6859.3	57048.	6813.2						
Stddev	2.3	2.4	244.	85.2						
%RSD	.07847	.03547	.42800	1.2507						
#1	2964.5	6861.2	57302.	6732.6						
#2	2960.1	6860.2	56815.	6902.4						
#3	2963.8	6856.6	57027.	6804.7						

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Sample Name: MP30077-PS1 Acquired: 3/8/2016 12:41:42 Type: Unk
Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0451	2.647	.1054	.2840	.0529	57.15	.0522	.0521	.0533	.1067
Stddev	.0002	.022	.0003	.0003	.0001	.13	.0001	.0002	.0000	.0003
%RSD	.5044	.8294	.3315	.1188	.2470	.2334	.2474	.3234	.0915	.2436
#1	.0453	2.634	.1056	.2840	.0528	57.03	.0523	.0523	.0533	.1067
#2	.0448	2.672	.1056	.2844	.0530	57.29	.0521	.0519	.0534	.1070
#3	.0451	2.633	.1050	.2837	.0530	57.12	.0522	.0521	.0534	.1065
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	4.089	14.65	5.505	.0792	.1040	13.78	.1046	.0759	.1078	.1020
Stddev	.008	.04	.017	.0002	.0002	.01	.0000	.0001	.0006	.0006
%RSD	.1997	.2953	.3010	.2379	.2018	.0760	.0305	.1749	.5790	.6146
#1	4.081	14.60	5.500	.0790	.1039	13.78	.1046	.0758	.1071	.1024
#2	4.097	14.68	5.491	.0794	.1038	13.79	.1046	.0760	.1079	.1022
#3	4.090	14.67	5.523	.0791	.1042	13.77	.1046	.0760	.1083	.1012
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_36				

Sample Name: MP30077-S1 Acquired: 3/8/2016 12:45:44 Type: Unk
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Avg	.0508	29.90	2.086	2.193	.0565	79.82	.0527	5.218	2.131	2.731
Stddev	.0004	.11	.001	.008	.0002	.44	.0001	.0007	.0006	.0006
%RSD	8176	3607	.0601	3504	3193	5502	2345	1304	2862	2018
#1	.0505	30.01	2.086	2.199	.0566	80.23	.0528	5.222	2.131	2.725
#2	.0505	29.79	2.085	2.184	.0563	79.35	.0525	5.211	2.137	2.734
#3	.0512	29.90	2.088	2.196	.0567	79.87	.0527	5.223	2.125	2.735
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	29.81	32.33	27.51	5.717	5.365	31.22	5.327	5.434	5.250	2.095
Stddev	.11	.13	.12	.0013	.0015	.10	.0009	.0019	.0017	.004
%RSD	.3742	.4133	.4524	.2265	.2791	.3218	.1717	.3571	.3152	.1785
#1	29.91	32.47	27.64	5.724	5.368	31.31	5.331	5.418	5.265	2.098
#2	29.69	32.21	27.40	5.724	5.349	31.11	5.316	5.427	5.232	2.091
#3	29.84	32.30	27.49	5.702	5.378	31.23	5.333	5.455	5.254	2.096
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	1.255	.5488	.6286	.5469	2.079	.5024	.5393			
Stddev	.005	.0008	.0027	.0004	.008	.0006	.0015			
%RSD	.4105	.1393	.4275	.0715	.3742	.1199	.2716			
#1	1.256	.5489	.6312	.5467	2.076	.5027	.5404			
#2	1.249	.5479	.6258	.5474	2.072	.5028	.5376			
#3	1.260	.5494	.6287	.5466	2.087	.5017	.5398			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2621.3	6608.7	5489.8	6581.7						
Stddev	2.2	14.8	226.	72.9						
%RSD	.08462	.22355	.41232	1.1076						
#1	2623.6	6598.7	5491.8	6506.0						
#2	2621.0	6625.7	5466.3	6651.4						
#3	2619.2	6601.7	5511.4	6587.8						

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Sample Name: MP30077-S2 Acquired: 3/8/2016 12:49:41 Type: Unk
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Avg	.0505	29.35	2.081	2.166	.0552	78.14	.0524	5.192	2.103	2.697
Stddev	.0003	.14	.008	.011	.0003	.37	.0002	.0018	.0016	.0005
%RSD	5350	4640	4006	4958	6205	4774	4178	3498	7396	1702
#1	.0506	29.42	2.071	2.174	.0552	78.29	.0521	5.171	2.106	2.696
#2	.0507	29.20	2.084	2.154	.0549	77.71	.0525	5.197	2.117	2.694
#3	.0502	29.44	2.087	2.171	.0555	78.42	.0525	5.206	2.106	2.703
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	29.38	31.67	27.14	5.665	5.424	30.63	5.297	5.404	5.254	2.093
Stddev	.15	.20	.09	.0021	.0025	.13	.0021	.0010	.0016	.007
%RSD	.5174	.6191	.3149	.3674	.4550	.4256	.4048	.1774	.3136	.3161
#1	29.44	31.76	27.14	5.644	5.396	30.69	5.273	5.397	5.252	2.086
#2	29.21	31.44	27.05	5.685	5.431	30.48	5.307	5.415	5.239	2.093
#3	29.49	31.80	27.22	5.666	5.444	30.71	5.312	5.400	5.272	2.099
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	1.244	.5562	.6311	.5534	2.074	.4971	.5342			
Stddev	.004	.0014	.0036	.0015	.001	.0012	.0022			
%RSD	.3507	.2578	.5727	.2756	.0588	.2503	.4206			
#1	1.240	.5546	.6336	.5518	2.073	.4961	.5317			
#2	1.244	.5565	.6270	.5547	2.076	.4985	.5353			
#3	1.248	.5574	.6327	.5538	2.074	.4968	.5357			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2636.6	6666.2	5556.0	6828.1						
Stddev	3.6	17.5	420.	43.0						
%RSD	.13473	.26205	.75608	.63046						
#1	2640.3	6686.1	5603.4	6859.5						
#2	2633.1	6658.5	5523.4	6845.9						
#3	2636.5	6653.8	5541.3	6779.1						

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Sample Name: FA31958-4 Acquired: 3/8/2016 12:53:38 Type: Unk
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0001	.0434	.0023	.0198	-.0001	45.72	.0000	.0004	.0281
Stddev	.0002	.0074	.0008	.0002	.0000	.24	.000	.0001	.0005
%RSD	149.6	17.04	33.97	.7806	28.38	5.265	267.0	12.66	1.792
#1	.0000	.0386	.0016	.0197	-.0001	45.45	.0000	.0005	.0279
#2	.0001	.0396	.0031	.0200	-.0001	45.79	.0000	.0004	.0287
#3	.0003	.0519	.0022	.0198	-.0001	45.92	.0000	.0005	.0278
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0015	.9451	18.24	4.106	.1993	.0470	85.82	.0007	.0005
Stddev	.0001	.0027	.09	.024	.0005	.0001	1.15	.0001	.0006
%RSD	7.463	.2870	.4685	.5946	.2289	.1974	1.336	10.18	120.3
#1	.0015	.9467	18.15	4.079	.1992	.0471	85.50	.0006	-.0001
#2	.0016	.9419	18.25	4.111	.1998	.0471	87.09	.0007	.0005
#3	.0014	.9466	18.32	4.128	.1989	.0469	84.87	.0008	.0010
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0015	.0060	1.776	.0038	.2133	.0015	.0011	.0011	.0128
Stddev	.0007	.0008	.002	.0003	.0008	.0001	.0002	.0002	.0000
%RSD	45.17	13.83	.0995	9.050	.3520	9.079	22.82	15.80	3558
#1	.0021	.0060	1.777	.0035	.2127	.0015	.0009	.0010	.0128
#2	.0008	.0069	1.775	.0042	.2130	.0017	.0009	.0013	.0128
#3	.0017	.0052	1.774	.0038	.2141	.0014	.0010	.0010	.0128
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2683.5	6544.7	5470.3	6844.6					
Stddev	4.9	1.7	161.	25.7					
%RSD	.18105	.02648	.29522	.37488					
#1	2678.1	6546.5	5453.6	6873.6					
#2	2687.4	6543.1	5471.5	6835.4					
#3	2685.0	6544.5	5485.8	6824.8					

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Sample Name: FA31934-1 Acquired: 3/8/2016 12:57:48 Type: Unk
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Avg	.0004	10.09	.0331	.0998	.0000	95.37	.0000	.0009	.0290	.0226
Stddev	.0003	.03	.0006	.0002	.0000	.25	.0000	.0001	.0001	.0003
%RSD	73.63	2.730	1.845	2.445	96.40	2.614	100.1	8.216	3.829	1.243
#1	.0008	10.08	.0324	.0996	.0000	95.21	.0000	.0010	.0291	.0224
#2	.0003	10.12	.0332	.1001	.0000	95.66	.0000	.0009	.0289	.0226
#3	.0002	10.07	.0336	.0997	.0001	95.24	.0001	.0010	.0291	.0229
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	61.11	4.893	134.9	.4446	.0175	79.04	.0052	.0802	.0014	.0090
Stddev	.06	.025	.4	.0013	.0001	.05	.0001	.0015	.0005	.0009
%RSD	.0977	.5206	.2850	.2846	.8504	.0658	1.297	1.845	38.96	10.19
#1	61.06	4.887	134.6	.4453	.0174	79.02	.0052	.0806	.0008	.0084
#2	61.18	4.871	135.3	.4454	.0174	79.10	.0052	.0786	.0019	.0101
#3	61.09	4.921	134.7	.4432	.0177	79.01	.			

Sample Name: CCV Acquired: 3/8/2016 13:01:50 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2512	42.15	2.077	2.088	2.142	42.30	2.068	2.071	2.057	2.080
Stddev	.0004	.23	.003	.006	.006	.20	.001	.001	.006	.004
%RSD	.1428	.5367	.1606	.3059	.2715	.4837	.0537	.0625	.2850	.1699
#1	.2510	42.06	2.073	2.082	2.140	42.29	2.069	2.070	2.064	2.076
#2	.2509	41.99	2.079	2.087	2.138	42.10	2.067	2.070	2.053	2.080
#3	.2516	42.41	2.079	2.095	2.149	42.51	2.069	2.072	2.055	2.083

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	41.58	42.57	41.02	2.093	2.137	41.93	2.107	2.046	2.077	2.079
Stddev	.03	.10	.10	.005	.005	.04	.001	.002	.004	.002
%RSD	.0666	.2358	.2359	.2203	.2558	.1035	.0604	.1088	.1892	.1019
#1	41.55	42.55	41.13	2.098	2.132	41.94	2.107	2.044	2.081	2.077
#2	41.61	42.49	40.99	2.092	2.137	41.97	2.106	2.047	2.073	2.078
#3	41.58	42.68	40.94	2.089	2.143	41.88	2.108	2.048	2.078	2.081

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.490	2.107	2.117	2.114	2.066	2.086	2.130
Stddev	.001	.002	.009	.001	.006	.003	.004
%RSD	.0734	.0999	.4229	.0493	.2814	.1423	.1660
#1	1.489	2.108	2.124	2.114	2.060	2.089	2.133
#2	1.491	2.104	2.107	2.114	2.071	2.083	2.126
#3	1.489	2.107	2.118	2.112	2.067	2.085	2.132

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/8/2016 13:01:50 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2544.1	6418.4	5435.3	6588.6
Stddev	1.3	9.3	297.	36.2
%RSD	.05081	.14509	.54563	.54947
#1	2545.5	6414.4	5404.1	6549.7
#2	2543.9	6429.0	5438.7	6594.7
#3	2543.0	6411.7	5463.1	6621.3

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	41.58	42.57	41.02	2.093	2.137	41.93	2.107	2.046	2.077	2.079
Stddev	.03	.10	.10	.005	.005	.04	.001	.002	.004	.002
%RSD	.0666	.2358	.2359	.2203	.2558	.1035	.0604	.1088	.1892	.1019
#1	41.55	42.55	41.13	2.098	2.132	41.94	2.107	2.044	2.081	2.077
#2	41.61	42.49	40.99	2.092	2.137	41.97	2.106	2.047	2.073	2.078
#3	41.58	42.68	40.94	2.089	2.143	41.88	2.108	2.048	2.078	2.081

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.490	2.107	2.117	2.114	2.066	2.086	2.130
Stddev	.001	.002	.009	.001	.006	.003	.004
%RSD	.0734	.0999	.4229	.0493	.2814	.1423	.1660
#1	1.489	2.108	2.124	2.114	2.060	2.089	2.133
#2	1.491	2.104	2.107	2.114	2.071	2.083	2.126
#3	1.489	2.107	2.118	2.112	2.067	2.085	2.132

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 3/8/2016 13:05:56 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0005	.0011	.0001	.0000	.0006	.0000	-0.0001	-0.0001
Stddev	.0004	.0084	.0009	.0001	.0000	.0019	.000	.0001	.0001
%RSD	367.2	1548.	81.04	76.13	784.2	300.9	1504.	50.73	60.67
#1	.0000	-.0027	.0008	.0001	.0001	.0013	.0000	.0000	-0.0001
#2	.0005	-.0058	.0022	.0002	.0000	.0021	.0000	-0.0001	.0000
#3	-.0002	.0101	.0004	.0000	.0000	-.0015	.0000	-0.0001	-0.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	.0271	-.0073	.0181	.0000	F.0023	.0272	.0000	-0.0009
Stddev	.0002	.0044	.0312	.0127	.0000	.0006	.0048	.0000	.0001
%RSD	85.59	16.18	424.3	70.48	110.5	25.29	17.81	520.7	14.67
#1	-.0001	.0310	.0170	.0220	.0000	.0029	.0293	.0001	-.0011
#2	-.0002	.0279	-.0425	.0284	.0001	.0023	.0216	.0000	-.0008
#3	-.0005	.0224	.0034	.0038	.0000	.0018	.0305	.0000	-0.0009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	.0009	.0024	.0002	.0000	.0011	.0011	.0001	-.0002
Stddev	.0008	.0015	.0001	.0000	.000	.0001	.0001	.0001	.0000
%RSD	273.9	171.2	4.939	18.71	69.46	6.334	9.731	194.6	14.85
#1	.0005	.0001	.0023	.0002	-.0001	.0012	.0012	.0000	-.0002
#2	-.0002	-.0001	.0023	.0003	-.0001	.0011	.0010	.0002	-.0002
#3	-.0011	.0026	.0025	.0002	.0000	.0011	.0012	.0000	-0.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/8/2016 13:05:56 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2999.2	6812.5	5708.7	6720.3
Stddev	11.0	7.5	171.	52.8
%RSD	.36779	.11032	.29970	.78575
#1	3011.4	6821.1	5724.1	6667.7
#2	2990.0	6808.2	5690.3	6719.9
#3	2996.1	6808.1	5711.7	6773.3

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	.0271	-.0073	.0181	.0000	F.0023	.0272	.0000	-0.0009
Stddev	.0002	.0044	.0312	.0127	.0000	.0006	.0048	.0000	.0001
%RSD	85.59	16.18	424.3	70.48	110.5	25.29	17.81	520.7	14.67
#1	-.0001	.0310	.0170	.0220	.0000	.0029	.0293	.0001	-.0011
#2	-.0002	.0279	-.0425	.0284	.0001	.0023	.0216	.0000	-.0008
#3	-.0005	.0224	.0034	.0038	.0000	.0018	.0305	.0000	-0.0009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	.0009	.0024	.0002	.0000	.0011	.0011	.0001	-.0002
Stddev	.0008	.0015	.0001	.0000	.000	.0001	.0001	.0001	.0000
%RSD	273.9	171.2	4.939	18.71	69.46	6.334	9.731	194.6	14.85
#1	.0005	.0001	.0023	.0002	-.0001	.0012	.0012	.0000	-.0002
#2	-.0002	-.0001	.0023	.0003	-.0001	.0011	.0010	.0002	-.0002
#3	-.0011	.0026	.0025	.0002	.0000	.0011	.0012	.0000	-0.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: FA31934-5 Acquired: 3/8/2016 13:10:06 Type: Unk
Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA31934-8 Acquired: 3/8/2016 13:14:10 Type: Unk
Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA31934-9 Acquired: 3/8/2016 13:18:23 Type: Unk
Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA31934-13 Acquired: 3/8/2016 13:22:28 Type: Unk
Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA31934-14 Acquired: 3/8/2016 13:26:32 Type: Unk
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	5.053	.0264	.0863	.0000	96.05	.0000	.0003	.0144
Stddev	.0003	.019	.0013	.0001	.000	.60	.000	.0000	.0003
%RSD	702.7	.3772	4.908	.1487	207.3	.6260	83.66	14.67	1.797
#1	-.0002	5.072	.0273	.0865	.0000	96.74	.0000	.0003	.0146
#2	.0003	5.051	.0271	.0863	.0000	95.77	-.0001	.0003	.0146
#3	.0000	5.034	.0249	.0862	-.0001	95.64	.0000	.0003	.0141
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0108	42.04	4.493	120.2	.4307	.0094	82.04	.0036	.0436
Stddev	.0003	.14	.010	.5	.0007	.0002	.41	.0000	.0006
%RSD	2.684	.3445	.2238	.4075	.1523	1.784	.5022	1.356	1.443
#1	.0105	42.20	4.497	120.8	.4312	.0094	82.51	.0035	.0429
#2	.0107	41.96	4.481	120.1	.4310	.0095	81.85	.0036	.0439
#3	.0111	41.95	4.500	119.8	.4300	.0092	81.75	.0036	.0441
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0011	.0082	2.386	.0034	.2335	.0221	-.0003	.0172	.0571
Stddev	.0012	.0003	.001	.0001	.0005	.0001	.0002	.0001	.0001
%RSD	112.3	3.952	.0263	2.717	.2062	.4693	78.46	.5282	.2584
#1	.0020	.0082	2.386	.0035	.2340	.0221	-.0001	.0172	.0570
#2	.0016	.0085	2.385	.0034	.2331	.0220	-.0006	.0173	.0573
#3	-.0003	.0079	2.386	.0034	.2334	.0221	-.0002	.0172	.0570
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2559.8	6346.7	53103.	6555.8					
Stddev	1.9	3.7	176.	67.6					
%RSD	.07244	.05889	.33229	1.0317					
#1	2561.9	6344.9	52908.	6478.0					
#2	2558.6	6344.1	53148.	6588.9					
#3	2558.8	6351.0	53252.	6600.5					

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Sample Name: FA31807-1 Acquired: 3/8/2016 13:30:35 Type: Unk
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0005	.3182	.0000	.0109	-.0001	9.994	.0000	.0001	.0014	.0052
Stddev	.0002	.0166	.000	.0003	.0000	.058	.0000	.0001	.0001	.0002
%RSD	36.25	5.222	599.4	2.671	26.55	5793	69.49	40.52	5.817	4.343
#1	.0005	.3201	-.0003	.0111	-.0001	10.05	.0000	.0001	.0014	.0054
#2	.0005	.3253	.0000	.0111	-.0001	10.01	.0000	.0001	.0015	.0050
#3	.0003	.2992	.0002	.0106	-.0001	9.931	.0000	.0002	.0014	.0052
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4343	.4210	.6800	.0137	.0005	4.139	.0069	.0133	.0007	.0007
Stddev	.0127	.0212	.0134	.0000	.0001	.013	.0001	.0003	.0005	.0006
%RSD	2.933	5.028	1.969	.2564	19.68	.3239	2.074	2.275	67.68	83.31
#1	.4458	.4228	.6870	.0138	.0006	4.154	.0068	.0132	.0014	.0014
#2	.4364	.4413	.6646	.0137	.0005	4.130	.0067	.0137	.0004	.0004
#3	.4206	.3990	.6885	.0137	.0004	4.132	.0070	.0131	.0005	.0004
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	.3158	.0002	.0191	.0152	-.0006	.0195	.2348			
Stddev	.0065	.0001	.0001	.0029	.0002	.0001	.0006			
%RSD	2.054	27.29	.7280	19.11	41.66	.5456	.2536			
#1	.3197	.0002	.0193	.0176	-.0003	.0194	.2341			
#2	.3193	.0002	.0190	.0159	-.0008	.0195	.2351			
#3	.3083	.0003	.0191	.0120	-.0007	.0196	.2352			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2933.9	6767.5	56975.	6807.3						
Stddev	9.7	3.8	241.	48.6						
%RSD	.33086	.05671	.42266	.71335						
#1	2944.7	6771.3	57106.	6757.8						
#2	2925.7	6763.6	56697.	6854.9						
#3	2931.4	6767.5	57121.	6809.2						

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Sample Name: FA31807-2 Acquired: 3/8/2016 13:34:42 Type: Unk
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0001	.4204	-.0001	.0119	-.0001	11.60	.0000	.0002	.0018	.0061
Stddev	.0003	.0080	.0002	.0002	.0000	.10	.0000	.0001	.0000	.0003
%RSD	228.9	1.893	132.4	1.490	42.26	.8828	109.0	37.99	1.679	4.434
#1	.0005	.4282	.0000	.0121	.0000	11.71	.0000	.0002	.0019	.0058
#2	-.0002	.4123	-.0004	.0118	-.0001	11.54	.0000	.0001	.0018	.0061
#3	.0001	.4208	-.0001	.0118	-.0001	11.54	.0000	.0002	.0018	.0063
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.5997	.5377	.8138	.0178	.0004	4.927	.0090	.0016	.0001	.0010
Stddev	.0087	.0074	.0016	.0000	.0001	.013	.0001	.0004	.0007	.0007
%RSD	1.447	1.379	.1951	.1804	21.01	.2680	1.623	22.62	468.6	78.27
#1	.6097	.5348	.8121	.0178	.0003	4.942	.0088	.0013	-.0003	.0018
#2	.5946	.5461	.8153	.0178	.0005	4.918	.0090	.0016	-.0002	.0007
#3	.5947	.5321	.8139	.0178	.0003	4.920	.0091	.0020	.0010	.0004
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	.4320	.0001	.0233	.0160	-.0003	.0249	.1889			
Stddev	.0034	.0001	.0002	.0005	.0001	.0001	.0003			
%RSD	.7954	81.53	.7528	3.116	22.19	.3100	.1770			
#1	.4344	.0001	.0235	.0165	-.0003	.0250	.1885			
#2	.4336	.0001	.0231	.0161	-.0002	.0248	.1889			
#3	.4281	.0000	.0232	.0155	-.0003	.0249	.1892			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2951.5	6759.9	57288.	6761.8						
Stddev	7.2	6.9	19.	60.4						
%RSD	.24486	.10281	.03314	.89253						
#1	2943.2	6761.5	57301.	6712.6						
#2	2955.1	6752.3	57266.	6743.6						
#3	2956.2	6765.9	57295.	6829.2						

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Sample Name: FA31807-3 Acquired: 3/8/2016 13:38:48 Type: Unk
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0004	.2957	.0005	.0125	-.0001	10.25	.0000	.0002	.0017	.0163
Stddev	.0001	.0076	.0004	.0002	.0001	.01	.000	.0000	.0003	.0003
%RSD	18.57	2.582	76.71	1.446	81.52	1.292	475.9	12.95	20.09	1.695
#1	.0003	.3046	.0009	.0126	-.0001	10.26	.0000	.0002	.0014	.0160
#2	.0003	.2914	.0005	.0124	.0000	10.24	.0000	.0002	.0020	.0165
#3	.0004	.2913	.0001	.0123	-.0001	10.24	.0000	.0002	.0016	.0165
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.4982	.5904	.7402	.0187	.0003	4.284	.0061	.0008	.0003	.0010
Stddev	.0039	.0285	.0064	.0001	.0001	.007	.0001	.0005	.0007	.0008
%RSD	.7787	4.820	.8648	.7209	28.65	.1743	2.219	72.53	219.6	80.92
#1	.5020	.6107	.7346	.0189	.0002	4.293	.0060	.0009	.0007	.0015
#2	.4983	.6027	.7472	.0186	.0004	4.278	.0060	.0012	.0009	.0001
#3	.4942	.5579	.7389	.0187	.0004	4.281	.0062	.0002	-.0005	.0015
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908					

Sample Name: FA31807-4 Acquired: 3/8/2016 13:42:53 Type: Unk
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0008	.4244	.0004	.0111	-.0001	10.50	.0000	.0002	.0077	.0196
Stddev	.0003	.0092	.0002	.0002	.0001	.03	.000	.0001	.0003	.0003
%RSD	40.88	2.158	36.00	1.967	79.44	2.388	15.73	45.82	3.380	1.288
#1	.0007	.4306	.0005	.0109	-.0001	10.48	.0000	.0001	.0077	.0194
#2	.0005	.4287	.0003	.0113	-.0001	10.48	.0000	.0002	.0079	.0195
#3	.0011	.4138	.0005	.0111	.0000	10.53	.0000	.0003	.0074	.0199
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	2.452	.7624	1.063	.0929	.0011	5.001	.0139	.0008	-.0001	.0004
Stddev	.013	.0249	.012	.0006	.0001	.022	.0002	.0005	.0004	.0020
%RSD	.5315	3.265	1.105	.6757	9.386	4.503	1.275	70.30	643.2	529.3
#1	2.453	.7359	1.065	.0924	.0010	5.026	.0139	.0003	-.0003	-.0012
#2	2.464	.7660	1.073	.0936	.0012	4.997	.0141	.0006	-.0002	.0026
#3	2.438	.7853	1.050	.0928	.0010	4.982	.0137	.0014	.0004	-.0003
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)			
Avg	.5037	.0009	.0234	.0216	-.0003	.0225	.1023			
Stddev	.0026	.0003	.0000	.0033	.0002	.0002	.0001			
%RSD	.5244	32.64	.1685	15.22	67.87	1.063	.0706			
#1	.5047	.0005	.0234	.0253	-.0001	.0228	.1023			
#2	.5057	.0010	.0234	.0202	-.0004	.0223	.1022			
#3	.5007	.0010	.0233	.0191	-.0004	.0225	.1022			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2926.5	6631.3	56395.	6588.6						
Stddev	5.0	8.8	404.	25.2						
%RSD	.17090	.13223	.71624	.38275						
#1	2921.1	6621.1	56859.	6610.0						
#2	2927.2	6636.0	56117.	6595.1						
#3	2931.1	6636.6	56211.	6560.8						

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Sample Name: FA31807-5 Acquired: 3/8/2016 13:46:58 Type: Unk
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0002	.2829	.0004	.0065	.0000	5.618	.0000	.0000	.0011	.0061
Stddev	.0002	.0154	.0008	.0001	.000	.022	.000	.0001	.0003	.0002
%RSD	89.86	5.427	190.4	1.058	64.48	3.967	164.6	2648.	30.58	3.738
#1	.0002	.2681	.0011	.0066	.0000	5.601	.0000	.0000	.0010	.0060
#2	.0000	.2988	-.0004	.0064	.0000	5.610	.0000	.0001	.0008	.0061
#3	.0004	.2820	.0006	.0065	.0000	5.643	.0000	-.0001	.0015	.0064
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.2888	.7104	.7478	.0140	.0001	4.711	.0106	.0010	.0004	.0003
Stddev	.0062	.0108	.0138	.0001	.0001	.001	.0003	.0005	.0002	.0004
%RSD	2.150	1.518	1.849	.8128	52.33	.0216	3.192	50.27	50.93	113.0
#1	.2849	.7108	.7403	.0140	.0001	4.712	.0102	.0016	.0002	.0007
#2	.2960	.7209	.7393	.0141	.0000	4.710	.0109	.0005	.0004	.0001
#3	.2856	.6994	.7637	.0139	.0001	4.711	.0105	.0011	.0006	.0001
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	.2210	.0004	.0107	.0079	-.0001	.0015	.1656			
Stddev	.0036	.0002	.0000	.0004	.0002	.0002	.0004			
%RSD	1.616	62.67	.3630	5.360	133.6	11.81	.2120			
#1	.2205	.0005	.0108	.0084	.0001	.0018	.1652			
#2	.2247	.0004	.0107	.0076	-.0002	.0014	.1655			
#3	.2176	.0001	.0107	.0078	-.0002	.0015	.1659			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2934.6	6670.9	56277.	6646.2						
Stddev	7.1	5.2	405.	16.6						
%RSD	.24239	.07852	.71934	.24967						
#1	2940.9	6668.0	56085.	6629.7						
#2	2936.0	6667.7	56004.	6662.9						
#3	2926.9	6676.9	56742.	6645.9						

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Sample Name: CCV Acquired: 3/8/2016 13:51:05 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2550	41.61	2.142	2.094	2.156	41.77	2.103	2.106	2.065
Stddev	.0010	.17	.003	.012	.015	.20	.003	.002	.010
%RSD	.4033	.4061	.1467	.5570	.6732	.4888	.1460	.1158	.4802
#1	.2551	41.45	2.141	2.084	2.143	41.64	2.100	2.104	2.064
#2	.2559	41.58	2.140	2.091	2.155	41.67	2.104	2.105	2.075
#3	.2539	41.79	2.146	2.107	2.172	42.01	2.106	2.108	2.055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.113	42.29	42.89	41.70	2.141	F2.222	43.19	2.178	2.100
Stddev	.009	.24	.24	.26	.010	.006	.23	.003	.006
%RSD	.4256	.5658	.5556	.6302	.4775	.2815	.5211	.1126	.2814
#1	2.116	42.06	42.70	41.49	2.143	2.216	42.98	2.176	2.095
#2	2.121	42.28	42.81	41.63	2.150	2.221	43.17	2.177	2.098
#3	2.103	42.53	43.15	42.00	2.130	2.228	43.43	2.181	2.106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value						2.000			
Range						10.00%			
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.156	2.157	1.545	2.154	2.169	2.173	2.115	2.106	F2.223
Stddev	.006	.006	.002	.002	.020	.008	.004	.009	.006
%RSD	.2744	.2842	.1142	.0793	.9244	.3613	.1903	.4071	.2824
#1	2.161	2.164	1.546	2.152	2.181	2.176	2.117	2.104	2.216
#2	2.150	2.152	1.543	2.155	2.146	2.180	2.111	2.115	2.224
#3	2.158	2.155	1.545	2.155	2.181	2.165	2.119	2.098	2.228
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value									2.000
Range									10.00%

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Sample Name: CCV Acquired: 3/8/2016 13:51:05 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2521.4	6259.0	53605.	6585.2
Stddev	11.6	22.2	193.	31.1
%RSD	.46198	.35394	.36085	.47301
#1	2531.7	6280.5	53498.	6574.2
#2	2523.7	6260.2	53489.	6620.3
#3	2508.8	6236.2	53828.	6561.0

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Sample Name: CCB Acquired: 3/8/2016 13:56:11 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	-0.085	-0.003	.001	.000	-0.009	.000	-0.001	.000
Stddev	.0002	.0075	.0002	.0001	.0001	.0009	.000	.0000	.000
%RSD	164.6	87.54	72.57	59.22	238.5	94.06	396.1	16.73	64.56
#1	.0001	-.0005	-.0005	.0001	.0000	-.0011	.0000	-.0001	-.0001
#2	-.0003	-.0153	-.0001	.0001	.0001	-.0017	-.0001	-.0001	.0000
#3	-.0003	-.0099	-.0005	.0000	.0000	.0000	.0000	-.0001	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	.0188	.0053	.0094	.0000	F.0012	.0199	.0000	-.0004
Stddev	.0001	.0022	.0152	.0094	.0000	.0003	.0091	.0001	.0013
%RSD	16.50	11.86	286.3	99.80	170.4	21.38	45.81	109.2	300.6
#1	-.0006	.0213	-.0088	.0013	.0000	.0015	.0300	.0001	.0009
#2	-.0005	.0172	.0215	.0072	.0000	.0012	.0122	.0000	-.0006
#3	-.0004	.0178	.0033	.0197	.0000	.0010	.0175	.0000	-.0016

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0004	.0032	.0003	-.0001	.0007	.0005	.0001	-.0002
Stddev	.0008	.0014	.0006	.0001	.0001	.0001	.0006	.0001	.0000
%RSD	992.1	358.8	18.52	25.34	96.49	20.39	118.6	124.3	22.04
#1	.0010	.0012	.0038	.0003	-.0002	.0008	.0002	.0001	-.0002
#2	-.0006	.0012	.0032	.0002	-.0001	.0006	.0002	.0001	-.0001
#3	-.0001	-.0012	.0027	.0002	.0000	.0006	.0012	.0000	-.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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Sample Name: CCB Acquired: 3/8/2016 13:56:11 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2987.7	6594.4	55765.	6589.6
Stddev	9.0	21.8	176.	66.4
%RSD	.30108	.33017	.31541	1.0070
#1	2990.8	6617.0	55967.	6662.2
#2	2977.6	6573.6	55678.	6574.3
#3	2994.8	6592.5	55649.	6532.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	.0188	.0053	.0094	.0000	F.0012	.0199	.0000	-.0004
Stddev	.0001	.0022	.0152	.0094	.0000	.0003	.0091	.0001	.0013
%RSD	16.50	11.86	286.3	99.80	170.4	21.38	45.81	109.2	300.6
#1	-.0006	.0213	-.0088	.0013	.0000	.0015	.0300	.0001	.0009
#2	-.0005	.0172	.0215	.0072	.0000	.0012	.0122	.0000	-.0006
#3	-.0004	.0178	.0033	.0197	.0000	.0010	.0175	.0000	-.0016

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0004	.0032	.0003	-.0001	.0007	.0005	.0001	-.0002
Stddev	.0008	.0014	.0006	.0001	.0001	.0001	.0006	.0001	.0000
%RSD	992.1	358.8	18.52	25.34	96.49	20.39	118.6	124.3	22.04
#1	.0010	.0012	.0038	.0003	-.0002	.0008	.0002	.0001	-.0002
#2	-.0006	.0012	.0032	.0002	-.0001	.0006	.0002	.0001	-.0001
#3	-.0001	-.0012	.0027	.0002	.0000	.0006	.0012	.0000	-.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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Sample Name: ICV Acquired: 3/8/2016 14:29:43 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2481	40.40	1.948	2.046	2.001	41.76	2.017	2.017	2.011	1.963
Stddev	.0007	.16	.004	.002	.002	.18	.002	.002	.002	.002
%RSD	.2763	.4004	.2166	.0771	.1183	.4362	.0895	.1023	.0942	.1108
#1	.2475	40.59	1.944	2.047	2.004	41.97	2.016	2.015	2.011	1.962
#2	.2488	40.31	1.949	2.045	1.999	41.67	2.016	2.016	2.013	1.965
#3	.2479	40.31	1.952	2.044	2.001	41.64	2.019	2.019	2.010	1.961

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	41.18	40.95	42.05	2.059	1.851	40.96	2.002	1.976	1.968	1.997
Stddev	.04	.07	.12	.004	.008	.05	.004	.001	.005	.008
%RSD	.1005	.1616	.2838	.2012	.4229	.1263	.1780	.0470	.2675	.4178
#1	41.21	41.02	42.16	2.054	1.843	40.98	1.999	1.975	1.962	1.991
#2	41.21	40.91	42.07	2.062	1.850	40.99	2.001	1.976	1.968	1.993
#3	41.14	40.91	41.92	2.060	1.859	40.90	2.006	1.977	1.973	2.006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0252	2.008	1.933	1.926	2.044	1.874	1.998
Stddev	.0006	.001	.002	.004	.003	.002	.003
%RSD	2.305	.0621	.0824	.2202	.1240	.1259	.1692
#1	.0248	2.007	1.932	1.922	2.041	1.872	1.996
#2	.0259	2.010	1.933	1.930	2.045	1.876	1.998
#3	.0249	2.008	1.935	1.926	2.045	1.872	2.002

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: ICV Acquired: 3/8/2016 14:29:43 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2557.5	6340.2	54103.	6625.5
Stddev	2.7	17.6	177.	31.8
%RSD	.10451	.27688	.32683	.47922
#1	2557.2	6354.6	54306.	6591.1
#2	2560.3	6345.3	53986.	6631.6
#3	2554.9	6320.6	54015.	6653.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	41.18	40.95	42.05	2.059	1.851	40.96	2.002	1.976	1.968	1.997
Stddev	.04	.07	.12	.004	.008	.05	.004	.001	.005	.008
%RSD	.1005	.1616	.2838	.2012	.4229	.1263	.1780	.0470	.2675	.4178
#1	41.21	41.02	42.16	2.054	1.843	40.98	1.999	1.975	1.962	1.991
#2	41.21	40.91	42.07	2.062	1.850	40.99	2.001	1.976	1.968	1.993
#3	41.14	40.91	41.92	2.060	1.859	40.90	2.006	1.977	1.973	2.006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0252	2.008	1.933	1.926	2.044	1.874	1.998
Stddev	.0006	.001	.002	.004	.003	.002	.003
%RSD	2.305	.0621	.0824	.2202	.1240	.1259	.1692
#1	.0248	2.007	1.932	1.922	2.041	1.872	1.996
#2	.0259	2.010	1.933	1.930	2.045	1.876	1.998
#3	.0249	2.008	1.935	1.926	2.045	1.872	2.002

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: CCV Acquired: 3/8/2016 14:35:06 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2467	40.50	1.973	1.998	1.999	41.00	2.028	2.016	2.039	1.992
Stddev	.0006	.05	.002	.005	.004	.02	.000	.001	.006	.004
%RSD	.2265	.1214	.0894	.2628	.2188	.0521	.0181	.0319	.2734	.2117
#1	2466	40.45	1.974	1.993	1.996	41.00	2.028	2.016	2.036	1.987
#2	2473	40.54	1.971	2.003	2.004	41.02	2.028	2.016	2.045	1.995
#3	2462	40.50	1.973	1.999	1.997	40.98	2.028	2.015	2.035	1.993

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.94	40.34	40.86	2.036	1.994	39.88	1.990	1.973	1.964	1.981
Stddev	.04	.05	.08	.002	.003	.02	.001	.003	.002	.001
%RSD	.1035	.1234	.2012	.0932	.1539	.0445	.0386	.1633	.1207	.0400
#1	39.93	40.33	40.96	2.035	1.990	39.87	1.990	1.973	1.965	1.981
#2	39.98	40.39	40.81	2.038	1.996	39.90	1.991	1.976	1.966	1.981
#3	39.90	40.30	40.82	2.035	1.995	39.87	1.990	1.970	1.962	1.982

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.408	2.023	2.020	2.041	1.990	2.035	1.982
Stddev	.001	.001	.018	.000	.001	.004	.001
%RSD	.0639	.0498	.8967	.0146	.0703	.1856	.0327
#1	1.409	2.022	2.021	2.041	1.989	2.031	1.983
#2	1.407	2.024	2.037	2.041	1.991	2.039	1.982
#3	1.407	2.023	2.001	2.042	1.989	2.034	1.982

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Sample Name: CCV Acquired: 3/8/2016 14:35:06 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2547.1	6341.0	53929.	6501.8
Stddev	3.6	5.4	36.	40.6
%RSD	.14058	.08512	.06633	.62422
#1	2551.2	6344.9	53945.	6462.4
#2	2545.0	6343.3	53888.	6543.5
#3	2544.9	6334.8	53954.	6499.6

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.94	40.34	40.86	2.036	1.994	39.88	1.990	1.973	1.964	1.981
Stddev	.04	.05	.08	.002	.003	.02	.001	.003	.002	.001
%RSD	.1035	.1234	.2012	.0932	.1539	.0445	.0386	.1633	.1207	.0400
#1	39.93	40.33	40.96	2.035	1.990	39.87	1.990	1.973	1.965	1.981
#2	39.98	40.39	40.81	2.038	1.996	39.90	1.991	1.976	1.966	1.981
#3	39.90	40.30	40.82	2.035	1.995	39.87	1.990	1.970	1.962	1.982

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.408	2.023	2.020	2.041	1.990	2.035	1.982
Stddev	.001	.001	.018	.000	.001	.004	.001
%RSD	.0639	.0498	.8967	.0146	.0703	.1856	.0327
#1	1.409	2.022	2.021	2.041	1.989	2.031	1.983
#2	1.407	2.024	2.037	2.041	1.991	2.039	1.982
#3	1.407	2.023	2.001	2.042	1.989	2.034	1.982

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Sample Name: CCB Acquired: 3/8/2016 14:51:35 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0059	.0009	.0000	.0002	.0024	.0001	.0001	.0001	-.0001
Stddev	.0000	.0019	.0006	.0002	.0000	.0022	.0000	.0001	.0003	.0003
%RSD	105.0	32.19	68.63	553.5	14.71	91.56	42.74	55.69	515.5	485.2
#1	.0000	.0058	.0007	.0003	.0002	.0001	.0001	.0001	-.0002	.0003
#2	.0000	.0041	.0015	-.0001	.0002	.0026	.0001	.0000	.0003	-.0003
#3	.0001	.0079	.0004	.0000	.0002	.0046	.0001	.0002	.0001	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0082	.0181	.0166	.0001	.0003	.0068	.0001	.0001	.0004	.0003
Stddev	.0033	.0129	.0111	.0000	.0001	.0047	.0001	.0007	.0004	.0006
%RSD	40.26	71.56	66.62	8.397	16.21	69.12	127.2	591.6	100.6	178.5
#1	.0119	.0307	.0283	.0001	.0003	.0014	.0001	.0003	.0004	.0000
#2	.0068	.0186	.0151	.0001	.0003	.0089	.0002	-.0006	.0000	.0000
#3	.0057	.0049	.0064	.0001	.0004	.0101	.0000	.0007	.0009	.0010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0002	.0002	.0002	.0004	.0001	.0000
Stddev	.0003	.0002	.0000	.0000	.0003	.0004	.000
%RSD	183.4	99.09	27.56	13.38	78.06	248.4	43.75
#1	-.0001	.0001	.0002	.0002	.0008	.0005	.0000
#2	.0005	.0004	.0001	.0003	.0004	-.0002	-.0001
#3	.0002	.0000	.0001	.0002	.0001	.0001	.0000

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/8/2016 14:51:35 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2984.1	6572.2	55861.	6504.0
Stddev	2.5	19.9	152.	32.6
%RSD	.08414	.30205	.27259	.50159
#1	2985.9	6589.8	55713.	6466.3
#2	2981.2	6576.0	56018.	6521.8
#3	2985.1	6550.6	55853.	6523.7

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0082	.0181	.0166	.0001	.0003	.0068	.0001	.0001	.0004	.0003
Stddev	.0033	.0129	.0111	.0000	.0001	.0047	.0001	.0007	.0004	.0006
%RSD	40.26	71.56	66.62	8.397	16.21	69.12	127.2	591.6	100.6	178.5
#1	.0119	.0307	.0283	.0001	.0003	.0014	.0001	.0003	.0004	.0000
#2	.0068	.0186	.0151	.0001	.0003	.0089	.0002	-.0006	.0000	.0000
#3	.0057	.0049	.0064	.0001	.0004	.0101	.0000	.0007	.0009	.0010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0002	.0002	.0002	.0004	.0001	.0000
Stddev	.0003	.0002	.0000	.0000	.0003	.0004	.000
%RSD	183.4	99.09	27.56	13.38	78.06	248.4	43.75
#1	-.0001	.0001	.0002	.0002	.0008	.0005	.0000
#2	.0005	.0004	.0001	.0003	.0004	-.0002	-.0001
#3	.0002	.0000	.0001	.0002	.0001	.0001	.0000

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: FA31863-10F Acquired: 3/8/2016 15:00:05 Type: Unk
Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3). Includes sub-tables for Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960 and Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062.

Sample Name: FA31863-12F Acquired: 3/8/2016 15:04:13 Type: Unk
Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3). Includes sub-tables for Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960 and Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062.

Sample Name: FA31863-13F Acquired: 3/8/2016 15:08:19 Type: Unk
Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3). Includes sub-tables for Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960 and Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062.

Sample Name: FA31863-14F Acquired: 3/8/2016 15:12:26 Type: Unk
Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3). Includes sub-tables for Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960 and Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062.

Sample Name: FA31863-16F Acquired: 3/8/2016 15:16:33 Type: Unk
Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.002	.1065	.0007	.0125	.0000	2.941	.0001	-0.001	.0003	.0003
Stddev	.0003	.0092	.0001	.0002	.0000	.006	.0000	.0001	.0002	.0002
%RSD	182.8	8.645	14.66	1.678	1859.	.2073	58.59	84.63	51.76	52.53
#1	-.0003	.1097	.0006	.0127	.0001	2.947	.0001	-0.001	.0004	.0001
#2	-.0003	.1137	.0008	.0126	.0000	2.935	.0001	-0.000	.0001	.0004
#3	-.0002	.0962	.0008	.0123	-.0001	2.942	.0000	-0.000	.0004	.0004
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0819	.9748	.0379	.0003	.0003	4.016	.0002	.0000	.0005	-.0001
Stddev	.0031	.0067	.0136	.0000	.0001	.004	.0001	.001	.0007	.0004
%RSD	3.739	.6888	35.87	7.375	35.86	.0934	53.31	1136.	157.3	296.2
#1	.0788	.9789	.0534	.0003	.0003	4.019	.0003	.0006	.0012	.0003
#2	.0849	.9785	.0326	.0003	.0003	4.012	.0001	-0.005	.0003	-0.004
#3	.0820	.9671	.0278	.0003	.0002	4.017	.0001	-0.003	-0.002	-0.003
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	.7540	.0001	.0024	.0001	.0003	.0008	.0092			
Stddev	.0011	.0002	.0001	.0000	.0003	.0001	.0000			
%RSD	.1402	152.2	4.304	8.455	96.92	16.40	2588			
#1	.7541	.0003	.0024	.0002	.0006	.0009	.0092			
#2	.7528	-.0001	.0022	.0001	.0000	.0009	.0092			
#3	.7549	.0003	.0024	.0001	.0003	.0007	.0092			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2931.8	6516.3	56227.	6561.5						
Stddev	2.2	6.4	109.	40.1						
%RSD	.07457	.09758	.19369	.61171						
#1	2930.8	6511.3	56218.	6515.8						
#2	2930.2	6523.4	56123.	6590.9						
#3	2934.3	6514.1	56340.	6577.7						

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Sample Name: FA31863-17F Acquired: 3/8/2016 15:20:42 Type: Unk
Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0001	.0804	.0003	.0018	.0000	14.10	.0001	.0000	.0006	.0013
Stddev	.0003	.0018	.0007	.0001	.0000	.01	.0000	.0001	.0002	.0002
%RSD	294.1	2.297	229.3	7.351	92.14	.0574	32.28	360.9	29.14	17.36
#1	.0001	.0783	-.0001	.0020	.0001	14.09	.0001	.0000	.0005	.0011
#2	-.0003	.0811	-.0001	.0017	.0000	14.10	.0000	.0000	.0005	.0015
#3	-.0002	.0817	.0011	.0018	.0000	14.11	.0001	.0002	.0008	.0013
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0125	.3087	-.0069	.0002	.0011	1.687	.0000	.0007	.0016	.0010
Stddev	.0016	.0122	.0076	.0000	.0001	.011	.000	.0002	.0005	.0007
%RSD	13.14	3.961	110.0	6.427	13.27	.6668	2492.	37.61	28.99	63.37
#1	.0138	.2984	-.0122	.0002	.0012	1.696	.0000	.0006	.0020	.0003
#2	.0107	.3222	.0018	.0002	.0012	1.674	.0000	.0004	.0019	.0014
#3	.0132	.3054	-.0102	.0002	.0009	1.691	.0000	.0009	.0011	.0014
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	.2370	-.0001	.0213	.0006	.0002	.0048	.0073			
Stddev	.0003	.0001	.0001	.0000	.0003	.0002	.0001			
%RSD	.1301	104.9	.3667	6.030	135.0	4.986	.7211			
#1	.2367	-.0001	.0214	.0006	-.0001	.0047	.0073			
#2	.2372	-.0001	.0214	.0006	.0002	.0051	.0072			
#3	.2373	.0000	.0213	.0005	.0005	.0047	.0073			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2910.6	6465.3	55520.	6375.6						
Stddev	6.2	17.4	117.	61.2						
%RSD	.21199	.26859	.21055	.95927						
#1	2907.6	6465.0	55502.	6401.8						
#2	2917.7	6482.9	55414.	6419.3						
#3	2906.5	6448.2	55645.	6305.7						

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Sample Name: FA31884-30 Acquired: 3/8/2016 15:24:49 Type: Unk
Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0001	.0454	.0009	.0358	.0000	39.27	.0001	.0011	.0004	-.0002
Stddev	.0002	.0084	.0005	.0003	.0000	.15	.0000	.0000	.0003	.0002
%RSD	112.4	18.48	51.42	.7266	103.0	.3936	28.42	.8445	86.19	66.52
#1	-.0001	.0510	.0015	.0361	.0000	39.30	.0001	.0011	.0004	-.0003
#2	-.0000	.0358	.0006	.0356	.0001	39.40	.0001	.0011	.0000	-.0003
#3	-.0003	.0494	.0007	.0357	.0000	39.10	.0001	.0011	.0007	-.0001
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0227	1.083	9.703	.0199	.0003	10.38	.0013	-.0004	.0011	.0004
Stddev	.0026	.016	.033	.0000	.0001	.05	.0001	.0003	.0003	.0015
%RSD	11.50	1.489	.3347	.1644	27.68	.5008	5.945	90.11	27.76	1457.
#1	.0254	1.098	9.716	.0200	.0002	10.41	.0013	.0000	.0011	-.0009
#2	.0202	1.085	9.726	.0199	.0003	10.41	.0013	-.0006	.0008	.0018
#3	.0224	1.066	9.665	.0199	.0004	10.32	.0014	-.0005	.0014	-.0006
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	3.597	-.0001	.6272	.0017	-.0001	.0038	.0246			
Stddev	.004	.0002	.0020	.0000	.0004	.0002	.0001			
%RSD	.1154	124.4	.3203	.9382	418.1	5.904	.2867			
#1	3.596	-.0001	.6286	.0017	-.0003	.0036	.0246			
#2	3.602	-.0003	.6282	.0018	-.0004	.0040	.0246			
#3	3.594	.0000	.6249	.0017	.0003	.0037	.0247			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2794.8	6392.9	54382.	6446.7						
Stddev	1.7	4.0	207.	67.2						
%RSD	.05960	.06190	.38145	1.0421						
#1	2794.6	6395.4	54190.	6439.9						
#2	2796.5	6394.9	54602.	6383.1						
#3	2793.2	6388.3	54355.	6517.0						

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Sample Name: MP30079-MB1 Acquired: 3/8/2016 15:28:56 Type: QC
Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	-.0033	-.0004	.0001	.0000	.0059	.0000	-.0001	.0001	.0000
Stddev	.0001	.0083	.0005	.0001	.0000	.0022	.000	.0001	.0001	.000
%RSD	62.09	251.0	123.0	153.7	317.8	36.77	45.78	89.53	121.6	497.5
#1	-.0003	-.0087	.0002	.0000	.0000	.0034	.0000	.0000	.0000	-.0001
#2	-.0001	.0062	-.0006	.0002	.0000	.0070	.0000	-.0002	.0002	.0001
#3	-.0001	-.0075	-.0007	.0000	.0000	.0073	.0000	-.0001	.0002	-.0001
Check ?	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass
High Limit										
Low Limit										
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0022	-.0143	.0192	.0000	.0002	.0155	-.0002	-.0001	.0012	-.0008
Stddev	.0026	.0097	.0055	.0000	.0001	.0030	.0001	.0003	.0001	.0003
%RSD	120.8	67.75	28.51	212.6	31.52	19.15	31.95	483.3	5.504	45.47
#1	.0030	-.0032	.0232	.0000	.0002	.0168	-.0003	.0002	.0011	-.0011
#2	.0043	-.0189	.0213	.0000	.0002	.0121	-.0001	-.0005	.0012	-.0007
#3	-.0008	-.0208	.0130	.0000	.0003	.0175	-.0002	.0001	.0012	-.0004

Sample Name: MP30079-MB1 Acquired: 3/8/2016 15:28:56 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2983.3	6561.0	56513.	6503.6
Stddev	11.0	21.7	173.	37.3
%RSD	.36903	.33143	.30551	.57420
#1	2970.6	6537.0	56336.	6474.9
#2	2989.0	6579.3	56521.	6490.2
#3	2990.3	6566.8	56681.	6545.8

Sample Name: MP30079-B1 Acquired: 3/8/2016 15:33:07 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0509	28.83	2.092	2.170	.0558	27.17	.0538	.5338	.2170	.2750
Stddev	.0002	.11	.003	.008	.0004	.11	.0001	.0005	.0006	.0012
%RSD	.4510	.3853	.1194	.3818	.7518	.4119	.1125	.1005	.2912	.4198
#1	.0508	28.94	2.089	2.179	.0562	27.27	.0538	.5333	.2165	.2763
#2	.0507	28.72	2.093	2.164	.0554	27.05	.0539	.5343	.2167	.2748
#3	.0511	28.84	2.094	2.166	.0560	27.18	.0538	.5338	.2177	.2740

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	29.12	27.36	27.82	.5641	.5439	28.03	.5500	.5212	.5317	2.114
Stddev	.06	.12	.14	.0011	.0014	.07	.0002	.0009	.0016	.004
%RSD	.2191	.4479	.5086	.1941	.2645	.2411	.0449	.1733	.3070	.1825
#1	29.20	27.50	27.97	.5628	.5425	28.11	.5502	.5212	.5312	2.112
#2	29.08	27.28	27.68	.5646	.5440	27.98	.5500	.5221	.5304	2.112
#3	29.09	27.30	27.82	.5648	.5453	28.00	.5497	.5203	.5336	2.119

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0115	.5528	.5494	.5573	2.089	.5098	.5539
Stddev	.0002	.0004	.0021	.0004	.006	.0014	.0007
%RSD	1.305	.0793	.3754	.0773	.2878	.2763	.1246
#1	.0116	.5533	.5517	.5569	2.082	.5085	.5539
#2	.0116	.5524	.5483	.5572	2.091	.5113	.5546
#3	.0114	.5528	.5480	.5578	2.094	.5098	.5532

Check ? None Chk Pass None None Chk PassChk PassChk Pass Value Range

Sample Name: MP30079-B1 Acquired: 3/8/2016 15:33:07 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2675.4	6250.8	53562.	6291.0
Stddev	7.4	9.6	276.	17.5
%RSD	.27774	.15346	.51480	.27847
#1	2674.3	6247.3	53875.	6278.5
#2	2668.5	6243.4	53355.	6311.1
#3	2683.2	6261.6	53457.	6283.6

Sample Name: FA31843-2L Acquired: 3/8/2016 15:37:05 Type: Unk
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0001	.6861	.0010	.0081	.0001	1.193	.0000	.0000	.0008
Stddev	.0005	.0078	.0002	.0002	.0000	.005	.000	.0001	.0002
%RSD	364.9	1.138	16.26	2.021	49.50	.4575	67.68	551.2	28.73
#1	-.0004	.6867	.0011	.0081	.0000	1.187	-.0001	.0000	.0009
#2	-.0004	.6936	.0008	.0083	.0001	1.193	.0000	.0000	.0010
#3	.0005	.6780	.0010	.0079	.0001	1.198	.0000	.0001	.0005

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0009	.9573	.2858	.1464	.0021	.0003	F170.2	.0007	.0020
Stddev	.0002	.0074	.0205	.0054	.0000	.0001	2.8	.0002	.0004
%RSD	23.08	.7722	7.184	3.678	1.767	21.13	1.624	25.18	19.94
#1	.0007	.9643	.2625	.1513	.0021	.0003	170.3	.0005	.0024
#2	.0011	.9582	.2938	.1472	.0021	.0004	167.4	.0008	.0018
#3	.0008	.9495	.3012	.1407	.0020	.0003	172.9	.0007	.0016

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0016	.0007	.6280	.0002	.0038	.0242	-.0013	.0005	.0019
Stddev	.0003	.0006	.0020	.0001	.0000	.0005	.0003	.0003	.0000
%RSD	16.41	82.08	.3159	57.31	.4390	2.018	21.87	67.46	.9771
#1	.0019	.0001	.6300	.0002	.0038	.0247	-.0015	.0003	.0019
#2	.0016	.0013	.6279	.0003	.0038	.0243	-.0010	.0008	.0019
#3	.0014	.0007	.6261	.0001	.0038	.0237	-.0015	.0002	.0019

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2634.4	6148.0	52386.	6370.3
Stddev	3.9	8.8	400.	47.5
%RSD	.14884	.14375	.76311	.74632
#1	2631.4	6140.3	52136.	6378.5
#2	2633.0	6146.2	52174.	6413.1
#3	2638.9	6157.7	52847.	6319.1

Sample Name: CCV Acquired: 3/8/2016 15:41:21 Type: QC
Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include Avg, Stddev, %RSD and three replicate rows (#1, #2, #3).

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 11 columns: Elem, Units, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include Avg, Stddev, %RSD and three replicate rows (#1, #2, #3).

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 8 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicate rows (#1, #2, #3).

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Sample Name: CCV Acquired: 3/8/2016 15:41:21 Type: QC
Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and three replicate rows (#1, #2, #3).

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 8 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicate rows (#1, #2, #3).

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Sample Name: CCB Acquired: 3/8/2016 15:45:23 Type: QC
Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include Avg, Stddev, %RSD and three replicate rows (#1, #2, #3).

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit Low Limit

Table with 11 columns: Elem, Units, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Avg, Stddev, %RSD and three replicate rows (#1, #2, #3).

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
High Limit Low Limit

Table with 11 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicate rows (#1, #2, #3).

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
High Limit Low Limit

Sample Name: CCB Acquired: 3/8/2016 15:45:23 Type: QC
Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and three replicate rows (#1, #2, #3).

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit Low Limit

Table with 8 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicate rows (#1, #2, #3).

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit Low Limit

Sample Name: MP30079-D1 Acquired: 3/8/2016 15:49:34 Type: Unk
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	.6495	.0009	.0077	.0001	1.144	.0000	.0000	.0007
Stddev	.0003	.0128	.0005	.0001	.0000	.004	.0000	.000	.0001
%RSD	139.7	1.963	50.82	1.626	20.47	.3216	30.48	351.0	15.12
#1	-.0004	.6364	.0010	.0077	.0001	1.140	.0000	-.0001	.0006
#2	-.0001	.6501	.0013	.0077	.0001	1.143	.0000	.0000	.0007
#3	-.0003	.6619	.0004	.0079	.0001	1.147	.0000	.0000	.0008
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0013	.9339	.2411	.1385	.0020	.0008	F167.7	.0009	.0014
Stddev	.0001	.0043	.0271	.0046	.0000	.0002	1.5	.0000	.0003
%RSD	5.369	.4554	11.25	3.292	1.305	28.35	.9068	3.646	24.49
#1	.0013	.9339	.2098	.1339	.0021	.0010	166.0	.0009	.0014
#2	.0013	.9297	.2564	.1430	.0020	.0008	168.6	.0010	.0018
#3	.0014	.9382	.2570	.1384	.0020	.0005	168.6	.0009	.0011
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0013	-.0003	.6195	.0003	.0039	.0235	-.0009	.0006	.0020
Stddev	.0007	.0011	.0046	.0003	.0001	.0006	.0005	.0001	.0001
%RSD	53.94	389.9	.7459	108.1	3.699	2.566	49.72	21.93	3.419
#1	.0013	.0009	.6244	.0004	.0038	.0241	-.0009	.0007	.0019
#2	.0020	-.0012	.6153	-.0001	.0040	.0233	-.0014	.0005	.0020
#3	.0006	-.0006	.6187	.0006	.0038	.0230	-.0005	.0006	.0019
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2645.8	6193.8	52345	6516.0					
Stddev	.6	6.1	196.	58.5					
%RSD	.02341	.09800	.37437	.89727					
#1	2646.3	6191.8	52425	6583.1					
#2	2645.1	6200.6	52488	6476.0					
#3	2645.9	6189.0	52122	6489.0					

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Sample Name: MP30079-SD1 Acquired: 3/8/2016 15:53:53 Type: Unk
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0014	.5986	.0036	.0070	.0001	1.090	.0001	.0000	.0009	-.0006
Stddev	.0007	.0112	.0027	.0001	.0003	.028	.0001	.001	.0006	.0009
%RSD	51.56	1.875	74.51	2.043	386.7	2.587	47.32	1601.	69.77	155.7
#1	-.0009	.5900	.0006	.0071	-.0001	1.062	.0002	.0007	.0014	-.0004
#2	-.0023	.6113	.0046	.0068	-.0001	1.088	.0001	-.0006	.0010	-.0014
#3	-.0011	.5947	.0057	.0070	.0005	1.119	.0002	-.0002	.0002	-.0008
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.8734	.2936	.2209	.0019	.0008	168.2	.0000	-.0018	.0067	-.0063
Stddev	.0132	.0375	.0077	.0001	.0003	.1	.0002	.0012	.0030	.0022
%RSD	1.513	12.76	3.504	3.044	31.16	.0824	1136.	66.41	45.38	35.73
#1	.8806	.2521	.2295	.0018	.0007	168.0	.0002	-.0029	.0101	-.0047
#2	.8816	.3248	.2146	.0019	.0007	168.3	.0001	-.0018	.0045	-.0053
#3	.8582	.3040	.2185	.0019	.0011	168.2	-.0002	-.0006	.0054	-.0089
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	.5900	.0000	.0034	.0226	.0032	.0000	.0267			
Stddev	.0034	.0003	.0000	.0007	.0015	.001	.0001			
%RSD	.5783	3814.	1.438	3.320	48.61	1448.	.5426			
#1	.5890	-.0003	.0035	.0225	.0049	.0007	.0266			
#2	.5873	.0003	.0034	.0219	.0020	-.0005	.0269			
#3	.5938	.0000	.0034	.0234	.0026	-.0003	.0268			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2819.4	6272.4	53687.	6366.3						
Stddev	7.6	28.3	174.	56.3						
%RSD	.26960	.45061	.32399	.88376						
#1	2827.3	6304.5	53558.	6431.3						
#2	2818.8	6261.5	53885.	6332.3						
#3	2812.1	6251.2	53619.	6335.4						

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Sample Name: MP30079-S1 Acquired: 3/8/2016 15:58:02 Type: Unk
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0504	28.74	2.115	2.115	.0551	27.58	.0522	.5130	.2087
Stddev	.0006	.14	.005	.005	.0001	.12	.0001	.0005	.0007
%RSD	1.181	.4924	.2169	.2616	.2313	.4388	.1836	.0941	.3371
#1	.0501	28.64	2.114	2.115	.0551	27.49	.0523	.5132	.2095
#2	.0510	28.90	2.120	2.120	.0552	27.72	.0522	.5132	.2087
#3	.0499	28.67	2.111	2.109	.0549	27.53	.0521	.5124	.2081
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2708	29.80	27.35	27.36	.5510	.5477	F193.3	.5391	.5231
Stddev	.0006	.11	.09	.27	.0011	.0010	3.2	.0011	.0016
%RSD	.2268	.3667	.3322	1.001	.2032	.1753	1.654	.1979	.2978
#1	.2713	29.68	27.30	27.06	.5519	.5476	189.6	.5392	.5242
#2	.2709	29.90	27.45	27.59	.5514	.5487	195.2	.5401	.5238
#3	.2701	29.81	27.29	27.44	.5497	.5468	195.0	.5380	.5213
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5296	2.159	.6130	.5447	.5562	.5807	2.051	.4963	.5609
Stddev	.0014	.003	.0023	.0007	.0009	.0008	.005	.0013	.0012
%RSD	.2641	.1370	.3807	.1303	.1575	.1337	.2372	.2579	.2157
#1	.5289	2.160	.6157	.5454	.5566	.5811	2.048	.4977	.5608
#2	.5286	2.162	.6113	.5449	.5569	.5812	2.057	.4960	.5622
#3	.5311	2.156	.6121	.5440	.5552	.5798	2.048	.4952	.5598
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2526.8	6032.8	52075	6277.8					
Stddev	4.4	11.8	199.	108.0					
%RSD	.17405	.19568	.38226	1.7210					
#1	2526.1	6036.8	51846	6402.1					
#2	2522.8	6019.5	52172.	6206.3					
#3	2531.5	6042.1	52207.	6225.0					

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Sample Name: MP30079-S2 Acquired: 3/8/2016 16:02:09 Type: Unk
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0511	28.75	2.134	2.137	.0551	27.55	.0527	.5193	.2125
Stddev	.0004	.05	.003	.004	.0003	.09	.0000	.0001	.0005
%RSD	.6905	.1865	.1239	.1823	.4737	.3104	.0660	.0174	.2554
#1	.0510	28.78	2.135	2.142	.0551	27.57	.0528	.5192	.2126
#2	.0509	28.78	2.135	2.135	.0553	27.63	.0527	.5194	.2119
#3	.0515	28.69	2.131	2.135	.0548	27.46	.0527	.5192	.2130
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2747	30.22	27.44	27.72	.5643	.5550	F194.9	.5456	.5263
Stddev	.0006	.08	.10	.14	.0004	.0010	3.6	.0004	.0010
%RSD	.2247	.2567	.3643	.5027	.0751	.1834	1.841	.0800	.1870
#1	.2752	30.30	27.51	27.88	.5645	.5561	196.6	.5460	.5262
#2	.2740	30.19	27.48	27.68	.5638	.5548	197.2	.5457	.5253
#3	.2750	30.15	27.32	27.61	.56				

Sample Name: FA31843-1L Acquired: 3/8/2016 16:06:15 Type: Unk
Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA31843-4L Acquired: 3/8/2016 16:14:49 Type: Unk
Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA31843-3L Acquired: 3/8/2016 16:10:31 Type: Unk
Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA31843-5L Acquired: 3/8/2016 16:19:05 Type: Unk
Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA31843-6L Acquired: 3/8/2016 16:23:22 Type: Unk
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	.0439	.0001	.0194	.0001	4.149	.0005	.0001	.0001
Stddev	.0003	.0075	.0005	.0002	.0000	.007	.0000	.0000	.0001
%RSD	51.69	17.11	455.5	1.039	39.40	.1614	2.736	48.02	164.0
#1	-.0004	.0357	.0006	.0193	.0001	4.142	.0006	.0000	.0001
#2	-.0008	.0504	-.0003	.0193	.0001	4.151	.0006	.0001	-.0001
#3	-.0003	.0457	.0000	.0196	.0001	4.155	.0005	.0001	.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0002	.0158	.2720	.1134	.0047	.0000	F164.0	-.0002	.0005
Stddev	.0001	.0004	.0225	.0073	.0000	.000	1.6	.0001	.0001
%RSD	50.24	2.330	8.260	6.469	.6287	18770.	.9690	68.55	22.04
#1	-.0002	.0156	.2526	.1066	.0047	.0000	164.6	-.0003	.0005
#2	-.0001	.0163	.2966	.1212	.0047	-.0001	165.3	-.0002	.0004
#3	-.0003	.0157	.2668	.1124	.0047	.0001	162.3	-.0001	.0006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0018	-.0003	.1862	.0001	.0091	.0008	-.0019	.0002	.0058
Stddev	.0009	.0011	.0012	.0002	.0001	.0000	.0004	.0001	.0000
%RSD	49.58	405.1	.6536	333.6	.8568	4.200	23.63	70.63	2.022
#1	.0017	.0000	.1850	-.0002	.0090	.0008	-.0024	.0001	.0058
#2	.0010	.0007	.1874	.0002	.0092	.0008	-.0018	.0003	.0058
#3	.0028	-.0015	.1864	.0002	.0092	.0007	-.0015	.0001	.0058
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2638.7	6049.3	5172.7	6312.1					
Stddev	2.8	9.2	68.	16.8					
%RSD	.10549	.15246	.13122	.26664					
#1	2638.9	6040.7	51769.	6320.4					
#2	2635.9	6048.2	51764.	6292.7					
#3	2641.5	6059.0	51649.	6323.2					

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Sample Name: MP30079-D2 Acquired: 3/8/2016 16:27:40 Type: Unk
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	2.219	.0013	.0199	.0001	1.406	.0000	.0000	.0023
Stddev	.0001	.008	.0006	.0004	.0000	.005	.000	.000	.0003
%RSD	14.39	.3473	45.59	1.784	22.07	.3851	360.3	768.0	11.35
#1	-.0004	2.226	.0020	.0196	.0001	1.412	.0000	.0000	.0026
#2	-.0005	2.220	.0011	.0203	.0001	1.402	.0000	.0000	.0022
#3	-.0006	2.210	.0009	.0200	.0001	1.404	.0000	.0001	.0022
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0027	2.336	.3395	.2548	.0031	.0000	F167.8	.0010	.0028
Stddev	.0003	.015	.0063	.0048	.0001	.0000	.9	.0000	.0004
%RSD	12.39	.6241	1.867	1.884	2.091	293.4	.5623	2.438	12.97
#1	.0030	2.347	.3327	.2566	.0032	.0001	168.8	.0010	.0032
#2	.0028	2.320	.3453	.2584	.0030	.0000	167.0	.0010	.0025
#3	.0023	2.341	.3404	.2493	.0031	.0000	167.7	.0011	.0027
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0013	-.0012	1.870	.0002	.0043	.0917	-.0007	.0029	.0119
Stddev	.0003	.0008	.001	.0002	.0001	.0011	.0005	.0002	.0000
%RSD	24.66	68.16	.0419	72.76	1.275	1.197	76.38	7.102	.1836
#1	.0010	-.0003	1.871	.0001	.0042	.0911	-.0007	.0026	.0119
#2	.0017	-.0017	1.870	.0004	.0043	.0910	-.0002	.0030	.0119
#3	.0012	-.0017	1.870	.0001	.0043	.0929	-.0013	.0029	.0119
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2647.9	6122.4	52484.	6312.2					
Stddev	6.3	20.5	111.	55.9					
%RSD	.23626	.33472	.21197	.88519					
#1	2645.8	6124.9	52357.	6286.3					
#2	2643.0	6100.8	52560.	6376.3					
#3	2654.9	6141.5	52537.	6273.9					

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Sample Name: CCV Acquired: 3/8/2016 16:31:56 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2502	40.32	2.069	2.021	2.101	40.74	2.029	2.027	2.023	2.066
Stddev	.0017	.15	.007	.009	.013	.21	.004	.004	.015	.016
%RSD	.6793	.3658	.3507	.4421	.6375	.5207	.1754	.2080	.7532	.7836
#1	2493	40.36	2.061	2.023	2.105	40.81	2.026	2.023	2.014	2.052
#2	2522	40.43	2.074	2.028	2.111	40.91	2.033	2.029	2.041	2.084
#3	2492	40.15	2.073	2.011	2.086	40.50	2.030	2.030	2.014	2.061
Check ?	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass
Value										
Range										
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	41.64	41.82	41.63	2.105	2.140	41.71	2.104	2.037	2.080	2.084
Stddev	.19	.23	.23	.012	.012	.21	.007	.006	.005	.009
%RSD	.4492	.5471	.5409	.5720	.5750	.5029	.3301	.3080	.2605	.4135
#1	41.63	41.89	41.70	2.095	2.127	41.72	2.096	2.030	2.074	2.075
#2	41.83	42.00	41.80	2.119	2.144	41.91	2.107	2.040	2.084	2.092
#3	41.46	41.56	41.37	2.101	2.150	41.49	2.109	2.041	2.083	2.086
Check ?	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass
Value										
Range										
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm			
Avg	1.484	2.079	2.147	2.137	2.048	2.062	2.164			
Stddev	.004	.005	.010	.013	.008	.015	.007			
%RSD	.2337	.2503	.4747	.6090	.3913	.7126	.3354			
#1	1.480	2.073	2.149	2.127	2.039	2.053	2.155			
#2	1.486	2.083	2.156	2.152	2.055	2.079	2.166			
#3	1.486	2.082	2.136	2.133	2.049	2.053	2.169			
Check ?	None	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass	Chk
Value										
Range										

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Sample Name: CCV Acquired: 3/8/2016 16:31:56 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2576.9	6089.0	52933.	6301.2
Stddev	11.2	25.2	268.	57.9
%RSD	.43604	.41395	.50565	.91843
#1	2589.8	6117.1	53237.	6333.3
#2	2571.8	6081.7	52733.	6234.4
#3	2569.2	6068.3	52829.	6335.9

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Sample Name: CCB Acquired: 3/8/2016 16:35:53 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0011	.0002	.0003	.0001	.0040	.0001	.0000	.0000
Stddev	.0005	.0082	.0005	.0000	.0000	.0019	.0000	.0000	.000
%RSD	327.7	775.4	191.0	12.77	33.12	46.15	49.22	107.4	572.8
#1	-0.007	.0080	.0006	.0003	.0002	.0019	.0002	.0000	.0002
#2	-0.001	.0032	-.0003	.0003	.0001	.0047	.0001	.0000	.0000
#3	.0003	-.0080	.0004	.0004	.0001	.0054	.0001	.0000	-.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	.0357	.0167	.0237	.0001	F.0029	.0321	.0000	-.0004
Stddev	.0001	.0044	.0288	.0034	.0000	.0006	.0058	.0002	.0002
%RSD	22.53	12.29	173.3	14.53	44.45	19.67	18.23	432.9	52.81
#1	-0.0007	.0403	-.0069	.0267	.0001	.0035	.0387	-.0001	-.0007
#2	-0.0004	.0354	.0488	.0199	.0000	.0028	.0300	.0001	-.0002
#3	-0.0005	.0315	.0080	.0245	.0001	.0024	.0275	.0001	-.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	.0002	.0009	.0005	.0001	F.0021	.0009	.0002	.0001
Stddev	.0007	.0005	.0003	.0002	.0001	.0003	.0002	.0001	.0000
%RSD	46.02	257.2	32.69	40.09	56.57	12.45	28.01	83.16	68.67
#1	.0009	.0008	.0013	.0007	.0002	.0023	.0006	.0002	.0001
#2	.0023	.0001	.0007	.0003	.0001	.0020	.0009	.0002	.0001
#3	.0013	-.0003	.0008	.0007	.0001	.0018	.0011	.0000	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/8/2016 16:35:53 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2985.4	6342.5	55258.	6256.5
Stddev	6.6	18.4	196.	36.8
%RSD	.22116	.28938	.35420	.58766
#1	2977.8	6321.4	55047.	6249.2
#2	2990.2	6354.0	55434.	6296.3
#3	2988.1	6352.2	55293.	6223.9

Sample Name: MP30079-MB2 Acquired: 3/8/2016 16:40:02 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	.0128	.0006	.0007	.0001	.0256	.0000	.0005	.0004
Stddev	.0002	.0035	.0007	.0000	.0001	.0031	.000	.0000	.0002
%RSD	57.15	27.19	110.2	4.038	167.3	12.18	31.30	1.917	36.49
#1	-0.0001	.0139	.0007	.0007	.0001	.0278	.0000	.0005	.0003
#2	-0.0003	.0089	-.0001	.0007	-.0001	.0269	.0000	.0005	.0006
#3	-0.0005	.0155	.0013	.0007	.0002	.0220	.0000	.0005	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0027	.0721	.1149	.0079	.0002	.0009	F172.0	.0121	.0005
Stddev	.0001	.0011	.0024	.0113	.0000	.0001	.9	.0001	.0003
%RSD	5.039	1.576	2.074	142.0	12.14	7.697	.5245	.6142	54.28
#1	.0026	.0723	.1160	.0178	.0002	.0010	172.9	.0121	.0005
#2	.0029	.0732	.1122	-.0043	.0002	.0010	172.0	.0122	.0008
#3	.0027	.0709	.1165	.0103	.0002	.0008	171.1	.0121	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	-.0004	.0151	.0005	.0001	.0006	-.0016	.0000	.0011
Stddev	.0007	.0009	.0008	.0002	.0001	.0001	.0011	.0002	.0000
%RSD	46.43	235.6	5.540	39.80	49.47	11.26	69.62	2515.	2.890
#1	.0008	.0004	.0150	.0007	.0001	.0007	-.0011	-.0001	.0011
#2	.0016	-.0002	.0143	.0004	.0001	.0006	-.0008	.0000	.0011
#3	.0022	-.0013	.0160	.0004	.0002	.0006	-.0029	.0002	.0012

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30079-MB2 Acquired: 3/8/2016 16:40:02 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2655.3	6108.4	52170.	6391.7
Stddev	7.1	13.2	121.	31.3
%RSD	.26603	.21539	.23144	.48917
#1	2648.4	6096.8	52131.	6383.2
#2	2655.0	6122.7	52074.	6426.3
#3	2662.5	6105.7	52306.	6365.6

Sample Name: MP30079-B2 Acquired: 3/8/2016 16:44:21 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0507	28.11	2.119	2.118	.0547	26.52	.0528	.5184	.2112
Stddev	.0004	.05	.001	.002	.0001	.06	.0000	.0003	.0012
%RSD	.7919	.1930	.0223	.0905	.2187	.2354	.0853	.0538	.5843
#1	.0510	28.14	2.120	2.116	.0545	26.58	.0529	.5183	.2098
#2	.0502	28.05	2.119	2.117	.0548	26.45	.0528	.5188	.2119
#3	.0508	28.15	2.119	2.120	.0547	26.53	.0528	.5182	.2120

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2734	28.91	27.27	27.20	.5533	.5424	F189.2	.5492	.5190
Stddev	.0006	.05	.08	.07	.0006	.0010	2.5	.0005	.0006
%RSD	.2031	.1681	.2793	.2591	.1053	.1901	1.329	.0944	.1097
#1	.2735	28.86	27.36	27.19	.5530	.5433	192.1	.5493	.5185
#2	.2739	28.93	27.22	27.13	.5539	.5427	187.5	.5496	.5187
#3	.2728	28.95	27.23	27.27	.5528	.5413	187.9	.5486	.5196

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 Value Range 25.00 20.00%

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5281	2.161	.0186	.5450	.5476	.5568	2.033	.5004	.5560
Stddev	.0006	.003	.0002	.0005	.0022	.0005	.003	.0001	.0010
%RSD	.1124	.1335	.9080	.0910	.3945	.0891	.1484	.0224	.1776
#1	.5287	2.164	.0187	.5455	.5452	.5573	2.032	.5005	.5570
#2	.5275	2.159	.0184	.5445	.5489	.5567	2.036	.5003	.5561
#3	.5282	2.160	.0186	.5450	.5489	.5563	2.031	.5004	.5550

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30079-B2 Acquired: 3/8/2016 16:44:21 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2550.0	6102.5	52174.	6408.6
Stddev	2.5	14.3	155.	29.1
%RSD	.09794	.23367	.29647	.45358
#1	2549.0	6088.5	52343.	6385.6
#2	2548.2	6102.0	52040.	6441.3
#3	2552.9	6117.0	52138.	6399.0

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2734	28.91	27.27	27.20	.5533	.5424	F189.2	.5492	.5190
Stddev	.0006	.05	.08	.07	.0006	.0010	2.5	.0005	.0006
%RSD	.2031	.1681	.2793	.2591	.1053	.1901	1.329	.0944	.1097
#1	.2735	28.86	27.36	27.19	.5530	.5433	192.1	.5493	.5185
#2	.2739	28.93	27.22	27.13	.5539	.5427	187.5	.5496	.5187
#3	.2728	28.95	27.23	27.27	.5528	.5413	187.9	.5486	.5196

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 Value Range 25.00 20.00%

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5281	2.161	.0186	.5450	.5476	.5568	2.033	.5004	.5560
Stddev	.0006	.003	.0002	.0005	.0022	.0005	.003	.0001	.0010
%RSD	.1124	.1335	.9080	.0910	.3945	.0891	.1484	.0224	.1776
#1	.5287	2.164	.0187	.5455	.5452	.5573	2.032	.5005	.5570
#2	.5275	2.159	.0184	.5445	.5489	.5567	2.036	.5003	.5561
#3	.5282	2.160	.0186	.5450	.5489	.5563	2.031	.5004	.5550

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 3/8/2016 16:48:27 Type: Unk
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Avg	.0087	.2173	.0104	.2062	.0052	1.053	.0054	.0532	.0107	.0259
Stddev	.0004	.0048	.0002	.0004	.0001	.005	.0001	.0000	.0002	.0005
%RSD	4.188	2.217	1.488	1.964	1.181	4.980	1.366	.0239	1.530	1.956
#1	.0090	.2218	.0105	.2067	.0053	1.059	.0055	.0532	.0108	.0259
#2	.0088	.2179	.0104	.2060	.0052	1.051	.0054	.0532	.0105	.0254
#3	.0083	.2122	.0102	.2060	.0052	1.050	.0054	.0532	.0108	.0264

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.3395	10.33	5.308	.0165	.0499	10.32	.0430	.0054	.0063	.0104
Stddev	.0019	.02	.029	.0000	.0003	.03	.0002	.0002	.0007	.0003
%RSD	.5696	.2296	.5534	.1847	.5028	.2467	.5572	3.559	10.32	2.553
#1	.3403	10.35	5.332	.0165	.0501	10.35	.0430	.0053	.0058	.0105
#2	.3373	10.31	5.276	.0164	.0496	10.31	.0427	.0052	.0061	.0106
#3	.3409	10.34	5.317	.0165	.0499	10.30	.0432	.0056	.0071	.0101

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0346	.0531	.0102	.0105	.0110	.0490	.0220
Stddev	.0005	.0003	.0001	.0001	.0002	.0002	.0001
%RSD	1.312	.5759	.6743	.7484	1.832	.3232	.2384
#1	.0343	.0532	.0103	.0106	.0111	.0491	.0220
#2	.0351	.0527	.0101	.0104	.0111	.0488	.0219
#3	.0344	.0532	.0102	.0105	.0108	.0490	.0220

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2876.3	6505.9	55527.	6455.2
Stddev	6.4	6.5	144.	49.3
%RSD	.22248	.09977	.25865	.76347
#1	2879.7	6513.1	55489.	6510.2
#2	2880.3	6500.5	55686.	6440.3
#3	2868.9	6504.1	55407.	6415.1

Sample Name: ICESA Acquired: 3/8/2016 16:52:32 Type: Unk
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0004	478.8	.0003	.0006	.0003	472.1	-.0005	.0003	-.0007	.0008
Stddev	.0002	9.4	.0006	.0002	.0000	12.9	.0001	.0000	.0001	.0005
%RSD	54.96	1.973	185.2	32.70	14.69	2.725	19.19	15.77	8.985	61.53
#1	-.0006	477.9	.0009	.0005	.0004	468.4	-.0005	.0003	-.0006	.0003
#2	-.0002	488.6	.0005	.0008	.0003	486.5	-.0006	.0003	-.0007	.0009
#3	-.0006	469.8	-.0004	.0005	.0003	461.6	-.0005	.0003	-.0006	.0012

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	179.8	.6976	496.4	.0005	.0005	.8483	.0011	-.0031	-.0003	-.0022
Stddev	1.0	.0244	3.6	.0000	.0001	.0115	.0000	.0042	.0027	.0006
%RSD	.5728	3.497	.7181	9.327	18.79	1.355	2.598	132.4	962.1	28.10
#1	180.0	.6941	496.4	.0006	.0004	.8495	.0012	-.0034	.0026	-.0029
#2	180.8	.7235	499.9	.0005	.0005	.8591	.0011	-.0072	-.0008	-.0019
#3	178.7	.6751	492.8	.0005	.0006	.8362	.0011	.0011	-.0027	-.0019

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0172	.0021	.0003	.0003	-.0005	.0002	-.0006
Stddev	.0003	.0001	.0002	.0002	.0001	.0001	.0002
%RSD	1.600	6.941	72.82	57.95	16.82	43.36	36.08
#1	.0174	.0020	.0004	.0002	-.0006	.0001	-.0004
#2	.0169	.0023	.0000	.0006	-.0004	.0003	-.0008
#3	.0174	.0020	.0005	.0003	-.0005	.0003	-.0004

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
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Sample Name: ICSAB Acquired: 3/8/2016 16:56:49 Type: Unk
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F.9980	496.3	1.084	5472	5421	481.4	1.008	5078	5258
Stddev	.0021	6.3	.004	.0018	.0018	3.5	.001	.0004	.0012
%RSD	.2119	1.270	.3250	.3245	.3401	.7356	.0871	.0708	.2288
#1	.9959	490.8	1.081	5470	5429	482.1	1.007	5073	5245
#2	.9980	503.1	1.083	5491	5434	484.5	1.007	5079	5267
#3	1.000	494.9	1.088	5456	5400	477.5	1.009	5080	5263
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5779	187.5	.0772	F506.9	5520	.9405	2.269	1.010	1.013
Stddev	.0011	.4	.0161	1.4	.0016	.0044	.0120	.003	.001
%RSD	.1923	.2044	20.86	.2811	.2842	.4697	5.295	.2653	.1382
#1	.5767	187.7	.0815	507.3	.5502	.9365	2.336	1.007	1.014
#2	.5783	187.8	.0594	508.2	.5527	.9399	2.341	1.010	1.011
#3	.5787	187.1	.0907	505.4	.5531	.9452	2.130	1.012	1.013
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.014	1.010	.0609	.9339	1.026	1.004	.9688	.4973	1.024
Stddev	.003	.005	.0009	.0019	.003	.002	.0031	.0005	.004
%RSD	.3164	.5271	1.407	.2019	.2672	.2355	.3193	.0953	.3823
#1	1.011	1.006	.0599	.9335	1.026	1.001	.9661	.4973	1.019
#2	1.013	1.007	.0613	.9323	1.029	1.004	.9722	.4969	1.024
#3	1.017	1.016	.0614	.9360	1.023	1.006	.9681	.4978	1.027
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2279.8	5853.9	48939.	6185.5					
Stddev	3.3	17.7	188.	69.2					
%RSD	.14537	.30184	.38504	1.1187					
#1	2279.5	5872.5	49147.	6201.2					
#2	2276.6	5852.0	48890.	6109.8					
#3	2283.2	5837.3	48780.	6245.5					

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Sample Name: CCV Acquired: 3/8/2016 17:01:03 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2560.9	6329.4	53801.	6466.4
Stddev	2.7	15.2	249.	44.6
%RSD	.10702	.24003	.46349	.69035
#1	2564.0	6346.6	53550.	6482.9
#2	2559.8	6318.0	54049.	6500.5
#3	2558.8	6323.5	53803.	6415.9

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Sample Name: CCV Acquired: 3/8/2016 17:01:03 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2482	39.33	1.993	1.978	1.964	39.82	2.015	2.004	2.021	1.989
Stddev	.0004	.17	.004	.007	.008	.18	.002	.001	.007	.009
%RSD	.1784	.4265	.1973	.3345	.4118	.4486	.1021	.0565	.3522	.4404
#1	2486	39.36	1.989	1.979	1.964	39.82	2.013	2.003	2.028	1.997
#2	2481	39.15	1.992	1.971	1.956	39.64	2.017	2.005	2.014	1.990
#3	2477	39.49	1.997	1.985	1.972	40.00	2.016	2.004	2.020	1.980
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.91	40.24	40.81	2.059	2.016	40.43	2.008	1.991	1.985	2.002
Stddev	.10	.14	.18	.009	.007	.12	.003	.004	.002	.004
%RSD	.2623	.3397	.4426	.4194	.3690	.3074	.1389	.1987	.1179	.2144
#1	39.88	40.22	40.87	2.069	2.007	40.42	2.005	1.992	1.983	1.998
#2	39.82	40.12	40.61	2.056	2.019	40.31	2.010	1.987	1.985	2.003
#3	40.02	40.39	40.96	2.052	2.020	40.56	2.010	1.995	1.987	2.006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										
Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062			
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm			
Avg	1.414	2.025	2.049	2.070	2.007	2.024	2.016			
Stddev	.004	.003	.020	.010	.004	.006	.004			
%RSD	.2509	.1613	.9714	.4939	.2131	.3020	.1805			
#1	1.410	2.022	2.057	2.080	2.002	2.031	2.012			
#2	1.417	2.025	2.026	2.069	2.010	2.019	2.018			
#3	1.414	2.028	2.063	2.060	2.008	2.024	2.018			
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass			
Value										
Range										

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Sample Name: CCB Acquired: 3/8/2016 17:05:03 Type: QC
 Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0116	.0011	.0002	.0001	.0056	.0001	.0001	.0000
Stddev	.0003	.0092	.0003	.0002	.0001	.0018	.0000	.0001	.0000
%RSD	105.3	79.67	25.79	82.20	51.68	32.83	30.14	96.61	173.5
#1	.0003	.0079	.0012	.0004	.0001	.0061	.0001	.0001	.0002
#2	.0001	.0220	.0008	.0003	.0002	.0071	.0001	.0001	-.0002
#3	-.0003	.0048	.0013	.0000	.0001	.0035	.0001	.0000	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0400	-.0286	.0061	.0001	F.0026	.0280	-.0001	.0001
Stddev	.0001	.0065	.0116	.0182	.0001	.0005	.0047	.0001	.0002
%RSD	190.0	16.24	40.53	297.2	61.34	20.59	16.82	84.43	161.1
#1	.0001	.0469	-.0174	.0038	.0002	.0032	.0264	-.0002	.0004
#2	-.0001	.0391	-.0406	.0254	.0000	.0024	.0243	.0000	.0000
#3	.0001	.0340	-.0277	-.0108	.0001	.0022	.0333	-.0001	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-.0010			
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	-.0009	-.0005	.0006	.0001	.0017	.0009	.0002	.0000
Stddev	.0004	.0011	.0002	.0002	.0001	.0001	.0006	.0001	.0001
%RSD	39.01	127.5	33.76	30.37	69.96	5.658	74.38	59.49	125.7
#1	.0009	-.0015	-.0006	.0008	.0001	.0018	.0010	.0001	.0001
#2	.0008	-.0015	-.0003	.0005	.0002	.0018	.0014	.0001	.0000
#3	.0016	.0004	-.0004	.0004	.0000	.0016	.0002	.0003	.0000
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 3/8/2016 17:05:03 Type: QC
Method: 60102007_041712(v851) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2986.1	6568.6	55974.	6442.3
Stddev	3.6	4.9	55.	38.3
%RSD	.11922	.07445	.09911	.59373
#1	2988.5	6572.7	55964.	6398.4
#2	2987.9	6570.0	55924.	6468.3
#3	2982.0	6563.2	56034.	6460.2

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	3	V	-0.009834	0.000000	No
			Fe	-0.000015	0.000000	No
			Mg	0.000008	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.035224	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	5	Fe	-0.000033	0.000000	No
			Cr	-0.000226	0.000000	No
			Mo	-0.000017	0.000000	No
			Al	0.000004	0.000000	No
			Ca	0.000002	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000057	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000115	0.000000	No
			Ti	-0.000059	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000044	0.000000	No
			Ca	0.000001	0.000000	No
			Al	-0.000001	0.000000	No
			Ti	0.000151	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.003012	0.000000	No
			Fe	0.000008	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	3	Al	0.000005	0.000000	No
			Fe	-0.000009	0.000000	No
			Ca	0.000002	0.000000	No
			Fe	-0.000268	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Ca	0.000002	0.000000	No
			Mo	0.000528	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Ti	-0.000251	0.000000	No
			Al	0.000004	0.000000	No
			Mg	0.000047	0.000000	No
			Co	-0.000787	0.000000	No
			Cd	0.000240	0.000000	No
			Fe 259.940 {130}	<input checked="" type="checkbox"/>	None	
In 230.606 {446}*	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	-0.000013	0.000000	No
			Mg	0.000004	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000004	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000039	0.000000	No
			Co	-0.000054	0.000000	No
			Mo	0.000005	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000269	0.000000	No
			Ti	0.000440	0.000000	No
			Al	0.000361	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	9	Fe	-0.000194	0.000000	No
			Mo	-0.001012	0.000000	No
			Cu	0.001070	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000071	0.000000	No
			Ca	-0.000001	0.000000	No
			Cr	0.000050	0.000000	No
			Mg	0.000004	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?			
Sb 206.833 {463}	<input checked="" type="checkbox"/>	10	Fe	0.000022	0.000000	No			
			Cr	0.012140	0.000000	No			
			Mo	-0.004076	0.000000	No			
			V	-0.000611	0.000000	No			
			Sn	-0.010736	0.000000	No			
			Ti	0.000040	0.000000	No			
			Ca	-0.000001	0.000000	No			
			Ni	-0.000438	0.000000	No			
			Mg	-0.000002	0.000000	No			
			Al	0.000003	0.000000	No			
Se 196.090 {472}	<input checked="" type="checkbox"/>	10	Fe	-0.000010	0.000000	No			
			Ca	-0.000001	0.000000	No			
			Mn	0.000574	0.000000	No			
			Mo	0.000111	0.000000	No			
			Al	-0.000010	0.000000	No			
			V	0.000000	0.000000	No			
			Zn	0.000000	0.000000	No			
			Sr	0.000137	0.000000	No			
			As	-0.000032	0.000000	No			
			Be	0.000212	0.000000	No			
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.019120	0.000000	No			
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None							
Sr 407.771 { 83}	<input checked="" type="checkbox"/>	1	Ca	0.000017	0.000000	No			
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000007	0.000000	No			
Ti 190.856 {477}	<input checked="" type="checkbox"/>	11	Co	0.001145	0.000000	No			
			Fe	0.000008	0.000000	No			
			Al	-0.000011	0.000000	No			
			Ba	-0.000051	0.000000	No			
			Ti	-0.002651	0.000000	No			
			Sb	0.000012	0.000000	No			
			Ca	0.000003	0.000000	No			
			Cr	0.000230	0.000000	No			
			Mg	-0.000003	0.000000	No			
			Mn	0.000818	0.000000	No			
			V	-0.038621	0.000000	No			
			V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000019	0.000000	No
						Cr	-0.002590	0.000000	No
						Mo	-0.005797	0.000000	No
Ti	0.000364	0.000000				No			
Mn	-0.000693	0.000000				No			
Y 224.306 {450}* Y 360.073 { 94}* Y 371.030 { 91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5							
Zn 206.200 {463}	<input checked="" type="checkbox"/>	5	Cr	-0.000965	0.000000	No			
			Al	0.000005	0.000000	No			
			Ca	0.000003	0.000000	No			
			Fe	0.000006	0.000000	No			
			As	0.001128	0.000000	No			

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	3/8/2016 10:19:39	3/8/2016 9:32:38	Linear	1/Conc	-0.003629	0.640280	0.000000	1.000000
Al 396.152 { 85}	3/8/2016 10:19:39	3/8/2016 9:32:38	Linear	1/Conc	-0.009128	0.157528	0.000000	1.000000
As 189.042 {478}	3/8/2016 10:19:39	3/8/2016 9:32:38	Linear	1/Conc	-0.000189	0.269525	0.000000	1.000000
Ba 455.403 { 74}	3/8/2016 10:19:39	3/8/2016 9:32:38	Linear	1/Conc	0.006230	12.219922	0.000000	1.000000
Be 313.042 {108}	3/8/2016 10:19:39	3/8/2016 9:32:38	Linear	1/Conc	0.000657	8.912296	0.000000	1.000000
Ca 317.933 {106}	3/8/2016 10:19:39	3/8/2016 9:32:38	Linear	1/Conc	0.003623	0.292715	0.000000	1.000000
Cd 226.502 {449}	3/8/2016 10:19:39	3/8/2016 9:32:38	Linear	1/Conc	-0.000866	5.598971	0.000000	1.000000
Co 228.616 {447}	3/8/2016 10:19:39	3/8/2016 9:32:38	Linear	1/Conc	0.000044	2.611657	0.000000	1.000000
Cr 267.716 {126}	3/8/2016 10:19:39	3/8/2016 9:32:38	Linear	1/Conc	0.000069	0.452190	0.000000	1.000000
Cu 324.754 {104}	3/8/2016 10:19:39	3/8/2016 9:32:38	Linear	1/Conc	0.005378	0.656694	0.000000	1.000000
Fe 259.940 {130}	3/8/2016 10:19:39	3/8/2016 9:32:38	Linear	1/Conc	0.000726	0.195351	0.000000	1.000000
In 230.606 {446}	3/8/2016 10:19:39	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	3/8/2016 10:19:39	3/8/2016 9:32:38	Linear	1/Conc	-0.003326	0.126082	0.000000	1.000000
Mg 279.079 {121}	3/8/2016 10:19:39	3/8/2016 9:32:38	Linear	1/Conc	-0.000493	0.030231	0.000000	1.000000
Mn 257.610 {131}	3/8/2016 10:19:39	3/8/2016 9:32:38	Linear	1/Conc	0.000341	2.954241	0.000000	1.000000
Mo 202.030 {467}	3/8/2016 10:19:39	3/8/2016 9:32:38	Linear	1/Conc	0.000272	1.417100	0.000000	1.000000
Na 589.592 { 57}	3/8/2016 10:19:39	3/8/2016 9:32:38	Linear	1/Conc	-0.047638	0.324989	0.000000	1.000000
Ni 231.604 {445}	3/8/2016 10:19:39	3/8/2016 9:32:38	Linear	1/Conc	-0.000900	1.769762	0.000000	1.000000
Pb 220.353 {453}	3/8/2016 10:19:39	3/8/2016 9:32:38	Linear	1/Conc	-0.001487	1.316713	0.000000	1.000000
Sb 206.833 {463}	3/8/2016 10:19:39	3/8/2016 9:32:38	Linear	1/Conc	0.000166	0.289087	0.000000	1.000000
Se 196.090 {472}	3/8/2016 10:19:39	3/8/2016 9:32:38	Linear	1/Conc	-0.000501	0.189191	0.000000	1.000000
Si 212.412 {459}	3/8/2016 10:19:39	3/8/2016 9:32:38	Linear	1/Conc	0.007374	0.534082	0.000000	1.000000
Sn 189.989 {477}	3/8/2016 10:19:39	3/8/2016 9:32:38	Linear	1/Conc	0.000089	0.613627	0.000000	1.000000
Sr 407.771 { 83}	3/8/2016 10:19:39	3/8/2016 9:32:38	Linear	1/Conc	0.002660	15.266188	0.000000	1.000000
Ti 334.941 {101}	3/8/2016 10:19:39	3/8/2016 9:32:38	Linear	1/Conc	0.000844	1.880627	0.000000	1.000000
Tl 190.856 {477}	3/8/2016 10:19:39	3/8/2016 9:32:38	Linear	1/Conc	-0.003943	0.616228	0.000000	1.000000
V 292.402 {115}	3/8/2016 10:19:39	3/8/2016 9:32:38	Linear	1/Conc	-0.000322	0.678497	0.000000	1.000000
Y 224.306 {450}	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	3/8/2016 10:19:39	3/8/2016 9:32:38	Linear	1/Conc	0.002192	3.353362	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999992	0.000024	0.000361	0.001202	OK	1.000000	0.000000	1	0
Al 396.152 {85}	0.999841	0.004527	0.009082	0.030272	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999906	0.000298	0.000573	0.001910	OK	1.000000	0.000000	1	0
Ba 455.403 {74}	0.999977	0.006682	0.000165	0.000549	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999956	0.006701	0.000066	0.000219	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999884	0.007171	0.002415	0.008049	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999952	0.004405	0.000042	0.000139	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999973	0.001552	0.000096	0.000320	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999967	0.000298	0.000274	0.000912	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999977	0.000353	0.000278	0.000928	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999264	0.012081	0.001941	0.006471	OK	1.000000	0.000000	1	0
In 230.606 {446}	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 {44}	0.999849	0.003526	0.022847	0.076155	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999869	0.000788	0.014801	0.049337	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999649	0.006305	0.000040	0.000133	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999845	0.002012	0.000114	0.000380	OK	1.000000	0.000000	1	0
Na 589.592 {57}	0.999789	0.010768	0.009081	0.030271	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999924	0.001750	0.000143	0.000476	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999855	0.001814	0.000454	0.001513	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999924	0.000286	0.000859	0.002864	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999914	0.000200	0.001252	0.004175	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.980089	0.008881	0.000328	0.001094	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999853	0.000849	0.000210	0.000698	OK	1.000000	0.000000	1	0
Sr 407.771 {83}	0.999920	0.015568	0.000080	0.000268	OK	1.000000	0.000000	1	0
Tl 334.941 {101}	0.999554	0.004526	0.000109	0.000363	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999951	0.000474	0.000618	0.002061	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999917	0.000696	0.000236	0.000786	OK	1.000000	0.000000	1	0
Y 224.306 {450}	0.000000	0.000000	-1.000000	1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 {94}	0.000000	0.000000	-1.000000	1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 {91}	0.000000	0.000000	-1.000000	1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999891	0.003991	0.000051	0.000170	OK	1.000000	0.000000	1	0

Sample Name: Blank Acquired: 4/12/2016 8:18:48 Type: Cal
Method: 60102007_041712(v64) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.012	-0.096	-0.010	.017	-0.001	.0028	-0.007	.0002	.0000
Stddev	.0003	.0012	.0002	.0008	.0006	.0006	.0001	.0003	.0002
%RSD	21.68	12.75	15.53	7.417	1127.	22.63	17.59	173.6	4886.
#1	-0.009	-0.103	-0.009	.0101	-0.007	.0027	-0.005	-0.002	.0002
#2	-0.014	-0.082	-0.009	.0104	.0001	.0034	-0.007	.0005	-0.002
#3	-0.013	-0.103	-0.012	.0116	.0004	.0022	-0.007	.0002	.0000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0151	.0027	-.0068	.0000	.0006	.0017	-.0471	-.0015	-.0052
Stddev	.0002	.0003	.0007	.0001	.0001	.0002	.0017	.0003	.0005
%RSD	1.329	11.98	9.673	765.2	20.96	11.95	3.611	18.63	9.965
#1	.0149	.0030	-.0076	.0001	.0005	.0018	-.0472	-.0017	-.0055
#2	.0153	.0024	-.0067	.0000	.0006	.0018	-.0488	-.0012	-.0046
#3	.0151	.0029	-.0063	.0000	.0007	.0015	-.0454	-.0017	-.0054
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0004	-.0006	.0069	.0000	.0014	.0024	-.0091	-.0011	.0023
Stddev	.0002	.0001	.0003	.0000	.0006	.0002	.0004	.0004	.0002
%RSD	55.02	22.75	4.715	370.9	44.76	9.684	4.092	37.05	7.978
#1	.0006	-.0005	.0068	.0000	.0021	.0026	-.0094	-.0014	.0021
#2	.0005	-.0005	.0066	.0001	.0010	.0025	-.0093	-.0012	.0023
#3	.0002	-.0007	.0073	.0000	.0011	.0021	-.0087	-.0006	.0025
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	1791.1	4759.5	34207.	5707.6					
Stddev	3.5	5.1	262.	33.1					
%RSD	.19731	.10722	.76557	.57982					
#1	1795.0	4765.4	33973.	5670.6					
#2	1788.1	4756.1	34159.	5734.4					
#3	1790.3	4757.0	34490.	5717.8					

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Sample Name: LowStd Acquired: 4/12/2016 8:34:26 Type: Cal
Method: 60102007_041712(v64) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0421	1.670	.1769	6.247	3.927	2.703	3.071	1.358	.2576	.3902
Stddev	.0003	.008	.0006	.023	.006	.005	.004	.003	.0006	.0013
%RSD	.7468	.4752	.3276	.3732	.1427	.1912	.1404	.2228	.2508	.3331
#1	.0422	1.667	.1776	6.221	3.924	2.701	3.076	1.361	.2582	.3900
#2	.0423	1.663	.1766	6.260	3.924	2.700	3.068	1.356	.2569	.3916
#3	.0417	1.678	.1766	6.262	3.934	2.709	3.068	1.355	.2576	.3890
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.875	1.396	.2829	1.764	.6961	3.866	.9552	.7100	.1680	.1357
Stddev	.005	.010	.0007	.005	.0008	.016	.0028	.0006	.0001	.0001
%RSD	.2772	.6875	.2300	.2764	.1180	.4176	.2891	.0790	.0606	.0831
#1	1.870	1.391	.2836	1.770	.6971	3.856	.9583	.7105	.1681	.1357
#2	1.873	1.389	.2824	1.761	.6959	3.858	.9542	.7094	.1680	.1356
#3	1.880	1.407	.2826	1.762	.6955	3.885	.9531	.7101	.1679	.1358
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S			
Avg	2.585	.3162	7.700	1.001	.2911	.3664	2.127			
Stddev	.0004	.0010	.020	.002	.0013	.0003	.004			
%RSD	.1443	.3286	.2633	.2294	.4610	.0720	.1795			
#1	2.588	.3174	7.681	1.003	.2908	.3662	2.131			
#2	2.587	.3155	7.699	.9990	.2926	.3667	2.126			
#3	2.581	.3157	7.721	1.000	.2899	.3664	2.124			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Units	Cts/S	Cts/S	Cts/S	Cts/S						
Avg	1813.5	4795.0	35127.	5831.8						
Stddev	5.4	1.3	90.	25.5						
%RSD	.29626	.02806	.25759	.43762						
#1	1817.5	4793.8	35097.	5818.7						
#2	1807.4	4794.7	35229.	5861.2						
#3	1815.6	4796.4	35055.	5815.6						

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Sample Name: MidStd Acquired: 4/12/2016 8:37:33 Type: Cal
Method: 60102007_041712(v64) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1721	6.386	.7283	25.44	16.17	10.22	12.53	5.594	1.035	1.588
Stddev	.0005	.026	.0037	.06	.05	.04	.04	.022	.002	.002
%RSD	.2772	.4093	.5074	.2365	.2956	.4027	.3408	.3981	.1695	.1221
#1	.1716	6.378	.7251	25.41	16.16	10.21	12.49	5.572	1.034	1.587
#2	.1725	6.365	.7273	25.41	16.12	10.18	12.54	5.595	1.034	1.590
#3	.1722	6.416	.7323	25.51	16.22	10.26	12.57	5.616	1.037	1.587
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6.733	5.310	1.066	7.093	2.846	14.69	3.921	2.949	.6944	.5577
Stddev	.020	.017	.005	.007	.017	.04	.017	.007	.0022	.0015
%RSD	.3014	.3157	.4772	.1037	.6043	.3066	.4244	.2280	.3113	.2625
#1	6.729	5.314	1.065	7.086	2.828	14.69	3.904	2.941	.6921	.5561
#2	6.715	5.292	1.061	7.101	2.846	14.64	3.920	2.951	.6945	.5579
#3	6.755	5.325	1.071	7.093	2.863	14.73	3.937	2.954	.6965	.5590
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S			
Avg	1.056	1.290	31.28	4.071	1.252	1.475	8.582			
Stddev	.005	.005	.07	.008	.003	.001	.030			
%RSD	.4463	.3909	.2181	.1865	.2670	.0915	.3553			
#1	1.052	1.285	31.22	4.064	1.249	1.474	8.553			
#2	1.056	1.290	31.26	4.079	1.252	1.475	8.580			
#3	1.061	1.295	31.35	4.070	1.255	1.476	8.614			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Units	Cts/S	Cts/S	Cts/S	Cts/S						
Avg	1754.5	4653.5	34632.	5662.3						
Stddev	7.6	18.4	89.	37.2						
%RSD	.43462	.39601	.25709	.65612						
#1	1760.5	4670.1	34718.	5648.8						
#2	1757.0	4656.6	34540.	5704.3						
#3	1745.9	4633.6	34639.	5633.8						

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Sample Name: HighStd Acquired: 4/12/2016 8:40:50 Type: Cal
Method: 60102007_041712(v64) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.499	12.61	1.457	50.36	31.42	20.09	24.71	11.17	2.018	3.191
Stddev	.0007	.05	.002	.11	.11	.03	.03	.01	.003	.002
%RSD	.1992	.3717	.1304	.2233	.3399	.1637	.1133	.0872	.1609	.0636
#1	3.497	12.60	1.455	50.40	31.36	20.12	24.69	11.16	2.022	3.190
#2	3.507	12.66	1.456	50.44	31.55	20.09	24.71	11.16	2.016	3.193
#3	3.493	12.56	1.459	50.23	31.37	20.06	24.74	11.18	2.016	3.190
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	13.43	10.14	2.078	13.72	5.709	28.31	7.806	5.929	1.396	1.112
Stddev	.02	.04	.005	.06	.004	.11	.014	.011	.001	.002
%RSD	.1830	.3510	.2426	.4435	.0665	.3787	.1825	.1929	.0557	.2054
#1	13.43	10.16	2.083	13.71	5.707	28.43	7.799	5.919	1.397	1.111
#2	13.45	10.17	2.079	13.78	5.708	28.30	7.796	5.928	1.395	1.111
#3	13.40	10.10	2.073	13.66	5.714	28.21	7.822	5.941	1.397	1.115
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S			
Avg	2.019	2.565	61.30	8.061	2.536	2.905	16.79			
Stddev	.004	.006	.85	.003	.004	.002	.03			
%RSD	.1909	.2246	1.388	.0407	.1712	.0539				

Sample Name: HSTD Acquired: 4/12/2016 8:44:55 Type: QC
 Method: 60102007_041712(v64) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5057	78.76	4.046	3.989	3.952	79.23	4.026	4.048	3.989	4.051
Stddev	.0009	.05	.005	.003	.003	.10	.007	.004	.013	.011
%RSD	.1710	.0651	.1333	.0694	.0628	.1254	.1668	.1110	.3310	.2733
#1	5047	78.80	4.044	3.992	3.952	79.30	4.023	4.047	3.975	4.039
#2	5065	78.77	4.042	3.987	3.954	79.12	4.021	4.045	3.991	4.061
#3	5058	78.70	4.052	3.988	3.949	79.27	4.034	4.054	4.001	4.053

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	79.24	77.17	78.86	3.986	4.062	77.57	4.039	4.051	4.056	4.039
Stddev	.12	.01	.06	.027	.003	.03	.004	.008	.003	.006
%RSD	.1546	.0176	.0763	.6686	.0751	.0325	.0943	.1963	.0788	.1534
#1	79.38	77.17	78.89	3.959	4.062	77.58	4.038	4.056	4.052	4.036
#2	79.22	77.17	78.90	3.986	4.059	77.54	4.036	4.042	4.059	4.035
#3	79.14	77.19	78.79	4.012	4.065	77.58	4.044	4.055	4.057	4.046

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.985	4.033	3.966	4.029	4.059	4.003	4.007
Stddev	.007	.005	.028	.007	.004	.012	.007
%RSD	.1684	.1152	.6942	.1642	.1053	.2887	.1828
#1	3.988	4.030	3.965	4.021	4.061	3.990	4.004
#2	3.977	4.030	3.994	4.033	4.054	4.008	4.001
#3	3.989	4.038	3.939	4.033	4.061	4.012	4.015

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Sample Name: HSTD Acquired: 4/12/2016 8:44:55 Type: QC
 Method: 60102007_041712(v64) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1690.4	4507.4	34315.	5709.2
Stddev	4.8	11.7	167.	26.2
%RSD	.28311	.26043	.48795	.45805
#1	1689.9	4513.3	34460.	5679.0
#2	1695.4	4514.9	34353.	5722.7
#3	1685.8	4493.8	34132.	5725.7

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	79.24	77.17	78.86	3.986	4.062	77.57	4.039	4.051	4.056	4.039
Stddev	.12	.01	.06	.027	.003	.03	.004	.008	.003	.006
%RSD	.1546	.0176	.0763	.6686	.0751	.0325	.0943	.1963	.0788	.1534
#1	79.38	77.17	78.89	3.959	4.062	77.58	4.038	4.056	4.052	4.036
#2	79.22	77.17	78.90	3.986	4.059	77.54	4.036	4.042	4.059	4.035
#3	79.14	77.19	78.79	4.012	4.065	77.58	4.044	4.055	4.057	4.046

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.985	4.033	3.966	4.029	4.059	4.003	4.007
Stddev	.007	.005	.028	.007	.004	.012	.007
%RSD	.1684	.1152	.6942	.1642	.1053	.2887	.1828
#1	3.988	4.030	3.965	4.021	4.061	3.990	4.004
#2	3.977	4.030	3.994	4.033	4.054	4.008	4.001
#3	3.989	4.038	3.939	4.033	4.061	4.012	4.015

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Sample Name: ICV Acquired: 4/12/2016 8:56:13 Type: QC
 Method: 60102007_041712(v64) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2467	41.78	1.981	2.078	2.060	42.92	2.008	2.009	2.025	1.983
Stddev	.0006	.14	.004	.007	.007	.19	.004	.004	.007	.004
%RSD	.2284	.3402	.1807	.3447	.3425	.4350	.1823	.1993	.3267	.2195
#1	2472	41.95	1.985	2.086	2.068	43.10	2.012	2.014	2.018	1.978
#2	2461	41.69	1.978	2.077	2.057	42.93	2.005	2.006	2.031	1.986
#3	2467	41.71	1.979	2.072	2.054	42.72	2.006	2.007	2.026	1.986

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	42.20	42.84	42.93	2.071	1.924	43.14	2.021	2.001	1.991	2.017
Stddev	.13	.17	.21	.004	.003	.20	.003	.003	.007	.007
%RSD	.3144	.3854	.5002	.2144	.1741	.4713	.1505	.1625	.3664	.3392
#1	42.32	42.98	43.00	2.066	1.926	43.34	2.024	2.005	1.998	2.024
#2	42.23	42.89	43.09	2.075	1.920	43.14	2.018	2.000	1.983	2.017
#3	42.06	42.66	42.68	2.072	1.926	42.94	2.021	1.998	1.991	2.010

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0965	2.046	1.964	1.959	2.054	1.926	2.038
Stddev	.0007	.004	.006	.005	.001	.004	.003
%RSD	.7374	.1708	.3267	.2761	.0703	.2224	.1640
#1	.0961	2.049	1.970	1.953	2.054	1.923	2.042
#2	.0961	2.042	1.965	1.962	2.056	1.930	2.036
#3	.0973	2.048	1.957	1.962	2.053	1.924	2.036

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range



Sample Name: ICB Acquired: 4/12/2016 9:05:01 Type: QC
 Method: 60102007_041712(v64) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	-.0003	.0002	.0000	.0000	.0001	.0000	-.0001	.0002	.0002
Stddev	.0003	.0063	.0005	.0001	.0000	.0016	.000	.0001	.0004	.0004
%RSD	44.26	2457.	240.6	396.0	374.0	2010.	159.6	110.3	210.8	282.6
#1	.0003	.0052	.0007	-.0001	.0000	-.0007	.0000	-.0002	-.0003	.0002
#2	.0006	-.0072	.0002	.0000	.0000	-.0010	.0000	-.0001	.0004	-.0003
#3	.0008	.0012	-.0003	.0001	.0001	.0019	.0000	.0000	.0004	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0071	.0204	-.0051	-.0001	-.0002	.0166	.0000	-.0001	.0004	-.0007
Stddev	.0012	.0091	.0053	.0000	.0001	.0028	.0001	.0003	.0004	.0003
%RSD	16.58	44.44	103.4	20.44	88.07	16.66	312.1	235.8	85.95	42.81
#1	-.0059	.0107	-.0085	-.0001	.0000	.0185	-.0001	-.0005	.0000	-.0005
#2	-.0072	.0287	.0010	-.0001	-.0003	.0179	.0002	-.0002	.0007	-.0011
#3	-.0083	.0217	-.0078	-.0001	-.0001	.0135	.0000	.0002	.0006	-.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.0003	.0000	-.0003	-.0006	-.0002	.0001
Stddev	.0005	.0004	.0001	.0002	.0012	.0002	.0001
%RSD	84.69	145.4	961.9	70.28	180.7	126.6	51.05
#1	.0001	.0008	.0001	-.0004	-.0006	-.0003	.0001
#2	.0011	.0001	.0000	-.0001	-.0016	.0001	.0002
#3	.0006	.0000	-.0001	-.0003	-.0010	-.0002	.0001

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 4/12/2016 9:05:01 Type: QC
 Method: 60102007_041712(v64) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1780.0	4736.8	34147.	5811.1
Stddev	3.4	4.9	142.	24.9
%RSD	.19147	.10436	.41502	.42859
#1	1783.9	4733.5	34176.	5839.5
#2	1778.8	4742.5	34272.	5793.1
#3	1777.4	4734.4	33993.	5800.7

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CRIA Acquired: 4/12/2016 9:08:30 Type: QC
 Method: 60102007_041712(v64) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0091	.2111	.0104	.2096	.0052	1.063	.0052	.0511	.0104	.0253
Stddev	.0004	.0048	.0002	.0007	.0001	.003	.0000	.0000	.0001	.0003
%RSD	4.466	2.272	1.528	.3102	1.478	.3003	.4351	.0225	1.351	1.203
#1	.0094	.2159	.0106	.2090	.0052	1.066	.0052	.0511	.0106	.0252
#2	.0092	.2111	.0102	.2103	.0051	1.061	.0052	.0511	.0103	.0250
#3	.0086	.2063	.0104	.2096	.0052	1.061	.0052	.0511	.0103	.0256

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3071	10.64	5.355	.0163	.0482	10.75	.0414	.0052	.0054	.0090
Stddev	.0046	.05	.012	.0001	.0003	.02	.0002	.0002	.0004	.0005
%RSD	1.507	4.997	.2243	.4236	.6475	.1947	.5064	4.733	7.198	5.928
#1	.3023	10.59	5.356	.0162	.0486	10.73	.0416	.0055	.0058	.0086
#2	.3074	10.69	5.343	.0163	.0481	10.76	.0414	.0051	.0052	.0096
#3	.3116	10.62	5.367	.0164	.0480	10.77	.0412	.0050	.0051	.0088

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0104	.0511	.0103	.0098	.0094	.0500	.0222
Stddev	.0005	.0001	.0001	.0001	.0010	.0004	.0000
%RSD	5.271	.2175	.5527	.8939	10.44	.7287	.1789
#1	.0109	.0510	.0103	.0097	.0083	.0496	.0222
#2	.0098	.0511	.0103	.0097	.0098	.0501	.0222
#3	.0106	.0512	.0104	.0098	.0102	.0503	.0223

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 4/12/2016 9:08:30 Type: QC
 Method: 60102007_041712(v64) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1828.3	4855.4	34970.	5801.8
Stddev	3.2	5.9	70.	18.7
%RSD	.17724	.12125	.20086	.32233
#1	1831.9	4859.1	35018.	5821.9
#2	1827.2	4848.6	35001.	5784.9
#3	1825.7	4858.5	34889.	5798.5

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSA Acquired: 4/12/2016 9:13:46 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.006	498.4	-0.001	-0.001	.0000	485.1	.0005	-0.004	-0.008	.0002
Stddev	.0004	5.0	.0004	.0002	.0001	6.5	.0001	.0001	.0003	.0007
%RSD	79.23	.9985	877.6	311.0	105.3	1.332	15.39	30.33	31.53	271.1
#1	-0.001	499.4	.0001	-0.003	.0000	487.8	.0005	-0.004	-0.006	-0.005
#2	-0.006	493.0	.0003	-0.001	.0000	477.8	.0006	-0.004	-0.008	.0008
#3	-0.010	502.8	-0.006	.0002	.0001	489.8	.0004	-0.006	-0.011	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	185.1	.2790	509.7	.0000	.0001	.2213	.0000	.0003	.0000	-0.004
Stddev	.7	.0404	2.9	.000	.0001	.0034	.000	.0010	.001	.0013
%RSD	.3815	14.48	.5736	1432.	102.6	1.558	277.2	400.4	5607.	298.2
#1	185.1	.2430	509.3	.0000	.0000	.2179	.0001	.0008	-0.007	-0.015
#2	184.4	.2713	507.0	.0000	.0002	.2214	-0.001	.0010	.0010	-0.009
#3	185.8	.3226	512.8	-0.001	.0000	.2248	-0.001	-0.009	-0.003	.0010

Check ? Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0804	-0.002	.0000	-0.011	.0000	.0003	-0.016
Stddev	.0003	.0006	.0001	.0003	.001	.0002	.0000
%RSD	.3954	259.8	148.1	23.60	1755.	79.00	1.227
#1	.0801	.0000	.0000	-0.014	-0.005	.0002	-0.016
#2	.0803	-0.009	.0001	-0.009	-0.003	.0005	-0.016
#3	.0808	.0002	.0000	-0.010	.0007	.0001	-0.016

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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9.2 9

Sample Name: ICSA Acquired: 4/12/2016 9:13:46 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1742.6	4456.9	33395.	5515.9
Stddev	1.1	6.1	174.	29.9
%RSD	.06188	.13686	.52200	.54175
#1	1743.7	4463.7	33506.	5527.6
#2	1742.6	4452.0	33194.	5538.2
#3	1741.5	4454.9	33484.	5481.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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Sample Name: ICSAB Acquired: 4/12/2016 9:21:52 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9657	495.4	1.082	.5133	.4881	479.0	.9709	.4934	.5045	.5461
Stddev	.0001	6.4	.000	.0008	.0021	5.6	.0005	.0003	.0013	.0013
%RSD	.0064	1.298	.0209	.1484	.4204	1.159	.0508	.0589	.2613	.2398
#1	.9656	488.3	1.082	.5131	.4860	485.2	.9704	.4935	.5047	.5458
#2	.9657	500.8	1.081	.5126	.4882	477.4	.9711	.4931	.5057	.5476
#3	.9657	497.1	1.082	.5141	.4902	474.4	.9713	.4936	.5031	.5450

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	182.2	.2220	510.8	.5058	.9780	.2077	.9948	.9461	1.035	1.011
Stddev	.5	.0198	1.4	.0002	.0006	.0122	.0013	.0018	.005	.003
%RSD	.2694	8.923	.2787	.0392	.0611	5.885	.1340	.1891	.4412	.2688
#1	181.7	.2424	509.3	.5057	.9774	.2139	.9937	.9441	1.038	1.010
#2	182.3	.2028	511.0	.5061	.9786	.2156	.9963	.9476	1.038	1.008
#3	182.7	.2208	512.1	.5057	.9779	.1936	.9945	.9466	1.030	1.014

Check ? Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1122	.9934	1.017	1.022	.9913	.4731	.9551
Stddev	.0007	.0017	.001	.001	.0028	.0007	.0013
%RSD	.5817	.1685	.0845	.0773	.2815	.1378	.1362
#1	.1119	.9953	1.016	1.021	.9885	.4737	.9536
#2	.1130	.9922	1.017	1.021	.9941	.4724	.9559
#3	.1118	.9928	1.018	1.023	.9913	.4732	.9557

Check ? None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: ICSAB Acquired: 4/12/2016 9:21:52 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1721.6	4455.1	33474.	5552.3
Stddev	3.4	3.0	75.	43.5
%RSD	.19933	.06809	.22517	.78392
#1	1724.2	4458.6	33450.	5598.5
#2	1717.7	4453.2	33414.	5546.4
#3	1722.8	4453.5	33558.	5512.1

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: CCV Acquired: 4/12/2016 9:28:41 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.492	39.81	2.010	2.015	1.999	40.24	2.005	1.996	2.033	1.983
Stddev	.0003	.22	.002	.009	.005	.20	.003	.001	.002	.003
%RSD	.1184	.5255	.1170	.4643	.2535	.5069	.1413	.0698	.0892	.1284
#1	2.491	39.56	2.012	2.005	1.994	40.04	2.004	1.996	2.034	1.984
#2	2.490	39.99	2.008	2.023	2.004	40.45	2.009	1.997	2.033	1.980
#3	2.495	39.87	2.011	2.016	2.001	40.24	2.003	1.995	2.031	1.985

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.29	40.48	40.07	2.041	1.997	40.94	2.008	1.987	2.000	2.011
Stddev	.13	.15	.09	.001	.002	.24	.002	.004	.006	.004
%RSD	.3352	.3604	.2190	.0593	.0760	.5871	.0878	.1959	.3030	.1765
#1	39.16	40.36	39.97	2.041	1.995	40.73	2.007	1.983	2.001	2.009
#2	39.42	40.64	40.13	2.042	1.998	41.20	2.009	1.990	1.994	2.010
#3	39.29	40.43	40.12	2.040	1.998	40.88	2.006	1.987	2.006	2.015

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.067	2.013	2.024	2.014	1.987	2.015	2.014
Stddev	.001	.001	.006	.002	.001	.004	.003
%RSD	.0377	.0508	.3180	.1211	.0499	.2069	.1424
#1	2.066	2.012	2.019	2.012	1.986	2.019	2.013
#2	2.067	2.014	2.031	2.014	1.988	2.011	2.017
#3	2.067	2.012	2.022	2.017	1.988	2.014	2.011

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 4/12/2016 9:28:41 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1762.7	4663.9	3475.4	5707.3
Stddev	6.4	9.8	89.	21.2
%RSD	.36071	.20986	.25486	.37131
#1	1768.5	4672.6	34728.	5731.7
#2	1755.9	4653.3	34681.	5693.2
#3	1763.7	4665.7	34852.	5697.1

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.29	40.48	40.07	2.041	1.997	40.94	2.008	1.987	2.000	2.011
Stddev	.13	.15	.09	.001	.002	.24	.002	.004	.006	.004
%RSD	.3352	.3604	.2190	.0593	.0760	.5871	.0878	.1959	.3030	.1765
#1	39.16	40.36	39.97	2.041	1.995	40.73	2.007	1.983	2.001	2.009
#2	39.42	40.64	40.13	2.042	1.998	41.20	2.009	1.990	1.994	2.010
#3	39.29	40.43	40.12	2.040	1.998	40.88	2.006	1.987	2.006	2.015

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.067	2.013	2.024	2.014	1.987	2.015	2.014
Stddev	.001	.001	.006	.002	.001	.004	.003
%RSD	.0377	.0508	.3180	.1211	.0499	.2069	.1424
#1	2.066	2.012	2.019	2.012	1.986	2.019	2.013
#2	2.067	2.014	2.031	2.014	1.988	2.011	2.017
#3	2.067	2.012	2.022	2.017	1.988	2.014	2.011

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCB Acquired: 4/12/2016 9:37:05 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0001	.0003	.0001	.0000	.0022	.0000	.0000
Stddev	.0006	.0001	.0001	.0001	.0000	.0028	.000	.000
%RSD	176.7	177.0	30.48	202.0	185.0	128.5	323.6	668.6
#1	.0002	.0000	.0003	.0001	.0000	.0046	.0000	-.0001
#2	.0011	.0000	.0002	.0001	.0000	.0028	-.0001	.0001
#3	-.0002	.0002	.0002	-.0001	.0001	-.0009	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0000	-.0022	.0298	-.0095	.0000	-.0004	.0139
Stddev	.0003	.0003	.0037	.0091	.0300	.000	.0000	.0120
%RSD	250.4	2619.	169.9	30.68	317.5	163.2	8.059	86.74
#1	.0002	.0003	.0000	.0403	.0001	.0000	-.0003	.0261
#2	.0004	-.0002	-.0064	.0256	-.0431	-.0001	-.0004	.0020
#3	-.0002	-.0001	-.0001	.0235	.0146	-.0001	-.0004	.0135

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	F-.0013	.0003	-.0005	.0004	-.0001	.0000	-.0002
Stddev	.0003	.0002	.0011	.0006	.0003	.0000	.0000	.0000
%RSD	384.4	12.91	353.2	109.9	67.33	79.19	104.2	5.007
#1	.0000	-.0015	-.0007	-.0003	.0002	-.0001	.0000	-.0002
#2	.0004	-.0011	.0015	-.0001	.0008	.0000	.0000	-.0002
#3	-.0002	-.0014	.0002	-.0012	.0004	-.0001	.0000	-.0002

Check ? Chk Pass Chk Fail Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/12/2016 9:37:05 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	-.0014	.0000	.0002
Stddev	.0012	.0001	.0001
%RSD	81.92	698.1	28.53
#1	-.0001	-.0001	.0003
#2	-.0022	.0002	.0002
#3	-.0019	.0000	.0002

Check ? Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1789.2	4731.2	3431.1	5740.5
Stddev	1.4	8.2	180.	4.5
%RSD	.07869	.17393	.52493	.07882
#1	1790.0	4733.8	34251.	5745.7
#2	1790.1	4737.9	34169.	5738.3
#3	1787.6	4722.0	34514.	5737.5

Check ? Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: FA32898-3 Acquired: 4/12/2016 9:41:48 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 2.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	
Avg	.0166	273.4	.0666	.1076	.0019	16.87	-.0016	.0040	.6926	.0835	
Stddev	.0010	1.4	.0003	.0004	.0001	.03	.0004	.0002	.0001	.0006	
%RSD	6.285	.5194	.5070	.3781	5.271	.1548	22.83	6.178	.0184	.7473	
#1	.0154	274.5	.0669	.1078	.0019	16.87	-.0015	.0038	.6925	.0842	
#2	.0172	271.8	.0662	.1072	.0018	16.84	-.0012	.0039	.6925	.0832	
#3	.0173	273.9	.0666	.1079	.0019	16.89	-.0020	.0043	.6927	.0831	
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	
Avg	454.5	6.848	3.761	.0843	.0253	6.143	.0335	.2148	-.0043	.0078	
Stddev	1.9	.044	.080	.0001	.0003	.0203	.0003	.0011	.0030	.0017	
%RSD	.4224	.6382	2.138	.0635	1.104	3.304	.9206	.4990	69.98	22.16	
#1	456.1	6.866	3.823	.0842	.0251	5.910	.0333	.2136	-.0009	.0077	
#2	452.4	6.798	3.670	.0843	.0252	6.285	.0339	.2156	-.0067	.0096	
#3	455.1	6.880	3.790	.0843	.0256	6.233	.0333	.2151	-.0051	.0061	
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062				
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)				
Avg	8.977	.0256	.0798	1.191	-.0112	1.174	1.005				
Stddev	.017	.0008	.0003	.001	.0032	.000	.0003				
%RSD	.1883	3.098	.3546	.1134	28.63	.0357	.3018				
#1	8.982	.0254	.0801	1.190	-.0080	1.174	1.003				
#2	8.958	.0264	.0795	1.192	-.0113	1.175	1.003				
#3	8.991	.0249	.0797	1.192	-.0144	1.174	1.008				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710							
Avg	1906.0	4822.6	35053.	5880.6							
Stddev	7.9	12.7	120.	19.6							
%RSD	.41327	.26356	.34252	.33377							
#1	1910.5	4828.3	35185.	5872.6							
#2	1910.6	4831.5	34950.	5902.9							
#3	1896.9	4808.1	35024.	5866.2							

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Sample Name: FA32898-6 Acquired: 4/12/2016 9:45:49 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 2.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	
Avg	.0111	323.9	.0529	.2442	.0018	26.41	-.0016	.0075	.4632	.0795	
Stddev	.0011	1.0	.0008	.0005	.0001	.09	.0003	.0001	.0010	.0004	
%RSD	9.952	.3064	1.490	.2237	5.145	.3424	16.63	1.651	.2255	.4797	
#1	.0107	324.8	.0524	.2447	.0018	26.48	-.0015	.0076	.4624	.0799	
#2	.0124	322.9	.0538	.2436	.0019	26.31	-.0015	.0074	.4643	.0791	
#3	.0103	324.0	.0525	.2441	.0017	26.45	-.0020	.0074	.4628	.0794	
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	
Avg	421.7	6.330	5.478	.1988	.0110	5.721	.0385	.1724	-.0052	.0091	
Stddev	1.2	.084	.034	.0003	.0005	.0200	.0002	.0032	.0013	.0012	
%RSD	.2846	1.326	.6231	.1322	4.949	.3419	.4596	1.853	25.85	13.28	
#1	422.8	6.412	5.517	.1986	.0115	5.736	.0385	.1759	-.0057	.0078	
#2	420.5	6.334	5.468	.1986	.0111	5.699	.0383	.1717	-.0037	.0102	
#3	421.9	6.244	5.451	.1991	.0104	5.727	.0387	.1696	-.0062	.0091	
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062				
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)				
Avg	9.928	.0273	.1319	.7663	-.0095	.5745	.0997				
Stddev	.020	.0004	.0003	.0018	.0007	.0008	.0003				
%RSD	.2019	1.397	.1922	.2319	6.852	1.452	.2850				
#1	9.949	.0278	.1318	.7683	-.0091	.5737	.1000				
#2	9.909	.0270	.1322	.7658	-.0093	.5746	.0998				
#3	9.926	.0272	.1318	.7649	-.0103	.5753	.0994				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710							
Avg	1904.0	4874.8	35492.	5930.8							
Stddev	5.6	11.6	243.	53.9							
%RSD	.29373	.23749	.68480	.90919							
#1	1897.6	4861.8	35619.	5874.3							
#2	1908.1	4883.9	35646.	5936.6							
#3	1906.3	4878.6	35212.	5981.7							

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Sample Name: FA32898-7 Acquired: 4/12/2016 9:49:49 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 2.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	
Avg	.0132	264.5	.0769	.1372	.0021	96.82	-.0018	.0049	.6230	.0860	
Stddev	.0007	.8	.0012	.0005	.0002	.13	.0001	.0001	.0009	.0005	
%RSD	5.329	.2840	1.570	.3385	8.457	.1340	7.079	2.013	.1421	.5294	
#1	.0124	265.3	.0772	.1376	.0019	96.88	-.0018	.0049	.6234	.0865	
#2	.0132	263.9	.0756	.1372	.0021	96.67	-.0019	.0048	.6220	.0858	
#3	.0138	264.3	.0780	.1367	.0022	96.91	-.0016	.0050	.6236	.0856	
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	
Avg	437.9	6.949	7.615	.3196	.0120	1.015	.0380	.2158	-.0055	.0076	
Stddev	.3	.023	.022	.0003	.0005	.011	.0005	.0010	.0017	.0004	
%RSD	.0703	.3341	.2832	.0819	4.461	1.034	1.349	.4508	31.22	5.356	
#1	438.0	6.962	7.607	.3193	.0117	1.003	.0381	.2169	-.0057	.0071	
#2	437.6	6.922	7.597	.3198	.0116	1.020	.0374	.2149	-.0072	.0078	
#3	438.2	6.962	7.639	.3197	.0126	1.022	.0384	.2157	-.0037	.0078	
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062				
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)				
Avg	10.79	.0250	.2740	1.592	-.0077	.7710	1.122				
Stddev	.02	.0008	.0007	.005	.0020	.0022	.0004				
%RSD	.1453	3.014	.2693	.3171	25.78	.2884	.3789				
#1	10.78	.0257	.2736	1.588	-.0095	.7712	1.119				
#2	10.79	.0250	.2748	1.598	-.0079	.7687	1.120				
#3	10.81	.0242	.2735	1.592	-.0056	.7731	1.127				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710							
Avg	1907.2	4870.5	35559.	5926.5							
Stddev	7.8	6.2	278.	60.2							
%RSD	.40865	.12814	.78098	1.0160							
#1	1900.4	4869.6	35779.	5920.0							
#2	1915.7	4877.1	35652.	5989.7							
#3	1905.3	4864.7	35247.	5869.8							

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Sample Name: FA32898-8 Acquired: 4/12/2016 9:53:51 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 2.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0160	272.5	.1106	.1560	.0018	14.35	-.0019	.0043	.6404	.0880
Stddev	.0004	.5	.0017	.0000	.0003	.01	.0001	.0002	.0029	.0005
%RSD	2.756	.1922	1.540	.0302	17.25	.0496	7.665	4.911	.4551	.5627
#1	.0163	273.1	.1087	.1560	.0016	14.34	-.0021	.0042	.6391	.0886
#2	.0162	272.2	.1119	.1560	.0021	14.35	-.0019	.0046	.6384	.0876
#3	.0155	272.1	.1111	.1560	.0016	14.36	-.0018	.0043	.6437	.0879
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	446.7	8.421	5.598	.0913	.0180	4.294	.0306	.1682	-.0055	.0129
Stddev	.3	.011	.033	.0001	.0003	.0029	.0005	.0012	.0008	.0050
%RSD	.0571	.1327	.5971	.1039	1.539	.6791	1.597	.7041	15	

Sample Name: FA32898-9 Acquired: 4/12/2016 9:57:52 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0165	280.3	.1226	.2567	.0029	13.28	-.0001	.0400	.6861	.1241
Stddev	.0003	1.2	.0012	.0007	.0000	.03	.0003	.0005	.0014	.0019
%RSD	1.649	.4414	.9401	.2535	.4811	.2085	339.8	1.200	.1984	1.559
#1	.0167	281.3	.1228	.2574	.0029	13.30	-.0004	.0399	.6848	.1254
#2	.0162	280.8	.1213	.2565	.0029	13.30	.0001	.0395	.6860	.1219
#3	.0167	278.9	.1236	.2562	.0029	13.25	.0001	.0405	.6875	.1250
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	636.7	6.428	5.561	.3031	.0194	.3486	.0365	.2090	-.0044	.0149
Stddev	4.5	.022	.050	.0005	.0003	.0249	.0001	.0017	.0015	.0020
%RSD	.7077	.3476	.9064	.1539	1.609	7.157	.2124	.8303	33.57	13.24
#1	641.1	6.402	5.508	.3034	.0197	.3358	.0365	.2076	-.0029	.0133
#2	632.1	6.444	5.609	.3032	.0191	.3773	.0365	.2085	-.0045	.0171
#3	636.8	6.437	5.567	.3025	.0195	.3326	.0366	.2110	-.0058	.0142
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	8.269	.0257	.0731	.8609	-.0079	.8178	.2338			
Stddev	.005	.0007	.0004	.0018	.0027	.0023	.0002			
%RSD	.0558	2.709	.6007	.2107	34.39	.2808	.1011			
#1	8.264	.0254	.0736	.8613	-.0076	.8182	.2336			
#2	8.272	.0252	.0730	.8625	-.0054	.8153	.2339			
#3	8.272	.0265	.0727	.8590	-.0108	.8199	.2340			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1952.5	4909.4	35781.	5922.6						
Stddev	7.2	14.3	162.	18.5						
%RSD	.37131	.29046	.45153	.31156						
#1	1960.7	4924.2	35939.	5903.2						
#2	1949.9	4895.7	35616.	5924.6						
#3	1946.8	4908.2	35786.	5939.9						

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Sample Name: FA32901-5 Acquired: 4/12/2016 10:02:01 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0050	32.17	.0358	.3186	.0020	4245.	-.0037	.0057	.2200	.0404
Stddev	.0020	.13	.0059	.0006	.0001	13.	.0008	.0009	.0036	.0004
%RSD	39.50	.4059	16.40	.1893	7.394	.2954	20.91	16.20	1.634	1.064
#1	.0033	32.32	.0291	.3180	.0019	4249.	-.0042	.0053	.2162	.0407
#2	.0071	32.09	.0397	.3192	.0022	4231.	-.0028	.0067	.2205	.0407
#3	.0044	32.10	.0387	.3187	.0020	4254.	-.0042	.0049	.2233	.0399
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	63.74	1.578	28.97	1.347	-.0105	2.361	.0778	.1548	.0038	.0059
Stddev	.21	.054	.35	.001	.0006	.048	.0014	.0031	.0141	.0173
%RSD	.3317	3.399	1.208	.0950	5.957	2.044	1.794	1.975	369.3	290.9
#1	63.89	1.548	28.99	1.348	-.0112	2.356	.0775	.1515	.0132	.0238
#2	63.84	1.546	28.61	1.346	-.0099	2.316	.0793	.1556	-.0124	-.0106
#3	63.50	1.640	29.31	1.347	-.0104	2.412	.0765	.1574	.0107	.0046
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	4.542	.0211	12.07	.2389	.0081	.0907	.2016			
Stddev	.026	.0012	.02	.0061	.0128	.0052	.0010			
%RSD	.5733	5.881	.1930	2.533	157.2	5.681	.4963			
#1	4.564	.0205	12.06	.2324	.0023	.0937	.2025			
#2	4.513	.0203	12.09	.2443	-.0007	.0847	.2005			
#3	4.549	.0226	12.04	.2401	.0228	.0936	.2018			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1791.5	4743.4	35217.	5677.6						
Stddev	2.3	10.3	118.	47.2						
%RSD	.12927	.21640	.33428	.83129						
#1	1789.3	4732.4	35082.	5673.9						
#2	1791.4	4752.8	35292.	5726.6						
#3	1793.9	4744.9	35278.	5632.4						

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Sample Name: FA32998-5 Acquired: 4/12/2016 10:06:13 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 4.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0030	10.05	.0094	.1023	.0009	1205.	.0000	.0014	.0398	.0229
Stddev	.0005	.02	.0005	.0007	.0003	3.	.0001	.0003	.0008	.0006
%RSD	16.41	.2145	5.104	.6612	31.79	.2370	381.0	20.89	2.115	2.766
#1	.0035	10.02	.0098	.1015	.0008	1207.	.0001	.0016	.0397	.0221
#2	.0030	10.06	.0096	.1028	.0006	1202.	.0000	.0011	.0390	.0232
#3	.0025	10.07	.0089	.1025	.0012	1205.	-.0001	.0013	.0406	.0232
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	11.36	.9175	3.808	.1467	-.0041	9.900	.0117	.0864	-.0016	-.0001
Stddev	.01	.0631	.130	.0003	.0004	.014	.0003	.0017	.0039	.0050
%RSD	.1318	6.881	3.401	.2058	10.87	.1425	2.975	1.915	250.9	5805.
#1	11.35	.8529	3.903	.1467	-.0040	9.885	.0117	.0883	.0006	.0018
#2	11.37	.9204	3.661	.1471	-.0037	9.913	.0113	.0851	-.0061	.0037
#3	11.35	.9791	3.861	.1465	-.0046	9.902	.0120	.0858	.0008	-.0058
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	3.154	.0169	4.987	.1858	.0018	.0247	.2731			
Stddev	.035	.0011	.002	.0068	.0024	.0002	.0001			
%RSD	1.105	6.792	.0373	3.660	133.0	1.004	.0509			
#1	3.189	.0180	4.987	.1882	-.0010	.0247	.2732			
#2	3.155	.0157	4.989	.1911	.0033	.0245	.2730			
#3	3.119	.0171	4.986	.1781	.0032	.0250	.2730			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1807.6	4828.9	35457.	5752.9						
Stddev	1.9	3.4	121.	41.5						
%RSD	.10349	.07109	.34130	.72064						
#1	1806.4	4824.9	35442.	5755.9						
#2	1806.6	4830.8	35584.	5792.8						
#3	1809.7	4831.0	35344.	5710.0						

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Sample Name: CCV Acquired: 4/12/2016 10:10:24 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2503	39.66	2.008	2.021	1.985	40.19	2.015	2.003	2.036	1.995
Stddev	.0006	.05	.002	.003	.005	.06	.001	.000	.005	.002
%RSD	.2362	.1224	.0811	.1449	.2593	.1392	.0558	.0186	.2687	.1171
#1	2502	39.66	2.007	2.023	1.988	40.24	2.014	2.003	2.042	1.993
#2	2510	39.61	2.010	2.018	1.979	40.13	2.016	2.004	2.033	1.997
#3	2498	39.71	2.009	2.022	1.988	40.21	2.014	2.003	2.032	1.995
Check ?	Chk	PassChk	PassChk	PassChk	PassChk	PassChk	PassChk	PassChk	PassChk	PassChk
Value										
Range										
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.03	40.58	40.06	2.059	2.000	41.16	2.010	2.004	1.997	2.005
Stddev	.12	.10	.19	.002	.003	.09</				

Sample Name: CCV Acquired: 4/12/2016 10:10:24 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1758.8	4676.1	34630.	5681.8
Stddev	8.0	13.4	58.	10.3
%RSD	.45667	.28635	.16843	.18115
#1	1768.1	4691.4	34621.	5691.7
#2	1754.7	4667.1	34692.	5682.7
#3	1753.7	4669.7	34577.	5671.1

Sample Name: CCB Acquired: 4/12/2016 10:14:19 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0139	.0005	.0001	.0001	.0042	.0000	.0000	.0000
Stddev	.0002	.0072	.0004	.0002	.0000	.0029	.0001	.0000	.0001
%RSD	76.85	51.70	89.01	201.3	11.55	70.07	404.4	76.88	362.0
#1	.0003	.0214	.0005	.0001	.0001	.0015	.0001	.0000	.0001
#2	.0001	.0071	.0009	.0001	.0001	.0037	.0000	.0000	.0001
#3	.0004	.0131	.0001	.0003	.0001	.0073	.0000	.0000	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0148	.0612	-.0033	.0000	F.0013	.0099	.0000	-.0006
Stddev	.0001	.0048	.0201	.0050	.0000	.0004	.0071	.0002	.0006
%RSD	114.1	32.17	32.79	149.0	72.54	31.11	71.57	643.3	95.30
#1	.0001	.0189	.0772	-.0086	.0000	.0018	.0157	-.0001	.0000
#2	.0000	.0160	.0677	.0013	.0000	.0012	.0020	.0002	-.0011
#3	.0002	.0096	.0387	-.0027	.0001	.0010	.0121	-.0001	-.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0008	.0007	.0001	.0000	.0003	-.0015	.0003	.0002
Stddev	.0002	.0002	.0002	.0000	.0001	.0001	.0009	.0004	.0000
%RSD	174.2	19.94	30.23	36.64	898.1	17.86	57.26	129.4	19.10
#1	.0001	.0009	.0008	.0001	.0001	.0004	-.0012	-.0001	.0002
#2	-.0001	.0006	.0008	.0001	.0000	.0003	-.0009	.0005	.0002
#3	-.0004	.0008	.0004	.0002	-.0001	.0003	-.0025	.0004	.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/12/2016 10:14:19 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1781.8	4736.5	34219.	5625.7
Stddev	4.1	3.7	297.	16.0
%RSD	.22747	.07754	.86803	.28426
#1	1784.0	4740.2	34012.	5618.6
#2	1777.1	4732.8	34086.	5644.1
#3	1784.3	4736.4	34559.	5614.6

Sample Name: CCV Acquired: 4/12/2016 12:07:08 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2535	41.15	2.058	2.063	2.035	40.94	2.047	2.037	2.085	2.019
Stddev	.0008	.20	.002	.005	.006	.14	.005	.004	.002	.003
%RSD	.3121	4856	.0762	.2413	.2810	.3527	.2442	.2033	.1074	.1285
#1	.2538	41.36	2.060	2.069	2.041	41.11	2.052	2.042	2.086	2.021
#2	.2541	40.96	2.057	2.059	2.029	40.84	2.046	2.036	2.085	2.019
#3	.2526	41.13	2.058	2.062	2.034	40.88	2.043	2.034	2.082	2.016

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.52	41.61	40.68	2.071	2.044	42.07	2.059	2.025	2.047	2.063
Stddev	.10	.18	.22	.003	.003	.15	.003	.008	.001	.002
%RSD	.2486	.4345	.5435	.1396	.1223	.3650	.1612	.4029	.0673	.0711
#1	39.60	41.81	40.69	2.074	2.042	42.24	2.063	2.032	2.049	2.064
#2	39.41	41.46	40.45	2.071	2.042	41.96	2.058	2.027	2.046	2.064
#3	39.55	41.57	40.89	2.068	2.047	42.01	2.056	2.016	2.046	2.062

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.108	2.072	2.050	2.037	2.018	2.063	2.069
Stddev	.002	.006	.004	.002	.007	.002	.008
%RSD	.1142	.2819	.2025	.1001	.3249	.1040	.3899
#1	2.107	2.079	2.054	2.039	2.025	2.065	2.078
#2	2.107	2.068	2.045	2.035	2.018	2.063	2.066
#3	2.111	2.070	2.051	2.036	2.012	2.060	2.063

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/12/2016 12:07:08 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1738.3	4579.9	34431.	5566.7
Stddev	8.1	14.1	145.	24.9
%RSD	.46327	.30884	.42225	.44674
#1	1729.6	4563.6	34277.	5539.9
#2	1739.6	4586.7	34451.	5589.0
#3	1745.5	4589.3	34566.	5571.2

Sample Name: CCB Acquired: 4/12/2016 12:15:50 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0017	.0005	.0000	.0001	.0035	.0000	-.0001	.0002	.0003
Stddev	.0006	.0067	.0002	.0001	.0000	.0013	.000	.0002	.0002	.0002
%RSD	225.5	389.5	40.44	554.1	23.71	35.91	278.6	207.8	100.8	59.52
#1	.0005	.0019	.0004	.0001	.0001	.0030	.0000	.0000	.0000	.0004
#2	-.0004	.0084	.0007	.0000	.0001	.0049	.0000	-.0003	.0002	.0001
#3	.0007	-.0051	.0004	.0000	.0001	.0026	.0000	.0000	.0003	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0046	.0097	-.0145	.0000	-.0008	-.0001	-.0001	.0002	.0007	-.0003
Stddev	.0007	.0275	.0147	.000	.0000	.0086	.0003	.0002	.0012	.0019
%RSD	15.63	283.7	101.3	203.0	3.889	9062.	301.6	99.34	178.4	616.3
#1	-.0038	.0174	-.0101	-.0001	-.0008	-.0096	-.0003	.0002	.0021	-.0025
#2	-.0051	-.0209	-.0308	-.0001	-.0008	.0072	.0002	.0005	-.0002	.0008
#3	-.0049	.0326	-.0025	.0001	-.0008	.0021	-.0002	.0000	.0001	.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	-.0002	.0000	-.0005	-.0016	.0000	.0002
Stddev	.0001	.0002	.0001	.0002	.0003	.000	.0000
%RSD	10.55	125.4	313.4	28.53	20.31	212.5	8.788
#1	.0007	-.0004	.0000	-.0004	-.0019	.0001	.0002
#2	.0008	-.0001	.0000	-.0005	-.0012	-.0001	.0002
#3	.0009	.0000	.0001	-.0007	-.0017	-.0001	.0002

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/12/2016 12:15:50 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1780.6	4712.4	34172.	5612.7
Stddev	2.1	11.4	33.	72.6
%RSD	.12067	.24197	.09765	1.2936
#1	1783.1	4710.8	34197.	5592.2
#2	1779.5	4724.6	34185.	5693.3
#3	1779.3	4701.9	34134.	5552.5

Sample Name: MP30231-MB1 Acquired: 4/12/2016 12:23:05 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0125	-.0003	.0000	.0000	.0070	.0000	-.0001	.0000	-.0003
Stddev	.0002	.0072	.0001	.000	.000	.0010	.000	.0001	.000	.0003
%RSD	51.05	57.18	31.84	1002.	1372.	13.90	46.89	145.9	6605.	114.0
#1	.0006	.0043	-.0002	-.0002	.0000	.0066	.0000	-.0001	.0000	-.0001
#2	.0004	.0176	-.0004	.0000	.0000	.0081	.0000	.0000	.0001	-.0006
#3	.0002	.0156	-.0003	.0002	.0000	.0063	-.0001	-.0001	-.0001	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0091	.0034	-.0196	.0000	-.0006	.0070	-.0003	-.0008	.0004	-.0013
Stddev	.0015	.0237	.0158	.000	.0001	.0105	.0002	.0005	.0013	.0006
%RSD	16.74	704.9	80.81	217.5	14.18	149.6	47.42	66.40	304.7	49.04
#1	-.0092	.0265	-.0276	.0000	-.0005	-.0015	-.0003	-.0002	-.0009	-.0017
#2	-.0105	-.0208	-.0014	.0000	-.0007	.0187	-.0005	-.0010	.0017	-.0006
#3	-.0075	.0044	-.0298	.0000	-.0007	.0038	-.0002	-.0012	.0005	-.0016

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0108	-.0003	-.0001	-.0006	-.0031	.0001	.0004
Stddev	.0007	.0003	.0001	.0001	.0003	.0004	.0000
%RSD	6.566	89.14	107.0	22.44	9.420	466.0	4.566
#1	.0100	-.0007	-.0001	-.0006	-.0034	.0004	.0004
#2	.0110	-.0002	.0000	-.0004	-.0029	.0001	.0004
#3	.0113	-.0001	-.0001	-.0007	-.0029	-.0003	.0004

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30231-MB1 Acquired: 4/12/2016 12:23:05 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1765.4	4705.8	3425.4	5630.0
Stddev	5.9	17.0	15.1	36.8
%RSD	.33229	.36092	.44195	.65295
#1	1765.0	4711.0	3416.3	5599.5
#2	1771.4	4719.6	3442.9	5619.6
#3	1759.7	4686.9	3417.0	5670.8

Sample Name: MP30231-B1 Acquired: 4/12/2016 12:27:13 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm
Avg	F-.0001	F.0206	F.0022	F-.0003	F.0000	F-.0041	F.0001	F-.0001
Stddev	.0001	.0033	.0001	.0000	.000	.0018	.0000	.0001
%RSD	95.02	15.78	4.651	12.21	67.74	44.33	8.468	113.4
#1	-.0001	.0234	.0022	-.0003	.0000	-.0044	.0001	-.0001
#2	-.0003	.0170	.0023	-.0003	-.0001	-.0022	.0001	-.0001
#3	.0000	.0215	.0021	-.0003	.0000	-.0058	.0001	.0000
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.0500	27.00	2.000	2.000	.0500	25.00	.0500	.5000
Range	-20.00%	-20.00%	-20.00%	-20.00%	-20.00%	-20.00%	-20.00%	-20.00%
Elem Units	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm
Avg	F-.0002	F-.0127	F-.0159	F.0049	F-.0073	F-.0002	F-.0012	F.0195
Stddev	.0001	.0001	.0016	.0162	.0080	.0000	.0001	.0046
%RSD	88.05	.7083	10.06	329.7	109.9	5.678	6.755	23.77
#1	-.0001	-.0128	-.0166	.0038	-.0141	-.0002	-.0013	.0141
#2	-.0003	-.0126	-.0170	-.0107	-.0091	-.0001	-.0013	.0221
#3	-.0001	-.0126	-.0141	.0217	.0015	-.0002	-.0011	.0222
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.2000	.2500	26.00	25.00	25.00	.5000	.5000	25.00
Range	-20.00%	-20.00%	-20.00%	-20.00%	-20.00%	-20.00%	-20.00%	-20.00%
Elem Units	Ni2316 ppm	Pb2203 ppm	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm
Avg	F.0004	F.0018	F-.0006	F.0011	-.0080	F-.0001	-.0001	-.0010
Stddev	.0000	.0002	.0003	.0005	.0001	.0002	.0000	.0000
%RSD	10.86	11.68	52.42	47.71	1.185	131.6	48.31	3.191
#1	.0005	.0019	-.0003	.0011	-.0080	-.0003	.0000	-.0010
#2	.0004	.0019	-.0006	.0016	-.0080	.0000	-.0001	-.0011
#3	.0005	.0015	-.0010	.0006	-.0079	-.0001	-.0001	-.0010
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail	None	None
Value	.5000	.5000	.5000	2.000		.5000		
Range	-20.00%	-20.00%	-20.00%	-20.00%		-20.00%		

Sample Name: MP30231-B1 Acquired: 4/12/2016 12:27:13 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem Units	Tl1908 ppm	V_2924 ppm	Zn2062 ppm	
Avg	F.0077	F.0012	F-.0003	
Stddev	.0001	.0001	.0000	
%RSD	1.864	9.992	8.077	
#1	.0077	.0013	-.0003	
#2	.0076	.0013	-.0003	
#3	.0078	.0011	-.0003	
Check ?	Chk Fail	Chk Fail	Chk Fail	
Value	2.000	.5000	.5000	
Range	-20.00%	-20.00%	-20.00%	
Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	5893.6	15680.	102780.	11900.
Stddev	19.1	60.	469.	17.
%RSD	.32409	.38059	.45627	.13909
#1	5903.7	15729.	102700.	11919.
#2	5905.6	15698.	103290.	11889.
#3	5871.6	15613.	102360.	11891.

Sample Name: MP30231-B1 Acquired: 4/12/2016 12:32:36 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm
Avg	.0505	28.07	2.013	2.139	.0537	26.27	.0521	.5110	.2120	.2632
Stddev	.0005	.06	.004	.004	.0001	.03	.0001	.0011	.0005	.0002
%RSD	.9595	.2037	.2207	.1738	1.398	1.227	2.230	2.113	2.293	.0918
#1	.0507	28.12	2.014	2.141	.0537	26.30	.0521	.5120	.2126	.2629
#2	.0499	28.01	2.016	2.135	.0536	26.27	.0521	.5112	.2119	.2633
#3	.0508	28.09	2.008	2.141	.0538	26.24	.0519	.5099	.2117	.2633
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										
Elem Units	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm	Sb2068 ppm	Se1960 ppm
Avg	27.14	26.81	25.88	.5402	4.800	26.72	.5196	.5128	.5042	1.991
Stddev	.03	.05	.10	.0012	.0001	.05	.0009	.0004	.0017	.005
%RSD	.1021	.2007	.4001	.2298	.0247	.1935	.1819	.0828	.3448	.2745
#1	27.14	26.86	25.98	.5416	4.799	26.78	.5198	.5125	.5025	1.995
#2	27.11	26.75	25.90	.5396	4.800	26.68	.5204	.5126	.5059	1.993
#3	27.17	26.81	25.77	.5394	4.801	26.71	.5186	.5133	.5043	1.985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										
Elem Units	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm			
Avg	.0129	.4945	.4890	.4911	2.036	.5050	.5245			
Stddev	.0007	.0006	.0008	.0012	.003	.0015	.0006			
%RSD	5.453	.1261	.1708	.2373	.1473	.2982	.1154			
#1	.0123	.4952	.4896	.4925	2.036	.5067	.5251			
#2	.0127	.4939	.4881	.4903	2.038	.5045	.5244			
#3	.0136	.4944	.4895	.4906	2.033	.5038	.5239			
Check ?	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass			
Value										
Range										

Sample Name: MP30231-B1 Acquired: 4/12/2016 12:32:36 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1790.8	4726.2	3463.6	5549.2
Stddev	.9	5.5	198.	34.3
%RSD	.05056	.11726	.57179	.61763
#1	1791.0	4721.8	3443.5	5532.2
#2	1791.7	4724.3	3483.0	5526.8
#3	1789.9	4732.4	3464.3	5588.7

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Sample Name: FA32924-3 Acquired: 4/12/2016 12:36:32 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0003	.2385	.0008	.0080	.0001	1.870	.0000	-.0001	.0006	.0000
Stddev	.0002	.0044	.0001	.0002	.0000	.010	.0000	.0001	.0003	.0000
%RSD	76.23	1.828	17.69	2.934	58.43	5.187	731.7	162.3	42.36	796.2
#1	.0005	.2381	.0006	.0080	.0001	1.872	.0000	.0000	.0007	.0001
#2	.0001	.2343	.0008	.0078	.0001	1.859	.0000	.0000	.0009	-.0002
#3	.0002	.2430	.0009	.0083	.0000	1.878	.0000	-.0002	.0003	.0000
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.7133	.4125	.4419	.0038	-.0007	5.627	.0000	.0010	.0001	.0016
Stddev	.0031	.0339	.0098	.0000	.0001	.015	.0000	.0006	.0004	.0001
%RSD	.4286	8.210	2.215	.6465	15.64	.2571	61.81	52.77	545.8	8.932
#1	.7167	.4009	.4532	.0038	-.0007	5.635	.0000	.0016	.0001	.0018
#2	.7107	.3859	.4362	.0038	-.0006	5.610	.0001	.0011	-.0003	.0016
#3	.7127	.4506	.4362	.0038	-.0008	5.635	.0000	.0005	.0005	.0015
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	4.143	-.0003	.0084	.0041	-.0025	.0007	.0113			
Stddev	.007	.0001	.0001	.0008	.0007	.0002	.0000			
%RSD	.1821	16.92	1.372	20.37	28.66	28.57	.3061			
#1	4.134	-.0003	.0083	.0039	-.0031	.0008	.0113			
#2	4.149	-.0003	.0085	.0035	-.0027	.0005	.0113			
#3	4.145	-.0004	.0085	.0051	-.0017	.0009	.0113			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1801.4	4747.4	3448.7	5615.9						
Stddev	6.2	11.7	110.	59.7						
%RSD	.34630	.24540	.31750	1.0627						
#1	1801.7	4737.6	3436.1	5654.8						
#2	1807.4	4760.3	3456.2	5645.6						
#3	1795.0	4744.3	3453.7	5547.1						

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Sample Name: MP30231-D1 Acquired: 4/12/2016 12:40:39 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0005	.2080	.0004	.0078	.0000	1.888	.0000	.0000	.0005	.0003
Stddev	.0005	.0066	.0002	.0001	.0001	.008	.0000	.0000	.0003	.0002
%RSD	98.64	3.175	58.96	1.843	179.3	.4179	139.9	214.6	55.41	87.83
#1	.0003	.2147	.0006	.0078	.0001	1.885	.0000	.0001	.0002	.0005
#2	.0010	.2079	.0005	.0077	.0000	1.897	-.0001	.0000	.0006	.0003
#3	.0001	.2015	.0002	.0080	.0000	1.883	.0000	.0000	.0006	.0000
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.6864	.3978	.4290	.0037	-.0007	5.680	.0001	.0003	.0001	-.0003
Stddev	.0046	.0275	.0049	.0000	.0000	.014	.0002	.0004	.0009	.0011
%RSD	.6740	6.920	1.153	.7501	5.090	.2542	203.4	132.6	126.2	329.5
#1	.6916	.3928	.4238	.0037	-.0007	5.680	-.0001	.0007	-.0004	.0002
#2	.6827	.3732	.4296	.0036	-.0006	5.695	.0003	.0000	.0011	.0003
#3	.6848	.4276	.4337	.0037	-.0007	5.666	.0001	.0001	-.0005	-.0015
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	4.118	-.0002	.0083	.0051	-.0016	.0007	.0111			
Stddev	.008	.0002	.0002	.0039	.0005	.0001	.0000			
%RSD	.2006	71.96	1.912	76.23	31.50	19.62	.2643			
#1	4.126	-.0001	.0083	.0031	-.0022	.0009	.0111			
#2	4.109	-.0004	.0085	.0096	-.0014	.0007	.0110			
#3	4.120	-.0002	.0082	.0026	-.0013	.0006	.0111			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1806.7	4758.5	3452.8	5637.2						
Stddev	1.4	4.5	126.	69.3						
%RSD	.07592	.09433	.36480	1.2301						
#1	1808.1	4753.3	3440.3	5659.0						
#2	1805.4	4760.5	3465.5	5559.5						
#3	1806.6	4761.6	3452.6	5692.9						

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Sample Name: MP30231-SD1 Acquired: 4/12/2016 12:44:44 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0017	.2462	.0003	.0081	.0001	1.861	.0001	-.0006	.0020	.0000
Stddev	.0007	.0439	.0022	.0005	.0005	.016	.0005	.0004	.0005	.001
%RSD	44.24	17.84	750.4	6.765	417.6	.8610	922.1	66.63	25.82	1183.0
#1	.0022	.2076	.0027	.0078	.0004	1.866	.0007	-.0009	.0020	.0003
#2	.0008	.2940	-.0006	.0087	.0004	1.843	-.0002	-.0002	.0015	-.0013
#3	.0019	.2370	-.0012	.0078	-.0005	1.873	-.0003	-.0009	.0025	.0009
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.6343	.2837	.3897	.0033	-.0053	5.619	.0002	-.0042	.0006	-.0016
Stddev	.0150	.1123	.0614	.0003	.0008	.041	.0003	.0025	.0054	.0019
%RSD	2.360	39.58	15.77	7.681	15.05	.7302	116.4	58.30	859.3	117.6
#1	.6467	.4033	.4538	.0036	-.0054	5.647	-.0001	-.0063	.0031	-.0032
#2	.6385	.2670	.3839	.0031	-.0061	5.572	.0003	-.0049	.0044	.0005
#3	.6177	.1807	.3314	.0031	-.0045	5.639	.0005	-.0015	-.0055	-.0023
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	4.128	-.0026	.0084	.0001	-.0012	.0009	.0596			
Stddev	.006	.0012	.0001	.0006	.0077	.0009	.0004			
%RSD	.1349	46.06	.9680	544.9	670.0	99.89	.6150			
#1	4.125	-.0031	.0083	-.0004	-.0054	.0018	.0600			
#2	4.135	-.0012	.0084	.0008	-.0058	.0007	.0593			
#3	4.125	-.0035	.0084	.0000	.0078	.0001	.0596			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1788.1	4772.9	3403.2	5662.3						
Stddev	6.5	11.5	181.	27.9						
%RSD	.36545	.24063	.53085	.49260						
#1	1793.2	4780.3	3418.5	5680.2						
#2	1790.4	4778.8	3407.8	5676.6						
#3	1780.7	4759.7	3383.3	5630.2						

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Sample Name: MP30231-PS1 Acquired: 4/12/2016 12:48:50 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0478	2.880	.1058	.2847	.0537	7.264	.0532	.0522	.0550	.1057
Stddev	.0004	.009	.0001	.0009	.0001	.030	.0001	.0001	.0007	.0004
%RSD	8893	2941	.0516	3226	.1514	4178	.1077	2382	1260	3566

#1	.0474	2.874	.1058	.2852	.0536	7.237	.0531	.0521	.0555	.1058
#2	.0477	2.890	.1058	.2852	.0538	7.297	.0532	.0523	.0553	.1053
#3	.0482	2.877	.1059	.2836	.0538	7.258	.0532	.0521	.0542	.1060

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	3.927	11.13	5.792	.0596	.1023	16.32	.1040	.0522	.1077	.0994
Stddev	.005	.03	.027	.0001	.0003	.08	.0001	.0003	.0007	.0009
%RSD	.1176	.2312	.4721	.1595	.3312	.4777	.1359	.6219	.6042	.9271

#1	3.924	11.10	5.764	.0595	.1019	16.30	.1041	.0524	.1078	.1004
#2	3.925	11.15	5.819	.0597	.1024	16.41	.1038	.0524	.1083	.0986
#3	3.932	11.13	5.794	.0597	.1025	16.26	.1040	.0519	.1070	.0991

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	4.118	.0498	.0609	.1103	.1001	.0526	.2887
Stddev	.006	.0002	.0002	.0007	.0006	.0005	.0003
%RSD	.1467	.4724	.3000	.6380	.6200	.9822	.1089

#1	4.114	.0501	.0610	.1095	.1006	.0521	.2884
#2	4.116	.0496	.0609	.1109	.1003	.0531	.2886
#3	4.125	.0497	.0607	.1103	.0994	.0526	.2890

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1794.6	4771.4	34377.	5585.0
Stddev	5.3	4.2	190.	40.4
%RSD	.29255	.08724	.55371	.72347

#1	1789.6	4774.1	34596.	5631.5
#2	1800.1	4773.5	34249.	5558.8
#3	1794.2	4766.6	34288.	5564.6

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Sample Name: MP30231-S1 Acquired: 4/12/2016 12:52:49 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0504	27.78	2.006	2.125	.0526	28.17	.0515	.0506	.2111	.2605
Stddev	.0001	.09	.002	.005	.0003	.03	.0001	.0001	.0008	.0004
%RSD	2974	3223	.1050	.2228	.5141	.1201	.1870	.0241	3681	1699

#1	.0502	27.87	2.004	2.130	.0529	28.13	.0515	.0561	.2106	.2610
#2	.0504	27.77	2.007	2.125	.0524	28.19	.0514	.0509	.2120	.2605
#3	.0505	27.69	2.008	2.120	.0524	28.19	.0515	.0560	.2108	.2601

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	27.67	26.82	26.27	.5434	.4938	32.32	.5157	.5121	.5037	1.981
Stddev	.03	.11	.01	.0002	.0007	.04	.0003	.0012	.0013	.003
%RSD	.1045	.4045	.0473	.0411	.1323	.1260	.0677	.2411	.2587	.1448

#1	27.64	26.94	26.28	.5436	.4936	32.30	.5157	.5132	.5038	1.981
#2	27.70	26.81	26.26	.5432	.4933	32.36	.5154	.5108	.5023	1.978
#3	27.66	26.72	26.28	.5434	.4945	32.29	.5160	.5124	.5049	1.983

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	4.084	.0576	.5127	.5093	2.027	.5010	.5292
Stddev	.006	.0008	.0005	.0009	.003	.0004	.0001
%RSD	.1514	.1552	.0936	.1835	.1419	.0800	.0104

#1	4.078	.0577	.5123	.5095	2.026	.5006	.5293
#2	4.091	.0568	.5132	.5083	2.024	.5013	.5292
#3	4.083	.0583	.5125	.5102	2.030	.5013	.5291

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1790.9	4733.0	34410.	5570.8
Stddev	4.8	8.0	101.	5.7
%RSD	.27017	.16945	.29407	.10205

#1	1785.3	4723.9	34508.	5566.2
#2	1793.4	4738.9	34416.	5577.2
#3	1794.0	4736.3	34306.	5569.1

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Sample Name: MP30231-S2 Acquired: 4/12/2016 12:56:46 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0508	27.25	2.008	2.111	.0520	28.13	.0519	.5097	.2109	.2611
Stddev	.0005	.11	.002	.007	.0002	.13	.0000	.0006	.0006	.0008
%RSD	1.002	.4136	.1115	.3289	.3609	4.768	.0252	1.253	2.694	3.093

#1	.0511	27.34	2.006	2.119	.0522	28.28	.0519	.5097	.2107	.2606
#2	.0502	27.27	2.010	2.107	.0519	28.03	.0519	.5091	.2104	.2607
#3	.0511	27.12	2.007	2.106	.0519	28.07	.0519	.5104	.2115	.2620

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	27.63	26.48	26.19	.5478	.4991	32.15	.5176	.5186	.5031	1.986
Stddev	.10	.12	.16	.0017	.0008	.11	.0003	.0013	.0011	.004
%RSD	.3528	.4613	.6257	.3042	.1626	.3384	.0629	.2459	.2137	.1987

#1	27.73	26.61	26.37	.5470	.4988	32.27	.5179	.5175	.5036	1.988
#2	27.54	26.45	26.05	.5466	.4986	32.07	.5172	.5200	.5019	1.981
#3	27.62	26.37	26.14	.5497	.5001	32.11	.5176	.5183	.5039	1.988

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	4.147	.0582	.5167	.5182	2.059	.5001	.5338
Stddev	.006	.0011	.0013	.0031	.004	.0018	.0005
%RSD	.1379	.2169	.2585	.6060	.1711	.3529	.0866

#1	4.141	.0592	.5181	.5160	2.055	.4983	.5333
#2	4.152	.0585	.5166	.5167	2.061	.5002	.5338
#3	4.147	.0570	.5155	.5218	2.061	.5018	.5342

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1780.0	4737.1	34152.	5666.4
Stddev	3.5	8.2	131.	18.8
%RSD	.19741	.17292	.38410	.33180

#1	1776.6	4727.8	34249.	5647.6
#2	1779.7	4740.2	34205.	5685.2
#3	1783.6	4743.3	34003.	5666.5

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Sample Name: FA32924-1 Acquired: 4/12/2016 13:00:42 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0002	1.538	.0002	.0155	.0001	2.328	.0000	-.0001	.0014	.0002
Stddev	.0002	.012	.0002	.0001	.0000	.008	.000	.0000	.0002	.0005
%RSD	74.43	.7793	121.3	6.292	29.65	.3350	104.4	30.96	11.78	242.7

#1	.0004	1.551	.0004	.0156	.0001	2.334	.0000	-.0001	.0013	.0007
#2	.0002	1.527	.0003	.0155	.0002	2.331	.0000	-.0001	.0016	-.0004
#3	.0									

Sample Name: CCV Acquired: 4/12/2016 13:04:47 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2548	41.02	2.024	2.075	2.077	40.76	2.054	2.042	2.071	2.047
Stddev	.0005	.09	.004	.003	.003	.05	.001	.001	.002	.006
%RSD	.1938	.2304	.1790	.1413	.1455	.1298	.0508	.0623	.1118	.3032
#1	2543	41.13	2.025	2.077	2.078	40.82	2.053	2.041	2.073	2.043
#2	2547	40.96	2.020	2.071	2.074	40.72	2.055	2.043	2.071	2.054
#3	2553	40.98	2.028	2.076	2.079	40.75	2.055	2.042	2.069	2.044

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.30	42.08	40.96	2.099	2.037	41.72	2.034	2.060	2.026	2.024
Stddev	.07	.14	.06	.005	.005	.09	.001	.005	.003	.001
%RSD	.1735	.3244	.1352	.2390	.2530	.2057	.0276	.2427	.1476	.0265
#1	40.24	42.22	41.02	2.097	2.032	41.82	2.034	2.057	2.029	2.024
#2	40.28	42.08	40.91	2.096	2.038	41.67	2.033	2.057	2.024	2.023
#3	40.38	41.95	40.95	2.105	2.042	41.67	2.034	2.066	2.024	2.024

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.084	2.020	2.102	2.081	2.060	2.068	2.063
Stddev	.002	.001	.003	.005	.001	.002	.001
%RSD	.0827	.0539	.1346	.2491	.0365	.0864	.0621
#1	2.084	2.020	2.103	2.077	2.060	2.069	2.062
#2	2.083	2.019	2.099	2.078	2.060	2.069	2.064
#3	2.086	2.021	2.104	2.087	2.061	2.066	2.064

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 4/12/2016 13:04:47 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1739.0	4661.4	34106.	5489.6
Stddev	2.4	3.5	120.	7.7
%RSD	.13602	.07423	.35063	.14032
#1	1740.6	4664.6	34090.	5483.9
#2	1740.0	4657.7	34232.	5498.4
#3	1736.2	4661.9	33995.	5486.5

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.30	42.08	40.96	2.099	2.037	41.72	2.034	2.060	2.026	2.024
Stddev	.07	.14	.06	.005	.005	.09	.001	.005	.003	.001
%RSD	.1735	.3244	.1352	.2390	.2530	.2057	.0276	.2427	.1476	.0265
#1	40.24	42.22	41.02	2.097	2.032	41.82	2.034	2.057	2.029	2.024
#2	40.28	42.08	40.91	2.096	2.038	41.67	2.033	2.057	2.024	2.023
#3	40.38	41.95	40.95	2.105	2.042	41.67	2.034	2.066	2.024	2.024

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.084	2.020	2.102	2.081	2.060	2.068	2.063
Stddev	.002	.001	.003	.005	.001	.002	.001
%RSD	.0827	.0539	.1346	.2491	.0365	.0864	.0621
#1	2.084	2.020	2.103	2.077	2.060	2.069	2.062
#2	2.083	2.019	2.099	2.078	2.060	2.069	2.064
#3	2.086	2.021	2.104	2.087	2.061	2.066	2.064

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCB Acquired: 4/12/2016 13:08:42 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0023	.0017	.0001	.0001	.0025	.0000	-.0001	.0000
Stddev	.0004	.0077	.0008	.0001	.0001	.0038	.000	.0001	.000
%RSD	62.14	328.3	50.08	93.07	132.7	156.1	155.5	124.7	250.4
#1	.0009	-.0031	.0012	.0003	.0000	.0005	.0000	-.0001	.0001
#2	.0010	-.0010	.0027	.0002	.0002	.0069	.0000	.0000	-.0004
#3	.0002	.0112	.0012	.0000	.0000	.0000	.0000	-.0001	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0164	.0539	-.0104	.0001	F .0012	.0124	-.0001	-.0002
Stddev	.0003	.0062	.0216	.0183	.0000	.0006	.0016	.0001	.0007
%RSD	248.6	37.89	40.02	176.0	31.38	46.84	12.69	93.04	349.4
#1	-.0004	.0234	.0494	-.0213	.0000	.0019	.0123	-.0001	.0002
#2	-.0002	.0144	.0774	-.0205	.0001	.0010	.0141	-.0001	.0002
#3	-.0002	.0114	.0350	.0107	.0001	.0008	.0109	.0000	-.0010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	-.0002	.0017	.0001	.0000	.0007	-.0005	-.0001	.0002
Stddev	.0006	.0016	.0001	.0003	.0000	.0001	.0014	.0002	.0000
%RSD	56.77	861.7	6.334	301.9	90.12	12.00	293.7	137.0	19.24
#1	.0010	-.0018	.0018	.0005	.0001	.0007	-.0010	-.0002	.0002
#2	.0004	.0014	.0017	.0000	.0000	.0008	.0011	.0001	.0003
#3	.0015	-.0001	.0016	-.0002	.0000	.0006	-.0015	-.0002	.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: FA32924-2 Acquired: 4/12/2016 13:12:51 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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Sample Name: FA32924-4 Acquired: 4/12/2016 13:16:56 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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Sample Name: FA32924-5 Acquired: 4/12/2016 13:21:02 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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Sample Name: FA32924-6 Acquired: 4/12/2016 13:25:08 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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Sample Name: FA32931-1 Acquired: 4/12/2016 13:29:14 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0003	.2838	.0036	.0588	.0000	155.7	-0.001	.0004	.0012	-0.0003
Stddev	.0005	.0018	.0006	.0003	.0001	1.2	.0000	.0001	.0002	.0003
%RSD	177.1	.6330	17.73	.4449	298.7	.7658	22.58	24.13	14.25	98.33
#1	.0000	.2848	.0041	.0589	.0000	156.3	-0.001	.0003	.0010	-0.0007
#2	.0000	.2817	.0029	.0585	.0001	154.3	-0.001	.0004	.0011	.0000
#3	.0009	.2848	.0038	.0589	-0.001	156.4	-0.001	.0004	.0014	-0.0003
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	1.269	.9929	1.835	.0287	.0112	1.672	.0024	.0002	.0031	.0045
Stddev	.005	.0128	.005	.0001	.0002	.002	.0001	.0007	.0009	.0005
%RSD	.3856	1.289	.2809	.2723	1.831	.1440	4.551	320.8	28.62	11.66
#1	1.266	.9996	1.829	.0286	.0114	1.670	.0024	-0.005	.0022	.0040
#2	1.275	.9782	1.839	.0288	.0111	1.674	.0024	.0003	.0039	.0051
#3	1.267	1.001	1.837	.0287	.0110	1.670	.0026	.0009	.0032	.0044
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	7.989	-0.003	.5365	.0082	-0.022	.0037	.0026			
Stddev	.015	.0002	.0012	.0004	.0007	.0003	.0000			
%RSD	.1853	84.42	.2265	4.345	31.33	9.168	1.762			
#1	7.976	-0.005	.5378	.0079	-0.028	.0039	.0026			
#2	7.986	-0.002	.5354	.0086	-0.022	.0033	.0025			
#3	8.005	-0.001	.5363	.0081	-0.015	.0039	.0026			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1796.1	4808.1	34370.	5573.6						
Stddev	4.4	8.2	211.	28.6						
%RSD	.24682	.17054	.61437	.51226						
#1	1800.3	4813.9	34594.	5591.3						
#2	1796.5	4811.7	34174.	5588.9						
#3	1791.5	4798.7	34343.	5540.7						

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Sample Name: FA32993-3 Acquired: 4/12/2016 13:33:29 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.001	.9471	-0.0006	.0315	.0002	3.535	.0000	.0004	.0010	-0.0008
Stddev	.0003	.0048	.0006	.0001	.0000	.012	.000	.0002	.0002	.0003
%RSD	265.3	.5064	103.2	.4014	11.24	.3267	199.8	43.44	15.97	37.37
#1	-0.001	.9419	-0.0005	.0317	.0002	3.544	-0.001	.0002	.0012	-0.0012
#2	-0.004	.9514	.0000	.0314	.0002	3.522	.0000	.0006	.0010	-0.0007
#3	.0002	.9479	-0.0013	.0315	.0003	3.539	.0000	.0005	.0008	-0.0006
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.1412	.7488	4.497	.0280	-0.010	2.586	.0002	.0003	.0000	-0.0011
Stddev	.0001	.0155	.020	.0000	.0001	.007	.0001	.0012	.0011	.0005
%RSD	.0985	2.065	.4515	.1770	12.63	.2848	45.33	385.6	6667.	45.32
#1	.1414	.7665	4.517	.0281	-0.008	2.590	.0002	.0014	.0010	-0.0006
#2	.1412	.7418	4.476	.0280	-0.011	2.578	.0001	-0.010	.0001	-0.0015
#3	.1412	.7381	4.496	.0280	-0.011	2.592	.0002	.0005	-0.011	-0.0011
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	2.237	-0.003	.0356	.0118	-0.033	.0005	.0113			
Stddev	.001	.0001	.0001	.0008	.0003	.0000	.0000			
%RSD	.0497	41.48	.1930	6.739	8.113	7.589	.3642			
#1	2.237	-0.004	.0356	.0111	-0.033	.0005	.0113			
#2	2.237	-0.002	.0356	.0116	-0.030	.0005	.0113			
#3	2.239	-0.004	.0355	.0127	-0.035	.0004	.0114			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1763.5	4783.2	33789.	5534.7						
Stddev	2.7	10.6	136.	14.5						
%RSD	.15260	.22256	.40367	.26175						
#1	1764.4	4795.3	33924.	5538.1						
#2	1765.5	4778.6	33651.	5547.1						
#3	1760.4	4775.5	33793.	5518.8						

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Sample Name: FA32993-4 Acquired: 4/12/2016 13:37:34 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.0003	.3291	-0.0003	.0156	.0000	1.573	.0000	-0.002	.0004	-0.0009
Stddev	.0002	.0087	.0004	.0001	.000	.002	.000	.0001	.0003	.0002
%RSD	93.22	2.633	129.6	.8044	145.2	.1479	200.2	55.88	77.15	22.24
#1	-0.0005	.3301	.0000	.0155	.0000	1.572	.0000	-0.001	.0000	-0.0007
#2	.0000	.3200	-0.0002	.0157	.0000	1.576	-0.001	-0.002	.0006	-0.0009
#3	-0.0003	.3372	-0.0008	.0156	-0.001	1.572	-0.001	-0.003	.0006	-0.0011
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0237	18.55	.7745	.0098	.0000	7.985	-0.004	-0.002	.0022	.0004
Stddev	.0009	.05	.0218	.0000	.0001	.003	.0001	.0007	.0002	.0011
%RSD	3.610	.2868	2.811	.5540	4154.	.0311	32.90	327.8	8.425	291.6
#1	.0227	18.59	.7873	.0056	-0.001	7.987	-0.002	-0.010	.0024	-0.004
#2	.0244	18.56	.7494	.0057	.0000	7.983	-0.004	.0005	.0021	.0000
#3	.0238	18.49	.7869	.0057	.0001	7.986	-0.005	-0.002	.0020	.0016
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	1.416	-0.003	.0126	.0071	-0.030	.0017	.0099			
Stddev	.005	.0001	.0001	.0004	.0010	.0002	.0001			
%RSD	.3339	45.47	1.002	5.371	33.53	14.10	.7401			
#1	1.413	-0.002	.0125	.0072	-0.035	.0018	.0099			
#2	1.413	-0.004	.0126	.0074	-0.035	.0015	.0099			
#3	1.421	-0.004	.0128	.0067	-0.018	.0020	.0100			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1797.2	4847.5	34255.	5545.5						
Stddev	4.1	13.5	154.	17.8						
%RSD	.22922	.27898	.45011	.32069						
#1	1801.6	4859.4	34411.	5559.9						
#2	1793.4	4850.3	34251.	5525.6						
#3	1796.4	4832.8	34102.	5550.9						

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Sample Name: FA32993-5 Acquired: 4/12/2016 13:41:40 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0007	.8890	.0001	.1535	.0003	29.48	-0.003	.0034	.0000	.0018
Stddev	.0003	.0092	.0005	.0005	.0001	.04	.0000	.0002	.0000	.0003
%RSD	43.12	1.038	496.9	.3276	19.13	.1277	13.80	4.941	160.7	15.68
#1	.0005	.8876	.0003	.1540	.0003	29.52	-0.003	.0036	.0000	.0022
#2	.0010	.8806	.0004	.1533	.0003	29.45	-0.004	.0032	.0000	.0016
#3	.00									

Sample Name: FA32993-6 Acquired: 4/12/2016 13:45:44 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0004	.0223	-.0008	.0320	.0000	54.75	-.0001	-.0002	.0003	-.0003
Stddev	.0002	.0049	.0008	.0001	.0000	.08	.0000	.0000	.0003	.0003
%RSD	57.05	22.23	102.6	.3557	354.1	.1454	38.11	6.215	95.62	91.09
#1	.0002	.0261	-.0002	.0319	.0000	54.71	-.0001	-.0002	.0000	.0000
#2	.0004	.0240	-.0005	.0321	.0000	54.70	-.0001	-.0002	.0006	-.0005
#3	.0007	.0167	-.0017	.0321	.0000	54.84	-.0001	-.0002	.0005	-.0005
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0346	3.553	2.935	.0006	.0008	2.024	-.0003	-.0006	.0009	.0015
Stddev	.0045	.020	.048	.0000	.0001	.014	.0000	.0006	.0004	.0010
%RSD	12.94	.5743	1.622	4.603	6.332	.7030	11.87	99.18	46.26	69.29
#1	.0388	3.545	2.900	.0007	.0008	2.029	-.0002	-.0012	.0004	.0006
#2	.0351	3.538	2.989	.0006	.0008	2.008	-.0003	-.0001	.0012	.0026
#3	.0299	3.576	2.916	.0006	.0008	2.035	-.0003	-.0004	.0011	.0012
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	.8582	-.0002	.1334	.0006	-.0024	.0017	.0091			
Stddev	.0019	.0004	.0001	.0001	.0006	.0004	.0001			
%RSD	.2263	158.5	.0842	21.81	23.20	21.85	6089			
#1	.8573	-.0003	.1335	.0005	-.0027	.0013	.0090			
#2	.8569	.0002	.1333	.0008	-.0028	.0020	.0091			
#3	.8604	-.0006	.1335	.0007	-.0018	.0017	.0091			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1802.5	4859.7	34385.	5587.0						
Stddev	4.7	7.1	137.	18.7						
%RSD	.26252	.14534	.39801	.33457						
#1	1798.3	4854.7	34257.	5608.0						
#2	1807.6	4867.8	34529.	5572.2						
#3	1801.7	4856.5	34369.	5580.9						

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Sample Name: FA32993-7 Acquired: 4/12/2016 13:49:50 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0004	.0928	-.0001	.0628	.0000	33.21	-.0001	-.0001	.0005	-.0003
Stddev	.0003	.0076	.0004	.0004	.0000	.01	.0001	.0000	.0002	.0005
%RSD	90.82	8.206	266.1	.5935	90.06	.0370	43.71	34.58	40.89	140.4
#1	.0002	.1014	.0002	.0627	.0000	33.22	-.0002	-.0001	.0003	-.0002
#2	.0002	.0870	-.0006	.0624	.0000	33.21	-.0001	-.0001	.0007	.0000
#3	.0008	.0900	-.0001	.0632	.0000	33.20	-.0001	-.0002	.0005	-.0009
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	-.0042	21.44	2.598	.0076	.0058	8.272	-.0003	-.0014	.0006	.0015
Stddev	.0018	.05	.016	.0000	.0002	.011	.0001	.0005	.0011	.0006
%RSD	42.33	.2175	.6008	.3424	4.251	.1376	37.88	40.30	172.3	40.88
#1	-.0053	21.49	2.601	.0076	.0060	8.285	-.0005	-.0009	-.0006	.0018
#2	-.0052	21.41	2.581	.0077	.0059	8.265	-.0002	-.0019	.0009	.0008
#3	-.0022	21.42	2.612	.0076	.0056	8.266	-.0004	-.0013	.0016	.0019
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	.7036	-.0003	.0650	.0007	-.0026	.0014	.0095			
Stddev	.0008	.0001	.0001	.0001	.0015	.0002	.0001			
%RSD	.1075	29.54	.1633	18.29	58.40	14.61	.8392			
#1	.7038	-.0002	.0650	.0008	-.0016	.0013	.0096			
#2	.7043	-.0004	.0650	.0006	-.0019	.0016	.0094			
#3	.7028	-.0003	.0649	.0007	-.0044	.0013	.0095			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1788.3	4831.7	34091.	5502.9						
Stddev	.9	10.4	19.	40.9						
%RSD	.05052	.21525	.05595	.73704						
#1	1787.3	4831.7	34090.	5502.9						
#2	1788.5	4839.8	34052.	5584.5						
#3	1789.1	4852.4	34072.	5547.6						

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Sample Name: CCV Acquired: 4/12/2016 13:53:57 Type: QC
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2573	40.04	2.001	2.056	2.073	40.34	2.055	2.039	2.049	2.068
Stddev	.0016	.04	.005	.004	.004	.11	.003	.004	.004	.004
%RSD	.6083	.0916	.2281	.2033	.2182	.2695	.1536	.2012	.2004	.1691
#1	2555	40.02	1.998	2.059	2.078	40.37	2.053	2.034	2.048	2.067
#2	2586	40.02	2.006	2.051	2.069	40.22	2.059	2.043	2.054	2.065
#3	2577	40.08	1.998	2.058	2.072	40.43	2.054	2.039	2.045	2.071
Check ?	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass
Value										
Range										
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.51	41.88	41.01	2.126	2.030	41.19	2.010	2.080	2.005	2.004
Stddev	.13	.04	.17	.005	.006	.10	.003	.004	.005	.004
%RSD	.3188	.0855	.4037	.2397	.2967	.2365	.1661	.2064	.2310	.1802
#1	40.48	41.92	40.84	2.125	2.023	41.20	2.009	2.085	2.004	2.001
#2	40.40	41.85	41.17	2.132	2.034	41.09	2.014	2.079	2.010	2.008
#3	40.65	41.87	41.03	2.122	2.032	41.28	2.008	2.077	2.001	2.003
Check ?	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass
Value										
Range										
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm			
Avg	2.068	1.974	2.128	2.124	2.083	2.066	2.059			
Stddev	.005	.004	.005	.003	.002	.002	.003			
%RSD	.2668	.2055	.2541	.1315	.0860	.1046	.1528			
#1	2.063	1.974	2.129	2.123	2.081	2.068	2.059			
#2	2.074	1.978	2.123	2.127	2.084	2.066	2.062			
#3	2.067	1.970	2.134	2.121	2.084	2.064	2.055			
Check ?	None	Chk	Pass	Chk	Pass	Chk	Pass			
Value										
Range										

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Sample Name: CCV Acquired: 4/12/2016 13:53:57 Type: QC
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1740.7	4721.9	33862.	5474.3
Stddev	2.7	4.8	205.	33.5
%RSD	.15619	.10209	.60417	.61184
#1	1737.7	4723.6	33822.	5511.9
#2	1741.3	4716.4	33681.	5447.8
#3	1743.0	4725.6	34084.	5463.1

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Sample Name: CCB Acquired: 4/12/2016 13:57:52 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0111	.0006	.0002	.0000	.0010	.0000	.0001	.0002
Stddev	.0004	.0079	.0007	.0002	.0001	.0009	.000	.0001	.0003
%RSD	314.5	70.59	120.9	83.75	752.5	90.42	251.8	91.11	181.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	.0183	.0368	.0036	.0000	F.0013	.0098	-0.001	-0.010
Stddev	.0003	.0070	.0170	.0325	.0000	.0006	.0088	.0001	.0006
%RSD	78.44	38.42	46.10	895.6	76.92	45.62	90.26	55.16	62.56

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	-0.0003	.0015	.0002	.0000	.0009	-0.0009	.0000	.0003
Stddev	.0005	.0020	.0003	.0001	.0000	.0002	.0002	.0003	.0000
%RSD	45.59	665.7	21.48	60.14	145.3	19.54	17.34	625.9	16.48

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICV Acquired: 4/12/2016 14:26:46 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2437	41.72	1.965	2.078	2.069	42.79	2.005	2.003	1.996	1.972
Stddev	.0004	.05	.003	.004	.003	.14	.001	.001	.004	.001
%RSD	.1762	.1276	.1294	.1799	.1346	.3320	.0558	.0671	.2006	.0405

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	42.49	43.21	43.02	2.051	1.911	43.13	2.007	1.995	1.982	2.008
Stddev	.13	.03	.19	.004	.003	.12	.001	.004	.002	.002
%RSD	.2959	.0599	.4520	.1934	.1348	.2886	.0242	.2244	.1125	.1078

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0985	2.028	1.996	1.943	2.045	1.905	2.032
Stddev	.0004	.002	.007	.002	.007	.003	.002
%RSD	.3614	.0731	.3571	.1102	.3398	.1768	.0944

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 4/12/2016 13:57:52 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1775.0	4853.5	33381.	5502.3
Stddev	6.9	7.0	135.	36.8
%RSD	.39028	.14428	.40410	.66966

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1767.0	4846.5	33243.	5471.3
Stddev	1779.8	4860.5	33513.	5543.0
%RSD	1778.0	4853.7	33387.	5492.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICV Acquired: 4/12/2016 14:26:46 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1738.6	4716.5	33856.	5397.1
Stddev	4.4	4.9	135.	16.1
%RSD	.25247	.10485	.39744	.29884

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1739.4	4719.4	34011.	5409.6
Stddev	1742.5	4719.4	33776.	5378.9
%RSD	1733.8	4710.8	33781.	5402.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/12/2016 14:33:22 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2482	39.73	1.985	2.005	2.026	39.92	2.009	1.993	2.014	1.994
Stddev	.0008	.07	.001	.002	.005	.05	.001	.002	.003	.006
%RSD	.3335	.1706	.0241	.0837	.2588	.1151	.0705	.0922	.1667	.3072
#1	2478	39.74	1.986	2.006	2.024	39.97	2.009	1.994	2.016	1.992
#2	2492	39.66	1.985	2.003	2.023	39.91	2.008	1.991	2.015	2.000
#3	2477	39.80	1.985	2.007	2.033	39.88	2.010	1.994	2.010	1.988

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.56	40.70	40.23	2.040	1.981	40.40	1.988	1.988	1.980	1.986
Stddev	.07	.05	.10	.003	.003	.07	.002	.006	.002	.003
%RSD	.1654	.1270	.2524	.1220	.1596	.1821	.0760	.3029	.1157	.1583
#1	39.52	40.76	40.17	2.038	1.978	40.49	1.989	1.995	1.978	1.989
#2	39.52	40.67	40.34	2.042	1.982	40.36	1.986	1.986	1.983	1.983
#3	39.63	40.67	40.17	2.039	1.984	40.36	1.988	1.983	1.979	1.986

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.042	1.982	2.058	2.020	1.986	2.008	2.015
Stddev	.001	.002	.002	.004	.008	.003	.005
%RSD	.0499	.1177	.1037	.1997	.3854	.1286	.2587
#1	2.043	1.985	2.060	2.016	1.994	2.009	2.015
#2	2.042	1.980	2.056	2.024	1.986	2.011	2.009
#3	2.042	1.983	2.059	2.020	1.979	2.006	2.020

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/12/2016 14:33:22 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1738.5	4733.9	33538.	5444.3
Stddev	7.7	18.1	116.	37.6
%RSD	.44120	.38194	.34538	.69140
#1	1731.8	4732.1	33491.	5443.1
#2	1746.9	4752.8	33670.	5407.2
#3	1736.7	4716.8	33454.	5482.5

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 4/12/2016 14:38:28 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0023	.0010	.0003	.0001	.0030	.0000	.0001
Stddev	.0002	.0103	.0006	.0002	.0000	.0029	.0001	.0001
%RSD	103.6	439.7	57.17	51.19	57.05	97.13	191.9	178.3
#1	-.0004	.0057	.0004	.0003	.0000	.0064	.0001	.0002
#2	.0000	-.0092	.0016	.0005	.0000	.0011	.0001	.0000
#3	-.0002	.0105	.0010	.0002	.0001	.0016	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0000	.0181	.0552	.0104	.0001	F .0017	.0208
Stddev	.0003	.0002	.0061	.0239	.0114	.0000	.0003	.0095
%RSD	1039.	588.9	33.71	43.30	109.7	41.69	15.31	45.83
#1	.0003	-.0001	.0249	.0761	.0234	.0001	.0019	.0101
#2	-.0003	-.0001	.0162	.0605	.0057	.0001	.0018	.0239
#3	.0001	.0003	.0132	.0291	.0021	.0001	.0014	.0284

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass
 High Limit Low Limit

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	F-.0011	.0008	.0005	-.0003	.0008	.0001	.0011
Stddev	.0002	.0005	.0007	.0004	.0005	.0002	.0000	.0001
%RSD	140.5	43.71	84.27	77.74	153.2	26.16	8.401	6.464
#1	.0003	-.0006	.0000	.0008	.0001	.0010	.0001	.0011
#2	.0002	-.0010	.0012	.0001	-.0008	.0007	.0001	.0011
#3	-.0001	-.0016	.0012	.0004	-.0002	.0007	.0001	.0010

Check ? Chk Pass Chk Fail Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/12/2016 14:38:28 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	.0003	.0002	.0000
Stddev	.0004	.0003	.0001
%RSD	134.0	141.7	203.2
#1	.0005	.0005	.0001
#2	-.0002	.0001	.0000
#3	.0006	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1742.4	4780.1	32831.	5338.9
Stddev	1.2	17.3	229.	67.3
%RSD	.06622	.36214	.69771	1.2602
#1	1741.1	4773.5	33095.	5271.9
#2	1743.2	4799.8	32685.	5338.3
#3	1743.0	4767.2	32712.	5406.5

Check ? Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: FA32993-8 Acquired: 4/12/2016 14:49:05 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	
Avg	-0.004	.1189	-0.008	.0175	.0000	1.731	.0000	.0000	.0002	.0006	
Stddev	.0005	.0045	.0002	.0002	.0001	.008	.000	.000	.0005	.0002	
%RSD	133.9	3.788	24.88	.9373	737.7	.4549	108.4	260.7	227.2	25.29	
#1	-0.007	.1172	-0.009	.0177	-0.001	1.739	.0000	.0001	-0.002	.0008	
#2	.0002	.1154	-0.005	.0174	.0001	1.729	.0000	-0.001	.0001	.0005	
#3	-0.007	.1240	-0.009	.0176	.0001	1.724	.0000	-0.001	.0007	.0006	
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	
Avg	.0348	3.084	.2480	.0015	.0005	1.640	-0.001	.0002	.0009	.0010	
Stddev	.0021	.022	.0164	.0000	.0002	.011	.0001	.0008	.0012	.0005	
%RSD	6.154	.7064	6.624	2.633	40.15	.6762	79.20	328.1	139.6	56.70	
#1	.0360	3.101	.2652	.0015	.0007	1.635	-0.002	.0003	.0020	.0010	
#2	.0323	3.093	.2461	.0014	.0004	1.652	.0000	.0010	.0011	.0015	
#3	.0361	3.060	.2326	.0015	.0003	1.632	-0.003	-0.005	-0.004	.0004	
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062				
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)				
Avg	.9608	.0005	.0213	.0028	.0009	.0004	.1077				
Stddev	.0012	.0002	.0001	.0001	.0002	.0002	.0003				
%RSD	.1262	44.46	.4403	4.314	22.00	54.64	.2401				
#1	.9617	.0004	.0213	.0028	-0.010	.0005	.1076				
#2	.9594	.0007	.0212	.0027	-0.010	.0002	.1075				
#3	.9613	.0003	.0214	.0030	-0.007	.0006	.1080				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710							
Avg	1771.2	4841.2	33222.	5457.9							
Stddev	.5	10.1	210.	37.1							
%RSD	.02709	.20887	.63092	.68005							
#1	1771.8	4844.8	32998.	5442.2							
#2	1771.0	4849.0	33413.	5431.2							
#3	1770.9	4829.8	33255.	5500.3							

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Sample Name: FA32993-9 Acquired: 4/12/2016 14:53:11 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	
Avg	-0.002	1.409	-0.004	.2168	.0004	11.92	.0006	.0041	.0005	.0032	
Stddev	.0004	.016	.0005	.0008	.0001	.05	.0000	.0001	.0001	.0003	
%RSD	258.0	1.125	137.3	.3560	14.67	.3841	3.041	1.344	16.06	10.22	
#1	-0.007	1.412	.0001	.2176	.0003	11.97	.0006	.0041	.0004	.0029	
#2	.0001	1.392	-0.009	.2160	.0004	11.88	.0006	.0040	.0006	.0035	
#3	.0000	1.423	-0.004	.2167	.0004	11.90	.0006	.0041	.0005	.0031	
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	
Avg	.0266	5.829	3.887	.1326	.0001	13.82	.0035	-0.007	-0.003	.0018	
Stddev	.0011	.049	.050	.0006	.0002	.02	.0002	.0002	.0012	.0005	
%RSD	4.240	.8412	1.291	.4902	140.6	.1784	5.092	30.64	417.6	27.42	
#1	.0253	5.867	3.940	.1331	.0001	13.85	.0037	-0.005	-0.005	.0012	
#2	.0270	5.773	3.841	.1327	.0000	13.80	.0034	-0.009	-0.010	.0021	
#3	.0274	5.845	3.879	.1319	.0003	13.82	.0034	-0.007	-0.014	.0020	
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062				
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)				
Avg	1.642	.0004	.0736	.0008	-0.010	.0003	.1641				
Stddev	.001	.0003	.0001	.0001	.0003	.0002	.0004				
%RSD	.0500	70.40	.1577	17.38	34.65	49.13	.2330				
#1	1.643	.0007	.0737	.0006	-0.014	.0005	.1642				
#2	1.641	.0002	.0736	.0009	-0.008	.0004	.1644				
#3	1.643	.0003	.0735	.0008	-0.008	.0002	.1637				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710							
Avg	1778.6	4912.7	33787.	5517.9							
Stddev	7.8	22.8	246.	28.6							
%RSD	.43744	.46458	.72726	.51789							
#1	1774.7	4899.7	33509.	5485.3							
#2	1773.5	4899.3	33877.	5538.7							
#3	1787.6	4939.0	33976.	5529.7							

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Sample Name: FA32993-10 Acquired: 4/12/2016 14:57:17 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	
Avg	-0.003	.0784	-0.003	.0133	.0001	2.602	.0001	.0003	.0000	.0788	
Stddev	.0003	.0075	.0003	.0002	.0001	.004	.0000	.0001	.0008	.0003	
%RSD	86.83	9.559	96.06	1.147	138.8	.1426	57.52	30.72	2690.	.3259	
#1	-0.004	.0777	-0.006	.0134	.0001	2.602	.0001	.0003	.0003	.0786	
#2	-0.005	.0713	.0000	.0131	.0001	2.599	.0000	.0002	.0007	.0791	
#3	.0000	.0862	-0.003	.0133	.0000	2.606	.0001	.0003	-0.009	.0787	
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	
Avg	.3588	.6966	1.877	.0356	.0003	3.635	.0003	.0014	.0001	.0002	
Stddev	.0028	.0138	.020	.0001	.0001	.007	.0001	.0003	.0009	.0008	
%RSD	.7917	1.983	1.064	.3633	35.85	.1831	25.81	21.05	632.9	421.2	
#1	.3618	.7097	1.856	.0358	.0004	3.643	.0003	.0011	-0.006	-0.002	
#2	.3587	.6980	1.882	.0356	.0004	3.629	.0004	.0016	.0011	.0012	
#3	.3561	.6822	1.895	.0356	.0002	3.634	.0002	.0016	-0.001	-0.004	
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062				
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)				
Avg	1.827	.0002	.0128	.0002	-0.009	.0004	.4214				
Stddev	.001	.0004	.0001	.0000	.0005	.0004	.0009				
%RSD	.0548	249.5	1.085	11.25	57.23	93.32	.2031				
#1	1.826	-0.001	.0129	.0002	-0.014	.0004	.4210				
#2	1.828	.0007	.0128	.0002	-0.009	.0007	.4208				
#3	1.828	.0000	.0126	.0002	-0.004	.0000	.4224				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710							
Avg	1767.3	4846.3	33468.	5497.6							
Stddev	4.4	9.8	166.	12.2							
%RSD	.25090	.20246	.49632	.22110							
#1	1765.1	4843.4	33278.	5493.9							
#2	1772.4	4857.2	33540.	5487.7							
#3	1764.4	4838.2	33586.	5511.2							

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Sample Name: FA33014-1 Acquired: 4/12/2016 15:01:22 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0003	.7496	.0005	.0046	.0000	32.52	.0000	.0004	.0020	.0044
Stddev	.0007	.0038	.0005	.0002	.0001	.04	.000	.0002	.0005	.0004
%RSD	218.6	.5084	102.9	3.907	217.6	.1270	120.0	37.67	23.50	8.430
#1	.0002	.7540	.0010	.0044	.0000	32.54	.0000	.0005	.0021	.0046
#2	.0010	.7469	.0004	.0046	.0000	32.47	-0.001	.0002	.0024	.0040
#3	-0.003	.7480	.0000	.0048	.0001	32.54	.0000	.0006	.0015	.0046
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	1.131	1.601	1.334	.0174	.0001	.7059	.0005	-0.014	.0001	.0014
Stddev	.004	.014	.008	.0000	.0003	.0058	.0001	.0006	.0004	.0014
%RSD	.3506	.8721	.6284	.2772	318.5	.8181	22.26	42.31	299.6	99.99
#1	1.129	1.603	1.326	.0174	.0003	.7126	.0004	-0.021	.0002	.0000
#2	1.129									

Sample Name: FA33014-2 Acquired: 4/12/2016 15:05:27 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.002	.0516	.0005	.0042	.0000	22.44	.0000	-.0001	.0005	.0003
Stddev	.0003	.0079	.0009	.0001	.0001	.04	.000	.0002	.0002	.0002
%RSD	180.5	15.31	172.0	2.135	534.0	.1879	147.2	322.2	48.28	81.13
#1	-.0004	.0475	.0014	.0043	.0000	22.46	-.0001	.0001	.0008	.0006
#2	-.0004	.0608	-.0004	.0042	.0001	22.47	-.0001	-.0001	.0005	.0001
#3	.0002	.0467	.0006	.0042	.0000	22.39	.0000	-.0002	.0003	.0002
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.5027	1.697	1.440	.0091	.0005	1.452	.0002	-.0018	.0007	-.0003
Stddev	.0021	.045	.015	.0001	.0001	.005	.0000	.0005	.0010	.0007
%RSD	.4170	2.632	1.046	.7842	15.75	.3419	19.59	25.65	132.4	221.7
#1	.5046	1.696	1.428	.0091	.0005	1.451	.0002	-.0016	.0000	-.0009
#2	.5005	1.653	1.457	.0092	.0005	1.457	.0001	-.0014	.0004	-.0005
#3	.5032	1.742	1.436	.0091	.0004	1.447	.0002	-.0023	.0018	.0005
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	.7187	.0001	.0381	.0018	-.0008	.0005	.0096			
Stddev	.0022	.0003	.0001	.0001	.0017	.0006	.0001			
%RSD	.3020	206.5	.3641	8.448	207.0	108.5	1.061			
#1	.7167	.0001	.0381	.0017	-.0025	.0005	.0095			
#2	.7184	.0005	.0383	.0019	-.0007	.0000	.0096			
#3	.7210	-.0001	.0380	.0017	-.0008	.0012	.0097			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1781.2	4898.7	3394.6	5520.9						
Stddev	3.2	4.3	253.	22.3						
%RSD	.17741	.08848	.74397	.40338						
#1	1777.6	4900.3	3374.2	5540.9						
#2	1783.2	4902.1	3386.7	5496.9						
#3	1782.9	4893.8	3422.8	5524.8						

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Sample Name: FA33005-1 Acquired: 4/12/2016 15:09:34 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0011	.0651	.0012	.0080	.0003	340.1	-.0002	.0591	.0000	.0000
Stddev	.0002	.0098	.0004	.0001	.0001	3.0	.0000	.0001	.0000	.0000
%RSD	20.01	15.02	36.81	1.861	24.07	.8759	24.17	.2360	.0000	.0000
#1	-.0009	.0572	.0017	.0081	.0004	337.1	-.0002	.0589	.0002	.0002
#2	-.0010	.0760	.0008	.0078	.0003	340.2	-.0002	.0591	.0000	-.0004
#3	-.0013	.0620	.0011	.0081	.0002	343.1	-.0001	.0592	.0001	.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Se1960
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)
Avg	-.0068	26.15	3.355	188.0	F6.568	-.0005	F433.7	.1546	.0046	.0007
Stddev	.0005	.12	.017	.9	.065	.0002	8.8	.0000	.0007	.0007
%RSD	6.744	.4476	.4917	.4601	.9949	31.72	2.031	.0276	15.12	15.12
#1	-.0063	26.18	3.374	188.1	6.493	-.0007	443.7	.1547	.0042	.0042
#2	-.0068	26.02	3.348	187.1	6.597	-.0004	430.3	.1546	.0042	.0042
#3	-.0072	26.24	3.344	188.8	6.613	-.0005	427.1	.1546	.0054	.0054
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062	
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	
Avg	-.0001	-.0001	12.46	-.0002	F8.264	-.0007	.0063	.0045	.0546	
Stddev	.0019	.0010	.02	.0002	.092	.0002	.0006	.0001	.0001	
%RSD	2018.	1322.	.1637	125.7	1.117	26.99	8.849	1.930	2695	
#1	-.0023	.0010	12.47	-.0003	8.287	-.0007	.0059	.0044	.0548	
#2	.0011	-.0007	12.44	-.0003	8.163	-.0009	.0060	.0046	.0545	
#3	.0010	-.0005	12.48	.0001	8.343	-.0005	.0069	.0045	.0545	
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1677.4	5224.9	3743.4	5954.2						
Stddev	1.5	9.8	107.	52.8						
%RSD	.09122	.18666	.28547	.88740						
#1	1675.9	5218.8	3748.9	5944.5						
#2	1677.2	5236.2	3731.1	6011.3						
#3	1679.0	5219.8	3750.3	5906.9						

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Sample Name: FA32928-4 Acquired: 4/12/2016 15:14:13 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0003	.5008	.0002	.0150	.0000	2.336	-.0001	.0001	.0010	.0040
Stddev	.0002	.0114	.0010	.0001	.0000	.010	.0001	.0001	.0003	.0009
%RSD	75.94	2.279	555.5	.6457	55.66	.4244	80.11	49.26	32.89	22.08
#1	-.0005	.5065	-.0006	.0151	.0001	2.342	-.0001	.0002	.0010	.0050
#2	-.0002	.5082	.0013	.0149	.0000	2.341	.0000	.0001	.0007	.0035
#3	-.0001	.4876	-.0002	.0150	.0000	2.324	-.0001	.0000	.0013	.0034
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	3.337	.4940	.7392	.0095	.0002	6.262	.0003	.0007	.0004	.0011
Stddev	.008	.0112	.0126	.0000	.0002	.005	.0001	.0006	.0004	.0009
%RSD	.2483	2.271	1.702	.2086	131.4	.0839	18.84	84.97	103.5	80.67
#1	3.327	.5029	.7536	.0095	-.0001	6.257	.0003	.0005	.0007	.0015
#2	3.341	.4977	.7336	.0095	.0004	6.268	.0003	.0002	.0000	.0019
#3	3.342	.4814	.7304	.0094	.0002	6.261	.0004	.0013	.0004	.0001
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	2.866	.0001	.0131	.0112	-.0016	.0017	.0135			
Stddev	.009	.0004	.0001	.0005	.0007	.0002	.0000			
%RSD	.3079	243.0	.5428	4.732	45.10	11.42	.2308			
#1	2.875	.0005	.0132	.0117	-.0024	.0016	.0135			
#2	2.866	-.0002	.0130	.0110	-.0010	.0015	.0135			
#3	2.857	.0002	.0131	.0107	-.0014	.0019	.0135			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1771.9	4861.8	3340.4	5525.1						
Stddev	3.4	5.4	201.	66.3						
%RSD	.19194	.11052	.60257	1.1992						
#1	1771.0	4863.0	3324.4	5501.6						
#2	1769.0	4855.9	3333.8	5473.7						
#3	1775.7	4866.4	3363.0	5599.9						

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Sample Name: FA32928-6 Acquired: 4/12/2016 15:18:18 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0010	2.842	.0088	.0542	.0002	3.368	-.0011	.0001	.0062	.0166
Stddev	.0006	.015	.0003	.0003	.0001	.018	.0000	.0001	.0002	.0004
%RSD	58.74	.5352	3.767	.4653	69.93	.5479	3.105	94.11	3.326	2.359
#1	.0003	2.834	.0085	.0544	.0003	3.388	-.0010	.0001	.0065	.0163
#2	.0012	2.859	.0091	.0539	.0000	3.352	-.0011	.0000	.0062	.0170
#3	.0014	2.832	.0086	.0542	.0002	3.364	-.0011	.0002	.0061	.0165

Sample Name: MP30232-MB1 Acquired: 4/12/2016 15:22:24 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.008	.0003	.0001	.0000	.0071	.0000	-0.001	-0.003	-0.004
Stddev	.0004	.0070	.0006	.0002	.000	.0014	.000	.0001	.0004	.0003
%RSD	630.2	895.6	241.0	174.2	290.4	19.35	465.4	131.7	130.0	88.30
#1	.0000	.0042	.0009	.0002	.0000	.0080	.0000	.0000	-0.001	-0.004
#2	.0003	.0022	-0.0003	-0.0001	-0.0001	.0055	.0000	.0000	-0.008	.0000
#3	-0.0005	-0.0087	.0001	.0002	.0001	.0077	.0000	-0.0002	-0.001	-0.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0295	.0170	-0.1115	.0001	.0000	.0460	.0000	-0.0007	.0002	.0001
Stddev	.0051	.0150	.0036	.0000	.0000	.0119	.000	.0006	.0007	.0006
%RSD	17.47	88.25	31.00	56.38	363.1	25.85	363.0	86.93	408.7	928.6
#1	.0346	.0032	-0.1555	.0000	.0000	.0495	.0001	-0.0012	.0000	-0.0005
#2	.0295	.0330	-0.1002	.0001	.0000	.0327	-0.0001	.0000	.0009	.0002
#3	.0243	.0149	-0.0087	.0001	.0001	.0557	-0.0001	-0.0008	-0.0004	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0110	.0001	.0000	-0.0001	-0.0009	.0002	.0000
Stddev	.0002	.0003	.000	.0002	.0007	.0003	.000
%RSD	1.673	290.6	385.7	259.4	83.91	179.6	75.34
#1	.0111	.0002	.0001	.0000	-0.0016	.0003	.0000
#2	.0112	-0.0002	.0000	.0000	-0.0007	.0003	.0000
#3	.0108	.0004	-0.0001	-0.0003	-0.0002	-0.0002	-0.0001

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30232-MB1 Acquired: 4/12/2016 15:22:24 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1758.4	4842.5	33118.	5439.0
Stddev	2.9	4.4	158.	19.2
%RSD	.16566	.09128	.47585	.35278
#1	1755.5	4837.4	33072.	5460.0
#2	1758.6	4844.6	33293.	5434.4
#3	1761.3	4845.5	32988.	5422.5

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30232-B1 Acquired: 4/12/2016 15:26:33 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0485	26.56	1.961	2.060	.0520	25.10	.0504	.4944	.2047	.2532
Stddev	.0003	.02	.002	.004	.0003	.08	.0001	.0002	.0003	.0005
%RSD	.6253	.0668	.1200	.1920	.6064	.3044	.2051	.0358	.1650	.2094
#1	.0482	26.58	1.958	2.065	.0520	25.17	.0504	.4946	.2050	.2530
#2	.0485	26.55	1.963	2.057	.0517	25.10	.0502	.4943	.2044	.2527
#3	.0488	26.55	1.962	2.059	.0524	25.02	.0504	.4944	.2047	.2537

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.05	25.46	24.80	52.36	4803	25.20	5033	4976	4915	1.944
Stddev	.04	.09	.10	.0015	.0004	.12	.0003	.0015	.0014	.003
%RSD	.1673	.3515	.4145	.2771	.0920	.4932	.0695	.3096	.2764	.1652
#1	26.10	25.57	24.91	52.22	4798	25.31	5031	4958	4925	1.941
#2	26.04	25.42	24.79	52.51	4806	25.21	5037	4987	4921	1.946
#3	26.01	25.40	24.71	52.35	4804	25.07	5032	4982	4900	1.946

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0135	.4969	.4954	.4926	1.973	.4870	.5082
Stddev	.0005	.0006	.0011	.0010	.007	.0005	.0005
%RSD	3.967	.1225	.2143	.2059	.3381	.0992	.1067
#1	.0129	.4962	.4965	.4915	1.967	.4876	.5076
#2	.0139	.4973	.4954	.4933	1.971	.4867	.5085
#3	.0137	.4972	.4943	.4931	1.980	.4868	.5086

Check ? None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30232-B1 Acquired: 4/12/2016 15:26:33 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1778.0	4813.0	33678.	5448.5
Stddev	9.3	13.5	296.	38.3
%RSD	.52413	.28127	.87933	.70360
#1	1788.3	4828.6	33998.	5405.2
#2	1775.7	4804.9	33415.	5462.2
#3	1770.1	4805.5	33620.	5478.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/12/2016 15:30:29 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2479	40.23	2.004	2.027	2.037	40.14	2.019	2.004	2.023	2.000
Stddev	.0004	.11	.001	.005	.005	.06	.001	.002	.007	.009
%RSD	.1579	.2639	.0629	.2482	.2415	.1479	.0708	.0742	.3658	.4555
#1	2475	40.21	2.005	2.023	2.033	40.18	2.020	2.006	2.017	1.991
#2	2480	40.35	2.002	2.033	2.042	40.17	2.017	2.003	2.031	1.999
#3	2483	40.14	2.005	2.026	2.035	40.07	2.019	2.005	2.020	2.009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.56	41.18	40.18	2.036	1.993	40.46	2.003	1.991	1.993	2.006
Stddev	.07	.10	.11	.004	.003	.09	.002	.004	.001	.004
%RSD	.1696	.2384	.2757	.1794	.1332	.2297	.1148	.1888	.0304	.1726
#1	39.49	41.20	40.28	2.032	1.990	40.50	2.006	1.987	1.993	2.008
#2	39.63	41.26	40.21	2.039	1.993	40.52	2.001	1.994	1.993	2.008
#3	39.55	41.07	40.06	2.037	1.995	40.35	2.002	1.992	1.994	2.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.059	2.001	2.060	2.013	1.993	2.016	2.025
Stddev	.002	.004	.004	.006	.004	.005	.002
%RSD	.1167	.1957	.2157	.2819	.2112	.2660	.0966
#1	2.060	2.005	2.056	2.007	1.990	2.011	2.027
#2	2.061	1.998	2.065	2.014	1.998	2.021	2.023
#3	2.056	1.999	2.059	2.019	1.991	2.016	2.025

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/12/2016 15:30:29 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1737.2	4718.7	33738.	5442.6
Stddev	4.8	3.7	147.	54.4
%RSD	.27355	.07916	.43613	.99868
#1	1742.7	4720.2	33854.	5379.8
#2	1734.8	4721.5	33573.	5474.1
#3	1734.2	4714.5	33788.	5473.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 4/12/2016 15:34:24 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0074	.0009	.0004	.0001	-.0011	.0000	.0001	.0002
Stddev	.0001	.0072	.0005	.0001	.0000	.0018	.0000	.0001	.0002
%RSD	37.36	97.20	56.43	13.40	46.66	168.7	210.0	136.0	77.83
#1	.0006	.0158	.0004	.0003	.0001	-.0031	.0000	.0000	.0003
#2	.0004	.0032	.0014	.0004	.0001	-.0004	.0001	.0003	.0004
#3	.0003	.0034	.0008	.0004	.0000	.0003	.0000	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0275	.0369	-.0017	.0000	F.0022	.0270	.0001	-.0010
Stddev	.0002	.0090	.0179	.0246	.0001	.0005	.0021	.0002	.0007
%RSD	112.0	32.76	48.51	1465.	199.9	22.49	7.618	140.7	71.74
#1	-.0003	.0363	.0566	-.0187	.0001	.0027	.0247	.0002	-.0013
#2	.0000	.0280	.0216	.0265	.0000	.0020	.0273	-.0001	-.0015
#3	-.0003	.0183	.0325	-.0129	.0000	.0018	.0288	.0002	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0002	-.0005	.0007	.0001	.0012	.0004	.0002	.0000
Stddev	.0012	.0008	.0005	.0002	.0000	.0001	.0012	.0002	.000
%RSD	169.3	387.1	105.2	31.77	79.35	11.77	278.4	85.28	457.7
#1	.0004	.0011	-.0007	.0009	.0001	.0014	.0018	.0003	.0000
#2	.0020	-.0001	.0001	.0006	.0001	.0012	-.0002	.0003	.0000
#3	-.0003	-.0004	-.0009	.0005	.0000	.0011	-.0003	.0000	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/12/2016 15:34:24 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1759.3	4812.5	33054.	5429.8
Stddev	6.1	9.0	239.	4.3
%RSD	.34618	.18712	.72286	.07992
#1	1752.7	4803.9	33317.	5428.6
#2	1764.7	4821.9	32992.	5434.7
#3	1760.6	4811.6	32852.	5426.3

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: FA32955-11 Acquired: 4/12/2016 15:38:33 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	
Avg	.0002	.2220	.0085	.0298	.0002	624.5	-0.008	.0006	.0019	-0.0094	
Stddev	.0015	.0617	.0019	.0005	.0001	1.9	.0001	.0004	.0009	.0013	
%RSD	736.3	27.82	22.89	1.837	57.01	.2988	11.19	70.89	48.64	14.14	
#1	-.0008	.2087	.0082	.0304	.0004	626.6	-.0007	.0011	.0013	-.0086	
#2	.0019	.2893	.0067	.0298	.0002	623.8	-.0008	.0003	.0015	-.0086	
#3	-.0005	.1680	.0106	.0293	.0001	623.1	-.0008	.0005	.0030	-.0109	
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	
IS Ref	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	
Avg	2.030	15.02	121.6	11.87	.0120	105.2	.0042	-.0030	-.0014	.0073	
Stddev	.006	.04	.4	.02	.0004	.2	.0001	.0015	.0049	.0029	
%RSD	.2745	.2409	.2927	.1695	3.506	.2135	3.075	48.07	348.3	39.28	
#1	2.029	14.99	122.0	11.87	.0124	105.3	.0042	-.0043	.0040	.0106	
#2	2.025	15.06	121.3	11.89	.0120	105.4	.0044	-.0034	-.0055	.0061	
#3	2.036	15.01	121.4	11.86	.0116	104.9	.0041	-.0014	-.0027	.0053	
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062				
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)				
Avg	6.485	-.0002	4.605	.0068	.0199	.0107	.0438				
Stddev	.012	.0006	.010	.0009	.0051	.0006	.0004				
%RSD	.1817	330.1	.2206	13.91	25.77	5.338	9806				
#1	6.473	-.0001	4.616	.0066	.0255	.0104	.0443				
#2	6.496	.0004	4.603	.0078	.0189	.0103	.0437				
#3	6.488	-.0008	4.597	.0060	.0154	.0114	.0435				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710							
Avg	1775.7	4805.4	33640.	5342.9							
Stddev	8.7	3.4	132.	31.7							
%RSD	.48820	.07014	.39149	.59413							
#1	1767.3	4807.0	33790.	5314.3							
#2	1784.6	4807.6	33546.	5337.3							
#3	1775.2	4801.5	33584.	5377.0							

Sample Name: MP30232-D1 Acquired: 4/12/2016 15:42:40 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	
Avg	.0033	.2303	.0068	.0293	-.0002	607.9	-.0007	.0011	.0011	-.0060	
Stddev	.0027	.0249	.0011	.0004	.0001	1.5	.0002	.0004	.0004	.0018	
%RSD	82.47	10.81	15.99	1.494	76.03	.2508	31.34	37.57	299.6	30.24	
#1	.0056	.2080	.0080	.0288	-.0003	607.3	-.0004	.0009	.0039	-.0049	
#2	.0003	.2257	.0059	.0295	-.0002	606.7	-.0008	.0008	.0022	-.0050	
#3	.0039	.2571	.0066	.0295	.0000	609.6	-.0008	.0015	-.0027	-.0081	
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	
Avg	1.952	14.53	118.0	11.57	.0104	102.3	.0037	-.0010	-.0017	.0037	
Stddev	.007	.26	.2	.02	.0005	.2	.0003	.0007	.0007	.0067	
%RSD	.3861	1.789	.1869	.1706	4.791	.2391	8.268	73.41	39.19	179.5	
#1	1.949	14.30	118.2	11.59	.0106	102.1	.0040	-.0009	-.0022	.0108	
#2	1.960	14.47	117.8	11.57	.0107	102.1	.0037	-.0003	-.0010	-.0025	
#3	1.946	14.81	118.1	11.55	.0098	102.6	.0034	-.0018	-.0020	.0029	
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062				
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)				
Avg	6.329	-.0004	4.462	.0058	.0164	.0097	.0312				
Stddev	.004	.0001	.009	.0004	.0044	.0013	.0005				
%RSD	.0634	32.28	.2098	6.817	26.93	13.15	1.487				
#1	6.325	-.0005	4.452	.0058	.0214	.0111	.0317				
#2	6.329	-.0003	4.469	.0062	.0145	.0088	.0311				
#3	6.333	-.0003	4.466	.0054	.0132	.0090	.0308				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710							
Avg	1787.5	4837.5	33847.	5390.3							
Stddev	2.4	5.9	110.	37.8							
%RSD	.13640	.12099	.32452	.70196							
#1	1786.2	4843.5	33720.	5348.4							
#2	1790.3	4837.1	33904.	5422.0							
#3	1785.9	4831.9	33916.	5400.5							

Sample Name: MP30232-SD1 Acquired: 4/12/2016 15:46:45 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	
Avg	.0058	.2512	.0067	.0334	.0001	613.1	-.0009	.0027	-.0057	-.0085	
Stddev	.0050	.0989	.0025	.0016	.0012	1.3	.0010	.0018	.0090	.0078	
%RSD	86.23	39.38	37.74	4.912	1408.	.2107	108.3	68.39	159.7	91.82	
#1	.0068	.1525	.0093	.0343	.0005	614.4	-.0010	.0046	-.0150	-.0128	
#2	.0004	.2509	.0064	.0343	-.0013	611.8	.0001	.0010	.0031	.0005	
#3	.0102	.3503	.0043	.0315	.0011	613.0	-.0019	.0023	-.0051	-.0131	
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	
Avg	1.952	14.25	121.1	11.91	.0055	103.7	.0075	-.0473	-.0143	.0289	
Stddev	.038	.60	.5	.02	.0021	.4	.0026	.0154	.0198	.0081	
%RSD	1.965	4.219	.4392	.1986	37.89	4101	35.19	32.49	138.3	28.14	
#1	1.985	14.04	120.6	11.89	.0057	104.2	.0044	-.0646	-.0315	.0269	
#2	1.910	13.78	121.7	11.89	.0074	103.4	.0091	-.0424	-.0187	.0220	
#3	1.961	14.92	121.0	11.93	.0033	103.5	.0088	-.0350	.0073	.0379	
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062				
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)				
Avg	6.290	-.0001	4.490	.0218	.0463	.0115	.1653				
Stddev	.019	.0049	.008	.0022	.0190	.0037	.0019				
%RSD	.3091	3413.	.1696	10.19	41.11	31.90	1.153				
#1	6.275	.0012	4.496	.0222	.0653	.0148	.1639				
#2	6.284	-.0056	4.482	.0194	.0465	.0076	.1646				
#3	6.312	.0039	4.493	.0238	.0272	.0122	.1675				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710							
Avg	1790.0	4868.1	33647.	5488.3							
Stddev	3.6	6.9	139.	19.2							
%RSD	.20302	.14095	.41237	.35067							
#1	1790.2	4869.3	33763.	5475.0							
#2	1793.6	4874.3	33686.	5479.6							
#3	1786.3	4860.7	33494.	5510.4							

Sample Name: MP30232-PS1 Acquired: 4/12/2016 15:50:51 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0471	2.859	.1128	.3061	.0536	593.9	.0521	.0525	.0542	.1016
Stddev	.0022	.037	.0020	.0011	.0006	.4	.0005	.0008	.0009	.0018
%RSD	4.570	1.284	1.787	.3596	1.187	.0622	.8909	1.464	1.666	1.817
#1	.0477	2.892	.1110	.3072	.0529	594.2	.0519	.0534	.0545	.1014
#2	.0489	2.864	.1150	.3062	.0542	594.0	.0518	.0521	.0549	.0999
#3	.0447	2.819	.1124	.3050	.0536	593.5	.0526	.0521	.0532	.1036
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	5.184	27.00	120.0	11.28	.1171	114.7	.1064	.0513	.1070	.1039
Stddev	.019	.16	.4	.03	.0005	.2	.0005	.0030	.0056	.0036
%RSD	.3690	.5960	.3166	.2510	4.144	.1687	4.626	5.949	5.231	3.477
#1	5.205	27.18	120.0	11.28	.1165	114.8	.1059			

Sample Name: MP30232-S1 Acquired: 4/12/2016 15:54:56 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Avg	.0534	29.28	2.114	2.256	.0563	677.3	.0530	5.267	2.148	2.685
Stddev	.0025	.03	.002	.003	.0003	1.3	.0002	.0012	.0015	.0012
%RSD	4.599	.0865	.0831	.1186	.5286	.1892	.4147	.2207	.7175	.4464

#1	.0563	29.26	2.113	2.254	.0560	676.4	.0528	5.280	2.152	2.673
#2	.0522	29.31	2.114	2.259	.0566	678.8	.0532	5.265	2.131	2.685
#3	.0518	29.28	2.116	2.256	.0562	676.9	.0530	5.257	2.162	2.697

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	30.99	44.06	153.7	12.98	5215	137.0	5347	5342	5348	2.118
Stddev	.20	.06	.3	.05	.0011	.3	.0005	.0006	.0052	.012
%RSD	.6575	.1458	.2025	.3965	.2062	.2496	.0939	.1070	.9734	.5496

#1	30.77	44.00	153.9	13.04	5224	136.7	5345	5336	5361	2.130
#2	31.04	44.13	153.9	12.94	5218	137.3	5352	5341	5393	2.107
#3	31.17	44.04	153.4	12.96	5203	136.9	5343	5347	5291	2.116

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	6.831	5.206	5.401	5.329	2.135	5.299	5.825
Stddev	.005	.0002	.019	.0009	.010	.0023	.0007
%RSD	.0803	.0458	.3550	.1611	.4578	.4424	.1237

#1	6.827	5.203	5.381	5.339	2.124	5.319	5.822
#2	6.837	5.207	5.402	5.328	2.142	5.273	5.820
#3	6.829	5.207	5.420	5.322	2.139	5.303	5.833

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1762.6	4807.8	33597.	5358.7
Stddev	4.6	6.8	228.	28.4
%RSD	.26199	.14227	.67959	.52970

#1	1767.9	4814.9	33345.	5340.5
#2	1759.1	4807.0	33791.	5344.2
#3	1761.0	4801.3	33654.	5391.4

Sample Name: MP30232-S2 Acquired: 4/12/2016 15:58:54 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Avg	.0505	29.15	2.115	2.240	.0553	671.6	.0524	5.237	2.173	2.655
Stddev	.0012	.13	.005	.007	.0001	1.5	.0001	.0008	.0006	.0025
%RSD	2.440	.4453	.2300	.3321	.1130	.2290	.1611	.1440	.2964	.9415

#1	.0492	29.23	2.119	2.249	.0553	673.0	.0524	5.231	2.180	2.683
#2	.0517	29.21	2.109	2.236	.0554	670.0	.0523	5.246	2.169	2.636
#3	.0506	29.00	2.116	2.236	.0553	671.9	.0525	5.236	2.170	2.647

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	30.67	43.81	152.6	12.90	5194	135.9	5321	5309	5262	2.097
Stddev	.15	.17	.4	.03	.0005	.3	.0020	.0029	.0040	.001
%RSD	.4763	.3902	.2510	.2248	.0989	.2364	.3702	.5536	.7556	.0674

#1	30.75	43.93	152.7	12.88	5196	136.2	5328	5340	5302	2.095
#2	30.51	43.88	152.2	12.93	5189	135.6	5299	5281	5222	2.097
#3	30.77	43.61	153.0	12.89	5198	135.7	5337	5307	5261	2.098

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	6.782	5.194	5.351	5.313	2.132	5.261	5.948
Stddev	.016	.0009	.024	.0012	.006	.0034	.0007
%RSD	.2321	.1669	.4469	.2209	.2909	.6430	.1190

#1	6.791	5.192	5.377	5.314	2.125	5.299	5.950
#2	6.764	5.186	5.329	5.324	2.137	5.249	5.940
#3	6.792	5.203	5.348	5.301	2.133	5.235	5.953

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1757.2	4799.0	33383.	5330.2
Stddev	3.0	7.7	161.	39.3
%RSD	.17198	.16141	.48355	.73673

#1	1755.0	4791.2	33455.	5329.3
#2	1756.0	4799.2	33198.	5370.0
#3	1760.7	4806.7	33495.	5291.4

Sample Name: FA32955-1 Acquired: 4/12/2016 16:02:53 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0030	.0587	.1062	.1999	-.0002	416.9	-.0007	.0525	.0445
Stddev	.0012	.0608	.0045	.0015	.0001	.8	.0003	.0001	.0017
%RSD	39.52	103.5	4.235	.7363	55.20	.1937	46.40	.2802	3.711

#1	.0020	.1043	.1040	.1982	-.0001	416.0	-.0005	.0524	.0427
#2	.0042	-.0103	.1032	.2010	-.0003	417.3	-.0005	.0525	.0459
#3	.0026	.0820	.1113	.2005	-.0003	417.5	-.0011	.0527	.0449

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0042	2.655	F739.7	139.7	4.405	.1304	F2547.	.4022	-.0003
Stddev	.0003	.005	4.4	.4	.006	.0003	.98	.0001	.0032
%RSD	6.393	.2090	.5984	.2516	.1380	.2387	3.859	.0189	1280.

#1	-.0041	2.649	738.9	139.4	4.411	.1306	2637.	.4021	-.0001
#2	-.0039	2.659	744.5	140.1	4.399	.1300	2562.	.4021	.0029
#3	-.0045	2.658	735.8	139.7	4.404	.1305	2442.	.4022	-.0035

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0030	.0203	14.32	.0019	6.948	.0156	.0259	.0987	.0524
Stddev	.0072	.0108	.02	.0009	.020	.0009	.0042	.0026	.0001
%RSD	238.7	53.23	.1234	46.74	.2889	5.694	16.13	2.632	.2270

#1	-.0032	.0325	14.33	.0030	6.925	.0161	.0238	.0977	.0523
#2	.0109	.0123	14.31	.0013	6.963	.0162	.0233	.1017	.0525
#3	.0014	.0159	14.34	.0015	6.956	.0146	.0308	.0968	.0524

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1686.3	4714.0	33476.	5379.2
Stddev	1.6	5.9	69.	30.7
%RSD	.09719	.12438	.20512	.57105

#1	1686.5	4720.7	33421.	5348.0
#2	1687.9	4711.6	33553.	5380.1
#3	1684.6	4709.7	33455.	5409.4

Sample Name: FA32955-2 Acquired: 4/12/2016 16:07:05 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0032	.0160	.0704	.0198	.0001	751.0	-.0007	.0003	-.0005
Stddev	.0003	.0731	.0022	.0010	.0003	8.9	.0002	.0006	.0002
%RSD	9.997	456.3	3.154	4.814	280.1	1.183	31.57	206.8	38.20

#1	-.0033	.0149	.0679	.0201	.0004	741.2	-.0007	-.0003	-.0003
#2	-.0029	-.0565	.0711	.0205	.0001	758.4	-.0010	.0003	-.0007
#3	-.0035	.0897	.0722	.0187	-.0001	753.4	-.0005	.0010	-.0004

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Sample Name: FA32955-3 Acquired: 4/12/2016 16:11:25 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.028	0.371	.0051	.0183	.0002	707.1	-0.008	.0013	.0002
Stddev	.0008	.0677	.0010	.0007	.0006	1.1	.0003	.0007	.0007
%RSD	27.11	182.2	20.23	4.041	245.7	.1510	33.38	55.98	353.7
#1	-0.034	.0365	.0063	.0186	-.0002	707.7	-.0011	.0021	-.0003
#2	-.0020	.1051	.0049	.0188	.0009	707.7	-.0009	.0012	-.0006
#3	-.0031	-.0302	.0042	.0175	.0001	705.8	-.0005	.0006	.0009
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.135	8.209	23.76	230.9	.3289	.0149	F758.9	.0124	-.0019
Stddev	.0011	.0133	.13	.2	.0005	.0009	11.9	.0004	.0062
%RSD	7.916	1.624	.5373	.0659	.1592	6.213	1.570	3.217	324.0
#1	-.0123	8.303	23.84	231.0	.3292	.0138	772.4	.0128	-.0027
#2	-.0141	8.056	23.62	231.0	.3292	.0153	750.0	.0120	.0046
#3	-.0142	8.267	23.83	230.7	.3283	.0156	754.3	.0125	-.0077
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0041	.0107	3.059	.0003	13.51	.0040	.0161	.0032	.0570
Stddev	.0048	.0049	.003	.0006	.05	.0007	.0051	.0004	.0003
%RSD	118.7	45.43	.0849	235.0	.4009	17.28	31.74	13.48	.5347
#1	.0027	.0104	3.056	.0008	13.52	.0047	.0151	.0029	.0569
#2	.0001	.0158	3.059	.0004	13.46	.0035	.0217	.0030	.0567
#3	.0094	.0061	3.061	-.0004	13.57	.0037	.0116	.0037	.0573
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1745.0	4768.2	33751.	5320.0					
Stddev	3.8	9.5	149.	25.6					
%RSD	.21759	.19930	.44054	.48066					
#1	1749.2	4778.3	33686.	5312.1					
#2	1744.1	4766.9	33645.	5348.6					
#3	1741.8	4759.4	33921.	5299.4					

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Sample Name: FA32955-4 Acquired: 4/12/2016 16:15:48 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.024	-0.195	.0015	.0172	.0002	681.4	-0.008	.0002	-.0013
Stddev	.0004	.0442	.0029	.0006	.0005	1.0	.0002	.0012	.0012
%RSD	15.71	226.7	194.6	3.419	287.9	.1512	26.93	487.5	91.85
#1	-.0026	.0062	-.0006	.0168	.0005	680.3	-.0010	-.0010	-.0011
#2	-.0027	.0058	.0047	.0169	-.0004	682.3	-.0008	.0005	-.0025
#3	-.0020	-.0706	.0003	.0179	.0003	681.5	-.0005	.0012	-.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.164	9.399	21.92	325.1	.4798	.0125	F831.4	.0059	-.0024
Stddev	.0023	.0140	.14	.3	.0007	.0001	14.5	.0010	.0030
%RSD	13.88	1.487	.6269	.0892	.1426	.4986	1.747	17.44	125.9
#1	-.0166	9.459	21.98	325.0	.4798	.0124	833.3	.0055	-.0028
#2	-.0140	9.240	21.76	325.5	.4805	.0125	816.0	.0051	.0008
#3	-.0185	9.500	22.02	324.9	.4791	.0125	844.9	.0071	-.0052
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0032	.0081	3.020	.0000	14.61	.0041	.0091	.0017	.0849
Stddev	.0031	.0049	.007	.0002	.27	.0007	.0048	.0008	.0001
%RSD	96.14	60.56	.2317	7966.	1.820	17.86	53.46	44.58	.1176
#1	.0063	.0137	3.018	.0003	14.90	.0049	.0035	.0027	.0850
#2	.0002	.0059	3.028	-.0002	14.56	.0038	.0111	.0013	.0848
#3	.0030	.0047	3.014	.0000	14.37	.0036	.0125	.0013	.0849
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1746.8	4781.6	33528.	5260.7					
Stddev	1.7	7.8	154.	41.2					
%RSD	.09648	.16407	.45982	.78314					
#1	1744.9	4774.9	33605.	5238.1					
#2	1747.7	4779.6	33351.	5308.2					
#3	1747.9	4790.2	33629.	5235.6					

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Sample Name: CCV Acquired: 4/12/2016 16:20:11 Type: QC
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2497	39.88	1.997	2.031	2.032	40.17	2.020	2.005	2.015	2.013
Stddev	.0004	.02	.002	.001	.002	.06	.002	.002	.002	.003
%RSD	.1726	.0564	.1010	.0256	.0972	.1370	.0879	.1174	.0798	.1622
#1	.2496	39.86	1.997	2.030	2.030	40.21	2.021	2.006	2.017	2.010
#2	.2502	39.88	1.995	2.031	2.034	40.20	2.018	2.002	2.014	2.016
#3	.2493	39.90	1.999	2.030	2.033	40.11	2.021	2.006	2.015	2.011
Check ?	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass
Value										
Range										
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.74	41.10	40.32	2.057	1.996	39.74	1.998	2.007	1.995	2.004
Stddev	.07	.01	.08	.003	.002	.07	.001	.007	.002	.006
%RSD	.1860	.0217	.1887	.1208	.1172	.1657	.0597	.3725	.0729	.2915
#1	39.65	41.10	40.40	2.056	1.994	39.77	2.000	2.015	1.994	2.010
#2	39.77	41.11	40.26	2.054	1.996	39.78	1.997	2.001	1.994	1.998
#3	39.79	41.10	40.29	2.059	1.999	39.66	1.998	2.004	1.996	2.004
Check ?	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass
Value										
Range										
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm			
Avg	2.062	1.989	2.088	2.041	2.011	2.021	2.022			
Stddev	.001	.002	.002	.003	.005	.001	.003			
%RSD	.0309	.1036	.0899	.1276	.2535	.0676	.1499			
#1	2.063	1.991	2.089	2.040	2.017	2.021	2.025			
#2	2.062	1.987	2.086	2.038	2.011	2.022	2.019			
#3	2.063	1.988	2.089	2.043	2.006	2.019	2.023			
Check ?	None	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass	Chk
Value										
Range										

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Sample Name: CCV Acquired: 4/12/2016 16:20:11 Type: QC
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1728.9	4728.6	33434.	5421.9
Stddev	5.8	7.7	114.	23.3
%RSD	.33297	.16326	.34153	.42996
#1	1722.3	4722.1	33418.	5397.2
#2	1732.4	4737.1	33555.	5443.6
#3	1732.1	4726.5	33329.	5424.8

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Sample Name: CCB Acquired: 4/12/2016 16:24:07 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0071	.0004	.0004	.0003	.0051	.0001	.0000	-.0003
Stddev	.0006	.0175	.0005	.0001	.0001	.0016	.0001	.0001	.0001
%RSD	672.1	247.6	129.1	14.87	25.35	31.58	57.42	217.5	38.04
#1	-.0003	.0024	.0007	.0005	.0003	.0066	.0001	.0000	-.0002
#2	-.0007	.0264	-.0002	.0005	.0002	.0051	.0001	.0001	-.0004
#3	-.0002	-.0076	.0005	.0004	.0002	.0034	.0000	.0000	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	.0296	.0221	-.0120	.0002	F.0022	.0610	.0001	-.0005
Stddev	.0005	.0071	.0139	.0220	.0001	.0007	.0092	.0002	.0011
%RSD	185.4	23.91	63.08	182.5	48.83	33.34	15.11	170.7	210.2
#1	.0000	.0375	.0064	-.0275	.0002	.0031	.0504	.0000	.0002
#2	.0000	.0273	.0329	.0131	.0002	.0020	.0669	.0004	-.0018
#3	-.0008	.0239	.0270	-.0218	.0001	.0016	.0658	.0000	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-.0010			

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0018	.0010	.0005	.0002	.0017	-.0002	.0006	.0000
Stddev	.0007	.0008	.0000	.0000	.0000	.0002	.0004	.0005	.0000
%RSD	168.0	42.05	4.406	5.730	1.046	12.98	186.9	84.71	31.26
#1	.0010	.0014	.0010	.0005	.0002	.0019	.0002	.0011	.0001
#2	-.0004	.0027	.0011	.0005	.0002	.0018	-.0004	.0003	.0000
#3	.0007	.0013	.0010	.0005	.0002	.0014	-.0005	.0002	.0000
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Sample Name: FA32955-5 Acquired: 4/12/2016 16:28:17 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0138	4.896	F32.03	-.1633	.0001	11.68	.0005	.2293	3.807
Stddev	.0011	.0187	.00	.0014	.0003	.01	.0002	.0006	.003
%RSD	8.303	3.829	.0112	.8641	487.7	.0722	47.61	.2677	.0762
#1	.0151	4.728	32.03	.1629	.0001	11.69	.0004	.2292	3.807
#2	.0130	5.098	32.03	.1621	-.0003	11.68	.0003	.2287	3.803
#3	.0132	4.862	32.02	.1649	.0004	11.67	.0007	.2299	3.809

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1077	16.04	F1402	24.78	.2427	.0558	F2777	1.126	.1384
Stddev	.0015	.05	.9	.16	.0002	.0012	.69	.002	.0026
%RSD	1.426	.3394	.6607	.6358	.0746	2.208	2.497	.1678	1.909
#1	.1095	16.07	1407.	24.95	.2429	.0561	2847.	1.125	.1377
#2	.1066	16.07	1407.	24.77	.2428	.0568	2775.	1.128	.1413
#3	.1070	15.98	1391.	24.63	.2425	.0544	2708.	1.125	.1361

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0046	.0317	6.344	.0122	.3858	2.116	.0096	.3799	.0751
Stddev	.0073	.0078	.006	.0001	.0003	.005	.0055	.0019	.0005
%RSD	160.1	24.47	.0952	.7591	.0658	.2462	57.37	.5114	.6930
#1	-.0020	.0290	6.337	.0122	.3859	2.122	.0149	.3803	.0757
#2	-.0011	.0257	6.348	.0121	.3855	2.113	.0039	.3778	.0750
#3	-.0128	.0405	6.348	.0123	.3859	2.114	.0101	.3817	.0747

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1568.0	4433.4	31699	5052.7
Stddev	2.4	2.0	90.	38.3
%RSD	.15174	.04621	.28334	.75802
#1	1568.5	4435.6	31595.	5056.4
#2	1565.3	4431.5	31745.	5012.6
#3	1570.0	4433.1	31756.	5088.9

Sample Name: CCB Acquired: 4/12/2016 16:24:07 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1747.7	4790.4	32876.	5390.5
Stddev	3.1	11.2	68.	28.6
%RSD	.17707	.23471	.20639	.53085
#1	1748.7	4784.1	32798.	5357.5
#2	1744.3	4783.6	32916.	5408.1
#3	1750.2	4803.4	32915.	5405.8

Sample Name: FA32955-6 Acquired: 4/12/2016 16:32:29 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0023	-.0185	.0076	.0155	.0000	593.6	-.0005	-.0001	-.0008
Stddev	.0018	.0488	.0029	.0003	.0004	2.3	.0003	.0003	.0015
%RSD	80.06	264.3	38.73	2.068	1883.	.3809	47.60	425.3	177.6
#1	-.0038	-.0532	.0073	.0154	-.0004	596.0	-.0008	-.0004	-.0003
#2	-.0028	-.0395	.0048	.0152	.0004	593.4	-.0005	-.0001	.0025
#3	-.0002	.0373	.0107	.0159	.0001	591.5	-.0003	.0002	.0002

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0230	5.479	17.86	392.4	.3220	.0137	F712.2	.0021	-.0020
Stddev	.0025	.0094	.14	1.1	.0018	.0006	4.9	.0002	.0043
%RSD	10.71	1.712	.7734	.2688	.5583	4.267	.6899	8.709	216.0
#1	-.0222	.5526	17.89	393.6	.3232	.0133	706.6	.0020	-.0064
#2	-.0212	.5371	17.98	391.8	.3200	.0144	715.2	.0023	.0023
#3	-.0258	.5539	17.71	391.9	.3229	.0136	714.9	.0021	-.0019

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0021	.0069	2.914	.0008	12.38	.0045	.0188	.0033	.1502
Stddev	.0035	.0051	.007	.0007	.06	.0010	.0044	.0015	.0004
%RSD	164.4	74.16	.2575	81.78	.4730	21.55	23.62	44.03	.2727
#1	-.0059	.0010	2.906	.0011	12.44	.0040	.0163	.0047	.1499
#2	-.0014	.0102	2.916	.0013	12.34	.0057	.0239	.0035	.1499
#3	.0009	.0095	2.920	.0001	12.35	.0039	.0161	.0018	.1506

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1787.2	4882.8	34269.	5316.4
Stddev	3.6	3.2	207.	22.3
%RSD	.19964	.06487	.60437	.41863
#1	1790.2	4882.6	34136.	5291.7
#2	1788.2	4886.1	34507.	5334.9
#3	1783.2	4879.7	34163.	5322.5

Sample Name: FA32955-7 Acquired: 4/12/2016 16:36:44 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.028	0.378	0.024	0.191	0.005	602.3	-0.005	0.005	0.001
Stddev	0.010	0.0851	0.004	0.008	0.002	.7	0.001	0.004	0.028
%RSD	34.94	225.1	1.132	4.304	35.00	.1143	21.39	74.98	2002.
#1	-0.039	-0.057	0.020	0.198	0.007	602.8	-0.005	0.001	0.012
#2	-0.027	0.1083	0.0327	0.182	0.005	602.6	-0.003	0.008	0.022
#3	-0.019	0.0618	0.0325	0.192	0.003	601.5	-0.005	0.005	-0.030
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	-0.292	4.673	21.37	510.6	7.456	0.134	F1062.	0.043	-0.075
Stddev	0.013	0.085	0.05	1.2	0.012	0.006	1.	0.013	0.046
%RSD	4.487	1.821	0.2517	0.2321	0.1623	4.442	0.1318	30.27	61.40
#1	-0.287	4.748	21.42	511.5	7.450	0.130	1063.	0.033	-0.022
#2	-0.307	4.691	21.31	509.3	7.448	0.141	1063.	0.057	-0.108
#3	-0.282	4.581	21.37	511.1	7.470	0.131	1061.	0.038	-0.093
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.001	0.041	3.920	0.003	13.08	0.057	0.165	0.032	0.244
Stddev	0.012	0.041	0.02	0.009	0.00	0.002	0.041	0.013	0.005
%RSD	793.2	98.64	0.0577	313.5	0.0204	3.328	24.67	40.35	1.936
#1	0.014	0.074	3.917	0.007	13.08	0.057	0.118	0.019	0.248
#2	-0.010	0.054	3.921	-0.008	13.07	0.058	0.188	0.044	0.246
#3	0.000	-0.004	3.921	0.009	13.07	0.054	0.189	0.032	0.239
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1731.2	4757.5	33392.	5230.2					
Stddev	.9	1.2	104.	28.7					
%RSD	0.05209	0.02584	0.31236	0.54885					
#1	1730.9	4756.1	33481.	5197.3					
#2	1730.6	4758.3	33417.	5249.6					
#3	1732.3	4758.0	33277.	5243.9					

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Sample Name: FA32955-8 Acquired: 4/12/2016 16:40:58 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.046	0.1759	0.184	0.205	0.000	624.4	-0.008	0.001	-0.002
Stddev	0.009	0.0854	0.010	0.012	0.002	.5	0.001	0.006	0.019
%RSD	19.02	48.57	5.254	5.822	1415.	0.807	9.139	28.52	1148.
#1	-0.049	0.2651	0.173	0.191	0.000	624.9	-0.009	0.027	-0.023
#2	-0.053	0.1679	0.189	0.211	0.002	624.5	-0.008	0.019	0.014
#3	-0.036	0.0948	0.189	0.213	-0.002	623.9	-0.008	0.016	0.004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	-0.275	1.383	19.61	528.2	2.138	0.111	F1353.	0.038	-0.052
Stddev	0.007	0.018	0.15	1.2	0.04	0.007	40.	0.001	0.011
%RSD	2.568	1.322	0.7799	0.2314	0.1629	5.946	2.942	0.1590	20.36
#1	-0.276	1.362	19.47	528.6	2.136	0.107	1388.	0.038	-0.063
#2	-0.268	1.388	19.58	529.2	2.142	0.119	1361.	0.039	-0.050
#3	-0.282	1.398	19.77	526.8	2.135	0.107	1310.	0.039	-0.042
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.036	0.083	4.232	-0.008	11.61	0.047	0.203	0.027	0.663
Stddev	0.052	0.033	0.11	0.004	0.1	0.003	0.074	0.003	0.003
%RSD	144.2	39.63	0.2574	53.77	0.0533	6.606	36.54	13.00	0.492
#1	-0.057	0.062	4.244	-0.004	11.61	0.045	0.281	0.030	0.662
#2	0.023	0.121	4.227	-0.012	11.60	0.050	0.196	0.026	0.666
#3	-0.075	0.066	4.224	-0.008	11.60	0.045	0.133	0.024	0.660
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1729.1	4772.0	33435.	5195.8					
Stddev	1.6	8.1	233.	41.1					
%RSD	0.09490	0.17018	0.69694	0.79057					
#1	1730.9	4766.6	33566.	5187.2					
#2	1729.0	4768.0	33166.	5159.7					
#3	1727.6	4781.3	33573.	5240.5					

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9.2

9

Sample Name: FA32955-9 Acquired: 4/12/2016 16:45:13 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.033	0.200	0.082	0.263	-0.001	621.0	-0.007	0.026	0.004
Stddev	0.033	0.154	0.027	0.014	0.002	1.9	0.002	0.013	0.008
%RSD	100.1	76.70	32.15	5.156	157.3	0.3123	25.04	50.06	195.1
#1	-0.048	0.239	0.113	0.278	-0.001	621.3	-0.008	0.019	-0.004
#2	-0.056	0.331	0.067	0.256	0.001	622.8	-0.007	0.040	0.011
#3	0.005	0.031	0.067	0.254	-0.003	619.0	-0.005	0.017	0.005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.206	7.073	27.82	310.3	2.231	0.565	F1905.	1.498	0.043
Stddev	0.014	0.166	0.07	1.6	0.04	0.014	26.	0.009	0.013
%RSD	6.867	2.352	0.2553	0.1780	0.1922	2.481	1.372	0.5781	29.77
#1	-0.222	7.261	27.81	310.1	2.229	0.551	1913.	1.506	0.029
#2	-0.195	6.946	27.89	310.9	2.227	0.566	1925.	1.489	0.048
#3	-0.200	7.011	27.75	309.9	2.236	0.579	1875.	1.499	0.053
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.034	0.064	4.072	0.010	10.70	0.044	0.212	0.024	0.552
Stddev	0.041	0.040	0.19	0.002	0.2	0.008	0.030	0.012	0.002
%RSD	120.8	62.20	0.4684	20.50	0.1940	19.10	14.10	50.68	2937
#1	-0.006	0.028	4.089	0.012	10.71	0.051	0.218	0.038	0.551
#2	0.076	0.058	4.052	0.010	10.72	0.035	0.179	0.014	0.552
#3	0.032	0.106	4.076	0.008	10.68	0.045	0.238	0.020	0.554
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1718.3	4779.2	33167.	5142.4					
Stddev	1.5	6.4	21.	41.0					
%RSD	0.08869	0.13368	0.06478	0.79776					
#1	1717.0	4772.5	33142.	5178.1					
#2	1719.9	4785.2	33180.	5097.6					
#3	1717.9	4780.0	33178.	5151.5					

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Sample Name: FA32955-10 Acquired: 4/12/2016 16:49:28 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.039	0.138	0.190	0.175	0.001	661.8	-0.009	0.008	0.011
Stddev	0.023	0.064	0.038	0.008	0.002	1.2	0.001	0.004	0.013
%RSD	59.18	466.5	19.77	4.571	158.5	0.1869	13.41	51.73	116.2
#1	-0.014	-0.037	0.150	0.181	-0.001	663.1	-0.008	0.004	-0.003
#2	-0.044	0.086	0.224	0.179	0.002	660.6	-0.009	0.008	0.022
#3	-0.059	-0.095	0.196	0.166	0.003	661.6	-0.010	0.012	0.014
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	N	

Sample Name: FA32955-12 Acquired: 4/12/2016 16:53:43 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3)

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Sample Name: FA32955-13 Acquired: 4/12/2016 16:58:04 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3)

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Sample Name: FA32955-14 Acquired: 4/12/2016 17:02:25 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3)

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Sample Name: FA32955-15 Acquired: 4/12/2016 17:06:49 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3)

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Sample Name: CCV Acquired: 4/12/2016 17:11:12 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2525	40.18	1.989	2.049	2.077	40.10	2.037	2.018	2.018
Stddev	.0007	.05	.005	.004	.006	.03	.001	.001	.001
%RSD	.2754	.1252	.2432	.1981	.2799	.0807	.0447	.0628	.0453
#1	.2520	40.22	1.984	2.053	2.083	40.06	2.036	2.017	2.019
#2	.2523	40.12	1.989	2.045	2.072	40.13	2.038	2.019	2.017
#3	.2533	40.20	1.993	2.050	2.074	40.11	2.037	2.019	2.018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.050	40.15	39.77	40.41	2.081	2.010	F33.04	1.993	2.038
Stddev	.004	.06	.07	.11	.005	.003	.06	.003	.002
%RSD	.2060	.1547	.1880	.2807	.2588	.1579	.1934	.1286	.0813
#1	2.052	40.16	39.84	40.28	2.079	2.006	33.03	1.991	2.037
#2	2.052	40.09	39.69	40.45	2.077	2.011	32.99	1.992	2.039
#3	2.045	40.21	39.76	40.49	2.087	2.013	33.11	1.996	2.037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							40.00		
Range							-10.00%		

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.997	1.995	2.173	1.962	2.137	2.080	2.040	2.036	2.038
Stddev	.005	.004	.009	.004	.001	.006	.002	.003	.001
%RSD	.2711	.1997	.4252	.2034	.0666	.2699	.0950	.1402	.0689
#1	1.996	1.991	2.183	1.959	2.138	2.076	2.043	2.038	2.038
#2	1.992	1.994	2.171	1.961	2.135	2.077	2.039	2.038	2.039
#3	2.003	1.999	2.165	1.967	2.137	2.086	2.039	2.033	2.036
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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Sample Name: CCV Acquired: 4/12/2016 17:11:12 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1706.6	4707.9	32873.	5268.1
Stddev	3.0	7.1	198.	9.4
%RSD	.17717	.15048	.60330	.17917
#1	1705.6	4708.2	32931.	5265.4
#2	1704.2	4700.8	33036.	5278.6
#3	1710.0	4714.9	32652.	5260.3

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Sample Name: CCB Acquired: 4/12/2016 17:15:07 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-0.0046	.0013	.0002	.0001	.0007	.0000	.0000	-0.0003
Stddev	.0002	.0173	.0001	.0000	.0000	.0041	.0000	.0002	.0001
%RSD	123.0	376.7	11.18	15.57	12.76	617.8	34.68	924.5	18.56
#1	.0003	.0011	.0011	.0003	.0001	.0016	.0000	.0001	-0.0003
#2	.0002	-0.0240	.0014	.0002	.0001	-0.0038	.0000	-0.0002	-0.0003
#3	-0.001	.0091	.0013	.0002	.0001	.0041	.0001	.0002	-0.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	.0227	.3244	-0.0655	.0001	F.0037	4.866	.0001	-0.0006
Stddev	.0005	.0042	.0169	.0225	.0000	.0007	.0068	.0001	.0005
%RSD	103.0	18.31	5.223	348.4	30.58	17.87	1.393	234.5	81.95
#1	.0000	.0270	.3414	-0.0325	.0001	.0044	4.933	.0002	-0.0011
#2	-0.0011	.0223	.3244	.0058	.0002	.0036	4.869	-0.0001	-0.0001
#3	-0.0004	.0187	.3075	.0073	.0002	.0031	4.797	.0001	-0.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-.0010			

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	.0013	.0244	.0010	.0001	.0013	.0006	.0002	.0000
Stddev	.0009	.0006	.0015	.0002	.0001	.0002	.0006	.0006	.000
%RSD	72.74	42.63	6.288	17.85	43.71	15.16	97.32	377.3	156.2
#1	.0013	.0007	.0259	.0011	.0002	.0015	.0005	-0.0004	.0000
#2	.0003	.0018	.0244	.0008	.0001	.0014	.0013	.0000	.0000
#3	.0020	.0015	.0228	.0010	.0001	.0011	.0001	.0009	.0000
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 4/12/2016 17:15:07 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1742.5	4880.5	32548.	5414.4
Stddev	3.3	10.2	117.	34.0
%RSD	.19035	.20855	.35822	.62730
#1	1744.3	4886.7	32420.	5376.2
#2	1738.7	4885.9	32574.	5441.2
#3	1744.6	4868.7	32648.	5425.8

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Sample Name: FA32955-16 Acquired: 4/12/2016 17:19:17 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stdev, %RSD, #1, #2, #3, Int. Std., Avg, Stdev, %RSD, #1, #2, #3)

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Sample Name: FA32955-17 Acquired: 4/12/2016 17:23:38 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stdev, %RSD, #1, #2, #3, Int. Std., Avg, Stdev, %RSD, #1, #2, #3)

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Sample Name: FA32955-18 Acquired: 4/12/2016 17:28:01 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stdev, %RSD, #1, #2, #3, Int. Std., Avg, Stdev, %RSD, #1, #2, #3)

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Sample Name: FA32955-19 Acquired: 4/12/2016 17:32:22 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stdev, %RSD, #1, #2, #3, Int. Std., Avg, Stdev, %RSD, #1, #2, #3)

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Sample Name: FA32955-20 Acquired: 4/12/2016 17:36:35 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0024	.0566	.2052	.6253	.0000	41.65	-.0005	.0289	.0913
Stddev	.0013	.0184	.0020	.0022	.0004	.21	.0001	.0001	.0023
%RSD	52.61	32.53	.9682	.3560	1423.	.5079	31.10	.2193	2.544
#1	.0026	.0727	.2041	.6257	-.0002	41.88	-.0004	.0289	.0913
#2	.0036	.0605	.2040	.6273	.0004	41.47	-.0004	.0289	.0890
#3	.0011	.0365	.2075	.6229	-.0001	41.60	-.0006	.0288	.0937
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0043	1.066	F1598.	52.33	1.587	1.366	F2164.	.2890	.0000
Stddev	.0006	.006	.26	.42	.004	.001	.49	.0009	.002
%RSD	14.23	.5995	1.630	.8030	.2229	.1027	2.278	.2995	5367.
#1	-.0040	1.073	1628.	52.64	1.590	1.365	2202.	.2900	-.0004
#2	-.0040	1.061	1586.	51.86	1.583	1.366	2181.	.2885	-.0022
#3	-.0050	1.062	1580.	52.51	1.588	1.368	2108.	.2884	.0024
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0115	.0425	12.68	.0052	2.150	.0733	.0152	.2820	.0412
Stddev	.0031	.0016	.02	.0023	.007	.0003	.0028	.0023	.0001
%RSD	26.70	3.770	.1605	42.99	.3349	.4517	18.19	.7989	.2874
#1	.0109	.0441	12.67	.0038	2.158	.0735	.0123	.2843	.0412
#2	.0088	.0425	12.67	.0078	2.147	.0734	.0178	.2798	.0410
#3	.0149	.0409	12.71	.0041	2.144	.0729	.0155	.2820	.0413
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1651.0	4728.7	32973.	5219.3					
Stddev	2.7	1.2	89.	88.3					
%RSD	.16057	.02489	.26925	1.6923					
#1	1649.3	4728.0	32951.	5144.2					
#2	1649.6	4728.0	33070.	5316.6					
#3	1654.0	4730.0	32897.	5197.0					

Sample Name: MP30234-MB1 Acquired: 4/12/2016 17:40:47 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ti1908	V_2924	Zn2062	
Units	ppm	ppm	ppm	
Avg	-.0037	.0007	F.0370	
Stddev	.0038	.0005	.0002	
%RSD	103.5	71.41	.6516	
#1	-.0073	.0003	.0368	
#2	.0003	.0005	.0369	
#3	-.0041	.0013	.0372	
Check ?	Chk Pass	Chk Pass	Chk Fail	
High Limit			.0100	
Low Limit			-.0100	
Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1722.7	4811.5	32325.	5240.0
Stddev	2.9	6.4	146.	47.7
%RSD	.16944	.13256	.45246	.91053
#1	1720.4	4818.4	32270.	5185.5
#2	1721.8	4805.8	32215.	5274.4
#3	1726.0	4810.3	32491.	5260.2

Sample Name: MP30234-MB1 Acquired: 4/12/2016 17:40:47 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0010	F.1112	-.0030	.0015	-.0002	.0137	-.0001	.0000	.001	
Stddev	.0018	.0348	.0024	.0003	.0004	.0067	.0002	.0001		
%RSD	184.7	31.27	81.15	21.76	221.3	48.76	168.8	3290.		
#1	-.0019	.1451	-.0046	.0017	-.0002	.0213	.0001	-.0002		
#2	.0011	.1131	-.0002	.0017	.0002	.0089	-.0002	.0006		
#3	-.0022	.0756	-.0041	.0011	-.0006	.0109	-.0002	-.0004		
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.1000								
Low Limit		-.1000								
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895		
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm		
Avg	-.0007	-.0004	.0468	F3.700	-.0160	.0011	.0054	F4.875		
Stddev	.0008	.0009	.0095	.273	.0514	.0003	.0011	.144		
%RSD	129.4	242.9	20.23	7.367	321.5	28.94	20.50	2.950		
#1	.0001	.0006	.0472	3.798	-.0646	.0014	.0065	5.031		
#2	-.0016	-.0006	.0371	3.909	.0378	.0008	.0043	4.846		
#3	-.0005	-.0011	.0561	3.392	-.0212	.0010	.0052	4.748		
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail		
High Limit				2.500				2.500		
Low Limit				-2.500				-2.500		
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm		
Avg	-.0009	F-.0037	.0011	-.0006	.0977	F.0458	-.0001	.0019		
Stddev	.0004	.0029	.0008	.0054	.0077	.0013	.0005	.0002		
%RSD	47.15	78.06	71.64	896.1	7.888	2.751	533.5	9.636		
#1	-.0004	-.0040	.0016	-.0046	.1037	.0457	-.0003	.0019		
#2	-.0011	-.0007	.0002	-.0028	.1004	.0471	.0005	.0017		
#3	-.0012	-.0065	.0014	.0056	.0890	.0446	-.0004	.0020		
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass		
High Limit		.0025				.0250				
Low Limit		-.0025				-.0250				

Sample Name: MP30234-B1 Acquired: 4/12/2016 17:44:56 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0477	27.08	1.908	2.062	.0515	25.27	.0502	.4916	.2015	.2462
Stddev	.0031	.19	.006	.009	.0006	.11	.0002	.0007	.0015	.0005
%RSD	6.402	.7162	.2988	.4542	1.097	4.399	.4392	1.504	.7270	.2091
#1	.0495	27.13	1.908	2.068	.0516	25.25	.0500	.4922	.2017	.2467
#2	.0495	26.86	1.902	2.052	.0509	25.17	.0504	.4907	.1999	.2459
#3	.0442	27.24	1.913	2.068	.0520	25.39	.0501	.4918	.2028	.2459
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range										
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.73	27.56	25.27	.5362	.4770	25.12	.4952	.5040	.4693	1.899
Stddev	.08	.09	.17	.0011	.0012	.15	.0008	.0049	.0104	.005
%RSD	.3081	.3131	.6883	.1964	.2521	.5795	.1530	.9734	2.212	.2401
#1	26.81	27.66	25.41	.5366	.4756	25.12	.4960	.5094	.4603	1.901
#2	26.64	27.50	25.07	.5349	.4775	24.98	.4946	.4998	.4668	1.902
#3	26.74	27.53	25.32	.5369	.4778	25.27	.4949	.5028	.4806	1.893
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range										
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm			
Avg	.0654	.5248	.5069	.5053	1.965	.4871	.5508			
Stddev	.0026	.0002	.0037	.0007	.003	.0020	.0004			
%RSD	3.991	.0340	.7280	.1441	.1646	.4157	.0736			
#1	.0649	.5248	.5110	.5061	1.963	.4895	.5512			
#2	.0682	.5246	.5038	.5052	1.964	.4858	.5504			
#3	.0631	.5250	.5058	.5047	1.969	.4861	.5507			
Check ?	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass			
Value Range										

Sample Name: MP30234-B1 Acquired: 4/12/2016 17:44:56 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1754.3	4858.1	3275.8	5247.4
Stddev	3.3	15.8	217.	33.0
%RSD	.18595	.32446	.66335	.62944
#1	1751.3	4844.3	32616.	5209.9
#2	1757.8	4875.3	33008.	5272.1
#3	1753.7	4854.7	32650.	5260.3

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Sample Name: FA31884-1A Acquired: 4/12/2016 17:48:55 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0085	467.9	.1124	2.030	.0147	63.41	.0000	.0780	.6086	.3049
Stddev	.0007	.2	.0053	.003	.0003	.17	.0002	.0008	.0013	.0006
%RSD	8.732	.0358	4.678	.1224	2.160	.2610	518.9	.9888	.2138	.2077
#1	.0082	468.1	.1185	2.031	.0144	63.24	-.0001	.0775	.6076	.3052
#2	.0093	467.9	.1091	2.027	.0149	63.44	.0003	.0776	.6101	.3042
#3	.0079	467.8	.1097	2.031	.0149	63.57	.0000	.0789	.6081	.3054
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	311.3	29.31	58.61	4.531	.0145	5.222	4.803	8.322	.0058	.0046
Stddev	.4	.11	.04	.007	.0012	.044	.0019	.005	.0024	.0058
%RSD	.1185	.3709	.0694	.1518	7.957	.8505	.3894	.0550	41.19	126.8
#1	311.7	29.44	58.66	4.538	.0152	5.237	.4824	8.327	.0073	.0108
#2	311.0	29.27	58.60	4.527	.0151	5.258	.4789	8.318	.0072	.0036
#3	311.1	29.23	58.58	4.526	.0131	5.172	.4795	8.322	.0031	-.0007
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	3.788	.0478	.8050	11.46	-.0078	.5915	.6297			
Stddev	.005	.0014	.0025	.01	.0031	.0003	.0007			
%RSD	.1363	3.032	.3098	.1059	39.29	.0542	.1119			
#1	3.791	.0485	.8066	11.47	-.0043	.5914	.6295			
#2	3.790	.0487	.8062	11.44	-.0102	.5913	.6290			
#3	3.782	.0461	.8021	11.46	-.0089	.5919	.6304			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1797.2	5024.6	33853.	5482.7						
Stddev	2.6	2.4	151.	19.5						
%RSD	.14629	.04841	.44749	.35510						
#1	1796.1	5025.6	33737.	5471.2						
#2	1795.4	5021.8	33798.	5471.7						
#3	1800.2	5026.3	34024.	5505.2						

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Sample Name: MP30234-D1 Acquired: 4/12/2016 17:52:57 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0091	419.8	.1006	1.815	.0138	56.52	.0001	.0699	.5405	.2733
Stddev	.0012	.5	.0021	.001	.0002	.14	.0003	.0006	.0017	.0001
%RSD	13.19	.1250	2.082	.0468	1.639	.2399	210.6	.8724	.3147	.0207
#1	.0093	419.9	.1022	1.816	.0138	56.64	.0004	.0695	.5424	.2734
#2	.0078	420.2	.1015	1.815	.0136	56.55	-.0001	.0697	.5391	.2733
#3	.0101	419.2	.0983	1.814	.0140	56.37	.0001	.0706	.5402	.2733
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	280.5	26.47	52.91	4.018	.0119	4.278	4.293	7.413	.0023	-.0009
Stddev	.5	.05	.26	.003	.0008	.058	.0019	.009	.0011	.0050
%RSD	.1908	.2005	.4922	.0807	6.891	1.357	.4324	.1159	49.52	530.5
#1	281.0	26.53	53.21	4.020	.0110	4.294	.4312	7.416	.0017	.0040
#2	280.4	26.45	52.80	4.019	.0120	4.213	4.275	7.419	.0035	-.0059
#3	280.0	26.43	52.73	4.014	.0126	4.326	4.292	7.403	.0016	-.0009
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	3.156	.0441	.7094	10.03	-.0073	.5293	.5712			
Stddev	.004	.0006	.0019	.02	.0061	.0010	.0004			
%RSD	.1105	1.297	.2735	.1612	84.06	.1980	.0728			
#1	3.157	.0445	.7115	10.04	-.0025	.5296	.5708			
#2	3.152	.0435	.7090	10.05	-.0051	.5303	.5717			
#3	3.158	.0444	.7076	10.02	-.0142	.5282	.5712			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1802.3	5013.2	34019.	5453.1						
Stddev	3.7	7.2	98.	39.4						
%RSD	.20324	.14267	.28750	.72338						
#1	1801.9	5020.7	34058.	5438.8						
#2	1798.9	5006.5	34092.	5422.8						
#3	1806.2	5012.3	33908.	5497.7						

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Sample Name: MP30234-D2 Acquired: 4/12/2016 17:57:00 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0083	451.2	.1054	1.914	.0143	59.60	.0005	.0754	.5834	.2884
Stddev	.0021	1.6	.0008	.006	.0005	.32	.0005	.0006	.0022	.0023
%RSD	25.71	.3595	.7749	.3240	3.524	.5391	88.58	.7660	.3702	.7951
#1	.0081	450.4	.1045	1.915	.0147	59.71	.0007	.0757	.5810	.2879
#2	.0106	453.1	.1057	1.920	.0144	59.84	.0000	.0758	.5846	.2909
#3	.0063	450.2	.1060	1.908	.0137	59.23	.0008	.0748	.5848	.2864
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	295.1	27.77	55.75	4.272	.0121	4.270	.4600	7.747	-.0002	.0032
Stddev	1.0	.21	.41	.009	.0003	.030	.0008	.018	.0061	.0024
%RSD	.3280	.7615	.7352	.2051	2.450	.7031	.1791	.2327	3475.	74.59
#1	295.2	27.78	55.79	4.264	.0123	4.236	.4608	7.760	.0011	.0008
#2	296.0	27.98	56.15	4.281	.0123	4.280	.4591	7.727	.0052	.0032
#3	294.0	27.56	55.33	4.270	.0118	4.293	.4600	7.755	-.0068	.0055
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	3.698	.0492	.7517	11.08	-.0029	.5627	.6174			
Stddev	.009	.0011	.0020	.02	.0039	.0035	.0010			
%RSD	.2333	2.248	.2710	.1627	137.1	.6180	.1569			
#1	3.704	.0505	.7534	11.08	.0009	.5630	.6176			
#2	3.701	.0488	.7522	11.10	-.0025	.5660	.6164			
#3	3.688	.0484	.7495	11.07	-.0070	.5591	.6183			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1788.2	4971.3	33611.	5428.4						
Stddev	7.6	13.1	81.	67.3						
%RSD	.42287	.26396	.24230	1.2391						
#1	1789.4	4975.1	33683.	5404.9						
#2	1795.2	4982.1	33523.	5376.1						
#3	1780.2	4956.7	33625.	5504.3						

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Sample Name: CCV Acquired: 4/12/2016 18:01:03 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2502	40.58	1.981	2.050	2.060	39.68	2.026	2.005	2.025	2.026
Stddev	.0008	.09	.003	.003	.004	.09	.002	.001	.007	.003
%RSD	.3302	.2236	.1315	.1225	.2181	.2291	.0744	.0516	.3260	.1444
#1	.2493	40.50	1.978	2.047	2.055	39.61	2.025	2.005	2.025	2.023
#2	.2509	40.68	1.982	2.052	2.063	39.66	2.028	2.006	2.032	2.028
#3	.2504	40.56	1.983	2.051	2.063	39.78	2.026	2.004	2.018	2.028

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.34	41.94	39.92	2.066	1.997	39.50	1.991	2.030	1.986	1.994
Stddev	.11	.01	.16	.006	.005	.05	.001	.004	.000	.003
%RSD	.2723	.0319	.3924	.2782	.2535	.1341	.0619	.1773	.0117	.1354
#1	39.27	41.94	39.87	2.065	1.992	39.44	1.989	2.028	1.986	1.991
#2	39.29	41.95	39.80	2.072	1.997	39.51	1.992	2.027	1.986	1.993
#3	39.47	41.92	40.10	2.061	2.002	39.54	1.991	2.034	1.986	1.997

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.052	1.971	2.110	2.057	2.022	2.036	2.041
Stddev	.004	.002	.002	.004	.005	.005	.002
%RSD	.1855	.1141	.1138	.2107	.2378	.2689	.0911
#1	2.049	1.969	2.109	2.054	2.016	2.034	2.041
#2	2.052	1.973	2.108	2.062	2.026	2.042	2.043
#3	2.056	1.970	2.113	2.055	2.023	2.031	2.039

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: CCB Acquired: 4/12/2016 18:04:59 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0092	.0001	.0003	.0001	.0133	.0000	.0001
Stddev	.0001	.0105	.0004	.0000	.0000	.0024	.0000	.0001
%RSD	63.09	113.3	401.2	12.36	37.52	17.74	107.6	119.2
#1	.0000	.0006	-.0003	.0003	.0001	.0139	.0001	.0001
#2	-.0002	.0209	.0004	.0003	.0001	.0107	.0001	.0000
#3	-.0001	.0063	.0002	.0003	.0001	.0152	.0000	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	-.0004	.0359	.1167	.0136	.0002	F.0024	.1430
Stddev	.0005	.0001	.0083	.0101	.0076	.0000	.0005	.0158
%RSD	401.0	28.24	23.07	8.626	55.80	17.18	20.84	11.03
#1	.0001	-.0005	.0438	.1275	.0073	.0001	.0029	.1281
#2	-.0007	-.0004	.0365	.1077	.0221	.0002	.0022	.1595
#3	.0002	-.0003	.0273	.1148	.0114	.0002	.0019	.1415

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass
 High Limit Low Limit

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	F-.0011	.0010	.0009	.0047	.0008	.0001	.0014
Stddev	.0000	.0005	.0011	.0011	.0001	.0003	.0001	.0002
%RSD	94.18	48.71	114.5	133.4	2.228	36.22	187.6	16.98
#1	.0000	-.0009	.0003	-.0005	.0048	.0006	-.0001	.0016
#2	.0000	-.0017	.0004	.0014	.0046	.0011	.0001	.0016
#3	.0001	-.0007	.0023	.0016	.0048	.0006	.0002	.0012

Check ? Chk Pass Chk Fail Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

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Sample Name: CCV Acquired: 4/12/2016 18:01:03 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1714.8	4719.6	33075.	5204.1
Stddev	5.4	10.7	212.	52.7
%RSD	.31769	.22672	.64200	1.0128
#1	1720.8	4731.9	33063.	5180.5
#2	1713.4	4712.4	32870.	5264.4
#3	1710.2	4714.6	33294.	5167.2

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Sample Name: CCB Acquired: 4/12/2016 18:04:59 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	-.0005	.0003	.0011
Stddev	.0013	.0001	.0000
%RSD	289.8	43.77	3.688
#1	-.0002	.0004	.0011
#2	.0007	.0001	.0011
#3	-.0019	.0003	.0011

Check ? Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1725.1	4795.2	32491.	5266.9
Stddev	5.3	3.7	81.	78.6
%RSD	.30485	.07723	.25045	1.4928
#1	1724.0	4791.3	32554.	5184.2
#2	1730.8	4798.7	32399.	5340.7
#3	1720.5	4795.5	32519.	5275.9

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Sample Name: MP30234-SD1 Acquired: 4/12/2016 18:09:09 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0050	495.4	.1206	2.178	.0138	64.75	-.0015	.0800	.6357	.2880
Stddev	.0019	2.1	.0249	.003	.0026	.35	.0017	.0034	.0081	.0065
%RSD	37.56	.4245	20.62	.1312	18.96	.5396	115.6	4.288	1.269	2.241
#1	.0071	497.8	.1118	2.175	.0136	64.48	-.0004	.0772	.6420	.2931
#2	.0040	494.9	.1012	2.179	.0165	65.15	-.0018	.0792	.6266	.2808
#3	.0037	493.7	.1486	2.180	.0113	64.63	-.0030	.0838	.6385	.2903

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	317.3	35.28	60.12	4.625	.0226	10.68	.5034	8.238	.0126	.0587
Stddev	.4	.23	.53	.006	.0032	.21	.0083	.052	.0119	.0206
%RSD	.1401	.6437	.8838	.1404	14.07	1.951	1.644	.6277	94.46	35.10
#1	317.8	35.47	59.68	4.621	.0209	10.90	.5064	8.187	.0009	.0795
#2	317.3	35.36	60.71	4.632	.0263	10.48	.4940	8.237	.0122	.0582
#3	316.9	35.03	59.98	4.622	.0207	10.65	.5097	8.291	.0246	.0383

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	65.78	.0559	.8408	12.67	.0139	.6125	.7887
Stddev	.47	.0053	.0036	.13	.0115	.0125	.0003
%RSD	.7152	9.540	.4293	.9963	82.71	2.038	.0341
#1	65.81	.0519	.8374	12.73	.0262	.6251	.7890
#2	66.23	.0540	.8446	12.53	.0121	.6002	.7884
#3	65.29	.0620	.8403	12.76	.0034	.6121	.7887

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1769.8	4877.1	32913.	5418.3
Stddev	4.4	9.7	172.	45.6
%RSD	.24685	.19888	.52140	.84139
#1	1765.5	4867.3	33110.	5385.1
#2	1774.2	4877.2	32829.	5399.5
#3	1769.7	4886.7	32799.	5470.3

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Sample Name: MP30234-PS1 Acquired: 4/12/2016 18:13:13 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0530	481.2	.2081	2.318	.0660	69.25	.0510	.1285	.6667	.4149
Stddev	.0039	.9	.0029	.006	.0005	.15	.0002	.0001	.0030	.0012
%RSD	7.276	.1804	1.378	.2817	.8047	.2111	.4004	.0864	.4478	.2794
#1	.0496	480.8	.2077	2.312	.0660	69.16	.0509	.1285	.6663	.4162
#2	.0572	482.1	.2055	2.325	.0666	69.42	.0509	.1285	.6639	.4140
#3	.0524	480.5	.2111	2.318	.0655	69.17	.0512	.1287	.6698	.4145

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	316.3	40.04	64.41	4.600	.1106	14.46	.5835	8.426	.1002	.1059
Stddev	.7	.12	.25	.008	.0005	.08	.0003	.012	.0077	.0028
%RSD	.2168	.2911	.3843	.1781	.4222	.5618	.0540	.1426	7.699	2.678
#1	316.0	40.18	64.62	4.609	.1107	14.40	.5835	8.414	.1080	.1092
#2	317.1	39.98	64.49	4.593	.1109	14.55	.5832	8.427	.0926	.1044
#3	315.8	39.97	64.14	4.598	.1100	14.42	.5838	8.438	.0998	.1041

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	3.913	.0960	.8606	11.61	.0929	.6432	.9106
Stddev	.007	.0030	.0018	.01	.0052	.0044	.0018
%RSD	.1908	3.169	.2105	.1066	5.553	.6800	.2029
#1	3.912	.0945	.8588	11.62	.0873	.6457	.9126
#2	3.906	.0940	.8624	11.60	.0975	.6381	.9090
#3	3.921	.0995	.8607	11.60	.0939	.6457	.9101

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1780.2	4967.6	33766.	5418.0
Stddev	2.0	11.6	181.	48.8
%RSD	.11393	.23284	.53510	.90157
#1	1778.7	4956.6	33563.	5371.7
#2	1782.5	4979.7	33910.	5413.2
#3	1779.4	4966.3	33825.	5469.0

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Sample Name: MP30234-S1 Acquired: 4/12/2016 18:17:16 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0581	495.0	1.971	3.988	.0667	84.00	.0511	.5728	.7865	.5499
Stddev	.0018	1.6	.004	.014	.0007	.10	.0002	.0008	.0036	.0011
%RSD	3.135	.3181	.2235	.3572	.9959	.1156	.4114	.1475	.4531	.2067
#1	.0598	496.0	1.968	4.005	.0671	84.06	.0508	.5718	.7906	.5509
#2	.0562	495.9	1.976	3.981	.0659	84.04	.0512	.5732	.7845	.5487
#3	.0583	493.2	1.969	3.979	.0671	83.88	.0512	.5733	.7844	.5500

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	319.6	54.18	81.07	4.723	.4624	29.35	.9693	8.230	.1227	1.880
Stddev	.4	.25	.23	.007	.0010	.09	.0017	.024	.0019	.007
%RSD	.1213	.4591	.2807	.1513	.2241	.3189	.1714	.2944	1.587	.3580
#1	319.9	54.41	81.24	4.731	.4632	29.46	.9705	8.204	.1205	1.884
#2	319.8	54.21	81.15	4.720	.4612	29.31	.9699	8.252	.1240	1.872
#3	319.1	53.92	80.81	4.718	.4627	29.29	.9674	8.235	.1237	1.885

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	3.810	.5088	1.252	10.81	2.014	1.051	1.112
Stddev	.010	.0011	.005	.01	.013	.001	.001
%RSD	.2618	.2135	.4042	.1366	.6190	.0577	.1248
#1	3.821	.5084	1.257	10.82	2.019	1.051	1.110
#2	3.802	.5100	1.250	10.80	2.023	1.050	1.113
#3	3.806	.5079	1.248	10.80	1.999	1.051	1.113

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1807.1	5038.4	34018.	5408.7
Stddev	7.1	11.1	10.	54.1
%RSD	.39120	.21972	.03013	1.0010
#1	1812.8	5045.4	34010.	5430.7
#2	1799.2	5025.6	34014.	5347.0
#3	1809.3	5044.1	34030.	5448.4

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Sample Name: MP30234-S2 Acquired: 4/12/2016 18:21:15 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0536	459.3	1.942	3.778	.0647	79.09	.0498	.5583	.7279	.5217
Stddev	.0014	.8	.011	.008	.0003	.10	.0003	.0005	.0019	.0009
%RSD	2.651	.1658	.5513	.2036	.5244	.1288	.5585	.0847	.2615	.1793
#1	.0540	458.9	1.950	3.775	.0650	79.05	.0495	.5577	.7257	.5209
#2	.0548	460.2	1.930	3.787	.0643	79.20	.0501	.5586	.7292	.5213
#3	.0521	458.8	1.947	3.772	.0647	79.01	.0497	.5585	.7287	.5227

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	297.7	51.57	76.51	4.402	.4507	28.55	.9306	7.640	.1258	1.861
Stddev	.8	.14	.66	.005	.0018	.06	.0016	.030	.0073	.016
%RSD	.2622	.2634	.8585	.1223	.3960	.2188	.1713	.3876	5.780	.8373
#1	297.1	51.49	76.21	4.396	.4487	28.60	.9288	7.606	.1263	1.844
#2	298.6	51.73	76.06	4.404	.4511	28.56	.9310	7		

Sample Name: FA31884-2 Acquired: 4/12/2016 18:25:13 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0084	505.3	.1161	1.850	.0162	40.62	-.0017	.0823	.6663	.2821
Stddev	.0020	.9	.0019	.002	.0002	.14	.0004	.0006	.0021	.0028
%RSD	24.16	.1829	1.596	.1269	1.419	.3392	25.85	.7556	.3134	.9758
#1	.0063	505.3	.1170	1.852	.0164	40.71	-.0018	.0817	.6684	.2849
#2	.0085	506.2	.1173	1.852	.0160	40.68	-.0012	.0824	.6643	.2794
#3	.0104	504.4	.1140	1.848	.0161	40.46	-.0020	.0829	.6661	.2821
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	320.7	28.49	59.15	3.734	.0132	4.257	5.061	4.678	.0069	.0003
Stddev	.6	.05	.37	.009	.0006	.033	.0012	.007	.0007	.0033
%RSD	.2016	.1675	.6279	.2395	4.249	.7660	.2336	.1558	9.689	1002.
#1	321.2	28.43	59.42	3.725	.0127	4.220	5.060	4.681	.0073	.0017
#2	320.9	28.53	59.31	3.743	.0138	4.272	5.050	4.682	.0062	.0027
#3	320.0	28.50	58.73	3.733	.0131	4.280	5.073	4.669	.0074	-.0034
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	4.009	.0489	.5502	11.72	-.0076	6.150	5.732			
Stddev	.008	.0003	.0016	.02	.0056	.0038	.0006			
%RSD	.1922	.6296	.2940	.1690	.7398	6.170	1.063			
#1	4.012	.0492	.5518	11.72	-.0073	6.127	5.737			
#2	4.000	.0488	.5486	11.74	-.0022	6.129	5.734			
#3	4.015	.0486	.5502	11.70	-.0134	6.193	5.725			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1794.7	5010.6	33854.	5452.9						
Stddev	4.2	9.9	149.	49.2						
%RSD	.23416	.19840	.44118	.90249						
#1	1798.4	5022.1	34012.	5456.8						
#2	1790.2	5004.7	33716.	5401.8						
#3	1795.7	5005.1	33832.	5500.0						

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Sample Name: FA31884-5A Acquired: 4/12/2016 18:29:15 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0104	379.9	.0685	2.139	.0110	62.31	-.0032	.0876	.6462	.6462
Stddev	.0021	.5	.0014	.001	.0005	.15	.0005	.0004	.0020	.0020
%RSD	20.31	.1189	2.049	.0470	4.598	.2405	15.15	.4386	.3154	.3154
#1	.0079	379.5	.0676	2.139	.0108	62.38	-.0037	.0879	.6484	.6484
#2	.0116	380.4	.0701	2.139	.0116	62.42	-.0028	.0876	.6444	.6444
#3	.0116	379.7	.0677	2.138	.0106	62.14	-.0030	.0871	.6459	.6459
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Se1960
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)
Avg	.2374	339.3	33.68	52.35	6.300	.0151	3.932	.4499	1.185	1.185
Stddev	.0015	.8	.08	.17	.023	.0007	.041	.0022	.006	.006
%RSD	.6180	.2278	.2243	.3191	.3597	4.531	1.046	.4953	.5408	.5408
#1	.2377	339.9	33.77	52.51	6.321	.0155	3.954	.4522	1.193	1.193
#2	.2388	339.5	33.63	52.38	6.304	.0143	3.885	.4497	1.180	1.180
#3	.2358	338.4	33.64	52.18	6.276	.0155	3.957	.4477	1.184	1.184
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062	
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)	
Avg	-.0014	.0040	4.309	.0414	.9486	F21.66	-.0122	.6978	.8853	
Stddev	.0018	.0051	.010	.0020	.0021	.04	.0061	.0050	.0008	
%RSD	122.4	129.5	.2355	4.756	.2212	.1937	50.28	.7187	.0894	
#1	-.0017	-.0011	4.320	.0409	.9494	21.66	-.0189	.7032	.8862	
#2	.0004	.0092	4.299	.0398	.9502	21.70	-.0109	.6969	.8848	
#3	-.0030	.0037	4.308	.0436	.9462	21.62	-.0068	.6932	.8849	
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1794.7	5014.0	33635.	5461.8						
Stddev	.5	6.1	168.	43.7						
%RSD	.02941	.12220	.49961	.80097						
#1	1794.5	5007.6	33560.	5428.6						
#2	1794.3	5014.4	33517.	5445.4						
#3	1795.3	5019.8	33827.	5511.3						

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Sample Name: FA31884-8A Acquired: 4/12/2016 18:33:22 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0085	447.6	.1148	1.361	.0127	34.62	-.0026	.0745	.6673	.2897
Stddev	.0018	2.0	.0025	.005	.0001	.04	.0002	.0008	.0035	.0003
%RSD	20.85	.4500	2.193	.4067	.7948	.1067	8.386	1.128	.5242	.0996
#1	.0066	447.5	.1143	1.364	.0127	34.64	-.0027	.0753	.6633	.2895
#2	.0101	449.7	.1176	1.365	.0128	34.63	-.0026	.0746	.6686	.2901
#3	.0087	445.7	.1127	1.355	.0126	34.57	-.0023	.0736	.6699	.2896
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	302.0	31.46	57.68	2.577	.0127	3.898	4.720	3.110	-.0018	.0049
Stddev	1.2	.29	.23	.003	.0006	.052	.0009	.011	.0042	.0071
%RSD	.3904	.9266	.3986	.1317	5.012	1.345	.1860	.3598	233.5	144.6
#1	302.9	31.69	57.92	2.573	.0121	3.958	4.730	3.122	-.0061	.0001
#2	302.5	31.57	57.67	2.580	.0134	3.872	4.712	3.105	-.0016	.0130
#3	300.7	31.13	57.46	2.577	.0127	3.863	4.718	3.101	.0023	.0016
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	3.759	.0479	.4387	11.52	-.0088	5.857	5.740			
Stddev	.006	.0012	.0013	.02	.0043	.0022	.0007			
%RSD	.1683	2.512	.3029	.1852	49.01	.3742	.1138			
#1	3.766	.0485	.4392	11.50	-.0137	5.832	5.738			
#2	3.755	.0465	.4397	11.54	-.0067	5.868	5.734			
#3	3.755	.0486	.4372	11.51	-.0059	5.871	5.747			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1787.9	4965.8	33392.	5381.4						
Stddev	3.6	3.9	130.	42.2						
%RSD	.19912	.07953	.39034	.78449						
#1	1784.5	4961.4	33541.	5353.7						
#2	1787.7	4968.8	33297.	5360.6						
#3	1791.6	4967.4	33339.	5430.0						

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Sample Name: FA31884-11A Acquired: 4/12/2016 18:37:26 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0117	593.0	.1281	3.517	.0176	112.8	-.0002	.1038	.7360	.3955
Stddev	.0021	1.8	.0008	.012	.0002	.4	.0004	.0001	.0018	.0005
%RSD	17.93	.3109	.5939	.3260	1.153	.3571	168.3	.0808	.2501	.1203
#1	.0122	593.5	.1274	3.519	.0178	112.9	-.0005	.1037	.7367	.3960
#2	.0135	594.6	.1279	3.527	.0176	113.2	-.			

Sample Name: CCB Acquired: 4/12/2016 18:53:31 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.005	-0.006	.0000	.005	.001	.0151	.0000	.0000	.0000
Stddev	.0002	.0090	.0008	.0002	.0001	.0006	.000	.0002	.0003
%RSD	30.38	1404.	2580.	54.83	110.0	3.798	420.7	370.6	825.1
#1	-0.004	.0039	.0006	.0007	.0001	.0145	.0000	.0001	.0000
#2	-0.007	.0051	.0003	.0002	.0000	.0156	.0000	.0002	.0004
#3	-0.004	-.0110	-.0009	.0005	.0002	.0152	.0000	-.0001	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	.0325	.0781	.0035	.0002	F.0023	.0583	.0001	-.0004
Stddev	.0005	.0084	.0086	.0100	.0000	.0007	.0035	.0001	.0013
%RSD	168.7	25.97	11.00	282.8	19.52	28.50	5.979	49.97	307.8
#1	.0002	.0420	.0687	-.0075	.0002	.0030	.0592	.0001	.0000
#2	-.0003	.0297	.0802	.0121	.0002	.0022	.0545	.0002	.0006
#3	-.0008	.0259	.0855	.0060	.0002	.0017	.0613	.0001	-.0019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-.0010			

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.0006	.0011	.0006	.0001	.0014	.0002	.0001	.0011
Stddev	.0007	.0000	.0001	.0006	.0001	.0002	.0015	.0002	.0001
%RSD	79.24	6.764	9.170	95.83	83.46	14.36	940.2	219.4	4.635
#1	.0004	.0007	.0010	.0007	.0001	.0016	-.0016	.0002	.0012
#2	.0007	.0006	.0010	.0000	.0001	.0014	.0009	-.0001	.0011
#3	.0017	.0007	.0012	.0011	.0000	.0012	.0012	.0001	.0011
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 4/12/2016 18:53:31 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1724.9	4790.4	32287.	5196.2
Stddev	6.2	7.9	209.	49.0
%RSD	.36106	.16527	.64624	.94367
#1	1720.4	4786.8	32495.	5164.7
#2	1732.0	4799.5	32078.	5252.7
#3	1722.2	4785.0	32288.	5171.2

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Sample Name: FA31884-26A Acquired: 4/12/2016 18:57:42 Type: Ink
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0076	283.2	.1084	.9206	.0107	32.07	-.0020	.0588	.7245	.1903
Stddev	.0011	.8	.0022	.0048	.0001	.22	.0002	.0001	.0028	.0008
%RSD	13.88	.2663	2.038	.5218	1.125	.6715	10.46	.1915	.3872	.4211
#1	.0087	284.1	.1101	.9261	.0106	32.27	-.0020	.0588	.7270	.1912
#2	.0066	282.6	.1059	.9185	.0107	31.84	-.0023	.0589	.7215	.1897
#3	.0077	283.0	.1092	.9172	.0108	32.10	-.0019	.0586	.7252	.1900

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	270.0	20.77	43.25	1.851	-.0135	3.848	.3492	.7663	.0062	.0015
Stddev	1.2	.05	.30	.006	.0004	.029	.0001	.0043	.0049	.0068
%RSD	.4497	.2297	.6972	.3351	3.175	.7400	.0184	.5591	78.94	446.1
#1	270.8	20.76	43.36	1.858	.0140	3.881	.3492	.7697	.0117	-.0052
#2	268.6	20.82	42.91	1.847	.0133	3.829	.3492	.7678	.0027	.0084
#3	270.6	20.73	43.48	1.847	.0132	3.833	.3493	.7615	.0041	.0014

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	4.587	.0500	.3742	9.712	-.0142	5.677	4.127
Stddev	.005	.0016	.0019	.034	.0049	.0031	.0012
%RSD	.1139	3.160	.5158	.3498	34.51	.5406	.2816
#1	4.593	.0489	.3764	9.750	-.0193	.5711	4.140
#2	4.583	.0518	.3728	9.686	-.0136	.5652	4.119
#3	4.586	.0493	.3733	9.699	-.0096	.5669	4.120

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1782.0	4978.8	33494.	5423.7
Stddev	3.0	3.0	141.	27.4
%RSD	.16754	.06022	.42058	.50589
#1	1783.8	4976.9	33348.	5393.5
#2	1783.7	4982.2	33630.	5447.1
#3	1778.6	4977.2	33503.	5430.5

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Sample Name: FA31884-29A Acquired: 4/12/2016 19:01:46 Type: Ink
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0151	476.9	.1135	6.703	.0181	144.6	-.0013	.1185	.7757
Stddev	.0029	.4	.0045	.005	.0005	.1	.0003	.0004	.0019
%RSD	19.52	.0830	3.986	.0760	2.879	.0693	19.22	.3740	.2506
#1	.0157	477.1	.1138	6.698	.0187	144.6	-.0014	.1188	.7756
#2	.0119	477.2	.1088	6.708	.0179	144.5	-.0010	.1180	.7739
#3	.0177	476.5	.1179	6.702	.0177	144.7	-.0015	.1188	.7778

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3911	411.4	28.78	54.41	F20.80	.0162	4.919	.4815	.8753
Stddev	.0013	.1	.11	.11	.10	.0007	.054	.0006	.0019
%RSD	.3274	.0351	.3724	.1939	.4685	4.531	1.106	.1225	.2127
#1	.3905	411.6	28.72	54.33	20.92	.0155	4.856	.4819	.8774
#2	.3902	411.3	28.91	54.37	20.97	.0170	4.943	.4817	.8738
#3	.3926	411.5	28.72	54.53	20.78	.0162	4.957	.4808	.8746

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0003	.0085	4.714	.0383	1.881	12.81	-.0025	.8638	.6702
Stddev	.0034	.0036	.008	.0005	.002	.02	.0035	.0031	.0016
%RSD	1315.	42.52	.1701	1.339	.1165	.1329	138.3	.3555	.2314
#1	-.0026	.0124	4.719	.0385	1.880	12.83	-.0061	.8668	.6716
#2	-.0041	.0079	4.704	.0377	1.884	12.82	-.0009	.8607	.6686
#3	-.0007	.0053	4.718	.0387	1.881	12.80	-.0025	.8640	.6705

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1802.3	5096.5	34434.	5520.7
Stddev	6.1	20.3	130.	37.1
%RSD	.33945	.39837	.37863	.67269
#1	1796.8	5075.6	34390.	5493.3
#2	1808.9	5116.2	34581.	5563.0
#3	1801.1	5097.6	34331.	5505.9

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Sample Name: FA31884-33A Acquired: 4/12/2016 19:05:57 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0174	465.4	.1240	7.612	.0182	161.6	.0000	.1372	8791
Stddev	.0017	.9	.0042	.016	.0006	.3	.0003	.0013	.0053
%RSD	9.993	.1895	3.421	.2030	3.288	.1681	2820.0	.9555	6.016
#1	.0156	465.4	.1223	7.624	.0186	161.6	-.0003	.1357	8852
#2	.0174	464.5	.1209	7.595	.0186	161.3	.0001	.1380	8769
#3	.0191	466.3	.1289	7.617	.0175	161.8	.0002	.1379	8753
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4499	439.9	32.65	68.24	F20.54	.0162	4.968	.5303	1.005
Stddev	.0019	.6	.13	.25	.14	.0009	.027	.0017	.006
%RSD	.4233	.1286	.4099	.3706	.6939	5.731	.5493	.3215	.6313
#1	.4517	439.7	32.59	67.97	20.50	.0154	4.985	.5289	.9975
#2	.4479	439.4	32.55	68.27	20.70	.0172	4.936	.5299	1.008
#3	.4500	440.5	32.80	68.47	20.43	.0160	4.982	.5322	1.009
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0013	.0030	4.887	.0405	2.184	13.35	.0025	.9135	.8023
Stddev	.0054	.0015	.005	.0007	.003	.04	.0027	.0011	.0012
%RSD	423.0	48.58	.1107	1.662	.1220	.2928	108.0	.1223	.1497
#1	-.0035	.0018	4.881	.0410	2.184	13.39	.0055	.9148	.8017
#2	.0071	.0027	4.889	.0407	2.181	13.36	.0016	.9128	.8037
#3	.0003	.0046	4.891	.0397	2.187	13.32	.0003	.9128	.8015
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1809.1	5132.3	3494.0	5512.3					
Stddev	7.4	10.2	91.	46.6					
%RSD	.41160	.19875	.26159	.84573					
#1	1815.5	5141.3	34895.	5553.7					
#2	1800.9	5121.3	34880.	5461.8					
#3	1810.9	5134.4	35046.	5521.5					

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Sample Name: FA31932-1A Acquired: 4/12/2016 19:10:08 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0055	183.3	.0230	1.412	.0040	28.94	-.0015	.0328	.2790	.1925
Stddev	.0021	.2	.0030	.001	.0004	.02	.0001	.0005	.0010	.0025
%RSD	38.27	.0998	13.15	.0955	9.402	.0603	6.482	1.609	.3471	1.280
#1	.0037	183.4	.0237	1.412	.0043	28.96	-.0015	.0324	.2779	.1950
#2	.0078	183.1	.0197	1.414	.0036	28.93	-.0014	.0334	.2798	.1900
#3	.0049	183.5	.0256	1.411	.0042	28.93	-.0016	.0327	.2792	.1924
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	172.8	20.41	15.64	4.741	.0111	2.207	.1475	.4611	.0028	.0060
Stddev	.1	.01	.19	.016	.0006	.032	.0008	.0006	.0025	.0048
%RSD	.0518	.0302	1.202	.3401	5.318	1.442	.5306	.1379	87.42	80.95
#1	172.8	20.41	15.85	4.724	.0111	2.243	.1469	.4607	.0038	.0108
#2	172.9	20.41	15.49	4.756	.0118	2.196	.1473	.4618	.0047	.0060
#3	172.8	20.40	15.57	4.744	.0106	2.182	.1484	.4607	.0000	.0011
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	4.538	.0471	.4542	6.439	-.0054	.4337	.2091			
Stddev	.010	.0017	.0027	.016	.0063	.0025	.0004			
%RSD	.2125	3.600	.5991	.2458	116.7	.5792	.1677			
#1	4.549	.0468	.4517	6.422	-.0064	.4328	.2095			
#2	4.530	.0489	.4571	6.453	-.0112	.4366	.2088			
#3	4.536	.0455	.4538	6.443	.0013	.4319	.2091			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1783.8	4910.6	3323.1	5260.6						
Stddev	4.3	18.0	163.	30.3						
%RSD	.24373	.36584	.48969	.57545						
#1	1779.0	4892.1	33386.	5225.7						
#2	1787.4	4928.0	33061.	5279.9						
#3	1785.1	4911.7	33245.	5276.2						

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Sample Name: FA31932-5A Acquired: 4/12/2016 19:14:11 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0028	156.4	.0207	1.057	.0031	28.02	.0034	.0233	.2942	.1198
Stddev	.0023	.1	.0021	.001	.0004	.06	.0006	.0004	.0014	.0030
%RSD	82.12	.0944	10.07	.0996	14.04	.2168	17.25	1.874	.4729	2.484
#1	.0054	156.2	.0228	1.058	.0030	28.05	.0031	.0229	.2945	.1225
#2	.0008	156.5	.0186	1.056	.0026	28.05	.0030	.0237	.2953	.1202
#3	.0023	156.4	.0208	1.057	.0035	27.95	.0040	.0232	.2926	.1166
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	158.8	16.94	13.44	3.083	.0125	2.189	.1723	.2913	.0005	.0050
Stddev	.8	.19	.16	.007	.0007	.055	.0002	.0036	.0019	.0058
%RSD	.4818	1.144	1.186	.2333	5.331	2.498	.1422	1.225	376.6	116.5
#1	159.5	16.73	13.45	3.080	.0131	2.221	.1725	.2955	.0025	.0013
#2	158.7	17.11	13.59	3.091	.0127	2.221	.1723	.2890	.0001	.0116
#3	158.0	16.96	13.28	3.078	.0118	2.126	.1720	.2896	-.0011	.0020
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	4.411	.0441	.4095	5.747	-.0115	.4235	.1866			
Stddev	.009	.0011	.0018	.016	.0029	.0016	.0003			
%RSD	.2109	2.600	.4510	.2751	25.02	.3726	.1434			
#1	4.408	.0429	.4114	5.733	-.0120	.4249	.1869			
#2	4.403	.0444	.4093	5.764	-.0141	.4238	.1864			
#3	4.421	.0451	.4078	5.743	-.0084	.4218	.1865			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1768.3	4877.8	33148.	5298.7						
Stddev	8.0	12.5	102.	22.3						
%RSD	.45489	.25689	.30807	.42149						
#1	1765.1	4876.5	33049.	5286.3						
#2	1762.3	4865.9	33143.	5324.5						
#3	1777.4	4890.9	33253.	5285.4						

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Sample Name: FA31932-14A Acquired: 4/12/2016 19:18:15 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0039	162.4	.0180	1.326	.0034	26.80	-.0022	.0239	.2251	.0740
Stddev	.0013	.4	.0016	.004	.0003	.12	.0002	.0002	.0024	.0008
%RSD	32.58	.2475	9.064	.2816	8.353	.4453	11.09	.6889	1.062	1.091
#1	.0025	162.8	.0191	1.329	.0037	26.83	-.0024	.0240	.2277	.0737
#2	.0049	162.4	.0161	1.327	.0032	26.89	-.0023	.0237	.2231	.0750
#3	.0041	162.0	.0187	1.322	.0034	26.66	-.0019	.0240	.2244	.0734
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	157.1	14.35	12.75	2.534	.0110	2.054	.1164	.1416	.0041	.0033
Stddev	.8	.06	.08	.001	.0001	.027	.0005	.0047	.0040	.0062
%RSD	.4983	.3991	.6312	.0387	.7315	1.335	.4694	3.309	96.14	188.1
#1	157.0	14.41	12.65	2.533	.0109	2.056	.1170	.1470	.0046	-.0037
#2	157.9	14.33	12.78	2.533	.0109	2.080	.1164	.1384	-.0001	.0082
#3	156.4	14.31	12.80	2.535	.0111	2.026	.1159	.1394	.0078</	

Sample Name: FA31932-17A Acquired: 4/12/2016 19:22:19 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	
Avg	.0105	401.7	.0431	7.531	.0107	159.1	.0013	.0916	.5014	.2907	
Stddev	.0014	.6	.0024	.017	.0006	.6	.0002	.0003	.0026	.0022	
%RSD	13.53	.1613	5.631	.2303	5.308	3.583	16.50	.3108	.5127	.7501	
#1	.0108	401.7	.0426	7.544	.0109	159.3	.0010	.0918	.4991	.2901	
#2	.0117	402.3	.0410	7.537	.0100	159.6	.0014	.0918	.5009	.2931	
#3	.0089	401.0	.0458	7.511	.0111	158.5	.0014	.0913	.5042	.2888	
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	
Avg	326.4	20.45	34.59	14.74	.0161	3.527	3600	8504	-.0008	.0083	
Stddev	.5	.15	.12	.01	.0005	.046	.0015	.0023	.0079	.0033	
%RSD	.1670	.7362	.3324	.0381	2.913	1.316	.4184	.2663	998.0	39.43	
#1	326.6	20.29	34.48	14.74	.0159	3.563	.3616	.8478	-.0098	.0045	
#2	326.8	20.48	34.71	14.74	.0166	3.543	.3599	.8520	-.0027	.0103	
#3	325.8	20.58	34.58	14.73	.0157	3.475	.3586	.8514	.0048	.0100	
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062				
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)				
Avg	4.593	.0444	2.388	8.845	.0034	.7741	.3012				
Stddev	.007	.0010	.007	.005	.0054	.0011	.0001				
%RSD	.1533	2.163	.2933	.0601	156.3	.1427	.0401				
#1	4.598	.0453	2.393	8.846	.0075	.7751	.3013				
#2	4.595	.0434	2.390	8.839	.0054	.7744	.3011				
#3	4.585	.0445	2.380	8.850	-.0026	.7729	.3013				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710							
Avg	1793.5	5052.0	34350	5463.1							
Stddev	9.3	10.0	70	8.9							
%RSD	.51924	.19797	.20503	.16253							
#1	1803.9	5063.3	34281	5464.0							
#2	1791.0	5048.4	34347	5471.5							
#3	1785.8	5044.3	34422	5453.8							

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Sample Name: FA31932-23A Acquired: 4/12/2016 19:30:25 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	
Avg	.0049	165.1	.0279	.5260	.0029	11.05	-.0027	.0192	.5356	.1209	
Stddev	.0013	.3	.0018	.0030	.0003	.04	.0004	.0007	.0023	.0019	
%RSD	27.13	.1692	6.309	.5791	11.56	.3432	13.53	3.611	.4302	1.562	
#1	.0056	165.3	.0289	.5275	.0030	11.09	-.0023	.0198	.5381	.1190	
#2	.0058	165.1	.0290	.5279	.0025	11.05	-.0030	.0184	.5336	.1227	
#3	.0034	164.8	.0259	.5225	.0032	11.01	-.0027	.0194	.5352	.1211	
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	
Avg	169.5	15.05	10.76	.6941	.0187	2.486	2551	.0954	.0004	.0035	
Stddev	.6	.08	.12	.0017	.0006	.043	.0008	.0028	.0012	.0049	
%RSD	.3669	.5533	1.072	.2400	3.356	1.708	.2954	2.936	276.9	141.2	
#1	170.1	15.14	10.87	.6933	.0185	2.489	.2543	.0922	.0011	.0089	
#2	169.6	15.03	10.76	.6961	.0194	2.527	.2555	.0975	-.0009	.0024	
#3	168.9	14.98	10.64	.6931	.0181	2.442	.2556	.0965	.0011	-.0008	
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062				
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)				
Avg	4.740	.0464	.1940	6.143	-.0088	.4737	.1525				
Stddev	.003	.0020	.0005	.015	.0053	.0006	.0001				
%RSD	.0523	4.221	.2629	.2474	60.13	.1274	.0338				
#1	4.740	.0442	.1946	6.141	-.0031	.4741	.1525				
#2	4.742	.0477	.1936	6.159	-.0136	.4730	.1524				
#3	4.737	.0474	.1937	6.129	-.0098	.4739	.1524				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710							
Avg	1804.5	4947.6	33697	5365.5							
Stddev	2.2	4.9	201	39.0							
%RSD	.12113	.09858	.59659	.72602							
#1	1806.9	4952.6	33536	5320.7							
#2	1803.9	4947.2	33634	5391.1							
#3	1802.7	4942.9	33923	5384.8							

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Sample Name: FA31932-20A Acquired: 4/12/2016 19:26:22 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	
Avg	.0119	423.5	.0453	6.487	.0112	145.6	-.0003	.1197	1.825	.8326	
Stddev	.0005	1.3	.0014	.018	.0003	.3	.0005	.0006	.005	.0019	
%RSD	4.393	.2980	3.080	.2751	3.031	2.237	148.5	.4941	.2723	.2275	
#1	.0120	424.8	.0451	6.504	.0116	145.6	-.0006	.1198	1.819	.8346	
#2	.0114	423.4	.0440	6.491	.0110	145.9	-.0007	.1190	1.829	.8308	
#3	.0124	422.3	.0468	6.468	.0110	145.3	.0002	.1202	1.826	.8323	
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	
Avg	351.4	18.52	41.91	14.24	.0392	171.7	1.059	.9585	-.0031	.0047	
Stddev	1.0	.18	.22	.03	.0007	.5	.001	.0009	.0040	.0061	
%RSD	.2771	.9562	.5145	.2413	1.748	.2830	.0656	.0928	128.6	131.0	
#1	352.1	18.38	42.06	14.20	.0384	172.1	1.058	.9586	.0010	.0108	
#2	351.8	18.72	41.67	14.26	.0395	171.8	1.058	.9594	-.0069	-.0015	
#3	350.3	18.47	42.02	14.25	.0397	171.2	1.060	.9576	-.0034	.0048	
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062				
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)				
Avg	4.780	.0474	2.192	9.816	-.0063	.8565	.4248				
Stddev	.012	.0002	.005	.026	.0016	.0042	.0006				
%RSD	.2493	.4452	.2218	.2657	25.92	.4952	.1387				
#1	4.766	.0472	2.195	9.787	-.0059	.8525	.4247				
#2	4.788	.0474	2.194	9.838	-.0049	.8609	.4243				
#3	4.785	.0476	2.186	9.823	-.0081	.8560	.4255				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710							
Avg	1782.1	5035.6	34525	5414.5							
Stddev	2.5	3.2	100	15.8							
%RSD	.13761	.06258	.28822	.29133							
#1	1784.9	5036.5	34630	5421.1							
#2	1780.7	5038.2	34512	5396.6							
#3	1780.6	5032.1	34432	5426.0							

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Sample Name: FA31932-26A Acquired: 4/12/2016 19:34:30 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0089	329.0	.0665	2.818	.0106	73.52	-.0004	.0740	.5858	.1928
Stddev	.0036	.5	.0037	.003	.0002	.13	.0001	.0005	.0023	.0005
%RSD	40.19	.1564	5.606	.1073	1.453	.1710	15.19	.6458	.3902	.2568
#1	.0058	328.4	.0653	2.820	.0108	73.65	-.0005	.0735	.5838	.1922
#2	.0128	329.3	.0707	2.815	.0105	73.49	-.0004	.0741	.5852	.1930
#3	.0081	329.3	.0636	2.820	.0105	73.41	-.0005	.0744	.5883	.1931
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	268.8	29.10	38.26	10.03	.0116	3.597	.3490	.4733	-.0054	.0009
Stddev	.3	.11	.26	.01	.0004	.033	.0007	.0039	.0017	.0029
%RSD	.1119	.3776	.6868	.0950	3.439	.9223	.1884	.8220	30.68	316.2
#1	269.0	28								

Sample Name: CCV Acquired: 4/12/2016 19:38:32 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2522	40.98	2.024	2.081	2.060	39.92	2.052	2.032	2.047	2.034
Stddev	.0006	.12	.004	.005	.006	.10	.004	.003	.004	.003
%RSD	.2276	.2807	.2106	.2457	.3152	.2488	.1714	.1576	.2074	.1632
#1	.2515	40.95	2.021	2.082	2.063	39.86	2.050	2.029	2.047	2.038
#2	.2523	41.10	2.023	2.086	2.064	40.04	2.050	2.032	2.043	2.034
#3	.2527	40.87	2.029	2.076	2.052	39.87	2.056	2.036	2.051	2.031

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.27	42.61	39.89	2.080	2.028	41.24	2.024	2.046	2.020	2.035
Stddev	.11	.19	.17	.003	.006	.13	.003	.001	.002	.002
%RSD	.2743	.4526	.4160	.1482	.2773	.3169	.1659	.0330	.1031	.1065
#1	39.21	42.61	39.79	2.082	2.022	41.27	2.021	2.045	2.021	2.033
#2	39.40	42.81	40.08	2.076	2.028	41.35	2.024	2.046	2.018	2.035
#3	39.21	42.42	39.79	2.081	2.033	41.10	2.028	2.046	2.022	2.037

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.080	2.013	2.126	2.067	2.039	2.053	2.066
Stddev	.002	.005	.008	.004	.003	.003	.004
%RSD	.0926	.2608	.3712	.1838	.1393	.1296	.1917
#1	2.078	2.007	2.125	2.071	2.036	2.053	2.064
#2	2.081	2.013	2.134	2.064	2.041	2.050	2.064
#3	2.081	2.018	2.119	2.067	2.040	2.055	2.071

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCB Acquired: 4/12/2016 19:42:29 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	.0014	.0008	.0004	.0001	.0157	.0000	.0001	.0001
Stddev	.0003	.0172	.0006	.0002	.0001	.0023	.0000	.0000	.0002
%RSD	92.90	1190.	80.23	43.04	46.14	14.46	555.5	34.84	263.3
#1	-.0005	-.0179	.0004	.0004	.0001	.0170	.0000	.0001	.0002
#2	.0000	.0147	.0004	.0005	.0002	.0131	.0000	.0001	.0003
#3	-.0005	.0076	.0015	.0002	.0001	.0171	.0000	.0001	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0337	.0474	.0145	.0003	F .0024	.0500	.0002	-.0007
Stddev	.0003	.0101	.0264	.0078	.0000	.0004	.0052	.0002	.0009
%RSD	843.9	29.99	55.58	53.50	8.470	18.52	10.38	154.9	136.8
#1	-.0003	.0432	.0419	.0083	.0002	.0029	.0440	.0003	.0003
#2	.0003	.0350	.0761	.0232	.0002	.0022	.0525	.0003	-.0007
#3	.0002	.0231	.0242	.0121	.0003	.0020	.0535	-.0001	-.0016

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0013	.0013	.0006	.0002	.0013	.0010	.0005	.0011
Stddev	.0003	.0006	.0005	.0004	.0001	.0001	.0010	.0002	.0000
%RSD	240.1	42.44	35.61	63.93	47.45	10.46	103.2	32.90	2.120
#1	-.0002	.0015	.0019	.0011	.0002	.0014	.0021	.0007	.0011
#2	.0001	.0007	.0010	.0005	.0001	.0013	.0002	.0005	.0012
#3	.0004	.0018	.0011	.0003	.0002	.0012	.0007	.0003	.0011

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCV Acquired: 4/12/2016 19:38:32 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1710.0	4687.3	33060.	5261.6
Stddev	3.7	17.1	110.	53.3
%RSD	.21401	.36550	.33228	1.0132
#1	1713.2	4701.3	33166.	5284.6
#2	1710.8	4692.4	33067.	5200.6
#3	1706.0	4668.2	32946.	5299.5

Sample Name: CCB Acquired: 4/12/2016 19:42:29 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1742.2	4788.8	32516.	5199.7
Stddev	4.2	6.7	175.	62.1
%RSD	.24069	.13971	.53714	1.1940
#1	1739.1	4783.4	32506.	5131.5
#2	1746.9	4796.3	32346.	5214.7
#3	1740.5	4786.8	32695.	5252.9

Sample Name: FA31932-29A Acquired: 4/12/2016 19:46:39 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0090	279.8	.0363	2.228	.0070	51.24	-.0021	.0603	.4436	.0916
Stddev	.0013	.6	.0033	.001	.0003	.10	.0002	.0004	.0031	.0008
%RSD	14.72	.2200	9.161	.0405	4.270	.2005	10.80	.7254	.7057	.9115
#1	.0079	279.7	.0400	2.229	.0071	51.32	-.0020	.0601	.4465	.0913
#2	.0085	279.2	.0356	2.227	.0073	51.28	-.0024	.0600	.4442	.0925
#3	.0104	280.4	.0334	2.228	.0067	51.13	-.0020	.0608	.4403	.0909
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	239.5	22.51	22.76	5.731	.0161	3.320	25.79	.1452	.0023	.0061
Stddev	.1	.19	.14	.013	.0007	.040	.0006	.0028	.0023	.0059
%RSD	.0602	.8231	.6060	.2264	4.428	1.198	.2208	1.896	100.4	95.99
#1	239.5	22.47	22.91	5.744	.0169	3.301	25.76	.1470	.0009	.0098
#2	239.6	22.35	22.71	5.718	.0157	3.365	25.86	.1420	.0049	-.0007
#3	239.3	22.71	22.64	5.732	.0156	3.292	25.76	.1465	.0011	.0093
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	4.998	.0457	.7416	8.491	-.0086	.6017	.2193			
Stddev	.010	.0012	.0026	.012	.0034	.0014	.0002			
%RSD	.1918	2.564	.3552	.1358	39.89	2.387	.1019			
#1	5.004	.0447	.7411	8.503	-.0073	.6004	.2192			
#2	5.003	.0453	.7445	8.480	-.0125	.6032	.2195			
#3	4.987	.0470	.7393	8.490	-.0060	.6015	.2191			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1796.6	4964.8	34022	5404.8						
Stddev	4.6	8.9	216	19.6						
%RSD	.25861	.17987	.63552	.36200						
#1	1799.7	4957.9	33809	5388.8						
#2	1798.9	4974.9	34241	5399.1						
#3	1791.2	4961.7	34017	5426.6						

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Sample Name: CRIA Acquired: 4/12/2016 19:50:42 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0086	2248	.0099	.2135	.0052	1.039	.0052	.0511	.0106	.0248
Stddev	.0001	.0021	.0007	.0005	.0002	.004	.0001	.0001	.0003	.0002
%RSD	1.681	.9228	7.281	.2262	3.198	4.278	.9856	.2524	2.774	.6861
#1	.0086	2231	.0105	.2141	.0052	1.042	.0052	.0510	.0105	.0248
#2	.0084	2271	.0091	.2133	.0051	1.034	.0052	.0511	.0109	.0249
#3	.0086	2241	.0102	.2132	.0054	1.041	.0053	.0512	.0103	.0246
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	3280	11.09	5.257	.0163	.0490	10.78	.0411	.0045	.0051	.0113
Stddev	.0007	.03	.016	.0001	.0003	.02	.0002	.0009	.0003	.0006
%RSD	.2103	.2486	.3106	.4990	.6043	.1820	.4646	19.40	5.325	5.001
#1	3288	11.11	5.276	.0163	.0487	10.80	.0409	.0042	.0053	.0107
#2	3279	11.06	5.246	.0164	.0490	10.78	.0413	.0039	.0051	.0115
#3	3274	11.10	5.249	.0163	.0493	10.76	.0412	.0055	.0048	.0117
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	.0108	.0508	.0106	.0107	.0105	.0500	.0225			
Stddev	.0003	.0002	.0001	.0001	.0003	.0005	.0000			
%RSD	2.942	4.134	1.341	.6628	3.009	1.055	.1658			
#1	.0109	.0508	.0108	.0108	.0106	.0496	.0224			
#2	.0105	.0506	.0105	.0106	.0108	.0506	.0225			
#3	.0111	.0510	.0105	.0107	.0102	.0497	.0225			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1785.5	4914.0	33718	5332.0						
Stddev	8.7	9.7	157	43.8						
%RSD	.48848	.19653	.46659	.82134						
#1	1786.9	4915.0	33659	5281.6						
#2	1793.5	4923.1	33598	5353.2						
#3	1776.2	4903.9	33896	5361.1						

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Sample Name: ICSA Acquired: 4/12/2016 19:54:48 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0001	F505.4	.0007	.0002	.0001	480.1	-.0002	-.0003	-.0011
Stddev	.0007	3.1	.0009	.0003	.0000	9.2	.0000	.0002	.0004
%RSD	452.8	.6205	116.4	135.5	18.56	1.923	11.52	63.89	36.07
#1	-.0008	504.8	.0009	.0005	.0001	489.2	-.0002	-.0004	-.0007
#2	-.0002	502.7	-.0002	.0001	.0001	480.5	-.0002	-.0001	-.0011
#3	.0006	508.8	.0015	.0000	.0001	470.7	-.0002	-.0004	-.0015
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0004	183.2	.2873	F502.2	-.0004	.0009	2970	.0004	-.0044
Stddev	.0003	.6	.0039	1.2	.0001	.0001	.0028	.0002	.0006
%RSD	79.15	.3272	1.370	.2308	17.57	16.64	95.73	65.04	14.02
#1	.0006	183.8	.2912	503.5	-.0005	.0007	.2946	.0006	-.0039
#2	.0003	182.6	.2834	501.2	-.0004	.0010	.3002	.0002	-.0041
#3	.0001	183.3	.2873	501.8	-.0004	.0009	.2962	.0002	-.0050
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0005	.0010	.0793	.0001	.0005	-.0006	.0018	.0007	-.0017
Stddev	.0004	.0003	.0004	.0004	.0002	.0000	.0013	.0003	.0001
%RSD	75.86	32.94	.4476	394.2	46.88	5.930	73.64	50.28	4.396
#1	.0001	.0010	.0789	-.0003	.0003	-.0006	.0029	.0005	-.0018
#2	.0006	.0006	.0797	.0002	.0004	-.0006	.0003	.0011	-.0017
#3	.0008	.0012	.0794	.0004	.0008	-.0006	.0022	.0005	-.0016
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1713.2	4530.5	32010	5084.4					
Stddev	1.6	9.7	217	14.1					
%RSD	.09354	.21475	.67839	.27663					
#1	1712.6	4526.3	31980	5068.2					
#2	1715.0	4541.6	32241	5091.5					
#3	1711.9	4523.6	31810	5093.6					

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Sample Name: ICSAB Acquired: 4/12/2016 19:59:05 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F9559	499.1	1.082	.5166	.4864	464.6	.9814	.4964	.4996
Stddev	.0082	8.2	.001	.0008	.0015	3.4	.0008	.0004	.0046
%RSD	.8611	1.634	.1308	.1599	.3016	.7249	.0818	.0847	.9176
#1	.9533	489.7	1.082	.5171	.4857	466.2	.9821	.4962	.4985
#2	.9493	504.0	1.080	.5156	.4854	460.7	.9805	.4961	.4957
#3	.9651	503.7	1.082	.5169	.4881	466.9	.9816	.4969	.5046
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5483	177.5	.2403	495.6	.5049	.9829	2801	.9939	.9556
Stddev	.0048	.1	.0106	.3	.0049	.0013	.0084	.0003	.0007
%RSD	.8710	.0790	4.396	.0634	.9699	.1328	2.998	.0301	.0719
#1	.5478	177.4	.2343	495.6	.5020	.9825	.2763	.9938	.9564
#2	.5438	177.5	.2525	495.2	.5021	.9819	.2898	.9943	.9550
#3	.5533	177.7	.2341	495.8	.5106	.9844	.2743	.9937	.9555
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.034	1.014	.1132	.9893	1.044	1.026	.9999	.47	

Sample Name: CCV Acquired: 4/12/2016 20:03:18 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2491	40.17	2.014	2.035	2.000	39.11	2.038	2.016	2.021	2.005
Stddev	.020	.04	.001	.002	.002	.10	.001	.001	.016	.011
%RSD	8064	.0920	.0356	.0843	.0947	.2611	.0318	.0390	.7929	.5570
#1	2472	40.13	2.013	2.035	1.999	38.99	2.037	2.016	2.005	1.994
#2	2489	40.16	2.013	2.033	2.002	39.19	2.038	2.015	2.020	2.005
#3	2512	40.21	2.015	2.036	1.998	39.14	2.038	2.017	2.037	2.016

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	38.14	41.65	38.78	2.043	2.010	40.43	2.013	2.018	2.010	2.022
Stddev	.08	.04	.12	.013	.004	.07	.001	.001	.004	.002
%RSD	.2173	.0901	.2982	.6537	.2254	.1678	.0277	.0514	.2041	.0827
#1	38.05	41.70	38.70	2.030	2.006	40.36	2.013	2.018	2.009	2.024
#2	38.18	41.62	38.91	2.043	2.009	40.45	2.013	2.017	2.014	2.020
#3	38.20	41.65	38.73	2.057	2.015	40.49	2.012	2.019	2.006	2.022

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.071	2.010	2.069	2.029	2.013	2.021	2.046
Stddev	.001	.001	.000	.013	.005	.013	.003
%RSD	.0489	.0339	.0212	.6335	.2468	.6243	.1206
#1	2.071	2.010	2.069	2.017	2.009	2.008	2.043
#2	2.070	2.009	2.069	2.029	2.013	2.022	2.046
#3	2.072	2.010	2.069	2.043	2.019	2.033	2.048

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 4/12/2016 20:03:18 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1719.2	4686.5	33530.	5327.3
Stddev	3.1	8.7	264.	22.9
%RSD	.17794	.18489	.78762	.42899
#1	1722.6	4696.5	33826.	5353.7
#2	1718.1	4682.3	33445.	5314.8
#3	1716.8	4680.7	33319.	5313.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	38.14	41.65	38.78	2.043	2.010	40.43	2.013	2.018	2.010	2.022
Stddev	.08	.04	.12	.013	.004	.07	.001	.001	.004	.002
%RSD	.2173	.0901	.2982	.6537	.2254	.1678	.0277	.0514	.2041	.0827
#1	38.05	41.70	38.70	2.030	2.006	40.36	2.013	2.018	2.009	2.024
#2	38.18	41.62	38.91	2.043	2.009	40.45	2.013	2.017	2.014	2.020
#3	38.20	41.65	38.73	2.057	2.015	40.49	2.012	2.019	2.006	2.022

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.071	2.010	2.069	2.029	2.013	2.021	2.046
Stddev	.001	.001	.000	.013	.005	.013	.003
%RSD	.0489	.0339	.0212	.6335	.2468	.6243	.1206
#1	2.071	2.010	2.069	2.017	2.009	2.008	2.043
#2	2.070	2.009	2.069	2.029	2.013	2.022	2.046
#3	2.072	2.010	2.069	2.043	2.019	2.033	2.048

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCB Acquired: 4/12/2016 20:07:15 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0036	.0007	.0003	.0001	.0191	.0001	.0000
Stddev	.0003	.0048	.0005	.0001	.0001	.0014	.0000	.0001
%RSD	145.0	134.9	64.61	38.49	91.80	7.466	50.12	337.9
#1	-0.001	.0090	.0010	.0003	.0001	.0206	.0001	.0000
#2	-0.006	-0.002	.0010	.0004	.0000	.0177	.0000	.0001
#3	.0000	.0020	.0002	.0002	.0003	.0191	.0001	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-.0002	.0413	.0807	-.0056	.0002	F.0024	.0543
Stddev	.0003	.0003	.0097	.0153	.0024	.0000	.0008	.0121
%RSD	143.5	215.5	23.40	18.95	43.39	18.92	33.31	22.37
#1	.0004	-.0005	.0516	.0982	-.0084	.0002	.0032	.0683
#2	.0003	.0001	.0400	.0740	-.0042	.0001	.0023	.0474
#3	-.0001	-.0001	.0324	.0698	-.0042	.0002	.0016	.0471

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass
 High Limit
 Low Limit

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	F-.0019	.0001	F.0021	.0012	.0007	.0000	.0013
Stddev	.0002	.0010	.0010	.0011	.0000	.0003	.0001	.0004
%RSD	226.6	55.12	683.0	54.09	2.958	49.78	262.4	30.30
#1	.0000	-.0009	.0004	.0033	.0012	.0008	.0001	.0016
#2	.0000	-.0017	.0009	.0011	.0012	.0009	-.0001	.0014
#3	.0003	-.0030	-.0010	.0020	.0012	.0003	.0000	.0009

Check ? Chk Pass Chk Fail Chk Pass Chk Fail None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/12/2016 20:07:15 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	.0004	.0003	.0011
Stddev	.0006	.0001	.0001
%RSD	135.5	24.31	8.030
#1	.0007	.0003	.0012
#2	.0008	.0004	.0010
#3	-.0002	.0003	.0011

Check ? Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1726.3	4723.8	32445.	5205.3
Stddev	2.9	4.0	147.	23.3
%RSD	.16768	.08408	.45393	.44829
#1	1724.4	4724.0	32614.	5178.4
#2	1729.7	4719.8	32378.	5218.4
#3	1724.9	4727.7	32343.	5219.2

Check ? Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	3	V	-0.009834	0.000000	No
			Fe	-0.000014	0.000000	No
			Mg	0.000008	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.035224	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	5	Fe	-0.000081	0.000000	No
			Cr	-0.000226	0.000000	No
			Mo	-0.000017	0.000000	No
			Al	0.000004	0.000000	No
			Ca	0.000002	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000005	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000115	0.000000	No
			Ti	-0.000059	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000089	0.000000	No
			Ca	0.000001	0.000000	No
			Al	-0.000001	0.000000	No
			Ti	0.000151	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.003012	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	3	Fe	-0.000001	0.000000	No
			Al	0.000005	0.000000	No
			Fe	-0.000012	0.000000	No
			Ca	0.000002	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Fe	-0.000275	0.000000	No
			Ca	0.000002	0.000000	No
			Mo	0.000528	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Ti	-0.000251	0.000000	No
			Al	0.000004	0.000000	No
			Mg	0.000047	0.000000	No
			Co	-0.000787	0.000000	No
			Cd	0.000240	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}*	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	-0.000017	0.000000	No
			Mg	0.000004	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000021	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000044	0.000000	No
			Co	-0.000054	0.000000	No
			Mo	0.000005	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000269	0.000000	No
			Ti	0.000440	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	9	Al	0.000361	0.000000	No
			Fe	-0.000118	0.000000	No
			Mo	-0.001012	0.000000	No
			Cu	0.001070	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000071	0.000000	No
			Ca	-0.000001	0.000000	No
			Cr	0.000050	0.000000	No
			Mg	0.000004	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?			
Sb 206.833 {463}	<input checked="" type="checkbox"/>	10	Fe	0.000017	0.000000	No			
			Cr	0.012140	0.000000	No			
			Mo	-0.004076	0.000000	No			
			V	-0.000611	0.000000	No			
			Sn	-0.010736	0.000000	No			
			Ti	0.000040	0.000000	No			
			Ca	-0.000001	0.000000	No			
			Ni	-0.000438	0.000000	No			
			Mg	-0.000002	0.000000	No			
			Al	0.000003	0.000000	No			
Se 196.090 {472}	<input checked="" type="checkbox"/>	10	Fe	-0.000014	0.000000	No			
			Ca	-0.000001	0.000000	No			
			Mn	0.000574	0.000000	No			
			Mo	0.000111	0.000000	No			
			Al	-0.000010	0.000000	No			
			V	0.000000	0.000000	No			
			Zn	0.000000	0.000000	No			
			Sr	0.000137	0.000000	No			
			As	-0.000032	0.000000	No			
			Be	0.000212	0.000000	No			
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.019120	0.000000	No			
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None							
Sr 407.771 { 83}	<input checked="" type="checkbox"/>	1	Ca	0.000017	0.000000	No			
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000007	0.000000	No			
Ti 190.856 {477}	<input checked="" type="checkbox"/>	11	Co	0.001145	0.000000	No			
			Fe	0.000017	0.000000	No			
			Al	-0.000011	0.000000	No			
			Ba	-0.000051	0.000000	No			
			Ti	-0.002651	0.000000	No			
			Sb	0.000012	0.000000	No			
			Ca	0.000003	0.000000	No			
			Cr	0.000230	0.000000	No			
			Mg	-0.000003	0.000000	No			
			Mn	0.000818	0.000000	No			
			V	-0.038621	0.000000	No			
			V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000008	0.000000	No
						Cr	-0.002590	0.000000	No
						Mo	-0.005797	0.000000	No
						Ti	0.000364	0.000000	No
Mn	-0.000693	0.000000				No			
Y 224.306 {450}*	<input checked="" type="checkbox"/>	None							
Y 360.073 { 94}*	<input checked="" type="checkbox"/>	None							
Y 371.030 { 91}*	<input checked="" type="checkbox"/>	None							
Zn 206.200 {463}	<input checked="" type="checkbox"/>	5	Cr	-0.000965	0.000000	No			
			Al	0.000005	0.000000	No			
			Ca	0.000003	0.000000	No			
			Fe	0.000006	0.000000	No			
			As	0.001128	0.000000	No			

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	-0.001237	0.759303	0.000000	1.000000
Al 396.152 { 85}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	-0.009504	0.158887	0.000000	1.000000
As 189.042 {478}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	-0.001031	0.364459	0.000000	1.000000
Ba 455.403 { 74}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	0.010666	12.616411	0.000000	1.000000
Be 313.042 {108}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	-0.000043	7.925204	0.000000	1.000000
Ca 317.933 {106}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	0.002920	0.253866	0.000000	1.000000
Cd 226.502 {449}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	-0.000674	6.190665	0.000000	1.000000
Co 228.616 {447}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	0.000154	2.782605	0.000000	1.000000
Cr 267.716 {126}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	0.000009	0.509335	0.000000	1.000000
Cu 324.754 {104}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	0.015058	0.792211	0.000000	1.000000
Fe 259.940 {130}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	0.002891	0.169437	0.000000	1.000000
In 230.606 {446}	4/12/2016 9:21:20	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	-0.006734	0.129772	0.000000	1.000000
Mg 279.079 {121}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	0.000031	0.026358	0.000000	1.000000
Mn 257.610 {131}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	0.000633	3.473283	0.000000	1.000000
Mo 202.030 {467}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	0.001667	1.423066	0.000000	1.000000
Na 589.592 { 57}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	-0.046806	0.361605	0.000000	1.000000
Ni 231.604 {445}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	-0.001558	1.953284	0.000000	1.000000
Pb 220.353 {453}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	-0.005181	1.469965	0.000000	1.000000
Sb 206.833 {463}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	0.000403	0.348469	0.000000	1.000000
Se 196.090 {472}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	-0.000562	0.277940	0.000000	1.000000
Si 212.412 {459}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	0.006896	0.500122	0.000000	1.000000
Sn 189.989 {477}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	0.000006	0.641649	0.000000	1.000000
Sr 407.771 { 83}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	0.001439	15.422425	0.000000	1.000000
Ti 334.941 {101}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	0.002410	2.019559	0.000000	1.000000
Tl 190.856 {477}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	-0.009155	0.657422	0.000000	1.000000
V 292.402 {115}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	-0.001052	0.737019	0.000000	1.000000
Y 224.306 {450}	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	0.002349	4.227374	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999981	0.000044	0.000489	0.001631	OK.	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999855	0.004366	0.010138	0.033793	OK.	1.000000	0.000000	1	0
As 189.042 {478}	0.999980	0.000184	0.000627	0.002092	OK.	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999984	0.005800	0.000182	0.000605	OK.	1.000000	0.000000	1	0
Be 313.042 {108}	0.999912	0.008452	0.000080	0.000266	OK.	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999802	0.008132	0.003014	0.010048	OK.	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999975	0.003523	0.000055	0.000182	OK.	1.000000	0.000000	1	0
Co 228.616 {447}	0.999971	0.001700	0.000131	0.000435	OK.	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999928	0.000493	0.000406	0.001352	OK.	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999893	0.000927	0.000385	0.001283	OK.	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999543	0.008255	0.002379	0.007931	OK.	1.000000	0.000000	1	0
In 230.606 {446}	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999507	0.006569	0.025262	0.084206	OK.	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999711	0.001020	0.018194	0.060646	OK.	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999872	0.004477	0.000056	0.000188	OK.	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999976	0.000800	0.000165	0.000550	OK.	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999568	0.017122	0.009294	0.030981	OK.	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999982	0.000951	0.000188	0.000625	OK.	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999956	0.001122	0.000604	0.002014	OK.	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999946	0.000291	0.001033	0.003444	OK.	1.000000	0.000000	1	0
Se 196.090 {472}	0.999982	0.000133	0.001243	0.004144	OK.	1.000000	0.000000	1	0
Si 212.412 {459}	0.999806	0.000809	0.000504	0.001681	OK.	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999988	0.000257	0.000294	0.000979	OK.	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999958	0.011440	0.000089	0.000298	OK.	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999985	0.000884	0.000168	0.000560	OK.	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999889	0.000757	0.000877	0.002922	OK.	1.000000	0.000000	1	0
V 292.402 {115}	0.999974	0.000428	0.000362	0.001208	OK.	1.000000	0.000000	1	0
Y 224.306 {450}	0.000000	0.000000	-1.000000	1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}	0.000000	0.000000	-1.000000	1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}	0.000000	0.000000	-1.000000	1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999949	0.003449	0.000059	0.000196	OK.	1.000000	0.000000	1	0

Accutest Laboratories SE Metals Digestion Log Water

DOD
m4

Method of digestion(circle one): SW846-3010A / SW846-3005A / EPA 200.7 / SM3030C

MP #: 30077
 Prep Date/Time (mm/dd/yy 24:00): 03.08.16/0740
 HotBlock I.D. 6 ±0.03.08.16
 Thermometer I.D. 6071
 Correction Factor (°C) -1
 Temperature Observed/Corrected (°C) 93/92
 Added^B: HNO₃
 Lot# 115080

Volume
 Spk. Sol. ^A Used(ml) Pipette #
ACC920 | 0.50 | 10
ACC894 | 0.25 | 10
Met5330 | 0.25 | 10
 Dig. Tube Lot#: J220264-261
 HCL
4115050

Sample #	Initial Volume(ml)	pH<2	Final Volume(ml)	Comments
Method Blank(MB)	50	N/A	50	
Spike Blank(SB)		N/A		
Matrix Spike(MS)		✓		
Matrix Spike Dup(MSD)		✓		
Duplicate(DUP)		✓		
1 QC ^C FA31958-3 9		✓		
2 ↓ -4 9		✓		
3 FA31934-1 5		✓		
4 ↓ -5 5		✓		
5 ↓ -8 5		✓		
6 ↓ -9 5		✓		
7 ↓ -13 5		✓		
8 ↓ -14 5		✓		
9 FA31807-1 1		✓		
10 ↓ -2 1		✓		
11 ↓ -3 1		✓		
12 ↓ -4 1		✓		
13 ↓ -5 1		✓		
14 FA31863-10F 17		✓		
15 ↓ -12F 17		✓		
16 ↓ -13F 25		✓		
17 ↓ -14F 17		✓		
18 ↓ -16F 17		✓		
19 ↓ -17F 17		✓		
20 FA31884-30 3	↓	✓	↓	
21 ^E				
22 ^E				
23 ^E				
24 ^E				

Analyst: James Jaugano Jr. Date: 03.08.16
 QC Review: Jm Date: 3.8.16

- A Used for SB, MS, MSD
- B For reagent volumes used consult SOP MET 103, current revision
- C Parent sample used to prepare MS, MSD, DUP
- D Bottle Number
- E Additional matrix QC

icpwaterdigestionlog091113.xls

Rev 01/20/10 DM

5g
DRYSIEVE
DOD (ms)

Accutest Laboratories SE Metals Digestion Log Soil

MP #: 30234

Method of Digestion: SW846-3050B

Prep Date/Time (mm/dd/yy 24:00): 4/12/14 11:04
 HotBlock I.D. 6914CECW3279 Spk. Sol. ^A ACC 938 Volume Used(ml) 1.00 Pipette # 10
 Thermometer I.D. 213 ACC924 0.50 10
 Correction Factor (°C) -1 MetS377 0.25 10
 Temperature Observed/Corrected (°C) 94, 93 Filter Lot#: 150928009
 Balance I.D. ADVPRO3 Dig. Tube Lot# ~~F220264~~ 201 1504103
 Added ^B: H₂O₂ HNO₃ HCL PTFE Boiling Chips
 Lot# 157487 115100 4115080 R263-SK012

Sample #	Wt. g	Final Volume(ml)	Comments
Method Blank(MB)	5.00	100.0	
Spike Blank(SB)	5.00		
Matrix Spike(MS)	5.23		
Matrix Spike Dup(MSD)	5.04		
Duplicate(DUP)	5.24		
1 QC ^C FA31884-1A ^D	5.22		
2 D2- FA31884-1A * 2	5.29		
3 2	5.43		
4 SA	5.42		
5 8A	5.10		
6 11A	5.24		
7 14A	5.38		
8 17A	5.45		
9 26A	5.36		
10 29A	5.32		
11 33A	5.33		
12 FA31932-1A	5.06		
13 SA	5.09		
14 14A	5.23		
15 17A	5.33		
16 20A	5.13		
17 23A	5.31		
18 26A	5.06		
19 29A	5.16		
20			
21 ^E			4/12/14
22 ^E			
23 ^E			
24 ^E			DB

Analyst: D. Bon
 QC Review: [Signature]

Date: 4/12/14
 Date: 4.12.14

A Used for SB, MS, MSD
 B For reagent volumes used consult SOP MET 104, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional Matrix QC
 icpsoildigestionlog012010.xls

* DB 4/12/14

9.3.2
9

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*e-Hardcopy 2.0
Automated Report*

Technical Report for

Kemron Environmental Services, Inc

Ft Ord; CA

07202.2001

SGS Accutest Job Number: FA31929

Sampling Date: 02/24/16

Report to:

Kemron Environmental Services, Inc
4522 Joe Lloyd Way
Monterey, CA 93944
emiddleditch@gilbaneco.com

ATTN: Eric Middleditch

Total number of pages in report: 138



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Sue Bell 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001)
DoD ELAP (L-A-B L2229), CA (2937), TX (T104704404), PA (68-03573), VA (460177),
AK, AR, GA, KY, MA, NV, OK, UT, WA

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Test results relate only to samples analyzed.

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Sample Summary

Kemron Environmental Services, Inc

Job No: FA31929

Ft Ord; CA

Project No: 07202.2001

Sample Number	Collected		Matrix Code	Received	Type	Client Sample ID
	Date	Time By				
FA31929-1	02/24/16	08:55 TRRP	SO	03/03/16	Soil	02-40SC0000
FA31929-5	02/24/16	09:03 TRRP	SO	03/03/16	Soil	02-21SC0000
FA31929-8	02/24/16	10:00 TRRP	SO	03/03/16	Soil	02-20SC0000
FA31929-12	02/24/16	10:00 TRRP	SO	03/03/16	Soil	02-38SC0000
FA31929-15	02/24/16	10:50 TRRP	SO	03/03/16	Soil	02-39SC0000
FA31929-18	02/24/16	11:03 TRRP	SO	03/03/16	Soil	02-23SC0000
FA31929-21	02/24/16	13:21 TRRP	SO	03/03/16	Soil	02-22SC0000
FA31929-22	02/24/16	13:21 TRRP	SO	03/03/16	Soil	02-22SC0000Q
FA31929-25	02/24/16	14:04 TRRP	SO	03/03/16	Soil	02-25SC0000
FA31929-28	02/24/16	14:35 TRRP	SO	03/03/16	Soil	02-24SC0000
FA31929-31	02/24/16	15:39 TRRP	AQ	03/03/16	Equipment Blank	02-ER05SC
FA31929-32	02/24/16	13:30 TRRP	SO	03/03/16	Soil	02-65SC0000
FA31929-35	02/24/16	14:15 TRRP	SO	03/03/16	Soil	02-66SC0000

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary (continued)

Kemron Environmental Services, Inc

Job No: FA31929

Ft Ord; CA

Project No: 07202.2001

Sample Number	Collected		Matrix				Client Sample ID
	Date	Time By	Received	Code	Type		
FA31929-38	02/24/16	14:55	TRRP	03/03/16	SO	Soil	02-35SC0000

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

2

Client: Kemron Environmental Services, Inc

Job No: FA31929

Site: Ft Ord; CA

Report Date: 4/7/2016 10:04:07 AM

14 Sample(s) were collected on 02/24/2016 and were received at SGS Accutest Southeast (SASE) on 03/03/2016 properly preserved, at 3.9 Deg. C and intact. These Samples received an SASE job number of FA31929. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix: AQ

Batch ID: MP30076

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA31919-1DUP, FA31919-1MS, FA31919-1MSD, FA31919-1PS, FA31919-1SDL were used as the QC samples for metals.

Matrix: SO

Batch ID: MP30214

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) FA31672-18DUP, FA31672-18MS, FA31672-18MSD, FA31672-18SDL, FA31672-18PS were used as the QC samples for metals.

MP30214-PS1 for Lead: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Date: April 7, 2016

Kim Benham, Client Services (signature on file)

Thursday, April 07, 2016

Page 1 of 1

Summary of Hits

Job Number: FA31929
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 02/24/16



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA31929-1	02-40SC0000					
Lead		15.8	1.9	0.38	mg/kg	SW846 6010C
FA31929-5	02-21SC0000					
Lead		30.6	1.9	0.38	mg/kg	SW846 6010C
FA31929-8	02-20SC0000					
Lead		16.4	1.9	0.37	mg/kg	SW846 6010C
FA31929-12	02-38SC0000					
Lead		12.6	1.9	0.38	mg/kg	SW846 6010C
FA31929-15	02-39SC0000					
Lead		24.0	1.9	0.38	mg/kg	SW846 6010C
FA31929-18	02-23SC0000					
Lead		33.6	2.0	0.39	mg/kg	SW846 6010C
FA31929-21	02-22SC0000					
Lead		55.3	2.0	0.39	mg/kg	SW846 6010C
FA31929-22	02-22SC0000Q					
Lead		35.4	2.0	0.40	mg/kg	SW846 6010C
FA31929-25	02-25SC0000					
Lead		33.9	2.0	0.39	mg/kg	SW846 6010C
FA31929-28	02-24SC0000					
Lead		73.0	2.0	0.40	mg/kg	SW846 6010C
FA31929-31	02-ER05SC					

No hits reported in this sample.

Summary of Hits

Job Number: FA31929
Account: Kemron Environmental Services, Inc
Project: Ft Ord; CA
Collected: 02/24/16



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA31929-32	02-65SC0000					
Lead		15.7	1.9	0.38	mg/kg	SW846 6010C
FA31929-35	02-66SC0000					
Lead		22.6	1.9	0.38	mg/kg	SW846 6010C
FA31929-38	02-35SC0000					
Lead		31.4	2.0	0.39	mg/kg	SW846 6010C

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: 02-40SC0000	Date Sampled: 02/24/16
Lab Sample ID: FA31929-1	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.1
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	15.8	1.9	0.38	0.094	mg/kg	5	04/06/16	04/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13079

(2) Prep QC Batch: MP30214

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-21SC0000	Date Sampled: 02/24/16
Lab Sample ID: FA31929-5	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.2
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	30.6	1.9	0.38	0.095	mg/kg	5	04/06/16	04/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13079

(2) Prep QC Batch: MP30214

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-20SC0000	Date Sampled: 02/24/16
Lab Sample ID: FA31929-8	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.3
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	16.4	1.9	0.37	0.093	mg/kg	5	04/06/16	04/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13079

(2) Prep QC Batch: MP30214

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-38SC0000	
Lab Sample ID: FA31929-12	Date Sampled: 02/24/16
Matrix: SO - Soil	Date Received: 03/03/16
	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.4
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	12.6	1.9	0.38	0.096	mg/kg	5	04/06/16	04/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13079

(2) Prep QC Batch: MP30214

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-39SC0000	Date Sampled: 02/24/16
Lab Sample ID: FA31929-15	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.5
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	24.0	1.9	0.38	0.095	mg/kg	5	04/06/16	04/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13079

(2) Prep QC Batch: MP30214

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-23SC0000	Date Sampled: 02/24/16
Lab Sample ID: FA31929-18	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.6
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	33.6	2.0	0.39	0.098	mg/kg	5	04/06/16	04/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13079

(2) Prep QC Batch: MP30214

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-22SC0000	Date Sampled: 02/24/16
Lab Sample ID: FA31929-21	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.7
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	55.3	2.0	0.39	0.098	mg/kg	5	04/06/16	04/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13079

(2) Prep QC Batch: MP30214

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-22SC0000Q	
Lab Sample ID: FA31929-22	Date Sampled: 02/24/16
Matrix: SO - Soil	Date Received: 03/03/16
	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.8
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	35.4	2.0	0.40	0.10	mg/kg	5	04/06/16	04/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13079

(2) Prep QC Batch: MP30214

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-25SC0000	
Lab Sample ID: FA31929-25	Date Sampled: 02/24/16
Matrix: SO - Soil	Date Received: 03/03/16
	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.9
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	33.9	2.0	0.39	0.098	mg/kg	5	04/06/16	04/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13079

(2) Prep QC Batch: MP30214

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-24SC0000	Date Sampled: 02/24/16
Lab Sample ID: FA31929-28	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.10
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	73.0	2.0	0.40	0.10	mg/kg	5	04/06/16	04/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13079

(2) Prep QC Batch: MP30214

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-ER05SC	Date Sampled: 02/24/16
Lab Sample ID: FA31929-31	Date Received: 03/03/16
Matrix: AQ - Equipment Blank	Percent Solids: n/a
Project: Ft Ord; CA	

4.11
4

Total Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.0 U	5.0	2.0	1.1	ug/l	1	03/08/16	03/08/16 LM	SW846 6010C ¹	SW846 3010A ²

(1) Instrument QC Batch: MA13017

(2) Prep QC Batch: MP30076

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-65SC0000	Date Sampled: 02/24/16
Lab Sample ID: FA31929-32	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.12
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	15.7	1.9	0.38	0.095	mg/kg	5	04/06/16	04/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13079

(2) Prep QC Batch: MP30214

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-66SC0000	
Lab Sample ID: FA31929-35	Date Sampled: 02/24/16
Matrix: SO - Soil	Date Received: 03/03/16
	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.13
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	22.6	1.9	0.38	0.095	mg/kg	5	04/06/16	04/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13079

(2) Prep QC Batch: MP30214

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-35SC0000	Date Sampled: 02/24/16
Lab Sample ID: FA31929-38	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.14
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	31.4	2.0	0.39	0.098	mg/kg	5	04/06/16	04/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13079

(2) Prep QC Batch: MP30214

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Misc. Forms**Custody Documents and Other Forms**

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # *RA-022416-01*
FA31929



Project Name: Fort Ord <i> D V H Z L G H S D Q J H S V V H V P</i>	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - <i> 5 5</i>	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW6330B - Explosives SW6010C - Lead SW6330B - Explosives by ISM SW6010C - Lead by ISM	Code	Matrix
			SO	SOIL
			Code	Container/Preservative
			2	2" 1L amber, 4 degrees C
			1	1" 1.0-1.5 kilogram bag
			13	1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016

Sample ID	Matrix	Date	Time	Samp Init.	Location ID	Sample Type	Depth (ft bgs) Top - Bottom
1 <i>02-40SC0000</i>	<i>SO</i>	<i>02/24/16</i>	<i>0855</i>	<i>TR</i>	<i>02-40</i>	<i>NI</i>	<i>0.0 0.5</i>
2 <i>02-40SC0001</i>			<i>0910</i>	<i>TR</i>		<i>NI</i>	<i>1.0 1.5</i> <i>HOLD</i>
3 <i>02-40SC0002</i>			<i>0935</i>	<i>TR</i>		<i>NI</i>	<i>2.0 2.5</i> <i>HOLD</i>
4 <i>02-40SC0002R</i>			<i>0935</i>	<i>TR</i>	<i>↓</i>	<i>FD</i>	<i>2.0 2.5</i> <i>HOLD</i>
5 <i>02-21SC0000</i>			<i>0903</i>	<i>RP</i>	<i>02-21</i>	<i>NI</i>	<i>0.0 0.5</i>
6 <i>02-21SC0001</i>			<i>0918</i>	<i>RP</i>	<i>↓</i>	<i>NI</i>	<i>1.0 1.5</i> <i>HOLD</i>
7 <i>02-21SC0002</i>			<i>0936</i>	<i>RP</i>	<i>↓</i>	<i>NI</i>	<i>2.0 2.5</i> <i>HOLD</i>
8 <i>02-20SC0000</i>			<i>1000</i>	<i>RP</i>	<i>02-20</i>	<i>NI</i>	<i>0.0 0.5</i>
9 <i>02-20SC0001</i>	<i>↓</i>	<i>↓</i>	<i>1034</i>	<i>RP</i>	<i>02-20</i>	<i>NI</i>	<i>1.0 1.5</i> <i>HOLD</i>

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	<i>3/1/16</i>	<i>1700</i>	<i>FX</i>			
<i>FX</i>			<i>[Signature]</i>	<i>3/3/16</i>	<i>9:45</i>	
Received by Laboratory: (Signature, Date, Time) & condition						<i>(2) 4.0 3.9</i>

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CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # *AP-022416-02*
1-8
FA31929



Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineyard Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW8330B - Explosives SW6010C - Lead SW8330B - Explosives by ISM SW6010C - Lead by ISM	Code	Matrix
			SO	SOIL
			WQ	WATER QUALITY CONTROL MATRIX
			Code	Container/Preservative
			2	2" TL amber, 4 degrees C
			13	1" 1.0-1.5 kilogram bag
			13	1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016

Sample ID	Matrix	Date	Time	Samp Init.	Location ID	Sample Type	Depth (ft bgs) Top - Bottom	
1 02-20SC0002	SO	2/24/16	1046	AP	02-20	NI	2.0 2.5	HOLD
2 02-20SC0001Q			1034	AP	02-20	FD	1.0 1.5	HOLD
3 02-38SC0000			1000	TR	02-38	NI	0.0 0.5	
4 02-38SC0001			1010	TR	02-38	NI	1.0 1.5	HOLD
5 02-38SC0002			1025	TR	02-38	NI	2.0 2.5	HOLD
6 02-39SC0000			1050	TR	02-39	NI	0.0 0.5	
7 02-39SC0001			1100	TR	02-39	NI	1.0 1.5	HOLD
8 02-39SC0002			1115	TR	02-39	NI	2.0 2.5	HOLD
9 02-23SC0000			1103	AP	02-23	NI	0.0 0.5	

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	3/1/16	1700	<i>[Signature]</i> FX	3/3/16	9:45	
FX			<i>[Signature]</i>			Received by Laboratory: (Signature, Date, Time) & condition

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CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd, Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # RP-022416-03
FA31929



Project Name: Fort Ord <u>5 D V H Z L G H 5 D Q J H 5 V V H V P</u>	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: <u>5 5</u>	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW8530B - Explosives SW86010C - Lead SW8530B - Explosives by ISM SW86010C - Lead by ISM	Code Matrix	
			<table border="1"> <tr><td>SO</td><td>SOIL</td></tr> <tr><td>WQ</td><td>WATER QUALITY CONTROL MATRIX</td></tr> </table>	SO
SO	SOIL			
WQ	WATER QUALITY CONTROL MATRIX			
			Code Container/Preservative	
			2 2" 1L amber, 4 degrees C	
			1 1" 1.0-1.5 kilogram bag	
			13 1" 250ml poly, with HNO3	

Event ID: Basowide Range Assessment Spring 2016											
Sample ID	Matrix	Date	Time	Samp Init.				Location ID	Sample Type	Depth (ft bgs) Top - Bottom	
① 02-23SC0001	SO	2/24/16	1115	RP			X	02-23	NI	1.0 1.5	HOLD
② 02-23SC0002		2/24/16	1124	RP				02-23	NI	2.0 2.5	HOLD
③ 02-22SC0000			1321	RP				02-22	NI	0.0 0.5	
④ 02-22SC0000			1321	RP				02-22	FD	0.0 0.5	
⑤ 02-22SC0001			1333	RP				02-22	NI	1.0 1.5	HOLD
⑥ 02-22SC0002			1344	RP				02-22	NI	2.0 2.5	HOLD
⑦ 02-25SC0000			1404	RP				02-25	NI	0.0 0.5	
⑧ 02-25SC0001			1412	RP				02-25	NI	1.0 1.5	HOLD
⑨ 02-25SC0002			1422	RP			✓	02-25	NI	2.0 2.5	HOLD

Cooler # _____ Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	3/1/16	1700	<i>[Signature]</i>	3/3/16	9:45	
FX						Received by Laboratory: (Signature, Date, Time) & condition

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CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # RP-022416-04
FA31929



Project Name: Fort Ord § D V H Z L G H § S D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method	Code	Matrix
			SO	SOIL
			WQ	WATER QUALITY CONTROL MATRIX
			Code	Container/Preservative
			2	2" 1L amber, 4 degrees C
			1	1" 1.0-1.5 kilogram bag
			13	1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016										
Sample ID	Matrix	Date	Time	Samp Init.				Location ID	Sample Type	Depth (ft bgs) Top - Bottom
1 02-24SC0000	SO	2/24/16	1435	RP			X	02-24	NI	0.0 0.5
2 02-24SC0001			1446	RP				02-24	NI	1.0 1.5
3 02-24SC0002			1459	RP				02-24	NI	2.0 2.5
4 02-ER05SC			1539	RP				Field DC	EP	NA NA
5 02-65SC0000			1330	TR				02-65	NI	0.0 0.5
6 02-65SC0001			1345	TR				02-65	NI	1.0 1.5
7 02-65SC0002			1400	TR				02-65	NI	2.0 2.5
8 02-66SC0000			1415	TR				02-66	NI	0.0 0.5
9 02-66SC0001			1425	TR				02-66	NI	1.0 1.5

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	3/1/16	1700	<i>[Signature]</i>			
FX			<i>[Signature]</i>	3/3/16	9:45	
						Received by Laboratory: (Signature, Date, Time) & condition

ENV_COC_Record July 06, 2015

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FA31929: Chain of Custody
Page 4 of 8

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # RP-022416-05

FA31929



Project Name: Fort Ord % D V H Z L G H 5 D Q J H \$ V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW8530B - Explosives SW8610C - Lead SW8530B - Explosives by ISM SW8610C - Lead by ISM	Code Matrix	
			<table border="1"> <tr><td>SO</td><td>SOIL</td></tr> <tr><td>WQ</td><td>WATER QUALITY CONTROL MATRIX</td></tr> </table>	SO
SO	SOIL			
WQ	WATER QUALITY CONTROL MATRIX			
			Code Container/Preservative	
			2 2" 1L amber, 4 degrees C	
			1 1" 1.0-1.5 kilogram bag	
			13 1" 250ml poly, with HNO3	

Event ID: Basewide Range Assessment Spring 2016											
Sample ID	Matrix	Date	Time	Samp Init.				Location ID	Sample Type	Depth (ft bgs) Top - Bottom	
37 1 02-66SC0002	SO	2/24/16	1440	TR				02-66	NI	2.0 2.5	HOLD
38 2 02-35SC0002			1455	TR				02-35	NI	0.0 0.5	
39 3 02-35SC0001			1505	TR				02-35	NI	1.0 1.5	HOLD
40 4 02-35SC0002			1520	TR				02-35	NI	2.0 2.5	HOLD
5											
6											
7											
8											
9											

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature) <i>[Signature]</i>	Date 3/1/16	Time 1700	Received by: (Signature) <i>[Signature]</i>	Date 3/3/16	Time 9:45	Shipping Date / Carrier / Airbill Number
Received by Laboratory: (Signature, Date, Time) & condition						

ENV_COC_Record
July 06, 2015

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ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA31929 CLIENT: Gaithane PROJECT: Fort Ord
 DATE/TIME RECEIVED: 3/3/16 9:45 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 2
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER DELIVERY OTHER: _____
 AIRBILL NUMBERS: _____

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM _____ 5-GRAM _____
 NUMBER OF 5035 FIELD KITS ? _____
 NUMBER OF LAB FILTERED METALS ? _____
 TEST STRIP LOT#s pH 0-3 204413A
 SUMMARY OF COMMENTS: _____

TEMPERATURE INFORMATION

IR THERM ID 1 CORR. FACTOR 10.2
 OBSERVED TEMPS: 3.7 3.8
 CORRECTED TEMPS: 3.9 4.0 (USED FOR LIMS)

SAMPLE INFORMATION

- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- % SOLIDS JAR NOT RECEIVED
- RESIDUAL CHLORINE PRESENT LOT# _____

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

OTHER (specify) _____

TECHNICIAN SIGNATURE/DATE [Signature] 3/4/16 REVIEWER SIGNATURE/DATE [Signature] 3-4-16
 NF 11/15 receipt confirmation 111015.xls

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ORIGIN ID:MRYA

SHIP DATE: 01MAR16
ACTWT: 56.40 LB MAN
CAD: /POS1621
DIMS: 21x13x11 IN
BILL RECIPIENT

UNITED STATES US

TO

ACCU TEST LABS
4405 VINELAND RD
STE C
ORLANDO FL 32811

(407) 426-8700

REF:

DEPT:



10 of 10
MPS# 0881 7824 9959 3897
Mstr# 8094 6995 2807-

THU - 03 MAR 10:30A
MORNING 2DAY

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FL-US MCO



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5.1
5

Job Change

FA31929

Requested Date: 3/7/2016
Account Name: Gilbane Company
Project: Fort Ord AFB, CA
CSR: sueb

Received Date: 3/3/2016
Due Date: 3/17/2016
Deliverable: FULT1
TAT (Days): 14

Sample #: FA31929-31

Change:
COC notes Pb by ISM. The matrix is water, should be Pb by 6010C

02-ER05SC

Above Changes Per: Eric M

Date/Time: 3/7/2016 12:36:11 PM

FA31929: Chain of Custody
Page 8 of 8

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Page 1 of 1

5.1
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QC Evaluation: DOD QSM5 Limits

Job Number: FA31929
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 02/24/16

QC Sample ID	CAS#	Analyte	Sample Result Type	Result Type	Result	Units	Limits
MP30076 SW846 6010C							
MP30076-B1	7439-92-1	Lead	BSP	REC	103.6	%	86-113
MP30076-S1*	7439-92-1	Lead	MS	REC	102.8	%	86-113
MP30076-S2*	7439-92-1	Lead	MSD	REC	103.6	%	86-113
MP30076-S2*	7439-92-1	Lead	MSD	RPD	.8	%	20
MP30076-D1*	7439-92-1	Lead	DUP	RPD	0	%	20
MP30214 SW846 6010C							
MP30214-B1	7439-92-1	Lead	BSP	REC	93	%	81-112
MP30214-S1*	7439-92-1	Lead	MS	REC	97.2	%	81-112
MP30214-S2*	7439-92-1	Lead	MSD	REC	83.9	%	81-112
MP30214-S2*	7439-92-1	Lead	MSD	RPD	2.6	%	20
MP30214-D1*	7439-92-1	Lead	DUP	RPD	3.3	%	20
MP30214-D2*	7439-92-1	Lead	DUP	RPD	.5	%	20

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* Sample used for QC is not from job FA31929

Metals Analysis

9

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31929
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13017
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:14	MA13017-STD1	1		STDA
09:18	MA13017-STD2	1		STDB
09:22	MA13017-STD3	1		STDC
09:26	MA13017-STD4	1		STDD
09:33	MA13017-HSTD1	1		
09:40	MA13017-ICV1	1		
09:47	MA13017-ICB1	1		
09:59	MA13017-CR1A1	1		
10:09	MA13017-ICSA1	1		
10:16	MA13017-ICSAB1	1		
10:22	MA13017-CCV1	1		
10:30	MA13017-CCB1	1		
10:37	ZZZZZZ	10		
10:41	ZZZZZZ	5		
10:46	ZZZZZZ	10		
10:50	ZZZZZZ	5		
10:55	ZZZZZZ	10		
10:59	FA31719-1	10		(sample used for QC only; not part of login FA31929)
11:03	MP30074-D1	10		
11:08	MP30074-S1	10		
11:12	MP30074-S2	10		
11:16	MP30074-PS1	10		
11:21	MA13017-CCV2	1		
11:25	MA13017-CCB2	1		
11:29	MP30074-SD1	50		
11:34	ZZZZZZ	20		
11:38	ZZZZZZ	10		
11:42	ZZZZZZ	4		
11:47	MP30074-D2	10		
11:52	MP30076-MB1	1		
11:56	MP30076-B1	1		
12:00	FA31919-1	1		(sample used for QC only; not part of login FA31929)
12:05	MP30076-D1	1		

6.1
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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31929
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030816M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 03/08/16
Run ID: MA13017
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:09	MP30076-SD1	5		
12:14	MA13017-CCV3	1		
12:18	MA13017-CCB3	1		
12:22	MP30076-PS1	1		
12:27	MP30076-S1	1		
12:31	MP30076-S2	1		
12:35	ZZZZZZ	1		
12:39	ZZZZZZ	1		
12:44	ZZZZZZ	1		
12:48	ZZZZZZ	1		
12:53	ZZZZZZ	1		
12:57	ZZZZZZ	1		
13:02	ZZZZZZ	1		
13:06	MA13017-CCV4	1		
13:10	MA13017-CCB4	1		
13:15	ZZZZZZ	1		
13:19	ZZZZZZ	1		
13:28	ZZZZZZ	1		
13:33	FA31929-31	1		
----->	Last reportable sample/prep for job FA31929			
13:37	ZZZZZZ	1		
13:41	ZZZZZZ	1		
13:46	ZZZZZZ	1		
13:50	ZZZZZZ	1		
13:55	ZZZZZZ	1		
13:59	MA13017-CCV5	1		
14:03	MA13017-CCB5	1		
14:08	ZZZZZZ	1		
14:12	ZZZZZZ	1		
14:17	MP30078-MB1	1		
14:21	MP30078-B1	1		
14:25	MP30078-B2	1		
14:30	ZZZZZZ	1		
14:34	MA13017-CRIA2	1		

6.1
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31929
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13017
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:39	MA13017-ICSA2	1		
14:43	MA13017-ICSAB2	1		
14:48	MA13017-CCV6	1		
15:06	MA13017-CCB6	1		

-----> Last reportable CCB for job FA31929
Refer to raw data for calibration curve and standards.

6.1
6

INTERNAL STANDARD SUMMARY

Login Number: FA31929
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13017
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:14	MA13017-STD1	5827	43250	3414	3013
09:18	MA13017-STD2	5747	42230	3395	2797
09:22	MA13017-STD3	5491	40597	3336	2527
09:26	MA13017-STD4	5274	40023	3356	2314
09:33	MA13017-HSTD1	5307	39284	3234	2331
09:40	MA13017-ICV1	5446	40018	3227	2493
09:47	MA13017-ICB1	5831 R	43107 R	3410 R	3006 R
09:59	MA13017-CRIA1	5753	42659	3410	2863
10:09	MA13017-ICSA1	5143	36581	3116	2275
10:16	MA13017-ICSAB1	5096	36586	3096	2221
10:22	MA13017-CCV1	5598	40728	3261	2543
10:30	MA13017-CCB1	5849	42689	3221	3017
10:37	ZZZZZZ	5888	43197	3316	2938
10:41	ZZZZZZ	5627	40975	3326	2735
10:46	ZZZZZZ	5664	40722	3224	2746
10:50	ZZZZZZ	5583	40761	3239	2757
10:55	ZZZZZZ	5647	41216	3241	2740
10:59	FA31719-1	5837	43454	3357	2945
11:03	MP30074-D1	5904	43468	3339	2974
11:08	MP30074-S1	5874	43190	3311	2901
11:12	MP30074-S2	5863	43180	3284	2908
11:16	MP30074-PS1	5833	43676	3336	2936
11:21	MA13017-CCV2	5506	41055	3259	2519
11:25	MA13017-CCB2	5832	43355	3342	3003
11:29	MP30074-SD1	5888	43662	3313	3006
11:34	ZZZZZZ	5850	43559	3276	3000
11:38	ZZZZZZ	5824	43664	3326	2963
11:42	ZZZZZZ	8290 !	60816 !	4902 !	2484
11:47	MP30074-D2	5800	43071	3243	2943
11:52	MP30076-MB1	5820	43469	3224	2998
11:56	MP30076-B1	5565	41259	3209	2641
12:00	FA31919-1	5775	43140	3283	2824
12:05	MP30076-D1	5756	42867	3247	2830

INTERNAL STANDARD SUMMARY

Login Number: FA31929
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13017
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:09	MP30076-SD1	5794	43562	3227	2960
12:14	MA13017-CCV3	5454	41069	3208	2527
12:18	MA13017-CCB3	5752	43625	3298	2997
12:22	MP30076-PS1	5678	42451	3250	2758
12:27	MP30076-S1	5558	41423	3199	2598
12:31	MP30076-S2	5551	41395	3220	2581
12:35	ZZZZZZ	5480	41349	3230	2703
12:39	ZZZZZZ	5538	41106	3174	2749
12:44	ZZZZZZ	5504	41015	3163	2725
12:48	ZZZZZZ	5587	42050	3263	2796
12:53	ZZZZZZ	5589	41552	3250	2730
12:57	ZZZZZZ	5524	40643	3154	2689
13:02	ZZZZZZ	5615	41682	3224	2786
13:06	MA13017-CCV4	5425	40273	3147	2511
13:10	MA13017-CCB4	5806	43723	3281	3005
13:15	ZZZZZZ	5589	41663	3223	2726
13:19	ZZZZZZ	5512	40868	3177	2687
13:28	ZZZZZZ	5683	43048	3200	2952
13:33	FA31929-31	5590	42042	3222	2796
13:37	ZZZZZZ	5590	41681	3203	2792
13:41	ZZZZZZ	5586	41570	3165	2792
13:46	ZZZZZZ	5354	40189	3192	2628
13:50	ZZZZZZ	5391	40754	3173	2710
13:55	ZZZZZZ	5359	40084	3134	2632
13:59	MA13017-CCV5	5437	40133	3107	2516
14:03	MA13017-CCB5	5704	42703	3143	2981
14:08	ZZZZZZ	5732	42926	3319	2734
14:12	ZZZZZZ	5633	42127	3197	2787
14:17	MP30078-MB1	5731	43630	3206	2997
14:21	MP30078-B1	5522	41115	3161	2639
14:25	MP30078-B2	5507	41235	3163	2645
14:30	ZZZZZZ	5690	43055	3242	2941
14:34	MA13017-CRIA2	5570	41599	3135	2830

INTERNAL STANDARD SUMMARY

Login Number: FA31929
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13017
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:39	MA13017-ICSA2	4947	36087	2896	2232
14:43	MA13017-ICSAB2	4916	36595	2920	2199
14:48	MA13017-CCV6	5370	41078	3127	2516
15:06	MA13017-CCB6	5603	42297	3130	2931

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

<u>Istd#</u>	<u>Parameter</u>	<u>Limits</u>
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.1.1
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BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31929
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030816M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/08/16
 Run ID: MA13017

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		09:47		10:30		11:25		12:18		
	Sample ID:	RL	IDL	ICB1	final	CCB1	final	CCB2	final	CCB3	final
Aluminum	200	14	anr								
Antimony	6.0	1	anr								
Arsenic	10	1.3	anr								
Barium	200	1	anr								
Beryllium	4.0	.2	anr								
Cadmium	4.0	.2	anr								
Calcium	1000	50	anr								
Chromium	10	1	anr								
Cobalt	50	.2	anr								
Copper	25	1	anr								
Iron	300	17	anr								
Lead	5.0	1	0.30	<20	0.40	<20	0.40	<5.0	0.0	<5.0	
Magnesium	5000	35	anr								
Manganese	15	.5	anr								
Molybdenum	50	.3	anr								
Nickel	40	.4	anr								
Potassium	10000	200	anr								
Selenium	10	2.4	anr								
Silver	10	.7	anr								
Sodium	10000	500	anr								
Strontium	10	.5	anr								
Thallium	10	1.1	anr								
Tin	50	.9	anr								
Titanium	10	.5	anr								
Vanadium	50	.5	anr								
Zinc	20	3	anr								

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31929
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030816M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/08/16
 Run ID: MA13017

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		13:10		14:03		15:06	
	Sample ID:	RL	CCB4	IDL	CCB5	final	CCB6	final
Aluminum		200		14				
Antimony		6.0	anr	1				
Arsenic		10	anr	1.3				
Barium		200	anr	1				
Beryllium		4.0		.2				
Cadmium		4.0	anr	.2				
Calcium		1000	anr	50				
Chromium		10	anr	1				
Cobalt		50		.2				
Copper		25	anr	1				
Iron		300	anr	17				
Lead		5.0	0.60	1	<5.0	1.0	<5.0	0.30
Magnesium		5000	anr	35				
Manganese		15	anr	.5				
Molybdenum		50	anr	.3				
Nickel		40		.4				
Potassium		10000	anr	200				
Selenium		10	anr	2.4				
Silver		10	anr	.7				
Sodium		10000	anr	500				
Strontium		10		.5				
Thallium		10		1.1				
Tin		50	anr	.9				
Titanium		10		.5				
Vanadium		50		.5				
Zinc		20	anr	3				

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
 6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31929
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13017 Units: ug/l

Metal	Time: Sample ID: ICV	09:40		CCV True	10:22		CCV True	11:21	
		ICV1	Results		CCV1	Results		CCV2	Results
	True		% Rec		% Rec			% Rec	
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	2010	100.5	2000	1980	99.0	2000	2000	100.0
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium	anr								
Thallium	anr								
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31929
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13017 Units: ug/l

Metal	Sample ID	Time: CCV	12:14 CCV3		13:06 CCV4		13:59 CCV5			
			Results	% Rec	Results	% Rec	Results	% Rec		
Aluminum										
Antimony	anr									
Arsenic	anr									
Barium	anr									
Beryllium										
Cadmium	anr									
Calcium	anr									
Chromium	anr									
Cobalt										
Copper	anr									
Iron	anr									
Lead	2000		1980	99.0	2000	1990	99.5	2000	1990	99.5
Magnesium	anr									
Manganese	anr									
Molybdenum	anr									
Nickel										
Potassium										
Selenium	anr									
Silver	anr									
Sodium	anr									
Strontium										
Thallium										
Tin	anr									
Titanium										
Vanadium										
Zinc	anr									

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31929
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13017 Units: ug/l

Time:	14:48		
Sample ID:	CCV	CCV6	
Metal	True	Results	% Rec

Aluminum			
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt			
Copper	anr		
Iron	anr		
Lead	2000	1980	99.0
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel			
Potassium			
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium			
Tin	anr		
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA31929
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13017 Units: ug/l

Time:	09:33		
Sample ID:	HSTD1		
Metal	HSTD True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	4000	4000	100.0
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium	anr		
Thallium	anr		
Tin	anr		
Titanium	anr		
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA31929
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13017 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	09:59 CRIA1 Results	% Rec	14:34 CRIA2 Results	% Rec
Metal						
Aluminum	400	200	anr			
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	5.2	104.0	5.1	102.0
Magnesium	10000	5000	anr			
Manganese	30	15	anr			
Molybdenum	100	50	anr			
Nickel	80	40	anr			
Potassium	20000	10000	anr			
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10	anr			
Thallium	20	10	anr			
Tin	100	50	anr			
Titanium	20	10	anr			
Vanadium	100	50	anr			
Zinc	40	20	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA31929
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13017 Units: ug/l

Metal	Time:		10:09		10:16		14:39		14:43	
	Sample ID:	ICSAB	ICSAB	ICSAB	ICSAB1	ICSAB1	ICSAB2	ICSAB2	ICSAB2	ICSAB2
	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	482000	96.4	506000	101.2	504000	100.8	534000	106.8
Antimony		1000	1.2		1020	102.0	2.2		1060	106.0
Arsenic		1000	0.0		1080	108.0	0.0		1120	112.0
Barium		500	0.0		513	102.6	0.70		580	116.0
Beryllium		500	0.20		517	103.4	0.10		574	114.8
Cadmium		1000	0.0		963	96.3	-0.20		1040	104.0
Calcium	500000	500000	474000	94.8	494000	98.8	490000	98.0	501000	100.2
Chromium		500	0.50		520	104.0	0.40		538	107.6
Cobalt		500	0.0		473	94.6	0.10		530	106.0
Copper		500	1.1		551	110.2	0.50		588	117.6
Iron	200000	200000	178000	89.0	191000	95.5	184000	92.0	193000	96.5
Lead		1000	0.10		963	96.3	-4.4		1020	102.0
Magnesium	500000	500000	508000	101.6	533000	106.6	514000	102.8	523000	104.6
Manganese		500	0.70		522	104.4	0.50		552	110.4
Molybdenum		1000	0.0		928	92.8	0.10		994	99.4
Nickel		1000	0.0		957	95.7	-0.10		1030	103.0
Potassium			686		99.8		770		81.7	
Selenium		1000	-0.10		1020	102.0	-1.1		1060	106.0
Silver		1000	0.0		1060	106.0	-0.70		1120	112.0
Sodium			739		174		765		156	
Strontium		1000	0.50		1020	102.0	0.20		1030	103.0
Thallium		1000	1.7		960	96.0	2.3		964	96.4
Tin		1000	2.9 (a)		930	93.0	3.2		942	94.2
Titanium		1000	0.40		1020	102.0	0.50		1010	101.0
Vanadium		500	0.0		474	94.8	0.60		498	99.6
Zinc		1000	0.10		970	97.0	-1.5		1040	104.0

(*) Outside of QC limits
(anr) Analyte not requested
(a) Verified trace level impurity.

6.1.6
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31929
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040616M2.ICP Date Analyzed: 04/06/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13079
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:31	MA13079-STD1	1		STDA
12:40	MA13079-STD2	1		STDB
12:43	MA13079-STD3	1		STDC
12:47	MA13079-STD4	1		STDD
12:51	MA13079-HSTD1	1		
12:57	MA13079-ICV1	1		
13:05	MA13079-ICB1	1		
13:13	MA13079-CR1A1	1		
13:21	MA13079-ICSA1	1		
13:29	MA13079-ICSAB1	1		
13:35	MA13079-CCV1	1		
13:41	MA13079-CCB1	1		
13:45	MP30212-MB1	1		
13:50	MP30212-B1	1		
14:26	ZZZZZZ	10		
14:30	MA13079-CCV2	1		
14:35	MA13079-CCB2	1		
14:39	ZZZZZZ	10		
14:44	ZZZZZZ	10		
14:48	ZZZZZZ	10		
14:53	ZZZZZZ	10		
14:57	ZZZZZZ	10		
15:02	ZZZZZZ	10		
15:06	ZZZZZZ	10		
15:11	ZZZZZZ	10		
15:16	ZZZZZZ	10		
15:20	ZZZZZZ	10		
15:25	MA13079-CCV3	1		
15:29	MA13079-CCB3	1		
15:34	ZZZZZZ	10		
15:38	ZZZZZZ	10		
15:43	ZZZZZZ	10		
15:48	ZZZZZZ	10		

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31929
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040616M2.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 04/06/16
Run ID: MA13079
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:52	ZZZZZZ	10		
15:57	ZZZZZZ	10		
16:01	ZZZZZZ	10		
16:06	ZZZZZZ	10		
16:10	MP30214-MB1	5		
16:15	MP30214-B1	5		
16:19	MA13079-CCV4	1		
16:23	MA13079-CCB4	1		
16:28	FA31672-18	5		(sample used for QC only; not part of login FA31929)
16:32	MP30214-D1	5		
16:37	MP30214-D2	5		
16:41	MP30214-SD1	25		
16:45	MP30214-PS1	5		
16:50	MP30214-S1	5		
16:54	MP30214-S2	5		
16:58	ZZZZZZ	5		
17:03	ZZZZZZ	5		
17:07	FA31929-1	5		
17:11	MA13079-CCV5	1		
17:15	MA13079-CCB5	1		
17:20	FA31929-5	5		
17:24	FA31929-8	5		
17:29	FA31929-12	5		
17:33	FA31929-15	5		
17:37	FA31929-18	5		
17:42	FA31929-21	5		
17:46	FA31929-22	5		
17:51	FA31929-25	5		
17:55	FA31929-28	5		
17:59	FA31929-32	5		
18:04	MA13079-CCV6	1		
18:08	MA13079-CCB6	1		
18:12	FA31929-35	5		

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31929
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040616M2.ICP Date Analyzed: 04/06/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13079
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
------	--------------------	-----------------	----------	----------

-----> 18:17 FA31929-38 5
Last reportable sample/prep for job FA31929
18:21 ZZZZZZ 5

18:25 ZZZZZZ 5

18:30 MA13079-CRIA2 1
18:34 MA13079-ICSA2 1
18:39 MA13079-ICSAB2 1
18:43 MA13079-CCV7 1

-----> 18:48 MA13079-CCB7 1
Last reportable CCB for job FA31929
Refer to raw data for calibration curve and standards.

6.2
6

INTERNAL STANDARD SUMMARY

Login Number: FA31929
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040616M2.ICP Date Analyzed: 04/06/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13079
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:31	MA13079-STD1	4979	42096	4860	2591
12:40	MA13079-STD2	5013	41611	4881	2496
12:43	MA13079-STD3	4831	40583	4805	2298
12:47	MA13079-STD4	4557	39555	4793	2107
12:51	MA13079-HSTD1	4649	40033	4778	2145
12:57	MA13079-ICV1	4823	40675	4769	2294
13:05	MA13079-ICB1	4927 R	41543 R	4794 R	2573 R
13:13	MA13079-CRIA1	4977	41833	4868	2546
13:21	MA13079-ICSA1	4485	37406	4546	2076
13:29	MA13079-ICSAB1	4481	37167	4499	2038
13:35	MA13079-CCV1	4806	40771	4765	2306
13:41	MA13079-CCB1	5001	41936	4781	2618
13:45	MP30212-MB1	5019	43041	4822	2643
13:50	MP30212-B1	4885	41417	4759	2448
14:26	ZZZZZZ	4701	40051	4716	2236
14:30	MA13079-CCV2	4745	40875	4754	2294
14:35	MA13079-CCB2	4927	42237	4804	2611
14:39	ZZZZZZ	4609	39704	4689	2207
14:44	ZZZZZZ	4504	38827	4623	2175
14:48	ZZZZZZ	4570	39679	4771	2178
14:53	ZZZZZZ	4937	42316	4871	2236
14:57	ZZZZZZ	4579	39060	4588	2209
15:02	ZZZZZZ	4884	42209	4913	2200
15:06	ZZZZZZ	4684	40618	4706	2335
15:11	ZZZZZZ	4593	40497	4674	2369
15:16	ZZZZZZ	5277	45659	5316	2141
15:20	ZZZZZZ	5996	51997 !	5928	2454
15:25	MA13079-CCV3	4691	40819	4605	2291
15:29	MA13079-CCB3	4831	42201	4710	2589
15:34	ZZZZZZ	5024	43995	5122	2191
15:38	ZZZZZZ	6050	52309 !	5946	2394
15:43	ZZZZZZ	6340 !	55213 !	6182 !	2408
15:48	ZZZZZZ	6209 !	54477 !	6212 !	2393

INTERNAL STANDARD SUMMARY

Login Number: FA31929
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040616M2.ICP Date Analyzed: 04/06/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13079
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:52	ZZZZZZ	4581	40797	4707	2163
15:57	ZZZZZZ	4676	41406	4801	2225
16:01	ZZZZZZ	5655	49389	5600	2408
16:06	ZZZZZZ	5659	49959	5642	2437
16:10	MP30214-MB1	4851	42437	4656	2598
16:15	MP30214-B1	4828	42224	4596	2541
16:19	MA13079-CCV4	4644	41290	4620	2292
16:23	MA13079-CCB4	4864	42808	4707	2634
16:28	FA31672-18	5054	43832	4811	2507
16:32	MP30214-D1	5031	44099	4809	2514
16:37	MP30214-D2	5010	44025	4820	2496
16:41	MP30214-SD1	4942	43546	4779	2593
16:45	MP30214-PS1	5021	43778	4824	2500
16:50	MP30214-S1	5008	43583	4777	2465
16:54	MP30214-S2	4986	43732	4854	2463
16:58	ZZZZZZ	5005	43960	4780	2511
17:03	ZZZZZZ	4978	43619	4768	2542
17:07	FA31929-1	4905	43169	4783	2518
17:11	MA13079-CCV5	4646	41584	4623	2309
17:15	MA13079-CCB5	4825	42751	4656	2624
17:20	FA31929-5	4879	43320	4658	2563
17:24	FA31929-8	4911	43831	4758	2523
17:29	FA31929-12	4870	43265	4696	2559
17:33	FA31929-15	4958	44149	4780	2558
17:37	FA31929-18	4866	43452	4710	2557
17:42	FA31929-21	4861	43570	4754	2528
17:46	FA31929-22	4881	43491	4713	2536
17:51	FA31929-25	4889	43436	4722	2539
17:55	FA31929-28	4836	43494	4748	2503
17:59	FA31929-32	4911	43986	4752	2533
18:04	MA13079-CCV6	4610	41232	4573	2312
18:08	MA13079-CCB6	4740	42810	4651	2603
18:12	FA31929-35	4879	43954	4859	2476

6.2.1
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INTERNAL STANDARD SUMMARY

Login Number: FA31929
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040616M2.ICP Date Analyzed: 04/06/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13079
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:17	FA31929-38	4879	43741	4737	2507
18:21	ZZZZZZ	4869	43488	4721	2513
18:25	ZZZZZZ	4860	43830	4771	2477
18:30	MA13079-CRIA2	4729	42296	4686	2547
18:34	MA13079-ICSA2	4263	37349	4349	2057
18:39	MA13079-ICSAB2	4212	37483	4295	2015
18:43	MA13079-CCV7	4534	41089	4590	2280
18:48	MA13079-CCB7	4711	42429	4595	2579

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

<u>Istd#</u>	<u>Parameter</u>	<u>Limits</u>
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31929
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040616M2.ICP
 QC Limits: result < RL

Date Analyzed: 04/06/16
 Run ID: MA13079

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		13:05		13:41		14:35		15:29	
	Sample ID:	RL	ICB1	IDL	CCB1	final	CCB2	final	CCB3	final
Aluminum		200		14						
Antimony		20	anr							
Arsenic		10		1.3						
Barium		200	anr							
Beryllium		5.0		.2						
Cadmium		4.0		.2						
Calcium		5000		50						
Chromium		10		1						
Cobalt		50		.2						
Copper		25	anr							
Iron		300		17						
Lead		20	0.90	1	<20	0.70	<20	1.2	<20	0.50
Magnesium		5000		35						
Manganese		15		.5						
Molybdenum		50		.3						
Nickel		40		.4						
Potassium		10000		200						
Selenium		20		2.4						
Silver		10		.7						
Sodium		10000		500						
Strontium		10		.5						
Thallium		10		1.1						
Tin		50		.9						
Titanium		10		.5						
Vanadium		50		.5						
Zinc		20	anr	3						

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31929
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040616M2.ICP
 QC Limits: result < RL

Date Analyzed: 04/06/16
 Run ID: MA13079

Methods: SW846 6010C
 Units: ug/l

Metal	RL	IDL	16:23	final	17:15	final	18:08	final	18:48	final
			CCB4 raw		CCB5 raw		CCB6 raw		CCB7 raw	
Aluminum	200	14								
Antimony	20	1	anr							
Arsenic	10	1.3								
Barium	200	1	anr							
Beryllium	5.0	.2								
Cadmium	4.0	.2								
Calcium	5000	50								
Chromium	10	1								
Cobalt	50	.2								
Copper	25	1	anr							
Iron	300	17								
Lead	20	1	0.60	<20	0.60	<20	1.0	<20	0.70	<20
Magnesium	5000	35								
Manganese	15	.5								
Molybdenum	50	.3								
Nickel	40	.4								
Potassium	10000	200								
Selenium	20	2.4								
Silver	10	.7								
Sodium	10000	500								
Strontium	10	.5								
Thallium	10	1.1								
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5								
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31929
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040616M2.ICP Date Analyzed: 04/06/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13079 Units: ug/l

Metal	Time:		12:57		13:35		14:30		
	Sample ID:	ICV	ICV1	CCV	CCV1	CCV	CCV2		
	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic									
Barium	anr								
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper	anr								
Iron									
Lead	2000	1980	99.0	2000	2000	100.0	2000	2000	100.0
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31929
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040616M2.ICP Date Analyzed: 04/06/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13079 Units: ug/l

Metal	Sample ID	Time:	15:25	% Rec	CCV	16:19	% Rec	CCV	17:11	% Rec
		CCV	CCV3		CCV4	CCV5				
Aluminum										
Antimony	anr									
Arsenic										
Barium	anr									
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper	anr									
Iron										
Lead	2000	1990	99.5	2000	1990	99.5	2000	1970	98.5	
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc	anr									

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31929
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040616M2.ICP Date Analyzed: 04/06/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13079 Units: ug/l

Time:	18:04	18:43				
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum						
Antimony	anr					
Arsenic						
Barium	anr					
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper	anr					
Iron						
Lead	2000	1950	97.5	2000	1970	98.5
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA31929
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040616M2.ICP Date Analyzed: 04/06/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13079 Units: ug/l

Time:	12:51
Sample ID: HSTD	HSTD1
Metal	True
Results	% Rec

Aluminum			
Antimony	anr		
Arsenic			
Barium	anr		
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper	anr		
Iron			
Lead	4000	3950	98.8
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.4
 6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA31929
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040616M2.ICP Date Analyzed: 04/06/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13079 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	13:13 CRIA1 Results	% Rec	18:30 CRIA2 Results	% Rec
Metal						
Aluminum	400	200				
Antimony	10	5.0	anr			
Arsenic	20	10				
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0				
Calcium	2000	1000				
Chromium	20	10				
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300				
Lead	10	5.0	5.9	118.0	6.2	124.0
Magnesium	10000	5000				
Manganese	30	15				
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000				
Selenium	20	10				
Silver	20	10				
Sodium	20000	10000				
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA31929
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040616M2.ICP Date Analyzed: 04/06/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13079 Units: ug/l

Time:	13:21	13:29	18:34	18:39						
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2						
Metal	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum	500000	500000	501000	100.2	497000	99.4	527000	105.4	532000	106.4
Antimony		1000	0.0		1000	100.0	0.70		1050	105.0
Arsenic		1000	0.90		1060	106.0	0.70		1110	111.0
Barium		500	-0.10		500	100.0	-0.20		483	96.6
Beryllium		500	-0.10		497	99.4	0.0		501	100.2
Cadmium		1000	0.0		921	92.1	-0.50		968	96.8
Calcium	500000	500000	472000	94.4	473000	94.6	464000	92.8	471000	94.2
Chromium		500	-0.10		492	98.4	0.10		491	98.2
Cobalt		500	-0.20		458	91.6	-0.30		497	99.4
Copper		500	0.0		529	105.8	0.30		558	111.6
Iron	200000	200000	181000	90.5	181000	90.5	186000	93.0	187000	93.5
Lead		1000	-0.30		929	92.9	-6.9		907	90.7
Magnesium	500000	500000	520000	104.0	524000	104.8	553000	110.6	566000	113.2
Manganese		500	-0.10		492	98.4	-0.30		474	94.8
Molybdenum		1000	0.10		920	92.0	-0.70		1000	100.0
Nickel		1000	0.10		917	91.7	0.10		949	94.9
Potassium			156		99.5		67.3		28.4	
Selenium		1000	0.0		998	99.8	-5.8		1060	106.0
Silver		1000	-0.10		1000	100.0	-0.60		1030	103.0
Sodium			138		137		109		111	
Strontium		1000	0.30		1010	101.0	0.40		1000	100.0
Thallium		1000	0.0		944	94.4	-3.4		924	92.4
Tin		1000	1.3		923	92.3	1.0		922	92.2
Titanium		1000	0.50		993	99.3	0.60		963	96.3
Vanadium		500	0.10		457	91.4	0.80		443	88.6
Zinc		1000	-3.1		921	92.1	-3.6		925	92.5

(*) Outside of QC limits
(anr) Analyte not requested

6.2.6
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA31929
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30076
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/08/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	14	14		
Antimony	6.0	1	1		
Arsenic	10	1.3	1.3		
Barium	200	1	1		
Beryllium	4.0	.2	.2		
Cadmium	5.0	.2	.2		
Calcium	1000	50	50		
Chromium	10	1	1		
Cobalt	50	.2	.2		
Copper	25	1	1		
Iron	300	17	17		
Lead	5.0	1	1.1	1.1	<5.0
Magnesium	5000	35	35		
Manganese	15	.5	1		
Molybdenum	50	.3	.3		
Nickel	40	.4	.4		
Potassium	10000	200	200		
Selenium	10	2.4	2.9		
Silver	10	.7	.7		
Sodium	10000	500	500		
Strontium	10	.5	.5		
Thallium	10	1.1	1.4		
Tin	50	.9	1		
Titanium	10	.5	1		
Vanadium	50	.5	.6		
Zinc	20	3	4.4		

Associated samples MP30076: FA31929-31

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.3.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31929
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30076
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/08/16 03/08/16

Metal	FA31919-1 Original	DUP	RPD	QC Limits	FA31919-1 Original MS	Spikelot MPFLICP2 % Rec	QC Limits		
Aluminum									
Antimony	anr								
Arsenic									
Barium	anr								
Beryllium									
Cadmium									
Calcium	anr								
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	0.0	0.0	NC	0-20	0.0	514	500	102.8	80-120
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel									
Potassium									
Selenium									
Silver									
Sodium	anr								
Strontium									
Thallium									
Tin	anr								
Titanium									
Vanadium									
Zinc	anr								

Associated samples MP30076: FA31929-31

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.3.2
 6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31929
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30076
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/08/16

Metal	FA31919-1 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit		
Aluminum						
Antimony	anr					
Arsenic						
Barium	anr					
Beryllium						
Cadmium						
Calcium	anr					
Chromium	anr					
Cobalt						
Copper	anr					
Iron	anr					
Lead	0.0	518	500	103.6	0.8	20
Magnesium	anr					
Manganese	anr					
Molybdenum	anr					
Nickel						
Potassium						
Selenium						
Silver						
Sodium	anr					
Strontium						
Thallium						
Tin	anr					
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP30076: FA31929-31

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.3.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA31929
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30076
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/08/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony	anr			
Arsenic				
Barium	anr			
Beryllium				
Cadmium				
Calcium	anr			
Chromium	anr			
Cobalt				
Copper	anr			
Iron	anr			
Lead	518	500	103.6	80-120
Magnesium	anr			
Manganese	anr			
Molybdenum	anr			
Nickel				
Potassium				
Selenium				
Silver				
Sodium	anr			
Strontium				
Thallium				
Tin	anr			
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP30076: FA31929-31

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.3.3
6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA31929
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30076
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/08/16

Metal	FA31919-1	Original	SDL 1:5	%DIF	QC Limits
Aluminum					
Antimony	anr				
Arsenic					
Barium	anr				
Beryllium					
Cadmium					
Calcium	anr				
Chromium	anr				
Cobalt					
Copper	anr				
Iron	anr				
Lead	0.00	0.00	NC		0-10
Magnesium	anr				
Manganese	anr				
Molybdenum	anr				
Nickel					
Potassium					
Selenium					
Silver					
Sodium	anr				
Strontium					
Thallium					
Tin	anr				
Titanium					
Vanadium					
Zinc	anr				

Associated samples MP30076: FA31929-31

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.3.4
 6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA31929
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30076
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date:

03/08/16

Metal	Sample ml	Final ml	FA31919-1 Raw	PS Corr.** ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	9.8	10		48.7	0.2	2.5	50	97.4	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP30076: FA31929-31

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (**) Corr. sample result = Raw * (sample volume / final volume)
 (anr) Analyte not requested

6.3.5
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA31929
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30214
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 04/06/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.4	3.5		
Antimony	2.0	.1	.13		
Arsenic	1.0	.13	.2		
Barium	20	.1	.1		
Beryllium	0.50	.02	.05		
Cadmium	0.40	.02	.05		
Calcium	500	5	5		
Chromium	1.0	.1	.1		
Cobalt	5.0	.02	.05		
Copper	2.5	.1	.1		
Iron	30	1.7	1.7		
Lead	2.0	.1	.1	0.13	<2.0
Magnesium	500	3.5	3.6		
Manganese	1.5	.05	.05		
Molybdenum	5.0	.03	.05		
Nickel	4.0	.04	.05		
Potassium	1000	20	20		
Selenium	2.0	.24	.24		
Silver	1.0	.07	.082		
Sodium	1000	50	50		
Strontium	1.0	.05	.05		
Thallium	1.0	.11	.11		
Tin	5.0	.09	.09		
Titanium	1.0	.05	.05		
Vanadium	5.0	.05	.05		
Zinc	2.0	.3	.3		

Associated samples MP30214: FA31929-1, FA31929-5, FA31929-8, FA31929-12, FA31929-15, FA31929-18, FA31929-21, FA31929-22, FA31929-25, FA31929-28, FA31929-32, FA31929-35, FA31929-38

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.4.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31929
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30214
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/06/16 04/06/16

Metal	FA31672-18		RPD	QC Limits	FA31672-18		RPD	QC Limits
	Original	DUP			Original	DUP		
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead	37.2	36.0	3.3	0-20	37.2	37.4	0.5	0-20
Magnesium								
Manganese								
Molybdenum								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Strontium								
Thallium								
Tin								
Titanium								
Vanadium								
Zinc								

Associated samples MP30214: FA31929-1, FA31929-5, FA31929-8, FA31929-12, FA31929-15, FA31929-18, FA31929-21, FA31929-22, FA31929-25, FA31929-28, FA31929-32, FA31929-35, FA31929-38

Results < IDL are shown as zero for calculation purposes

- (*) Outside of QC limits
- (N) Matrix Spike Rec. outside of QC limits
- (anr) Analyte not requested

6.4.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31929
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30214
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/06/16

Metal	FA31672-18 Original MS	Spikelot MPFLICP2 % Rec	QC Limits
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead	37.2 46.3	9.36 97.2	80-120
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

Associated samples MP30214: FA31929-1, FA31929-5, FA31929-8, FA31929-12, FA31929-15, FA31929-18, FA31929-21, FA31929-22, FA31929-25, FA31929-28, FA31929-32, FA31929-35, FA31929-38

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.4.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31929
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30214
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/06/16

Metal	FA31672-18 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	37.2 45.1	9.42 83.9	2.6	20
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30214: FA31929-1, FA31929-5, FA31929-8, FA31929-12, FA31929-15, FA31929-18, FA31929-21, FA31929-22, FA31929-25, FA31929-28, FA31929-32, FA31929-35, FA31929-38

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.4.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA31929
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30214
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/06/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	9.3	10	93.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30214: FA31929-1, FA31929-5, FA31929-8, FA31929-12, FA31929-15, FA31929-18, FA31929-21, FA31929-22, FA31929-25, FA31929-28, FA31929-32, FA31929-35, FA31929-38

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.3
6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA31929
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30214
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 04/06/16

Metal	FA31672-18	QC
	Original SDL 5:25 %DIF	Limits

Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	1970	1940	1.4	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30214: FA31929-1, FA31929-5, FA31929-8, FA31929-12, FA31929-15, FA31929-18, FA31929-21, FA31929-22, FA31929-25, FA31929-28, FA31929-32, FA31929-35, FA31929-38

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA31929
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30214
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date:

04/06/16

Metal	Sample ml	Final ml	FA31672-18 Raw	PS Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead	9.8	10	1965	1925.7	1911	0.2	2.5	50	-29.4*(a)	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP30214: FA31929-1, FA31929-5, FA31929-8, FA31929-12, FA31929-15, FA31929-18, FA31929-21, FA31929-22, FA31929-25, FA31929-28, FA31929-32, FA31929-35, FA31929-38

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(**) Corr. sample result = Raw * (sample volume / final volume)

(anr) Analyte not requested

(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

6.4.5
6

Instrument Detection Limits

Job Number: FA31929
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1	Effective Date: 01/27/15
-------------------------	--------------------------

Analyte	IDL ug/l
Aluminum	14
Antimony	1
Arsenic	1.3
Barium	1
Beryllium	.2
Cadmium	.2
Calcium	50
Chromium	1
Cobalt	.2
Copper	1
Iron	17
Lead	1
Magnesium	35
Manganese	.5
Molybdenum	.3
Nickel	.4
Potassium	200
Selenium	2.4
Silicon	5
Silver	.7
Sodium	500
Strontium	.5
Sulfur	5
Thallium	1.1
Tin	.9
Titanium	.5
Vanadium	.5
Zinc	3

The above applies to the following instrument runs:
MA13017,MA13079

6.5
6

Instrument Linear Ranges

Job Number: FA31929
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1

Effective Date: 08/13/13

Analyte	Linear Range ug/l
Aluminum	500000
Antimony	10000
Arsenic	10000
Barium	10000
Beryllium	10000
Cadmium	10000
Calcium	500000
Chromium	10000
Cobalt	10000
Copper	10000
Iron	500000
Lead	10000
Magnesium	500000
Manganese	10000
Molybdenum	10000
Nickel	10000
Potassium	80000
Selenium	10000
Silver	1000
Sodium	80000
Strontium	10000
Sulfur	10000
Thallium	10000
Tin	10000
Titanium	10000
Vanadium	10000
Zinc	10000

The above applies to the following instrument runs:
MA13017,MA13079

Metals Analysis

Raw Data

Sample Name: Blank Acquired: 3/8/2016 9:14:04 Type: Cal
Method: 60102007_042011(v909) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0002	-0.0003	-0.0006	.0011	.0002	.0020	-0.0011	-0.0006	-0.0001
Stddev	.0002	.0009	.0000	.0026	.0009	.0003	.0001	.0002	.0002
%RSD	97.92	289.1	2.784	238.0	603.1	13.87	8.930	39.16	126.5
#1	.0000	-0.0013	-0.0006	-0.0019	-0.0006	.0024	-0.0012	-0.0003	-0.0002
#2	.0004	.0001	-0.0006	.0027	.0012	.0019	-0.0010	-0.0007	.0001
#3	.0002	.0003	-0.0006	.0024	-0.0002	.0018	-0.0011	-0.0008	-0.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0016	.0012	-0.0073	.0000	.0006	.0011	-0.0204	-0.0001	-0.0003
Stddev	.0001	.0004	.0029	.000	.0001	.0000	.0048	.0001	.0002
%RSD	3.775	31.13	39.36	308.3	8.686	3.419	23.60	88.79	64.67
#1	.0015	.0013	-0.0090	-0.0001	.0007	.0011	-0.0240	-0.0002	-0.0005
#2	.0015	.0015	-0.0089	-0.0001	.0006	.0010	-0.0223	-0.0001	-0.0003
#3	.0016	.0008	-0.0040	.0001	.0005	.0011	-0.0149	.0000	-0.0001
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0006	-0.0008	.0005	.0003	.0018	.0014	-0.0008	-0.0007	.0009
Stddev	.0001	.0002	.0001	.0001	.0008	.0001	.0001	.0001	.0003
%RSD	15.41	25.39	2.085	35.80	45.03	4.743	15.37	10.64	28.29
#1	.0007	-0.0009	.0056	.0004	.0010	.0014	-0.0010	-0.0008	.0012
#2	.0005	-0.0006	.0055	.0002	.0018	.0015	-0.0008	-0.0006	.0008
#3	.0007	-0.0008	.0054	.0002	.0026	.0015	-0.0008	-0.0008	.0008
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	3012.9	5827.3	4325.0	3413.8					
Stddev	4.6	4.9	69.	13.8					
%RSD	.15169	.08468	.15869	.40356					
#1	3013.5	5821.6	4317.6	3401.0					
#2	3008.1	5830.5	4326.2	3428.4					
#3	3017.1	5829.7	4331.1	3412.0					

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Sample Name: LowStd Acquired: 3/8/2016 9:18:37 Type: Cal
Method: 60102007_042011(v909) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0384	2.199	.0896	3.749	5.944	2.917	2.476	1.277	2.842
Stddev	.0003	.005	.0007	.004	.004	.004	.003	.002	.0010
%RSD	.6988	.2428	.8283	.1034	.0656	.1540	.1300	.1766	.3638
#1	.0382	2.193	.0887	3.751	5.941	2.913	2.473	1.275	2.832
#2	.0387	2.201	.0900	3.751	5.948	2.922	2.479	1.279	2.841
#3	.0384	2.203	.0900	3.745	5.942	2.917	2.476	1.276	2.853
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4153	1.931	1.037	2.988	1.355	5.343	4.208	1.817	4.392
Stddev	.0005	.004	.002	.0012	.003	.0008	.020	.0012	.0020
%RSD	.1238	.2039	.1582	.4134	.2310	.1470	.4826	.1458	.4661
#1	.4151	1.932	1.036	2.988	1.353	5.345	4.185	1.817	4.395
#2	.4159	1.927	1.035	3.000	1.353	5.350	4.218	1.820	4.410
#3	.4149	1.935	1.038	2.976	1.358	5.335	4.221	1.813	4.370
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1220	.0619	1.563	2.049	8.066	1.084	1.492	3.843	1.361
Stddev	.0001	.0003	.0003	.0002	.024	.003	.0008	.0009	.001
%RSD	.1186	.5072	.2069	.0868	.3011	.3097	.5305	.2285	.0733
#1	.1220	.0617	1.566	2.047	8.046	1.081	1.499	3.834	1.361
#2	.1219	.0618	1.559	2.051	8.058	1.083	1.484	3.843	1.362
#3	.1222	.0623	1.563	2.049	8.093	1.088	1.494	3.852	1.360
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2797.0	5746.6	4223.0	3395.1					
Stddev	4.9	1.5	209.	22.4					
%RSD	.17443	.02603	.49397	.66705					
#1	2791.7	5747.5	42395.	3404.8					
#2	2798.2	5744.8	42298.	3369.5					
#3	2801.2	5747.3	41995.	3411.0					

Raw Data MA13017 page 2 of 94

Sample Name: MidStd Acquired: 3/8/2016 9:22:06 Type: Cal
Method: 60102007_042011(v909) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1330	8.353	3.761	15.57	24.23	10.94	10.03	5.162	1.145
Stddev	.0002	.034	.0007	.07	.15	.07	.01	.002	.002
%RSD	.1644	.4119	.1952	.4354	.6104	.6342	.0978	.0438	.1448
#1	.1328	8.381	3.762	15.59	24.36	11.00	10.02	5.160	1.147
#2	.1332	8.314	3.753	15.49	24.07	10.87	10.04	5.162	1.144
#3	.1329	8.363	3.768	15.62	24.26	10.95	10.04	5.164	1.146
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.686	7.046	3.991	1.134	5.442	2.228	16.01	3.284	1.839
Stddev	.009	.052	.020	.009	.040	.004	.09	.004	.003
%RSD	.5606	.7424	.4904	.7837	.7422	.1609	.5795	.1184	.1631
#1	1.691	7.092	4.006	1.143	5.395	2.225	16.07	3.280	1.836
#2	1.692	6.989	3.969	1.125	5.469	2.228	15.91	3.288	1.842
#3	1.675	7.057	3.998	1.133	5.461	2.232	16.07	3.285	1.839
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.5034	2.603	6.151	8.416	33.36	4.493	6.198	1.595	5.492
Stddev	.0004	.0003	.0005	.0013	.17	.009	.0027	.003	.011
%RSD	.0704	.1247	.0886	.1489	.4956	.1889	.4428	.1829	.2073
#1	.5034	2.600	6.154	8.401	33.47	4.502	6.168	1.598	5.480
#2	.5037	2.606	6.144	8.425	33.17	4.492	6.221	1.596	5.502
#3	.5030	2.604	6.154	8.421	33.44	4.485	6.206	1.592	5.495
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2527.1	5491.3	4059.7	3335.7					
Stddev	2.4	4.2	101.	31.1					
%RSD	.09312	.07652	.24898	.93223					
#1	2527.5	5489.2	4048.1	3305.0					
#2	2529.3	5496.2	4064.3	3367.2					
#3	2524.6	5488.6	4066.6	3335.0					

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Sample Name: HighStd Acquired: 3/8/2016 9:26:45 Type: Cal
Method: 60102007_042011(v909) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.714	16.71	7.742	31.74	48.13	21.81	20.02	10.32	2.241
Stddev	.0006	.04	.0034	.05	.12	.05	.09	.04	.003
%RSD	.2145	.2118	.4365	.1619	.2495	.2462	.4361	.4242	.1412
#1	2.707	16.68	7.703	31.71	48.03	21.76	19.92	10.27	2.245
#2	2.718	16.75	7.766	31.80	48.26	21.81	20.04	10.33	2.239
#3	2.716	16.70	7.755	31.71	48.09	21.86	20.09	10.36	2.239
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.377	14.18	8.062	2.236	10.55	4.412	32.26	6.569	3.826
Stddev	.011	.05	.017	.009	.05	.021	.04	.027	.011
%RSD	.3369	.3348	.2120	.4015	.4484	.4833	.1302	.4089	.2743
#1	3.378	14.13	8.043	2.226	10.59	4.389	32.21	6.538	3.814
#2	3.365	14.23	8.076	2.242	10.56	4.416	32.28	6.581	3.834
#3	3.388	14.18	8.068	2.241	10.50	4.431	32.28	6.587	3.830
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.030	5.335	1.273	1.646	66.18	8.700	1.268	3.146	10.98
Stddev	.005	.002							

Sample Name: HSTD Acquired: 3/8/2016 9:33:02 Type: QC
 Method: 60102007_042011(v909) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4951	79.98	3.967	3.990	4.007	79.50	3.930	3.923	4.015
Stddev	.0025	.17	.013	.010	.012	.19	.004	.006	.006
%RSD	.5053	.2174	.3192	.2550	.2909	.2449	.1112	.1433	.1392

#1	.4974	79.78	3.978	3.994	3.994	79.42	3.934	3.930	4.018
#2	.4953	80.07	3.971	3.998	4.010	79.36	3.930	3.920	4.009
#3	.4924	80.09	3.953	3.978	4.017	79.72	3.926	3.920	4.019

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.983	79.89	80.19	80.16	3.949	3.927	79.90	3.928	4.004
Stddev	.010	.10	.07	.19	.028	.009	.09	.003	.005
%RSD	.2515	.1202	.0824	.2308	.7014	.2390	.1065	.0692	.1288

#1	3.989	79.78	80.14	80.15	3.980	3.938	79.81	3.931	3.998
#2	3.987	79.93	80.27	79.97	3.938	3.924	79.96	3.926	4.007
#3	3.971	79.95	80.16	80.34	3.928	3.921	79.94	3.926	4.007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.949	3.940	3.943	3.910	3.999	3.973	3.971	3.993	3.968
Stddev	.013	.008	.008	.001	.007	.022	.010	.005	.002
%RSD	.3208	.2133	.2137	.0273	.1656	.5493	.2464	.1213	.0481

#1	3.964	3.942	3.952	3.910	3.992	3.980	3.962	3.990	3.968
#2	3.943	3.931	3.936	3.911	4.005	3.948	3.982	3.991	3.970
#3	3.941	3.947	3.940	3.909	4.000	3.990	3.969	3.999	3.966

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 3/8/2016 9:33:02 Type: QC
 Method: 60102007_042011(v909) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2331.0	5306.7	39284.	3234.0
Stddev	3.8	11.4	78.	4.4
%RSD	.16088	.21551	.19813	.13635

#1	2332.8	5295.6	39364.	3237.1
#2	2333.6	5318.5	39277.	3235.9
#3	2326.7	5306.1	39209.	3228.9

Sample Name: ICV Acquired: 3/8/2016 9:40:13 Type: QC
 Method: 60102007_042011(v909) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2554	41.89	1.993	2.059	2.093	42.93	2.040	2.041	2.066
Stddev	.0007	.06	.005	.011	.006	.15	.004	.004	.002
%RSD	.2672	.1431	.2357	.5239	.3058	.3499	.1864	.2145	.1181

#1	.2561	41.85	1.993	2.067	2.092	42.86	2.036	2.036	2.065
#2	.2548	41.96	1.989	2.065	2.101	43.10	2.041	2.042	2.064
#3	.2552	41.86	1.998	2.047	2.088	42.83	2.043	2.044	2.069

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.015	41.64	42.56	43.42	2.107	1.905	42.94	2.054	2.013
Stddev	.006	.11	.10	.18	.017	.003	.14	.001	.003
%RSD	.2992	.2659	.2298	.4146	.7867	.1620	.3143	.0701	.1317

#1	2.012	41.61	42.54	43.33	2.106	1.903	43.01	2.052	2.010
#2	2.011	41.77	42.67	43.63	2.091	1.905	43.04	2.055	2.015
#3	2.022	41.55	42.48	43.31	2.124	1.909	42.79	2.055	2.014

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.008	2.031	.0986	2.042	1.939	1.979	2.080	1.920	2.070
Stddev	.005	.007	.0016	.004	.006	.006	.003	.005	.002
%RSD	.2535	.3521	1.642	.1690	.2908	.2882	.1497	.2721	.1013

#1	2.003	2.023	.1001	2.038	1.942	1.973	2.083	1.914	2.068
#2	2.006	2.034	.0969	2.043	1.942	1.978	2.077	1.921	2.072
#3	2.013	2.037	.0987	2.044	1.932	1.984	2.080	1.924	2.071

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 3/8/2016 9:40:13 Type: QC
 Method: 60102007_042011(v909) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2492.6	5446.0	40018.	3226.9
Stddev	8.0	8.5	127.	2.6
%RSD	.32107	.15519	.31645	.07946

#1	2488.5	5444.3	40079.	3224.5
#2	2501.9	5455.1	40102.	3226.7
#3	2487.6	5438.4	39872.	3229.6

Sample Name: ICB Acquired: 3/8/2016 9:47:46 Type: QC
 Method: 60102007_042011(v909) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0155	.0000	.0000	.0000	.0006	.0000	.0000	-0.004
Stddev	.0002	.0059	.0007	.000	.000	.0015	.0000	.000	.0001
%RSD	85.62	38.20	3824.	2293.	314.7	236.0	194.2	253.0	18.11

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0038	.0294	-0.043	-0.001	.0004	.0115	.0001	.0003
Stddev	.0002	.0041	.0018	.0048	.0000	.0002	.0014	.0000	.0005
%RSD	157.0	107.7	6.152	110.7	34.76	42.34	12.09	43.19	142.3

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.008	.0011	.0047	.0002	-0.001	.0003	-0.006	-0.002	-0.001
Stddev	.0002	.0005	.0003	.0000	.0001	.0001	.0005	.0002	.0001
%RSD	20.36	42.32	5.907	6.756	88.63	18.67	80.20	143.6	68.44

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 3/8/2016 9:47:46 Type: QC
 Method: 60102007_042011(v909) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3005.7	5830.7	43107.	3410.4
Stddev	4.6	7.8	96.	5.4
%RSD	.15193	.13419	.22206	.15898

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

#1	#2	#3
3011.0	5829.1	43010.
3415.7	3410.6	3410.6
3002.8	5839.2	43202.

7.1
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Sample Name: CRIA Acquired: 3/8/2016 9:59:44 Type: QC
 Method: 60102007_042011(v909) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0088	.2174	.0105	.2026	.0051	1.043	.0053	.0531	.0104
Stddev	.0006	.0116	.0001	.0013	.0001	.009	.0000	.0003	.0001
%RSD	7.286	5.341	1.180	.6341	2.404	.8993	.7553	.6277	1.292

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0263	.3133	10.15	5.245	.0160	.0487	10.30	.0428	.0052
Stddev	.0004	.0054	.05	.033	.0001	.0005	.02	.0003	.0001
%RSD	1.622	1.730	4.505	.6366	.4253	1.000	.2122	.7607	1.330

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049	.0107	.0463	.0527	.0100	.0102	.0093	.0483	.0216
Stddev	.0002	.0007	.0009	.0004	.0001	.0001	.0005	.0003	.0001
%RSD	3.359	6.242	2.000	.8193	.6406	1.250	5.557	.6284	.4825

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 3/8/2016 9:59:44 Type: QC
 Method: 60102007_042011(v909) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2862.9	5752.9	42659.	3409.8
Stddev	14.7	32.7	161.	4.3
%RSD	.51344	.56805	.37732	.12701

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

#1	#2	#3
2871.1	5770.9	42535.
3410.9	3405.0	3413.5
2871.7	5772.7	42841.

Sample Name: ICSEA Acquired: 3/8/2016 10:09:09 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	482.3	.0000	.0000	.0002	473.8	.0000	.0000	.0005
Stddev	.000	4.7	.0004	.0006	.0001	4.6	.000	.0001	.0001
%RSD	1519.	.9699	1104.	2428.	58.25	.9664	1239.	209.2	17.61

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	178.4	.6862	508.3	.0007	.0000	.7388	.0000	.0001
Stddev	.0006	.1	.0077	1.6	.0000	.000	.0061	.000	.0013
%RSD	50.21	.0841	1.115	.3104	4.480	1607.	.8290	994.4	2611.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	-0.001	.0229	F .0029	.0005	.0004	.0017	.0000	.0001
Stddev	.0007	.0015	.0020	.0002	.0000	.0000	.0009	.000	.0002
%RSD	55.00	2622.	8.665	7.467	4.023	10.78	54.11	850.4	178.2

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSEA Acquired: 3/8/2016 10:09:09 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2274.5	5142.9	36581.	3115.7
Stddev	2.2	.6	156.	1.9
%RSD	.09553	.01091	.42699	.06213

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2272.3	5143.0	36584.	3114.1
Stddev	2274.6	5142.2	36424.	3117.9
%RSD	2276.7	5143.3	36736.	3115.3

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.1
7

Sample Name: ICSAB Acquired: 3/8/2016 10:16:53 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.061	505.8	1.080	.5125	.5165	494.1	.9627	.4730	.5195
Stddev	.000	8.6	.002	.0014	.0004	4.4	.0015	.0011	.0039
%RSD	.0240	1.710	.1597	.2749	.0827	.8971	.1563	.2230	.7497

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5506	190.5	.0998	532.7	.5221	.9275	.1736	.9573	.9628
Stddev	.0025	.3	.0310	2.1	.0013	.0030	.0072	.0006	.0026
%RSD	.4589	.1822	31.04	.3996	.2408	.3244	4.160	.0586	.2739

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.015	1.018	.2906	.9295	1.020	1.015	.9602	.4742	.9698
Stddev	.005	.006	.0006	.0005	.002	.002	.0015	.0020	.0009
%RSD	.5079	.6417	.1906	.0555	.1632	.2195	.1558	.4293	.0889

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 3/8/2016 10:16:53 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2221.4	5096.0	36586.	3095.7
Stddev	4.6	16.6	182.	11.1
%RSD	.20703	.32670	.49827	.35895

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2217.9	5081.2	36781.	3101.9
Stddev	2226.6	5114.0	36420.	3082.8
%RSD	2219.6	5092.9	36558.	3102.3

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/8/2016 10:22:29 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.452	39.49	1.974	1.970	2.003	40.08	1.995	1.976	2.037
Stddev	.0008	.16	.006	.012	.009	.25	.006	.008	.002
%RSD	.3282	.3942	.3086	.5819	.4395	.6317	.2972	.3863	.0738
#1	.2457	39.47	1.974	1.965	2.008	40.20	1.998	1.980	2.035
#2	.2443	39.35	1.980	1.962	1.993	39.79	1.999	1.981	2.037
#3	.2456	39.66	1.968	1.983	2.008	40.25	1.988	1.967	2.038

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.023	39.29	40.35	40.31	2.076	1.989	40.18	1.998	1.982
Stddev	.012	.16	.12	.29	.001	.006	.16	.004	.002
%RSD	.5927	.4130	.2980	.7275	.0679	.2975	.3993	.1972	.0782
#1	2.034	39.33	40.33	40.46	2.077	1.990	40.14	2.000	1.983
#2	2.025	39.11	40.24	39.97	2.076	1.995	40.04	2.001	1.981
#3	2.010	39.43	40.48	40.49	2.074	1.983	40.35	1.994	1.983

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.967	1.966	1.939	2.045	2.011	2.054	1.999	2.045	2.019
Stddev	.004	.007	.007	.004	.007	.005	.002	.002	.001
%RSD	.1969	.3507	.3718	.1907	.3333	.2486	.1070	.0859	.0567
#1	1.970	1.964	1.943	2.048	2.008	2.057	1.998	2.046	2.019
#2	1.969	1.973	1.944	2.048	2.007	2.057	1.998	2.046	2.020
#3	1.962	1.960	1.931	2.041	2.019	2.048	2.002	2.043	2.018

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/8/2016 10:22:29 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2543.4	5597.5	40728.	3261.4
Stddev	1.2	17.2	69.	16.9
%RSD	.04684	.30728	.16939	.51754
#1	2542.6	5595.6	40808.	3263.5
#2	2544.7	5581.4	40685.	3277.2
#3	2542.8	5615.6	40692.	3243.6

Sample Name: CCB Acquired: 3/8/2016 10:30:59 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0107	.0004	-0.002	.0000	.0039	.0000	.0000	-0.002
Stddev	.0003	.0102	.0003	.0003	.0000	.0011	.0000	.000	.0001
%RSD	163.5	95.39	79.11	147.5	3867.	28.85	113.9	254.8	57.80
#1	-.0004	.0020	.0007	-.0003	.0000	.0026	.0000	.0000	-.0004
#2	-.0002	.0219	.0001	.0001	.0000	.0048	.0000	.0000	-.0002
#3	.0001	.0081	.0004	-.0005	.0000	.0042	.0001	-.0001	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0049	.0514	-0.115	.0000	.0000	.0161	.0000	.0004
Stddev	.0001	.0023	.0562	.0030	.0000	.0001	.0074	.0000	.0006
%RSD	62.31	47.13	109.5	26.27	55.85	140.9	45.99	57.39	137.1
#1	.0001	.0076	.0655	-.0085	.0000	.0000	.0078	.0000	.0010
#2	.0001	.0040	-.0106	-.0116	.0000	.0001	.0220	.0000	.0004
#3	.0003	.0032	.0991	-.0145	.0000	.0000	.0186	.0000	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.001	-0.016	-0.001	.0000	.0000	-0.0012	-0.001	-0.001
Stddev	.0007	.0015	.0007	.0001	.000	.000	.0006	.0003	.0000
%RSD	525.8	1098.	41.68	74.73	2248.	3027.	52.04	224.5	66.65
#1	.0006	-.0018	-.0008	.0000	-.0001	.0000	-.0018	-.0001	.0000
#2	-.0007	.0012	-.0021	-.0001	.0000	.0001	-.0012	.0001	-.0001
#3	-.0003	.0001	-.0019	-.0001	.0000	-.0001	-.0006	-.0004	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/8/2016 10:30:59 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3016.8	5848.7	42689.	3221.3
Stddev	3.2	3.6	66.	15.0
%RSD	.10587	.06173	.15350	.46553
#1	3013.2	5844.8	42623.	3210.9
#2	3018.2	5851.8	42754.	3238.5
#3	3019.1	5849.6	42690.	3214.4

Sample Name: FA31887-11 Acquired: 3/8/2016 10:37:25 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0109	31.49	.0142	.1590	.0018	92.96	.0100	.0235	.2420
Stddev	.0029	.43	.0028	.0016	.0007	.51	.0002	.0011	.0021
%RSD	26.06	1.355	19.80	1.035	41.29	.5475	1.787	4.803	.8848
#1	.0088	31.62	.0110	.1598	.0021	92.94	.0099	.0245	.2442
#2	.0142	31.84	.0164	.1571	.0022	93.48	.0102	.0223	.2417
#3	.0098	31.02	.0152	.1600	.0009	92.47	.0098	.0237	.2399
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	F 55.31	42.40	1.650	3.042	.7806	.0092	.8570	4.934	2.408
Stddev	.08	.35	.362	.155	.0022	.0015	.0813	.0023	.009
%RSD	.1375	.8200	21.94	5.096	.2879	16.32	9.482	.4645	.3845
#1	55.33	42.66	1.233	3.130	.7785	.0109	.8630	.4915	2.407
#2	55.22	42.54	1.834	3.132	.7802	.0087	.7729	.4927	2.399
#3	55.37	42.01	1.883	2.863	.7830	.0080	.9350	.4959	2.417
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0075	.0096	1.500	.3813	.1110	.6206	-0.0108	.0630	F 67.35
Stddev	.0049	.0151	.002	.0018	.0017	.0004	.0032	.0011	.11
%RSD	65.64	156.8	.1269	.4768	1.539	0.060	29.16	1.789	.1643
#1	-0.019	-0.066	1.501	.3831	.1125	.6208	-0.094	.0632	67.38
#2	-0.0109	.0232	1.500	.3812	.1114	.6201	-0.144	.0641	67.22
#3	-0.0097	.0123	1.498	.3795	.1091	.6208	-0.086	.0618	67.44
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2937.5	5888.4	43197.	3316.0					
Stddev	6.2	7.5	114.	33.1					
%RSD	.21180	.12728	.26468	.99953					
#1	2930.9	5879.8	43074.	3316.7					
#2	2938.5	5892.3	43300.	3282.5					
#3	2943.2	5893.1	43215.	3348.8					

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Sample Name: FA31909-1 Acquired: 3/8/2016 10:41:45 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0016	.1456	-0.0024	.0155	-0.0003	39.42	-0.0002	.0003	.0068
Stddev	.0011	.0121	.0033	.0011	.0002	.18	.0002	.0003	.0008
%RSD	67.62	8.310	139.4	7.360	68.74	.4670	76.18	101.1	12.36
#1	-0.0011	.1568	.0009	.0156	-0.0001	39.50	-0.0003	.0006	.0075
#2	-0.0008	.1328	-0.0058	.0143	-0.0003	39.54	-0.0004	.0003	.0070
#3	-0.0028	.1470	-0.0022	.0166	-0.0005	39.20	.0000	.0000	.0059
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0339	1.354	38.21	6.746	.0463	.0001	350.1	.0065	.0040
Stddev	.0011	.026	.18	.051	.0001	.0002	1.2	.0002	.0001
%RSD	3.309	1.913	.4698	.7582	.3072	156.4	.3510	3.393	2.540
#1	.0326	1.370	38.09	6.729	.0464	.0003	349.7	.0065	.0042
#2	.0347	1.368	38.41	6.804	.0463	.0002	351.5	.0068	.0039
#3	.0343	1.324	38.11	6.706	.0462	-0.0001	349.2	.0063	.0040
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0031	.0027	6.117	.0028	.1693	.0044	-0.0098	-0.0003	.1542
Stddev	.0044	.0057	.023	.0004	.0008	.0003	.0028	.0007	.0005
%RSD	142.0	207.8	.3757	14.22	.4731	7.819	28.78	257.8	.2932
#1	-0.0072	.0007	6.091	.0032	.1693	.0048	-0.0068	-0.0011	.1545
#2	-0.0037	-0.0017	6.125	.0026	.1701	.0043	-0.0103	.0004	.1545
#3	.0016	.0091	6.135	.0025	.1685	.0042	-0.0124	-0.0002	.1537
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2735.0	5627.2	40975.	3326.1					
Stddev	6.0	16.7	117.	7.4					
%RSD	.21895	.29764	.28638	.22195					
#1	2733.8	5646.5	40841.	3334.5					
#2	2729.8	5616.7	41060.	3320.7					
#3	2741.6	5618.4	41024.	3323.1					

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Sample Name: FA31909-2 Acquired: 3/8/2016 10:46:10 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0037	.1240	.0080	.0001	-0.0008	44.98	-0.0002	.0001	-0.0016
Stddev	.0036	.0129	.0066	.0049	.0009	.11	.0001	.0002	.0027
%RSD	97.22	10.43	82.22	457.9	115.8	.2464	70.05	268.4	163.7
#1	.0069	.1197	.0033	.0036	-0.0004	44.95	-0.0001	.0003	-0.0040
#2	.0045	.1138	.0052	-0.0055	-0.0019	45.11	-0.0002	-0.0001	.0013
#3	-0.0002	.1386	.0155	.0023	-0.0001	44.89	-0.0004	.0001	-0.0022
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0012	.0500	61.43	6.280	-0.0006	-0.0049	662.3	.0004	.0029
Stddev	.0007	.0271	.49	.084	.0002	.0007	.9	.0004	.0022
%RSD	59.89	54.16	.7964	1.331	37.79	15.12	.1298	97.34	76.23
#1	.0007	.0377	61.20	6.214	-0.0007	-0.0056	663.1	.0008	.0019
#2	.0020	.0312	61.99	6.252	-0.0003	-0.0049	661.4	.0003	.0014
#3	.0009	.0810	61.09	6.374	-0.0008	-0.0041	662.3	.0001	.0054
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0011	-0.0027	6.502	-0.0030	.1497	.0004	-0.0062	-0.0025	.1673
Stddev	.0071	.0099	.008	.0015	.0004	.0007	.0113	.0020	.0014
%RSD	631.8	371.2	.1182	51.82	.2835	171.1	181.5	80.48	.8376
#1	.0044	.0073	6.510	-0.0013	.1500	.0009	-0.0158	-0.0008	.1684
#2	.0014	-0.0126	6.494	-0.0032	.1492	-0.0004	-0.0092	-0.0020	.1679
#3	-0.0092	-0.0028	6.502	-0.0044	.1500	.0008	.0063	-0.0047	.1657
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2745.6	5663.5	40722.	3223.8					
Stddev	12.5	7.8	104.	2.5					
%RSD	.45688	.13789	.25594	.07687					
#1	2754.6	5668.3	40791.	3224.6					
#2	2751.0	5667.7	40602.	3225.7					
#3	2731.3	5654.5	40773.	3221.0					

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Sample Name: FA31948-1 Acquired: 3/8/2016 10:50:37 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0012	.3644	-0.0057	.0230	-0.0002	44.77	.0000	.0002	.0045
Stddev	.0022	.0419	.0032	.0020	.0003	.08	.0003	.0001	.0012
%RSD	184.8	11.49	55.16	8.692	150.5	.1826	532.1	49.45	26.48
#1	-0.0021	.3374	-0.0090	.0252	-0.0001	44.80	.0001	.0002	.0033
#2	.0013	.3432	-0.0056	.0213	.0000	44.83	-0.0002	.0001	.0057
#3	-0.0028	.4126	-0.0026	.0224	-0.0006	44.68	.0003	.0003	.0044
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0362	1.565	91.27	9.967	.0299	-0.0006	301.9	.0042	.0045
Stddev	.0011	.010	.28	.135	.0003	.0005	.1	.0011	.0015
%RSD	2.939	.6434	.3055	1.350	.9517	95.45	.0423	26.74	33.26
#1	.0352	1.576	91.14	9.827	.0297	-0.0012	301.9	.0054	.0048
#2	.0373	1.561	91.59	9.979	.0303	-0.0001	302.0	.0040	.0029
#3	.0361	1.557	91.08	10.10	.0299	-0.0004	301.8	.0032	.0058
Elem	Sb2068	Se1960	Si						

Sample Name: FA31948-2 Acquired: 3/8/2016 10:55:03 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stdev, %RSD, and Int. Std. values.

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Sample Name: FA31719-1 Acquired: 3/8/2016 10:59:31 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stdev, %RSD, and Int. Std. values.

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Sample Name: MP30074-D1 Acquired: 3/8/2016 11:03:52 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stdev, %RSD, and Int. Std. values.

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Sample Name: MP30074-S1 Acquired: 3/8/2016 11:08:12 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stdev, %RSD, and Int. Std. values.

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Sample Name: MP30074-S2 Acquired: 3/8/2016 11:12:30 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0534	80.01	2.226	2.591	.0588	43.21	.0610	.5850	.3359
Stddev	.0005	.41	.009	.019	.0012	.18	.0002	.0014	.0024
%RSD	1.018	.5150	.4149	.7187	1.974	.4191	.2737	.2361	.7222
#1	.0528	79.64	2.216	2.572	.0589	43.02	.0612	.5837	.3387
#2	.0534	80.46	2.235	2.591	.0599	43.38	.0609	.5850	.3347
#3	.0539	79.94	2.226	2.609	.0576	43.23	.0610	.5864	.3343
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3987	111.7	36.23	37.03	1.339	5530	31.49	6653	17.58
Stddev	.0028	.4	.48	.37	.004	.0039	.12	.0019	.02
%RSD	.7016	.3697	1.315	1.012	.2874	.7046	.3713	.2820	.1095
#1	.4014	111.2	35.71	36.80	1.342	5486	31.36	6638	17.56
#2	.3990	112.0	36.65	37.47	1.340	5559	31.54	6647	17.58
#3	.3958	111.8	36.34	36.83	1.334	5545	31.58	6674	17.60
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.4035	2.180	3.672	6.145	.7281	2.381	2.195	.8314	.9210
Stddev	.0068	.020	.020	.0053	.0044	.009	.010	.0066	.0005
%RSD	1.684	.8939	.5439	.8611	.6088	.3978	4.707	.7986	.0573
#1	.4059	2.185	3.649	.6125	.7243	2.390	2.184	.8340	.9212
#2	.3958	2.158	3.687	.6104	.7330	2.381	2.195	.8364	.9204
#3	.4087	2.196	3.680	.6204	.7272	2.371	2.205	.8239	.9214
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2908.3	5863.4	43180.	3283.5					
Stddev	4.6	5.4	165.	13.7					
%RSD	.15771	.09239	.38264	.41722					
#1	2903.1	5868.9	42991.	3274.8					
#2	2911.7	5863.1	43299.	3276.3					
#3	2910.1	5858.1	43250.	3299.3					

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Sample Name: MP30074-PS1 Acquired: 3/8/2016 11:16:48 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0560	52.50	2.308	.6701	.0574	20.21	.0631	.0696	.1774
Stddev	.0023	.30	.0102	.0057	.0004	.13	.0002	.0010	.0022
%RSD	4.025	.5673	4.411	.8536	.7314	.6371	.3303	1.462	1.243
#1	.0585	52.19	2.271	.6660	.0575	20.16	.0630	.0695	.1790
#2	.0541	52.79	2.231	.6766	.0577	20.36	.0630	.0707	.1749
#3	.0556	52.52	2.242	.6676	.0569	20.12	.0634	.0687	.1784
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2409	87.01	18.91	13.47	.8539	.1192	13.33	.2072	19.44
Stddev	.0011	.44	.44	.41	.0002	.0001	.09	.0012	.01
%RSD	.4753	.5103	2.352	3.023	.0210	.0916	.6557	.5772	.0637
#1	.2397	86.60	18.93	13.12	.8538	.1193	13.36	.2062	19.45
#2	.2413	87.48	19.34	13.92	.8539	.1191	13.23	.2085	19.44
#3	.2419	86.95	18.45	13.38	.8541	.1191	13.40	.2070	19.43
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.2175	.1209	3.253	.0906	.2229	2.008	.1037	.3763	.6719
Stddev	.0080	.0046	.005	.0008	.0022	.005	.0104	.0030	.0015
%RSD	3.680	3.773	.1506	.8743	.9950	.2635	10.02	.7975	.2199
#1	.2263	.1158	3.255	.0914	.2203	2.013	.0976	.3796	.6732
#2	.2155	.1227	3.248	.0899	.2245	2.002	.1157	.3737	.6723
#3	.2107	.1244	3.258	.0904	.2238	2.008	.0977	.3756	.6703
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2935.6	5832.8	43676.	3336.4					
Stddev	3.3	10.5	64.	38.3					
%RSD	.11286	.18060	.14668	1.1489					
#1	2931.9	5822.1	43608.	3348.7					
#2	2938.1	5833.0	43736.	3293.5					
#3	2936.9	5843.2	43684.	3367.1					

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Sample Name: CCV Acquired: 3/8/2016 11:21:08 Type: QC
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.482	39.95	1.998	2.018	2.010	40.25	2.032	2.024	2.033
Stddev	.0011	.08	.004	.005	.003	.09	.006	.005	.001
%RSD	.4541	.1895	.2014	.2503	.1450	.2258	.2942	.2294	.0709
#1	.2493	40.00	2.001	2.021	2.010	40.19	2.037	2.028	2.034
#2	.2483	40.00	1.993	2.021	2.008	40.20	2.033	2.023	2.032
#3	.2470	39.87	1.999	2.012	2.013	40.35	2.025	2.019	2.033

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.999	39.48	40.38	39.97	2.073	2.032	40.47	2.029	1.998
Stddev	.002	.09	.03	.22	.024	.003	.05	.003	.004
%RSD	.0831	.2379	.0754	.5490	1.134	.1443	.1302	.1516	.1952
#1	1.997	39.43	40.41	39.88	2.088	2.035	40.52	2.030	2.002
#2	2.001	39.43	40.35	39.81	2.046	2.033	40.42	2.032	1.997
#3	1.999	39.59	40.38	40.22	2.086	2.029	40.47	2.026	1.995

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.996	2.011	1.983	2.066	2.008	2.025	2.016	2.039	2.030
Stddev	.002	.003	.000	.004	.004	.002	.001	.003	.006
%RSD	.0806	.1294	.0201	.1795	.1892	.0939	.0661	.1365	.3167
#1	1.994	2.012	1.984	2.069	2.012	2.023	2.015	2.041	2.036
#2	1.997	2.013	1.983	2.068	2.007	2.026	2.017	2.036	2.031
#3	1.996	2.008	1.983	2.062	2.004	2.027	2.015	2.040	2.023

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

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Sample Name: CCV Acquired: 3/8/2016 11:21:08 Type: QC
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2518.6	5505.6	41055.	3259.4
Stddev	6.0	9.6	108.	13.0
%RSD	.23993	.17518	.26203	.39758
#1	2520.2	5500.2	41089.	3260.0
#2	2523.6	5516.8	41142.	3272.0
#3	2511.9	5500.0	40935.	3246.1

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Sample Name: CCB Acquired: 3/8/2016 11:25:22 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	.0041	.0001	.0000	.0001	.0034	.0001	.0001	-0.001
Stddev	.0007	.0008	.0002	.0005	.0000	.0015	.0000	.0000	.0001
%RSD	171.5	20.55	116.7	1809.	27.54	44.14	51.91	37.04	75.65
#1	.0002	.0049	.0001	.0000	.0002	.0017	.0001	.0001	.0000
#2	-.0012	.0041	.0003	-.0005	.0001	.0045	.0000	.0001	-.0002
#3	-.0002	.0032	.0000	.0005	.0001	.0041	.0001	.0001	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0091	.0648	-0.210	.0001	.0008	.0296	.0000	.0004
Stddev	.0000	.0039	.0182	.0345	.0001	.0003	.0052	.0001	.0002
%RSD	28.60	43.09	28.11	164.2	78.80	40.70	17.53	605.8	57.09
#1	.0001	.0133	.0463	.0169	.0001	.0011	.0346	-.0001	.0002
#2	.0002	.0055	.0828	-.0505	.0000	.0009	.0299	.0001	.0006
#3	.0001	.0086	.0653	-.0294	.0001	.0005	.0243	.0001	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0005	-0.0002	.0000	.0001	.0007	-0.0012	-0.0001	.0000
Stddev	.0008	.0003	.0003	.000	.0001	.0002	.0003	.0003	.0000
%RSD	1157.	58.99	174.2	1563.	108.3	22.09	28.66	199.1	1017.
#1	.0000	-.0002	.0002	.0001	.0000	.0008	-.0015	-.0002	.0000
#2	.0009	-.0004	-.0003	.0000	.0002	.0007	-.0014	-.0004	.0000
#3	-.0006	-.0008	-.0004	-.0002	.0001	.0005	-.0008	.0002	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/8/2016 11:25:22 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3002.6	5832.4	43355.	3341.7
Stddev	2.2	5.0	58.	10.1
%RSD	.07413	.08618	.13448	.30305
#1	3001.4	5838.1	43328.	3351.8
#2	3001.2	5830.5	43421.	3331.6
#3	3005.2	5828.7	43314.	3341.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0091	.0648	-0.210	.0001	.0008	.0296	.0000	.0004
Stddev	.0000	.0039	.0182	.0345	.0001	.0003	.0052	.0001	.0002
%RSD	28.60	43.09	28.11	164.2	78.80	40.70	17.53	605.8	57.09
#1	.0001	.0133	.0463	.0169	.0001	.0011	.0346	-.0001	.0002
#2	.0002	.0055	.0828	-.0505	.0000	.0009	.0299	.0001	.0006
#3	.0001	.0086	.0653	-.0294	.0001	.0005	.0243	.0001	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0005	-0.0002	.0000	.0001	.0007	-0.0012	-0.0001	.0000
Stddev	.0008	.0003	.0003	.000	.0001	.0002	.0003	.0003	.0000
%RSD	1157.	58.99	174.2	1563.	108.3	22.09	28.66	199.1	1017.
#1	.0000	-.0002	.0002	.0001	.0000	.0008	-.0015	-.0002	.0000
#2	.0009	-.0004	-.0003	.0000	.0002	.0007	-.0014	-.0004	.0000
#3	-.0006	-.0008	-.0004	-.0002	.0001	.0005	-.0008	.0002	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30074-SD1 Acquired: 3/8/2016 11:29:50 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 50.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.284	47.50	.1145	.3388	-0.0031	12.98	.0039	.0065	.0938
Stddev	.0114	.55	.0157	.0095	.0035	.04	.0000	.0026	.0097
%RSD	40.07	1.157	13.68	2.801	113.6	.3162	.3147	40.15	10.37
#1	-.0318	48.02	.1010	.3375	-.0025	12.94	.0039	.0038	.1035
#2	-.0157	47.55	.1316	.3488	.0001	12.98	.0039	.0089	.0840
#3	-.0377	46.92	.1108	.3299	-.0068	13.02	.0039	.0067	.0938

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1081	75.94	7.286	6.194	.7271	.0028	2.298	.0751	17.45
Stddev	.0065	.19	.923	.995	.0073	.0046	.214	.0031	.07
%RSD	6.020	.2478	12.66	16.06	1.003	163.9	9.322	4.091	.3993
#1	.1068	75.77	6.273	7.326	.7221	.0030	2.325	.0786	17.38
#2	.1151	76.14	7.507	5.461	.7237	.0073	2.071	.0730	17.51
#3	.1023	75.90	8.078	5.794	.7355	-.0019	2.497	.0736	17.46

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1036	.0425	12.68	.0210	.1460	2.074	-0.233	.2851	.6003
Stddev	.0385	.0563	.25	.0055	.0026	.050	.0118	.0117	.0037
%RSD	37.12	132.6	1.964	26.11	1.807	2.405	50.85	4.090	.6118
#1	.1225	.0403	12.54	.0168	.1449	2.131	-.0132	.2767	.6024
#2	.1289	.0999	12.96	.0191	.1441	2.045	-.0204	.2802	.6024
#3	.0593	-.0127	12.52	.0272	.1490	2.044	-.0363	.2984	.5960

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	3005.5	5888.4	43662.	3313.2
Stddev	8.8	17.5	123.	28.5
%RSD	.29309	.29646	.28242	.85918
#1	3014.4	5907.4	43716.	3340.1
#2	2996.8	5884.6	43748.	3283.4
#3	3005.4	5873.1	43521.	3316.0

Sample Name: FA31719-2 Acquired: 3/8/2016 11:34:15 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 20.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0046	38.82	.6464	.3204	.0003	10.70	.0027	.0084	.0883
Stddev	.0101	.34	.0171	.0019	.0008	.09	.0002	.0002	.0034
%RSD	222.8	.8846	2.645	.5805	323.0	8.510	8.284	2.225	3.816
#1	.0093	38.43	.6360	.3215	.0004	10.80	.0030	.0082	.0877
#2	.0115	39.08	.6370	.3182	-.0006	10.68	.0026	.0086	.0852
#3	-.0071	38.94	.6661	.3214	.0010	10.63	.0026	.0085	.0919

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1078	63.60	6.541	5.901	.6179	.0035	1.459	.0699	31.86
Stddev	.0022	.10	.545	.508	.0029	.0047	.081	.0025	.02
%RSD	2.054	.1526	8.336	8.601	.4737	132.7	5.530	3.522	.0562
#1	.1096	63.71	6.693	5.954	.6179	.0086	1.539	.0711	31.86
#2	.1053	63.52	6.993	5.369	.6209	.0026	1.458	.0715	31.88
#3	.1086	63.57	5.935	6.380	.6150	-.0006	1.378	.0670	31.85

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.593	.0398	3.103	.0276	.1322	1.534	-0.0155	.2580	.3629
Stddev	.014	.0423	.022	.0017	.0009	.006	.0047	.0064	.0010
%RSD	.8758	106.4	.7262	6.174	.6667	.4179	30.59	2.	

Sample Name: FA31719-3 Acquired: 3/8/2016 11:38:39 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	50.85	0.948	4.815	0.004	18.68	0.060	0.021	1.221
Stddev	.0007	.28	.0014	.0011	.0009	.12	.0004	.0008	.0035
%RSD	267.5	.5589	1.514	.2339	207.1	.6185	7.429	6.251	2.897
#1	.0001	50.52	.0937	.4808	.0010	18.55	.0062	.0117	1.258
#2	.0002	51.03	.0944	.4828	.0009	18.76	.0063	.0130	1.217
#3	-.0010	50.99	.0964	.4810	-.0006	18.74	.0055	.0116	1.188
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.125	80.84	10.60	9.523	9.708	0.109	3.515	1.111	19.02
Stddev	.0008	.27	.09	.091	.0015	.0002	.092	.0004	.01
%RSD	.5440	.3368	.8083	.9573	.1542	2.214	2.614	.3814	.0704
#1	.1421	80.54	10.55	9.545	.9717	.0111	3.409	1.110	19.02
#2	.1420	81.08	10.56	9.423	.9716	.0106	3.564	1.107	19.00
#3	.1434	80.89	10.70	9.601	.9691	.0110	3.572	1.115	19.03
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.670	0.205	3.287	0.372	2.205	2.037	-0.125	3.404	4.600
Stddev	.0023	.0142	.005	.0050	.0020	.002	.0028	.0003	.0026
%RSD	3.412	69.07	.1606	13.36	.9007	.0820	22.00	.0930	.5644
#1	.0653	.0338	3.286	.0354	.2194	2.036	-.0155	.3044	.4586
#2	.0661	.0056	3.282	.0334	.2192	2.037	-.0101	.3047	.4629
#3	.0696	.0222	3.292	.0429	.2227	2.039	-.0119	.3042	.4583
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2963.1	5824.0	4366.4	3325.8					
Stddev	4.5	5.4	28.	10.3					
%RSD	.15244	.09354	.06400	.31108					
#1	2959.4	5826.8	4367.5	3335.4					
#2	2968.2	5817.7	4363.3	3327.0					
#3	2961.7	5827.4	4368.6	3314.9					

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Sample Name: FA31709-1 Acquired: 3/8/2016 11:42:59 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 4.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.097	1142.	2017.	3.629	0.139	648.1	1.709	4.162	1.518
Stddev	.0015	5.	.0032	.018	.0002	4.9	.0009	.0025	.004
%RSD	15.83	.4535	1.592	.4843	1.405	.7525	.5255	.6003	.2531
#1	.0100	1148.	.2032	3.643	.0141	653.6	.1702	4.150	1.514
#2	.0110	1138.	.2039	3.636	.0138	644.4	.1705	4.145	1.521
#3	.0080	1139.	.1980	3.610	.0138	646.3	.1719	4.190	1.519
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.937	876.6	12.64	29.22	F 53.26	-0.057	5.398	6.174	4.136
Stddev	.003	3.5	.10	.21	.33	.0005	.026	.0017	.0082
%RSD	.1629	.3976	.8207	.7158	.6269	9.233	.4868	.2816	1.982
#1	1.939	880.2	12.58	29.42	53.64	-.0062	5.425	6.170	4.068
#2	1.933	873.2	12.76	29.00	53.13	-.0052	5.397	6.158	4.112
#3	1.939	876.3	12.58	29.23	53.02	-.0055	5.372	6.193	4.227
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.065	0.035	7.072	0.594	F 66.64	F 32.15	0.153	9.699	5.044
Stddev	.0120	.0065	.037	.0021	.38	.24	.0089	.0055	.032
%RSD	184.7	186.0	.5230	3.620	.5764	.7330	58.40	57.12	.6373
#1	.0113	.0043	7.054	.0619	66.20	32.21	.0212	9740	5.023
#2	-.0072	-.0095	7.047	.0582	66.91	32.35	.0197	9720	5.028
#3	.0153	-.0034	7.115	.0581	66.81	31.89	.0050	9636	5.081
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2484.1	8289.8	60816.	4901.8					
Stddev	8.4	23.9	92.	38.8					
%RSD	.34001	.28828	.15084	.79241					
#1	2486.8	8300.3	60711.	4857.0					
#2	2490.8	8306.6	60878.	4922.4					
#3	2474.6	8262.4	60860.	4926.0					

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7.1
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Sample Name: MP30074-D2 Acquired: 3/8/2016 11:47:47 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.034	46.69	1.068	3.604	0.005	13.38	0.039	0.103	1.083
Stddev	.0007	.22	.0016	.0077	.0012	.05	.0001	.0013	.0018
%RSD	20.95	.4711	1.453	2.150	229.1	.3905	2.816	13.02	1.658
#1	.0038	46.65	.1085	.3619	.0016	13.41	.0038	.0093	1.072
#2	.0038	46.92	.1055	.3672	-.0007	13.40	.0038	.0118	1.104
#3	.0026	46.49	.1064	.3520	.0007	13.32	.0040	.0098	1.074
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.119	76.77	7.169	7.172	7.678	0.061	1.476	0.792	17.24
Stddev	.0004	.62	.061	.275	.0028	.0005	.026	.0004	.02
%RSD	.3301	.8012	.8524	3.830	.3633	7.972	1.754	.4448	1.259
#1	.1115	76.88	7.116	6.862	.7651	.0058	1.463	.0793	17.21
#2	.1123	77.33	7.156	7.387	.7706	.0067	1.458	.0788	17.25
#3	.1120	76.11	7.236	7.267	.7678	.0059	1.505	.0795	17.25
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.769	0.257	3.254	0.334	1.708	1.941	-0.090	2.872	3.807
Stddev	.0041	.0119	.007	.0020	.0016	.003	.0083	.0031	.0004
%RSD	5.273	46.31	.2064	5.979	.9438	.1346	92.89	1.069	.1088
#1	.0784	.0391	3.253	.0313	.1713	1.940	-.0135	2.870	3.806
#2	.0723	.0218	3.262	.0353	.1690	1.944	-.0141	2.903	3.812
#3	.0800	.0163	3.249	.0335	.1720	1.939	.0006	2.842	3.803
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2943.1	5799.6	43071.	3242.9					
Stddev	3.3	6.6	261.	29.9					
%RSD	.11235	.11398	.60676	.92353					
#1	2946.1	5797.3	43323.	3219.2					
#2	2939.6	5807.1	43088.	3232.8					
#3	2943.7	5794.5	42801.	3276.5					

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Sample Name: MP30076-MB1 Acquired: 3/8/2016 11:52:08 Type: QC
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	0.080	-0.011	0.002	-0.001	0.124	0.000	-0.001	-0.003
Stddev	.0004	.0088	.0005	.0003	.0000	.0020	.000	.0000	.0001
%RSD	92.09	109.8	46.48	184.2	14.21	15.87	25.08	42.29	17.01
#1	-.0004	.0068	-.0005	.0004	-.0001	.0137	.0000	-.0001	-.0004
#2	-.0001	.0172	-.0015	-.0002	-.0001	.0134	-.0001	-.0001	-.0003
#3	-.0008	-.0002	-.0012	.0003	-.0001	.0102	.0000	-.0001	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.049	0.206	-0.186	0.002	-0.005	-0.030	0.000	0.011
Stddev	.0002	.0039							

Sample Name: MP30076-MB1 Acquired: 3/8/2016 11:52:08 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2997.8	5820.2	4346.9	3224.3
Stddev	1.8	4.6	122.	9.9
%RSD	.05849	.07827	.28179	.30710
#1	2996.5	5825.1	4346.2	3227.9
#2	2999.8	5816.1	4335.1	3213.0
#3	2997.1	5819.5	4359.5	3231.8

Sample Name: MP30076-B1 Acquired: 3/8/2016 11:56:38 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0500	29.91	2.092	2.168	.0554	27.69	.0546	.5384	.2189
Stddev	.0007	.15	.005	.011	.0001	.08	.0001	.0018	.0006
%RSD	1.315	.5080	.2603	.4890	.1810	.2783	.2532	.3359	.2591
#1	.0495	29.82	2.086	2.162	.0553	27.64	.0546	.5383	.2183
#2	.0507	29.81	2.093	2.162	.0553	27.66	.0544	.5367	.2191
#3	.0496	30.08	2.097	2.180	.0555	27.78	.0547	.5403	.2193

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.2709	28.56	27.69	27.87	.5615	.5432	27.96	.5456	.5177
Stddev	.0008	.12	.21	.04	.0021	.0002	.16	.0005	.0009
%RSD	.2928	.4216	.7563	.1373	.3815	.0431	.5585	.0920	.1745
#1	.2701	28.44	27.47	27.83	.5591	.5433	27.84	.5454	.5174
#2	.2717	28.56	27.74	27.87	.5633	.5429	27.90	.5453	.5187
#3	.2708	28.68	27.88	27.91	.5619	.5434	28.14	.5462	.5169

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.5274	2.129	.0278	.5629	.5419	.5562	2.089	.5061	.5451
Stddev	.0009	.009	.0003	.0012	.0029	.0007	.002	.0014	.0012
%RSD	.1667	.4209	1.113	.2142	.5386	.1280	.1141	.2833	.2257
#1	.5264	2.119	.0282	.5643	.5398	.5556	2.086	.5044	.5446
#2	.5281	2.132	.0277	.5619	.5406	.5561	2.090	.5071	.5442
#3	.5278	2.136	.0276	.5625	.5452	.5570	2.090	.5067	.5465

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

7.1
7

Sample Name: MP30076-B1 Acquired: 3/8/2016 11:56:38 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2640.6	5564.9	4125.9	3208.8
Stddev	2.6	8.6	116.	19.6
%RSD	.09810	.15437	.28026	.61212
#1	2643.3	5565.0	4139.2	3231.3
#2	2640.2	5573.4	4120.1	3195.0
#3	2638.2	5556.2	4118.4	3200.1

Sample Name: FA31919-1 Acquired: 3/8/2016 12:00:51 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-.0004	2.768	.0039	.0201	.0000	22.69	.0003	.0004	.0069
Stddev	.0001	.030	.0001	.0004	.0001	.02	.0001	.0002	.0003
%RSD	26.08	1.068	2.051	2.067	167.1	.0755	15.73	38.57	3.658
#1	-.0005	2.782	.0038	.0202	.0001	22.68	.0003	.0006	.0069
#2	-.0003	2.734	.0039	.0205	.0000	22.68	.0003	.0004	.0066
#3	-.0004	2.788	.0039	.0197	.0001	22.71	.0004	.0003	.0071

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.0021	2.905	3.957	2.556	.0040	.0024	15.88	.0019	.0004
Stddev	.0000	.010	.048	.013	.0000	.0000	.04	.0001	.0005
%RSD	1.092	.3532	1.222	.4877	1.097	.2816	.2565	4.001	128.2
#1	.0021	2.917	4.013	2.543	.0041	.0024	15.90	.0019	.0003
#2	.0021	2.898	3.925	2.568	.0040	.0024	15.92	.0018	-.0001
#3	.0021	2.899	3.934	2.558	.0040	.0024	15.84	.0019	.0009

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	-.0007	.0012	4.612	-.0001	.0967	.0169	-.0007	.0098	.0102
Stddev	.0006	.0008	.002	.0004	.0003	.0001	.0012	.0001	.0001
%RSD	78.79	63.90	.0322	321.3	.2693	.6076	170.4	1.114	.6827
#1	-.0012	.0005	4.610	.0003	.0966	.0168	-.0016	.0097	.0102
#2	-.0009	.0011	4.613	-.0005	.0970	.0170	.0007	.0097	.0102
#3	-.0001	.0021	4.611	-.0002	.0965	.0168	-.0013	.0099	.0103

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2823.8	5774.5	4314.0	3282.6
Stddev	5.5	7.8	165.	9.0
%RSD	.19326	.13433	.38224	.27275
#1	2817.6	5770.6	4319.8	3289.5
#2	2825.6	5783.4	4326.9	3285.9
#3	2828.0	5769.5	4295.4	3272.5

Sample Name: MP30076-D1 Acquired: 3/8/2016 12:05:17 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	2.781	.0033	.0204	.0000	22.41	.0003	.0003	.0070
Stddev	.0004	.029	.0004	.0002	.000	.08	.0000	.0001	.0001
%RSD	85.85	1.026	11.64	1.028	1777.	.3703	9.032	20.71	1.647
#1	-.0009	2.752	.0036	.0203	.0000	22.31	.0003	.0003	.0070
#2	-.0007	2.809	.0029	.0206	.0000	22.45	.0003	.0003	.0070
#3	.0000	2.782	.0035	.0202	-.0001	22.46	.0003	.0004	.0068
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0022	3.003	3.950	2.531	.0040	.0022	15.70	.0019	.0009
Stddev	.0001	.012	.027	.014	.0001	.0001	.06	.0000	.0004
%RSD	4.038	.3991	.6855	.5585	1.729	6.829	.4041	2.293	38.31
#1	.0023	2.995	3.920	2.539	.0040	.0023	15.64	.0020	.0009
#2	.0022	3.017	3.958	2.540	.0039	.0022	15.77	.0019	.0006
#3	.0022	2.997	3.972	2.515	.0040	.0020	15.68	.0019	.0013
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0008	.0009	4.569	.0001	.0953	.0170	-.0014	.0096	.0128
Stddev	.0005	.0012	.005	.0002	.0004	.0001	.011	.0002	.0000
%RSD	63.99	137.3	.1148	195.6	.4228	.3852	.8116	2.326	.3661
#1	-.0011	-.0004	4.563	.0001	.0949	.0169	-.0001	.0094	.0128
#2	-.0002	.0010	4.569	.0003	.0957	.0171	-.0023	.0096	.0127
#3	-.0011	.0020	4.574	-.0001	.0953	.0170	-.0017	.0099	.0128
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2829.5	5756.1	42867.	3247.3					
Stddev	8.9	12.8	179.	16.6					
%RSD	.31325	.22309	.41729	.51120					
#1	2838.9	5769.8	43000.	3240.6					
#2	2828.3	5754.4	42937.	3235.0					
#3	2821.3	5744.3	42664.	3266.2					

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Sample Name: MP30076-SD1 Acquired: 3/8/2016 12:09:41 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0027	2.685	.0049	.0202	-.0002	22.25	.0003	.0003	.0066
Stddev	.0006	.105	.0016	.0023	.0004	.01	.0001	.0004	.0010
%RSD	21.74	3.904	32.08	11.57	246.4	.0601	36.99	120.1	15.92
#1	-.0034	2.598	.0054	.0178	-.0005	22.24	.0003	.0004	.0077
#2	-.0025	2.801	.0032	.0225	-.0003	22.25	.0002	-.0001	.0065
#3	-.0023	2.656	.0062	.0201	.0003	22.27	.0003	.0006	.0056
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0027	2.824	4.127	2.486	.0039	-.0001	15.59	.0017	.0019
Stddev	.0010	.030	.194	.058	.0001	.0005	.02	.0007	.0032
%RSD	36.55	1.071	4.692	2.338	1.700	440.0	.1058	41.24	172.9
#1	.0019	2.826	3.934	2.433	.0038	-.0006	15.57	.0026	.0024
#2	.0038	2.793	4.322	2.477	.0038	-.0002	15.59	.0014	-.0016
#3	.0025	2.853	4.126	2.548	.0039	.0004	15.60	.0013	.0047
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0010	.0040	4.485	-.0006	.0932	.0158	-.0045	.0081	.0317
Stddev	.0034	.0104	.010	.0012	.0005	.0003	.0032	.0006	.0001
%RSD	358.9	262.6	.2244	184.8	.5756	1.673	71.44	7.981	.1770
#1	.0011	.0158	4.474	.0007	.0927	.0161	-.0015	.0084	.0317
#2	-.0025	.0003	4.487	-.0014	.0933	.0157	-.0080	.0073	.0318
#3	.0043	-.0041	4.494	-.0012	.0937	.0156	-.0041	.0084	.0317
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2959.7	5794.1	43562.	3226.9					
Stddev	5.2	10.4	225.	15.7					
%RSD	.17556	.17867	.51611	.48515					
#1	2961.1	5789.6	43818.	3235.3					
#2	2964.1	5786.7	43397.	3236.5					
#3	2954.0	5805.9	43470.	3208.8					

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Sample Name: CCV Acquired: 3/8/2016 12:14:06 Type: QC
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.480	40.41	2.004	2.035	2.007	39.89	2.046	2.050	2.031
Stddev	.0002	.13	.004	.011	.010	.19	.003	.002	.004
%RSD	.0702	.3338	.2098	.5219	.5143	4.858	.1213	.1163	.2135
#1	.2478	40.57	2.009	2.044	2.017	40.05	2.048	2.053	2.026
#2	.2481	40.31	2.002	2.023	1.997	39.67	2.047	2.050	2.034
#3	.2481	40.36	2.001	2.037	2.008	39.96	2.043	2.048	2.032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.978	39.66	40.43	39.74	2.052	2.064	40.40	2.031	1.977
Stddev	.004	.16	.11	.22	.002	.002	.15	.002	.003
%RSD	.1879	.3976	.2720	.5569	.1062	.0738	.3715	.0747	.1581
#1	1.978	39.83	40.55	39.99	2.050	2.064	40.52	2.032	1.980
#2	1.981	39.52	40.33	39.60	2.054	2.065	40.23	2.031	1.978
#3	1.974	39.61	40.41	39.63	2.053	2.062	40.44	2.029	1.974
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.006	2.022	1.992	2.053	1.996	2.019	1.992	2.017	2.028
Stddev	.002	.004	.002	.004	.008	.003	.003	.003	.004
%RSD	.0747	.2132	.1119	.2105	.3845	.1369	.1348	.1554	.1887
#1	2.006	2.019	1.993	2.052	1.998	2.018	1.995	2.015	2.029
#2	2.008	2.027	1.989	2.057	1.987	2.022	1.991	2.021	2.032
#3	2.005	2.020	1.993	2.048	2.002	2.017	1.990	2.017	2.024
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 3/8/2016 12:14:06 Type: QC
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2527.1	5453.8	41069.	3208.0					
Stddev	1.4	7.2	176.	16.5					
%RSD	.05677	.13246	.42815	.51566					
#1	2525.5	5445.6	40874.	3189.2					
#2	2527.7	5456.6	41118.	3214.9					
#3	2528.1	5459.2	41216.	3220.1					

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Sample Name: CCB Acquired: 3/8/2016 12:18:17 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.137	0.000	0.001	0.001	0.028	0.001	0.001	-0.001
Stddev	.0001	.0108	.0005	.0002	.0000	.0013	.0000	.0001	.0001
%RSD	76.62	78.69	2748.	179.2	29.12	47.33	23.83	102.4	169.5
#1	-0.003	0.052	0.000	0.000	0.002	0.026	0.001	0.000	-0.001
#2	-0.002	0.102	0.006	0.000	0.001	0.043	0.000	0.002	-0.001
#3	-0.001	0.259	-0.005	0.003	0.001	0.016	0.001	0.000	0.000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.002	0.117	0.301	0.016	0.001	0.007	0.155	0.001	0.000
Stddev	.0002	.0046	.0641	.0244	.0000	.0002	.0017	.0001	.0004
%RSD	109.3	39.35	212.9	1506.	60.78	21.94	10.98	109.6	11450.
#1	.0001	.0165	.1033	.0270	.0001	.0009	.0138	.0000	-0.003
#2	.0000	.0112	-0.165	-0.003	.0001	.0006	.0172	.0001	.0005
#3	.0003	.0073	.0036	-0.0218	.0000	.0006	.0155	.0001	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.002	-0.006	0.005	0.002	0.001	0.009	-0.011	-0.002	0.000
Stddev	.0002	.0013	.0002	.0001	.0000	.0002	.0007	.0001	.000
%RSD	80.17	215.6	43.15	37.69	31.74	17.36	62.42	48.72	282.6
#1	.0000	-0.003	.0008	.0003	.0002	.0009	-0.006	-0.002	.0000
#2	.0004	.0005	.0004	.0001	.0001	.0007	-0.018	-0.001	.0000
#3	.0002	-0.021	.0003	.0002	.0001	.0010	-0.007	-0.002	-0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/8/2016 12:18:17 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2996.9	5751.9	43625.	3297.5
Stddev	9.9	11.0	82.	7.6
%RSD	.32992	.19127	.18789	.22911
#1	2989.9	5746.3	43535.	3304.6
#2	3008.2	5764.6	43643.	3298.3
#3	2992.6	5744.9	43696.	3289.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.002	0.117	0.301	0.016	0.001	0.007	0.155	0.001	0.000
Stddev	.0002	.0046	.0641	.0244	.0000	.0002	.0017	.0001	.0004
%RSD	109.3	39.35	212.9	1506.	60.78	21.94	10.98	109.6	11450.
#1	.0001	.0165	.1033	.0270	.0001	.0009	.0138	.0000	-0.003
#2	.0000	.0112	-0.165	-0.003	.0001	.0006	.0172	.0001	.0005
#3	.0003	.0073	.0036	-0.0218	.0000	.0006	.0155	.0001	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.002	-0.006	0.005	0.002	0.001	0.009	-0.011	-0.002	0.000
Stddev	.0002	.0013	.0002	.0001	.0000	.0002	.0007	.0001	.000
%RSD	80.17	215.6	43.15	37.69	31.74	17.36	62.42	48.72	282.6
#1	.0000	-0.003	.0008	.0003	.0002	.0009	-0.006	-0.002	.0000
#2	.0004	.0005	.0004	.0001	.0001	.0007	-0.018	-0.001	.0000
#3	.0002	-0.021	.0003	.0002	.0001	.0010	-0.007	-0.002	-0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30076-PS1 Acquired: 3/8/2016 12:22:46 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0484	5.289	1.054	2.828	0.514	27.22	0.518	0.524	0.588
Stddev	.0004	.021	.0006	.0012	.0003	.04	.0001	.0003	.0002
%RSD	.8708	.3869	.6071	.4338	.6019	.1462	.1073	.5204	.4135
#1	.0488	5.267	1.048	2.834	.0510	27.18	.0518	.0526	.0586
#2	.0480	5.293	1.061	2.813	.0515	27.26	.0518	.0521	.0587
#3	.0482	5.307	1.055	2.835	.0516	27.21	.0519	.0525	.0590

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.048	5.898	13.81	7.481	0.559	1.021	25.63	1.041	0.487
Stddev	.0002	.052	.04	.013	.0001	.0003	.05	.0004	.0003
%RSD	.2356	.8757	.2558	.1715	.2051	.2625	.2083	.3391	.5464
#1	.1046	5.839	13.77	7.489	.0559	1.022	25.59	.1044	.0490
#2	.1047	5.923	13.82	7.488	.0560	1.018	25.62	.1037	.0485
#3	.1050	5.933	13.83	7.466	.0558	1.023	25.69	.1041	.0487

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.054	1.004	4.561	0.485	1.423	1.162	0.963	0.571	2.744
Stddev	.0005	.0025	.006	.0004	.0005	.0002	.0005	.0002	.0002
%RSD	.4556	2.469	.1286	.7781	.3851	.1757	.4909	.3653	.0806
#1	.1049	.0981	4.562	.0489	.1418	.1161	.0968	.0574	.2743
#2	.1054	.1030	4.555	.0481	.1421	.1161	.0958	.0570	.2743
#3	.1058	.0999	4.566	.0486	.1429	.1165	.0962	.0571	.2747

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2758.0	5677.9	42451.	3249.8
Stddev	7.3	5.4	166.	3.2
%RSD	.26432	.09569	.39090	.09801
#1	2762.6	5678.6	42526.	3253.5
#2	2761.8	5682.9	42567.	3247.5
#3	2749.6	5672.1	42261.	3248.5

Sample Name: MP30076-S1 Acquired: 3/8/2016 12:27:03 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0503	36.56	2.081	2.193	0.552	48.94	0.537	0.5328	0.2236
Stddev	.0005	.03	.004	.008	.0002	.05	.0002	.0012	.0010
%RSD	1.022	.0865	.1891	.3502	.2763	.1005	.2811	.2333	.4374
#1	.0502	36.58	2.078	2.202	.0551	48.91	.0536	.5315	.2242
#2	.0509	36.52	2.080	2.187	.0552	48.92	.0538	.5328	.2240
#3	.0498	36.57	2.085	2.190	.0554	49.00	.0539	.5340	.2244

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.684	32.03	31.53	29.94	5.488	5.412	42.98	5.348	5.144
Stddev	.0009	.07	.09	.12	.0001	.0010	.08	.0007	.0014
%RSD	.3389	.2155	.2934	.3969	.0149	.1814	.1769	.1392	.2686
#1	.2688	32.10	31.64	29.84	.5488	.5403	43.07	.5355	.5148
#2	.2673	31.97	31.49	29.92	.5488	.5410	42.93	.5348	.5128
#3	.2689	32.03	31.47	30.07	.5489	.5422	42.95	.5340	.5155

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.257	2.114	8.891	5.438	6.245	7.034	2.065	5.054	5.396
Stddev	.0035	.009	.012	.0004	.0028	.0085	.006	.0001	.0010
%RSD	.6650	.4027	.1396	.0820					

Sample Name: MP30076-S2 Acquired: 3/8/2016 12:31:15 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0504	36.48	2.096	2.210	.0551	49.06	.0539	.5320	.2233
Stddev	.0007	.15	.006	.008	.0003	.23	.0001	.0009	.0007
%RSD	1.326	.4133	.2968	.3582	.6135	.4703	.1464	.1685	.2956
#1	.0503	36.35	2.095	2.202	.0547	48.82	.0540	.5329	.2240
#2	.0512	36.45	2.090	2.211	.0551	49.08	.0538	.5322	.2227
#3	.0498	36.64	2.103	2.218	.0554	49.29	.0539	.5311	.2231
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.2711	31.89	3.173	29.77	.5532	5.388	43.24	.5365	.5179
Stddev	.0003	.09	.10	.29	.0011	.0002	.09	.0005	.0018
%RSD	.1138	.2861	.3178	.9825	.2053	.0407	.2005	.0975	.3443
#1	.2707	31.83	3.167	29.59	.5529	5.388	43.15	.5370	.5193
#2	.2712	31.85	3.168	29.61	.5523	5.390	43.24	.5360	.5159
#3	.2713	32.00	3.185	30.11	.5545	5.386	43.32	.5365	.5185
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5282	2.136	8.876	5.442	.6254	6.982	2.075	.5072	.5399
Stddev	.0010	.004	.023	.0011	.0015	.0038	.004	.0008	.0016
%RSD	.1822	.1968	.2582	.1975	.2334	.5438	.2056	.1643	.2987
#1	.5286	2.134	8.895	5.449	.6237	6.938	2.080	.5064	.5414
#2	.5288	2.133	8.883	5.430	.6262	7.008	2.073	.5080	.5383
#3	.5270	2.141	8.851	5.448	.6263	7.000	2.072	.5073	.5401
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2581.2	5550.5	41395.	3220.3					
Stddev	2.8	3.7	107.	25.6					
%RSD	.10750	.06642	.25963	.79479					
#1	2578.2	5553.5	41296.	3241.1					
#2	2583.5	5551.6	41510.	3228.0					
#3	2582.0	5546.4	41380.	3191.7					

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Sample Name: FA31888-1 Acquired: 3/8/2016 12:35:26 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0004	.2971	.0080	.0248	.0000	84.27	-.0001	.0008	.0031
Stddev	.0003	.0087	.0007	.0004	.0000	.13	.0001	.0001	.0002
%RSD	60.61	2.921	8.431	1.645	125.3	.1592	69.46	9.589	7.946
#1	-.0002	.2871	.0072	.0246	.0001	84.12	.0000	.0009	.0028
#2	-.0007	.3013	.0083	.0246	.0000	84.37	-.0001	.0008	.0032
#3	-.0004	.3029	.0085	.0253	.0000	84.33	-.0001	.0008	.0032
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	-.0001	.7842	7.493	5.901	.0239	.0032	17.20	.0007	.0002
Stddev	.0001	.0053	.030	.030	.0000	.0002	.08	.0002	.0004
%RSD	154.6	.6762	.3997	.5052	.1841	4.879	.4568	26.34	260.0
#1	.0000	.7822	7.459	5.875	.0240	.0034	17.12	.0009	.0004
#2	.0000	.7802	7.513	5.894	.0239	.0031	17.21	.0008	-.0003
#3	-.0002	.7902	7.507	5.933	.0239	.0032	17.27	.0005	.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0005	.0017	1.802	.0000	.1399	.0022	-.0005	.0042	.0073
Stddev	.0012	.0003	.007	.0000	.0007	.0000	.0011	.0003	.0000
%RSD	249.8	14.74	.3681	52.66	.5185	1.651	203.4	7.844	6210
#1	.0006	.0020	1.808	.0000	.1391	.0022	.0001	.0042	.0073
#2	-.0004	.0016	1.795	.0001	.1404	.0022	.0000	.0046	.0072
#3	-.0017	.0016	1.801	.0000	.1403	.0021	-.0018	.0040	.0073
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2702.5	5480.2	41349.	3229.7					
Stddev	4.1	10.3	211.	2.1					
%RSD	.14988	.18872	.51139	.06638					
#1	2706.2	5475.7	41182.	3231.4					
#2	2698.2	5492.1	41278.	3230.4					
#3	2703.0	5472.9	41587.	3227.3					

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Sample Name: FA31888-4 Acquired: 3/8/2016 12:39:53 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.2349	.0005	.0084	.0000	62.90	.0000	.0001	.0027
Stddev	.0005	.0023	.0006	.0001	.000	.21	.000	.0000	.0001
%RSD	943.5	.9872	113.5	.8103	64.67	.3415	103.4	10.96	2.169
#1	-.0003	.2374	.0001	.0085	.0000	62.72	-.0001	.0001	.0027
#2	-.0002	.2328	.0003	.0084	.0000	62.83	.0000	.0001	.0028
#3	.0007	.2346	.0012	.0085	.0000	63.14	.0000	.0001	.0027
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(In2306)
Avg	-.0002	.0495	7.521	3.416	.0081	.0000	8.385	.0004	.0000
Stddev	.0002	.0046	.038	.054	.0000	.0002	.015	.0000	.0008
%RSD	76.54	9.328	.5048	1.570	.1222	116.7.	.1821	12.67	32.27.
#1	-.0003	.0539	7.478	3.363	.0081	-.0002	8.369	.0003	-.0008
#2	-.0004	.0500	7.538	3.470	.0081	.0000	8.386	.0004	.0006
#3	.0000	.0447	7.547	3.414	.0081	.0001	8.400	.0004	.0003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0013	.0010	2.197	-.0001	.1142	.0022	-.0012	.0032	.0146
Stddev	.0003	.0005	.006	.0001	.0005	.0001	.0006	.0002	.0000
%RSD	23.31	54.42	.2971	62.23	.4113	6.369	48.30	4.744	.2904
#1	-.0015	.0007	2.199	.0000	.1140	.0023	-.0008	.0033	.0146
#2	-.0010	.0007	2.202	-.0002	.1138	.0021	-.0018	.0034	.0145
#3	-.0014	.0016	2.189	-.0002	.1147	.0021	-.0009	.0031	.0146
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2748.9	5537.8	41106.	3174.0					
Stddev	6.6	6.1	184.	19.4					
%RSD	.23850	.10940	.44875	.61031					
#1	2756.2	5542.2	41311.	3190.6					
#2	2746.7	5530.9	41054.	3178.9					
#3	2743.7	5540.3	40953.	3152.7					

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Sample Name: FA31888-5 Acquired: 3/8/2016 12:44:19 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0005	.2589	.0004	.0099	-.0001	71.32	-.0001	.0001	.0027
Stddev	.0005	.0128	.0006	.0002	.0000	.19	.0000	.0001	.0002
%RSD	114.9	4.926	147.1	1.667	35.92	2672	11.28	113.5	9.266
#1	-.0001	.2451	.0011	.0101	-.0001	71.35	-.0001	.0002	.0030
#2	-.0011	.2612	.0000	.0097	-.0001	71.50	-.0001	.0000	.0026
#3	-.0002	.2702	.0001	.0100	-.0001	71.12	-.0001	.0001	.0025
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	-.0005	.0524	6.963	5.140	.0056	.0005	11.33	.0003	.0001
Stddev	.0001	.0027	.048	.038	.0000	.0002	.03	.0002	.0003
%RSD	25.87	5.241	.6848	.7444	.3456	36.30	.2223		

Sample Name: FA31888-6 Acquired: 3/8/2016 12:48:47 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.2364	.0021	.0090	-.0001	48.69	-.0001	.0004	.0025
Stddev	.0003	.0046	.0009	.0003	.0000	.24	.0000	.0000	.0001
%RSD	227.1	1.959	42.00	3.352	49.25	4917	17.58	1.546	5.360
#1	.0000	.2376	.0024	.0092	-.0001	48.85	-.0001	.0004	.0024
#2	-.0001	.2402	.0011	.0086	-.0001	48.41	-.0001	.0004	.0026
#3	.0004	.2312	.0027	.0091	.0000	48.79	-.0001	.0004	.0024
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0004	.3555	4.313	2.068	.0175	.0017	5.309	.0005	.0000
Stddev	.0003	.0017	.021	.014	.0000	.0000	.016	.0001	.000
%RSD	81.92	.4718	4.902	.6805	.2829	1.292	.2953	17.59	1289.
#1	.0006	.3557	4.326	2.054	.0175	.0017	5.315	.0005	-.0002
#2	.0006	.3537	4.289	2.069	.0175	.0017	5.291	.0005	.0002
#3	.0000	.3570	4.325	2.082	.0176	.0016	5.321	.0004	.0000
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0001	.0012	1.915	.0000	.0728	.0034	-.0008	.0107	.0068
Stddev	.0005	.0006	.003	.0004	.0005	.0001	.0011	.0002	.0000
%RSD	902.4	53.21	.1378	1791.	.8409	2.712	138.5	2.041	4494
#1	.0000	.0016	1.916	.0002	.0731	.0033	.0000	.0109	.0068
#2	-.0005	.0015	1.912	.0002	.0723	.0035	-.0021	.0107	.0069
#3	.0004	.0005	1.917	-.0004	.0730	.0035	-.0004	.0104	.0068
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2796.3	5586.9	42050.	3262.5					
Stddev	5.9	11.1	64.	15.2					
%RSD	.21156	.19898	.15141	.46461					
#1	2796.8	5578.1	41981.	3266.5					
#2	2801.9	5599.4	42065.	3275.4					
#3	2790.1	5583.2	42106.	3245.8					

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Sample Name: FA31888-7 Acquired: 3/8/2016 12:53:13 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0001	.1929	.0035	.0209	-.0001	47.80	.0001	.0005	.0019
Stddev	.0003	.0045	.0010	.0006	.0001	.05	.0000	.0000	.0001
%RSD	400.4	2.350	27.45	3.084	83.78	.0973	31.56	10.16	5.437
#1	-.0004	.1877	.0040	.0216	-.0002	47.79	.0001	.0005	.0018
#2	.0001	.1948	.0024	.0209	.0000	47.76	.0001	.0004	.0019
#3	.0001	.1961	.0042	.0203	-.0002	47.85	.0002	.0005	.0020
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0003	1.118	13.94	2.339	.0180	.0100	22.20	.0002	.0003
Stddev	.0001	.009	.04	.034	.0001	.0000	.04	.0002	.0005
%RSD	33.69	.7636	.2663	1.464	.4318	.1717	.1682	98.03	158.7
#1	.0003	1.118	13.90	2.373	.0181	.0100	22.17	.0003	-.0002
#2	.0002	1.110	13.97	2.304	.0179	.0100	22.24	.0004	.0006
#3	.0004	1.127	13.93	2.340	.0180	.0100	22.19	.0000	.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0003	.0026	1.510	-.0001	.0651	.0029	-.0006	.0018	.0095
Stddev	.0004	.0004	.005	.0001	.0004	.0002	.0012	.0001	.0000
%RSD	137.4	16.28	.3097	226.3	.5626	7.386	179.6	3.960	2765
#1	-.0002	.0024	1.504	.0000	.0647	.0031	-.0019	.0019	.0095
#2	.0006	.0022	1.512	-.0002	.0654	.0028	.0004	.0017	.0095
#3	.0005	.0030	1.512	.0001	.0652	.0027	-.0004	.0018	.0095
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2729.9	5588.7	41552.	3249.7					
Stddev	5.5	11.7	107.	7.4					
%RSD	.20169	.20890	.25704	.22880					
#1	2728.5	5601.8	41653.	3241.1					
#2	2735.9	5585.2	41563.	3254.4					
#3	2725.2	5579.2	41440.	3253.5					

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Sample Name: FA31888-8 Acquired: 3/8/2016 12:57:40 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0003	.0353	.0013	.0517	-.0001	123.1	.0001	-.0001	.0003
Stddev	.0002	.0088	.0004	.0003	.0001	.7	.0000	.0000	.0000
%RSD	82.46	24.84	32.58	.5076	120.1	6067	5.246	51.78	2.358
#1	-.0005	.0282	.0017	.0516	.0000	122.8	.0001	-.0001	.0003
#2	-.0001	.0451	.0008	.0515	-.0002	122.7	.0001	-.0001	.0003
#3	-.0001	.0325	.0015	.0520	.0000	124.0	.0001	.0000	.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0003	1.832	6.125	1.999	.0307	.0041	4.681	.0002	-.0003
Stddev	.0001	.016	.080	.026	.0000	.0001	.026	.0001	.0003
%RSD	39.19	.8940	1.307	1.303	.1552	2.451	.5479	30.70	119.8
#1	.0003	1.827	6.128	1.972	.0308	.0042	4.671	.0001	-.0006
#2	.0002	1.819	6.043	2.002	.0307	.0040	4.661	.0003	.0001
#3	.0004	1.851	6.203	2.024	.0307	.0042	4.710	.0002	-.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0010	.0011	7.132	.0005	.2056	.0008	-.0005	.0024	.0138
Stddev	.0004	.0007	.013	.0001	.0010	.0001	.0009	.0002	.0001
%RSD	37.29	61.79	.1804	21.34	.5099	7.336	173.8	10.27	.5911
#1	.0010	.0007	7.117	.0004	.2052	.0008	.0004	.0022	.0137
#2	.0013	.0019	7.137	.0006	.2048	.0008	-.0015	.0024	.0139
#3	.0006	.0007	7.140	.0006	.2068	.0007	-.0005	.0027	.0138
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2688.7	5524.3	40643.	3153.7					
Stddev	9.3	8.0	50.	28.5					
%RSD	.34760	.14469	.12401	.90399					
#1	2699.0	5533.3	40595.	3153.6					
#2	2686.3	5521.8	40696.	3182.2					
#3	2680.8	5517.9	40637.	3125.2					

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Sample Name: FA31888-9 Acquired: 3/8/2016 13:02:05 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0007	.1992	.0000	.0076	.0000	62.24	.0000	.0001	.0011
Stddev	.0006	.0107	.001	.0004	.000	.19	.000	.0000	.0002
%RSD	85.02	5.368	5664.	5.307	299.4	2980	207.0	15.91	15.74
#1	-.0010	.1869	-.0012	.0071	.0001	62.34	.0000	.0001	.0011
#2	-.0012	.2046	.0010	.0078	-.0001	62.36	-.0001	.0001	.0010
#3	.0000	.2062	.0002	.0078	-.0001	62.03	.0000	.0001	.0013
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0001	.0291	2.451	1.925	.0158	.0004	4.574	.0002	.0002
Stddev	.0002	.0029	.047	.028	.0000	.0002	.019	.0001	.0004
%RSD	286.2	10.02	1.913	1.434	.2165	41.93	4.119	64.21	235.2
#1	.0002	.0298	2.493	1.903	.0158	.0002	4.590	.0003	-.0002
#2	-.0001	.0259							

Sample Name: CCV Acquired: 3/8/2016 13:06:30 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2517	41.07	2.020	2.042	2.055	40.65	2.050	2.050	2.074
Stddev	.0008	.21	.004	.004	.012	.23	.002	.002	.013
%RSD	.3187	.5032	.2071	.1759	.6048	.5713	.0867	.0973	.6191

#1	.2519	41.31	2.018	2.046	2.070	40.91	2.052	2.052	2.077
#2	.2524	40.95	2.017	2.039	2.048	40.47	2.049	2.050	2.085
#3	.2508	40.95	2.025	2.041	2.048	40.56	2.049	2.048	2.060

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.029	40.39	41.08	40.69	2.058	2.068	41.12	2.042	1.988
Stddev	.004	.28	.19	.47	.039	.002	.16	.002	.004
%RSD	.1896	.6817	.4540	1.154	1.897	.0750	.3954	.0885	.2248

#1	2.031	40.71	41.29	41.23	2.075	2.070	41.31	2.043	1.992
#2	2.031	40.24	41.04	40.35	2.085	2.067	41.02	2.042	1.983
#3	2.024	40.21	40.92	40.49	2.013	2.068	41.04	2.040	1.990

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.021	2.029	1.998	2.068	2.038	2.075	2.005	2.051	2.048
Stddev	.000	.004	.001	.003	.007	.012	.007	.009	.004
%RSD	.0209	.1807	.0585	.1193	.3657	.5566	.3587	.4632	.1904

#1	2.021	2.031	1.997	2.069	2.047	2.080	2.006	2.053	2.051
#2	2.021	2.032	1.998	2.069	2.033	2.084	1.997	2.059	2.050
#3	2.021	2.025	1.999	2.065	2.035	2.062	2.011	2.041	2.044

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/8/2016 13:06:30 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2511.4	5425.3	40273.	3147.2
Stddev	4.3	.9	282.	34.3
%RSD	.17181	.01723	.69995	1.0889

#1	2508.1	5426.4	40196.	3108.8
#2	2516.3	5424.7	40038.	3174.6
#3	2509.7	5424.8	40586.	3158.1

Sample Name: CCB Acquired: 3/8/2016 13:10:44 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	.0060	.0002	-0.0001	.0002	.0023	.0001	.0000	-0.0001
Stddev	.0005	.0082	.0003	.0005	.0000	.0009	.0000	.0001	.0002
%RSD	179.7	136.2	140.2	473.3	18.09	39.97	50.24	3974.	207.3

#1	.0001	.0150	.0002	.0004	.0001	.0020	.0001	.0001	.0000
#2	-.0009	.0044	.0004	-.0004	.0001	.0034	.0001	-.0001	-.0003
#3	-.0001	-.0013	-.0001	-.0003	.0002	.0016	.0000	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0103	.0696	-0.0154	.0001	.0008	.0305	.0000	.0006
Stddev	.0001	.0011	.0202	.0179	.0000	.0003	.0030	.0001	.0003
%RSD	569.9	10.19	29.02	116.2	40.05	41.16	9.807	430.0	45.24

#1	.0001	.0114	.0759	-.0209	.0001	.0011	.0300	.0001	.0009
#2	-.0001	.0103	.0470	.0046	.0000	.0007	.0278	.0000	.0005
#3	.0000	.0093	.0858	-.0299	.0001	.0005	.0337	.0000	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	.0015	.0012	.0000	.0001	.0008	-0.0006	.0001	.0000
Stddev	.0006	.0021	.0000	.0002	.0000	.0000	.0006	.0001	.000
%RSD	550.3	138.1	3.290	596.2	65.02	5.162	102.3	117.7	111.4

#1	-.0008	.0022	.0012	.0002	.0001	.0008	-.0004	.0001	-.0001
#2	.0002	.0032	.0013	.0002	.0000	.0009	-.0001	.0000	.0000
#3	.0003	-.0008	.0012	-.0002	.0001	.0008	-.0013	.0001	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/8/2016 13:10:44 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3005.1	5805.6	43723.	3281.3
Stddev	6.1	16.1	167.	37.3
%RSD	.20338	.27785	.38199	1.1356

#1	3011.7	5824.0	43591.	3298.1
#2	3004.1	5799.2	43667.	3307.2
#3	2999.6	5793.7	43911.	3238.6

Sample Name: FA31888-10 Acquired: 3/8/2016 13:15:15 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA31888-12 Acquired: 3/8/2016 13:24:08 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA31888-11 Acquired: 3/8/2016 13:19:43 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA31890-9 Acquired: 3/8/2016 13:28:35 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA31929-31 Acquired: 3/8/2016 13:33:03 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1-3, Int. Std., Avg, Stddev, %RSD, #1-3).

Sample Name: FA31931-32 Acquired: 3/8/2016 13:37:29 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1-3, Int. Std., Avg, Stddev, %RSD, #1-3).

Sample Name: FA31932-4 Acquired: 3/8/2016 13:41:56 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1-3, Int. Std., Avg, Stddev, %RSD, #1-3).

Sample Name: FA31908-1 Acquired: 3/8/2016 13:46:22 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1-3, Int. Std., Avg, Stddev, %RSD, #1-3).

7.1

7

Sample Name: FA31908-3 Acquired: 3/8/2016 13:50:49 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	.1311	.0003	.0125	-0.001	67.12	-0.001	.0001	.0012
Stddev	.0002	.0112	.0006	.0003	.0000	.04	.0001	.0001	.0000
%RSD	72.20	8.552	226.6	2.271	41.55	.0631	83.89	108.7	3.344
#1	-.0004	.1407	-.0004	.0122	-.0001	67.11	-.0001	.0000	.0012
#2	-.0000	.1188	.0008	.0128	-.0001	67.17	-.0001	.0002	.0012
#3	-.0004	.1337	.0004	.0126	-.0002	67.08	.0000	.0001	.0012
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0002	.1374	2.184	3.081	.0276	.0020	2.692	.0001	-0.002
Stddev	.0001	.0040	.021	.025	.0001	.0001	.011	.0001	.0007
%RSD	35.36	2.900	.9433	.8281	.2695	6.084	.4065	78.10	436.2
#1	.0003	.1410	2.200	3.105	.0276	.0019	2.683	.0001	.0004
#2	.0002	.1381	2.161	3.085	.0276	.0020	2.704	.0001	.0000
#3	.0002	.1331	2.191	3.054	.0277	.0022	2.689	.0003	-.0009
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.003	-0.002	2.788	-0.003	.1193	.0020	-0.022	.0064	.0079
Stddev	.0011	.0007	.010	.0000	.0006	.0001	.0012	.0002	.0001
%RSD	314.9	378.2	.3434	11.57	.5388	4.716	55.21	3.800	1.181
#1	-.0012	-.0001	2.777	-.0003	.1186	.0019	-.0036	.0063	.0079
#2	.0008	.0005	2.796	-.0002	.1199	.0021	-.0020	.0062	.0079
#3	-.0006	-.0010	2.791	-.0003	.1195	.0019	-.0012	.0067	.0080
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2710.3	5391.3	40754.	3172.6					
Stddev	4.8	10.2	98.	12.5					
%RSD	.17776	.18979	.24085	.39394					
#1	2709.2	5398.2	40726.	3158.2					
#2	2715.5	5379.5	40864.	3180.2					
#3	2706.1	5396.1	40674.	3179.5					

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Sample Name: FA31908-4 Acquired: 3/8/2016 13:55:17 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	.2167	.0001	.0248	.0000	101.2	-0.001	.0000	.0012
Stddev	.0004	.0056	.0004	.0003	.000	.6	.0000	.0001	.0002
%RSD	358.9	2.597	287.1	1.143	44.88	.6327	89.07	906.6	20.22
#1	.0001	.2161	-.0001	.0249	.0000	101.0	-.0001	.0000	.0011
#2	-.0005	.2113	-.0001	.0250	-.0001	100.8	.0000	.0002	.0010
#3	.0001	.2225	.0006	.0245	.0000	102.0	.0000	-.0001	.0015
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.003	.0142	3.996	7.411	.0514	.0000	37.83	.0005	-0.001
Stddev	.0001	.0011	.060	.052	.0001	.0000	.26	.0001	.0003
%RSD	43.62	8.071	1.504	.7069	.1027	106.3	.6780	15.57	254.1
#1	-.0002	.0132	3.977	7.373	.0514	.0001	37.71	.0006	.0003
#2	-.0002	.0140	3.948	7.388	.0514	.0001	37.66	.0004	-.0003
#3	-.0004	.0155	4.064	7.471	.0515	.0000	38.13	.0004	-.0003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.016	.0016	4.249	-0.002	.2208	.0019	-0.021	.0010	.0159
Stddev	.0002	.0010	.007	.0003	.0009	.0001	.0012	.0002	.0000
%RSD	13.79	64.70	.1766	164.1	.4179	6.876	58.72	20.13	1.761
#1	-.0015	.0026	4.243	.0001	.2204	.0019	-.0007	.0011	.0159
#2	-.0018	.0016	4.257	-.0002	.2201	.0021	-.0027	.0008	.0159
#3	-.0014	.0005	4.248	-.0006	.2218	.0018	-.0030	.0011	.0159
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2632.0	5359.2	40084.	3134.4					
Stddev	5.8	6.7	147.	3.1					
%RSD	.21880	.12535	.36790	.09920					
#1	2632.9	5365.7	40219.	3137.7					
#2	2625.8	5352.3	40107.	3134.0					
#3	2637.2	5359.7	39927.	3131.6					

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Sample Name: CCV Acquired: 3/8/2016 13:59:42 Type: QC
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.505	40.93	2.006	2.035	2.039	40.38	2.048	2.048	2.067
Stddev	.0006	.13	.001	.005	.008	.10	.001	.001	.004
%RSD	.2407	.3295	.0237	.2498	.4086	.2380	.0632	.0667	.2171
#1	.2502	40.83	2.007	2.030	2.033	40.34	2.049	2.048	2.064
#2	.2512	40.87	2.006	2.038	2.034	40.32	2.047	2.050	2.063
#3	.2501	41.08	2.006	2.039	2.048	40.49	2.047	2.047	2.072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.016	40.17	41.01	40.50	2.068	2.067	40.97	2.038	1.989
Stddev	.010	.15	.07	.28	.003	.002	.03	.001	.002
%RSD	.4904	.3806	.1819	.6962	.1402	.0719	.0836	.0507	.1207
#1	2.016	40.17	41.10	40.74	2.065	2.066	40.98	2.038	1.991
#2	2.025	40.02	40.99	40.19	2.071	2.069	40.93	2.037	1.986
#3	2.006	40.33	40.96	40.57	2.068	2.067	40.99	2.039	1.990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.008	2.016	1.988	2.061	2.026	2.065	2.006	2.043	2.048
Stddev	.001	.004	.003	.003	.003	.001	.001	.002	.004
%RSD	.0451	.1927	.1262	.1243	.1466	.0420	.0698	.0830	.1903
#1	2.008	2.013	1.987	2.062	2.026	2.065	2.005	2.042	2.052
#2	2.008	2.020	1.990	2.058	2.022	2.065	2.004	2.045	2.044
#3	2.007	2.014	1.985	2.062	2.028	2.064	2.007	2.043	2.049
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 3/8/2016 13:59:42 Type: QC
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2516.2	5437.0	40133.	3107.2
Stddev	4.5	9.8	64.2	22.0
%RSD	.17881	.18080	.15474	.70929
#1	2519.7	5447.8	40083.	3106.3
#2	2517.8	5434.8	40202.	3129.7
#3	2511.2	5428.5	40113.	3085.7

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Sample Name: CCB Acquired: 3/8/2016 14:03:53 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0103	.0002	.0003	.0001	.0069	.0001	.0000	.0001
Stddev	.0003	.0104	.0011	.0002	.0001	.0050	.0001	.0001	.0000
%RSD	133.9	101.0	550.0	62.17	74.18	73.32	120.5	155.6	24.34
#1	.0002	.0223	.0013	.0005	.0002	.0122	.0001	.0001	.0001
#2	-.0001	.0049	-.0010	.0004	.0001	.0022	.0001	.0000	.0001
#3	.0005	.0037	.0003	.0001	.0000	.0062	.0000	.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0127	.0697	-.0025	.0000	.0010	.0327	.0002	.0010
Stddev	.0002	.0061	.0545	.0096	.0000	.0002	.0064	.0001	.0003
%RSD	106.7	48.16	78.16	381.1	119.6	17.02	19.62	64.60	35.05
#1	.0003	.0193	.1058	.0061	.0000	.0011	.0303	.0003	.0014
#2	.0000	.0114	.0070	-.0008	.0001	.0010	.0400	.0001	.0008
#3	.0002	.0073	.0963	-.0129	.0000	.0008	.0279	.0002	.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0000	.0014	.0003	.0001	.0009	-.0015	.0001	-.0001
Stddev	.0003	.000	.0003	.0002	.0001	.0001	.0005	.0002	.0000
%RSD	191.3	775.2	21.10	57.05	69.95	5.751	33.36	168.1	34.12
#1	-.0002	-.0004	.0014	.0001	.0002	.0010	-.0016	.0001	.0000
#2	.0003	-.0002	.0012	.0004	.0002	.0010	-.0010	-.0001	-.0001
#3	.0004	.0004	.0018	.0003	.0000	.0009	-.0020	.0002	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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7.1
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Sample Name: CCB Acquired: 3/8/2016 14:03:53 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2980.8	5703.9	42703.	3143.0
Stddev	5.1	10.4	165.	5.7
%RSD	.16947	.18257	.38728	.18257
#1	2986.3	5715.7	42618.	3149.1
#2	2976.4	5696.0	42894.	3137.7
#3	2979.6	5700.1	42597.	3142.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0127	.0697	-.0025	.0000	.0010	.0327	.0002	.0010
Stddev	.0002	.0061	.0545	.0096	.0000	.0002	.0064	.0001	.0003
%RSD	106.7	48.16	78.16	381.1	119.6	17.02	19.62	64.60	35.05
#1	.0003	.0193	.1058	.0061	.0000	.0011	.0303	.0003	.0014
#2	.0000	.0114	.0070	-.0008	.0001	.0010	.0400	.0001	.0008
#3	.0002	.0073	.0963	-.0129	.0000	.0008	.0279	.0002	.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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Sample Name: FA31923-1 Acquired: 3/8/2016 14:08:23 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0008	29.10	.0260	.3865	.0011	27.97	-.0002	.0022	.0397
Stddev	.0003	.16	.0005	.0023	.0001	.18	.0001	.0000	.0002
%RSD	36.39	557.3	2.103	60.21	7.176	63.10	29.07	1.323	518.0
#1	-.0012	29.22	.0266	.3882	.0012	28.15	-.0002	.0022	.0398
#2	-.0006	29.15	.0255	.3873	.0011	27.96	-.0002	.0023	.0394
#3	-.0007	28.91	.0260	.3838	.0010	27.79	-.0001	.0023	.0398

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0131	54.94	3.205	5.884	.1723	-.0003	26.24	.0059	.0383
Stddev	.0000	.33	.016	.033	.0010	.0002	.12	.0002	.0010
%RSD	.2811	607.6	484.7	559.5	55.56	61.56	4.581	3.173	2.522
#1	.0130	55.26	3.222	5.888	.1718	-.0002	26.37	.0061	.0373
#2	.0130	54.95	3.192	5.915	.1717	-.0001	26.24	.0060	.0393
#3	.0131	54.60	3.202	5.850	.1734	-.0005	26.13	.0057	.0382

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0009	-.0004	35.63	.0049	2.184	.0349	-.0014	.0661	.0380
Stddev	.0007	.0014	.06	.0004	.0009	.0001	.0004	.0005	.0002
%RSD	83.63	316.2	1.693	7.899	.4228	.3693	26.41	.8009	.4468
#1	.0017	.0008	35.66	.0048	2.193	.0348	-.0011	.0657	.0381
#2	.0003	-.0002	35.57	.0054	2.183	.0348	-.0013	.0660	.0378
#3	.0006	-.0020	35.68	.0046	2.175	.0350	-.0018	.0667	.0381

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2734.3	5731.6	42926.	3319.3
Stddev	6.6	7.4	206.	24.2
%RSD	.23996	.12833	.48032	.72957
#1	2726.7	5725.5	43127.	3300.2
#2	2738.3	5729.5	42934.	3311.3
#3	2737.9	5739.8	42715.	3346.6

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Sample Name: FA31923-2 Acquired: 3/8/2016 14:12:45 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0001	4.014	.0190	.2446	.0004	22.99	-.0001	.0031	.0042
Stddev	.0007	.035	.0008	.0013	.0000	.11	.0000	.0000	.0002
%RSD	490.6	8.607	4.145	53.54	10.54	4.988	23.00	1.147	4.124
#1	-.0001	4.028	.0184	.2431	.0004	22.93	-.0001	.0031	.0044
#2	.0005	4.040	.0188	.2450	.0004	23.13	-.0001	.0031	.0041
#3	-.0009	3.975	.0199	.2456	.0004	22.93	-.0001	.0032	.0042

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0015	8.004	2.140	4.253	.1447	-.0001	18.50	.0085	.0010
Stddev	.0005	.043	.051	.027	.0001	.0000	.06	.0002	.0001
%RSD	32.35	5.347	2.361	6.418	.0595	9.232	.3081	2.064	14.63
#1	.0020	7.996	2.161	4.268	.1446	-.0001	18.46	.0085	.0008
#2	.0013	8.051	2.082	4.270	.1447	-.0001	18.57	.0083	.0010
#3	.0011	7.966	2.176	4.222	.1448	-.0002	18.48	.0087	.0011

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0006	-.0001	16.85	.0029	.1819	.1523	-.0014	.0061	.0734
Stddev	.0009	.0011	.10	.0004	.0004	.0106	.0004	.0002	.0003
%RSD	161.1	1667.	5.770	13.13	.2218	6.936	25.56	2.688	.4227
#1	.0002	.0008	16.78	.0033	.1818	.1418	-.0018	.0062	.0731
#2	-.0003	-.0013	16.96	.0027	.1823	.1629	-.0013	.0062	.0735
#3	-.0016	.0003	16.81	.0026	.1815	.1522	-.0011	.0059	.0737

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2786.8	5632.7	42127.	3196.5
Stddev	6.0	5.7	68.	25.6
%RSD	.21472	.10031	.16222	.80011
#1	2792.6	5630.2	42202.	3184.1
#2	2780.6	5628.8	42110.	3179.5
#3	2787.1	5639.2	42068.	3225.9

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Sample Name: MP30078-MB1 Acquired: 3/8/2016 14:17:09 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0028	-0.0004	.0003	-0.0002	.0753	-0.0001	-0.0001	.0000
Stddev	.0004	.0049	.0005	.0003	.0001	.0017	.0000	.0000	.0003
%RSD	357.7	176.2	132.7	101.0	48.18	2.247	27.25	24.11	1712.

#1 -0.001 -0.024 .0000 .0001 -0.0003 .0770 -0.0001 -0.0001 .0001
 #2 -0.003 .0074 -0.0010 .0007 -0.0002 .0753 -0.0001 -0.0001 .0003
 #3 -0.0005 .0033 -0.0001 .0002 -0.0001 .0736 -0.0001 .0000 -0.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

High Limit
Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0133	.1389	.0076	.0005	-0.0003	.0885	.0004	.0009
Stddev	.0001	.0020	.0135	.0396	.0000	.0000	.0093	.0001	.0003
%RSD	9.825	15.27	9.702	521.5	1.638	9.529	10.51	25.81	33.32

#1 .0006 .0110 .1343 .0498 .0005 -0.0004 .0784 .0005 .0008
 #2 .0008 .0150 .1540 -.0286 .0005 -0.0003 .0967 .0004 .0013
 #3 .0008 .0140 .1283 .0015 .0006 -0.0003 .0903 .0003 .0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

High Limit
Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.0007	.0146	.0215	.0001	.0000	-0.0010	-0.0001	F .0125
Stddev	.0005	.0010	.0029	.0002	.0000	.0001	.0005	.0001	.0001
%RSD	531.7	140.0	20.06	1.069	8.269	145.1	46.36	120.0	.8027

#1 .0002 -0.0019 .0131 .0217 .0001 -0.0001 -0.0009 -0.0002 .0127
 #2 .0002 .0002 .0180 .0213 .0001 .0000 -0.0015 -0.0001 .0125
 #3 -0.0007 -0.0005 .0128 .0214 .0001 .0000 -0.0006 .0000 .0125

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail

High Limit .0100
Low Limit -.0100

Sample Name: MP30078-MB1 Acquired: 3/8/2016 14:17:09 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2997.3	5731.4	43630.	3206.2
Stddev	3.6	10.7	196.	17.5
%RSD	.11916	.18611	.44895	.54469

#1 2997.9 5738.1 43854. 3219.4
 #2 3000.5 5719.1 43490. 3212.8
 #3 2993.5 5736.9 43547. 3186.4

7.1
7

Sample Name: MP30078-B1 Acquired: 3/8/2016 14:21:41 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0497	30.66	2.081	2.205	.0558	27.88	.0544	.5415	.2200
Stddev	.0008	.17	.004	.008	.0004	.44	.0002	.0020	.0011
%RSD	1.583	.5691	.2012	.3458	.6438	1.589	4.186	.3666	.5181

#1 .0489 30.48 2.077 2.196 .0554 27.91 .0541 .5393 .2187
 #2 .0505 30.66 2.085 2.207 .0561 27.42 .0546 .5420 .2206
 #3 .0497 30.83 2.082 2.211 .0558 28.30 .0544 .5432 .2208

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2717	29.11	28.27	27.92	.5553	.5568	28.65	.5441	.5109
Stddev	.0004	.33	.21	.71	.0006	.0016	.15	.0005	.0030
%RSD	.1504	1.119	.7379	2.551	.1029	.2864	.5304	.0964	.5849

#1 .2718 29.19 28.13 28.14 .5547 .5550 28.48 .5435 .5115
 #2 .2721 28.75 28.18 27.13 .5553 .5572 28.71 .5444 .5135
 #3 .2713 29.38 28.51 28.50 .5559 .5581 28.77 .5444 .5076

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5233	2.113	.0276	.5819	.5500	.5641	2.059	.5033	.5420
Stddev	.0044	.011	.0010	.0002	.0023	.0013	.001	.0009	.0012
%RSD	.8489	.5023	3.743	.0397	.4214	.2310	.0564	.1813	.2193

#1 .5182 2.101 .0264 .5817 .5480 .5627 2.057 .5023 .5409
 #2 .5263 2.120 .0284 .5821 .5494 .5653 2.059 .5037 .5433
 #3 .5253 2.118 .0281 .5818 .5525 .5643 2.060 .5040 .5418

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass

Value Range

Sample Name: MP30078-B1 Acquired: 3/8/2016 14:21:41 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2639.4	5522.3	41115.	3161.0
Stddev	3.8	7.8	215.	42.2
%RSD	.14520	.14115	.52180	1.3350

#1 2638.7 5523.1 41359. 3169.5
 #2 2643.5 5529.6 41031. 3198.3
 #3 2635.9 5514.1 40956. 3115.2

Sample Name: MP30078-B2 Acquired: 3/8/2016 14:25:54 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0497	29.91	2.082	2.180	.0550	27.29	.0541	.5385	.2172
Stddev	.0007	.09	.001	.015	.0002	.01	.0000	.0004	.0012
%RSD	1.379	.3019	.0536	.6953	.3024	.0474	.0566	.0682	.5431
#1	.0491	29.81	2.083	2.167	.0551	27.29	.0541	.5386	.2186
#2	.0496	29.92	2.082	2.177	.0549	27.28	.0541	.5389	.2163
#3	.0504	29.99	2.081	2.197	.0548	27.31	.0541	.5381	.2168

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2683	28.45	27.49	27.47	.5486	.5511	27.78	.5410	.5061
Stddev	.0005	.06	.14	.06	.0006	.0005	.06	.0011	.0011
%RSD	.1712	.2170	.5028	.2078	.1078	.0973	.2149	.1989	.2196
#1	.2680	28.45	27.50	27.52	.5492	.5516	27.72	.5410	.5049
#2	.2688	28.39	27.63	27.50	.5485	.5511	27.79	.5399	.5061
#3	.2681	28.51	27.35	27.41	.5480	.5506	27.84	.5421	.5072

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5232	2.118	.0278	.5729	.5374	.5540	2.041	.4967	.5400
Stddev	.0037	.002	.0006	.0004	.0010	.0010	.002	.0009	.0008
%RSD	.7127	.0704	2.077	.0705	.1922	.1797	.1130	.1719	.1454
#1	.5189	2.119	.0283	.5725	.5363	.5540	2.040	.4976	.5400
#2	.5249	2.117	.0280	.5733	.5374	.5551	2.043	.4968	.5392
#3	.5258	2.120	.0272	.5729	.5384	.5531	2.039	.4959	.5408

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30078-B2 Acquired: 3/8/2016 14:25:54 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2644.9	5506.8	41235.	3162.7
Stddev	2.1	6.3	73.	19.9
%RSD	.07867	.11515	.17707	.62909
#1	2644.8	5501.1	41278.	3185.6
#2	2647.0	5505.6	41276.	3149.8
#3	2642.8	5513.6	41151.	3152.7

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2683	28.45	27.49	27.47	.5486	.5511	27.78	.5410	.5061
Stddev	.0005	.06	.14	.06	.0006	.0005	.06	.0011	.0011
%RSD	.1712	.2170	.5028	.2078	.1078	.0973	.2149	.1989	.2196
#1	.2680	28.45	27.50	27.52	.5492	.5516	27.72	.5410	.5049
#2	.2688	28.39	27.63	27.50	.5485	.5511	27.79	.5399	.5061
#3	.2681	28.51	27.35	27.41	.5480	.5506	27.84	.5421	.5072

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5232	2.118	.0278	.5729	.5374	.5540	2.041	.4967	.5400
Stddev	.0037	.002	.0006	.0004	.0010	.0010	.002	.0009	.0008
%RSD	.7127	.0704	2.077	.0705	.1922	.1797	.1130	.1719	.1454
#1	.5189	2.119	.0283	.5725	.5363	.5540	2.040	.4976	.5400
#2	.5249	2.117	.0280	.5733	.5374	.5551	2.043	.4968	.5392
#3	.5258	2.120	.0272	.5729	.5384	.5531	2.039	.4959	.5408

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: FA31748-1A Acquired: 3/8/2016 14:30:09 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0000	.0680	-0.010	.0059	-0.001	.4412	.0000	.0000	.0006
Stddev	.001	.0174	.0007	.0004	.0001	.0009	.000	.000	.0001
%RSD	1780.	25.58	70.63	6.274	94.96	1939	232.8	737.4	22.77
#1	.0004	.0822	-0.018	.0055	-0.001	.4415	-0.001	.0000	.0007
#2	.0002	.0731	-0.007	.0062	-0.002	.4418	.0000	.0000	.0004
#3	-0.0007	.0486	-0.005	.0059	.0000	.4402	.0000	.0000	.0005

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0222	.3346	.2325	.0482	.0017	.0060	9.924	.0008	.0011
Stddev	.0003	.0021	.0235	.0154	.0001	.0001	.024	.0002	.0006
%RSD	1.286	.6281	10.12	31.95	3.657	1.460	.2399	20.54	48.37
#1	.0225	.3322	.2597	.0585	.0017	.0059	9.930	.0010	.0013
#2	.0223	.3359	.2188	.0305	.0017	.0061	9.897	.0007	.0016
#3	.0219	.3358	.2190	.0556	.0016	.0059	9.943	.0007	.0005

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0015	.0010	.0766	.0165	.0018	.0032	-0.0016	-0.0001	.0234
Stddev	.0007	.0002	.0004	.0003	.0001	.0001	.0010	.0001	.0001
%RSD	47.33	19.28	.5359	1.770	3.079	2.848	60.16	122.1	.4890
#1	.0017	.0010	.0771	.0168	.0017	.0033	-0.0006	-0.0002	.0233
#2	.0022	.0008	.0766	.0164	.0018	.0032	-0.0016	.0000	.0233
#3	.0008	.0011	.0763	.0163	.0018	.0032	-0.0026	.0000	.0235

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2940.9	5690.0	43055.	3242.0
Stddev	4.2	4.7	227.	24.4
%RSD	.14313	.08241	.52652	.75164
#1	2941.4	5685.6	43100.	3214.3
#2	2936.5	5694.9	43256.	3251.7
#3	2944.8	5689.5	42809.	3260.0

Sample Name: CRIA Acquired: 3/8/2016 14:34:38 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0090	.2208	.0107	.2124	.0053	1.071	.0054	.0553	.0108
Stddev	.0002	.0085	.0010	.0012	.0001	.015	.0001	.0001	.0003
%RSD	2.178	3.859	9.435	.5577	2.038	1.394	1.628	.1085	2.656
#1	.0092	.2181	.0097	.2119	.0054	1.072	.0055	.0552	.0106
#2	.0088	.2304	.0106	.2116	.0051	1.055	.0054	.0553	.0106
#3	.0089	.2140	.0117	.2138	.0053	1.085	.0054	.0553	.0111

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0263	.3272	.1058	5.324	.0162	.0511	10.71	.0441	.0051
Stddev	.0002	.0019	.010	.010	.0000	.0002	.009	.0004	.0007
%RSD	.7672	.5954	.9562	.1858	.1670	.3020	.8202	.8843	12.97
#1	.0263	.3263	.1058	5.320	.0162	.0512	10.72	.0444	.0045
#2	.0265	.3258	.1049	5.316	.0162	.0511	10.62	.0442	.0051
#3	.0261	.3294	.1069	5.335	.0162	.0509	10.79	.0437	.0058

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0057	.0103	.0517	.0534	.0100	.0104	.0101	.0489	.0224
Stddev	.0003	.0005	.0002	.0007	.0002	.0001	.0003	.0001	.0004
%RSD	4.955	4.966	.3798	1.226	1.833	.5299	3.231	.2067	1.721
#1	.0060	.0108	.0519	.053					

Sample Name: ICSA Acquired: 3/8/2016 14:39:03 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.007	F 503.5	.0000	.0007	.0001	489.9	-0.002	.0001	.0004
Stddev	.0003	1.3	.0016	.0003	.0000	3.5	.0001	.0000	.0001
%RSD	40.23	.2677	3917.	42.10	24.61	.7183	29.34	17.13	21.15
#1	-0.007	503.0	.0018	.0010	.0002	486.1	-0.002	.0001	.0005
#2	-0.010	505.0	-0.006	.0007	.0001	493.1	-0.002	.0001	.0005
#3	-0.004	502.4	-0.011	.0004	.0002	490.3	-0.001	.0001	.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0005	183.5	.7895	F 514.0	.0005	.0001	.7654	-0.001	-0.0044
Stddev	.0003	.5	.0383	1.6	.0001	.0003	.0146	.0003	.0008
%RSD	53.76	.2676	4.974	.3062	15.90	616.9	1.905	333.8	17.46
#1	.0006	183.6	.7271	513.4	.0005	-0.001	.7488	-0.005	-0.0036
#2	.0008	184.0	.8014	515.8	.0005	-0.002	.7760	-0.002	-0.0051
#3	.0002	183.0	.7802	512.9	.0004	.0004	.7715	.0000	-0.0046
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0022	-0.011	.0274	.0032	.0002	.0005	.0023	.0006	-0.0015
Stddev	.0019	.0063	.0011	.0004	.0001	.0002	.0011	.0001	.0000
%RSD	88.61	565.9	4.068	12.32	44.91	35.86	48.86	20.13	2.554
#1	.0014	-0.057	.0261	.0035	.0002	.0005	.0027	.0007	-0.0016
#2	.0007	.0061	.0279	.0027	.0003	.0007	.0031	.0005	-0.0016
#3	.0044	-0.037	.0281	.0033	.0002	.0004	.0010	.0005	-0.0015
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2232.4	4946.7	3608.7	2895.6					
Stddev	2.9	16.1	208.	7.6					
%RSD	.13175	.32615	.57571	.26218					
#1	2233.0	4961.8	36022.	2904.4					
#2	2235.0	4948.5	36319.	2890.7					
#3	2229.2	4929.7	35919.	2891.8					

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Sample Name: ICSAB Acquired: 3/8/2016 14:43:32 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F 1.124	F 533.9	1.123	.5803	.5738	F 501.2	1.040	.5304	.5380
Stddev	.003	5.7	.003	.0023	.0024	9.2	.004	.0015	.0021
%RSD	.2520	1.064	.2527	.3999	.4207	1.833	.3468	.2809	.3880
#1	1.123	535.4	1.120	.5782	.5749	508.8	1.037	.5288	.5362
#2	1.121	527.6	1.124	.5798	.5710	491.0	1.040	.5305	.5377
#3	1.127	538.6	1.125	.5828	.5754	503.9	1.044	.5318	.5403
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5881	193.2	.0817	F 523.4	.5523	.9939	.1563	1.032	1.017
Stddev	.0007	1.1	.0040	4.1	.0016	.0036	.0055	.003	.000
%RSD	.1228	.5671	4.867	.7758	.2878	.3581	3.505	.2619	.0354
#1	.5889	193.8	.0842	526.8	.5506	.9909	.1561	1.030	1.016
#2	.5874	191.9	.0771	518.9	.5524	.9930	.1619	1.031	1.017
#3	.5879	193.9	.0838	524.3	.5538	.9979	.1509	1.035	1.017
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.062	1.061	.1168	.9422	1.034	1.006	.9642	4.981	1.043
Stddev	.003	.005	.0017	.0026	.006	.002	.0041	.0017	.003
%RSD	.3067	.5098	1.495	.2812	.5870	.1707	.4277	.3477	.2446
#1	1.062	1.055	.1187	.9391	1.034	1.006	.9600	4.974	1.041
#2	1.059	1.062	.1153	.9432	1.027	1.004	.9643	4.968	1.044
#3	1.065	1.065	.1164	.9441	1.040	1.008	.9683	5.000	1.045
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2199.3	4916.1	36595.	2920.2					
Stddev	6.1	13.9	189.	24.5					
%RSD	.27773	.28277	.51574	.83932					
#1	2202.8	4929.7	36768.	2906.2					
#2	2202.9	4916.5	36624.	2948.5					
#3	2192.3	4901.9	36393.	2905.9					

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Sample Name: CCV Acquired: 3/8/2016 14:48:01 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2524	41.22	2.031	2.073	2.027	40.05	2.071	2.089	2.041
Stddev	.0004	.17	.002	.008	.011	.24	.004	.006	.006
%RSD	.1605	.4082	.0781	.3780	.5448	.5870	.1876	.2662	.2918
#1	.2522	41.39	2.033	2.081	2.038	40.31	2.075	2.094	2.035
#2	.2521	41.06	2.030	2.065	2.016	39.87	2.067	2.083	2.041
#3	.2529	41.21	2.030	2.072	2.026	39.95	2.072	2.090	2.047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.972	40.14	40.75	39.73	2.002	2.113	40.81	2.051	1.978
Stddev	.004	.18	.19	.26	.010	.003	.13	.003	.009
%RSD	.2044	.4379	.4657	.6668	.4893	.1278	.3283	.1440	.4308
#1	1.969	40.30	40.96	40.00	1.994	2.115	40.96	2.054	1.975
#2	1.970	39.95	40.61	39.47	2.000	2.110	40.71	2.048	1.987
#3	1.977	40.15	40.67	39.71	2.013	2.114	40.77	2.052	1.971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.038	2.054	2.018	2.055	2.007	2.017	1.991	2.008	2.041
Stddev	.002	.004	.004	.001	.004	.005	.004	.004	.003
%RSD	.1186	.1730	.2116	.0557	.1782	.2566	.2280	.2185	.1368
#1	2.041	2.054	2.016	2.056	2.008	2.012	1.989	2.004	2.044
#2	2.036	2.058	2.014	2.054	2.003	2.018	1.996	2.008	2.038
#3	2.038	2.050	2.022	2.056	2.009	2.022	1.987	2.013	2.042
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 3/8/2016 14:48:01 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2516.3	5369.6	41078.	3127.1					
Stddev	1.3	16.5	136.	34.7					
%RSD	.05151	.30757	.33118	1.1085					
#1	2517.3	5363.4	41136.	3088.6					
#2	2516.8	5388.3	41176.	3137.0					
#3	2514.9	5357.0	40923.	3155.7					

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Sample Name: CCB Acquired: 3/8/2016 15:06:38 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0023	.0003	.0001	.0000	.0036	.0000	.0000	-0.0003
Stddev	.0001	.0055	.0005	.0001	.0000	.0021	.000	.000	.0000
%RSD	113.3	236.9	167.0	109.9	86.31	60.04	103.6	417.6	9.885
#1	-.0002	.0070	-.0002	.0000	.0001	.0013	.0000	-.0001	-.0003
#2	-.0002	-.0037	.0003	.0001	.0000	.0056	.0000	.0000	-.0003
#3	.0000	.0037	.0008	.0002	.0000	.0038	.0000	.0000	-.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.003	.0500	.0042	.0000	-0.004	.0225	.0000	.0003
Stddev	.0000	.0028	.0394	.0231	.000	.0002	.0110	.0001	.0001
%RSD	19.87	108.7	78.88	544.7	32.71	36.73	48.65	323.6	58.26
#1	-.0001	.0008	.0453	.0223	.0000	-.0005	.0350	-.0001	.0003
#2	-.0002	.0019	.0131	.0123	.0000	-.0005	.0184	.0001	.0001
#3	-.0002	-.0035	.0916	-.0218	.0000	-.0002	.0142	.0001	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	.0011	.0032	.0000	.0000	-0.0002	-0.0012	-0.0001	.0003
Stddev	.0002	.0006	.0023	.0001	.000	.0000	.0007	.0001	.0001
%RSD	150.8	53.57	70.94	530.6	268.3	23.93	54.89	44.44	35.91
#1	-.0004	.0014	.0058	.0001	-.0001	-.0002	-.0005	-.0002	.0002
#2	.0001	.0004	.0018	.0000	.0000	-.0002	-.0017	-.0001	.0004
#3	-.0002	.0014	.0019	-.0001	.0000	-.0001	-.0015	-.0001	.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/8/2016 15:06:38 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2931.4	5602.9	42297.	3130.3
Stddev	18.1	17.4	88.	6.0
%RSD	.61869	.31139	.20745	.19079
#1	2945.4	5610.8	42377.	3133.5
#2	2937.9	5614.9	42310.	3134.0
#3	2910.9	5582.9	42203.	3123.4

7.1
7

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000011	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000083	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000059	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000086	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000011	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000013	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000157	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	0.000006	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000030	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000106	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000023	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	0.000004	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000035	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	0.000002	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000016	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.000208	0.569725	0.000000	1.000000
Al 396.152 { 85}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.000225	0.209272	0.000000	1.000000
As 189.042 {478}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.000629	0.191384	0.000000	1.000000
Ba 455.403 { 74}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.000901	7.844959	0.000000	1.000000
Be 313.042 {108}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.000099	12.042352	0.000000	1.000000
Ca 317.933 {106}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.002176	0.274332	0.000000	1.000000
Cd 226.502 {449}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.001141	4.995575	0.000000	1.000000
Co 228.616 {447}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.000595	2.575856	0.000000	1.000000
Cr 267.716 {126}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.000123	0.564929	0.000000	1.000000
Cu 324.754 {104}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.001572	0.845090	0.000000	1.000000
Fe 259.940 {130}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.001312	0.178117	0.000000	1.000000
In 230.606 {446}*	3/8/2016 10:16:28	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.007234	0.100860	0.000000	1.000000
Mg 279.079 {121}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.000026	0.028221	0.000000	1.000000
Mn 257.610 {131}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.000630	2.667606	0.000000	1.000000
Mo 202.030 {467}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.001060	1.103115	0.000000	1.000000
Na 589.592 { 57}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.020254	0.404153	0.000000	1.000000
Ni 231.604 {445}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.000113	1.641345	0.000000	1.000000
Pb 220.353 {453}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.000360	0.935716	0.000000	1.000000
Sb 206.833 {463}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.000644	0.254856	0.000000	1.000000
Se 196.090 {472}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.000761	0.132117	0.000000	1.000000
Si 212.412 {459}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.005487	0.311988	0.000000	1.000000
Sn 189.989 {477}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.000254	0.414169	0.000000	1.000000
Sr 407.771 { 83}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.001644	16.549146	0.000000	1.000000
Ti 334.941 {101}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.001428	2.196280	0.000000	1.000000
Tl 190.856 {477}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.000843	0.312631	0.000000	1.000000
V 292.402 {115}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.000742	0.799231	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.000925	2.742867	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999315	0.000203	0.000398	0.001328	OK	1.000000	0.000000	1	0
Al 396.152 {85}	0.999901	0.004758	0.010176	0.033919	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999791	0.000315	0.000748	0.002495	OK	1.000000	0.000000	1	0
Ba 455.403 {74}	0.999876	0.009964	0.000340	0.001133	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999988	0.004775	0.000073	0.000243	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999835	0.008020	0.003690	0.012299	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999995	0.001270	0.000046	0.000152	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999996	0.000569	0.000099	0.000329	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999948	0.000463	0.000253	0.000843	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999987	0.000345	0.000251	0.000838	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999704	0.006981	0.002912	0.009707	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 {44}	0.999941	0.001772	0.035870	0.119565	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999835	0.000825	0.023499	0.078331	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999889	0.003198	0.000044	0.000146	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999944	0.000942	0.000133	0.000445	OK	1.000000	0.000000	1	0
Na 589.592 {57}	0.999907	0.008887	0.009462	0.031540	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	1.000000	0.000099	0.000157	0.000525	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999671	0.001940	0.000534	0.001780	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999853	0.000351	0.000917	0.003058	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999841	0.000190	0.001614	0.005380	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.999800	0.000503	0.000517	0.001723	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999945	0.000351	0.000295	0.000983	OK	1.000000	0.000000	1	0
Sr 407.771 {83}	0.999966	0.011067	0.000103	0.000344	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999884	0.002690	0.000098	0.000327	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999871	0.000406	0.000899	0.002997	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999955	0.000600	0.000227	0.000758	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 {94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 {91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999997	0.000513	0.000062	0.000207	OK	1.000000	0.000000	1	0

Sample Name: Blank Acquired: 4/6/2016 12:31:45 Type: Cal
Method: 60102007_042011(v46) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.001	0.008	-0.008	0.032	0.004	0.022	-0.012	-0.006	-0.001
Stddev	.0001	.0009	.0002	.0012	.0002	.0006	.0002	.0001	.0000
%RSD	158.4	113.0	19.52	39.47	44.61	28.92	18.38	15.64	16.87
#1	-0.001	.0002	-0.007	.0045	.0002	.0020	-0.009	-0.005	.0000
#2	-0.001	.0018	-0.010	.0028	.0006	.0016	-0.014	-0.007	-0.001
#3	.0000	.0003	-0.007	.0021	.0004	.0029	-0.013	-0.007	-0.001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.062	0.010	-0.043	-0.002	0.006	0.005	-0.021	0.000	-0.005
Stddev	.0001	.0002	.0006	.0004	.0002	.0001	.0017	.0001	.0001
%RSD	1.528	19.64	14.95	239.9	28.19	17.72	82.29	3050.	24.31
#1	.0061	.0012	-0.038	.0003	.0004	.0004	-0.015	.0000	-0.005
#2	.0062	.0011	-0.050	-0.004	.0006	.0005	-0.040	-0.001	-0.006
#3	.0062	.0008	-0.040	-0.004	.0008	.0006	-0.007	.0002	-0.004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.006	-0.006	0.049	-0.002	-0.009	0.011	-0.010	-0.005	0.008
Stddev	.0002	.0001	.0002	.0000	.0006	.0001	.0003	.0001	.0001
%RSD	26.90	19.12	3.148	20.90	63.59	6.395	33.78	12.60	10.90
#1	.0008	-0.007	.0049	.0002	-0.003	.0011	-0.013	-0.006	.0009
#2	.0004	-0.006	.0051	.0002	-0.012	.0011	-0.011	-0.006	.0007
#3	.0006	-0.005	.0048	.0002	-0.014	.0010	-0.006	-0.005	.0008
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2591.1	4979.4	42096.	4859.9					
Stddev	2.0	8.9	53.	38.3					
%RSD	.07860	.17795	.12604	.78728					
#1	2593.4	4985.4	42072.	4889.4					
#2	2589.6	4983.6	42156.	4816.7					
#3	2590.3	4969.2	42058.	4873.6					

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Sample Name: LowStd Acquired: 4/6/2016 12:40:04 Type: Cal
Method: 60102007_042011(v46) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.026	2.088	0.846	3.951	4.928	2.451	2.333	1.239	2.599
Stddev	.0004	.010	.0000	.004	.014	.008	.003	.002	.0001
%RSD	1.084	4.884	.0476	.1103	.2916	.3210	.1352	.1561	.0553
#1	.0323	2.093	.0846	3.956	4.934	2.460	2.332	1.241	2.599
#2	.0327	2.076	.0846	3.948	4.938	2.451	2.331	1.237	2.600
#3	.0330	2.094	.0846	3.948	4.912	2.444	2.337	1.241	2.597
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.146	1.651	1.005	2.162	1.483	5.182	4.076	7.949	3.974
Stddev	.0007	.005	.004	.0002	.003	.0018	.007	.0012	.0013
%RSD	.1777	.2970	.3437	.1138	.2191	.3407	.1694	.1449	.3227
#1	4.144	1.656	1.006	2.164	1.480	5.190	4.081	7.947	3.959
#2	4.140	1.646	1.007	2.163	1.485	5.162	4.077	7.939	3.981
#3	4.155	1.652	1.001	2.159	1.486	5.194	4.068	7.962	3.981
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.223	0.577	1.881	1.839	8.300	1.062	1.317	3.626	1.178
Stddev	.0005	.0001	.0006	.0006	.026	.003	.0002	.0002	.002
%RSD	.4013	.1242	.3419	.3421	.3085	.2720	.1603	.0419	.1691
#1	1.218	.0578	1.888	1.846	8.327	1.061	1.317	3.627	1.178
#2	1.224	.0577	1.881	1.835	8.295	1.061	1.315	3.624	1.176
#3	1.228	.0577	1.875	1.835	8.277	1.066	1.319	3.625	1.180
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2495.5	5013.2	41611.	4880.9					
Stddev	2.7	10.8	126.	20.3					
%RSD	.10720	.21638	.30201	.41558					
#1	2497.4	5005.6	41677.	4864.5					
#2	2496.8	5025.6	41690.	4903.6					
#3	2492.5	5008.4	41466.	4874.6					

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7.2
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Sample Name: MidStd Acquired: 4/6/2016 12:43:35 Type: Cal
Method: 60102007_042011(v46) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.134	8.033	3.562	16.39	20.16	9.368	9.454	5.034	1.040
Stddev	.0008	.026	.0011	.04	.03	.047	.020	.008	.002
%RSD	.5683	3.223	.3109	.2176	.1421	.4961	.2134	.1630	.2319
#1	1.132	8.013	3.551	16.41	20.16	9.347	9.431	5.025	1.038
#2	1.129	8.062	3.563	16.35	20.18	9.421	9.469	5.041	1.040
#3	1.143	8.024	3.573	16.41	20.12	9.335	9.460	5.035	1.043
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.678	5.961	3.883	8.351	5.922	2.110	15.79	3.196	1.666
Stddev	.003	.021	.004	.0073	.012	.005	.02	.003	.003
%RSD	.1528	.3483	.0938	.8754	.2056	.2205	.1490	.0926	.1734
#1	1.677	5.950	3.883	8.293	5.909	2.104	15.80	3.193	1.663
#2	1.676	5.985	3.887	8.433	5.926	2.112	15.76	3.199	1.669
#3	1.681	5.948	3.879	8.326	5.932	2.113	15.79	3.197	1.666
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5.120	2.426	8.982	7.363	33.75	4.302	5.515	1.461	4.713
Stddev	.0006	.0008	.0010	.0009	.07	.005	.0002	.002	.012
%RSD	.1269	.3168	.1162	.1272	.2038	.1106	.0281	.1489	.2487
#1	5.113	2.417	8.984	7.356	33.83	4.297	5.514	1.458	4.703
#2	5.121	2.431	8.970	7.374	33.71	4.301	5.517	1.461	4.726
#3	5.125	2.430	8.991	7.361	33.71	4.307	5.514	1.463	4.710
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2297.9	4830.6	40583.	4805.3					
Stddev	1.0	4.1	191.	35.2					
%RSD	.04442	.08461	.47111	.73321					
#1	2298.6	4834.8	40752.	4810.4					
#2	2296.8	4826.7	40621.	4767.8					
#3	2298.5	4830.4	40375.	4837.7					

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Sample Name: HighStd Acquired: 4/6/2016 12:47:08 Type: Cal
Method: 60102007_042011(v46) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.637	15.85	7.280	32.47	39.29	18.17	18.73	10.08	2.016
Stddev	.0011	.04	.0026	.06	.09	.11	.01	.01	.006
%RSD	.4143	.2776	.3546	.1780	.2387	.6085	.0680	.0756	.2877
#1	2.639	15.88	7.250	32.54	39.38	18.25	18.73	10.07	2.021
#2	2.647	15.88	7.297	32.45	39.30	18.21	18.75	10.09	2.017
#3	2.625	15.80	7.292	32.43	39.19	18.04	18.72	10.08	2.010
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.363	11.83	7.643	1.642	11.28	4.220	31.05	6.340	3.382
Stddev	.010	.04	.016	.011	.07	.006	.06	.007	.007
%RSD	.2938	.3350	.2047	.6664	.5782	.1543	.2029	.1087	.2111
#1	3.364	11.86	7.658	1.648	11.27	4.215	31.10	6.340	3.382
#2	3.353	11.84	7.644	1.648	11.22	4.227	31.06	6	

Sample Name: HSTD Acquired: 4/6/2016 12:51:04 Type: QC
 Method: 60102007_042011(v46) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4895	78.69	3.935	3.901	3.914	77.66	3.894	3.907	3.892
Stddev	.0015	.47	.017	.029	.018	.28	.008	.010	.013
%RSD	.2966	.5925	.4228	.7363	.4464	.3563	.1984	.2608	.3304
#1	.4912	79.03	3.929	3.930	3.930	77.92	3.901	3.915	3.877
#2	.4887	78.16	3.954	3.872	3.895	77.37	3.895	3.910	3.901
#3	.4886	78.87	3.922	3.902	3.916	77.68	3.886	3.895	3.898

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 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.945	78.54	77.89	79.34	3.847	3.908	77.79	3.893	3.951
Stddev	.011	.29	.41	.04	.031	.010	.52	.004	.007
%RSD	.2879	.3714	.5290	.0492	.8044	.2540	.6722	.0984	.1665
#1	3.958	78.76	78.26	79.38	3.851	3.914	78.28	3.895	3.953
#2	3.941	78.21	77.44	79.33	3.876	3.914	77.24	3.895	3.943
#3	3.937	78.66	77.96	79.30	3.815	3.897	77.84	3.888	3.956

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.932	3.931	3.662	3.877	3.877	3.880	3.930	3.882	3.894
Stddev	.008	.014	.008	.003	.030	.012	.004	.017	.003
%RSD	.2005	.3432	.2252	.0715	.7657	.3199	.0897	.4469	.0747
#1	3.934	3.927	3.665	3.880	3.891	3.874	3.934	3.872	3.897
#2	3.939	3.946	3.668	3.876	3.898	3.872	3.928	3.902	3.891
#3	3.923	3.919	3.653	3.875	3.843	3.894	3.928	3.872	3.893

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 4/6/2016 12:51:04 Type: QC
 Method: 60102007_042011(v46) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2145.3	4649.0	4003.3	4777.6
Stddev	.6	13.5	81.	4.8
%RSD	.02565	.29016	.20357	.10056
#1	2144.7	4641.7	4004.7	4772.7
#2	2145.8	4640.8	3994.6	4782.3
#3	2145.3	4664.6	4010.7	4777.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.945	78.54	77.89	79.34	3.847	3.908	77.79	3.893	3.951
Stddev	.011	.29	.41	.04	.031	.010	.52	.004	.007
%RSD	.2879	.3714	.5290	.0492	.8044	.2540	.6722	.0984	.1665
#1	3.958	78.76	78.26	79.38	3.851	3.914	78.28	3.895	3.953
#2	3.941	78.21	77.44	79.33	3.876	3.914	77.24	3.895	3.943
#3	3.937	78.66	77.96	79.30	3.815	3.897	77.84	3.888	3.956

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.932	3.931	3.662	3.877	3.877	3.880	3.930	3.882	3.894
Stddev	.008	.014	.008	.003	.030	.012	.004	.017	.003
%RSD	.2005	.3432	.2252	.0715	.7657	.3199	.0897	.4469	.0747
#1	3.934	3.927	3.665	3.880	3.891	3.874	3.934	3.872	3.897
#2	3.939	3.946	3.668	3.876	3.898	3.872	3.928	3.902	3.891
#3	3.923	3.919	3.653	3.875	3.843	3.894	3.928	3.872	3.893

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 4/6/2016 12:57:53 Type: QC
 Method: 60102007_042011(v46) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2392	40.94	1.944	2.042	2.037	42.49	1.989	1.983	2.003
Stddev	.0008	.02	.005	.002	.003	.18	.003	.003	.006
%RSD	.3451	.0433	.2788	.0856	.1239	.4199	.1689	.1436	.2803
#1	.2386	40.94	1.938	2.044	2.035	42.35	1.987	1.981	2.008
#2	.2401	40.96	1.948	2.041	2.040	42.69	1.987	1.982	2.004
#3	.2388	40.92	1.946	2.041	2.036	42.44	1.993	1.987	1.997

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.958	41.99	41.99	42.67	2.063	1.891	42.17	2.005	1.977
Stddev	.004	.10	.02	.07	.007	.005	.07	.002	.004
%RSD	.2302	.2300	.0487	.1758	.3201	.2778	.1581	.0936	.1991
#1	1.961	41.89	41.97	42.60	2.068	1.887	42.18	2.003	1.980
#2	1.959	42.08	41.98	42.75	2.066	1.890	42.23	2.005	1.979
#3	1.952	41.99	42.01	42.65	2.056	1.897	42.09	2.007	1.973

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.955	1.969	1.268	2.031	1.951	1.956	2.035	1.902	2.024
Stddev	.006	.005	.0010	.001	.001	.005	.005	.004	.004
%RSD	.2956	.2427	.7701	.0558	.0275	.2749	.2392	.1900	.1719
#1	1.950	1.967	.1277	2.032	1.950	1.959	2.031	1.903	2.027
#2	1.954	1.965	.1269	2.030	1.951	1.960	2.040	1.905	2.020
#3	1.961	1.974	.1257	2.031	1.951	1.950	2.035	1.898	2.025

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 4/6/2016 12:57:53 Type: QC
 Method: 60102007_042011(v46) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2293.6	4822.6	4067.5	4769.0
Stddev	7.0	16.7	50.	5.1
%RSD	.30558	.34590	.12321	.10723
#1	2301.6	4841.1	4062.4	4768.4
#2	2289.0	4818.1	4072.4	4764.2
#3	2290.0	4808.6	4067.7	4774.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.958	41.99	41.99	42.67	2.063	1.891	42.17	2.005	1.977
Stddev	.004	.10	.02	.07	.007	.005	.07	.002	.004
%RSD	.2302	.2300	.0487	.1758	.3201	.2778	.1581	.0936	.1991
#1	1.961	41.89	41.97	42.60	2.068	1.887	42.18	2.003	1.980
#2	1.959	42.08	41.98	42.75	2.066	1.890	42.23	2.005	1.979
#3	1.952	41.99	42.01	42.65	2.056	1.897	42.09	2.007	1.973

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.955	1.969	1.268	2.031	1.951	1.956	2.035	1.902	2.024
Stddev	.006	.005	.0010	.001	.001	.005	.005	.004	.004
%RSD	.2956	.2427	.7701	.0558	.0275	.2749	.2392	.1900	.1719
#1	1.950	1.967	.1277	2.032	1.950	1.959	2.031	1.903	2.027
#2	1.954	1.965	.1269	2.030	1.951	1.960	2.040	1.905	2.020
#3	1.961	1.974	.1257	2.031	1.951	1.950	2.035	1.898	2.025

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICB Acquired: 4/6/2016 13:05:23 Type: QC
 Method: 60102007_042011(v46) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-0.0026	.0006	.0000	.0000	-0.0008	.0000	.0000	-0.0002
Stddev	.0001	.0038	.0004	.000	.0000	.0009	.0000	.0001	.0001
%RSD	36.02	143.6	71.47	271.8	30.77	107.8	72.26	371.3	42.30
#1	.0003	-.0051	.0004	.0000	.0000	-.0017	.0000	-.0001	-.0002
#2	.0002	.0017	.0003	-.0001	.0000	-.0010	.0000	.0000	-.0003
#3	.0001	-.0044	.0011	.0001	.0000	.0001	.0001	.0001	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0036	.0714	-.0138	.0000	.0009	.0069	-.0002	.0009
Stddev	.000	.0012	.0121	.0146	.000	.0001	.0056	.0001	.0002
%RSD	684.5	33.71	17.01	105.5	40.03	8.754	81.07	35.75	24.74
#1	.0000	.0046	.0759	.0024	-.0001	.0009	.0013	-.0002	.0008
#2	-.0002	.0023	.0806	-.0178	.0000	.0009	.0125	-.0001	.0012
#3	.0001	.0038	.0576	-.0259	.0000	.0008	.0069	-.0002	.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	-.0018	-.0008	.0003	.0001	.0008	.0002	-.0001	-.0001
Stddev	.0005	.0004	.0003	.0006	.0000	.0001	.0006	.0001	.0001
%RSD	89.04	20.25	37.93	192.1	12.25	6.976	233.5	106.2	89.83
#1	-.0008	-.0021	-.0006	.0006	.0001	.0008	-.0003	-.0001	-.0001
#2	-.0008	-.0014	-.0011	-.0004	.0001	.0007	.0008	-.0001	.0000
#3	.0000	-.0018	-.0005	.0007	.0001	.0008	.0003	.0000	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 4/6/2016 13:05:23 Type: QC
 Method: 60102007_042011(v46) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2573.2	4926.5	4154.3	4794.0
Stddev	4.6	13.2	70.	19.8
%RSD	.18042	.26764	.16924	.41321
#1	2575.8	4931.4	4161.8	4791.9
#2	2575.9	4911.6	4153.3	4814.7
#3	2567.8	4936.5	4147.9	4775.2

7.2
7

Sample Name: CRIA Acquired: 4/6/2016 13:13:57 Type: QC
 Method: 60102007_042011(v46) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0092	.2118	.0103	.2101	.0053	1.107	.0056	.0547	.0110
Stddev	.0002	.0081	.0001	.0004	.0000	.003	.0000	.0001	.0001
%RSD	2.090	3.828	1.126	.1978	.2072	2.301	.1936	.1498	.7411
#1	.0092	.2210	.0102	.2098	.0053	1.110	.0055	.0547	.0110
#2	.0090	.2056	.0103	.2099	.0053	1.107	.0056	.0546	.0109
#3	.0094	.2088	.0105	.2106	.0052	1.105	.0055	.0547	.0111

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0270	.3275	10.53	5.357	.0170	.0514	10.55	.0440	.0059
Stddev	.0004	.0035	.05	.029	.0001	.0000	.04	.0001	.0004
%RSD	1.410	1.079	4.864	.5377	.6333	.0869	.3825	.2816	6.548
#1	.0267	.3269	10.58	5.389	.0169	.0514	10.60	.0442	.0057
#2	.0275	.3243	10.48	5.334	.0170	.0515	10.53	.0439	.0064
#3	.0269	.3313	10.52	5.348	.0171	.0514	10.53	.0440	.0057

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046	.0110	.0314	.0539	.0107	.0107	.0093	.0512	.0236
Stddev	.0007	.0006	.0002	.0002	.0001	.0001	.0012	.0002	.0001
%RSD	14.98	5.559	6.485	.4557	.8612	1.026	12.54	.3219	4.281
#1	.0049	.0114	.0316	.0540	.0107	.0106	.0096	.0513	.0237
#2	.0038	.0114	.0315	.0536	.0107	.0106	.0080	.0512	.0235
#3	.0050	.0103	.0312	.0540	.0105	.0108	.0103	.0510	.0236

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 4/6/2016 13:13:57 Type: QC
 Method: 60102007_042011(v46) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2546.3	4977.4	4183.3	4867.7
Stddev	2.8	13.3	51.	16.9
%RSD	.11188	.26729	.12103	.34720
#1	2549.6	4992.7	4184.6	4849.9
#2	2544.8	4971.2	4187.5	4869.6
#3	2544.5	4968.3	4177.7	4883.5

Sample Name: ICSEA Acquired: 4/6/2016 13:21:28 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	501.2	.0009	-0.001	-0.001	471.8	.0000	-0.002	-0.001
Stddev	.0001	8.1	.0015	.0001	.0001	3.1	.0001	.0001	.0002
%RSD	38.81	1.617	178.3	137.3	63.21	.6669	265.5	38.71	337.3
#1	-0.001	497.4	-0.005	-0.001	-0.001	468.5	.0001	-0.003	.0002
#2	-0.002	510.5	.0025	.0000	-0.001	474.8	-0.001	-0.003	-0.002
#3	-0.002	495.8	.0005	-0.001	.0000	472.0	.0000	-0.001	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	180.7	.1558	519.9	-0.001	.0001	.1376	.0001	-0.003
Stddev	.000	.7	.0063	1.9	.0000	.0001	.0062	.0001	.0002
%RSD	633.4	.3643	4.062	.3712	63.49	161.4	4.529	153.1	88.05
#1	.0002	181.0	.1569	521.3	.0000	.0001	.1314	.0002	-0.001
#2	-0.004	181.1	.1490	520.8	.0000	.0001	.1439	.0000	-0.001
#3	.0001	179.9	.1615	517.7	-0.001	.0000	.1375	.0000	-0.005

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0000	.0672	F .0013	.0003	.0005	.0000	.0001	-0.0031
Stddev	.0027	.0032	.0012	.0006	.0001	.0001	.0031	.0001	.0004
%RSD	1107.0	7492.	1.809	46.17	17.08	14.69	6995.	101.0	12.56
#1	-0.0028	-0.0019	.0667	.0014	.0004	.0005	.0036	.0001	-0.0030
#2	.0026	.0037	.0686	.0006	.0003	.0006	-0.0015	.0002	-0.0035
#3	.0003	-0.0018	.0663	.0018	.0003	.0005	-0.0019	.0000	-0.0027

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0000	.0672	F .0013	.0003	.0005	.0000	.0001	-0.0031
Stddev	.0027	.0032	.0012	.0006	.0001	.0001	.0031	.0001	.0004
%RSD	1107.0	7492.	1.809	46.17	17.08	14.69	6995.	101.0	12.56
#1	-0.0028	-0.0019	.0667	.0014	.0004	.0005	.0036	.0001	-0.0030
#2	.0026	.0037	.0686	.0006	.0003	.0006	-0.0015	.0002	-0.0035
#3	.0003	-0.0018	.0663	.0018	.0003	.0005	-0.0019	.0000	-0.0027

Sample Name: ICSEA Acquired: 4/6/2016 13:21:28 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2075.7	4485.1	37406.	4546.4
Stddev	3.6	11.7	66.	18.2
%RSD	.17308	.26088	.17544	.39923
#1	2076.9	4471.7	37448.	4534.9
#2	2071.7	4490.4	37439.	4537.0
#3	2078.6	4493.2	37330.	4567.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0000	.0672	F .0013	.0003	.0005	.0000	.0001	-0.0031
Stddev	.0027	.0032	.0012	.0006	.0001	.0001	.0031	.0001	.0004
%RSD	1107.0	7492.	1.809	46.17	17.08	14.69	6995.	101.0	12.56
#1	-0.0028	-0.0019	.0667	.0014	.0004	.0005	.0036	.0001	-0.0030
#2	.0026	.0037	.0686	.0006	.0003	.0006	-0.0015	.0002	-0.0035
#3	.0003	-0.0018	.0663	.0018	.0003	.0005	-0.0019	.0000	-0.0027

Sample Name: ICSAB Acquired: 4/6/2016 13:29:05 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.001	496.5	1.063	.5001	.4967	473.1	.9210	.4584	.4923
Stddev	.002	4.2	.006	.0016	.0024	1.7	.0009	.0012	.0039
%RSD	.2426	.8538	.5319	.3176	.4917	.3562	.0948	.2534	.7882
#1	1.000	497.6	1.057	.5007	.4939	471.8	.9204	.4571	.4904
#2	.9993	491.8	1.062	.5013	.4983	472.4	.9206	.4588	.4897
#3	1.004	500.1	1.069	.4983	.4979	475.0	.9220	.4593	.4967

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5286	180.8	.0995	524.2	.4915	.9198	.1367	.9173	.9287
Stddev	.0008	.4	.0302	2.6	.0028	.0030	.0025	.0019	.0010
%RSD	.1544	.2376	30.38	.4869	.5625	.3306	1.821	.2038	.1107
#1	.5286	180.6	.0748	523.7	.4909	.9165	.1339	.9158	.9298
#2	.5293	180.5	.0905	521.9	.4891	.9205	.1376	.9167	.9286
#3	.5277	181.3	.1332	526.9	.4945	.9225	.1386	.9194	.9277

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.001	.9975	.1106	.9231	1.010	.9934	.9440	.4571	.9211
Stddev	.004	.0114	.0008	.0026	.002	.0030	.0068	.0027	.0013
%RSD	.4403	1.146	.6881	.2824	.1890	.3030	.7152	.5902	.1415
#1	.9996	.9873	.1104	.9225	1.008	.9936	.9395	.4561	.9215
#2	.9977	.9952	.1100	.9208	1.012	.9903	.9407	.4550	.9197
#3	1.006	1.010	.1115	.9259	1.010	.9963	.9518	.4601	.9222

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.001	.9975	.1106	.9231	1.010	.9934	.9440	.4571	.9211
Stddev	.004	.0114	.0008	.0026	.002	.0030	.0068	.0027	.0013
%RSD	.4403	1.146	.6881	.2824	.1890	.3030	.7152	.5902	.1415
#1	.9996	.9873	.1104	.9225	1.008	.9936	.9395	.4561	.9215
#2	.9977	.9952	.1100	.9208	1.012	.9903	.9407	.4550	.9197
#3	1.006	1.010	.1115	.9259	1.010	.9963	.9518	.4601	.9222

Sample Name: ICSAB Acquired: 4/6/2016 13:29:05 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2037.5	4480.5	37167.	4499.3
Stddev	1.7	7.4	115.	21.0
%RSD	.08321	.16517	.30968	.46735
#1	2038.9	4489.0	37139.	4491.7
#2	2035.6	4475.5	37294.	4523.0
#3	2038.0	4477.0	37069.	4483.1

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.001	.9975	.1106	.9231	1.010	.9934	.9440	.4571	.9211
Stddev	.004	.0114	.0008	.0026	.002	.0030	.0068	.0027	.0013
%RSD	.4403	1.146	.6881	.2824	.1890	.3030	.7152	.5902	.1415
#1	.9996	.9873	.1104	.9225	1.008	.9936	.9395	.4561	.9215
#2	.9977	.9952	.1100	.9208	1.012	.9903	.9407	.4550	.9197
#3	1.006	1.010	.1115	.9259	1.010	.9963	.9518	.4601	.9222

Sample Name: CCV Acquired: 4/6/2016 13:35:47 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.251	40.64	2.006	2.004	2.040	40.56	2.044	2.036	2.053
Stddev	.0010	.04	.003	.002	.004	.03	.003	.002	.011
%RSD	.3793	.0951	.1623	.1124	.2225	.0658	.1391	.1094	.5343
#1	.2554	40.68	2.008	2.006	2.037	40.53	2.047	2.038	2.043
#2	.2559	40.61	2.002	2.002	2.045	40.57	2.042	2.036	2.065
#3	.2541	40.62	2.007	2.003	2.037	40.58	2.042	2.034	2.051

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.022	40.25	40.53	41.17	2.064	2.038	40.46	2.034	2.000
Stddev	.006	.02	.15	.04	.015	.001	.03	.003	.002
%RSD	.2877	.0490	.3714	.0909	.7017	.0570	.0651	.1208	.0908
#1	2.015	40.23	40.54	41.12	2.047	2.037	40.49	2.037	1.998
#2	2.025	40.25	40.38	41.18	2.074	2.039	40.46	2.034	1.999
#3	2.026	40.27	40.68	41.20	2.069	2.037	40.44	2.032	2.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.998	2.008	2.270	2.033	2.040	2.043	2.007	2.026	2.048
Stddev	.001	.004	.003	.003	.003	.007	.007	.004	.005
%RSD	.0621	.2013	.1165	.1671	.1234	.3587	.3755	.1713	.2679
#1	1.997	2.010	2.269	2.036	2.040	2.034	2.002	2.023	2.055
#2	1.999	2.003	2.273	2.029	2.043	2.048	2.003	2.030	2.044
#3	1.997	2.009	2.268	2.033	2.038	2.046	2.016	2.027	2.046

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/6/2016 13:35:47 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2305.7	4806.2	40771.1	4765.0
Stddev	2.7	6.6	258.	12.1
%RSD	.11571	.13680	.63398	.25486
#1	2308.5	4804.0	41054.	4767.4
#2	2303.2	4801.0	40711.	4751.9
#3	2305.3	4813.6	40547.	4775.8

Sample Name: CCB Acquired: 4/6/2016 13:41:52 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.054	0.003	0.002	0.001	0.073	0.001	0.002	-0.001
Stddev	.0003	.0064	.0004	.0001	.0000	.0022	.0000	.0000	.0000
%RSD	283.7	118.7	103.7	66.56	28.90	29.95	17.09	29.20	53.96
#1	-0.002	-0.017	-0.006	-0.003	-0.001	-0.057	-0.001	-0.002	-0.001
#2	-0.002	-0.072	-0.001	-0.001	-0.001	-0.098	-0.001	-0.001	-0.001
#3	-0.003	-0.107	-0.004	-0.001	-0.001	-0.064	-0.002	-0.002	-0.000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.090	0.032	-0.0279	0.001	0.009	0.025	-0.001	0.007
Stddev	.0000	.0014	.0281	.0146	.0000	.0001	.0032	.0001	.0002
%RSD	80.45	15.45	84.72	52.40	16.79	13.31	130.1	169.1	30.92
#1	-0.001	0.104	0.498	-0.444	0.001	0.010	0.003	0.000	0.008
#2	-0.001	0.089	0.490	-0.233	0.001	0.008	0.062	-0.001	0.008
#3	0.000	0.077	0.007	-0.162	0.001	0.008	0.010	0.000	0.004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.001	-0.011	0.004	0.002	0.005	-0.005	0.001	0.001
Stddev	.0009	.0010	.0002	.0005	.0001	.0001	.0007	.0002	.0001
%RSD	176.2	943.0	21.72	111.1	30.59	18.81	130.9	258.4	118.4
#1	.010	-0.010	-0.013	.0010	.0002	.0006	-0.013	-0.002	.0001
#2	-0.004	0.005	-0.012	0.001	0.003	0.004	-0.002	0.002	0.000
#3	-0.007	0.008	-0.009	0.002	0.002	0.005	-0.001	0.002	0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/6/2016 13:41:52 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2618.2	5001.1	41936.	4780.9
Stddev	6.5	6.3	106.	34.2
%RSD	.24829	.12580	.25276	.71636
#1	2618.0	5000.5	41987.	4742.5
#2	2611.9	4995.1	41814.	4791.8
#3	2624.9	5007.6	42007.	4808.4

Sample Name: MP30212-MB1 Acquired: 4/6/2016 13:45:49 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.101	-0.023	0.009	-0.001	0.476	-0.001	-0.001	0.002
Stddev	.0001	.0049	.0003	.0002	.0000	.0041	.0000	.0001	.0003
%RSD	49.00	48.11	11.90	22.36	30.98	8.632	19.65	58.81	110.0

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.001	0.364	0.411	0.019	0.005	0.008	0.065	-0.001	0.004
Stddev	.0001	.0025	.0165	.0113	.0000	.0000	.0042	.0001	.0005
%RSD	125.0	6.963	40.24	591.2	.5790	4.724	64.75	174.1	123.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.003	-0.007	0.107	0.206	0.001	0.007	-0.021	0.000	0.004
Stddev	.0006	.0004	.0003	.0004	.0000	.0001	.0004	.000	.0000
%RSD	204.6	59.43	3.043	1.804	14.09	12.64	19.74	1128.	4.762

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30212-MB1 Acquired: 4/6/2016 13:45:49 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2642.8	5019.0	43041.	4821.5
Stddev	3.2	8.5	207.	18.1
%RSD	.12030	.17016	.48202	.37537

#1 2642.0 5021.9 42825. 4804.5
 #2 2640.2 5009.3 43061. 4819.5
 #3 2646.4 5025.6 43238. 4840.5

Sample Name: MP30212-B1 Acquired: 4/6/2016 13:50:21 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.458	28.86	1.937	2.038	0.527	26.98	0.509	5.097	2.113
Stddev	.0006	.08	.006	.011	.0002	.08	.0001	.0006	.0009
%RSD	1.366	2832	2951	5323	4073	3114	1219	1114	4095

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2615	28.49	26.52	27.58	5.332	5.236	26.63	5.135	4.705
Stddev	.0005	.10	.10	.25	.0020	.0006	.11	.0004	.0012
%RSD	.1846	.3622	.3727	.9171	.3816	.1153	4.119	.0808	.2469

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4854	1.942	0.197	5.370	5.134	5.282	1.865	4.946	5.145
Stddev	.0022	.004	.0001	.0011	.0033	.0012	.002	.0026	.0012
%RSD	.4625	2235	.5480	.2046	.6419	.2221	.0998	.5244	.2265

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30212-B1 Acquired: 4/6/2016 13:50:21 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2447.5	4884.8	41417.	4758.9
Stddev	3.4	9.4	83.	28.0
%RSD	.13977	.19217	.20013	.58866

#1 2443.9 4879.1 41404. 4739.7
 #2 2450.7 4895.7 41341. 4791.1
 #3 2447.9 4879.7 41505. 4746.0

Sample Name: FA32465-10 Acquired: 4/6/2016 13:54:33 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	2354	584.9	6492	F 220.6	.0013	1837.	.5181	.3270	13.20
Stddev	.0035	3.6	.0097	3.5	.0001	10.	.0077	.0030	.06
%RSD	1.488	.6216	1.492	1.577	8.180	.5620	1.495	.9320	.4391
#1	.2316	582.1	.6466	218.6	.0012	1831.	.5254	.3304	13.27
#2	.2384	589.0	.6599	224.6	.0014	1849.	.5100	.3247	13.16
#3	.2362	583.5	.6411	218.5	.0013	1831.	.5189	.3258	13.18
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	F 59.95	3999.	11.66	860.1	38.68	3.673	12.35	3.182	18.42
Stddev	.07	23.	.26	8.5	.37	.0055	.06	.004	.05
%RSD	.1234	.5868	2.218	.9939	.9471	1.509	.5205	.1291	.2572
#1	59.96	3981.	11.73	854.5	38.33	3.689	12.27	3.186	18.38
#2	60.02	4026.	11.88	869.9	39.06	3.719	12.40	3.177	18.41
#3	59.87	3991.	11.38	855.8	38.64	3.611	12.37	3.181	18.48
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(In2306)
Avg	.7293	-0.201	2.259	1.761	18.51	7.042	-0.168	4.005	33.52
Stddev	.0053	0.138	.014	.007	.06	.012	.0073	.0037	.02
%RSD	.7234	68.71	.6210	.3987	.3253	.1726	43.44	9.360	.0587
#1	.7345	-.0341	2.275	1.765	18.45	7.054	-.0097	4.026	33.50
#2	.7240	-.0064	2.256	1.753	18.55	7.044	-.0165	3.962	33.51
#3	.7294	-.0199	2.247	1.765	18.55	7.029	-.0243	4.027	33.54
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2372.4	4674.0	4038.1	4721.2					
Stddev	1.4	15.1	99.	40.5					
%RSD	.06003	.32253	.24553	.85815					
#1	2373.4	4656.7	4041.7	4748.6					
#2	2370.8	4680.8	4026.9	4674.7					
#3	2373.0	4684.5	4045.8	4740.3					

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7.2

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Sample Name: MP30212-D1 Acquired: 4/6/2016 13:59:05 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.1945	598.9	.7216	F 230.3	.0007	1604.	.5607	.3604	12.97
Stddev	.0041	3.2	.0093	2.9	.0002	5.	.0066	.0010	.04
%RSD	2.121	.5323	1.285	1.257	21.26	.3384	1.174	.2907	.2844
#1	.1988	600.5	.7303	227.8	.0009	1610.	.5539	.3592	12.99
#2	.1942	601.0	.7118	233.4	.0007	1600.	.5612	.3608	12.93
#3	.1906	595.3	.7227	229.6	.0006	1602.	.5670	.3612	13.00
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	F 59.97	F 4408.	12.03	767.0	39.99	3.457	11.46	3.374	11.70
Stddev	.05	16.	.19	5.8	.11	.0029	.04	.005	.04
%RSD	.0865	.3630	1.555	.7598	.2790	.8402	.3587	.1472	.3407
#1	60.03	4422.	12.18	770.3	40.11	3.464	11.49	3.373	11.74
#2	59.94	4412.	11.82	770.4	39.90	3.425	11.41	3.369	11.66
#3	59.94	4391.	12.08	760.3	39.95	3.482	11.47	3.379	11.70
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	.7067	-0.078	2.583	1.676	15.44	7.615	-0.300	5.388	27.42
Stddev	.0183	.0154	.015	.005	.05	.017	.0099	.0025	.10
%RSD	2.591	40.78	.5644	.2925	.2953	2.174	33.11	4.607	.3593
#1	.7191	-.0389	2.576	1.679	15.48	7.613	-.0314	5.384	27.49
#2	.7152	-.0526	2.574	1.670	15.45	7.600	-.0391	5.414	27.31
#3	.6856	-.0219	2.600	1.678	15.39	7.632	-.0194	5.365	27.46
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2377.2	4645.1	4048.6	4747.9					
Stddev	2.1	11.7	18.	24.0					
%RSD	.08836	.25280	.04468	.50510					
#1	2379.4	4658.3	4050.2	4730.1					
#2	2376.8	4641.1	4049.0	4738.4					
#3	2375.3	4635.8	4046.6	4775.2					

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Sample Name: MP30212-D2 Acquired: 4/6/2016 14:03:37 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.2074	622.0	.6991	F 205.8	.0009	1574.	.3762	.3688	10.94
Stddev	.0058	3.2	.0084	2.3	.0007	7.	.0023	.0018	.03
%RSD	2.796	.5191	1.206	1.128	82.56	.4594	.6210	.4869	.2790
#1	.2031	625.7	.7014	207.8	.0001	1581.	.3737	.3676	10.91
#2	.2051	620.5	.7062	206.4	.0011	1574.	.3764	.3708	10.97
#3	.2140	619.8	.6898	203.3	.0015	1567.	.3784	.3679	10.94
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	F 78.09	F 4048.	11.39	802.2	39.66	4.092	11.68	4.202	13.09
Stddev	.32	21.	.19	5.5	.25	.0039	.03	.010	.05
%RSD	.4117	.5106	1.664	.6874	.6426	.9474	.2803	.2383	.3721
#1	77.72	4070.	11.25	808.3	39.37	4.127	11.70	4.200	13.08
#2	78.32	4045.	11.31	800.7	39.84	4.099	11.69	4.213	13.15
#3	78.23	4029.	11.61	797.5	39.76	4.051	11.64	4.193	13.05
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.7358	-0.326	2.106	1.488	15.97	7.484	-0.225	5.739	F 42.61
Stddev	.0023	.0294	.010	.006	.06	.020	.0219	.0068	.09
%RSD	.3083	90.12	.4673	.4363	.4065	.2682	97.33	1.188	.2016
#1	.7384	-.0643	2.100	1.482	16.04	7.465	.0018	5.660	42.59
#2	.7343	-.0271	2.099	1.488	15.96	7.505	-.0286	5.771	42.70
#3	.7346	-.0063	2.117	1.495	15.91	7.483	-.0408	5.784	42.53
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2332.9	4546.4	3982.1	4718.8					
Stddev	3.3	5.0	199.	29.7					
%RSD	.13936	.11032	.50012	.62949					
#1	2334.6	4551.5	4003.0	4692.1					
#2	2329.1	4541.4	3963.4	4713.5					
#3	2334.8	4546.2	3980.0	4750.8					

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Sample Name: MP30212-SD1 Acquired: 4/6/2016 14:08:10 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 50.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.2074	527.7	.5823	F 210.5	-0.0013	1696.	.4439	.3083	13.90
Stddev	.0095	.6	.0789	.2	.0023	4.	.0046	.0036	.66
%RSD	4.574	.1132	13.55	.0985	180.5	2.085	1.046	1.180	4.744
#1	.2064	528.2	.6093	210.5	.0005	1699.	.4440	.3116	14.47
#2	.2174	527.9	.4935	210.3	-.0039	1695.	.4391	.3044	14.05
#3	.1985	527.0	.6442	210.7	-.0004	1692.	.4484	.3091	13.18
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	53.82	3927.	10.15	784.7	37.53	3.350	10.32	2.962	17.72
Stddev	.11	5.	1.02	1.2	.11	.0038	.22	.012	.01
%RSD	.1959	.1338	10.05	.1552	.2964	1.130			

Sample Name: MP30212-PS1 Acquired: 4/6/2016 14:12:30 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1-3, Int. Std., Avg, Stddev, %RSD, #1-3).

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Sample Name: MP30212-S1 Acquired: 4/6/2016 14:17:11 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1-3, Int. Std., Avg, Stddev, %RSD, #1-3).

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Sample Name: MP30212-S2 Acquired: 4/6/2016 14:21:50 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1-3, Int. Std., Avg, Stddev, %RSD, #1-3).

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Sample Name: FA32465-1 Acquired: 4/6/2016 14:26:23 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1-3, Int. Std., Avg, Stddev, %RSD, #1-3).

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7.2

7

Sample Name: CCV Acquired: 4/6/2016 14:30:53 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2568	40.93	2.024	1.998	2.035	40.34	2.067	2.071	2.044
Stddev	.0014	.14	.005	.011	.004	.11	.003	.005	.002
%RSD	.5493	.3373	.2387	.5296	.1992	.2641	.1346	.2227	.0783
#1	.2578	40.94	2.018	1.990	2.034	40.40	2.065	2.067	2.045
#2	.2552	40.78	2.026	1.993	2.031	40.21	2.070	2.076	2.042
#3	.2573	41.06	2.027	2.010	2.039	40.39	2.066	2.071	2.044

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.035	40.24	40.51	41.30	2.040	2.072	40.60	2.051	1.995
Stddev	.005	.07	.14	.24	.004	.004	.18	.003	.004
%RSD	.2598	.1841	.3558	.5765	.2109	.1891	.4380	.1672	.1960
#1	2.040	40.32	40.42	41.56	2.043	2.068	40.53	2.048	1.997
#2	2.030	40.18	40.43	41.11	2.035	2.076	40.47	2.055	1.990
#3	2.034	40.21	40.67	41.22	2.042	2.073	40.80	2.050	1.997

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.020	2.039	2.300	2.041	2.036	2.026	2.004	2.012	2.052
Stddev	.005	.006	.004	.003	.007	.002	.003	.002	.001
%RSD	.2433	.3029	.1768	.1497	.3424	.0943	.1442	.0863	.0379
#1	2.015	2.032	2.296	2.037	2.030	2.028	2.002	2.010	2.051
#2	2.024	2.044	2.304	2.043	2.035	2.024	2.007	2.013	2.052
#3	2.022	2.040	2.299	2.042	2.044	2.026	2.002	2.011	2.053

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/6/2016 14:30:53 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2294.4	4744.8	4087.5	4753.9
Stddev	1.5	9.4	62.	13.5
%RSD	.06660	.19815	.15113	.28494
#1	2293.0	4749.5	4081.1	4748.4
#2	2294.1	4734.0	4093.5	4769.3
#3	2296.0	4750.9	4087.8	4743.9

Sample Name: CCB Acquired: 4/6/2016 14:35:03 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0007	.0008	.0005	.0003	.0124	.0002	.0002	-.0001
Stddev	.0002	.0052	.0004	.0001	.0000	.0013	.0001	.0001	.0001
%RSD	156.6	746.0	48.02	15.69	10.91	10.30	27.63	39.02	121.6
#1	-.0001	-.0049	.0009	.0005	.0003	.0109	.0002	.0002	.0000
#2	.0002	.0015	.0004	.0005	.0003	.0129	.0003	.0003	-.0002
#3	.0003	.0055	.0011	.0006	.0003	.0133	.0002	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0212	.0472	-.0041	.0003	F .0013	.0033	.0000	F .0012
Stddev	.0001	.0046	.0110	.0164	.0000	.0003	.0042	.000	.0005
%RSD	14170.	21.86	23.23	398.9	14.27	26.93	127.1	237300.	41.02
#1	-.0002	.0259	.0413	-.0170	.0003	.0016	.0055	.0002	.0013
#2	.0001	.0211	.0599	.0143	.0003	.0012	-.0015	-.0001	.0007
#3	.0001	.0166	.0406	-.0096	.0002	.0009	.0059	-.0001	.0016

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Fail
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0005	-.0004	.0000	.0004	.0012	.0002	.0002	.0002
Stddev	.0015	.0015	.0004	.0002	.0000	.0001	.0002	.0002	.0001
%RSD	1476.	281.1	109.0	1647.	13.08	9.558	102.1	100.6	37.81
#1	.0010	.0002	.0000	.0003	.0004	.0013	.0005	.0003	.0002
#2	.0005	-.0008	-.0003	.0000	.0004	.0013	.0001	.0000	.0003
#3	-.0018	.0022	-.0008	-.0002	.0003	.0011	.0001	.0002	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/6/2016 14:35:03 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2611.3	4927.1	4223.7	4803.8
Stddev	3.0	4.0	199.	6.3
%RSD	.11341	.08213	.47149	.13121
#1	2614.7	4931.7	4224.4	4805.2
#2	2610.0	4924.1	4203.4	4809.3
#3	2609.2	4925.4	4243.2	4797.0

Sample Name: FA32465-2 Acquired: 4/6/2016 14:39:36 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 11 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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Sample Name: FA32465-3 Acquired: 4/6/2016 14:44:05 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 11 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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Sample Name: FA32465-4 Acquired: 4/6/2016 14:48:36 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 11 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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Sample Name: FA32465-5 Acquired: 4/6/2016 14:53:06 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 11 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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Sample Name: FA32465-6 Acquired: 4/6/2016 14:57:35 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	.0045	100.2	.0233	.2134	-0.0011	F 5933.	.0173	.0338	.2677
Stddev	.0036	.2	.0029	.0024	.0005	.97	.0002	.0008	.0021
%RSD	80.71	.2457	12.57	1.146	747.8	1.627	1.072	2.268	.7662
#1	.0033	100.5	.0205	.2107	-0.0005	5892.	.0173	.0336	.2683
#2	.0017	99.97	.0231	.2154	.0004	5864.	.0171	.0331	.2654
#3	.0086	100.3	.0264	.2141	-0.0001	6043.	.0175	.0346	.2693
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3334	103.2	6.914	45.20	4.526	.0086	6.917	.1042	.2229
Stddev	.0011	.5	.362	.29	.012	.0005	.095	.0016	.0086
%RSD	.3389	.4686	5.233	.6364	.2689	5.475	1.373	1.517	3.871
#1	.3322	103.7	7.174	45.36	4.517	.0084	6.969	.1053	.2262
#2	.3344	102.7	6.501	44.86	4.539	.0092	6.975	.1024	.2132
#3	.3336	103.3	7.067	45.36	4.520	.0083	6.808	.1049	.2295
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0055	.0135	2.103	.0183	4.527	3.219	.0017	.3095	.6684
Stddev	.0086	.0090	.003	.0033	.021	.005	.0145	.0030	.0027
%RSD	156.8	66.97	.1391	17.98	.4644	.1700	854.7	9743	.4058
#1	.0044	.0231	2.101	.0220	4.552	3.223	.0137	.3122	.6712
#2	-0.0094	.0124	2.102	.0158	4.513	3.212	.0058	.3100	.6658
#3	-0.0115	.0251	2.106	.0170	4.517	3.220	-0.144	.3063	.6680
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2209.1	4578.9	3906.0	4588.0					
Stddev	7.1	10.3	94.	49.4					
%RSD	.32082	.22587	.24086	1.0776					
#1	2215.2	4590.8	39138.	4579.0					
#2	2210.8	4571.8	38955.	4641.3					
#3	2201.4	4574.1	39087.	4543.7					

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Sample Name: FA32465-7 Acquired: 4/6/2016 15:02:07 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.0016	432.4	.0926	1.329	.0036	4287.	.0255	.1038	.4466
Stddev	.0008	2.1	.0045	.005	.0004	20.	.0010	.0004	.0019
%RSD	49.85	.4963	4.894	.3446	9.907	.4598	4.011	.3592	.4288
#1	-0.0010	433.7	.0911	1.326	.0036	4283.	.0247	.1035	.4445
#2	-0.0025	430.0	.0977	1.327	.0032	4270.	.0267	.1036	.4483
#3	-0.0013	433.7	.0890	1.334	.0039	4309.	.0252	.1042	.4470
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	11.43	357.3	22.94	457.0	17.98	.0120	86.17	.2162	.6548
Stddev	.03	1.4	.28	2.8	.06	.0014	.46	.0025	.0054
%RSD	.2617	.3957	1.208	.6196	.3251	11.65	.5310	1.165	.8195
#1	11.42	358.1	23.13	458.5	17.93	.0128	86.51	.2136	.6610
#2	11.46	355.7	23.06	453.7	18.04	.0104	85.65	.2164	.6515
#3	11.40	358.2	22.62	458.8	17.97	.0128	86.37	.2187	.6519
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0131	.0137	2.914	.0314	32.30	6.377	-0.0070	.4456	3.763
Stddev	.0102	.0165	.004	.0021	.06	.014	.0118	.0007	.006
%RSD	78.23	120.8	.1408	6.741	.1758	.2230	167.5	.1663	.1685
#1	-0.0015	.0310	2.910	.0326	32.36	6.362	-0.0150	.4464	3.762
#2	-0.0211	.0118	2.913	.0290	32.24	6.390	-0.0126	.4452	3.757
#3	-0.0166	-0.018	2.918	.0328	32.29	6.379	.0065	.4452	3.769
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2199.9	4883.6	42209.	4912.6					
Stddev	1.0	7.7	101.	34.5					
%RSD	.04517	.15675	.23966	.70311					
#1	2198.8	4891.2	42296.	4879.4					
#2	2200.3	4875.8	42098.	4948.4					
#3	2200.6	4883.8	42234.	4910.0					

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Sample Name: FA32465-8 Acquired: 4/6/2016 15:06:37 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	.6332	401.7	.6777	F 64.71	.0028	2974.	.5241	.3282	3.804
Stddev	.0057	1.3	.0061	.87	.0001	28.	.0025	.0016	.021
%RSD	.9063	.3260	.8956	1.344	3.774	.9284	.4774	.5016	.5611
#1	.6302	400.4	.6711	63.87	.0029	2944.	.5269	.3274	3.813
#2	.6296	403.0	.6789	64.66	.0027	2997.	.5231	.3271	3.780
#3	.6399	401.9	.6831	65.61	.0028	2981.	.5223	.3301	3.819
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	F 48.41	2607.	22.97	232.1	F 67.50	.2043	20.39	1.892	31.59
Stddev	.15	13.	.38	2.2	.49	.0022	.11	.004	.10
%RSD	.3002	.5082	1.664	.9597	.7301	1.085	.5493	.2288	.3318
#1	48.26	2592.	22.53	229.7	66.99	.2040	20.26	1.897	31.50
#2	48.41	2615.	23.20	234.1	67.53	.2023	20.46	1.888	31.71
#3	48.55	2614.	23.18	232.6	67.97	.2067	20.44	1.891	31.56
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.601	-0.0290	2.910	5.470	16.85	9.653	-0.0020	.3838	F 64.42
Stddev	.018	.0095	.012	.011	.04	.014	.0185	.0010	.10
%RSD	.3299	32.80	.4154	.1956	.2309	.1475	927.9	.2657	.1511
#1	5.617	-0.0362	2.917	5.479	16.80	9.646	.0187	.3847	64.50
#2	5.604	-0.0182	2.896	5.458	16.88	9.644	-0.0170	.3827	64.45
#3	5.581	-0.0324	2.917	5.474	16.86	9.669	-0.0077	.3840	64.31
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2334.6	4683.8	40618.	4706.3					
Stddev	3.9	8.0	108.	17.7					
%RSD	.16650	.17007	.26539	.37523					
#1	2338.5	4685.7	40597.	4725.7					
#2	2330.7	4690.7	40734.	4691.1					
#3	2334.6	4675.1	40521.	4702.2					

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Sample Name: FA32465-9 Acquired: 4/6/2016 15:11:20 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.900	548.1	.6310	F 180.6	.0086	2195.	2.029	.3123	11.93
Stddev	.0036	1.5	.0071	3.1	.0002	16.	.006	.0022	.05
%RSD	3.996	.2748	1.133	1.737	2.471	.7180	.3113	.6907	.3897
#1	.0917	549.6	.6383	182.0	.0086	2213.	2.022	.3139	11.88
#2	.0924	546.6	.6240	182.9	.0084	2188.	2.033	.3098	11.92
#3	.0859	548.2	.6307	177.1	.0089	2183.	2.033	.3131	11.98
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	F 42.85	F 4407.	10.47	716.8	F 52.05	.4183	15.20	3.262	8.950
Stddev	.14	18.	.07	3.1	.09	.0019	.01	.004	.024
%RSD	.3244	.4065	.6925	.4332	.1774	.4565	.0788	.1085	.2655
#1	42.94	4428.	10.40	720.3	52.02	.4194	15.22	3.258	8.934
#2	42.93	4396.	10.48	714.6	51.97	.4194	15.20	3.265	8.939
#3	42.69	4397.	10.54	715.5	52.15	.4161	15.20	3.263	8.977
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2					

Sample Name: FA32465-11 Acquired: 4/6/2016 15:16:03 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.024	914.2	2.275	95.11	0.121	F 6481.	0.366	4.109	1.704
Stddev	.0010	4.8	.0078	.0050	.0004	68.	.0006	.0008	.007
%RSD	43.40	.5267	3.410	.5224	3.716	1.057	1.713	.1884	.4036
#1	-.0034	908.8	2.188	.9493	.0116	6408.	.0373	4.100	1.697
#2	-.0013	918.1	2.337	.9473	.0123	6543.	.0360	4.111	1.710
#3	-.0025	915.7	2.301	.9568	.0124	6491.	.0365	4.115	1.707
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.325	1089.	42.56	87.97	F 45.90	0.497	11.38	4.167	3.187
Stddev	.004	6.	.41	.99	.28	.0017	.05	.0020	.0069
%RSD	.2758	.5731	.9520	1.131	.6065	3.354	.4303	.4708	2.166
#1	1.322	1084.	42.23	87.08	45.59	.0513	11.32	4.144	3.153
#2	1.324	1096.	43.01	89.05	46.13	.0498	11.41	4.180	3.267
#3	1.329	1089.	42.43	87.78	45.98	.0479	11.41	4.177	3.143
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.263	-0.004	6.223	0.278	8.756	32.23	0.119	1.347	9819
Stddev	.0050	.0087	.024	.0065	.027	.27	.0086	.004	.0020
%RSD	18.90	2314.	.3809	23.27	.3067	8.287	72.37	3.126	2.053
#1	-0.297	-0.104	6.196	.0332	8.729	32.06	.0027	1.343	9824
#2	-0.206	.0051	6.237	.0206	8.755	32.10	.0131	1.351	9835
#3	-0.286	.0042	6.237	.0295	8.783	32.54	.0198	1.347	9796
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2140.8	5277.1	45659.	5316.0					
Stddev	3.2	17.6	158.	47.7					
%RSD	.14990	.33262	.34499	.89668					
#1	2141.2	5293.3	45837.	5358.6					
#2	2137.4	5279.5	45600.	5264.5					
#3	2143.7	5258.4	45539.	5324.9					

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Sample Name: FA32465-12 Acquired: 4/6/2016 15:20:48 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.000	1087.	2.161	1.813	0.170	278.0	0.232	6.101	2.058
Stddev	.0032	2.	.0091	.004	.0005	.2	.0005	.0033	.011
%RSD	24160.	.2108	4.191	.2170	2.809	.0647	2.023	.5454	.5479
#1	.0032	1086.	2.077	1.810	.0176	277.9	.0237	6.065	2.064
#2	-.0031	1086.	2.147	1.812	.0167	278.2	.0228	6.109	2.045
#3	-.0001	1090.	2.257	1.818	.0167	277.9	.0232	6.130	2.064
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.239	1350.	46.45	53.12	F 62.84	0.032	7.621	5.411	3.757
Stddev	.002	1.	.17	.36	.13	.0011	.059	.0030	.0133
%RSD	.1226	.0870	.3634	.6860	.2134	35.96	.7796	.5587	3.538
#1	1.239	1348.	46.41	52.71	63.00	.0042	7.590	5.422	3.609
#2	1.237	1350.	46.64	53.40	62.76	.0033	7.583	5.377	3.867
#3	1.240	1351.	46.31	53.26	62.77	.0020	7.689	5.435	3.794
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.092	0.085	2.747	0.158	1.216	F 43.62	0.056	1.840	8573
Stddev	.0028	.0352	.005	.0023	.007	.38	.0177	.006	.0044
%RSD	30.28	415.1	.1869	14.66	.5479	8640	318.5	.3251	.5095
#1	.0060	.0300	2.742	.0146	1.222	44.03	.0188	1.839	8533
#2	.0105	-.0321	2.752	.0185	1.209	43.28	-.0146	1.834	8568
#3	.0110	.0275	2.748	.0143	1.216	43.55	.0125	1.846	8620
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2454.0	5995.8	51997.	5928.3					
Stddev	1.4	4.9	115.	18.2					
%RSD	.05764	.08105	.22185	.30685					
#1	2454.4	6001.1	51880.	5945.7					
#2	2452.5	5991.6	52111.	5909.4					
#3	2455.2	5994.6	52001.	5929.7					

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Sample Name: CCV Acquired: 4/6/2016 15:25:24 Type: QC
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2566	41.76	2.032	1.988	2.055	40.68	2.085	2.101	2.055
Stddev	.0015	.11	.004	.003	.007	.12	.006	.006	.007
%RSD	.5703	.2640	.1891	.1496	.3254	.2881	.3119	.2925	.3619
#1	.2556	41.78	2.028	1.991	2.059	40.77	2.078	2.095	2.051
#2	.2560	41.86	2.035	1.987	2.059	40.73	2.084	2.099	2.050
#3	.2583	41.65	2.032	1.985	2.047	40.55	2.091	2.107	2.064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.045	40.97	40.95	42.61	2.043	2.109	40.91	2.062	1.989
Stddev	.006	.15	.08	.24	.006	.009	.09	.004	.004
%RSD	.2846	.3590	.2045	.5521	.3133	.4059	.2306	.1804	.2131
#1	2.039	40.98	40.91	42.74	2.039	2.102	41.00	2.060	1.984
#2	2.050	41.12	41.04	42.75	2.040	2.108	40.91	2.060	1.989
#3	2.048	40.82	40.89	42.34	2.050	2.119	40.81	2.066	1.992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.036	2.052	2.318	2.035	2.045	2.023	1.987	1.997	2.056
Stddev	.008	.005	.006	.000	.004	.006	.011	.009	.004
%RSD	.3748	.2686	.2589	.0144	.1783	.2765	.5270	.4768	.2079
#1	2.029	2.051	2.312	2.035	2.048	2.018	1.975	1.993	2.051
#2	2.035	2.048	2.319	2.035	2.046	2.022	1.991	1.991	2.056
#3	2.044	2.059	2.324	2.036	2.041	2.029	1.995	2.008	2.060
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 4/6/2016 15:25:24 Type: QC
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2290.5	4690.8	40819.	4605.3
Stddev	7.1	15.9	179.	18.6
%RSD	.31010	.33848	.43959	.40329
#1	2294.5	4700.7	41020.	4600.3
#2	2294.7	4699.4	40675.	4589.8
#3	2282.3	4672.5	40761.	4625.9

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Sample Name: CCB Acquired: 4/6/2016 15:29:35 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0058	.0006	.0001	.0003	.0122	.0002	.0001	.0001
Stddev	.0005	.0079	.0010	.0002	.0001	.0007	.0001	.0001	.0002
%RSD	461.6	136.0	177.2	138.9	25.57	5.314	28.24	45.30	181.5
#1	-.0004	-.0019	.0013	.0003	.0004	.0123	.0002	.0001	-.0001
#2	.0003	.0140	.0011	.0000	.0003	.0116	.0001	.0001	.0001
#3	.0005	.0054	-.0006	.0000	.0002	.0129	.0002	.0002	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0239	.0170	.0036	.0003	F .0015	.0034	.0000	.0005
Stddev	.0001	.0044	.0061	.0099	.0000	.0003	.0059	.000	.0002
%RSD	60.56	18.44	36.15	277.7	14.67	19.13	172.4	369.8	48.32
#1	-.0002	.0272	.0219	.0145	.0003	.0018	.0005	-.0002	.0003
#2	-.0002	.0257	.0101	.0007	.0003	.0016	.0101	-.0001	.0005
#3	.0000	.0189	.0190	-.0046	.0003	.0012	-.0005	.0001	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-.0010			

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0002	.0000	.0002	.0004	.0015	-.0013	.0002	.0001
Stddev	.0006	.0009	.0002	.0002	.0000	.0001	.0010	.0001	.0000
%RSD	150.6	472.7	906.5	134.0	10.30	7.123	71.47	47.65	18.37
#1	.0002	.0007	.0001	.0003	.0004	.0015	-.0012	.0002	.0001
#2	.0011	-.0008	-.0002	.0004	.0003	.0015	-.0004	.0004	.0001
#3	.0000	.0007	.0002	-.0001	.0004	.0013	-.0023	.0002	.0001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: FA32465-13 Acquired: 4/6/2016 15:34:08 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0018	669.1	.1128	1.367	.0080	4944.	.0530	.2709	.8400
Stddev	.0025	5.0	.0068	.003	.0004	38.	.0005	.0007	.0009
%RSD	135.1	.7506	6.027	.1907	4.385	.7740	.8505	.2728	.1115
#1	.0041	663.6	.1051	1.367	.0084	4971.	.0535	.2717	.8395
#2	-.0008	670.4	.1154	1.364	.0077	4900.	.0526	.2705	.8395
#3	.0023	673.4	.1179	1.369	.0079	4961.	.0530	.2704	.8411
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.703	660.2	39.58	229.0	38.95	.0117	34.39	2912	2517
Stddev	.007	4.3	.06	1.4	.06	.0009	.16	.0005	.0080
%RSD	.3943	.6485	.1491	.6077	.1511	7.247	.4655	.1841	3.158
#1	1.711	655.6	39.52	228.0	38.96	.0114	34.20	.2916	.2605
#2	1.698	660.9	39.59	228.3	38.88	.0127	34.48	.2906	.2451
#3	1.701	664.0	39.63	230.6	39.00	.0111	34.48	.2913	.2495
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0086	.0082	3.892	.0264	F 47.52	15.25	.0086	6940	2.521
Stddev	.0050	.0163	.019	.0023	.67	.05	.0033	.0012	.005
%RSD	58.48	198.3	.4892	8.639	1.408	.3097	37.84	.1686	.2114
#1	-.0119	-.0001	3.913	.0239	46.85	15.30	.0052	6929	2.515
#2	-.0028	.0271	3.885	.0284	47.51	15.22	.0117	6952	2.522
#3	-.0111	-.0023	3.877	.0268	48.19	15.21	.0090	6937	2.525
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2191.0	5023.5	4399.5	5121.6					
Stddev	4.9	8.3	103.	42.2					
%RSD	.22171	.16609	.23446	.82378					
#1	2188.8	5014.2	4387.6	5155.4					
#2	2187.6	5026.2	4404.5	5135.1					
#3	2196.5	5030.2	4406.4	5074.3					

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Sample Name: CCB Acquired: 4/6/2016 15:29:35 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2589.2	4830.6	42201.	4709.6
Stddev	2.4	4.4	141.	13.8
%RSD	.09324	.09054	.33368	.29230
#1	2590.2	4834.9	42357.	4721.9
#2	2586.4	4826.2	42161.	4712.3
#3	2590.9	4830.8	42084.	4694.8

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Sample Name: FA32465-14 Acquired: 4/6/2016 15:38:54 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0014	1223.	.3107	1.128	.0148	429.4	.0102	.4609	1.612
Stddev	.0005	4.	.0128	.001	.0003	2.0	.0004	.0011	.014
%RSD	34.29	.3189	4.118	.0973	1.861	.4676	3.544	.2444	.8642
#1	.0017	1226.	.3158	1.127	.0149	431.3	.0103	.4610	1.628
#2	.0009	1218.	.2962	1.129	.0144	427.3	.0106	.4597	1.601
#3	.0017	1224.	.3202	1.127	.0149	429.7	.0098	.4619	1.607
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6598	1134.	69.63	172.0	F 44.35	.0050	26.16	4477	3082
Stddev	.0022	3.	.12	1.2	.30	.0022	.04	.0020	.0098
%RSD	.3351	.3028	.1747	.7174	.6714	45.13	.1665	.4432	3.170
#1	.6604	1137.	69.76	172.8	44.56	.0035	26.21	4470	.3195
#2	.6573	1130.	69.61	170.6	44.49	.0039	26.15	4500	.3030
#3	.6616	1135.	69.52	172.7	44.01	.0075	26.12	4462	.3022
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0145	.0128	3.099	.0107	2.989	F 41.76	-.0061	1.459	.9474
Stddev	.0047	.0125	.006	.0009	.006	.19	.0044	.006	.0046
%RSD	32.15	97.05	.2038	8.453	.2032	444.2	71.62	.4286	.4829
#1	-.0193	-.0010	3.105	.0110	2.992	41.88	-.0084	1.464	.9491
#2	-.0101	.0163	3.093	.0097	2.982	41.86	-.0088	1.452	.9422
#3	-.0140	.0232	3.100	.0114	2.993	41.55	-.0011	1.460	.9509
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2394.3	6050.1	52309.	5945.5					
Stddev	2.5	2.4	201.	18.7					
%RSD	.10475	.03895	.38500	.31505					
#1	2397.1	6050.9	52077.	5937.0					
#2	2393.3	6051.9	52403.	5966.9					
#3	2392.4	6047.4	52446.	5932.5					

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Sample Name: FA32465-15 Acquired: 4/6/2016 15:43:30 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.021	1371.	.3665	1.187	.0163	341.1	.0113	.5231	1.835
Stddev	.0036	5.	.0077	.002	.0004	.7	.0012	.0019	.005
%RSD	169.2	.3583	2.094	.1494	2.477	.2106	10.34	.3572	.2644
#1	-.0063	1371.	.3590	1.189	.0162	341.6	.0100	.5210	1.830
#2	-.0003	1376.	.3662	1.187	.0160	341.5	.0115	.5236	1.835
#3	.0002	1366.	.3744	1.185	.0168	340.3	.0123	.5246	1.840
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	7369	1299.	72.54	171.1	46.62	.0069	29.49	.5281	.3978
Stddev	.0024	5.	.15	1.2	.31	.0016	.14	.0005	.0146
%RSD	.3265	.4073	.2111	.7288	.6726	23.15	.4732	.1017	3.678
#1	.7365	1301.	72.67	170.9	46.46	.0078	29.47	.5285	.3988
#2	.7347	1303.	72.37	172.4	46.98	.0080	29.64	.5275	.4120
#3	.7395	1293.	72.59	170.0	46.42	.0051	29.36	.5282	.3827
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.072	.0101	2.796	.0081	2.127	47.67	.0020	1.655	1.030
Stddev	.0077	.0099	.014	.0025	.008	.10	.0059	.008	.003
%RSD	107.0	98.11	.4972	30.83	.3642	.2085	290.7	5.076	.2610
#1	-.0073	-.0012	2.780	.0088	2.130	47.63	-.0045	1.646	1.033
#2	-.0147	.0174	2.802	.0054	2.133	47.60	.0035	1.662	1.027
#3	.0006	.0140	2.807	.0103	2.118	47.78	.0071	1.657	1.029
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2408.0	6339.5	55213.	6182.1					
Stddev	4.5	14.2	71.	26.5					
%RSD	.18826	.22401	.12777	.42938					
#1	2413.0	6354.4	55231.	6159.8					
#2	2404.1	6338.0	55273.	6175.0					
#3	2407.0	6326.1	55135.	6211.4					

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7.2
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Sample Name: FA32465-16 Acquired: 4/6/2016 15:48:06 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.017	1323.	.3843	1.175	.0163	325.3	.0130	.5140	1.790
Stddev	.0024	1.	.0084	.005	.0005	.7	.0004	.0028	.011
%RSD	142.7	.1049	2.189	.4543	3.109	.2243	3.243	.5457	.6204
#1	-.0016	1323.	.3801	1.175	.0162	325.9	.0127	.5137	1.788
#2	-.0007	1321.	.3788	1.179	.0168	324.5	.0127	.5113	1.802
#3	-.0040	1324.	.3940	1.169	.0158	325.6	.0135	.5169	1.780
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	7337	1338.	70.41	168.9	46.46	.0086	27.58	.5098	.4907
Stddev	.0019	2.	.31	.7	.15	.0006	.09	.0024	.0099
%RSD	.2585	.1790	.4379	.3978	.3328	6.427	.3405	.4622	2.011
#1	.7317	1339.	70.20	169.6	46.63	.0085	27.55	.5086	.4798
#2	.7354	1335.	70.77	168.4	46.32	.0082	27.69	.5125	.4931
#3	.7338	1339.	70.27	168.7	46.45	.0093	27.51	.5083	.4991
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.136	-.0030	2.793	.0135	2.258	43.26	-.0137	1.610	1.036
Stddev	.0158	.0192	.009	.0025	.005	.07	.0177	.008	.003
%RSD	116.7	629.8	.3288	18.67	.2333	.1708	129.1	4.887	.2846
#1	-.0212	-.0241	2.798	.0107	2.252	43.25	-.0044	1.610	1.034
#2	-.0241	.0014	2.783	.0142	2.263	43.34	-.0341	1.618	1.035
#3	.0046	.0135	2.799	.0155	2.260	43.19	-.0026	1.602	1.040
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2392.6	6208.7	54477.	6212.1					
Stddev	8.8	15.3	137.	28.3					
%RSD	.36657	.24720	.25133	.45514					
#1	2397.1	6214.3	54587.	6180.2					
#2	2398.3	6220.4	54323.	6234.1					
#3	2382.5	6191.3	54520.	6221.9					

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Sample Name: FA32465-17 Acquired: 4/6/2016 15:52:40 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0038	286.9	.1731	1.508	.0023	4113.	.0187	.1123	1.715
Stddev	.0019	1.8	.0122	.007	.0004	42.	.0017	.0006	.006
%RSD	50.32	.6285	7.046	.4792	19.64	1.017	9.105	.5639	.3302
#1	.0031	285.6	.1768	1.511	.0021	4078.	.0196	.1116	1.714
#2	.0024	288.9	.1595	1.514	.0019	4159.	.0167	.1123	1.709
#3	.0060	286.0	.1830	1.500	.0028	4101.	.0197	.1129	1.721
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	8.176	991.4	11.84	1869.	8.789	2993	21.72	.9855	.5054
Stddev	.016	5.5	.07	15.	.057	.0030	.11	.0035	.0184
%RSD	.1941	.5544	.6332	.8181	.6455	.9913	.5114	.3538	3.634
#1	8.188	987.4	11.82	1858.	8.828	.3005	21.61	.9867	.4942
#2	8.158	997.7	11.92	1887.	8.724	.3014	21.84	.9882	.4953
#3	8.182	989.2	11.78	1863.	8.814	.2959	21.72	.9816	.5265
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0057	-.0021	3.218	.1411	5.020	8.973	-.0078	.3896	11.47
Stddev	.0138	.0041	.016	.0020	.034	.034	.0099	.0015	.01
%RSD	239.8	198.1	.5069	1.407	.6703	.3783	127.6	.3977	.0984
#1	.0099	-.0026	3.233	.1434	4.986	9.010	.0013	.3911	11.47
#2	-.0096	-.0038	3.201	.1400	5.054	8.945	-.0062	.3880	11.48
#3	.0169	-.0051	3.219	.1400	5.021	8.963	-.0184	.3898	11.46
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2163.0	4581.0	40797.	4707.2					
Stddev	4.8	2.3	130.	24.7					
%RSD	.22085	.05069	.31822	.52477					
#1	2167.0	4578.8	40660.	4727.5					
#2	2164.5	4580.8	40919.	4679.7					
#3	2157.7	4583.5	40811.	4714.4					

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Sample Name: FA32465-18 Acquired: 4/6/2016 15:57:08 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0600	502.9	.3762	2.985	.0057	3926.	.0686	.2784	1.712
Stddev	.0020	.8	.0070	.008	.0003	25.	.0009	.0018	.008
%RSD	3.338	.1687	1.853	.2769	5.405	.6378	1.327	.6316	.4414
#1	.0579	503.4	.3842	2.976	.0060	3948.	.0676	.2764	1.709
#2	.0619	503.3	.3715	2.992	.0057	3930.	.0687	.2795	1.720
#3	.0602	501.9	.3729	2.987	.0054	3899.	.0694	.2795	1.706
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.198	2644.	22.85	1020.	20.38	.2233	23.04	1.282	1.480
Stddev	.008	7.	.25	4.	.11	.0017	.04	.003	.013
%RSD	.2500	.2666	1.082	.3669	.5361	.7595	.1692	.2337	.8517
#1	3.206	2649.	22.60	1024.	20.38	.2235	23.08	1.285	1.470
#2	3.199	2647.	23						

Sample Name: FA32465-19 Acquired: 4/6/2016 16:01:37 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	12.15	2.479	5.928	0.133	468.2	0.008	3.109	1.067
Stddev	.0016	3.	.0074	.0043	.0003	.3	.0011	.0002	.004
%RSD	571.6	.2439	2.987	.7257	1.956	.0555	130.8	.0744	.3650
#1	.0015	12.15	.2399	.5897	.0130	468.1	.0006	.3111	1.071
#2	-.0017	12.13	.2546	.5909	.0133	467.9	-.0002	.3108	1.063
#3	-.0007	12.19	.2492	.5977	.0135	468.4	.0019	.3107	1.067
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	4.639	1046.	40.36	128.9	27.98	0.074	46.78	1.905	2.621
Stddev	.0027	2.	.27	.7	.17	.0017	.08	.0030	.0050
%RSD	.5790	.1954	.6696	.5796	.6086	23.48	.1808	1.599	1.912
#1	.4640	1045.	40.50	128.2	27.91	.0088	46.78	1.874	.2673
#2	.4611	1045.	40.05	128.8	28.17	.0054	46.86	1.906	.2573
#3	.4665	1049.	40.53	129.7	27.85	.0080	46.69	1.935	.2617
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0032	0.000	3.322	0.104	4.243	42.02	-0.082	1.699	7.885
Stddev	.0115	.0263	.004	.0027	.006	.10	.0056	.005	.0023
%RSD	353.7	85840.	.1304	26.32	.1414	.2378	68.74	.2698	.2938
#1	-.0046	.0268	3.317	.0125	4.238	41.93	-.0104	1.701	.7889
#2	-.0140	-.0258	3.322	.0113	4.240	41.98	-.0123	1.694	.7906
#3	.0088	-.0009	3.326	.0073	4.249	42.13	-.0018	1.702	.7860
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2408.2	5654.9	49389.	5600.4					
Stddev	3.3	11.2	50.	20.1					
%RSD	.13854	.19823	.10206	.35971					
#1	2405.5	5662.6	49436.	5612.6					
#2	2412.0	5660.1	49336.	5611.4					
#3	2407.2	5642.1	49396.	5577.1					

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Sample Name: FA32465-20 Acquired: 4/6/2016 16:06:14 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.266	1300.	6.016	3.599	0.161	70.14	0.064	8.693	1.003
Stddev	.0029	4.	.0094	.020	.0002	.39	.0007	.0039	.004
%RSD	10.87	.3086	1.561	.5490	1.437	.5505	.7719	.4523	.3491
#1	.0252	1297.	.5980	3.604	.0159	69.69	.0972	8.649	1.003
#2	.0299	1298.	.6123	3.577	.0163	70.33	.0963	8.703	1.006
#3	.0247	1304.	.5946	3.616	.0161	70.40	.0957	8.726	.9989
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.130	1728.	92.15	92.11	F 233.0	1.098	17.55	1.430	3.873
Stddev	.013	5.	.64	.54	1.1	.0014	.16	.004	.0042
%RSD	.5945	.2828	.6929	.5832	.4590	1.247	.8930	.2988	1.088
#1	2.145	1725.	91.64	91.54	233.1	.1084	17.55	1.428	.3922
#2	2.123	1725.	91.95	92.18	234.0	.1099	17.39	1.428	.3851
#3	2.123	1733.	92.87	92.61	231.9	.1111	17.70	1.435	.3847
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.584	0.937	3.989	0.259	1.602	38.00	0.702	3.772	1.467
Stddev	.0067	.0220	.003	.0056	.001	.20	.0150	.021	.006
%RSD	11.41	55.41	.0695	21.57	.0795	.5334	21.42	.5685	.4384
#1	.0660	.0599	3.988	.0323	1.600	37.77	.0675	3.770	1.461
#2	.0557	.0163	3.986	.0230	1.602	38.05	.0864	3.795	1.467
#3	.0535	.0429	3.992	.0224	1.603	38.16	.0566	3.752	1.474
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2437.4	5658.8	49959.	5641.9					
Stddev	3.8	11.3	24.	25.9					
%RSD	.15424	.19919	.04799	.45874					
#1	2436.4	5662.0	49941.	5671.4					
#2	2434.2	5668.1	49986.	5623.1					
#3	2441.5	5646.3	49950.	5631.2					

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7.2
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Sample Name: MP30214-MB1 Acquired: 4/6/2016 16:10:50 Type: QC
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.027	F 2327	-0.001	0.018	-0.004	0.737	-0.003	-0.001
Stddev	.0009	.0487	.0044	.0004	.0000	.0063	.0001	.0003
%RSD	32.33	20.91	8512.	21.23	4.429	8.599	24.52	375.8
#1	-.0017	.2742	.0039	.0022	-.0004	.0795	-.0004	-.0002
#2	-.0031	.2447	-.0048	.0015	-.0004	.0669	-.0003	-.0003
#3	-.0034	.1791	-.0008	.0016	-.0004	.0746	-.0002	-.0004
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.1000						
Low Limit		-.1000						
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.005	-0.004	F 3089	1.892	-0.0354	F 0.127	0.005	-0.0701
Stddev	.0009	.0015	.0195	.1427	.0332	.0010	.0003	.0587
%RSD	195.8	381.8	6.323	75.43	93.88	7.683	50.66	83.82
#1	-.0006	-.0004	.3281	.1664	-.0041	.0137	.0004	-.0093
#2	.0007	.0011	.3096	.3420	-.0702	.0125	.0003	-.1266
#3	.0013	-.0019	.2890	.0593	-.0318	.0118	.0008	-.0743
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			.1500			.0075		
Low Limit			-.1500			-.0075		
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.010	F 0.063	-0.0009	-0.0039	0.226	F 0.536	0.003	F 0.143
Stddev	.0007	.0029	.0053	.0026	.0011	.0017	.0002	.0010
%RSD	64.51	46.00	602.5	67.53	4.922	3.194	51.18	7.156
#1	-.0018	.0080	-.0021	-.0040	.0238	.0522	.0004	.0154
#2	-.0005	.0080	-.0049	-.0012	.0225	.0530	.0005	.0142
#3	-.0008	.0030	-.0054	-.0064	.0216	.0555	.0001	.0134
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Fail
High Limit		.0025				.0250		.0050
Low Limit		-.0025				-.0250		-.0050

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Sample Name: MP30214-MB1 Acquired: 4/6/2016 16:10:50 Type: QC
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ti1908	V_2924	Zn2062	
Units	ppm	ppm	ppm	
Avg	F -0.077	0.003	F 0.358	
Stddev	.0033	.0005	.0002	
%RSD	42.46	201.1	4.281	
#1	-.0040	.0008	.0359	
#2	-.0103	.0000	.0356	
#3	-.0087	-.0001	.0358	
Check ?	Chk Fail	Chk Pass	Chk Fail	
High Limit	.0050		.0100	
Low Limit	-.0050		-.0100	
Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2598.0	4850.7	42437.	4655.8
Stddev	2.6	11.5	125.	22.8
%RSD	.09880	.23699	.29519	.48983
#1	2595.0	4845.4	42313.	4672.5
#2	2599.6	4863.8	42434.	4629.8
#3	2599.3	4842.8	42563.	4665.0

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Sample Name: MP30214-B1 Acquired: 4/6/2016 16:15:23 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0451	28.52	1.879	1.874	.0496	25.97	.0504	.5157	2.003
Stddev	.0007	.13	.001	.004	.0002	.14	.0001	.0021	.0006
%RSD	1.538	.4558	.0418	.2339	.3582	.5238	.1702	.4131	.2875

#1	.0452	28.66	1.879	1.877	.0495	25.93	.0505	.5142	.2003
#2	.0444	28.50	1.878	1.877	.0494	25.86	.0504	.5148	.1997
#3	.0457	28.40	1.878	1.869	.0498	26.13	.0504	.5181	.2009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2473	28.07	25.55	27.53	.5133	.5120	25.53	.5103	.4648
Stddev	.0025	.14	.21	.41	.0011	.0026	.07	.0013	.0026
%RSD	.9989	.4965	.8036	1.477	.2217	.5030	.2919	.2565	.5504

#1	.2488	27.96	25.68	27.31	.5128	.5090	25.50	.5099	.4650
#2	.2444	28.02	25.65	27.28	.5125	.5138	25.62	.5091	.4621
#3	.2486	28.22	25.31	28.00	.5146	.5131	25.48	.5117	.4672

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4680	1.925	.0423	.5536	.4883	.5020	1.815	.4572	.5462
Stddev	.0032	.017	.0063	.0019	.0012	.0010	.004	.0022	.0010
%RSD	.6813	.8797	14.90	.3363	.2441	.1911	.2051	.4910	.1867

#1	.4705	1.929	.0356	.5556	.4882	.5022	1.816	.4547	.5450
#2	.4644	1.907	.0481	.5520	.4896	.5009	1.811	.4577	.5469
#3	.4691	1.940	.0434	.5532	.4872	.5028	1.818	.4591	.5466

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30214-B1 Acquired: 4/6/2016 16:15:23 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2540.5	4828.3	42224.	4596.2
Stddev	3.4	13.1	157.	22.6
%RSD	.13505	.27179	.37145	.49074

#1	2539.4	4824.2	42297.	4591.3
#2	2544.4	4843.0	42331.	4620.8
#3	2537.8	4817.8	42044.	4576.4

7.2
7

Sample Name: CCV Acquired: 4/6/2016 16:19:42 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2595	42.10	2.054	1.983	2.050	40.52	2.113	2.144	2.045
Stddev	.0005	.20	.003	.007	.011	.26	.003	.001	.006
%RSD	.1862	.4682	.1362	.3579	.5261	.6390	.1366	.0504	.2990

#1	.2600	42.10	2.056	1.987	2.054	40.63	2.116	2.145	2.044
#2	.2595	42.29	2.051	1.987	2.057	40.70	2.112	2.143	2.051
#3	.2590	41.90	2.055	1.975	2.037	40.22	2.111	2.144	2.039

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.059	41.00	40.88	42.99	2.006	2.148	40.85	2.062	1.989
Stddev	.004	.21	.21	.27	.009	.004	.20	.001	.003
%RSD	.1704	.5078	.5100	.6258	.4536	.2035	.4844	.0694	.1497

#1	2.063	41.03	40.91	42.87	2.012	2.152	40.90	2.083	1.992
#2	2.058	41.19	41.07	43.30	2.011	2.144	41.03	2.080	1.986
#3	2.056	40.78	40.66	42.80	1.996	2.149	40.64	2.083	1.989

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.061	2.091	2.354	2.042	2.035	1.995	1.987	1.983	2.059
Stddev	.002	.003	.006	.005	.010	.005	.004	.006	.004
%RSD	.1154	.1429	.2413	.2348	.4939	.2404	.1970	.3133	.2057

#1	2.062	2.093	2.352	2.043	2.042	2.000	1.991	1.984	2.064
#2	2.058	2.088	2.349	2.045	2.040	1.995	1.986	1.988	2.059
#3	2.062	2.092	2.360	2.036	2.024	1.990	1.983	1.976	2.055

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/6/2016 16:19:42 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2292.1	4643.7	41290.	4619.8
Stddev	8.3	9.5	91.	42.4
%RSD	.36094	.20518	.22070	.91710

#1	2293.4	4646.5	41192.	4608.3
#2	2299.7	4651.5	41305.	4584.5
#3	2283.3	4633.0	41373.	4666.8

Sample Name: CCB Acquired: 4/6/2016 16:23:53 Type: QC
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.0013	.0001	.0002	.0003	.0095	.0002	.0002	.0002
Stddev	.000	.0030	.0001	.0002	.0000	.0002	.0000	.0001	.0002
%RSD	2649.	232.1	110.9	89.80	12.66	1.981	8.600	57.35	104.8
#1	.0003	-.0048	.0000	.0003	.0003	.0093	.0001	.0003	.0001
#2	-.0002	-.0001	.0001	.0004	.0002	.0095	.0002	.0001	.0003
#3	.0000	.0010	.0003	.0000	.0003	.0097	.0002	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	.0145	.0188	.0072	.0002	F-.0013	-0.0045	.0000	.0006
Stddev	.0002	.0012	.0312	.0090	.0000	.0002	.0049	.000	.0004
%RSD	48.52	8.473	166.5	126.4	12.38	15.97	108.6	7732.	62.20
#1	-.0002	.0155	-.0157	-.0029	.0003	.0015	-.0017	.0001	.0003
#2	-.0005	.0148	.0451	.0097	.0002	.0012	-.0102	-.0002	.0010
#3	-.0006	.0131	.0269	.0147	.0002	.0011	-.0017	.0001	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	-0.0002	.0005	.0001	.0004	.0011	.0001	.0001	.0001
Stddev	.0006	.0029	.0005	.0001	.0000	.0000	.0011	.0002	.0001
%RSD	49.41	1311.	110.7	110.3	8.463	4.460	1167.	105.6	81.73
#1	.0013	-.0022	.0007	.0000	.0004	.0011	.0003	.0001	.0001
#2	.0016	.0031	.0008	.0001	.0004	.0010	.0011	.0000	.0002
#3	.0005	-.0016	-.0001	.0003	.0004	.0011	-.0011	.0003	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

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7.2
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Sample Name: CCB Acquired: 4/6/2016 16:23:53 Type: QC
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2633.6	4863.7	42808.	4706.8
Stddev	4.0	21.4	73.	28.6
%RSD	.15278	.44051	.17060	.60775
#1	2631.8	4856.9	42857.	4727.8
#2	2638.2	4887.6	42842.	4674.3
#3	2630.7	4846.4	42724.	4718.5

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	.0145	.0188	.0072	.0002	F-.0013	-0.0045	.0000	.0006
Stddev	.0002	.0012	.0312	.0090	.0000	.0002	.0049	.000	.0004
%RSD	48.52	8.473	166.5	126.4	12.38	15.97	108.6	7732.	62.20
#1	-.0002	.0155	-.0157	-.0029	.0003	.0015	-.0017	.0001	.0003
#2	-.0005	.0148	.0451	.0097	.0002	.0012	-.0102	-.0002	.0010
#3	-.0006	.0131	.0269	.0147	.0002	.0011	-.0017	.0001	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	-0.0002	.0005	.0001	.0004	.0011	.0001	.0001	.0001
Stddev	.0006	.0029	.0005	.0001	.0000	.0000	.0011	.0002	.0001
%RSD	49.41	1311.	110.7	110.3	8.463	4.460	1167.	105.6	81.73
#1	.0013	-.0022	.0007	.0000	.0004	.0011	.0003	.0001	.0001
#2	.0016	.0031	.0008	.0001	.0004	.0010	.0011	.0000	.0002
#3	.0005	-.0016	-.0001	.0003	.0004	.0011	-.0011	.0003	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

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Sample Name: FA32672-18 Acquired: 4/6/2016 16:28:25 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.0014	399.2	.0636	2.237	.0115	51.06	-0.0029	.1082	.5903
Stddev	.0006	.2	.0030	.008	.0003	.08	.0000	.0005	.0013
%RSD	42.15	.0590	4.749	.3541	2.257	.1520	1.690	.4596	.2284
#1	-.0020	399.0	.0670	2.241	.0115	51.12	-.0029	.1077	.5887
#2	-.0015	399.4	.0625	2.242	.0112	51.09	-.0030	.1083	.5910
#3	-.0008	399.1	.0614	2.228	.0117	50.97	-.0029	.1087	.5911

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.428	317.4	29.93	38.36	6.044	.0135	2.777	.3916	1.965
Stddev	.004	.4	.12	.25	.02	.0004	.053	.0004	.011
%RSD	.2945	.1208	.3881	.6391	.0309	3.164	1.899	.1094	.5447
#1	1.432	317.3	29.80	38.44	6.044	.0139	2.748	.3919	1.975
#2	1.429	317.8	30.00	38.55	6.046	.0136	2.838	.3919	1.953
#3	1.423	317.1	29.99	38.09	6.042	.0131	2.744	.3911	1.966

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0008	-0.0039	4.490	.0441	.6357	11.79	-0.0082	.6689	.6096
Stddev	.0053	.0175	.000	.0016	.0007	.01	.0026	.0011	.0010
%RSD	627.9	446.5	.0065	3.573	.1139	.1238	32.06	.1692	.1592
#1	-.0069	.0045	4.490	.0423	.6365	11.81	-.0094	.6677	.6100
#2	.0021	.0078	4.489	.0453	.6352	11.80	-.0099	.6700	.6085
#3	.0023	-.0240	4.490	.0446	.6352	11.78	-.0051	.6689	.6104

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2506.5	5054.4	43832.	4810.6
Stddev	5.4	14.7	152.	8.2
%RSD	.21525	.29019	.34616	.16983
#1	2500.5	5037.5	43699.	4814.7
#2	2510.8	5062.3	43799.	4815.9
#3	2508.3	5063.4	43997.	4801.2

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Sample Name: MP30214-D1 Acquired: 4/6/2016 16:32:46 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.0016	356.7	.0588	2.049	.0102	46.65	-0.0025	.0991	.5440
Stddev	.0012	2.7	.0052	.006	.0001	.31	.0003	.0008	.0017
%RSD	75.61	.7477	8.790	.3144	1.319	6.560	10.24	.8028	.3173
#1	-.0016	355.4	.0638	2.048	.0101	46.47	-.0028	.1000	.5421
#2	-.0004	359.8	.0534	2.056	.0102	47.00	-.0023	.0985	.5444
#3	-.0029	354.9	.0592	2.044	.0104	46.47	-.0025	.0989	.5455

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.305	289.9	26.96	34.94	5.521	.0119	2.527	.3500	1.808
Stddev	.003	1.9	.14	.48	.008	.0003	.011	.0009	.004
%RSD	.2236	.6574	.5231	1.366	.1376	2.647	4.276	.2563	.2234
#1	1.304	288.8	26.86	34.46	5.512	.0121	2.521	.3493	1.807
#2	1.302	292.1	27.12	35.41	5.522	.0116	2.540	.3496	1.804
#3	1.308	288.9	26.90	34.94	5.527	.0121	2.521	.3510	1.812

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0004	-0.0043	4.079	.0440	.5764	10.30	-0.0049	.6071	.5274
Stddev	.0029	.0045	.003	.0005	.0025	.01	.0045	.0026	.0004
%RSD	652.8	104.8	.0801	1.194	.4412	.1122	91.83	.4226	.0821
#1	-.0029	-.0079	4.076	.0438	.5754	10.29	-.0045	.6047	.5275
#2	.0027	.0007	4.079	.0436	.5792	10.31	-.0096	.6069	.5279
#3	-.0011	-.0057	4.083	.0446	.5744</				

Sample Name: MP30214-D2 Acquired: 4/6/2016 16:37:06 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.014	398.3	0.059	2.233	0.113	51.12	-0.030	1.091	5.874
Stddev	.0015	1.0	.0041	.013	.0000	.22	.0004	.0006	.0010
%RSD	109.9	2510	6.237	.5780	.4057	.4329	11.70	.5762	.1787
#1	.0002	399.4	.0704	2.231	.0113	51.36	-.0032	1.086	5.886
#2	-.0016	397.7	.0649	2.247	.0113	51.10	-.0026	1.090	5.867
#3	-.0028	397.7	.0623	2.221	.0112	50.92	-.0033	1.099	5.868
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	1.432	316.9	29.63	38.30	5.996	0.116	2.754	3.894	1.970
Stddev	.005	1.1	.34	.09	.018	.0011	.027	.0007	.007
%RSD	.3261	.3359	1.136	.2411	.2993	9.699	.9811	.1923	.3631
#1	1.438	318.0	29.95	38.40	6.014	.0107	2.729	3.894	1.962
#2	1.430	315.9	29.66	38.27	5.978	.0128	2.750	3.887	1.972
#3	1.429	316.7	29.28	38.22	5.996	.0113	2.782	3.901	1.975
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.030	-0.0087	4.309	0.0461	0.6365	11.55	-0.093	0.660	5.688
Stddev	.0045	.0050	.017	.0004	.0016	.03	.0048	.0035	.0008
%RSD	150.9	57.82	4.015	.7968	.2556	2.270	51.89	5.571	1.369
#1	.0073	-.0116	4.299	.0457	.6363	11.57	-.0041	.6583	5.681
#2	-.0016	-.0029	4.298	.0464	.6382	11.52	-.0102	.6641	5.696
#3	.0032	-.0116	4.329	.0462	.6350	11.56	-.0135	.6577	5.685
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2495.7	5009.7	44025.	4819.9					
Stddev	5.7	16.3	142.	44.1					
%RSD	.22818	.32494	.32351	.91494					
#1	2499.4	5021.8	43956.	4778.4					
#2	2498.6	5016.1	44189.	4866.2					
#3	2489.2	4991.2	43931.	4814.9					

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Sample Name: MP30214-SD1 Acquired: 4/6/2016 16:41:25 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.047	439.5	0.097	2.466	0.111	54.28	-0.044	1.145	6.307
Stddev	.0068	.9	.0115	.014	.0014	.34	.0004	.0010	.0130
%RSD	144.1	.2003	23.19	.5798	12.42	.6318	9.603	.8616	2.064
#1	.0020	439.0	.0528	2.481	.0095	53.89	-.0040	1.153	6.227
#2	-.0117	440.5	.0370	2.453	.0119	54.42	-.0049	1.134	6.457
#3	-.0045	439.0	.0594	2.464	.0118	54.53	-.0044	1.148	6.237
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	1.412	325.7	37.25	40.51	6.138	0.169	8.105	4.215	1.937
Stddev	.013	1.0	.30	.45	.023	.0013	.433	.0053	.007
%RSD	.9018	.3210	.8095	1.106	.3799	7.891	5.339	1.257	.3483
#1	1.421	325.0	37.08	40.87	6.163	.0175	7.682	4.263	1.931
#2	1.418	325.2	37.60	40.01	6.132	.0179	8.086	4.158	1.936
#3	1.397	326.9	37.07	40.65	6.118	.0154	8.547	4.224	1.945
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.153	-0.189	101.3	0.0458	0.6675	14.57	-0.311	0.6883	7.590
Stddev	.0159	.0396	4.0	.0022	.0024	.22	.0097	.0033	.0038
%RSD	104.1	209.7	3.969	4.789	3.638	1.514	31.30	4.760	4.969
#1	.0296	-.0357	105.9	.0433	.6650	14.73	-.0372	.6912	7.554
#2	.0181	.0264	99.44	.0474	.6676	14.65	-.0199	.6848	7.629
#3	-.0019	-.0474	98.49	.0467	.6699	14.32	-.0362	.6889	7.587
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2592.6	4942.3	43546.	4778.8					
Stddev	5.3	12.8	119.	13.1					
%RSD	.20467	.25873	.27247	.27363					
#1	2588.4	4938.6	43637.	4790.3					
#2	2598.6	4956.6	43412.	4764.5					
#3	2590.8	4931.8	43589.	4781.5					

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7.2
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Sample Name: MP30214-PS1 Acquired: 4/6/2016 16:45:48 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.039	381.1	1.617	2.352	0.0625	53.15	0.092	1.548	6.095
Stddev	.0025	1.2	.0016	.006	.0001	.21	.0002	.0009	.0014
%RSD	5.771	.3077	.9824	.2683	.1096	.3947	4.411	.5725	2.320
#1	.0446	381.9	1.615	2.357	.0626	53.04	.0491	1.555	6.093
#2	.0460	381.6	1.602	2.354	.0625	53.39	.0490	1.538	6.082
#3	.0411	379.7	1.634	2.345	.0624	53.01	.0494	1.552	6.110
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	1.459	303.4	37.71	41.59	5.767	1.146	12.61	4.719	1.911
Stddev	.002	.7	.24	.21	.011	.0006	.08	.0017	.007
%RSD	.1431	.2241	.6461	.4937	.1894	.5532	6.447	3.553	.3490
#1	1.461	303.9	37.63	41.66	5.756	1.139	12.64	4.737	1.914
#2	1.458	303.7	37.98	41.76	5.767	1.145	12.68	4.704	1.903
#3	1.457	302.6	37.52	41.36	5.778	1.152	12.52	4.715	1.916
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.102	0.986	4.205	0.906	6.510	11.25	0.865	6.788	7.974
Stddev	.0061	.0068	.002	.0015	.0014	.02	.0025	.0043	.0005
%RSD	5.575	6.868	.0407	1.670	.2115	.1615	2.837	.6371	.0594
#1	1.102	1.028	4.207	.0921	.6498	11.23	.0862	6.738	7.979
#2	1.163	1.021	4.205	.0890	.6525	11.25	.0841	6.815	7.972
#3	1.040	.9907	4.204	.0908	.6507	11.27	.0890	6.812	7.970
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2500.1	5020.8	43778.	4823.8					
Stddev	3.8	3.0	78.	12.9					
%RSD	.15042	.06046	.17890	.26804					
#1	2497.3	5020.7	43815.	4833.1					
#2	2504.4	5023.9	43830.	4809.1					
#3	2498.7	5017.9	43688.	4829.3					

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Sample Name: MP30214-S1 Acquired: 4/6/2016 16:50:07 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.058	463.4	1.993	4.259	0.0659	78.44	0.098	0.692	8.237
Stddev	.0008	1.3	.015	.017	.0004	.24	.0002	.0013	.0035
%RSD	1.731	.2812	.7322	.3958	.5711	3.059	.3970	.1948	4.309
#1	.0464	461.9	1.976	4.256	.0656	78.30	.0500	.6493	8.276
#2	.0449	464.3	2.005	4.277	.0658	78.29	.0498	.6479	8.208
#3	.0460	464.0	1.997	4.244	.0663	78.71	.0497	.6504	8.225
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	1.718	349.7	57.42	68.95	6.548	5.076	30.37		

Sample Name: MP30214-S2 Acquired: 4/6/2016 16:54:24 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.046	444.0	1.907	4.097	0.029	75.44	0.085	0.628	7.881
Stddev	.0009	.9	.007	.016	.0002	.38	.0001	.0017	.0012
%RSD	2.108	.2094	.3721	.3889	.3630	.4991	.2040	.2770	.1570
#1	.0444	443.5	1.912	4.110	.0630	75.33	.0484	.6262	.7869
#2	.0438	445.0	1.899	4.102	.0630	75.85	.0485	.6296	.7894
#3	.0457	443.3	1.911	4.079	.0626	75.12	.0486	.6287	.7879
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.658	336.4	54.69	65.97	6.325	4.867	28.95	9.108	2.395
Stddev	.003	1.6	.16	.42	.012	.0014	.09	.0021	.004
%RSD	.1591	.4611	.2969	.6354	.1946	.2938	.3195	.2300	.1876
#1	1.661	335.6	54.70	65.68	6.312	4.850	28.88	9.086	2.390
#2	1.659	338.2	54.84	66.45	6.335	4.876	28.92	9.109	2.397
#3	1.656	335.5	54.52	65.78	6.329	4.874	29.05	9.128	2.399
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	1.409	1.920	4.504	5.195	1.113	11.17	1.897	1.104	1.054
Stddev	.0030	.020	.009	.0024	.002	.02	.007	.004	.000
%RSD	2.164	1.023	.1987	.4711	.2061	.1401	.3878	.3646	.0282
#1	.1374	1.903	4.496	.5221	1.113	11.16	1.895	1.100	1.054
#2	.1431	1.915	4.501	.5172	1.115	11.19	1.890	1.103	1.054
#3	.1420	1.941	4.514	.5193	1.110	11.16	1.905	1.108	1.054
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2462.9	4986.1	43732.	4854.2					
Stddev	3.0	11.4	115.	40.6					
%RSD	.12244	.22861	.26337	.83691					
#1	2463.0	4993.5	43821.	4885.0					
#2	2459.8	4973.0	43602.	4808.2					
#3	2465.9	4991.8	43774.	4869.5					

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Sample Name: FA31672-21 Acquired: 4/6/2016 16:58:42 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.011	391.1	0.053	1.963	0.103	41.80	-0.024	0.982	5.617
Stddev	.0017	1.8	.0040	.003	.0004	.48	.0003	.0006	.0017
%RSD	144.4	.4568	6.131	.1420	3.837	1.156	14.26	.6164	.3092
#1	-0.020	393.0	.0611	1.967	.0108	42.28	-0.027	.0988	.5632
#2	-0.008	389.5	.0655	1.962	.0102	41.32	-0.025	.0976	.5598
#3	-0.022	390.8	.0691	1.962	.0100	41.82	-0.020	.0984	.5620
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2955	289.6	36.67	36.69	4.860	0.110	2.522	.3752	.8003
Stddev	.0025	2.0	.11	.33	.015	.0009	.049	.0008	.0015
%RSD	.8560	.6956	.3034	.9038	.3045	7.864	1.938	.2189	.1840
#1	.2978	291.9	36.78	37.06	4.865	.0120	2.531	.3744	.8006
#2	.2928	288.1	36.56	36.43	4.843	.0103	2.469	.3753	.7987
#3	.2958	288.9	36.69	36.58	4.871	.0107	2.566	.3760	.8016
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.016	-0.0052	4.280	0.0503	5.364	10.86	-0.0009	5.922	5.058
Stddev	.0023	.0044	.004	.0005	.0020	.02	.0051	.0015	.0012
%RSD	142.0	85.27	.0968	1.037	.3711	.2019	549.8	2.457	2.341
#1	-0.010	-0.011	4.279	.0509	.5387	10.86	-0.0055	.5918	.5056
#2	.0029	-0.0098	4.278	.0500	.5353	10.84	.0045	.5909	.5047
#3	.0029	-0.0046	4.285	.0499	.5353	10.89	-0.018	.5938	.5070
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2511.4	5004.6	43960.	4780.4					
Stddev	4.5	9.1	171.	50.4					
%RSD	.17976	.18200	.38928	1.0540					
#1	2514.4	5005.5	43804.	4724.4					
#2	2506.2	4995.0	44143.	4822.2					
#3	2513.7	5013.2	43933.	4794.5					

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Sample Name: FA31672-24 Acquired: 4/6/2016 17:03:02 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.012	262.8	0.019	1.548	0.077	21.74	-0.030	0.912	4.723
Stddev	.0012	.9	.0012	.007	.0001	.08	.0002	.0005	.0019
%RSD	101.9	.3278	2.376	.4405	1.945	.3762	5.362	.5985	.4049
#1	-0.008	262.9	.0529	1.554	.0078	21.66	-0.029	.0918	.4740
#2	-0.002	263.5	.0523	1.550	.0078	21.73	-0.032	.0912	.4702
#3	-0.026	261.8	.0505	1.541	.0075	21.82	-0.029	.0907	.4728
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	4.675	236.0	19.89	25.96	3.024	0.088	2.539	2.414	6.599
Stddev	.0008	.5	.13	.24	.003	.0001	.038	.0009	.0029
%RSD	.1756	.1951	.6561	.9313	.1112	.9673	1.480	.3732	.4419
#1	.4669	236.2	19.93	25.98	3.026	.0087	2.577	.2421	.6566
#2	.4672	236.3	20.00	26.19	3.021	.0089	2.502	.2404	.6619
#3	.4685	235.5	19.75	25.71	3.027	.0087	2.538	.2416	.6613
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.011	-0.0095	4.304	0.0459	3.594	9.390	-0.0059	5.251	2.570
Stddev	.0001	.0104	.006	.0014	.0021	.009	.0067	.0003	.0007
%RSD	13.97	108.8	.1506	3.018	.5834	.0915	113.9	.0587	.2833
#1	-0.010	-0.0212	4.311	.0468	.3574	9.399	-0.0094	.5252	.2564
#2	-0.009	-0.0016	4.302	.0443	.3616	9.387	-0.0101	.5247	.2566
#3	-0.012	-0.0057	4.299	.0465	.3592	9.383	.0018	.5253	.2578
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2542.4	4978.4	43619.	4768.2					
Stddev	3.2	4.6	76.	12.7					
%RSD	.12442	.09259	.17429	.26570					
#1	2538.9	4973.4	43682.	4755.4					
#2	2545.0	4979.2	43641.	4768.5					
#3	2543.2	4982.5	43535.	4780.7					

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Sample Name: FA31929-1 Acquired: 4/6/2016 17:07:21 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.016	246.2	0.062	1.126	0.070	12.10	-0.031	0.079	4.427
Stddev	.0017	2.9	.0050	.014	.0003	.17	.0001	.0012	.0116
%RSD	110.6	1.159	10.81	1.261	3.651	1.381	4.156	1.821	2.622
#1	.0001	244.8	.0433	1.117	.0073	11.96	-0.032	.0664	.4542
#2	-0.015	244.4	.0520	1.119	.0069	12.05	-0.030	.0684	.4427
#3	-0.033	249.5	.0434	1.143	.0069	12.29	-0.031	.0687	.4310
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	4.078	218.4	15.68	21.91	1.517	0.094	2.432	2.097	8.423
Stddev	.0077	2.9	.09	.45	.031				

Sample Name: CCV Acquired: 4/6/2016 17:11:43 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2582	42.16	2.043	1.942	2.037	40.05	2.107	2.146	2.024
Stddev	.0004	.11	.004	.005	.009	.17	.002	.002	.005
%RSD	.1506	.2713	.2055	.2415	.4187	.4365	.0898	.1119	.2478
#1	.2579	42.23	2.042	1.941	2.038	40.14	2.105	2.144	2.018
#2	.2586	42.03	2.039	1.937	2.028	39.85	2.107	2.148	2.027
#3	.2582	42.23	2.047	1.947	2.045	40.17	2.109	2.147	2.026

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 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.073	40.88	40.28	43.44	1.984	2.155	40.54	2.070	1.969
Stddev	.009	.12	.12	.19	.012	.005	.13	.002	.003
%RSD	.4305	.2866	.2933	.4276	.5803	.2405	.3157	.1074	.1425
#1	2.067	40.92	40.26	43.55	1.974	2.149	40.58	2.070	1.972
#2	2.083	40.75	40.18	43.22	1.996	2.159	40.39	2.068	1.969
#3	2.068	40.98	40.41	43.53	1.981	2.156	40.64	2.072	1.967

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 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.054	2.090	2.347	2.021	2.012	1.972	1.964	1.947	2.043
Stddev	.004	.006	.004	.002	.007	.011	.002	.006	.002
%RSD	.2084	.2733	.1691	.0756	.3561	.5468	.0818	.3360	.0954
#1	2.049	2.090	2.343	2.022	2.013	1.962	1.965	1.940	2.044
#2	2.054	2.084	2.346	2.020	2.004	1.984	1.964	1.952	2.041
#3	2.058	2.096	2.351	2.022	2.018	1.971	1.962	1.951	2.044

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/6/2016 17:11:43 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2309.1	4646.0	41584.	4622.7
Stddev	2.7	10.2	253.	28.5
%RSD	.11655	.21932	.60784	.61584
#1	2311.8	4657.7	41774.	4613.9
#2	2306.4	4640.8	41297.	4654.6
#3	2309.0	4639.5	41680.	4599.7

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 Value Range

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 Value Range

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 Value Range

Sample Name: CCB Acquired: 4/6/2016 17:15:54 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0022	.0001	.0001	.0002	.0022	.0001	.0001	-0.001
Stddev	.0001	.0061	.0004	.0002	.0001	.0027	.0001	.0000	.0001
%RSD	236.4	283.8	417.2	276.6	22.17	118.8	42.09	11.86	92.76
#1	-0.002	-0.025	.0000	-0.001	.0003	.0009	.0001	.0001	.0000
#2	.0000	.0091	.0005	.0001	.0002	.0053	.0002	.0001	-0.002
#3	.0001	-0.002	-0.002	.0003	.0002	.0005	.0001	.0001	-0.003

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 High Limit Low Limit

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 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	.0117	.0204	.0099	.0001	F .0015	-0.0093	-0.001	.0006
Stddev	.0001	.0033	.0196	.0130	.0000	.0003	.0058	.0001	.0003
%RSD	31.09	28.01	96.37	131.9	26.65	18.41	62.91	59.95	51.00
#1	-0.006	.0146	.0287	.0236	.0001	.0017	-0.0107	-0.001	.0009
#2	-0.004	.0124	.0344	-0.023	.0001	.0015	-0.0142	-0.002	.0003
#3	-0.003	.0081	-0.0021	.0084	.0001	.0012	-0.0029	.0000	.0008

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 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	-0.0009	.0003	.0001	.0003	.0010	-0.0004	.0001	.0001
Stddev	.0005	.0011	.0001	.0003	.0001	.0001	.0004	.0002	.0000
%RSD	48.75	121.7	27.71	252.8	25.91	7.426	84.04	364.9	15.71
#1	.0011	-0.0012	.0002	-0.001	.0004	.0011	-0.0007	.0002	.0002
#2	.0014	-0.0018	.0003	.0000	.0002	.0010	-0.0006	.0001	.0001
#3	.0005	.0003	.0002	.0004	.0003	.0010	.0000	-0.002	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/6/2016 17:15:54 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2623.8	4825.0	42751.	4656.3
Stddev	1.3	10.0	201.	15.6
%RSD	.05104	.20805	.47112	.33570
#1	2622.6	4823.3	42619.	4638.3
#2	2625.3	4815.9	42652.	4665.1
#3	2623.6	4835.8	42983.	4665.5

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: FA31929-5 Acquired: 4/6/2016 17:20:27 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.011	146.8	.0275	.7170	.0034	17.55	-0.017	.0372	.2623
Stddev	.0005	.2	.0016	.0028	.0001	.03	.0003	.0009	.0036
%RSD	42.57	.1034	5.671	.3880	2.931	.1688	15.05	2.474	1.362
#1	-.0010	147.0	.0259	.7171	.0033	17.52	-.0014	.0375	.2629
#2	-.0016	146.7	.0290	.7142	.0035	17.58	-.0019	.0362	.2656
#3	-.0007	146.7	.0274	.7198	.0033	17.54	-.0017	.0380	.2585
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)
Avg	.2764	141.9	15.89	13.11	1.269	.0091	1.435	.1252	1.613
Stddev	.0014	.5	.09	.18	.005	.0004	.008	.0011	.006
%RSD	.5159	.3269	.5956	1.404	.3685	4.236	.5351	.8641	.3586
#1	.2781	142.3	15.97	12.89	1.272	.0093	1.429	.1259	1.610
#2	.2756	142.1	15.91	13.23	1.272	.0094	1.444	.1239	1.610
#3	.2756	141.4	15.78	13.20	1.264	.0087	1.432	.1257	1.620
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0014	-0.0057	3.356	.0449	.2034	5.475	-0.069	.3310	.2242
Stddev	.0021	.0069	.004	.0030	.0009	.006	.0088	.0008	.0007
%RSD	145.1	121.6	.1276	6.637	.4627	.1163	127.4	.2286	.3335
#1	-.0002	.0006	3.351	.0480	.2033	5.482	-.0166	.3316	.2000
#2	.0038	-.0130	3.359	.0421	.2043	5.473	-.0050	.3312	.1996
#3	.0007	-.0046	3.359	.0446	.2024	5.470	.0008	.3302	.2010
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2563.0	4878.5	43320.	4657.5					
Stddev	6.5	8.4	145.	11.6					
%RSD	.25283	.17170	.33498	.24932					
#1	2558.1	4871.6	43423.	4647.9					
#2	2560.7	4876.2	43154.	4654.2					
#3	2570.4	4887.8	43384.	4670.4					

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Sample Name: FA31929-8 Acquired: 4/6/2016 17:24:50 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.006	315.7	.0430	2.385	.0080	37.42	-0.027	.0704	.4696
Stddev	.0010	1.1	.0063	.014	.0003	.29	.0002	.0001	.0014
%RSD	153.9	.3453	14.65	.5914	3.360	.7868	6.068	.1389	.2988
#1	-.0008	316.1	.0367	2.390	.0081	37.43	-.0029	.0704	.4698
#2	-.0015	316.5	.0430	2.395	.0082	37.70	-.0026	.0705	.4681
#3	.0004	314.5	.0492	2.369	.0077	37.12	-.0026	.0703	.4709
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)
Avg	3.561	266.8	20.56	23.55	5.137	.0138	2.642	.2745	.8841
Stddev	.011	1.7	.14	.34	.011	.0010	.037	.0009	.0062
%RSD	.3102	.6493	.6889	1.461	.2130	6.990	1.410	.3158	.7062
#1	3.550	266.9	20.69	23.73	5.137	.0145	2.631	.2755	.8849
#2	3.572	268.5	20.58	23.77	5.126	.0127	2.611	.2739	.8775
#3	3.560	265.0	20.41	23.15	5.148	.0143	2.683	.2742	.8899
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0003	-0.0131	4.407	.0460	.6212	8.279	.0004	.5995	.4032
Stddev	.0032	.0025	.016	.0018	.0019	.009	.0026	.0020	.0007
%RSD	1067.	18.79	.3555	3.990	.3079	.1041	728.2	.3318	.1726
#1	-.0021	-.0141	4.403	.0442	.6213	8.276	.0019	.6006	.4030
#2	-.0009	-.0103	4.424	.0461	.6231	8.272	-.0026	.6006	.4027
#3	.0039	-.0150	4.394	.0479	.6193	8.288	.0018	.5972	.4040
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2523.4	4911.0	43831.	4757.7					
Stddev	1.8	12.5	146.	46.5					
%RSD	.07079	.25427	.33255	.97733					
#1	2525.3	4917.8	43985.	4742.8					
#2	2521.8	4896.6	43813.	4720.4					
#3	2523.2	4918.6	43695.	4809.8					

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7.2
7

Sample Name: FA31929-12 Acquired: 4/6/2016 17:29:12 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.029	133.6	.0464	.3634	.0039	7.375	-0.023	.0449	.3350
Stddev	.0011	.0	.0040	.0023	.0002	.041	.0001	.0004	.0019
%RSD	37.84	.0161	8.633	.6212	5.000	.5514	4.768	.9572	.5592
#1	-.0019	133.5	.0418	.3648	.0039	7.418	-.0022	.0454	.3347
#2	-.0026	133.6	.0489	.3646	.0036	7.368	-.0023	.0448	.3370
#3	-.0040	133.6	.0486	.3608	.0040	7.337	-.0024	.0445	.3332
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)
Avg	.1609	146.0	15.55	16.62	.5974	2.091	1.295	.6537	
Stddev	.0006	.2	.15	.08	.0024	.0005	.039	.0008	.0010
%RSD	.3943	.1420	.9812	.4555	.3948	8.316	1.845	.6350	.1557
#1	.1601	146.3	15.40	16.67	.5952	.0062	2.128	.1287	.6547
#2	.1611	145.9	15.70	16.53	.5999	.0052	2.094	.1295	.6527
#3	.1613	145.9	15.56	16.65	.5970	.0059	2.051	.1303	.6537
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0011	-0.0029	3.128	.0448	.1071	6.295	-0.073	.3255	.2147
Stddev	.0028	.0103	.009	.0020	.0001	.002	.0040	.0014	.0005
%RSD	245.6	351.4	.2908	4.550	.0675	.0351	54.15	.4216	.2501
#1	-.0013	-.0031	3.138	.0441	.1071	6.295	-.0058	.3265	.2144
#2	.0042	-.0131	3.127	.0470	.1071	6.293	-.0044	.3260	.2144
#3	.0005	.0074	3.120	.0431	.1070	6.298	-.0118	.3239	.2153
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2558.8	4869.8	43265.	4695.7					
Stddev	1.5	15.2	64.	32.4					
%RSD	.06054	.31147	.14797	.69093					
#1	2557.2	4854.1	43277.	4659.2					
#2	2559.0	4870.9	43323.	4706.2					
#3	2560.3	4884.4	43196.	4721.5					

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Sample Name: FA31929-15 Acquired: 4/6/2016 17:33:34 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.023	187.8	.0740	.6155	.0069	7.775	-0.032	.0971	.5107
Stddev	.0004	1.4	.0020	.0016	.0002	.10	.0002	.0004	.0005
%RSD	17.94	.7209	2.666	.2548	3.171	.1335	4.731	.4153	.0913
#1	-.0027	186.8	.0748	.6155	.0070	7.766	-.0030	.0967	.5103
#2	-.0020	187.1	.0717	.6139	.0066	7.787	-.0033	.0971	.5113
#3	-.0020	189.3	.0754	.6170	.0069	7.772	-.0033	.0975	.5106
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)
Avg	.4885	200.4	17.99	29.08	1.062	.0056	2.319	.2018	1.265
Stddev	.0013	.8	.14	.18	.006	.0006	.026	.0011	.005
%RSD	.2645	.3843	.7940	.6149	.5830	10.39	1.119	.5574	.4186
#1	.4876	199.8	17.91	29.00					

Sample Name: FA31929-18 Acquired: 4/6/2016 17:37:55 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.015	177.5	0.383	7.862	0.040	15.13	-0.026	0.075	3.132
Stddev	0.0014	.5	.0044	.0029	.0003	.06	.0002	.0006	.0007
%RSD	91.61	.2609	11.36	.3672	6.380	.3900	5.911	1.523	.2117
#1	-0.027	177.4	.0392	.7829	.0042	15.18	-0.027	.0377	.3140
#2	-0.018	178.0	.0336	.7880	.0037	15.15	-0.027	.0379	.3130
#3	.0000	177.0	.0422	.7878	.0042	15.07	-0.024	.0368	.3127
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)
Avg	4.457	165.4	14.89	15.86	9.551	0.083	1.738	1.492	1.712
Stddev	.0009	.5	.07	.25	.0011	.0008	.025	.0004	.003
%RSD	.1981	.2863	.4768	1.592	.1134	9.808	1.450	.2418	.1444
#1	4.457	166.0	14.88	15.61	.9552	.0081	1.712	1.491	1.714
#2	4.449	165.1	14.97	15.86	.9539	.0076	1.762	1.495	1.709
#3	4.466	165.2	14.83	16.11	.9561	.0092	1.740	1.488	1.712
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.017	-0.149	3.538	0.047	2.196	6.077	-0.031	3.807	2.298
Stddev	.0027	.0108	.006	.0004	.0014	.004	.0021	.0009	.0005
%RSD	160.2	72.34	.1749	.9083	.6587	.0585	69.79	.2420	.2178
#1	.0018	-0.0026	3.531	.0465	.2192	6.081	-0.0055	.3810	.2292
#2	-0.011	-0.0227	3.544	.0472	.2212	6.074	-0.0015	.3797	.2299
#3	.0043	-0.0195	3.540	.0465	.2184	6.075	-0.0022	.3815	.2302
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2556.8	4866.1	4345.2	4710.3					
Stddev	9.3	.8	45.	36.3					
%RSD	.36487	.01679	.10421	.77086					
#1	2546.5	4865.1	4348.3	4668.4					
#2	2564.7	4866.5	4347.3	4732.3					
#3	2559.2	4866.6	4340.0	4730.2					

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Sample Name: FA31929-21 Acquired: 4/6/2016 17:42:18 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0027	254.0	0.304	1.863	0.056	34.81	-0.011	0.056	3.910
Stddev	.0013	1.2	.0030	.007	.0005	.14	.0002	.0005	.0015
%RSD	49.16	.4564	9.935	.3519	8.102	.3905	16.01	.9638	.3897
#1	-0.022	254.9	.0339	1.861	.0060	34.97	-0.013	.0550	.3901
#2	-0.042	254.3	.0285	1.858	.0057	34.72	-0.012	.0557	.3901
#3	-0.017	252.7	.0288	1.871	.0051	34.74	-0.009	.0560	.3927
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)
Avg	2.339	210.8	19.02	19.25	4.303	0.098	2.394	2.506	2.813
Stddev	.002	.8	.10	.21	.013	.0002	.029	.0004	.004
%RSD	.0880	.3776	.5218	1.082	.2968	2.430	1.208	.1533	.1408
#1	2.339	211.5	18.92	19.36	4.289	.0096	2.420	.2502	2.814
#2	2.337	211.0	19.12	19.38	4.312	.0097	2.400	.2509	2.817
#3	2.341	209.9	19.02	19.01	4.310	.0100	2.363	.2508	2.809
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.001	-0.098	4.210	0.0485	5.260	6.181	-0.108	4.582	5.064
Stddev	.0021	.0079	.021	.0014	.0014	.011	.0019	.0019	.0011
%RSD	246.8	80.12	.4984	2.979	2.638	1.736	17.73	.4153	.2115
#1	-0.004	-0.116	4.204	.0475	.5276	6.169	-0.122	.4566	.5075
#2	-0.020	-0.166	4.192	.0502	.5253	6.186	-0.117	.4603	.5061
#3	.0021	-0.012	4.233	.0478	.5251	6.188	-0.086	.4577	.5055
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2527.7	4861.0	4357.0	4753.8					
Stddev	4.0	13.6	9.	17.1					
%RSD	.15691	.27960	.02106	.35891					
#1	2523.2	4860.4	4357.0	4741.9					
#2	2530.5	4874.9	4358.0	4746.2					
#3	2529.4	4847.8	4356.1	4773.4					

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7.2
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Sample Name: FA31929-22 Acquired: 4/6/2016 17:46:40 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0027	269.1	0.341	2.003	0.061	36.32	-0.015	0.085	4.272
Stddev	.0012	.4	.0055	.004	.0003	.10	.0002	.0004	.0012
%RSD	44.48	.1611	16.21	.1979	4.411	28.48	13.26	.6115	28.70
#1	-0.016	268.9	.0280	1.999	.0063	36.33	-0.013	.0581	4.259
#2	-0.025	268.8	.0387	2.004	.0058	36.42	-0.016	.0586	4.276
#3	-0.040	269.6	.0356	2.007	.0063	36.22	-0.016	.0588	4.282
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)
Avg	2.335	222.2	18.97	20.42	4.611	0.104	2.420	2.684	1.776
Stddev	.005	.5	.12	.14	.017	.0003	.035	.0008	.007
%RSD	.2250	.2281	.6095	.7000	.3577	3.084	1.432	.3115	.3904
#1	2.331	221.6	19.09	20.26	4.594	.0104	2.382	.2685	1.783
#2	2.341	222.2	18.86	20.47	4.610	.0107	2.428	.2692	1.769
#3	2.334	222.7	18.95	20.53	4.627	.0100	2.450	.2675	1.775
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.005	-0.113	4.332	0.051	5.525	6.542	-0.072	4.826	4.618
Stddev	.0030	.0048	.016	.0011	.0011	.016	.0059	.0020	.0013
%RSD	637.4	42.37	.3768	2.155	.2029	2.363	81.70	.4092	.2855
#1	-0.011	-0.164	4.315	.0493	.5524	6.525	-0.0005	.4817	4.607
#2	-0.014	-0.069	4.347	.0513	.5515	6.553	-0.0098	.4848	4.633
#3	.0040	-0.107	4.335	.0498	.5537	6.550	-0.0115	.4812	4.613
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2535.7	4880.8	4349.1	4712.7					
Stddev	5.0	12.3	54.	5.6					
%RSD	.19860	.25189	.12439	.11872					
#1	2530.4	4885.7	4354.4	4706.4					
#2	2536.2	4866.8	4349.3	4717.2					
#3	2540.4	4889.8	4343.6	4714.4					

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Sample Name: FA31929-25 Acquired: 4/6/2016 17:51:02 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.011	248.7	0.392	2.143	0.067	34.08	-0.016	0.077	3.833
Stddev	.0020	.5	.0063	.009	.0002	.06	.0002	.0002	.0028
%RSD	190.8	.1848	16.14	.4214	2.757	.1781	14.02	.2770	.7265
#1	.0012	248.8	.0326	2.150	.0067	34.13	-0.019	.0676	.3805
#2	-0.019	249.2	.0396	2.145	.0069	34.01	-0.016	.0676	.3861
#3	-0.025	248.2	.0453	2.133	.0065	34.09	-0.014	.0679	.3832
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)
Avg	5.128	213.8	14.36	21.99	4.307	0.082	2.105	2.336	1.729
Stddev	.0029	.2	.15	.13	.013	.0003	.013	.0009	.004
%RSD	.5652	.0825	1.072	.5775	.2926	3.209	6.378	.3640	.2025
#1	5.129	214.0	14.23	21.92	4.297	.0079	2.120	.2342	1.732
#2	5.156	213.8	14.53	22.14	4.303	.0082	2.097	.2339	1.725
#3	5.098	213.6	14.33	21.92	4.321	.0085	2.097	.2326	1.730
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr40				

Sample Name: FA31929-28 Acquired: 4/6/2016 17:55:24 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.017	314.2	0.386	2.667	0.076	49.18	-0.015	0.067	4.170
Stddev	.0005	.3	.0006	.004	.0003	.17	.0000	.0005	.0010
%RSD	29.62	.0934	1.618	.1310	4.096	.3410	3.337	.6756	.2467
#1	-.0018	313.9	.0390	2.665	.0077	48.99	-.0014	.0702	.4162
#2	-.0012	314.4	.0390	2.671	.0078	49.32	-.0015	.0695	.4181
#3	-.0022	314.3	.0379	2.664	.0072	49.22	-.0015	.0693	.4166
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5.758	256.4	18.18	24.26	5.939	0.098	2.953	2.897	3.664
Stddev	.014	.3	.07	.31	.041	.0005	.031	.0007	.009
%RSD	.2506	.1045	.3972	1.282	.6962	5.096	1.054	.2542	.2353
#1	5.774	256.2	18.10	24.29	5.961	.0093	2.930	.2900	3.655
#2	5.745	256.7	18.23	24.55	5.964	.0098	2.941	.2889	3.673
#3	5.755	256.3	18.22	23.93	5.891	.0103	2.988	.2903	3.663
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.075	-0.101	4.296	0.381	7.485	6.852	-0.125	5.256	8.269
Stddev	.0020	.0044	.010	.0020	.0009	.023	.0027	.0031	.0008
%RSD	27.10	43.71	.2368	5.249	.1206	.3380	21.62	.5934	.0975
#1	.0067	-.0152	4.298	.0358	.7480	6.860	-.0130	.5266	.8264
#2	.0099	-.0073	4.285	.0390	.7480	6.870	-.0148	.5280	.8264
#3	.0061	-.0078	4.305	.0394	.7496	6.826	-.0095	.5220	.8278
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2503.0	4836.0	43494.	4747.5					
Stddev	1.5	4.6	77.	27.0					
%RSD	.05991	.09584	.17775	.56770					
#1	2504.6	4831.3	43425.	4775.0					
#2	2501.7	4840.6	43480.	4721.2					
#3	2502.8	4836.1	43577.	4746.4					

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Sample Name: FA31929-32 Acquired: 4/6/2016 17:59:45 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.027	267.0	0.425	1.089	0.076	29.51	-0.031	0.748	4.537
Stddev	.0012	1.1	.0053	.005	.0001	.15	.0001	.0001	.0019
%RSD	43.63	.4170	12.42	.4755	1.879	.5042	3.779	.1262	.4148
#1	-.0022	268.2	.0485	1.095	.0078	29.55	-.0032	.0749	.4517
#2	-.0018	266.1	.0388	1.087	.0077	29.35	-.0030	.0747	.4541
#3	-.0040	266.8	.0400	1.084	.0075	29.64	-.0031	.0747	.4554
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.065	226.5	17.56	22.80	1.810	0.078	2.873	2.217	8.237
Stddev	.003	.7	.04	.14	.005	.0002	.010	.0020	.0023
%RSD	.2979	.3054	.2051	.6208	.2606	2.745	.3351	.9198	.2755
#1	1.066	227.2	17.56	22.87	1.806	.0080	2.864	.2240	.8258
#2	1.067	225.9	17.53	22.64	1.808	.0077	2.872	.2201	.8213
#3	1.061	226.4	17.60	22.90	1.815	.0076	2.883	.2210	.8241
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.025	-0.099	3.980	0.386	3.284	9.517	-0.077	5.303	2.682
Stddev	.0022	.0087	.010	.0023	.0009	.014	.0033	.0021	.0002
%RSD	87.25	87.89	.2462	6.035	.2892	.1426	42.66	.3960	.0754
#1	-.0011	-.0127	3.991	.0360	.3291	9.504	-.0091	.5281	.2681
#2	-.0014	-.0168	3.978	.0393	.3273	9.516	-.0040	.5323	.2680
#3	-.0051	-.0001	3.972	.0406	.3288	9.531	-.0101	.5305	.2684
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2532.7	4910.9	43986.	4752.2					
Stddev	3.7	8.2	74.	14.3					
%RSD	.14586	.16727	.16751	.30051					
#1	2528.5	4901.5	44045.	4736.9					
#2	2535.0	4914.9	43904.	4765.2					
#3	2534.8	4916.4	44011.	4754.6					

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7.2
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Sample Name: CCV Acquired: 4/6/2016 18:04:06 Type: QC
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.612	42.69	2.055	1.932	2.048	40.06	2.119	2.169	2.048
Stddev	.0005	.20	.007	.007	.007	.08	.000	.002	.008
%RSD	.1777	.4605	.3202	.3794	.3248	.2072	.0184	.0699	.3799
#1	.2615	42.72	2.062	1.934	2.055	40.00	2.119	2.171	2.056
#2	.2607	42.48	2.053	1.924	2.042	40.02	2.119	2.168	2.044
#3	.2614	42.87	2.050	1.939	2.048	40.15	2.119	2.169	2.042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.098	41.18	40.37	43.88	2.005	2.184	40.70	2.073	1.954
Stddev	.001	.12	.18	.03	.005	.003	.12	.001	.002
%RSD	.0630	.2913	.4367	.0795	.2315	.1230	.2912	.0566	.0947
#1	2.097	41.24	40.34	43.84	2.009	2.184	40.71	2.073	1.952
#2	2.100	41.04	40.22	43.91	2.007	2.182	40.58	2.072	1.956
#3	2.098	41.25	40.56	43.90	2.000	2.187	40.82	2.075	1.953
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.065	2.103	2.355	2.011	2.016	1.983	1.948	1.949	2.046
Stddev	.003	.006	.003	.001	.009	.004	.002	.005	.001
%RSD	.1562	.2703	.1057	.0699	.4251	.1774	.1018	.2490	.0611
#1	2.067	2.102	2.352	2.009	2.021	1.983	1.950	1.954	2.046
#2	2.061	2.098	2.357	2.012	2.006	1.986	1.946	1.948	2.048
#3	2.067	2.109	2.355	2.010	2.021	1.979	1.949	1.944	2.045
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 4/6/2016 18:04:06 Type: QC
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2311.9	4609.5	41232.	4573.3
Stddev	1.2	4.3	55.	13.6
%RSD	.05080	.09247	.13355	.29651
#1	2313.1	4607.8	41295.	4576.0
#2	2311.8	4614.4	41204.	4585.2
#3	2310.7	4606.4	41196.	4558.5

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Sample Name: CCB Acquired: 4/6/2016 18:08:18 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	0.036	0.000	0.001	0.002	0.023	0.001	0.001	-0.001
Stddev	.0002	.0063	.0001	.0002	.0000	.0036	.0000	.0001	.0001
%RSD	56.32	175.2	140.8	182.1	1.616	155.1	13.55	84.81	104.4

#1	-0.002	.007	.0001	.0003	.0002	.0016	.0001	.0001	-0.001
#2	-0.005	.0108	.0000	.0001	.0002	.0062	.0001	.0002	.0000
#3	-0.002	-0.008	.0000	-0.001	.0002	-0.008	.0001	.0000	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.005	0.118	0.389	-0.145	0.001	F -0.015	-0.127	-0.001	0.010
Stddev	.0001	.0004	.0079	.0143	.0000	.0003	.0032	.0002	.0004
%RSD	20.27	3.580	20.26	98.35	4.238	23.00	25.03	124.2	40.87

#1	-0.006	.0114	.0347	-.0294	.0001	.0019	-0.115	.0000	.0009
#2	-0.004	.0117	.0340	-.0009	.0001	.0014	-0.164	-0.002	.0006
#3	-0.006	.0122	.0480	-.0133	.0001	.0012	-0.104	-0.003	.0014

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.001	-0.002	0.004	0.005	0.003	0.009	-0.009	0.000	0.001
Stddev	.0006	.0009	.0002	.0001	.0001	.0001	.0006	.000	.0001
%RSD	692.7	491.1	58.69	24.68	22.02	9.548	69.50	350.1	59.73

#1	-0.006	-0.006	.0001	.0005	.0003	.0010	-0.003	.0001	.0002
#2	.0002	-0.007	.0005	.0006	.0003	.0009	-0.009	.0000	.0000
#3	.0006	.0008	.0005	.0003	.0002	.0009	-0.015	-0.002	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/6/2016 18:08:18 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2603.4	4739.7	4281.0	4651.1
Stddev	2.1	5.1	182.	16.4
%RSD	.07880	.10656	.42496	.35157

#1	2605.3	4741.8	42622.	4667.6
#2	2601.2	4743.4	42985.	4650.7
#3	2603.7	4733.9	42822.	4634.9

7.2
7

Sample Name: FA31929-35 Acquired: 4/6/2016 18:12:50 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.015	381.9	0.527	3.645	0.114	93.68	-0.006	1.106	5498
Stddev	.0003	.8	.0056	.007	.0004	.26	.0003	.0006	.0048
%RSD	18.33	2068	10.64	1930	3.952	2809	46.97	5806	8745

#1	-0.015	381.0	.0541	3.642	.0111	93.64	-0.004	1.113	5552
#2	-0.012	382.6	.0575	3.653	.0119	93.44	-0.008	1.103	5462
#3	-0.017	382.1	.0465	3.640	.0112	93.96	-0.004	1.101	5479

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	9652	299.3	19.86	34.27	7.780	0.131	3.414	3524	1.189
Stddev	.0012	.7	.16	.17	.027	.0006	.020	.0009	.008
%RSD	.1215	.2450	.7936	.4983	.3433	4.234	5.776	.2600	.7017

#1	.9639	298.6	19.77	34.36	7.810	.0133	3.435	.3534	1.192
#2	.9622	299.2	19.77	34.36	7.760	.0135	3.396	.3518	1.195
#3	.9654	300.1	20.04	34.07	7.770	.0125	3.410	.3518	1.179

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0058	-0.0089	4.719	0.0414	1.226	9.830	-0.0083	6.592	3682
Stddev	.0031	.0007	.001	.0014	.002	.013	.0077	.0018	.0017
%RSD	53.15	8.033	.0186	3.426	.1728	.1343	91.97	.2739	.4513

#1	.0028	-0.0089	4.719	.0419	1.224	9.843	-0.0168	6.613	.3701
#2	.0090	-0.0082	4.718	.0398	1.227	9.816	-0.0019	6.580	.3672
#3	.0057	-0.0097	4.719	.0426	1.228	9.831	-0.0063	6.583	.3673

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2475.6	4879.2	43954.	4858.6
Stddev	4.4	5.4	74.	12.6
%RSD	.17794	.11049	.16764	.26020

#1	2471.4	4876.7	43924.	4844.2
#2	2480.2	4885.3	44038.	4868.1
#3	2475.1	4875.5	43900.	4863.3

Sample Name: FA31929-38 Acquired: 4/6/2016 18:17:11 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.021	320.9	0.479	2.704	0.084	56.83	-0.015	0.824	4605
Stddev	.0004	.5	.0032	.004	.0003	.20	.0004	.0005	.0017
%RSD	19.67	.1622	6.752	.1599	3.367	.3508	26.54	.5487	.3615

#1	-0.021	320.5	.0457	2.708	.0083	56.98	-0.019	.0828	.4614
#2	-0.017	320.8	.0516	2.699	.0087	56.60	-0.011	.0823	.4585
#3	-0.025	321.5	.0465	2.706	.0082	56.91	-0.015	.0819	.4615

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	9517	257.5	27.11	29.81	5.802	0.109	3.200	3016	1.598
Stddev	.0013	.6	.09	.30	.006	.0005	.041	.0018	.007
%RSD	.1416	.2209	.3168	1.022	.0966	4.956	1.295	.6057	.4494

#1	.9504	257.6	27.06	30.06	5.796	.0106	3.245	.2999	1.603
#2	.9531	256.9	27.21	29.89	5.807	.0116	3.163	.3035	1.601
#3	.9516	258.0	27.07	29.47	5.804	.0107	3.192	.3014	1.590

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.000	-0.0040	4.165	0.377	8.459	8.187	-0.0089	5.401	3.783
Stddev	.004	.0077	.010	.0009	.0041	.011	.0073	.0018	.0001
%RSD	36190.	192.5	2471	2.474	.4882	.1395	81.92	.3273	.0292

#1	-0.0034	-0.0033	4.169	.0374	.8420	8.181	-0.0009	.5389	.3783
#2	.0036	-0.0121	4.154	.0369	.8455	8.201	-0.0105	.5392	.3782
#3	-0.0003	.0033	4.173	.0387	.8502	8.181	-0.0152	.5421	.3784

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2506.6	4878.7	43741.	4736.5
Stddev	3.5	3.5	21.	14.2
%RSD	.14007	.07177	.04892	.29880

#1	2505.2	4882.5	43717.	4729.6
#2	2504.0	4875.6	43759.	4752.8
#3	2510.6	4878.0	43746.	4727.1

Sample Name: FA31931-1 Acquired: 4/6/2016 18:21:33 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.007	290.9	0.0356	2.513	0.0666	73.36	-0.014	0.0656	4.031
Stddev	0.006	1.4	0.016	0.10	0.002	0.36	0.003	0.004	0.005
%RSD	79.91	4648	4.375	3.898	2.867	4.880	18.75	0.611	0.1133
#1	-0.010	291.2	0.0367	2.517	0.066	73.36	-0.017	0.0657	4.029
#2	-0.011	292.1	0.0364	2.521	0.065	73.71	-0.012	0.0652	4.036
#3	-0.001	289.5	0.0339	2.502	0.069	73.00	-0.012	0.0660	4.028
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	4.689	233.9	21.36	27.39	5.979	0.101	2.529	2.615	3.843
Stddev	0.001	1.1	0.13	0.13	0.09	0.010	0.014	0.011	0.006
%RSD	0.156	0.4520	0.6202	0.4723	1.455	9.847	5.514	0.4377	0.1644
#1	4.690	234.0	21.50	27.37	5.977	0.108	2.525	2.627	3.838
#2	4.689	234.9	21.35	27.53	5.989	0.090	2.518	2.604	3.850
#3	4.690	232.8	21.23	27.28	5.972	0.106	2.545	2.615	3.841
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.020	-0.018	4.341	0.0429	1.088	7.010	-0.040	4.957	-0.077
Stddev	0.0053	0.0140	0.009	0.022	0.04	0.005	0.067	0.013	0.002
%RSD	261.8	118.9	0.2075	5.036	0.3476	0.672	167.9	0.2571	0.0777
#1	-0.027	-0.234	4.341	0.0454	1.085	7.009	0.030	4.955	0.076
#2	0.011	-0.0158	4.333	0.0422	1.092	7.015	-0.0103	4.945	0.076
#3	0.0078	0.0038	4.351	0.0413	1.086	7.006	-0.046	4.970	0.080
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2512.8	4868.5	43488.	4721.1					
Stddev	1.1	15.3	24.	14.3					
%RSD	0.04426	0.31376	0.05473	0.30255					
#1	2511.6	4863.9	43484.	4723.7					
#2	2513.7	4885.6	43514.	4705.6					
#3	2513.3	4856.1	43467.	4733.8					

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Sample Name: FA31931-4 Acquired: 4/6/2016 18:25:54 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.010	343.1	0.0391	4.356	0.082	132.1	-0.002	0.0764	4.491
Stddev	0.017	1.8	0.020	0.22	0.001	0.3	0.002	0.006	0.043
%RSD	165.9	0.5220	5.161	0.5086	1.575	0.1991	86.36	0.8413	0.9660
#1	0.009	342.4	0.0383	4.369	0.081	131.8	-0.004	0.0761	4.515
#2	-0.023	341.8	0.0414	4.330	0.083	132.1	-0.004	0.0759	4.518
#3	-0.017	345.1	0.0376	4.368	0.082	132.4	0.000	0.0771	4.441
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	4.741	276.1	21.81	34.06	8.785	0.129	2.951	3.169	8.820
Stddev	0.003	1.5	0.10	0.30	0.056	0.006	0.049	0.006	0.052
%RSD	0.611	0.5447	0.4528	0.8835	0.6424	4.868	1.649	0.1767	0.5940
#1	4.739	275.1	21.85	33.86	8.797	0.135	2.954	3.175	8.766
#2	4.740	275.4	21.69	33.92	8.834	0.123	2.901	3.168	8.824
#3	4.745	277.9	21.88	34.41	8.723	0.128	2.999	3.164	8.871
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.020	-0.003	4.686	0.0425	1.920	7.725	-0.0108	5.976	-0.130
Stddev	0.013	0.0072	0.008	0.023	0.09	0.016	0.035	0.024	0.003
%RSD	64.72	237.0	0.1676	5.324	0.4897	0.2091	32.33	0.3985	0.1008
#1	0.007	0.053	4.681	0.0436	1.920	7.732	-0.0071	5.973	0.133
#2	0.032	0.022	4.681	0.0399	1.911	7.736	-0.0112	6.002	0.130
#3	0.020	-0.0084	4.695	0.0439	1.930	7.706	-0.0141	5.954	0.127
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2476.7	4860.2	43830.	4771.2					
Stddev	9.3	12.8	222.	34.5					
%RSD	0.37405	0.26342	0.50636	0.72248					
#1	2483.6	4874.9	43811.	4803.0					
#2	2480.4	4854.3	43618.	4776.1					
#3	2466.2	4851.4	44060.	4734.6					

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7.2
7

Sample Name: CRIA Acquired: 4/6/2016 18:30:14 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.092	2396	0.110	2.041	0.054	1.096	0.058	0.091	0.114
Stddev	0.002	0.048	0.004	0.016	0.001	0.008	0.001	0.004	0.000
%RSD	2.269	2.006	3.806	0.7757	0.9479	0.7077	1.159	0.6253	0.806
#1	0.094	2353	0.106	2.051	0.054	1.105	0.057	0.089	0.114
#2	0.090	2448	0.114	2.049	0.054	1.091	0.058	0.089	0.114
#3	0.092	2388	0.111	2.023	0.054	1.092	0.059	0.095	0.114
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.281	3535	10.56	5.784	0.168	0.556	10.70	0.456	0.062
Stddev	0.001	0.063	0.10	0.053	0.002	0.001	0.07	0.003	0.003
%RSD	0.5142	1.794	0.9523	0.9124	1.422	0.972	0.6434	0.6204	4.213
#1	0.281	3596	10.66	5.828	0.169	0.556	10.74	0.456	0.059
#2	0.282	3540	10.58	5.799	0.169	0.557	10.73	0.453	0.062
#3	0.279	3469	10.46	5.725	0.165	0.556	10.62	0.459	0.065
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.054	0.105	0.347	0.0543	0.107	0.109	0.100	0.501	0.242
Stddev	0.005	0.019	0.002	0.002	0.001	0.001	0.002	0.002	0.001
%RSD	10.14	17.99	0.6767	0.4157	0.6767	0.8217	2.306	0.4595	0.5179
#1	0.058	0.117	0.349	0.0544	0.108	0.109	0.099	0.502	0.240
#2	0.048	0.115	0.345	0.0540	0.108	0.110	0.102	0.502	0.242
#3	0.055	0.083	0.349	0.0544	0.107	0.108	0.098	0.498	0.243
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2546.9	4729.4	42296.	4686.2					
Stddev	3.1	7.8	311.	27.6					
%RSD	0.12258	0.16567	0.73624	0.58878					
#1	2550.0	4729.8	42100.	4666.8					
#2	2546.9	4737.0	42132.	4674.1					
#3	2543.7	4721.3	42655.	4717.8					

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Sample Name: ICESA Acquired: 4/6/2016 18:34:42 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Avg	-0.006	F 527.1	0.007	-0.002	0.000	464.1	-0.005	-0.003
Stddev	0.002	5.5	0.006	0.001	0.00	4.8	0.001	0.001
%RSD	37.75	1.034	80.62	89.41	154.5	1.041	13.96	39.41
#1	-0.005	527.9	0.005	-0.003	0.000	468.1	-0.005	-0.002
#2	-0.008	521.2	0.013	-0.001	-0.001	458.7	-0.005	-0.004
#3	-0.004	532.1	0.003	-0.001	0.000	465.4	-0.006	-0.002
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	0.001	0.003	185.6	0.673	F 553.4	-0.003	-0.007	-1.085
Stddev	0.001	0.002	1.6	0.123	5.9	0.000	0.002	0.044
%RSD	131							

Sample Name: ICSA Acquired: 4/6/2016 18:34:42 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2057.3	4262.7	37349.	4348.5
Stddev	4.1	7.1	67.	42.8
%RSD	.19959	.16703	.18035	.98385
#1	2060.5	4257.9	37274.	4325.6
#2	2058.8	4270.9	37405.	4397.8
#3	2052.7	4259.3	37368.	4322.0

Sample Name: ICSAB Acquired: 4/6/2016 18:39:23 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F 1.028	F 531.5	1.106	4.825	5.014	470.6	9676	4965	4912
Stddev	.003	4.2	.007	.0014	.0016	2.3	.0078	.0039	.0020
%RSD	.2728	.7809	.6503	.2862	.3097	.4959	.8109	.7802	.3988
#1	1.025	530.2	1.104	4.815	5.024	471.5	9635	4945	4892
#2	1.031	536.2	1.101	4.841	5.021	472.4	9627	4940	4913
#3	1.028	528.2	1.115	4.820	4.996	468.0	9767	5010	4931
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5580	186.8	0.284	F 566.2	4.742	1.002	1.111	9488	9074
Stddev	.0004	.7	.0351	2.6	.0010	.009	.0083	.0064	.0077
%RSD	.0765	.3530	123.6	.4649	.2066	.8678	7.438	.6748	.8538
#1	5582	187.5	-0.099	569.1	.4735	.9986	1.199	9460	9060
#2	5583	186.8	.0590	565.4	.4753	.9961	1.098	9442	9004
#3	5575	186.2	.0362	564.0	.4737	1.012	1.035	9561	9157
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.052	1.057	.1194	9224	1.000	9629	9241	4432	9250
Stddev	.008	.009	.0015	.0090	.003	.0012	.0081	.0022	.0064
%RSD	.7408	.8199	1.228	.9712	.2805	.1235	.8754	.4938	.6959
#1	1.047	1.047	.1183	9163	1.003	9623	9213	4416	9212
#2	1.047	1.058	.1188	9182	.9999	9642	9177	4424	9213
#3	1.061	1.064	.1210	9327	.9977	9621	9332	4457	9324
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2014.5	4212.4	37483.	4295.1					
Stddev	12.5	26.1	23.	12.6					
%RSD	.61929	.61886	.06243	.29424					
#1	2009.1	4210.7	37510.	4280.5					
#2	2028.7	4239.2	37468.	4303.6					
#3	2005.6	4187.2	37472.	4301.1					

7.2
7

Sample Name: CCV Acquired: 4/6/2016 18:43:53 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2617	42.68	2.077	1.942	2.043	39.99	2.139	2.192	2.041
Stddev	.0011	.12	.006	.002	.004	.04	.007	.004	.004
%RSD	.4200	.2712	.2828	.0896	.1811	.0896	.3227	.1975	.2178
#1	2619	42.78	2.073	1.943	2.045	40.01	2.136	2.190	2.045
#2	2605	42.55	2.084	1.944	2.039	39.95	2.147	2.197	2.036
#3	2626	42.71	2.075	1.940	2.046	40.02	2.134	2.190	2.043

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.109	41.14	40.41	43.86	1.988	F 2.205	40.59	2.097	1.966
Stddev	.004	.11	.03	.27	.005	.002	.08	.005	.012
%RSD	.1846	.2651	.0638	.6172	.2305	.1083	.1956	.2641	.6090
#1	2.109	41.14	40.42	44.07	1.985	2.203	40.66	2.094	1.956
#2	2.114	41.04	40.38	43.55	1.986	2.207	40.60	2.103	1.979
#3	2.106	41.26	40.43	43.95	1.993	2.206	40.51	2.093	1.962

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 Value Range 2.000 10.00%

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.093	2.137	2.393	2.035	2.017	1.979	1.964	1.952	2.052
Stddev	.001	.004	.001	.007	.003	.001	.010	.003	.013
%RSD	.0660	.1869	.0467	.3397	.1657	.0328	.4995	.1757	.6542
#1	2.095	2.138	2.392	2.030	2.021	1.979	1.959	1.954	2.047
#2	2.093	2.133	2.394	2.043	2.016	1.979	1.975	1.948	2.068
#3	2.093	2.140	2.392	2.032	2.015	1.980	1.957	1.954	2.042

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/6/2016 18:43:53 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2279.6	4533.7	41089.	4590.1
Stddev	3.3	8.2	92.	23.0
%RSD	.14316	.18194	.22274	.50056
#1	2277.6	4524.2	41184.	4574.3
#2	2277.9	4538.4	41083.	4616.4
#3	2283.4	4538.5	41001.	4579.5

Sample Name: CCB Acquired: 4/6/2016 18:48:06 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0151	.0004	.0004	.0003	.0272	.0002	.0002	.0001
Stddev	.0003	.0048	.0005	.0003	.0001	.0027	.0001	.0001	.0001
%RSD	469.9	32.14	132.4	71.62	30.87	9.803	37.10	50.49	70.24

#1	.0003	.0112	.0009	.0004	.0003	.0273	.0003	.0002	.0002
#2	-0.001	.0135	.0002	.0001	.0003	.0244	.0002	.0003	.0002
#3	-0.004	.0205	.0000	.0007	.0004	.0298	.0001	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0263	.0088	.0148	.0002	F-.0017	.0031	.0000	.0007
Stddev	.0002	.0008	.0179	.0218	.0001	.0003	.0036	.0002	.0004
%RSD	96.49	3.111	203.3	147.3	32.91	20.31	119.3	826.2	62.69

#1	-0.003	.0269	.0098	-.0101	.0003	.0020	.0029	.0002	.0002
#2	-0.003	.0254	-.0096	.0303	.0002	.0017	.0068	.0000	.0009
#3	.0000	.0267	.0262	.0243	.0002	.0013	-.0005	-.0001	.0010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	-.0014	.0040	.0005	.0004	.0011	-.0003	.0002	.0007
Stddev	.0010	.0009	.0002	.0001	.0001	.0001	.0007	.0002	.0000
%RSD	141.9	69.30	4.124	18.49	15.61	14.06	286.7	92.80	5.776

#1	-0.004	-0.004	.0042	.0004	.0004	.0012	-.0003	.0005	.0007
#2	.0015	-.0023	.0039	.0004	.0004	.0010	-.0009	.0002	.0007
#3	.0011	-.0014	.0039	.0006	.0005	.0010	.0005	.0001	.0007

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/6/2016 18:48:06 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2578.6	4711.4	4242.9	4594.5
Stddev	9.3	12.4	151.	28.9
%RSD	.36049	.26279	.35506	.62925

#1	2569.3	4697.3	4242.6	4606.6
#2	2578.6	4716.6	4258.2	4561.6
#3	2587.8	4720.3	4228.0	4615.5

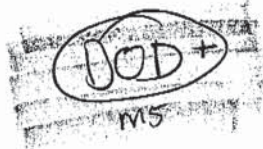
Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000009	0.000000	No
Al 396.152 {85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000083	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 {74}	<input checked="" type="checkbox"/>	1	Fe	0.000005	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000096	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000000	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000012	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000123	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 {44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000003	0.000000	No
Na 589.592 {57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000041	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000029	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000026	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	-0.000020	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000035	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	0.000012	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000006	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.000060	0.554152	0.000000	1.000000
Al 396.152 { 85}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.000880	0.199374	0.000000	1.000000
As 189.042 {478}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.000797	0.180516	0.000000	1.000000
Ba 455.403 { 74}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.003082	8.122864	0.000000	1.000000
Be 313.042 {108}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.000419	9.900421	0.000000	1.000000
Ca 317.933 {106}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.002313	0.230631	0.000000	1.000000
Cd 226.502 {449}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.001191	4.686622	0.000000	1.000000
Co 228.616 {447}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.000638	2.513821	0.000000	1.000000
Cr 267.716 {126}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.000047	0.510323	0.000000	1.000000
Cu 324.754 {104}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.006154	0.838932	0.000000	1.000000
Fe 259.940 {130}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.001157	0.149505	0.000000	1.000000
In 230.606 {446}*	4/6/2016 13:28:17	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.004239	0.096487	0.000000	1.000000
Mg 279.079 {121}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.000155	0.020718	0.000000	1.000000
Mn 257.610 {131}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.000681	2.873832	0.000000	1.000000
Mo 202.030 {467}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.000528	1.053351	0.000000	1.000000
Na 589.592 { 57}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.001915	0.391641	0.000000	1.000000
Ni 231.604 {445}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.000007	1.589292	0.000000	1.000000
Pb 220.353 {453}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.000496	0.836021	0.000000	1.000000
Sb 206.833 {463}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.000598	0.258613	0.000000	1.000000
Se 196.090 {472}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.000588	0.123029	0.000000	1.000000
Si 212.412 {459}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.004925	0.395849	0.000000	1.000000
Sn 189.989 {477}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.000188	0.364900	0.000000	1.000000
Sr 407.771 { 83}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.000801	16.496538	0.000000	1.000000
Ti 334.941 {101}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.001087	2.102928	0.000000	1.000000
Tl 190.856 {477}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.000984	0.275467	0.000000	1.000000
V 292.402 {115}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.000535	0.730010	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.000840	2.329833	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999979	0.000035	0.000359	0.001197	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999899	0.004578	0.007145	0.023818	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999843	0.000257	0.000805	0.002683	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999958	0.005975	0.000221	0.000738	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999931	0.009346	0.000059	0.000197	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999744	0.008407	0.002895	0.009649	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999990	0.001719	0.000049	0.000162	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999991	0.000850	0.000100	0.000334	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999882	0.000632	0.000242	0.000807	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999976	0.000470	0.000220	0.000734	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999546	0.007260	0.002320	0.007733	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999885	0.002355	0.025694	0.085647	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999887	0.000502	0.021212	0.070706	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999711	0.005570	0.000038	0.000126	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999988	0.000418	0.000139	0.000464	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999900	0.008905	0.006561	0.021870	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999993	0.000478	0.000162	0.000539	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999872	0.001080	0.000605	0.002017	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999814	0.000401	0.000897	0.002989	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999844	0.000175	0.001720	0.005733	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.996347	0.002732	0.000408	0.001361	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999978	0.000194	0.000337	0.001124	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999874	0.021058	0.000070	0.000232	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999868	0.002751	0.000089	0.000297	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999927	0.000269	0.001045	0.003482	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999947	0.000598	0.000216	0.000718	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999961	0.001660	0.000073	0.000243	OK	1.000000	0.000000	1	0

Accutest Laboratories SE Metals Digestion Log Water



Method of digestion(circle one): SW846-3010A / SW846-3005A / EPA 200.7 / SM3030C

MP #: 30076
 Prep Date/Time (mm/dd/yy 24:00): 03.08.16/0730
 HotBlock I.D. 5
 Thermometer I.D. 204
 Correction Factor (°C) -1
 Temperature Observed/Corrected (°C) 93.92
 Added^B: HNO₃
 Lot# 1115080

Volume
 Spk. Sol. ^A Used(ml) Pipette #
ACC920 0.50 10
ACC894 0.25 10
MET5330 0.25 10
 Dig. Tube Lot#: J22026A-261
 HCL
4115050

Sample #	Initial Volume(ml)	pH<2	Final Volume(ml)	Comments
Method Blank(MB)	50	N/A	50	
Spike Blank(SB)		N/A		
Matrix Spike(MS)		✓		
Matrix Spike Dup(MSD)		✓		
Duplicate(DUP)		✓		
1 QC ^C FA31919-1 91		✓		
2 FA31888-1 8		✓		
3 -4 4		✓		
4 -5 8		✓		
5 -6 10		✓		
6 -7 6		✓		
7 -8 6		✓		
8 -9 10		✓		
9 -10 6		✓		
10 -11 8		✓		
11 ✓ -12 10		✓		
12 FA31890-9 2		✓		
13 FA31929-31 1		✓		
14 FA31931-32 1		✓		
15 FA31932-4 3		✓		
16 FA31908-1 10		✓		
17 -3 10		✓		
18 ✓ -4 10		✓		
19 FA31923-1 7		✓		
20 ✓ -2 7	✓	✓	✓	
21 ^E				
22 ^E				
23 ^E				
24 ^E				

Analyst: James Jaurano Jr. Date: 03.08.16
 QC Review: [Signature] Date: 3.8.16

A Used for SB, MS, MSD
 B For reagent volumes used consult SOP MET 103, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional matrix QC
 icpwaterdigestionlog091113.xls Rev 01/20/10 DM

7.3.1
7

Accutest Laboratories SE Metals Digestion Log Soil

5g
DRY sieve

MP #: 30214

Method of Digestion: SW846-3050B

DOD
(MS)

Prep Date/Time (mm/dd/yy 24:00): 4/6/16 10:13
 HotBlock I.D. 6974CERCW3279
 Thermometer I.D. 213
 Correction Factor (°C) -1
 Temperature Observed/Corrected (°C) 93, 92
 Balance I.D. ADVPRO3

Spk. Sol. ^	Volume Used (ml)	Pipette #
Acc 938	1.00	10
Acc 894	0.50	10
Met 5361	0.50	10

Filter Lot#: 150928009
 Dig. Tube Lot# 1504103

Added^B:
 Lot# H₂O₂ 157487 HNO₃ 115100 HCL 4115080 PTFE Boiling Chips R203-SK012

Sample #	Wt. g	Final Volume (ml)	Comments
Method Blank (MB)	5.00	100.0	
Spike Blank (SB)	5.00		
Matrix Spike (MS)	5.34		
Matrix Spike Dup (MSD)	5.31		
Duplicate (DUP)	5.02		
1 QC ^C FA 31672-18 ^{D1}	5.28		
2 D2- FA 31672-18	5.27		
3 ↓ 21	5.34		
4 ↓ 24	5.36		
5 FA 31929-1	5.32		
6 ↓ 5	5.27		
7 ↓ 8	5.39		
8 ↓ 12	5.20		
9 ↓ 15	5.27		
10 ↓ 18	5.09		
11 ↓ 21	5.09		
12 ↓ 22	5.02		
13 ↓ 25	5.10		
14 ↓ 28	5.02		
15 ↓ 32	5.26		
16 ↓ 35	5.25		
17 ↓ 38	5.09		
18 FA 31931-1	5.30		
19 ↓ 4 ↓	5.27		
20			
21 ^E			
22 ^E			
23 ^E			
24 ^E			

Analyst: 213
 QC Review: [Signature]

Date: 4/6/16
 Date: 4-6-16

A Used for SB, MS, MSD
 B For reagent volumes used consult SOP MET 104, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional Matrix QC

icpsoidigestionlog012010.xls

Rev 01/20/10 DM

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*e-Hardcopy 2.0
Automated Report*

Technical Report for

Kemron Environmental Services, Inc

Ft Ord; CA

07202.2001

SGS Accutest Job Number: FA31930

Sampling Date: 02/29/16

Report to:

Kemron Environmental Services, Inc
4522 Joe Lloyd Way
Monterey, CA 93944
emiddleditch@gilbaneco.com

ATTN: Eric Middleditch

Total number of pages in report: 186



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Sue Bell 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001)
DoD ELAP (L-A-B L2229), CA (2937), TX (T104704404), PA (68-03573), VA (460177),
AK, AR, GA, KY, MA, NV, OK, UT, WA

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Test results relate only to samples analyzed.

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Sample Summary

Kemron Environmental Services, Inc

Job No: FA31930

Ft Ord; CA

Project No: 07202.2001

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
FA31930-1	02/29/16	08:45	TWRP 03/04/16	SO	Soil	02-05SC0000
FA31930-5	02/29/16	08:25	TWRP 03/04/16	AQ	Equipment Blank	02-ER07SC
FA31930-6	02/29/16	09:36	TWRP 03/04/16	SO	Soil	02-04SC0000
FA31930-9	02/29/16	10:34	TWRP 03/04/16	SO	Soil	02-64SC0000
FA31930-13	02/29/16	08:45	TWRP 03/04/16	SO	Soil	02-10SC0000
FA31930-16	02/29/16	09:25	TWRP 03/04/16	SO	Soil	02-11SC0000
FA31930-19	02/29/16	10:05	TWRP 03/04/16	SO	Soil	02-14SC0000
FA31930-22	02/29/16	10:55	TWRP 03/04/16	SO	Soil	02-15SC0000
FA31930-25	02/29/16	12:30	TWRP 03/04/16	SO	Soil	02-18SC0000
FA31930-28	02/29/16	13:25	TWRP 03/04/16	SO	Soil	02-19SC0000
FA31930-31	02/29/16	14:15	TWRP 03/04/16	SO	Soil	02-16SC0000
FA31930-34	02/29/16	13:22	TWRP 03/04/16	SO	Soil	02-31SC0000
FA31930-35	02/29/16	13:49	TWRP 03/04/16	SO	Soil	02-30SC0000

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE



Client: Kemron Environmental Services, Inc

Job No: FA31930

Site: Ft Ord; CA

Report Date: 4/15/2016 9:42:24 AM

13 Sample(s) were collected on 02/29/2016 and were received at SGS Accutest Southeast (SASE) on 03/04/2016 properly preserved, at 4 Deg. C and intact. These Samples received an SASE job number of FA31930. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix: AQ

Batch ID: MP30097

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA32009-1DUP, FA32009-1MS, FA32009-1MSD, FA32009-1PS, FA32009-1SDL were used as the QC samples for metals.

Matrix: SO

Batch ID: MP30238

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA31930-1DUP, FA31930-1MSD, FA31930-1PS, FA31930-1SDL were used as the QC samples for metals.

Matrix Spike Recovery(s) for Lead are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Kim Benham, Client Services (signature on file)

Date: April 15, 2016

Friday, April 15, 2016

Page 1 of 1

Summary of Hits

Job Number: FA31930
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 02/29/16



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA31930-1	02-05SC0000					
Lead		54.2	1.9	0.37	mg/kg	SW846 6010C
FA31930-5	02-ER07SC					
No hits reported in this sample.						
FA31930-6	02-04SC0000					
Lead		34.0	2.0	0.40	mg/kg	SW846 6010C
FA31930-9	02-64SC0000					
Lead		48.1	1.9	0.38	mg/kg	SW846 6010C
FA31930-13	02-10SC0000					
Lead		62.8	2.0	0.39	mg/kg	SW846 6010C
FA31930-16	02-11SC0000					
Lead		36.2	2.0	0.40	mg/kg	SW846 6010C
FA31930-19	02-14SC0000					
Lead		43.6	1.9	0.37	mg/kg	SW846 6010C
FA31930-22	02-15SC0000					
Lead		36.9	1.9	0.38	mg/kg	SW846 6010C
FA31930-25	02-18SC0000					
Lead		18.2	1.9	0.39	mg/kg	SW846 6010C
FA31930-28	02-19SC0000					
Lead		14.0	2.0	0.40	mg/kg	SW846 6010C
FA31930-31	02-16SC0000					
Lead		28.3	1.9	0.38	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA31930
Account: Kemron Environmental Services, Inc
Project: Ft Ord; CA
Collected: 02/29/16



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA31930-34	02-31SC0000					
Lead		14.7	1.9	0.39	mg/kg	SW846 6010C
FA31930-35	02-30SC0000					
Lead		10.5	1.9	0.37	mg/kg	SW846 6010C

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: 02-05SC0000	Date Sampled: 02/29/16
Lab Sample ID: FA31930-1	Date Received: 03/04/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.1
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	54.2	1.9	0.37	0.093	mg/kg	5	04/13/16	04/13/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13091

(2) Prep QC Batch: MP30238

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-ER07SC	Date Sampled: 02/29/16
Lab Sample ID: FA31930-5	Date Received: 03/04/16
Matrix: AQ - Equipment Blank	Percent Solids: n/a
Project: Ft Ord; CA	

4.2
4

Total Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.0 U	5.0	2.0	1.1	ug/l	1	03/11/16	03/11/16 LM	SW846 6010C ¹	SW846 3010A ²

(1) Instrument QC Batch: MA13028

(2) Prep QC Batch: MP30097

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-04SC0000	Date Sampled: 02/29/16
Lab Sample ID: FA31930-6	Date Received: 03/04/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.3
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	34.0	2.0	0.40	0.099	mg/kg	5	04/13/16	04/13/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13091

(2) Prep QC Batch: MP30238

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-64SC0000	Date Sampled: 02/29/16
Lab Sample ID: FA31930-9	Date Received: 03/04/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.4
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	48.1	1.9	0.38	0.096	mg/kg	5	04/13/16	04/13/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13091

(2) Prep QC Batch: MP30238

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-10SC0000	
Lab Sample ID: FA31930-13	Date Sampled: 02/29/16
Matrix: SO - Soil	Date Received: 03/04/16
	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.5
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	62.8	2.0	0.39	0.098	mg/kg	5	04/13/16	04/13/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13091

(2) Prep QC Batch: MP30238

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-11SC0000	Date Sampled: 02/29/16
Lab Sample ID: FA31930-16	Date Received: 03/04/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.6
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	36.2	2.0	0.40	0.099	mg/kg	5	04/13/16	04/13/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13091

(2) Prep QC Batch: MP30238

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-14SC0000	Date Sampled: 02/29/16
Lab Sample ID: FA31930-19	Date Received: 03/04/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.7
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	43.6	1.9	0.37	0.093	mg/kg	5	04/13/16	04/13/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13091

(2) Prep QC Batch: MP30238

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-15SC0000	Date Sampled: 02/29/16
Lab Sample ID: FA31930-22	Date Received: 03/04/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.8
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	36.9	1.9	0.38	0.094	mg/kg	5	04/13/16	04/13/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13091

(2) Prep QC Batch: MP30238

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-18SC0000	
Lab Sample ID: FA31930-25	Date Sampled: 02/29/16
Matrix: SO - Soil	Date Received: 03/04/16
	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.9
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	18.2	1.9	0.39	0.096	mg/kg	5	04/13/16	04/13/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13091

(2) Prep QC Batch: MP30238

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-19SC0000	Date Sampled: 02/29/16
Lab Sample ID: FA31930-28	Date Received: 03/04/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.10
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	14.0	2.0	0.40	0.099	mg/kg	5	04/13/16	04/13/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13091

(2) Prep QC Batch: MP30238

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-16SC0000	
Lab Sample ID: FA31930-31	Date Sampled: 02/29/16
Matrix: SO - Soil	Date Received: 03/04/16
	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.11
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	28.3	1.9	0.38	0.094	mg/kg	5	04/13/16	04/13/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13091

(2) Prep QC Batch: MP30238

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-31SC0000	Date Sampled: 02/29/16
Lab Sample ID: FA31930-34	Date Received: 03/04/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.12
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	14.7	1.9	0.39	0.097	mg/kg	5	04/13/16	04/13/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13091

(2) Prep QC Batch: MP30238

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-30SC0000	Date Sampled: 02/29/16
Lab Sample ID: FA31930-35	Date Received: 03/04/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.13
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	10.5	1.9	0.37	0.093	mg/kg	5	04/13/16	04/13/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13091

(2) Prep QC Batch: MP30238

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Misc. Forms**Custody Documents and Other Forms**

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # RP: 022916-01

FA31930



Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - § S §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method	SW6010C - Lead	SW6330B - Explosives by ISM	SW6010C - Lead by ISM	Code	Matrix
						SO	SOIL
						WQ	WATER QUALITY CONTROL MATRIX
						Code	Container/Preservative
						2	2" 1L amber, 4 degrees C
						1	1" 1.0-1.5 kilogram bag
						13	1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016												
Sample ID	Matrix	Date	Time	Samp Init.				Location ID	Sample Type	Depth (ft bgs)		
										Top	Bottom	
1	02-05SC0000	SO	2/29/16	0845	RP		X	02-05	NI	0.0	0.5	
2	02-05SC0001			0850				02-05	NI	1.0	1.5	HOLD
3	02-05SC0001Q			0858				02-05	FD	1.0	1.5	HOLD
4	02-05SC0002			0909				02-05	NI	2.0	2.5	HOLD
5	02-FR07SC	WB		0825		X		Field QC	EB	NA	NA	
6	02-04SC0000	SO		0936				02-04	NI	0.0	0.5	
7	02-04SC0001			0951				02-04	NI	1.0	1.5	HOLD
8	02-04SC0002			1005				02-04	NI	2.0	2.5	HOLD
9	02-64SC0000			1034				02-64	NI	0.0	0.5	HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	3/1/16	1700				
<i>P. Wildt</i>	3/1/16	1700	<i>FX</i>			
<i>FX</i>			<i>[Signature]</i>	3/3/16	9:45	
						Received by Laboratory: (Signature, Date, Time) & condition
						② 4.0, 4.0

ENV COC Record July 06, 2015

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CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # R.P. 022916-02

FA31930



Project Name: Fort Ord	Project Number: 07202.2001	WBS Code: -	Laboratory: Accutest Laboratories, Orlando, FL	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811
------------------------	----------------------------	-------------	--	---	---

Comments:	Equipment:	Analytical Test Method	SW8530B - Explosives	SW8610C - Lead	SW8530B - Explosives by ISM	SW8610C - Lead by ISM	Code	Matrix
							SO	SOIL
							WQ	WATER QUALITY CONTROL MATRIX
							Code	Container/Preservative
							2	2" 1L amber, 4 degrees C
							1	1" 1.0-1.5 kilogram bag
							13	1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016									
Sample ID	Matrix	Date	Time	Samp Init.			Location ID	Sample Type	Depth (ft bgs) Top - Bottom
01 02-6450001	SO	02/29/16	1041	RP		X	02-64	N1	1.0 1.5 Hold
02 02-6450002			1055	RP			02-64	N1	2.0 2.5 Hold
03 02-6450002			1055	RP			02-64	FD	2.0 2.5 Hold
04 02-105C0000			0845	TW			02-10	N1	0.0 0.5
05 02-105C0001			0900	TW			02-10	N1	1.0 1.5 Hold
06 02-105C0002			0910	TW			02-10	N1	2.0 2.5 Hold
07 02-115-115C0000			0925	TW			02-11	N1	0.0 0.5
08 02-115C0001			0940	TW			02-11	N1	1.0 1.5 Hold
09 02-115C0002			0950	TW		✓	02-11	N1	2.0 2.5 Hold

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	3/1/16	1700				
<i>[Signature]</i>	3/1/16	1700	<i>[Signature]</i>	3/2/16	09:45	
FX						Received by Laboratory: (Signature, Date, Time) & condition

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CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # ~~FW~~ - 022916-03



FA31930

Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW8330B - Explosives SW6010C - Lead SW8330B - Explosives by ISM SW6010C - Lead by ISM	Code Matrix
			SO SOIL
			WQ WATER QUALITY CONTROL MATRIX
			Code Container/Preservative
2 2" 1L amber, 4 degrees C	1 1" 1.0-1.5 kilogram bag	13 1" 250ml poly, with HNO3	

Event ID: Basewide Range Assessment Spring 2016										
Sample ID	Matrix	Date	Time	Samp Init.				Location ID	Sample Type	Depth (ft bgs) Top - Bottom
1 02-145L0000	SD	02/29/16	1005	TW			X	02-14	N1	0.0 0.5
2 02-145L0001			1020	TW				02-14	N1	1.0 1.5
3 02-145L0002			1035	TW				02-14	N1	2.0 2.5
4 02-155L0000			1055	TW				02-15	N1	0.0 0.5
5 02-155L0001			1110	TW				02-15	N1	1.0 1.5
6 02-155L0002			1120	TW				02-15	N1	2.0 2.5
7 02-185L0000			1230	TW				02-18	N1	0.0 0.5
8 02-185L0001			1255	TW				02-18	N1	1.0 1.5
9 02-185L0002			1310	TW				02-18	N1	2.0 2.5

hold
hold
hold
hold
hold
hold

Cooler #	Turnaround Time: 14 Days					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	3/1/16	1700				
<i>[Signature]</i>	3/1/16	1750	<i>[Signature]</i>	3/3/16	9:45	
						Received by Laboratory: (Signature, Date, Time) & condition

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CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # *WJ-022916-04*
FA31930



Project Name: Fort Ord % D V H Z L G H 5 D Q J H \$ V V H V P	Laboratory: Accutest Laboratories, Orlando, FL.
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - % 5 \$	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Analytical Test Method	SW6330B - Explosives	SW6010C - Lead	SW6330B - Explosives by ISM	SW6010C - Lead by ISM	Code	Matrix
						SO	SOIL
Equipment:						Code	Container/Preservative
						2	2" TL amber, 4 degrees C
					1	1" 1.0-1.5 kilogram bag	
					13	1" 250ml poly, with HNO3	

Event ID: Basewide Range Assessment Spring 2016									
Sample ID	Matrix	Date	Time	Samp Init.	Location ID	Sample Type	Depth (ft bgs)		
							Top	Bottom	
1	SO	02/29/16	1325	TW	02-19	N1	0.0	0.5	
2	SO		1340	TW	02-19	N1	1.0	1.5	hold
3	SO		1355	TW	02-19	N1	2.0	2.5	hold
4	SO		1415	TW	02-16	N1	0.0	0.5	
5	SO		1425	TW	02-16	N1	1.0	1.5	hold
6	SO		1435	TW	02-16	N1	2.0	2.5	hold
7									
8									
9									

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	3/1/16	1700				
<i>P. Water</i>	3/1/16	1700	<i>FX</i>			
<i>FX</i>			<i>[Signature]</i>	3/3/16	9:45	
						Received by Laboratory: (Signature, Date, Time) & condition

5.1
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ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA31930 CLIENT: Gilbane PROJECT: Fort Ord
 DATE/TIME RECEIVED: 3/3/16 9:45 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 2
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER DELIVERY OTHER: _____
 AIRBILL NUMBERS: 7824 9959 3864

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TEMPERATURE INFORMATION

- IR THERM ID 1 CORR. FACTOR +0.2
- OBSERVED TEMPS: 3.8 3.8
- CORRECTED TEMPS: 4.0 4.0 (USED FOR LIMS)

TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- % SOLIDS JAR NOT RECEIVED
- RESIDUAL CHLORINE PRESENT LOT# _____

MISC. INFORMATION

NUMBER OF ENCORES? 25-GRAM _____ 5-GRAM _____
 NUMBER OF 5035 FIELD KITS? _____
 NUMBER OF LAB FILTERED METALS? _____

TEST STRIP LOT#s pH 0-3 204413A pH 10-12 219813A OTHER (specify) _____

SUMMARY OF COMMENTS: Received extra samples. Will be added at the end for sample # 34-39. Sample ID's: 02-315C0000 2/29/16 @1322; 62-305C0000 2/29/16 @1349; 02-305C0001 2/29/16 @1357; 02-305C0002 2/29/16 @1406 62-315C0001 2/29/16 @1330; 02-315C0002 2/29/16 @1337

TECHNICIAN SIGNATURE/DATE [Signature] 3/4/16 REVIEWER SIGNATURE/DATE July 2016 3-4-16

NF 11/15

receipt confirmation 111015.xls

5.1
5

ACCU TEST LABS
4405 VINELAND RD
STE C
ORLANDO FL 32811

(407) 426-8700
REF:



7 of 10
MPS# 7824 9959 3864
Mstr# 8094 6905 2807

THU - 03 MAR 10:30A
MORNING 2DAY
AHS
32811
FL-US MCO

SH TIXA



OPEN END OF FEDEX AIRBILL POUCH HERE

No Signature Required
Package may be left without
obtaining a signature for delivery.

Signature at Recipient's Address
may sign for delivery.

Job Change

FA31930

Requested Date: 3/7/2016
Account Name: Gilbane Company
Project: Fort Ord AFB, CA
CSR: sueb

Received Date: 3/4/2016
Due Date: 3/18/2016
Deliverable: FULT1
TAT (Days): 14

Sample #: FA31930-34

Change:

A revised COC was submitted. Sample ID is 02-31SC0000, collection date & time 29-Feb-2016 13:22. Run Pb by ISM

02-31SC0000

Sample #: FA31930-35

Change:

A revised COC was submitted. Sample ID is 02-30SC0000, collection date & time 29-Feb-2016 13:49. Run Pb by ISM

02-30SC0000

Sample #: FA31930-36

Change:

A revised COC was submitted. Sample ID is 02-30SC0001, collection date & time 29-Feb-2016 13:57. Sample is on hold.

02-30SC0001

Sample #: FA31930-37

Change:

A revised COC was submitted. Sample ID is 02-30SC0002, collection date & time 29-Feb-2016 14:06. Sample is on hold.

02-30SC0002

Above Changes Per: Eric M

Date/Time: 3/7/2016 11:45:00 AM

FA31930: Chain of Custody

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Page 7 of 10

Page 1 of 2

5.1 5

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric McDaniel
3301 McArthur Blvd., Lakewood, CO 80227
(303) 289-9724. EMail:eric@gilbane.co.com

COC # TW - 02 2416 -- 05

FA31930 rev. CC
Gilbane

Project Name: Fort Ord
Project Number: 07202.2001
WES Code: -

Laboratory: Accutest Laboratories, Orlando, FL
Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Fremtz
at Gilbane
319116

Comments:

Equipment:

Analytical Test Method

SW8330B - Explosives	2	13	1	1
SW6010C - Lead				
SW8330B - Explosives by ISM				
SW6010C - Lead by ISM				

Code	Matrix
SO	SOIL
WQ	WATER QUALITY CONTROL MATRIX
Code	Container/Preserve
2	2" TL, amber, 4 degrees C
1	1" x 1.0 x 1.5 Kilogram bag
15	1" x 25mm poly, with H2O2

Event ID: Basewide Range Assessment Spring 2016

Sample ID	Matrix	Date	Time	Samp Infr.	Location ID	Sample Type	Depth (ft/bgs)	Top - Bottom
02-31560000	SO	2/24/16	13:22	TW	02-31	N1	0.0	0.5
02-31560001	SO	2/24/16	13:30	TW	02-31	N1	1.0	1.5
02-31560002	SO	2/24/16	13:37	TW	02-31	N1	2.0	2.5
02-30560000	SO	2/24/16	13:49	TW	02-30	N1	0.0	0.5
02-30560001	SO	2/24/16	13:57	TW	02-30	N1	1.0	1.5
02-30560002	SO	2/24/16	14:06	TW	02-30	N1	2.0	2.5

Turnaround Time: 14 Days

3/1/16

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
P. Walker	3/1/16	17:00	Fred X	3/1/16	17:00	3/1/16 Fred X 8494 6945 2947
Received by Laboratory: (Signature, Date, Time) & condition						

Job Change

FA31930

Requested Date: 3/8/2016
Account Name: Gilbane Company
Project: Fort Ord AFB, CA
CSR: sueb

Received Date: 3/4/2016
Due Date: 3/18/2016
Deliverable: FULT1
TAT (Days): 14

Sample #: FA31930-9

Change:
COC was incorrectly marked; log in Pb by ISM on this sample

02-64SC0000

Above Changes Per: Eric M

Date/Time: 3/8/2016 6:17:29 PM

FA31930: Chain of Custody

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

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QC Evaluation: DOD QSM5 Limits

Job Number: FA31930
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 02/29/16

QC Sample ID	CAS#	Analyte	Sample Result Type	Result Type	Result	Units	Limits
MP30097 SW846 6010C							
MP30097-B1	7439-92-1	Lead	BSP	REC	103.4	%	86-113
MP30097-S1*	7439-92-1	Lead	MS	REC	104.8	%	86-113
MP30097-S2*	7439-92-1	Lead	MSD	REC	105	%	86-113
MP30097-S2*	7439-92-1	Lead	MSD	RPD	.2	%	20
MP30097-D1*	7439-92-1	Lead	DUP	RPD	0	%	20
MP30238 SW846 6010C							
MP30238-B1	7439-92-1	Lead	BSP	REC	96	%	81-112
MP30238-S1	7439-92-1	Lead	MS	REC	146 ^a	%	81-112
MP30238-S2	7439-92-1	Lead	MSD	REC	91.35	%	81-112
MP30238-S2	7439-92-1	Lead	MSD	RPD	7.9	%	20
MP30238-D1	7439-92-1	Lead	DUP	RPD	4.5	%	20
MP30238-D2	7439-92-1	Lead	DUP	RPD	14.7	%	20

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

* Sample used for QC is not from job FA31930

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Metals Analysis

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QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31930
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13028
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
04:50	MA13028-STD1	1		STDA
04:54	MA13028-STD2	1		STDB
04:57	MA13028-STD3	1		STDC
05:01	MA13028-STD4	1		STDD
05:05	MA13028-HSTD1	1		
05:09	MA13028-ICV1	1		
05:14	MA13028-ICB1	1		
05:18	MA13028-CR1A1	1		
05:27	MA13028-ICSA1	1		
05:32	MA13028-ICSAB1	1		
05:38	MA13028-CCV1	1		
05:43	MA13028-CCB1	1		
05:47	MP30093-MB1	1		
05:51	MP30093-B1	1		
05:55	FA32070-3	2		(sample used for QC only; not part of login FA31930)
06:00	MP30093-D1	2		
06:04	MP30093-SD1	10		
06:09	MP30093-PS1	2		
06:13	MP30093-S1	2		
06:18	MP30093-S2	2		
06:22	ZZZZZZ	2		
06:27	ZZZZZZ	2		
06:31	MA13028-CCV2	1		
06:35	MA13028-CCB2	1		
06:40	ZZZZZZ	2		
06:44	ZZZZZZ	2		
06:49	ZZZZZZ	2		
06:53	ZZZZZZ	2		
06:58	ZZZZZZ	2		
07:03	ZZZZZZ	2		
07:07	ZZZZZZ	2		
07:12	ZZZZZZ	2		
07:16	ZZZZZZ	2		

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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31930
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 03/11/16
Run ID: MA13028
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:21	ZZZZZZ	2		
07:25	MA13028-CCV3	1		
07:30	MA13028-CCB3	1		
07:34	ZZZZZZ	2		
07:39	ZZZZZZ	2		
07:43	ZZZZZZ	2		
07:48	ZZZZZZ	2		
07:52	ZZZZZZ	2		
07:57	ZZZZZZ	2		
08:01	ZZZZZZ	2		
08:06	MP30094-MB1	1		
08:10	MP30094-B1	1		
08:15	FA32068-9	2		(sample used for QC only; not part of login FA31930)
08:19	MA13028-CCV4	1		
08:23	MA13028-CCB4	1		
08:28	MP30094-D1	2		
08:32	MP30094-SD1	10		
08:37	MP30094-PS1	2		
08:41	MP30094-S1	2		
08:46	MP30094-S2	2		
08:50	ZZZZZZ	2		
08:55	ZZZZZZ	2		
08:59	ZZZZZZ	2		
09:04	ZZZZZZ	2		
09:09	ZZZZZZ	2		
09:13	MA13028-CCV5	1		
09:17	MA13028-CCB5	1		
09:22	ZZZZZZ	2		
09:26	ZZZZZZ	2		
09:31	ZZZZZZ	2		
09:36	ZZZZZZ	2		
09:40	ZZZZZZ	2		
09:45	ZZZZZZ	2		

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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31930
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 03/11/16
Run ID: MA13028
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:49	ZZZZZZ	2		
09:54	ZZZZZZ	2		
09:59	ZZZZZZ	2		
10:03	ZZZZZZ	2		
10:08	MA13028-CCV6	1		
10:12	MA13028-CCB6	1		
10:16	ZZZZZZ	2		
10:21	ZZZZZZ	2		
10:26	ZZZZZZ	2		
10:33	ZZZZZZ	2		
11:04	MA13028-CCV7	1		
11:08	MA13028-CCB7	1		
13:23	MA13028-CCV8	1		
13:27	MA13028-CCB8	1		
13:40	MP30097-MB1	1		
13:45	MP30097-B1	1		
13:49	FA32009-1	1		(sample used for QC only; not part of login FA31930)
13:54	MP30097-D1	1		
13:58	MP30097-SD1	5		
14:02	MP30097-PS1	1		
14:07	MP30097-S1	1		
14:11	MP30097-S2	1		
14:15	MA13028-CCV9	1		
14:19	MA13028-CCB9	1		
14:24	ZZZZZZ	1		
14:28	ZZZZZZ	1		
14:33	ZZZZZZ	1		
14:37	ZZZZZZ	1		
14:42	ZZZZZZ	1		
14:46	ZZZZZZ	1		
14:51	ZZZZZZ	1		
14:55	ZZZZZZ	1		
14:59	ZZZZZZ	1		

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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31930
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 03/11/16
Run ID: MA13028
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:04	ZZZZZZ	1		
15:08	MA13028-CCV10	1		
15:13	MA13028-CCB10	1		
15:17	ZZZZZZ	1		
15:21	ZZZZZZ	1		
15:26	ZZZZZZ	1		
15:30	ZZZZZZ	1		
15:35	ZZZZZZ	1		
15:39	FA31930-5	1		
----->	Last reportable sample/			prep for job FA31930
15:44	ZZZZZZ	1		
15:48	ZZZZZZ	1		
15:53	ZZZZZZ	1		
16:02	MA13028-CCV11	1		
16:06	MA13028-CCB11	1		
16:10	MP30101-MB1	1		
16:15	MP30101-B1	1		
16:19	FA32072-7	2		(sample used for QC only; not part of login FA31930)
16:24	MP30101-D1	2		
16:28	MP30101-SD1	10		
16:33	MP30101-PS1	2		
16:37	MP30101-S1	2		
16:42	MP30101-S2	2		
16:46	ZZZZZZ	2		
16:51	ZZZZZZ	2		
16:56	MA13028-CCV12	1		
17:00	MA13028-CCB12	1		
17:04	ZZZZZZ	2		
17:09	ZZZZZZ	2		
17:13	ZZZZZZ	2		
17:18	ZZZZZZ	2		
17:23	ZZZZZZ	2		
17:27	ZZZZZZ	2		
17:32	ZZZZZZ	2		

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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31930
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 03/11/16
Run ID: MA13028
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:36	ZZZZZZ	2		
17:41	ZZZZZZ	2		
17:46	ZZZZZZ	2		
17:50	MA13028-CCV13	1		
17:54	MA13028-CCB13	1		
17:59	ZZZZZZ	2		
18:04	ZZZZZZ	2		
18:08	ZZZZZZ	2		
18:13	ZZZZZZ	2		
18:17	ZZZZZZ	2		
18:22	ZZZZZZ	2		
18:27	ZZZZZZ	2		
18:31	MP30098-MB1	1		
18:36	MP30098-B1	1		
18:40	FA32075-11	2		(sample used for QC only; not part of login FA31930)
18:45	MA13028-CCV14	1		
18:49	MA13028-CCB14	1		
18:53	MP30098-D1	2		
18:58	MP30098-SD1	10		
19:02	MP30098-PS1	2		
19:07	MP30098-S1	2		
19:12	MP30098-S2	2		
19:16	ZZZZZZ	2		
19:21	ZZZZZZ	2		
19:25	ZZZZZZ	2		
19:30	ZZZZZZ	2		
19:35	ZZZZZZ	2		
19:39	MA13028-CCV15	1		
19:43	MA13028-CCB15	1		
19:48	ZZZZZZ	2		
19:53	ZZZZZZ	2		
19:57	ZZZZZZ	2		
20:02	ZZZZZZ	2		

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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31930
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 03/11/16
Run ID: MA13028
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:06	ZZZZZZ	2		
20:11	ZZZZZZ	2		
20:16	ZZZZZZ	2		
20:20	ZZZZZZ	2		
20:25	ZZZZZZ	2		
20:29	ZZZZZZ	2		
20:34	MA13028-CCV16	1		
20:38	MA13028-CCB16	1		
20:43	ZZZZZZ	2		
20:47	ZZZZZZ	2		
20:52	ZZZZZZ	2		
20:56	ZZZZZZ	2		
21:01	MA13028-CRIA2	1		
21:05	MA13028-ICSA2	1		
21:10	MA13028-ICSAB2	1		
21:15	MA13028-CCV17	1		
21:19	MA13028-CCB17	1		

----->
Last reportable CCB for job FA31930
Refer to raw data for calibration curve and standards.

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INTERNAL STANDARD SUMMARY

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13028
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
04:50	MA13028-STD1	5592	42512	3752	2922
04:54	MA13028-STD2	5495	41388	3709	2700
04:57	MA13028-STD3	5343	40820	3767	2500
05:01	MA13028-STD4	5134	39813	3743	2312
05:05	MA13028-HSTD1	5108	39758	3746	2303
05:09	MA13028-ICV1	5290	40809	3787	2488
05:14	MA13028-ICB1	5598 R	43435 R	3884 R	2945 R
05:18	MA13028-CRIA1	5417	41670	3817	2758
05:27	MA13028-ICSA1	4876	36095	3481	2209
05:32	MA13028-ICSAB1	4816	35780	3429	2154
05:38	MA13028-CCV1	5202	39996	3719	2453
05:43	MA13028-CCB1	5602	43300	3891	2956
05:47	MP30093-MB1	5513	43426	3874	2918
05:51	MP30093-B1	5338	41061	3765	2586
05:55	FA32070-3	6601	50321	4716	2465
06:00	MP30093-D1	6514	49491	4625	2426
06:04	MP30093-SD1	5728	43733	4001	2683
06:09	MP30093-PS1	6559	49735	4647	2469
06:13	MP30093-S1	6415	48755	4522	2449
06:18	MP30093-S2	6498	49650	4652	2399
06:22	ZZZZZZ	6509	49511	4563	2467
06:27	ZZZZZZ	6407	48277	4460	2494
06:31	MA13028-CCV2	5149	39792	3607	2427
06:35	MA13028-CCB2	5395	41826	3725	2852
06:40	ZZZZZZ	6217	47052	4400	2426
06:44	ZZZZZZ	6269	48061	4427	2505
06:49	ZZZZZZ	6409	49149	4498	2491
06:53	ZZZZZZ	6256	47919	4396	2467
06:58	ZZZZZZ	6334	48132	4434	2504
07:03	ZZZZZZ	6457	49040	4475	2480
07:07	ZZZZZZ	6153	47076	4340	2385
07:12	ZZZZZZ	6384	48631	4457	2453
07:16	ZZZZZZ	6447	49263	4521	2477

INTERNAL STANDARD SUMMARY

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13028
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:21	ZZZZZZ	6671	51427	4725	2525
07:25	MA13028-CCV3	5168	40468	3697	2441
07:30	MA13028-CCB3	5496	42945	3798	2915
07:34	ZZZZZZ	6706	51489	4723	2465
07:39	ZZZZZZ	6951	53501	4880 !	2501
07:43	ZZZZZZ	7135 !	55230 !	5062 !	2464
07:48	ZZZZZZ	6340	49489	4574	2464
07:52	ZZZZZZ	6249	48547	4452	2543
07:57	ZZZZZZ	6519	51223	4674	2496
08:01	ZZZZZZ	6775	52696	4888 !	2478
08:06	MP30094-MB1	5554	44486	3930	2960
08:10	MP30094-B1	5301	41454	3759	2594
08:15	FA32068-9	6064	47087	4345	2493
08:19	MA13028-CCV4	5220	41079	3739	2482
08:23	MA13028-CCB4	5467	43150	3796	2913
08:28	MP30094-D1	6105	47792	4382	2530
08:32	MP30094-SD1	5602	43595	3905	2728
08:37	MP30094-PS1	6033	46943	4291	2468
08:41	MP30094-S1	6009	46829	4326	2455
08:46	MP30094-S2	6022	47271	4379	2462
08:50	ZZZZZZ	6419	50353	4648	2508
08:55	ZZZZZZ	6391	49934	4634	2524
08:59	ZZZZZZ	6597	51586	4810	2511
09:04	ZZZZZZ	6550	51208	4707	2547
09:09	ZZZZZZ	6561	51939	4773	2494
09:13	MA13028-CCV5	5233	41616	3852	2495
09:17	MA13028-CCB5	5482	43621	3838	2927
09:22	ZZZZZZ	6272	49120	4510	2499
09:26	ZZZZZZ	6051	47481	4378	2477
09:31	ZZZZZZ	5973	47137	4355	2478
09:36	ZZZZZZ	6724	52910	4899 !	2478
09:40	ZZZZZZ	6842	53940	4992 !	2503
09:45	ZZZZZZ	6863	54092	5023 !	2484

INTERNAL STANDARD SUMMARY

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13028
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:49	ZZZZZZ	6006	47594	4429	2501
09:54	ZZZZZZ	6443	52035	4777	2546
09:59	ZZZZZZ	6644	52992	4905 !	2516
10:03	ZZZZZZ	6176	48778	4589	2462
10:08	MA13028-CCV6	5161	41232	3797	2472
10:12	MA13028-CCB6	5557	43983	3854	2966
10:16	ZZZZZZ	6391	50389	4644	2506
10:21	ZZZZZZ	6284	49585	4516	2507
10:26	ZZZZZZ	6508	51013	4698	2469
10:33	ZZZZZZ	6387	50103	4621	2487
11:04	MA13028-CCV7	5107	40618	3774	2435
11:08	MA13028-CCB7	5388	43011	3821	2876
13:23	MA13028-CCV8	5086	39617	3603	2393
13:27	MA13028-CCB8	5334	41846	3682	2808
13:40	MP30097-MB1	5328	42109	3657	2787
13:45	MP30097-B1	5146	39995	3577	2506
13:49	FA32009-1	5242	40540	3597	2569
13:54	MP30097-D1	5274	41030	3654	2585
13:58	MP30097-SD1	5351	41618	3680	2744
14:02	MP30097-PS1	5224	40447	3605	2534
14:07	MP30097-S1	5116	39480	3546	2415
14:11	MP30097-S2	5140	39934	3643	2419
14:15	MA13028-CCV9	5059	39620	3586	2395
14:19	MA13028-CCB9	5329	41734	3670	2830
14:24	ZZZZZZ	5118	39926	3616	2551
14:28	ZZZZZZ	5167	40722	3636	2637
14:33	ZZZZZZ	5103	39724	3597	2563
14:37	ZZZZZZ	5055	39422	3601	2493
14:42	ZZZZZZ	4892	38029	3540	2412
14:46	ZZZZZZ	5179	40906	3644	2682
14:51	ZZZZZZ	5229	41076	3626	2701
14:55	ZZZZZZ	5236	41180	3647	2680
14:59	ZZZZZZ	5260	41376	3692	2674

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INTERNAL STANDARD SUMMARY

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13028
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:04	ZZZZZZ	5187	40900	3705	2630
15:08	MA13028-CCV10	4978	39094	3579	2374
15:13	MA13028-CCB10	5316	41970	3721	2816
15:17	ZZZZZZ	5102	40244	3649	2590
15:21	ZZZZZZ	5144	39996	3616	2601
15:26	ZZZZZZ	5325	42594	3732	2819
15:30	ZZZZZZ	5336	42612	3797	2809
15:35	ZZZZZZ	5283	42183	3718	2788
15:39	FA31930-5	5204	41251	3718	2680
15:44	ZZZZZZ	5154	40885	3705	2647
15:48	ZZZZZZ	5093	40339	3663	2619
15:53	ZZZZZZ	5136	40660	3679	2645
16:02	MA13028-CCV11	5011	39597	3697	2399
16:06	MA13028-CCB11	5243	41349	3681	2792
16:10	MP30101-MB1	5259	42331	3768	2818
16:15	MP30101-B1	5065	40212	3717	2493
16:19	FA32072-7	5847	46187	4339	2426
16:24	MP30101-D1	5907	45996	4310	2421
16:28	MP30101-SD1	5369	42446	3885	2627
16:33	MP30101-PS1	5821	46090	4338	2403
16:37	MP30101-S1	5708	45184	4230	2352
16:42	MP30101-S2	5607	45807	4302	2295
16:46	ZZZZZZ	6415	51104	4869 !	2453
16:51	ZZZZZZ	6024	48607	4621	2443
16:56	MA13028-CCV12	4933	40140	3784	2402
17:00	MA13028-CCB12	5276	43019	3938	2853
17:04	ZZZZZZ	6334	51127	4921 !	2430
17:09	ZZZZZZ	6349	50750	4817	2427
17:13	ZZZZZZ	5772	46671	4463	2434
17:18	ZZZZZZ	5847	47207	4507	2450
17:23	ZZZZZZ	6137	49667	4584	2424
17:27	ZZZZZZ	5887	47488	4528	2426
17:32	ZZZZZZ	5776	46974	4517	2413

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INTERNAL STANDARD SUMMARY

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13028
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:36	ZZZZZZ	5824	46615	4405	2405
17:41	ZZZZZZ	5915	45429	4537	2397
17:46	ZZZZZZ	5961	48524	4688	2448
17:50	MA13028-CCV13	5012	40538	3797	2433
17:54	MA13028-CCB13	5203	42254	3800	2821
17:59	ZZZZZZ	5751	46322	4384	2436
18:04	ZZZZZZ	6013	48566	4637	2432
18:08	ZZZZZZ	6062	48288	4537	2457
18:13	ZZZZZZ	6008	48271	4538	2421
18:17	ZZZZZZ	6238	49781	4698	2429
18:22	ZZZZZZ	5634	45064	4206	2475
18:27	ZZZZZZ	5924	47538	4482	2434
18:31	MP30098-MB1	5297	43659	3943	2873
18:36	MP30098-B1	5076	40883	3715	2536
18:40	FA32075-11	5840	46879	4315	2458
18:45	MA13028-CCV14	4995	40399	3741	2401
18:49	MA13028-CCB14	5280	42925	3859	2833
18:53	MP30098-D1	5876	46847	4311	2464
18:58	MP30098-SD1	5345	42738	3872	2641
19:02	MP30098-PS1	5808	46834	4340	2435
19:07	MP30098-S1	5950	48080	4519	2378
19:12	MP30098-S2	5710	45864	4256	2398
19:16	ZZZZZZ	6167	49652	4610	2453
19:21	ZZZZZZ	6163	49509	4647	2465
19:25	ZZZZZZ	5885	47335	4478	2423
19:30	ZZZZZZ	5992	48012	4473	2425
19:35	ZZZZZZ	5700	45861	4271	2469
19:39	MA13028-CCV15	4916	39807	3734	2379
19:43	MA13028-CCB15	5219	41967	3752	2803
19:48	ZZZZZZ	6141	49144	4597	2395
19:53	ZZZZZZ	5900	47769	4509	2401
19:57	ZZZZZZ	6007	48912	4507	2472
20:02	ZZZZZZ	6098	48670	4514	2465

INTERNAL STANDARD SUMMARY

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13028
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
20:06	ZZZZZZ	5939	47844	4470	2434
20:11	ZZZZZZ	5839	47724	4499	2451
20:16	ZZZZZZ	6049	48587	4553	2446
20:20	ZZZZZZ	5965	47766	4463	2452
20:25	ZZZZZZ	6078	49020	4635	2425
20:29	ZZZZZZ	6277	50287	4675	2428
20:34	MA13028-CCV16	4959	40146	3697	2404
20:38	MA13028-CCB16	5191	42421	3793	2804
20:43	ZZZZZZ	6324	51023	4795	2440
20:47	ZZZZZZ	6203	49453	4603	2428
20:52	ZZZZZZ	6403	51493	4829	2490
20:56	ZZZZZZ	6433	51735	4857 !	2433
21:01	MA13028-CRIA2	5132	40998	3684	2685
21:05	MA13028-ICSA2	4572	36273	3541	2144
21:10	MA13028-ICSAB2	4496	35437	3427	2070
21:15	MA13028-CCV17	4881	39427	3612	2366
21:19	MA13028-CCB17	5172	42029	3740	2787

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

<u>Istd#</u>	<u>Parameter</u>	<u>Limits</u>
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/11/16
 Run ID: MA13028

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		05:14		05:43		06:35		07:30		
	Sample ID:	RL	IDL	ICB1	final	CCB1	final	CCB2	final	CCB3	final
Aluminum		200	14								
Antimony		6.0	1	anr							
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2								
Cadmium		5.0	.2	anr							
Calcium		1000	50								
Chromium		10	1	anr							
Cobalt		50	.2								
Copper		25	1	anr							
Iron		300	17	anr							
Lead		5.0	1	0.60	<5.0	0.50	<5.0	0.20	<5.0	0.70	<5.0
Magnesium		5000	35								
Manganese		15	.5	anr							
Molybdenum		50	.3								
Nickel		40	.4								
Potassium		10000	200								
Selenium		10	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500								
Strontium		10	.5								
Thallium		10	1.1								
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/11/16
 Run ID: MA13028

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	08:23 CCB4		09:17 CCB5		10:12 CCB6		11:08 CCB7	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14								
Antimony		6.0	1	anr							
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2								
Cadmium		5.0	.2	anr							
Calcium		1000	50								
Chromium		10	1	anr							
Cobalt		50	.2								
Copper		25	1	anr							
Iron		300	17	anr							
Lead		5.0	1	0.0	<5.0	-0.10	<5.0	0.20	<5.0	-0.10	<5.0
Magnesium		5000	35								
Manganese		15	.5	anr							
Molybdenum		50	.3								
Nickel		40	.4								
Potassium		10000	200								
Selenium		10	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500								
Strontium		10	.5								
Thallium		10	1.1								
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/11/16
 Run ID: MA13028

Methods: SW846 6010C
 Units: ug/l

Time: Sample ID:	RL	IDL	13:27 CCB8 raw	final	14:19 CCB9 raw	final	15:13 CCB10 raw	final	16:06 CCB11 raw	final
Aluminum	200	14								
Antimony	6.0	1	anr							
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2								
Cadmium	5.0	.2	anr							
Calcium	1000	50								
Chromium	10	1	anr							
Cobalt	50	.2								
Copper	25	1	anr							
Iron	300	17	anr							
Lead	5.0	1	-0.40	<5.0	-0.40	<5.0	-0.60	<5.0	-0.20	<5.0
Magnesium	5000	35								
Manganese	15	.5	anr							
Molybdenum	50	.3								
Nickel	40	.4								
Potassium	10000	200								
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500								
Strontium	10	.5								
Thallium	10	1.1								
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5								
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/11/16
 Run ID: MA13028

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	17:00 CCB12		17:54 CCB13		18:49 CCB14		19:43 CCB15	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14								
Antimony		6.0	1	anr							
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2								
Cadmium		5.0	.2	anr							
Calcium		1000	50								
Chromium		10	1	anr							
Cobalt		50	.2								
Copper		25	1	anr							
Iron		300	17	anr							
Lead		5.0	1	-0.30	<5.0	-0.30	<5.0	-0.10	<5.0	-0.30	<5.0
Magnesium		5000	35								
Manganese		15	.5	anr							
Molybdenum		50	.3								
Nickel		40	.4								
Potassium		10000	200								
Selenium		10	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500								
Strontium		10	.5								
Thallium		10	1.1								
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/11/16
 Run ID: MA13028

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		20:38		21:19				
	Sample ID:	RL	IDL	CCB16	raw	final	CCB17	raw	final
Aluminum		200	14						
Antimony		6.0	1	anr					
Arsenic		10	1.3	anr					
Barium		200	1	anr					
Beryllium		4.0	.2						
Cadmium		5.0	.2	anr					
Calcium		1000	50						
Chromium		10	1	anr					
Cobalt		50	.2						
Copper		25	1	anr					
Iron		300	17	anr					
Lead		5.0	1	-0.60	<5.0	-0.60	<5.0		
Magnesium		5000	35						
Manganese		15	.5	anr					
Molybdenum		50	.3						
Nickel		40	.4						
Potassium		10000	200						
Selenium		10	2.4	anr					
Silver		10	.7	anr					
Sodium		10000	500						
Strontium		10	.5						
Thallium		10	1.1						
Tin		50	.9						
Titanium		10	.5						
Vanadium		50	.5						
Zinc		20	3	anr					

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
 6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31930
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13028 Units: ug/l

Metal	Time:		05:09		05:38		06:31			
	Sample ID:	ICV	ICV1	CCV	CCV1	CCV	CCV2			
		True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum										
Antimony	anr									
Arsenic	anr									
Barium	anr									
Beryllium										
Cadmium	anr									
Calcium										
Chromium	anr									
Cobalt										
Copper	anr									
Iron	anr									
Lead	2000	2000	2000	100.0	2000	2050	102.5	2000	2090	104.5
Magnesium										
Manganese	anr									
Molybdenum										
Nickel										
Potassium										
Selenium	anr									
Silver	anr									
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc	anr									

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31930
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13028 Units: ug/l

Metal	Sample ID	Time: CCV	07:25		CCV	08:19		CCV	09:13	
			CCV3	Results		CCV4	Results		CCV5	Results
		True	% Rec	% Rec	True	% Rec	% Rec	True	% Rec	% Rec
Aluminum										
Antimony	anr									
Arsenic	anr									
Barium	anr									
Beryllium										
Cadmium	anr									
Calcium										
Chromium	anr									
Cobalt										
Copper	anr									
Iron	anr									
Lead	2000	2080	104.0	2000	2030	101.5	2000	2020	101.0	
Magnesium										
Manganese	anr									
Molybdenum										
Nickel										
Potassium										
Selenium	anr									
Silver	anr									
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc	anr									

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31930
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13028 Units: ug/l

Metal	Sample ID:	Time:	10:08		11:04		13:23			
			CCV6	CCV7	CCV8	CCV9				
			Results	% Rec	Results	% Rec	Results	% Rec		
Aluminum										
Antimony	anr									
Arsenic	anr									
Barium	anr									
Beryllium										
Cadmium	anr									
Calcium										
Chromium	anr									
Cobalt										
Copper	anr									
Iron	anr									
Lead	2000		2020	101.0	2000	2030	101.5	2000	2010	100.5
Magnesium										
Manganese	anr									
Molybdenum										
Nickel										
Potassium										
Selenium	anr									
Silver	anr									
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc	anr									

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31930
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13028 Units: ug/l

Metal	Sample ID	CCV	14:15		CCV	15:08		CCV	16:02	
			CCV9	Results		CCV10	Results		CCV11	Results
		True		% Rec	True		% Rec	True		% Rec
Aluminum										
Antimony	anr									
Arsenic	anr									
Barium	anr									
Beryllium										
Cadmium	anr									
Calcium										
Chromium	anr									
Cobalt										
Copper	anr									
Iron	anr									
Lead	2000	2020	101.0	2000	2030	101.5	2000	1990	99.5	
Magnesium										
Manganese	anr									
Molybdenum										
Nickel										
Potassium										
Selenium	anr									
Silver	anr									
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc	anr									

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31930
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13028 Units: ug/l

Metal	Sample ID	CCV	16:56		CCV	17:50		CCV	18:45	
			CCV12	Results		CCV13	Results		CCV14	Results
		True		% Rec	True		% Rec	True		% Rec
Aluminum										
Antimony	anr									
Arsenic	anr									
Barium	anr									
Beryllium										
Cadmium	anr									
Calcium										
Chromium	anr									
Cobalt										
Copper	anr									
Iron	anr									
Lead	2000		1980	99.0	2000	1960	98.0	2000	2000	100.0
Magnesium										
Manganese	anr									
Molybdenum										
Nickel										
Potassium										
Selenium	anr									
Silver	anr									
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc	anr									

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31930
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13028 Units: ug/l

Metal	Sample ID	CCV	19:39		CCV	20:34		CCV	21:15	
			CCV15	Results		CCV16	Results		CCV17	Results
		True		% Rec	True		% Rec	True		% Rec
Aluminum										
Antimony	anr									
Arsenic	anr									
Barium	anr									
Beryllium										
Cadmium	anr									
Calcium										
Chromium	anr									
Cobalt										
Copper	anr									
Iron	anr									
Lead	2000	2030	101.5	2000	2010	100.5	2000	2050	102.5	
Magnesium										
Manganese	anr									
Molybdenum										
Nickel										
Potassium										
Selenium	anr									
Silver	anr									
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc	anr									

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13028 Units: ug/l

Time:	05:05
Sample ID:	HSTD1
Metal	True
Results	% Rec

Aluminum			
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium	anr		
Calcium			
Chromium	anr		
Cobalt			
Copper	anr		
Iron	anr		
Lead	4000	4050	101.3
Magnesium			
Manganese	anr		
Molybdenum			
Nickel			
Potassium			
Selenium	anr		
Silver	anr		
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13028 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	05:18 CRIA1 Results	% Rec	21:01 CRIA2 Results	% Rec
Metal						
Aluminum	400	200				
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0	anr			
Calcium	2000	1000				
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	5.2	104.0	4.8	96.0
Magnesium	10000	5000				
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000				
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000				
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA31930
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13028 Units: ug/l

Time:	05:27	05:32	21:05	21:10						
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2						
Metal	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum	500000	500000	475000	95.0	511000	102.2	482000	96.4	502000	100.4
Antimony		1000	-1.2		1040	104.0	0.80		1060	106.0
Arsenic		1000	1.1		1120	112.0	0.60		1130	113.0
Barium		500	0.80		513	102.6	-4.4		513	102.6
Beryllium		500	0.20		526	105.2	0.10		520	104.0
Cadmium		1000	0.0		1010	101.0	1.8		1010	101.0
Calcium	500000	500000	468000	93.6	490000	98.0	465000	93.0	482000	96.4
Chromium		500	0.80		531	106.2	0.60		526	105.2
Cobalt		500	0.40		490	98.0	-0.80		489	97.8
Copper		500	0.20		542	108.4	0.0		549	109.8
Iron	200000	200000	179000	89.5	192000	96.0	180000	90.0	190000	95.0
Lead		1000	0.30		995	99.5	-8.4		986	98.6
Magnesium	500000	500000	505000	101.0	535000	107.0	496000	99.2	519000	103.8
Manganese		500	0.50		531	106.2	0.50		529	105.8
Molybdenum		1000	0.20		957	95.7	-0.70		959	95.9
Nickel		1000	0.10		998	99.8	-0.80		1010	101.0
Potassium			551		16.3		418		137	
Selenium		1000	0.0		1060	106.0	1.1		1060	106.0
Silver		1000	0.30		1070	107.0	-0.60		1080	108.0
Sodium			756		226		522		278	
Strontium		1000	0.60		1030	103.0	0.70		1050	105.0
Thallium		1000	-1.1		979	97.9	-4.2		977	97.7
Tin		1000	3.1		954	95.4	2.7		944	94.4
Titanium		1000	0.20		1040	104.0	0.30		1040	104.0
Vanadium		500	0.0		488	97.6	-1.3		489	97.8
Zinc		1000	0.10		1010	101.0	1.0		986	98.6

(*) Outside of QC limits
(anr) Analyte not requested

6.1.6
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA041316M2.ICP
 Analyst: LM
 Parameters: Pb

Date Analyzed: 04/13/16 Methods: SW846 6010C
 Run ID: MA13091

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:13	MA13091-STD1	1		STDA
10:18	MA13091-STD2	1		STDB
10:21	MA13091-STD3	1		STDC
10:25	MA13091-STD4	1		STDD
10:29	MA13091-HSTD1	1		
10:35	MA13091-ICV1	1		
10:41	MA13091-ICB1	1		
10:45	MA13091-CR1A1	1		
10:52	MA13091-ICSA1	1		
10:59	MA13091-ICSAB1	1		
11:07	MA13091-CCV1	1		
11:18	MA13091-CCB1	1		
12:07	MA13091-CCV2	1		
12:16	MA13091-CCB2	1		
12:55	MA13091-CCV3	1		
12:59	MA13091-CCB3	1		
13:15	MP30238-MB1	5		
13:19	MP30238-B1	5		
13:24	FA31930-1	5		
13:28	MP30238-D1	5		
13:32	MP30238-D2	5		
13:37	MP30238-SD1	25		
13:41	MP30238-PS1	5		
13:45	MP30238-S1	5		
13:50	MP30238-S2	5		
13:54	FA31930-6	5		
13:58	MA13091-CCV4	1		
14:02	MA13091-CCB4	1		
14:07	FA31930-9	5		
14:11	FA31930-13	5		
14:16	FA31930-16	5		
14:20	FA31930-19	5		
14:24	FA31930-22	5		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31930
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA041316M2.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 04/13/16 Methods: SW846 6010C
Run ID: MA13091

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:29	FA31930-25	5		
14:33	FA31930-28	5		
14:37	FA31930-31	5		
14:42	FA31930-34	5		
14:46	FA31930-35	5		
----->	Last reportable sample/prep for job FA31930			
14:50	MA13091-CCV5	1		
14:55	MA13091-CCB5	1		
14:59	MP30240-MB1	1		
15:04	MP30240-B1	1		
15:08	FA33018-1	1		(sample used for QC only; not part of login FA31930)
15:12	MP30240-D1	1		
15:17	MP30240-SD1	5		
15:21	MP30240-PS1	1		
15:26	MP30240-S1	1		
15:30	MP30240-S2	1		
15:34	ZZZZZZ	1		
15:38	ZZZZZZ	1		
15:43	MA13091-CCV6	1		
15:47	MA13091-CCB6	1		
15:51	ZZZZZZ	1		
15:56	ZZZZZZ	1		
16:00	ZZZZZZ	1		
16:05	ZZZZZZ	1		
16:09	ZZZZZZ	1		
16:14	ZZZZZZ	1		
16:18	ZZZZZZ	1		
16:22	ZZZZZZ	1		
16:27	ZZZZZZ	1		
16:32	ZZZZZZ	1		
16:37	MA13091-CCV7	1		
16:41	MA13091-CCB7	1		
16:45	ZZZZZZ	1		
17:14	ZZZZZZ	1		

6.2
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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31930
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA041316M2.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 04/13/16
Run ID: MA13091
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:18	MA13091-CRIA2	1		
17:23	MA13091-ICSA2	1		
17:28	MA13091-ICSAB2	1		
17:32	MA13091-CCV8	1		
17:36	MA13091-CCB8	1		
----->	Last reportable CCB for job FA31930			
17:41	MA13091-CCV9	1		
17:45	MA13091-CCB9	1		

Refer to raw data for calibration curve and standards.

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INTERNAL STANDARD SUMMARY

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA041316M2.ICP Date Analyzed: 04/13/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13091
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:13	MA13091-STD1	5074	41833	3767	2713
10:18	MA13091-STD2	5037	41313	3725	2566
10:21	MA13091-STD3	4799	39552	3633	2327
10:25	MA13091-STD4	4614	38568	3579	2156
10:29	MA13091-HSTD1	4624	38537	3576	2162
10:35	MA13091-ICV1	4806	39668	3615	2333
10:41	MA13091-ICB1	5042 R	41556 R	3705 R	2707 R
10:45	MA13091-CR1A1	5032	41399	3763	2639
10:52	MA13091-ICSA1	4437	35876	3454	2079
10:59	MA13091-ICSAB1	4404	35873	3417	2043
11:07	MA13091-CCV1	4771	39655	3640	2328
11:18	MA13091-CCB1	5010	41434	3695	2722
12:07	MA13091-CCV2	4756	39160	3597	2305
12:16	MA13091-CCB2	5050	41639	3704	2709
12:55	MA13091-CCV3	4785	39657	3636	2319
12:59	MA13091-CCB3	5017	41530	3713	2695
13:15	MP30238-MB1	5046	41837	3673	2677
13:19	MP30238-B1	5032	41191	3634	2613
13:24	FA31930-1	5086	41706	3693	2561
13:28	MP30238-D1	5088	41700	3679	2570
13:32	MP30238-D2	5083	41741	3700	2561
13:37	MP30238-SD1	5114	41888	3679	2649
13:41	MP30238-PS1	5104	41366	3659	2552
13:45	MP30238-S1	5114	41366	3645	2517
13:50	MP30238-S2	5106	40949	3722	2513
13:54	FA31930-6	5146	41953	3689	2566
13:58	MA13091-CCV4	4861	39634	3565	2324
14:02	MA13091-CCB4	5126	41928	3669	2713
14:07	FA31930-9	5124	41765	3709	2539
14:11	FA31930-13	5162	42035	3756	2448
14:16	FA31930-16	5288	42252	3726	2547
14:20	FA31930-19	5166	42164	3671	2599
14:24	FA31930-22	5153	41915	3691	2588

INTERNAL STANDARD SUMMARY

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA041316M2.ICP Date Analyzed: 04/13/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13091
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:29	FA31930-25	5121	41896	3714	2574
14:33	FA31930-28	5144	42012	3682	2599
14:37	FA31930-31	5140	41904	3674	2626
14:42	FA31930-34	5182	42035	3673	2601
14:46	FA31930-35	5160	41940	3655	2613
14:50	MA13091-CCV5	4883	40058	3599	2339
14:55	MA13091-CCB5	5079	41772	3684	2697
14:59	MP30240-MB1	5118	42756	3771	2732
15:04	MP30240-B1	4981	40653	3613	2458
15:08	FA33018-1	5165	42953	3697	2708
15:12	MP30240-D1	5154	43118	3708	2697
15:17	MP30240-SD1	5177	42555	3724	2723
15:21	MP30240-PS1	5077	41701	3661	2589
15:26	MP30240-S1	5001	40823	3619	2454
15:30	MP30240-S2	5007	40789	3599	2453
15:34	ZZZZZZ	5536	45346	3912	2593
15:38	ZZZZZZ	5896	48440	4176	2611
15:43	MA13091-CCV6	4908	40388	3611	2331
15:47	MA13091-CCB6	5159	41993	3651	2715
15:51	ZZZZZZ	5492	45171	3874	2640
15:56	ZZZZZZ	5486	45326	3911	2602
16:00	ZZZZZZ	5365	44121	3770	2656
16:05	ZZZZZZ	5600	46327	3975	2657
16:09	ZZZZZZ	5586	46222	3982	2659
16:14	ZZZZZZ	10755 !	87866 !	7796 !	2404
16:18	ZZZZZZ	4513	37029	3568	1987
16:22	ZZZZZZ	4936	40092	3761	1941
16:27	ZZZZZZ	4981	40635	3719	2149
16:32	ZZZZZZ	5118	41841	3953	1958
16:37	MA13091-CCV7	4874	39848	3545	2325
16:41	MA13091-CCB7	5127	41797	3631	2698
16:45	ZZZZZZ	5018	40728	3853	1989
17:14	ZZZZZZ	5250	41895	3603	2498

6.2.1
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INTERNAL STANDARD SUMMARY

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA041316M2.ICP Date Analyzed: 04/13/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13091
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:18	MA13091-CRIA2	5134	41643	3544	2625
17:23	MA13091-ICSA2	4494	35723	3218	2049
17:28	MA13091-ICSAB2	4502	35998	3228	2027
17:32	MA13091-CCV8	4879	39539	3398	2313
17:36	MA13091-CCB8	5122	41697	3467	2680
17:41	MA13091-CCV9	4899	40058	3473	2317
17:45	MA13091-CCB9	5116	41727	3499	2675

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.2.1
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA041316M2.ICP
 QC Limits: result < RL

Date Analyzed: 04/13/16
 Run ID: MA13091

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		10:41		11:18		12:16		12:59		
	Sample ID:	RL	IDL	ICB1	final	CCB1	final	CCB2	final	CCB3	final
Aluminum	200	14									
Antimony	20	1									
Arsenic	10	1.3	anr								
Barium	200	1	anr								
Beryllium	5.0	.2									
Cadmium	4.0	.2	anr								
Calcium	5000	50									
Chromium	10	1	anr								
Cobalt	50	.2									
Copper	25	1									
Iron	300	17									
Lead	20	1	-0.80	<20	0.10	<20	0.10	<20	-0.50	<20	
Magnesium	5000	35									
Manganese	15	.5									
Molybdenum	50	.3									
Nickel	40	.4									
Potassium	10000	200									
Selenium	20	2.4	anr								
Silver	10	.7	anr								
Sodium	10000	500									
Strontium	10	.5									
Thallium	10	1.1									
Tin	50	.9									
Titanium	10	.5									
Vanadium	50	.5									
Zinc	20	3									

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA041316M2.ICP
 QC Limits: result < RL

Date Analyzed: 04/13/16
 Run ID: MA13091

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	14:02 CCB4		14:55 CCB5		15:47 CCB6		16:41 CCB7	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14								
Antimony		20	1								
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		5.0	.2								
Cadmium		4.0	.2	anr							
Calcium		5000	50								
Chromium		10	1	anr							
Cobalt		50	.2								
Copper		25	1								
Iron		300	17								
Lead		20	1	0.0	<20	-0.10	<20	0.10	<20	0.30	<20
Magnesium		5000	35								
Manganese		15	.5								
Molybdenum		50	.3								
Nickel		40	.4								
Potassium		10000	200								
Selenium		20	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500								
Strontium		10	.5								
Thallium		10	1.1								
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3								

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA041316M2.ICP
 QC Limits: result < RL

Date Analyzed: 04/13/16
 Run ID: MA13091

Methods: SW846 6010C
 Units: ug/l

Time:	17:36			
Sample ID:	CCB8			
Metal	RL	IDL	raw	final
Aluminum	200	14		
Antimony	20	1		
Arsenic	10	1.3	anr	
Barium	200	1	anr	
Beryllium	5.0	.2		
Cadmium	4.0	.2	anr	
Calcium	5000	50		
Chromium	10	1	anr	
Cobalt	50	.2		
Copper	25	1		
Iron	300	17		
Lead	20	1	-0.60	<20
Magnesium	5000	35		
Manganese	15	.5		
Molybdenum	50	.3		
Nickel	40	.4		
Potassium	10000	200		
Selenium	20	2.4	anr	
Silver	10	.7	anr	
Sodium	10000	500		
Strontium	10	.5		
Thallium	10	1.1		
Tin	50	.9		
Titanium	10	.5		
Vanadium	50	.5		
Zinc	20	3		

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31930
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA041316M2.ICP Date Analyzed: 04/13/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13091 Units: ug/l

Metal	Time:		10:35		11:07		12:07		
	Sample ID:	ICV	ICV1	CCV	CCV1	CCV2	CCV	CCV2	
	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper									
Iron									
Lead	2000	1990	99.5	2000	2030	101.5	2000	2050	102.5
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31930
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA041316M2.ICP Date Analyzed: 04/13/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13091 Units: ug/l

Metal	Sample ID	CCV	12:55		CCV	13:58		CCV	14:50	
			CCV3	Results		CCV4	Results		CCV5	Results
		True	% Rec		True	% Rec		True	% Rec	
Aluminum										
Antimony										
Arsenic		anr								
Barium		anr								
Beryllium										
Cadmium		anr								
Calcium										
Chromium		anr								
Cobalt										
Copper										
Iron										
Lead		2000	2030	101.5	2000	2020	101.0	2000	2000	100.0
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium		anr								
Silver		anr								
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31930
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA041316M2.ICP Date Analyzed: 04/13/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13091 Units: ug/l

Metal	Sample ID	CCV	15:43		16:37		17:32			
			CCV6	Results	CCV7	Results	CCV8	Results		
		True		% Rec	True	% Rec	True	% Rec		
Aluminum										
Antimony										
Arsenic	anr									
Barium	anr									
Beryllium										
Cadmium	anr									
Calcium										
Chromium	anr									
Cobalt										
Copper										
Iron										
Lead	2000		2000	100.0	2000	2010	100.5	2000	1990	99.5
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium	anr									
Silver	anr									
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA041316M2.ICP Date Analyzed: 04/13/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13091 Units: ug/l

Time:	10:29	
Sample ID:	HSTD	HSTD1
Metal	True	Results % Rec

Aluminum			
Antimony			
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium	anr		
Calcium			
Chromium	anr		
Cobalt			
Copper			
Iron			
Lead	4000	4030	100.8
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium	anr		
Silver	anr		
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA041316M2.ICP Date Analyzed: 04/13/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13091 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	10:45 CRIA1 Results	% Rec	17:18 CRIA2 Results	% Rec
Metal						
Aluminum	400	200				
Antimony	10	5.0				
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0	anr			
Calcium	2000	1000				
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25				
Iron	600	300				
Lead	10	5.0	4.4	88.0	4.8	96.0
Magnesium	10000	5000				
Manganese	30	15				
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000				
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000				
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20				

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA31930
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA041316M2.ICP Date Analyzed: 04/13/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13091 Units: ug/l

Time:	10:52	10:59	17:23	17:28						
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2						
Metal	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum	500000	500000	492000	98.4	498000	99.6	523000	104.6	524000	104.8
Antimony		1000	1.2		1030	103.0	1.5		991	99.1
Arsenic		1000	0.0		1090	109.0	-0.40		1050	105.0
Barium		500	-0.30		505	101.0	-0.30		543	108.6
Beryllium		500	-0.30		500	100.0	-0.20		501	100.2
Cadmium		1000	0.0		946	94.6	-1.3		921	92.1
Calcium	500000	500000	490000	98.0	488000	97.6	491000	98.2	484000	96.8
Chromium		500	0.10		498	99.6	0.20		500	100.0
Cobalt		500	-0.40		466	93.2	-0.30		465	93.0
Copper		500	0.0		528	105.6	0.80		543	108.6
Iron	200000	200000	185000	92.5	183000	91.5	189000	94.5	186000	93.0
Lead		1000	0.0		946	94.6	-6.0		934	93.4
Magnesium	500000	500000	512000	102.4	516000	103.2	544000	108.8	545000	109.0
Manganese		500	-0.40		504	100.8	-0.70		487	97.4
Molybdenum		1000	0.0		938	93.8	-0.10		935	93.5
Nickel		1000	0.10		945	94.5	0.30		908	90.8
Potassium			-48		-95		14.9		17.0	
Selenium		1000	0.0		1010	101.0	3.2		990	99.0
Silver		1000	-0.40		1010	101.0	-0.80		1040	104.0
Sodium			124		150		263		268	
Strontium		1000	0.0		1020	102.0	0.10		1020	102.0
Thallium		1000	0.0		957	95.7	-2.8		940	94.0
Tin		1000	0.80		933	93.3	1.2		945	94.5
Titanium		1000	-0.20		1020	102.0	-0.20		985	98.5
Vanadium		500	0.0		471	94.2	0.50		458	91.6
Zinc		1000	-3.1		954	95.4	-3.8		902	90.2

(*) Outside of QC limits
(anr) Analyte not requested

6.2.6
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA31930
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30097
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/11/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	14	14		
Antimony	6.0	1	1		
Arsenic	10	1.3	1.3		
Barium	200	1	1		
Beryllium	4.0	.2	.2		
Cadmium	5.0	.2	.2		
Calcium	1000	50	50		
Chromium	10	1	1		
Cobalt	50	.2	.2		
Copper	25	1	1		
Iron	300	17	17		
Lead	5.0	1	1.1	-0.20	<5.0
Magnesium	5000	35	35		
Manganese	15	.5	1		
Molybdenum	50	.3	.3		
Nickel	40	.4	.4		
Potassium	10000	200	200		
Selenium	10	2.4	2.9		
Silver	10	.7	.7		
Sodium	10000	500	500		
Strontium	10	.5	.5		
Thallium	10	1.1	1.4		
Tin	50	.9	1		
Titanium	10	.5	1		
Vanadium	50	.5	.6		
Zinc	20	3	4.4		

Associated samples MP30097: FA31930-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.3.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30097
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/11/16 03/11/16

Metal	FA32009-1 Original	DUP	RPD	QC Limits	FA32009-1 Original MS	Spikelot MPFLICP2 % Rec	QC Limits		
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	0.0	0.0	NC	0-20	0.0	524	500	104.8	80-120
Magnesium									
Manganese	anr								
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

Associated samples MP30097: FA31930-5

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.3.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30097
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/11/16

Metal	FA32009-1 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit		
Aluminum						
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	anr					
Iron	anr					
Lead	0.0	525	500	105.0	0.2	20
Magnesium						
Manganese	anr					
Molybdenum						
Nickel						
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP30097: FA31930-5

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.3.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30097
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/11/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron	anr			
Lead	517	500	103.4	80-120
Magnesium				
Manganese	anr			
Molybdenum				
Nickel				
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP30097: FA31930-5

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.3.3
6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30097
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/11/16

Metal	FA32009-1	Original	SDL 1:5	%DIF	QC Limits
Aluminum					
Antimony	anr				
Arsenic	anr				
Barium	anr				
Beryllium					
Cadmium	anr				
Calcium					
Chromium	anr				
Cobalt					
Copper	anr				
Iron	anr				
Lead	0.00	0.00	NC		0-10
Magnesium					
Manganese	anr				
Molybdenum					
Nickel					
Potassium					
Selenium	anr				
Silver	anr				
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc	anr				

Associated samples MP30097: FA31930-5

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.3.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30097
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date:

03/11/16

Metal	Sample ml	Final ml	FA32009-1 Raw	PS Corr.** ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	9.8	10		49.7	0.2	2.5	50	99.4	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP30097: FA31930-5

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (**) Corr. sample result = Raw * (sample volume / final volume)
 (anr) Analyte not requested

6.3.5
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA31930
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30238
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 04/13/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.4	3.5		
Antimony	2.0	.1	.13		
Arsenic	1.0	.13	.2		
Barium	20	.1	.1		
Beryllium	0.50	.02	.05		
Cadmium	0.40	.02	.05		
Calcium	500	5	5		
Chromium	1.0	.1	.1		
Cobalt	5.0	.02	.05		
Copper	2.5	.1	.1		
Iron	30	1.7	1.7		
Lead	2.0	.1	.1	0.0	<2.0
Magnesium	500	3.5	3.6		
Manganese	1.5	.05	.05		
Molybdenum	5.0	.03	.05		
Nickel	4.0	.04	.05		
Potassium	1000	20	20		
Selenium	2.0	.24	.24		
Silver	1.0	.07	.082		
Sodium	1000	50	50		
Strontium	1.0	.05	.05		
Thallium	1.0	.11	.11		
Tin	5.0	.09	.09		
Titanium	1.0	.05	.05		
Vanadium	5.0	.05	.05		
Zinc	2.0	.3	.3		

Associated samples MP30238: FA31930-1, FA31930-6, FA31930-9, FA31930-13, FA31930-16, FA31930-19, FA31930-22, FA31930-25, FA31930-28, FA31930-31, FA31930-34, FA31930-35

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.4.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30238
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/13/16 04/13/16

Metal	FA31930-1		RPD	QC Limits	FA31930-1		QC Limits
	Original	DUP			Original	DUP	
Aluminum							
Antimony							
Arsenic							
Barium							
Beryllium							
Cadmium							
Calcium							
Chromium							
Cobalt							
Copper							
Iron							
Lead	54.2	51.8	4.5	0-20	54.2	62.8	14.7 0-20
Magnesium							
Manganese							
Molybdenum							
Nickel							
Potassium							
Selenium							
Silver							
Sodium							
Strontium							
Thallium							
Tin							
Titanium							
Vanadium							
Zinc							

Associated samples MP30238: FA31930-1, FA31930-6, FA31930-9, FA31930-13, FA31930-16, FA31930-19, FA31930-22, FA31930-25, FA31930-28, FA31930-31, FA31930-34, FA31930-35

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.4.2
 6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30238
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/13/16

Metal	FA31930-1 Original MS	Spikelot MPFLICP2 % Rec	QC Limits
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead	54.2 68.1	9.54	146.0(a) 80-120
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

Associated samples MP30238: FA31930-1, FA31930-6, FA31930-9, FA31930-13, FA31930-16, FA31930-19, FA31930-22, FA31930-25, FA31930-28, FA31930-31, FA31930-34, FA31930-35

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

6.4.2

6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30238
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/13/16

Metal	FA31930-1 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	54.2 62.9	9.52 91.3	7.9	20
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30238: FA31930-1, FA31930-6, FA31930-9, FA31930-13, FA31930-16, FA31930-19, FA31930-22, FA31930-25, FA31930-28, FA31930-31, FA31930-34, FA31930-35

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.4.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30238
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/13/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	9.6	10	96.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30238: FA31930-1, FA31930-6, FA31930-9, FA31930-13, FA31930-16, FA31930-19, FA31930-22, FA31930-25, FA31930-28, FA31930-31, FA31930-34, FA31930-35

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.3
6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30238
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 04/13/16

Metal	FA31930-1	QC
	Original SDL 5:25 %DIF	Limits

Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	2910	2820	3.0	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30238: FA31930-1, FA31930-6, FA31930-9, FA31930-13, FA31930-16, FA31930-19, FA31930-22, FA31930-25, FA31930-28, FA31930-31, FA31930-34, FA31930-35

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA31930
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30238
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date:

04/13/16

Metal	Sample ml	Final ml	FA31930-1 Raw	PS Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead	9.8	10	2905	2846.9	2906	0.2	2.5	50	118.2	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP30238: FA31930-1, FA31930-6, FA31930-9, FA31930-13, FA31930-16, FA31930-19, FA31930-22, FA31930-25, FA31930-28, FA31930-31, FA31930-34, FA31930-35

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (**) Corr. sample result = Raw * (sample volume / final volume)
 (anr) Analyte not requested

6.4.5
6

Instrument Detection Limits

Job Number: FA31930
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1	Effective Date: 01/27/15
-------------------------	--------------------------

Analyte	IDL ug/l
Aluminum	14
Antimony	1
Arsenic	1.3
Barium	1
Beryllium	.2
Cadmium	.2
Calcium	50
Chromium	1
Cobalt	.2
Copper	1
Iron	17
Lead	1
Magnesium	35
Manganese	.5
Molybdenum	.3
Nickel	.4
Potassium	200
Selenium	2.4
Silicon	5
Silver	.7
Sodium	500
Strontium	.5
Sulfur	5
Thallium	1.1
Tin	.9
Titanium	.5
Vanadium	.5
Zinc	3

The above applies to the following instrument runs:
MA13028,MA13091

6.5
6

Instrument Linear Ranges

Job Number: FA31930
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1

Effective Date: 08/13/13

Analyte	Linear Range ug/l
Aluminum	500000
Antimony	10000
Arsenic	10000
Barium	10000
Beryllium	10000
Cadmium	10000
Calcium	500000
Chromium	10000
Cobalt	10000
Copper	10000
Iron	500000
Lead	10000
Magnesium	500000
Manganese	10000
Molybdenum	10000
Nickel	10000
Potassium	80000
Selenium	10000
Silver	1000
Sodium	80000
Strontium	10000
Sulfur	10000
Thallium	10000
Tin	10000
Titanium	10000
Vanadium	10000
Zinc	10000

The above applies to the following instrument runs:
MA13028,MA13091

Metals Analysis

Raw Data

Sample Name: Blank Acquired: 3/11/2016 4:50:46 Type: Cal
Method: 60102007_042011(v917) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.003	.0003	-0.0006	.0022	.0010	.0058	-0.0012	-0.0007	-0.0002
Stddev	.0001	.0005	.0001	.0013	.0008	.0009	.0002	.0001	.0001
%RSD	24.49	167.9	13.58	58.87	79.31	15.80	12.82	8.928	77.12
#1	-.0002	-.0001	-.0006	.0023	.0001	.0055	-.0010	-.0008	-.0003
#2	-.0003	.0008	-.0006	.0036	.0015	.0050	-.0013	-.0007	-.0002
#3	-.0004	.0002	-.0005	.0009	.0014	.0068	-.0013	-.0006	-.0001

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0059	.0016	-0.0111	-0.0004	.0005	.0013	-0.0180	-0.0004	.0000
Stddev	.0001	.0008	.0033	.0003	.0001	.0002	.0040	.0002	.0004
%RSD	1.419	46.22	29.24	71.62	12.67	14.75	22.47	49.40	4341.
#1	.0060	.0025	-.0093	-.0008	.0005	.0014	-.0201	-.0006	.0003
#2	.0059	.0014	-.0149	-.0002	.0006	.0015	-.0133	-.0005	-.0005
#3	.0059	.0010	-.0092	-.0003	.0006	.0011	-.0205	-.0002	.0003

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0010	-0.0002	.0005	.0005	.0012	.0016	-0.0017	-0.0008	.0009
Stddev	.0000	.0002	.0001	.0001	.0008	.0001	.0001	.0002	.0001
%RSD	4.978	70.69	2.331	15.69	69.21	7.334	4.005	18.62	6.924
#1	.0010	-.0002	.0056	.0005	.0011	.0016	-.0017	-.0007	.0009
#2	.0010	-.0004	.0056	.0005	.0004	.0018	-.0017	-.0008	.0008
#3	.0009	-.0001	.0053	.0006	.0021	.0015	-.0016	-.0010	.0009

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2921.6	5592.1	4251.2	3751.6
Stddev	7.6	7.6	319.	23.1
%RSD	.26173	.13646	.75033	.61660
#1	2919.7	5599.5	42309.	3725.2
#2	2929.9	5592.4	42348.	3761.3
#3	2915.0	5584.3	42880.	3768.3

Raw Data MA13028 page 1 of 234

Sample Name: LowStd Acquired: 3/11/2016 4:54:24 Type: Cal
Method: 60102007_042011(v917) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0356	2.442	.0872	4.129	5.967	2.827	2.450	1.319	2.843
Stddev	.0002	.009	.0004	.023	.017	.009	.006	.003	.0012
%RSD	.5455	.3820	.4235	.5473	.2761	.3002	.2465	.2393	.4325
#1	.0355	2.448	.0870	4.129	5.978	2.834	2.445	1.317	2.832
#2	.0355	2.431	.0869	4.106	5.948	2.818	2.448	1.319	2.842
#3	.0358	2.446	.0876	4.151	5.976	2.830	2.457	1.323	2.856

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4498	1.960	1.019	.3082	1.551	.5566	4.385	.7916	.4238
Stddev	.0008	.007	.001	.0004	.004	.0013	.001	.0034	.0006
%RSD	.1775	.3780	.0925	.1143	.2783	.2310	.0322	.4242	.1463
#1	.4507	1.957	1.019	.3079	1.547	.5557	4.385	.7888	.4237
#2	.4495	1.955	1.018	.3083	1.552	.5561	4.387	.7906	.4233
#3	.4492	1.969	1.020	.3086	1.555	.5581	4.384	.7953	.4245

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1219	.0630	.1954	.2075	7.916	1.042	.1487	.3611	1.234
Stddev	.0003	.0001	.0002	.0002	.024	.001	.0004	.0008	.002
%RSD	2.309	.2240	.1248	.1091	.3016	.1235	.2705	.2163	.1495
#1	.1217	.0628	.1952	.2074	7.916	1.041	.1489	.3603	1.233
#2	.1218	.0631	.1953	.2078	7.893	1.042	.1482	.3618	1.234
#3	.1222	.0631	.1957	.2074	7.941	1.044	.1489	.3613	1.236

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2700.0	5494.7	41388.	3709.4
Stddev	3.9	15.3	265.	3.7
%RSD	.14483	.27895	.64032	.09874
#1	2704.4	5503.9	41675.	3711.9
#2	2698.4	5503.3	41338.	3711.0
#3	2697.1	5477.0	41152.	3705.2

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Sample Name: MidStd Acquired: 3/11/2016 4:57:45 Type: Cal
Method: 60102007_042011(v917) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1375	9.046	3.594	16.83	23.90	10.34	9.661	5.218	1.109
Stddev	.0002	.053	.0009	.08	.09	.09	.020	.009	.003
%RSD	.1443	.5909	.2383	.4462	.3646	.8798	.2066	.1635	.2769
#1	.1376	9.058	3.585	16.85	23.89	10.39	9.639	5.208	1.106
#2	.1376	8.987	3.598	16.75	23.82	10.23	9.677	5.221	1.112
#3	.1373	9.092	3.601	16.89	24.00	10.39	9.668	5.224	1.108

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.785	6.987	3.878	1.125	6.007	2.280	16.56	3.101	1.722
Stddev	.002	.040	.030	.009	.011	.006	.05	.003	.007
%RSD	.1049	.5695	.7621	.8300	.1821	.2719	.3149	.1106	.4016
#1	1.783	6.996	3.894	1.132	5.996	2.274	16.55	3.097	1.716
#2	1.787	6.944	3.844	1.115	6.018	2.281	16.50	3.104	1.729
#3	1.785	7.022	3.897	1.129	6.008	2.286	16.61	3.101	1.722

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4970	.2586	.6473	.8334	32.22	4.198	6.040	1.458	4.803
Stddev	.0010	.0004	.0005	.0023	.07	.004	.0021	.003	.016
%RSD	.1952	.1441	.0843	.2757	.2234	.0970	.3416	.1963	.3393
#1	.4961	.2582	.6469	.8307	32.17	4.195	6.054	1.455	4.784
#2	.4968	.2586	.6471	.8350	32.18	4.202	6.049	1.457	4.816
#3	.4980	.2589	.6479	.8344	32.30	4.197	6.016	1.461	4.808

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2499.8	5343.2	40820.	3767.2
Stddev	1.9	4.1	99.	42.3
%RSD	.07638	.07758	.24211	1.1222
#1	2501.6	5345.1	40918.	3740.0
#2	2497.8	5346.0	40821.	3815.9
#3	2500.1	5338.4	40720.	3745.8

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Sample Name: HighStd Acquired: 3/11/2016 5:01:08 Type: Cal
Method: 60102007_042011(v917) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2797	18.10	.7299	34.01	47.45	20.54	19.08	10.32	2.175
Stddev	.0022	.11	.0018	.19	.25	.18	.02	.01	.005
%RSD	.7955	.6074	.2436	.5541	.5309	.8580	.1073	.0897	.2419
#1	.2806	17.98	.7279	33.83	47.16	20.36	19.06	10.32	2.172
#2	.2771	18.10	.7310	34.00	47.54	20.54	19.10	10.33	2.181
#3	.2813	18.20	.7309	34.20	47.64	20.72	19.08	10.32	2.171

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.569	14.11	7.856	2.242	11.57	4.469	33.33	6.137	3.515
Stddev	.006	.09	.054	.014	.02	.006	.13	.014	.005
%RSD	.1773	.6632	.6823	.6317	.2114	.1245	.3911	.2228	.1403
#1	3.571	14.02	7.798	2.227	11.59	4.463	33.19	6.125	3.517
#2	3.562	14.12	7.866	2.245	11.58	4.472	33.35	6.152	3.518
#3	3.5								

Sample Name: HSTD Acquired: 3/11/2016 5:05:16 Type: QC
 Method: 60102007_042011(v917) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5017	79.63	4.045	4.038	4.009	79.33	3.994	3.997	3.966
Stddev	.0023	.27	.007	.026	.012	.12	.004	.003	.017
%RSD	.4611	.3382	.1660	.6441	.2945	.1455	.0987	.0671	.4320

#1	.5024	79.84	4.050	4.067	4.012	79.42	3.993	3.994	3.956
#2	.5036	79.73	4.047	4.030	4.018	79.37	3.998	4.000	3.956
#3	.4992	79.32	4.037	4.017	3.995	79.20	3.990	3.997	3.985

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.002	79.60	79.90	79.16	3.939	3.999	80.23	3.995	4.053
Stddev	.004	.25	.28	.15	.007	.002	.34	.004	.001
%RSD	.1089	.3189	.3540	.1900	.1684	.0526	.4290	.1057	.0216

#1	4.000	79.78	80.17	79.12	3.932	3.997	80.38	3.992	4.053
#2	4.007	79.71	79.94	79.33	3.946	3.999	80.48	4.000	4.052
#3	3.999	79.31	79.61	79.04	3.938	4.001	79.84	3.993	4.052

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.047	4.034	3.971	3.969	4.018	3.988	4.017	3.998	3.991
Stddev	.007	.005	.008	.001	.019	.006	.008	.018	.005
%RSD	.1802	.1208	.2083	.0254	.4656	.1487	.1979	.4418	.1183

#1	4.040	4.032	3.962	3.969	4.034	3.993	4.017	3.984	3.996
#2	4.054	4.039	3.977	3.968	4.022	3.982	4.009	3.991	3.987
#3	4.048	4.030	3.975	3.969	3.998	3.990	4.025	4.018	3.989

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 3/11/2016 5:05:16 Type: QC
 Method: 60102007_042011(v917) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2302.8	5107.7	3975.8	3746.1
Stddev	3.7	4.4	25.	12.5
%RSD	.15904	.08592	.06167	.33385

#1	2299.6	5106.9	39771.	3749.6
#2	2306.8	5112.5	39729.	3732.2
#3	2302.0	5103.8	39773.	3756.4

Sample Name: ICV Acquired: 3/11/2016 5:09:09 Type: QC
 Method: 60102007_042011(v917) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2555	40.97	1.991	2.055	2.046	41.92	2.034	2.036	2.015
Stddev	.0007	.13	.003	.007	.007	.14	.005	.004	.005
%RSD	.2675	.3171	.1477	.3575	.3491	.3315	.2357	.1946	.2530

#1	.2547	41.00	1.992	2.058	2.051	42.00	2.035	2.038	2.017
#2	.2557	41.09	1.988	2.061	2.050	42.00	2.028	2.032	2.018
#3	.2560	40.83	1.994	2.047	2.038	41.76	2.038	2.039	2.009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.993	40.80	41.45	41.94	2.089	1.909	42.04	2.054	2.003
Stddev	.005	.11	.15	.04	.005	.002	.12	.005	.003
%RSD	.2709	.2720	.3685	.0949	.2475	.1111	.2747	.2303	.1405

#1	1.991	40.86	41.58	41.93	2.092	1.911	42.14	2.055	2.000
#2	1.998	40.87	41.49	41.91	2.093	1.907	42.07	2.049	2.005
#3	1.988	40.67	41.28	41.99	2.083	1.910	41.91	2.058	2.004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.015	2.032	.0938	2.029	1.925	1.954	2.078	1.890	2.046
Stddev	.004	.004	.0022	.003	.006	.005	.008	.005	.004
%RSD	.1751	.2181	2.350	.1668	.2932	.2550	.4046	.2628	.1958

#1	2.014	2.033	.0926	2.030	1.927	1.954	2.074	1.891	2.048
#2	2.012	2.027	.0925	2.026	1.929	1.960	2.087	1.894	2.042
#3	2.019	2.035	.0964	2.032	1.918	1.950	2.072	1.885	2.049

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 3/11/2016 5:09:09 Type: QC
 Method: 60102007_042011(v917) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2488.3	5290.2	4080.9	3787.2
Stddev	.2	13.1	198.	7.3
%RSD	.00660	.24793	.48555	.19305

#1	2488.5	5288.0	40635.	3782.7
#2	2488.2	5304.3	40767.	3795.6
#3	2488.1	5278.4	41024.	3783.3

Sample Name: ICB Acquired: 3/11/2016 5:14:48 Type: QC
 Method: 60102007_042011(v917) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0029	-0.003	.0002	.0001	.0012	.0001	.0000	.0001
Stddev	.0005	.0013	.0006	.0001	.0001	.0020	.0001	.0001	.0000
%RSD	275.6	45.25	198.9	43.10	78.57	164.6	68.24	251.5	31.28
#1	.0007	.0038	.0002	.0001	.0000	-.0007	.0001	.0001	.0001
#2	.0001	.0036	-.0002	.0002	.0002	.0033	.0001	.0000	.0001
#3	-.0002	.0014	-.0009	.0003	.0001	.0011	.0000	.0000	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0077	.0119	.0180	.0001	F-.0015	.0172	.0003	.0006
Stddev	.0002	.0011	.0252	.0111	.0000	.0003	.0045	.0001	.0007
%RSD	85.15	14.17	212.7	62.05	24.20	18.41	26.20	26.36	114.8
#1	.0004	.0089	-.0153	.0150	.0001	.0018	.0184	.0003	.0000
#2	.0000	.0073	.0164	.0303	.0001	.0015	.0210	.0004	.0013
#3	.0004	.0068	.0345	.0086	.0001	.0012	.0122	.0002	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0008	.0008	.0009	.0002	.0002	.0009	.0009	.0001	-.0002
Stddev	.0007	.0006	.0003	.0001	.0002	.0001	.0008	.0001	.0000
%RSD	94.45	81.76	37.11	54.40	100.6	7.856	95.71	48.22	29.02
#1	-.0002	.0012	.0008	.0001	.0000	.0010	.0002	.0001	-.0002
#2	-.0016	.0010	.0013	.0002	.0002	.0009	.0018	.0002	-.0001
#3	-.0005	.0001	.0007	.0003	.0003	.0008	.0006	.0002	-.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 3/11/2016 5:14:48 Type: QC
 Method: 60102007_042011(v917) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2944.5	5597.8	43435.	3883.7
Stddev	6.3	19.1	104.	25.9
%RSD	.21492	.34074	.23917	.66812
#1	2943.3	5612.6	43397.	3913.3
#2	2951.3	5604.6	43552.	3872.9
#3	2938.8	5576.3	43355.	3865.0

7.1
7

Sample Name: CRIA Acquired: 3/11/2016 5:18:46 Type: QC
 Method: 60102007_042011(v917) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0095	.2195	.0097	.1994	.0052	1.028	.0054	.0535	.0105
Stddev	.0003	.0036	.0004	.0010	.0001	.005	.0000	.0001	.0003
%RSD	3.018	1.622	4.459	4.854	2.141	.5342	.6001	2.156	2.697
#1	.0098	.2235	.0099	.2004	.0053	1.029	.0053	.0536	.0102
#2	.0094	.2184	.0092	.1993	.0051	1.023	.0054	.0535	.0106
#3	.0093	.2167	.0099	.1984	.0053	1.034	.0054	.0534	.0107

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0265	.3039	9.915	5.124	.0164	.0495	10.20	.0436	.0052
Stddev	.0001	.0028	.040	.021	.0001	.0002	.04	.0000	.0005
%RSD	.3994	.9113	.4075	.4153	.6211	.4343	.3939	.0711	10.14
#1	.0265	.3062	9.962	5.105	.0163	.0497	10.16	.0436	.0051
#2	.0264	.3046	9.893	5.121	.0165	.0494	10.24	.0436	.0058
#3	.0266	.3008	9.890	5.147	.0163	.0494	10.19	.0437	.0047

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F-.0039	F-.0121	.0490	.0524	.0100	.0105	.0109	.0492	.0222
Stddev	.0010	.0012	.0004	.0002	.0001	.0000	.0004	.0004	.0002
%RSD	24.83	10.32	.8752	.3767	.6945	.4063	3.279	.7932	.9043
#1	.0028	.0109	.0490	.0525	.0101	.0105	.0108	.0488	.0221
#2	.0045	.0134	.0494	.0525	.0100	.0104	.0114	.0496	.0225
#3	.0044	.0119	.0485	.0521	.0099	.0105	.0107	.0493	.0221

Check ? Chk Fail Chk Fail None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 3/11/2016 5:18:46 Type: QC
 Method: 60102007_042011(v917) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2757.6	5416.8	41670.	3816.6
Stddev	8.2	9.8	221.	25.6
%RSD	.29647	.18000	.53118	.67049
#1	2758.5	5423.6	41810.	3793.5
#2	2765.3	5421.3	41415.	3844.1
#3	2749.0	5405.7	41786.	3812.1

Sample Name: ICSEA Acquired: 3/11/2016 5:27:50 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	475.3	.0011	.0008	.0002	468.4	.0000	.0004	.0008
Stddev	.0003	6.8	.0005	.0005	.0000	3.1	.0001	.0001	.0003
%RSD	125.6	1.437	44.54	61.13	16.96	.6667	717.8	33.76	39.57
#1	.0005	468.6	.0013	.0013	.0002	464.9	-.0001	.0003	.0012
#2	.0004	482.3	.0013	.0004	.0002	471.0	.0000	.0004	.0005
#3	-.0001	475.1	.0005	.0007	.0002	469.3	.0001	.0005	.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	178.5	.5509	505.3	.0005	.0002	.7561	.0001	.0003
Stddev	.0001	.3	.0253	1.4	.0000	.0002	.0058	.0002	.0022
%RSD	64.07	.1876	4.600	.2784	7.227	93.20	.7632	170.4	679.1
#1	.0003	178.6	.5796	504.5	.0005	.0001	.7504	.0001	.0027
#2	.0001	178.8	.5319	506.9	.0005	.0001	.7620	-.0001	-.0017
#3	.0002	178.1	.5410	504.5	.0006	.0004	.7560	.0003	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0012	.0000	.0217	F .0031	.0006	.0002	-.0011	.0000	.0001
Stddev	.0001	.004	.0005	.0007	.0001	.0001	.0008	.0001	.0002
%RSD	7.225	9355.0	2.209	21.66	23.11	42.71	76.12	187.4	282.0
#1	-.0012	-.0040	.0223	.0038	.0007	.0003	-.0008	.0000	.0001
#2	-.0012	.0005	.0213	.0028	.0008	.0002	-.0020	.0001	-.0002
#3	-.0013	.0035	.0216	.0026	.0005	.0001	-.0004	.0000	.0003

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSEA Acquired: 3/11/2016 5:27:50 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2209.4	4876.3	36095.	3481.4
Stddev	6.9	13.8	220.	16.9
%RSD	.31136	.28393	.60981	.48600
#1	2211.0	4884.8	36323.	3493.0
#2	2201.9	4883.9	35884.	3462.0
#3	2215.4	4860.4	36078.	3489.1

Sample Name: ICSAB Acquired: 3/11/2016 5:32:49 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.073	511.2	1.120	.5127	.5261	490.3	1.006	.4904	.5306
Stddev	.004	1.8	.003	.0023	.0017	4.0	.001	.0004	.0019
%RSD	.3583	.3611	.2242	.4452	.3253	.8124	.0845	.0730	.3657
#1	1.075	509.6	1.120	.5153	.5276	492.0	1.005	.4901	.5327
#2	1.068	513.2	1.123	.5116	.5242	493.2	1.007	.4904	.5289
#3	1.075	510.8	1.118	.5112	.5265	485.8	1.006	.4908	.5302

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5422	192.2	.0163	535.2	.5307	.9571	.2264	.9981	.9949
Stddev	.0001	.2	.0546	1.0	.0028	.0011	.0007	.0003	.0015
%RSD	.0258	.1202	335.5	.1845	.5262	.1195	.3039	.0312	.1487
#1	.5422	192.5	-.0248	535.6	.5336	.9582	.2257	.9983	.9957
#2	.5421	192.1	-.0046	535.9	.5281	.9573	.2271	.9983	.9958
#3	.5424	192.0	.0783	534.0	.5305	.9559	.2263	.9978	.9932

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.039	1.057	.2979	.9544	1.029	1.035	.9788	.4880	1.006
Stddev	.002	.003	.0006	.0015	.002	.001	.0010	.0008	.001
%RSD	.2257	.3026	.1988	.1528	.2001	.1392	.1048	.1585	.1001
#1	1.037	1.054	.2982	.9556	1.032	1.037	.9796	.4889	1.005
#2	1.041	1.060	.2972	.9549	1.028	1.034	.9776	.4875	1.007
#3	1.041	1.058	.2983	.9528	1.028	1.035	.9790	.4877	1.006

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 3/11/2016 5:32:49 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2153.6	4815.7	35780.	3428.9
Stddev	2.3	3.9	45.	10.2
%RSD	.10672	.08101	.12676	.29715
#1	2151.7	4814.2	35735.	3421.1
#2	2156.2	4820.2	35825.	3425.1
#3	2152.9	4812.8	35779.	3440.4

Sample Name: CCV Acquired: 3/11/2016 5:38:03 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2521	39.92	2.065	2.000	2.031	40.03	2.091	2.069	2.077
Stddev	.0006	.06	.009	.003	.008	.10	.004	.002	.003
%RSD	.2358	.1382	.4602	.1501	.4084	.2488	.1843	.1051	.1417

#1	.2523	39.94	2.056	2.003	2.021	40.07	2.087	2.068	2.074
#2	.2514	39.96	2.064	1.998	2.037	39.92	2.091	2.068	2.080
#3	.2526	39.85	2.075	1.998	2.034	40.11	2.095	2.072	2.077

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.015	39.75	39.66	39.96	2.112	2.082	40.32	2.101	2.051
Stddev	.008	.08	.02	.04	.007	.003	.15	.004	.005
%RSD	.3888	.2004	.0531	.0952	.3119	.1401	.3692	.2065	.2548

#1	2.024	39.68	39.68	39.99	2.106	2.079	40.20	2.096	2.045
#2	2.011	39.83	39.66	39.91	2.119	2.083	40.48	2.102	2.055
#3	2.010	39.73	39.63	39.96	2.112	2.085	40.26	2.105	2.053

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.063	2.055	2.005	2.099	2.054	2.104	2.068	2.096	2.065
Stddev	.001	.000	.002	.003	.008	.003	.003	.006	.003
%RSD	.0504	.0036	.0897	.1377	.3953	.1509	.1561	.2846	.1612

#1	2.062	2.055	2.005	2.097	2.056	2.101	2.065	2.090	2.061
#2	2.064	2.055	2.004	2.098	2.061	2.107	2.067	2.101	2.066
#3	2.064	2.055	2.007	2.102	2.045	2.103	2.071	2.098	2.068

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/11/2016 5:38:03 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2452.5	5202.2	39996.	3718.9
Stddev	2.1	7.7	82.	8.5
%RSD	.08709	.14885	.20454	.22987

#1	2455.0	5208.9	40077.	3714.5
#2	2451.4	5203.8	39914.	3713.4
#3	2451.1	5193.7	39997.	3728.7

Sample Name: CCB Acquired: 3/11/2016 5:43:09 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0107	.0006	.0001	.0000	.0084	.0000	.0000	.0001
Stddev	.0003	.0056	.0012	.0002	.000	.0027	.0000	.0000	.0001
%RSD	52.78	52.09	184.6	367.2	456.7	32.48	423.5	73.67	44.11

#1	.0006	.0130	-.0007	.0002	.0000	.0114	.0000	.0001	.0002
#2	.0007	.0147	.0011	-.0002	.0000	.0062	.0000	.0000	.0002
#3	.0002	.0043	.0015	.0002	.0000	.0075	.0000	.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0099	-.0418	.0114	.0000	.0005	.0183	.0000	.0005
Stddev	.0001	.0019	.0490	.0164	.0000	.0001	.0017	.000	.0001
%RSD	61.16	19.61	117.1	143.8	61.43	24.76	9.380	25430.	19.10

#1	.0004	.0119	-.0021	.0163	.0000	.0005	.0164	.0001	.0006
#2	.0002	.0098	-.0268	-.0069	.0000	.0006	.0197	-.0002	.0004
#3	.0001	.0080	-.0966	.0249	.0000	.0003	.0187	.0001	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0015	.0000	.0010	-.0002	.0000	.0003	.0002	.0001	-.0003
Stddev	.0011	.001	.0002	.0003	.0001	.0001	.0009	.0001	.0000
%RSD	73.44	1810.	25.43	158.3	140.6	57.56	391.2	163.4	18.41

#1	-.0005	.0008	.0010	-.0003	.0000	.0004	.0011	.0000	-.0003
#2	-.0014	-.0004	.0012	.0002	.0000	.0003	.0003	.0000	-.0002
#3	-.0027	-.0005	.0007	-.0005	.0001	.0001	-.0007	.0002	-.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/11/2016 5:43:09 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2956.4	5601.5	43300.	3891.2
Stddev	8.6	2.6	98.	26.4
%RSD	.29147	.04572	.22743	.67753

#1	2947.4	5602.5	43412.	3918.9
#2	2957.1	5598.6	43262.	3866.4
#3	2964.6	5603.5	43227.	3888.3

Sample Name: MP30093-MB1 Acquired: 3/11/2016 5:47:07 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0167	.0000	.0001	-0.0011	.0259	.0000	-0.0011	.0004
Stddev	.0001	.0042	.001	.0002	.0000	.0016	.000	.0001	.0001
%RSD	35.09	25.32	1229.	156.1	17.76	6.358	69.27	107.7	28.12
#1	.0002	.0208	-.0007	.0000	-.0001	.0269	.0000	-.0002	.0003
#2	.0002	.0123	.0004	.0004	-.0001	.0268	.0000	.0000	.0005
#3	.0003	.0170	.0002	.0000	-.0001	.0240	.0000	-.0001	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0087	-.0044	-.0122	.0026	-.0002	.0513	.0004	.0000
Stddev	.0002	.0013	.0357	.0145	.0000	.0001	.0063	.0002	.001
%RSD	45.43	14.45	811.8	119.1	1.488	52.00	12.24	55.64	10080.
#1	.0004	.0074	-.0264	-.0126	.0026	-.0001	.0585	.0001	.0007
#2	.0008	.0099	-.0236	-.0265	.0026	-.0002	.0476	.0005	-.0006
#3	.0003	.0089	.0368	.0025	.0026	-.0003	.0476	.0005	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0014	.0012	.0082	.0218	.0000	.0001	-.0004	.0001	.0014
Stddev	.0001	.0005	.0000	.0002	.0001	.0000	.0005	.0001	.0001
%RSD	7.802	43.66	.1699	.7454	1322.	20.31	117.5	69.93	3.620
#1	-.0013	.0013	.0082	.0219	-.0001	.0001	-.0003	.0001	.0014
#2	-.0015	.0016	.0081	.0218	.0000	.0001	.0000	.0001	.0014
#3	-.0015	.0006	.0082	.0216	.0001	.0001	-.0009	.0003	.0015

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30093-MB1 Acquired: 3/11/2016 5:47:07 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2917.5	5512.5	43426.	3873.5
Stddev	8.4	9.0	155.	27.3
%RSD	.28948	.16367	.35738	.70571
#1	2925.5	5514.6	43574.	3869.2
#2	2918.3	5520.3	43265.	3848.5
#3	2908.7	5502.6	43440.	3902.7

7.1
7

Sample Name: MP30093-B1 Acquired: 3/11/2016 5:51:35 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0492	29.04	2.115	2.115	.0546	26.96	.0549	.5373	2182
Stddev	.0010	.13	.002	.009	.0005	.09	.0002	.0010	.0003
%RSD	2.036	4554	.1095	.4025	.8834	.3384	.3415	.1901	.1382
#1	.0498	28.95	2.117	2.107	.0541	26.87	.0549	.5378	2185
#2	.0497	29.19	2.113	2.124	.0547	27.05	.0548	.5361	2183
#3	.0480	28.98	2.114	2.114	.0550	26.96	.0551	.5380	2179

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2702	27.99	26.46	26.99	.5638	.5435	27.28	.5538	.5221
Stddev	.0006	.13	.05	.11	.0007	.0017	.10	.0012	.0017
%RSD	.2188	.4534	.1872	.3948	.1222	.3146	.3771	.2142	.3305
#1	.2709	27.88	26.41	26.90	.5630	.5445	27.17	.5537	.5234
#2	.2702	28.13	26.49	27.11	.5641	.5415	27.37	.5527	.5201
#3	.2697	27.97	26.49	26.96	.5642	.5444	27.29	.5551	.5227

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5308	2.118	.0251	.5793	.5430	.5634	2.114	.5124	.5444
Stddev	.0005	.005	.0001	.0004	.0022	.0005	.004	.0010	.0014
%RSD	.0860	.2282	.3960	.0692	.4112	.0881	.2132	.1984	.2580
#1	.5308	2.122	.0252	.5797	.5408	.5636	2.114	.5116	.5451
#2	.5303	2.113	.0251	.5791	.5453	.5638	2.109	.5120	.5427
#3	.5312	2.120	.0250	.5790	.5428	.5629	2.118	.5136	.5452

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30093-B1 Acquired: 3/11/2016 5:51:35 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2585.5	5337.6	41061.	3764.8
Stddev	4.2	9.3	64.	23.6
%RSD	.16298	.17350	.15581	.62721
#1	2580.8	5332.1	40988.	3775.5
#2	2586.7	5332.4	41110.	3737.8
#3	2589.0	5348.2	41084.	3781.3

Sample Name: FA32070-3 Acquired: 3/11/2016 5:55:48 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.036	330.2	1.270	4.667	0.122	165.9	0.332	1.928	7.577
Stddev	.0001	.7	.0040	.014	.0001	.8	.0003	.0004	.0002
%RSD	3.927	.2238	3.160	.2936	1.120	.4984	.9133	.1914	.0314
#1	.0035	330.1	.1289	4.655	.0121	166.4	.0335	.1929	.7579
#2	.0037	329.5	.1224	4.666	.0121	165.0	.0331	.1932	.7577
#3	.0035	330.9	.1297	4.682	.0123	166.5	.0329	.1924	.7574
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.078	486.9	103.6	129.0	10.26	0.339	8.531	5.550	5.891
Stddev	.002	2.0	.4	.9	.02	.0002	.020	.0006	.008
%RSD	.1799	.4099	.3491	.6892	.1663	.6271	.2292	.1155	.1409
#1	1.079	487.0	103.9	129.5	10.28	.0341	8.510	5.557	5.883
#2	1.075	484.8	103.2	128.0	10.24	.0340	8.535	5.549	5.893
#3	1.079	488.8	103.8	129.6	10.26	.0337	8.549	5.545	5.899
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.181	-0.036	3.855	2.471	1.663	15.30	-0.007	9.178	6.482
Stddev	.0004	.0011	.006	.0010	.004	.03	.0003	.0006	.012
%RSD	2.210	29.78	.1511	.3946	.2674	.2177	.4725	.0669	.1897
#1	.186	-.0038	3.860	2.464	1.659	15.34	-.0003	9.178	6.469
#2	.178	-.0024	3.855	2.468	1.662	15.28	-.0008	9.172	6.484
#3	.180	-.0044	3.849	2.482	1.668	15.29	-.0008	9.184	6.493
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2464.6	6600.6	5032.1	4715.7					
Stddev	.8	5.1	140.	40.1					
%RSD	.03071	.07786	.27821	.84967					
#1	2464.8	6597.0	50172.	4687.4					
#2	2465.3	6598.3	50450.	4761.6					
#3	2463.8	6606.5	50341.	4698.3					

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Sample Name: MP30093-D1 Acquired: 3/11/2016 6:00:19 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.036	332.9	1.288	4.620	0.123	164.0	0.341	1.985	8.670
Stddev	.0004	.4	.0027	.008	.0001	.4	.0004	.0006	.0067
%RSD	12.30	.1329	2.097	.1655	1.028	.2592	1.173	.3210	.7682
#1	.0041	332.9	.1259	4.629	.0123	164.3	.0341	1.980	8.746
#2	.0033	332.4	.1290	4.618	.0121	163.6	.0346	1.992	8.642
#3	.0033	333.2	.1313	4.615	.0124	164.3	.0338	1.984	8.622
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.077	480.8	105.7	131.3	10.26	0.315	8.570	5.634	5.946
Stddev	.003	1.6	.3	.4	.02	.0002	.008	.0013	.003
%RSD	.2877	.3251	.2387	.3210	1.051	.7407	.4439	.2281	.0571
#1	1.074	480.6	105.9	131.0	9.604	.0316	8.586	5.623	5.950
#2	1.080	479.3	105.4	131.1	9.404	.0317	8.526	5.648	5.945
#3	1.077	482.4	105.6	131.8	9.496	.0313	8.597	5.631	5.943
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.176	-0.019	3.888	2.300	1.642	15.10	-0.012	9.221	6.644
Stddev	.0010	.0013	.013	.0010	.006	.14	.0043	.0057	.009
%RSD	5.772	68.55	.3241	.4355	.3601	.9089	366.1	6235	.1324
#1	.188	-.0013	3.878	2.290	1.640	15.26	.0038	9.287	6.649
#2	.170	-.0011	3.902	2.310	1.637	15.06	-.0038	9.192	6.634
#3	.171	-.0035	3.884	2.300	1.648	14.99	-.0035	9.184	6.650
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2426.2	6514.0	4949.1	4624.5					
Stddev	2.6	8.8	197.	22.5					
%RSD	.10718	.13476	.39838	.48725					
#1	2426.3	6513.6	49264.	4636.2					
#2	2428.8	6505.4	49611.	4638.7					
#3	2423.6	6523.0	49598.	4598.5					

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Sample Name: MP30093-SD1 Acquired: 3/11/2016 6:04:51 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.101	407.3	1.654	5.682	0.140	209.3	0.417	2.565	9.725
Stddev	.0013	3.1	.0023	.067	.0008	1.8	.0006	.0008	.0169
%RSD	12.53	.7657	1.367	1.172	5.916	.8510	1.427	.2992	1.742
#1	.108	403.7	1.643	5.608	.0131	207.4	.0423	2.559	9.904
#2	.0087	408.8	1.680	5.737	.0143	210.9	.0418	2.562	9.705
#3	.109	409.4	1.640	5.702	.0146	209.6	.0411	2.573	9.567
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.336	634.1	125.9	160.7	13.78	0.371	10.46	7.298	6.328
Stddev	.017	5.2	1.4	1.3	.15	.0007	.10	.0026	.028
%RSD	1.233	.8215	1.142	.8307	1.055	2.016	.9161	.3498	.4464
#1	1.340	628.1	124.2	159.1	13.89	.0379	10.37	7.324	6.358
#2	1.350	637.3	126.9	161.3	13.84	.0370	10.56	7.298	6.321
#3	1.318	636.9	126.6	161.6	13.62	.0364	10.44	7.273	6.303
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.130	-0.152	6.483	3.278	2.077	20.22	-0.001	1.178	8.622
Stddev	.0078	.0108	.015	.0024	.022	.19	.0147	.013	.033
%RSD	60.23	71.31	.2253	.7365	1.046	.9523	12060.	1.075	.3831
#1	.0152	-.0027	6.495	3.303	2.052	20.34	-.0122	1.189	8.651
#2	.0195	-.0210	6.467	3.255	2.090	20.33	.0162	1.181	8.586
#3	.0043	-.0219	6.487	3.275	2.090	20.00	-.0043	1.164	8.628
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2683.2	5727.5	43733.	4001.3					
Stddev	4.3	7.3	309.	17.7					
%RSD	.15961	.12785	.70692	.44276					
#1	2681.2	5719.1	43514.	4021.6					
#2	2680.3	5730.6	43599.	3993.2					
#3	2688.1	5732.7	44087.	3989.0					

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Sample Name: MP30093-PS1 Acquired: 3/11/2016 6:09:08 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.049	313.2	2.065	4.623	0.0545	161.0	0.728	2.225	7.560
Stddev	.0011	2.1	.0022	.032	.0005	1.3	.0002	.0003	.0026
%RSD	2.475	.6557	1.085	.6923	.8871	8.287	.2241	1.280	.3459
#1	.0458	315.5	2.071	4.660	.0551	162.4	.0727	2.222	7.580
#2	.0453	312.0	2.084	4.607	.0542	160.9	.0729	2.228	7.530
#3	.0437	312.0	2.040	4.603	.0543	159.7	.0730	2.224	7.569
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn				

Sample Name: MP30093-S1 Acquired: 3/11/2016 6:13:38 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0432	333.9	1.686	5.816	.0533	164.8	.0696	5.639	.8406
Stddev	.0006	1.4	.004	.036	.0003	.7	.0002	.0013	.0033
%RSD	1.440	.4256	.2495	.6131	.5576	.4025	.2171	.2386	.3896
#1	.0426	332.3	1.685	5.775	.0535	164.0	.0695	5.624	.8400
#2	.0434	335.0	1.691	5.835	.0534	165.2	.0697	5.648	.8403
#3	.0438	334.5	1.682	5.839	.0529	165.1	.0697	5.646	.8375
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.186	451.7	114.8	137.3	F 8.818	3.807	29.40	8.948	5.628
Stddev	.001	1.4	.5	.4	.052	.0002	.11	.0030	.007
%RSD	.1053	.3162	.4169	.2688	.5958	.0582	.3640	.3341	.1302
#1	1.185	450.1	114.3	137.1	8.825	.3804	29.28	8.915	5.620
#2	1.186	452.9	114.9	137.7	8.763	.3809	29.47	8.971	5.628
#3	1.187	452.2	115.2	137.0	8.867	.3807	29.46	8.960	5.635
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1163	1.581	3.919	6.362	1.873	F 14.86	1.887	1.218	6.243
Stddev	.0014	.005	.002	.0015	.009	.07	.010	.003	.004
%RSD	1.242	.3041	.0450	.2371	.5038	4.671	.5396	.2142	.0733
#1	.1155	1.586	3.917	6.347	1.862	14.94	1.876	1.221	6.119
#2	.1155	1.582	3.921	6.377	1.877	14.83	1.895	1.218	6.123
#3	.1180	1.576	3.919	6.363	1.880	14.80	1.891	1.216	6.128
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2449.0	6415.2	48755.	45224.					
Stddev	2.6	6.7	337.	6.1					
%RSD	.10475	.10407	.69072	.13482					
#1	2451.3	6421.8	48419.	4525.5					
#2	2446.2	6408.5	49093.	4515.4					
#3	2449.5	6415.2	48753.	4526.4					

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Sample Name: MP30093-S2 Acquired: 3/11/2016 6:18:06 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0431	363.8	1.731	6.459	.0547	186.4	.0757	5.924	.8875
Stddev	.0004	1.8	.003	.034	.0004	.2	.0002	.0002	.0041
%RSD	1.042	.5028	.1425	.5315	.8052	.1326	.2087	.0339	.4615
#1	.0428	365.5	1.733	6.488	.0551	186.4	.0758	5.922	.8885
#2	.0429	361.9	1.728	6.421	.0542	186.1	.0758	5.925	.8910
#3	.0436	364.2	1.730	6.467	.0547	186.6	.0755	5.924	.8830
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.299	501.6	127.9	151.7	F 9.887	3.830	30.68	9.955	6.541
Stddev	.006	1.5	.4	.4	.038	.0005	.22	.0010	.015
%RSD	.4999	.3032	.3082	.2660	.3883	.1235	.7272	.1066	.2330
#1	1.298	502.6	128.1	151.6	9.904	.3825	30.88	9.937	6.548
#2	1.294	499.9	127.4	151.4	9.914	.3835	30.44	9.920	6.552
#3	1.306	502.4	128.1	152.2	9.843	.3831	30.73	9.919	6.524
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1206	1.611	3.818	7.208	2.059	F 15.47	1.965	1.308	6.937
Stddev	.0027	.003	.001	.0007	.016	.10	.008	.003	.005
%RSD	2.236	.1696	.0144	.0978	.7665	.6747	.4202	.2483	.0699
#1	.1211	1.614	3.817	7.200	2.076	15.58	1.972	1.308	6.940
#2	.1176	1.608	3.818	7.213	2.044	15.44	1.968	1.311	6.940
#3	.1229	1.610	3.817	7.210	2.056	15.38	1.956	1.304	6.932
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2399.3	6498.3	49650.	4651.6					
Stddev	4.3	2.4	118.	9.1					
%RSD	.17724	.03725	.23839	.19487					
#1	2398.0	6498.9	49534.	4659.6					
#2	2395.8	6500.4	49645.	4641.8					
#3	2404.0	6495.7	49771.	4653.3					

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7.1
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Sample Name: FA32070-4 Acquired: 3/11/2016 6:22:35 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0015	300.4	2.239	3.992	.0114	112.8	.0321	1.820	5.848
Stddev	.0002	.7	.0017	.016	.0001	.1	.0002	.0001	.0028
%RSD	13.64	.2438	.7491	4.107	.8168	.0508	.4727	.0750	.4773
#1	.0017	300.1	2.243	3.980	.0115	112.8	.0323	1.822	5.816
#2	.0016	299.9	2.221	3.984	.0113	112.7	.0321	1.820	5.870
#3	.0013	301.2	2.254	4.010	.0115	112.7	.0320	1.819	5.857
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.228	461.1	99.00	119.5	F 8.070	0.269	6.795	4.942	4.868
Stddev	.007	.7	.21	.1	.033	.0006	.037	.0010	.013
%RSD	.5397	.1515	.2145	.0799	.4110	2.286	.5456	.2111	.2747
#1	1.236	461.2	98.83	119.4	8.034	.0265	6.783	4.934	4.866
#2	1.223	460.4	98.93	119.6	8.099	.0267	6.766	4.954	4.855
#3	1.226	461.7	99.24	119.6	8.078	.0276	6.837	4.938	4.882
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0135	-.0081	3.598	1.406	1.077	F 14.56	.0003	8.572	5.156
Stddev	.0039	.0066	.004	.0005	.005	.10	.0019	.0026	.010
%RSD	29.28	81.72	.1014	.3211	.4294	.7073	663.2	2.997	.1917
#1	.0162	-.0103	3.601	1.401	1.074	14.44	-.0019	8.543	5.155
#2	.0089	-.0007	3.598	1.407	1.074	14.62	.0016	8.592	5.147
#3	.0152	-.0134	3.594	1.410	1.082	14.61	.0011	8.580	5.167
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2466.7	6509.0	49511.	4563.3					
Stddev	7.9	2.6	232.	9.9					
%RSD	.31903	.04031	.46940	.21775					
#1	2461.2	6506.0	49768.	4555.0					
#2	2475.7	6510.1	49316.	4574.3					
#3	2463.1	6510.8	49447.	4560.6					

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Sample Name: FA32070-5 Acquired: 3/11/2016 6:27:06 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0029	271.5	.0950	2.969	.0101	112.6	.0205	1.610	5.509
Stddev	.0004	1.3	.0013	.016	.0002	.5	.0000	.0007	.0008
%RSD	11.90	.4913	1.387	.5497	1.567	.4692	.1701	.4119	1.500
#1	.0033	270.0	.0939	2.950	.0100	112.2	.0205	1.611	5.518
#2	.0026	272.7	.0964	2.976	.0100	113.2	.0204	1.603	5.508
#3	.0030	271.7	.0946	2.980	.0103	112.3	.0205	1.617	5.502
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6285	398.1	88.16	107.7	7.748	0.239	5.464	4.243	2.694
Stddev	.0026	1.0	.35	.6	.026	.0003	.019	.0009	.004
%RSD	.4132	.2438	.3945	.5286	.3381	1.283	.3450	.2227	.1378
#1	.6281	397.2	87.82	107.5	7.773	.0240	5.443	4.239	2.698
#2	.6313	399.1	88.52	108.3	7.721	.0236	5.478	4.237	2.692
#3	.6262	397.9	88.15	107.2					

Sample Name: CCV Acquired: 3/11/2016 6:31:39 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2554	40.54	2.102	2.027	2.053	40.43	2.130	2.101	2.099
Stddev	.0017	.08	.005	.008	.007	.26	.006	.005	.003
%RSD	.6621	.1963	.2269	.3842	.3408	.6387	.2952	.2202	.1597
#1	.2565	40.45	2.101	2.021	2.051	40.13	2.124	2.098	2.097
#2	.2561	40.61	2.098	2.036	2.060	40.54	2.130	2.100	2.103
#3	.2534	40.55	2.107	2.024	2.047	40.61	2.137	2.107	2.097

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.049	40.15	40.49	40.43	2.142	2.114	41.29	2.138	2.088
Stddev	.006	.07	.18	.18	.003	.004	.14	.008	.006
%RSD	.2800	.1811	.4394	.4335	.1457	.2038	.3390	.3766	.3135
#1	2.047	40.10	40.30	40.28	2.138	2.111	41.33	2.132	2.083
#2	2.056	40.23	40.65	40.39	2.142	2.112	41.40	2.134	2.085
#3	2.045	40.11	40.54	40.62	2.144	2.119	41.13	2.147	2.095

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.095	2.088	2.036	2.126	2.098	2.140	2.108	2.130	2.094
Stddev	.006	.003	.006	.005	.010	.002	.006	.002	.006
%RSD	.2917	.1224	.2794	.2261	.4910	.1002	.3104	.0896	.2864
#1	2.096	2.085	2.037	2.121	2.098	2.138	2.114	2.128	2.087
#2	2.089	2.089	2.029	2.127	2.109	2.141	2.101	2.129	2.099
#3	2.101	2.090	2.041	2.131	2.088	2.142	2.110	2.132	2.095

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/11/2016 6:31:39 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2427.1	5148.8	39792.	3607.0
Stddev	2.9	5.0	151.	19.8
%RSD	.11858	.09632	.38036	.54881
#1	2425.4	5149.3	39957.	3619.1
#2	2430.4	5153.5	39761.	3617.7
#3	2425.4	5143.6	39659.	3584.1

7.1
7

Sample Name: CCB Acquired: 3/11/2016 6:35:51 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.0107	-0.0003	.0000	.0001	.0035	.0000	.0000	-0.0001
Stddev	.0004	.0054	.0003	.0000	.0001	.0027	.0000	.0002	.0001
%RSD	64.21	50.67	112.1	126.6	87.10	75.86	49.72	869.1	49.30
#1	.0003	.0109	-0.0006	.0001	.0002	.0058	.0000	.0001	-0.0001
#2	.0005	.0160	.0000	.0000	.0001	.0006	.0001	-.0002	-0.0001
#3	.0011	.0052	-0.0003	.0000	.0000	.0043	.0000	.0001	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0192	.0536	-0.0113	.0002	.0005	.0219	.0003	.0002
Stddev	.0002	.0022	.0104	.0162	.0000	.0002	.0091	.0002	.0001
%RSD	74.58	11.64	19.47	1281.	22.14	35.05	41.72	62.73	65.54
#1	.0001	.0213	.0620	.0171	.0002	.0006	.0213	.0004	.0004
#2	.0003	.0194	.0568	-.0075	.0001	.0006	.0131	.0001	.0002
#3	.0005	.0169	.0419	-.0134	.0002	.0003	.0313	.0003	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0013	.0010	.0028	-0.0002	.0002	.0013	.0000	.0001	-0.0003
Stddev	.0004	.0016	.0003	.0004	.0001	.0001	.0012	.0001	.0000
%RSD	30.55	158.1	12.32	192.1	49.39	6.805	2326.	60.63	17.23
#1	-.0008	.0019	.0030	-.0001	.0003	.0014	.0013	.0002	-.0003
#2	-.0014	.0020	.0029	-.0007	.0003	.0013	-.0002	.0000	-.0002
#3	-.0016	-.0008	.0024	.0002	.0001	.0012	-.0009	.0002	-.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/11/2016 6:35:51 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2852.3	5395.1	41826.	3725.4
Stddev	8.2	10.5	142.	22.0
%RSD	.28846	.19442	.33967	.58933
#1	2855.5	5389.8	41673.	3708.2
#2	2858.4	5407.2	41852.	3717.9
#3	2842.9	5388.4	41954.	3750.2

Sample Name: FA32070-6 Acquired: 3/11/2016 6:40:22 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA32070-8 Acquired: 3/11/2016 6:49:27 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA32070-7 Acquired: 3/11/2016 6:44:56 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA32070-9 Acquired: 3/11/2016 6:53:58 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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7.1

Sample Name: FA32070-10 Acquired: 3/11/2016 6:58:31 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0028	266.8	.1130	3.417	.0098	110.4	.0346	.1657	.7176
Stddev	.0001	1.1	.0009	.008	.0002	.7	.0002	.0002	.0018
%RSD	5.162	.4202	.7932	.2423	2.340	.5890	.5932	.1095	.2481
#1	.0029	265.7	.1140	3.408	.0095	109.9	.0346	.1655	.7178
#2	.0028	266.7	.1127	3.420	.0098	110.2	.0349	.1658	.7157
#3	.0026	268.0	.1122	3.423	.0100	111.2	.0345	.1658	.7192
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.9303	396.5	81.04	95.15	7.502	.0371	2.273	.5221	5.748
Stddev	.0016	1.2	.39	1.11	.005	.0005	.008	.0006	.013
%RSD	.1704	.2902	.4837	1.163	.0698	1.319	.3490	.1104	.2317
#1	.9315	396.1	80.65	94.72	7.505	.0369	2.279	.5226	5.763
#2	.9285	395.6	81.04	94.32	7.496	.0377	2.264	.5215	5.742
#3	.9310	397.8	81.43	96.41	7.504	.0368	2.275	.5221	5.738
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0151	-.0069	3.447	.1827	.9137	13.89	-.0032	.7551	6.513
Stddev	.0010	.0032	.002	.0016	.0017	.11	.0014	.0039	.011
%RSD	6.668	45.73	.0666	.8973	.1897	.7566	44.26	.5202	.1617
#1	.0162	-.0090	3.444	.1833	.9154	13.99	-.0030	.7596	6.524
#2	.0151	-.0033	3.449	.1839	.9138	13.78	-.0019	.7533	6.503
#3	.0141	-.0085	3.447	.1808	.9120	13.91	-.0047	.7524	6.512
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2503.5	6333.9	4813.2	4434.4					
Stddev	4.2	5.1	159.	43.7					
%RSD	.16960	.08010	.33070	.98580					
#1	2498.6	6332.0	4802.7	4464.5					
#2	2506.0	6339.6	48315.	4454.4					
#3	2505.9	6330.0	48053.	4384.2					

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Sample Name: FA32070-11 Acquired: 3/11/2016 7:03:04 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0026	305.4	.1018	3.874	.0111	130.3	.0225	.1628	.6089
Stddev	.0006	1.2	.0015	.019	.0001	.3	.0002	.0004	.0015
%RSD	24.04	.3813	1.427	.4862	1.284	.2674	.6687	.2672	.2454
#1	.0023	304.3	.1001	3.853	.0112	130.4	.0226	.1623	.6104
#2	.0022	305.4	.1025	3.884	.0109	130.0	.0225	.1628	.6088
#3	.0033	306.6	.1028	3.886	.0111	130.7	.0223	.1632	.6074
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.7036	415.1	100.3	109.6	7.524	.0266	7.328	.4520	3.367
Stddev	.0019	1.3	.1	.3	.074	.0004	.035	.0009	.006
%RSD	.2715	.3251	.0511	.3097	.9868	1.562	.4739	.2034	.1668
#1	.7024	414.1	100.2	109.8	7.600	.0268	7.306	.4513	3.368
#2	.7058	414.5	100.3	109.2	7.520	.0262	7.309	.4518	3.361
#3	.7025	416.6	100.3	109.8	7.452	.0269	7.368	.4531	3.372
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0055	-.0045	3.807	.0934	1.342	13.27	-.0020	.7741	4.257
Stddev	.0008	.0018	.010	.0003	.007	.15	.0035	.0016	.001
%RSD	14.03	40.35	.2510	.3510	.5062	1.161	171.9	.2070	.0169
#1	.0057	-.0051	3.797	.0932	1.335	13.40	.0018	.7759	4.258
#2	.0046	-.0025	3.808	.0938	1.345	13.30	-.0029	.7731	4.256
#3	.0061	-.0059	3.816	.0933	1.347	13.10	-.0050	.7732	4.257
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2479.9	6457.4	4904.0	4475.4					
Stddev	6.1	4.2	317.	11.1					
%RSD	.24600	.06564	.64571	.24743					
#1	2475.0	6454.3	48803.	4465.7					
#2	2486.7	6462.2	48919.	4487.5					
#3	2478.0	6455.7	49400.	4473.0					

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Sample Name: FA32070-12 Acquired: 3/11/2016 7:07:38 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0031	268.8	.1201	3.640	.0094	481.7	.0264	.1524	.5900
Stddev	.0006	1.0	.0003	.007	.0002	3.6	.0003	.0002	.0011
%RSD	19.60	.3656	.2576	.1936	1.958	.7535	1.173	.1007	.1809
#1	.0024	268.7	.1203	3.637	.0095	479.5	.0267	.1522	.5908
#2	.0034	269.9	.1197	3.648	.0095	479.7	.0261	.1525	.5905
#3	.0034	268.0	.1203	3.634	.0092	485.9	.0263	.1523	.5888
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.8514	400.8	99.38	112.2	7.269	.0289	10.56	4.346	3.736
Stddev	.0041	2.2	.25	.7	.045	.0004	.04	.0011	.004
%RSD	.4816	.5608	.2543	.6516	.6154	1.281	.4205	.2631	.1043
#1	.8467	400.0	99.54	111.8	7.303	.0291	10.55	4.339	3.740
#2	.8534	403.4	99.51	113.0	7.218	.0284	10.61	4.339	3.734
#3	.8542	399.1	99.09	111.7	7.287	.0290	10.52	4.359	3.733
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0093	-.0032	3.733	.1076	2.070	12.80	-.0020	.7442	4.875
Stddev	.0038	.0010	.002	.0014	.007	.06	.0063	.0009	.013
%RSD	40.56	30.58	.0574	1.287	.3339	4.990	320.3	.1146	.2555
#1	.0131	-.0043	3.735	.1066	2.068	12.87	.0053	.7452	4.862
#2	.0093	-.0025	3.730	.1070	2.078	12.75	-.0052	.7437	4.878
#3	.0056	-.0028	3.733	.1092	2.065	12.78	-.0060	.7438	4.886
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2385.0	6152.7	4707.6	4340.3					
Stddev	2.3	8.6	53.	3.1					
%RSD	.09635	.13900	.11270	.07041					
#1	2383.4	6143.4	47058.	4337.0					
#2	2383.9	6154.4	47135.	4343.1					
#3	2387.6	6160.3	47034.	4340.7					

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Sample Name: FA32070-13 Acquired: 3/11/2016 7:12:20 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0043	304.0	.1368	6.163	.0112	171.2	.0382	.1763	.6944
Stddev	.0010	.3	.0009	.010	.0002	.4	.0003	.0002	.0003
%RSD	23.13	.0881	.6630	.1645	1.426	.2421	.8278	.1034	.0374
#1	.0053	304.3	.1378	6.157	.0114	171.6	.0379	.1764	.6947
#2	.0042	303.7	.1361	6.157	.0111	170.7	.0385	.1761	.6942
#3	.0033	303.9	.1364	6.174	.0111	171.1	.0382	.1765	.6945
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	1.009	438.5	110.3	117.4	8.421	.0311	7.036	4.982	5.964
Stddev	.002	1.3	.4	.4	.036	.0003	.030	.0013	.003
%RSD	.1717	.3045	.3341	.3346	.4229	1.115	.4302	.2701	.0553
#1	1.011	440.0	110.2	117.8	8.396	.0313	7.029	4.967	5.968
#2	1.007	437.8	109.9	117.0	8.404	.0307	7.069	4.991	5.962
#3	1.010	437.6	110.7	117.4	8.461	.0312	7.009	4.988	5.962
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2		

Sample Name: FA32070-14 Acquired: 3/11/2016 7:16:52 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0032	296.2	1.139	4.603	0.111	130.3	0.0328	1.890	0.6873
Stddev	.0008	1.0	.0013	.019	.0001	.7	.0001	.0007	.0016
%RSD	23.42	.3542	1.181	.4156	.7437	.5048	.1650	.3775	.2375
#1	.0024	295.7	.1148	4.610	.0111	129.8	.0327	1.887	.6854
#2	.0036	297.4	.1145	4.618	.0110	131.1	.0327	1.898	.6883
#3	.0037	295.4	.1124	4.582	.0111	130.0	.0328	1.885	.6881
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.106	425.7	112.1	110.9	F 8.863	0.313	5.104	5.079	5.988
Stddev	.001	1.9	.5	.5	.031	.0005	.041	.0009	.015
%RSD	.1094	.4540	.4353	.4513	.3473	1.462	.8067	.1784	.2549
#1	1.105	423.9	112.0	110.4	8.838	.0314	5.077	5.069	5.973
#2	1.107	427.7	112.6	111.4	8.897	.0308	5.152	5.087	5.988
#3	1.106	425.5	111.7	111.0	8.854	.0317	5.084	5.082	6.004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.140	-0.037	3.696	2.189	1.349	F 14.29	-0.040	8.024	6.712
Stddev	.0009	.0081	.014	.0004	.006	.03	.0040	.0033	.018
%RSD	6.662	215.3	.3888	.1853	.4200	.2414	100.5	4.064	.2651
#1	.0134	.0056	3.679	.2193	1.348	14.26	-.0047	.7987	6.730
#2	.0137	-.0084	3.707	.2185	1.355	14.29	-.0075	8.037	6.712
#3	.0151	-.0084	3.701	.2189	1.344	14.33	.0003	8.049	6.695
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2476.8	6446.7	49263.	4520.5					
Stddev	4.8	15.2	92.	29.3					
%RSD	.19370	.23566	.18611	.64745					
#1	2481.8	6454.9	49369.	4540.5					
#2	2472.2	6429.1	49206.	4486.9					
#3	2476.4	6456.0	49214.	4534.1					

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Sample Name: FA32070-15 Acquired: 3/11/2016 7:21:25 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0015	307.3	1.255	6.198	0.118	85.90	0.0309	1.820	0.7503
Stddev	.0007	3.1	.0027	.063	.0002	.78	.0005	.0007	.0016
%RSD	50.24	1.005	2.165	1.011	1.840	.9078	1.541	.3811	.0869
#1	.0007	306.0	.1245	6.180	.0116	85.60	.0306	1.813	.7504
#2	.0021	310.8	.1234	6.268	.0120	86.79	.0306	1.822	.7496
#3	.0016	305.1	.1286	6.147	.0117	85.32	.0314	1.827	.7508
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	6.850	451.4	102.9	110.3	7.758	0.310	4.965	4.551	F 11.51
Stddev	.0013	4.7	1.0	1.2	.056	.0002	.037	.0016	.03
%RSD	.1911	1.044	1.014	1.072	.7201	.6569	.7372	.3469	.2220
#1	.6864	449.4	102.6	110.2	7.792	.0311	4.943	4.533	11.50
#2	.6838	456.8	104.1	111.5	7.788	.0308	5.008	4.555	11.54
#3	.6848	448.1	102.0	109.2	7.694	.0312	4.945	4.564	11.50
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.055	-0.088	3.553	2.102	1.812	F 14.78	0.010	8.866	5.693
Stddev	.0022	.0042	.005	.0002	.0093	.08	.0042	.0014	.012
%RSD	39.47	47.76	.1416	.2192	1.139	5.282	441.9	.1635	.2132
#1	.0076	-.0103	3.550	.1023	.8110	14.77	.0056	8.861	5.679
#2	.0033	-.0040	3.551	.1021	.8279	14.86	-.0026	8.854	5.700
#3	.0057	-.0120	3.559	.1018	.8127	14.70	-.0001	8.882	5.701
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2524.8	6670.7	5142.7	4725.0					
Stddev	2.2	12.6	84.	44.4					
%RSD	.08524	.18932	.16323	.93980					
#1	2526.2	6681.8	51448.	4758.3					
#2	2522.3	6673.4	51335.	4674.6					
#3	2525.8	6656.9	51498.	4742.1					

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7.1
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Sample Name: CCV Acquired: 3/11/2016 7:25:58 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2563	40.16	2.107	2.042	2.033	39.84	2.126	2.103	2.071
Stddev	.0012	.27	.005	.013	.012	.21	.003	.003	.004
%RSD	.4693	.6694	.2166	.6586	.5674	.5232	.1241	.1278	.1992
#1	.2550	40.30	2.113	2.043	2.036	40.02	2.128	2.106	2.072
#2	.2573	40.33	2.104	2.055	2.043	39.87	2.125	2.102	2.074
#3	.2567	39.85	2.105	2.028	2.020	39.61	2.123	2.101	2.066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.037	39.47	40.34	39.13	2.103	2.115	41.29	2.139	2.082
Stddev	.009	.17	.27	.29	.002	.003	.32	.002	.004
%RSD	.4226	.4333	.6587	.7538	.1033	.1615	.7673	.0699	.1938
#1	2.031	39.49	40.44	39.41	2.104	2.119	41.31	2.141	2.086
#2	2.032	39.63	40.53	39.16	2.104	2.115	41.59	2.138	2.078
#3	2.047	39.29	40.03	38.82	2.100	2.112	40.96	2.138	2.081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.106	2.098	2.048	2.124	2.095	2.117	2.102	2.126	2.074
Stddev	.008	.001	.006	.004	.017	.001	.001	.006	.003
%RSD	.3610	.0644	.3006	.1633	.7924	.0365	.0394	.2827	.1376
#1	2.112	2.098	2.055	2.127	2.089	2.116	2.102	2.122	2.075
#2	2.108	2.099	2.045	2.125	2.113	2.117	2.103	2.132	2.077
#3	2.097	2.096	2.044	2.120	2.082	2.117	2.101	2.122	2.071
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 3/11/2016 7:25:58 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2440.5	5168.1	40468.	3697.0					
Stddev	7.7	12.1	135.	25.0					
%RSD	.31554	.23322	.33360	.67638					
#1	2438.7	5162.9	40505.	3673.5					
#2	2449.0	5181.8	40319.	3694.3					
#3	2433.9	5159.5	40581.	3723.3					

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Sample Name: CCB Acquired: 3/11/2016 7:30:08 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0089	.0000	.0000	.0000	.0021	.0000	.0001	.0000
Stddev	.0002	.0031	.000	.0003	.0000	.0036	.0000	.0001	.0002
%RSD	35.32	35.03	700.4	1029.	121.4	172.9	106.0	58.13	492.2
#1	.0005	.0115	.0002	.0003	.0000	.0050	.0000	.0001	.0002
#2	.0004	.0055	.0001	.0001	.0000	.0031	.0001	.0002	-.0001
#3	.0007	.0098	-.0004	-.0003	.0000	-.0019	.0000	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0186	.0550	.0071	.0002	.0007	.0228	.0001	.0007
Stddev	.0001	.0029	.0258	.0111	.0000	.0002	.0072	.0001	.0003
%RSD	27.87	15.81	46.92	155.9	12.37	30.49	31.61	71.29	49.21
#1	.0004	.0220	.0270	-.0049	.0002	.0009	.0308	.0000	.0003
#2	.0004	.0176	.0601	.0169	.0002	.0007	.0207	.0002	.0007
#3	.0006	.0164	.0779	.0093	.0002	.0005	.0168	.0002	.0010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0009	.0018	.0028	.0000	.0001	.0013	.0011	.0001	-.0002
Stddev	.0001	.0005	.0009	.000	.0001	.0000	.0007	.0001	.0001
%RSD	14.86	25.82	32.04	1928.	59.38	2.862	61.34	112.0	50.64
#1	-.0011	.0014	.0022	.0000	.0002	.0013	.0013	.0002	-.0001
#2	-.0009	.0016	.0023	.0003	.0001	.0014	.0003	.0000	-.0002
#3	-.0008	.0023	.0038	-.0004	.0001	.0013	.0016	.0001	-.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/11/2016 7:30:08 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2914.6	5496.1	42945.	3797.8
Stddev	.9	2.6	96.	5.9
%RSD	.02992	.04679	.22414	.15502
#1	2915.0	5493.2	42932.	3791.1
#2	2915.3	5496.8	43047.	3799.8
#3	2913.6	5498.2	42856.	3802.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0186	.0550	.0071	.0002	.0007	.0228	.0001	.0007
Stddev	.0001	.0029	.0258	.0111	.0000	.0002	.0072	.0001	.0003
%RSD	27.87	15.81	46.92	155.9	12.37	30.49	31.61	71.29	49.21
#1	.0004	.0220	.0270	-.0049	.0002	.0009	.0308	.0000	.0003
#2	.0004	.0176	.0601	.0169	.0002	.0007	.0207	.0002	.0007
#3	.0006	.0164	.0779	.0093	.0002	.0005	.0168	.0002	.0010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0009	.0018	.0028	.0000	.0001	.0013	.0011	.0001	-.0002
Stddev	.0001	.0005	.0009	.000	.0001	.0000	.0007	.0001	.0001
%RSD	14.86	25.82	32.04	1928.	59.38	2.862	61.34	112.0	50.64
#1	-.0011	.0014	.0022	.0000	.0002	.0013	.0013	.0002	-.0001
#2	-.0009	.0016	.0023	.0003	.0001	.0014	.0003	.0000	-.0002
#3	-.0008	.0023	.0038	-.0004	.0001	.0013	.0016	.0001	-.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: FA32070-16 Acquired: 3/11/2016 7:34:39 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0016	328.9	.1139	4.700	.0130	120.8	.0269	.2097	.6184
Stddev	.0005	1.1	.0021	.014	.0000	.8	.0001	.0006	.0014
%RSD	33.30	3244	1.859	.3018	.3040	6.360	.4279	.2904	.2276
#1	.0021	329.5	.1153	4.709	.0131	121.5	.0268	.2103	.6197
#2	.0016	329.5	.1114	4.707	.0130	120.8	.0268	.2091	.6169
#3	.0011	327.6	.1149	4.683	.0130	120.0	.0270	.2097	.6185

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.9170	491.0	104.6	130.3	F 9.092	.0271	7.447	5.195	3.301
Stddev	.0047	2.0	5	5	.029	.0004	.011	.0015	.005
%RSD	.5083	.3978	.4689	.4178	.3140	1.316	.1430	.2882	.1588
#1	.9219	492.9	104.9	130.8	9.124	.0267	7.436	5.196	3.306
#2	.9127	491.1	104.8	130.4	9.071	.0273	7.457	5.179	3.303
#3	.9165	489.0	104.0	129.7	9.081	.0273	7.447	5.209	3.295

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0220	-.0071	3.638	1.774	1.267	F 13.78	-.0024	9.617	4.236
Stddev	.0041	.0036	.002	.0007	.004	.08	.0005	.0019	.013
%RSD	18.60	50.30	.0492	.4002	.2990	.6026	23.06	.1970	.2950
#1	.0203	-.0069	3.636	.1782	1.269	13.74	-.0027	9.599	4.244
#2	.0266	-.0036	3.638	.1768	1.269	13.87	-.0017	9.637	4.222
#3	.0190	-.0107	3.640	.1772	1.263	13.72	-.0027	9.614	4.243

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2465.1	6705.7	51489.	4723.1
Stddev	6.3	3.6	110.	25.5
%RSD	.25640	.05414	.21418	.53965
#1	2466.1	6708.5	51389.	4700.9
#2	2458.3	6701.6	51471.	4717.5
#3	2470.8	6707.1	51607.	4751.0

Sample Name: FA32070-17 Acquired: 3/11/2016 7:39:12 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0008	331.4	.0896	3.379	.0134	98.61	.0178	.1970	.5836
Stddev	.0011	1.3	.0019	.004	.0001	.51	.0003	.0004	.0024
%RSD	134.7	.3837	2.173	.1188	.7521	5.161	1.871	2.200	.4127
#1	-.0016	332.8	.0918	3.383	.0134	98.88	.0174	.1973	.5856
#2	-.0013	330.3	.0888	3.376	.0134	98.02	.0181	.1973	.5809
#3	-.0004	331.0	.0882	3.377	.0135	98.93	.0179	.1965	.5841

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5475	473.5	98.70	118.8	F 8.536	.0338	7.472	4.909	3.754
Stddev	.0012	2.6	.35	.9	.102	.0005	.013	.0008	.0012
%RSD	.2114	.5553	.3596	.7821	1.201	1.532	.1690	.1707	.3151
#1	.5470	476.4	99.08	119.6	8.571	.0339	7.480	4.916	.3767
#2	.5488	471.3	98.38	117.8	8.421	.0332	7.458	4.913	.3751
#3	.5466	472.7	98.64	119.0	8.617	.0342	7.479	4.900	.3743

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0025	-.0079	5.588	.0441	1.079	F 13.35	-.0033	9.317	1.520
Stddev	.0029	.0045	.006	.0005	.005	.09	.0036	.0015	.004
%RSD	113.3	56.59	.1029	1.190	.4780	.7050	106.5	.1647	.2909
#1	.0024	-.0093	5.582	.0436	1.084	13.32	-.0057	9.331	1.524
#2	.0055	-.0115	5.593	.0439	1.079	13.27	-.0051	9.301	1.519
#3	-.0002	-.0029	5.590	.0446	1.074	13.46	.0008	9.319	1.516

Sample Name: FA32070-18 Acquired: 3/11/2016 7:43:45 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.013	380.6	.0979	3.859	.0156	108.1	.0187	2.105	.6523
Stddev	.0008	1.2	.0002	.017	.0001	.3	.0002	.0004	.0002
%RSD	64.45	.3142	.1737	.4453	.5281	.3032	1.311	.1677	.0372
#1	-.0014	379.9	.0977	3.850	.0157	108.1	.0185	2.107	.6525
#2	-.0004	380.0	.0978	3.849	.0156	107.7	.0189	2.101	.6524
#3	-.0021	382.0	.0980	3.879	.0156	108.3	.0185	2.108	.6520
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5766	532.3	92.37	130.7	8.540	.0339	9.711	5.452	2.112
Stddev	.0003	.7	.30	.3	.054	.0004	.009	.0009	.0035
%RSD	.0531	.1377	.3236	.2516	.6342	1.034	.0917	.1656	1.680
#1	.5767	532.3	92.36	131.0	8.484	.0335	9.705	5.457	2.071
#2	.5762	531.6	92.07	130.4	8.593	.0342	9.707	5.441	2.129
#3	.5768	533.0	92.67	130.7	8.544	.0338	9.722	5.457	2.135
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0007	-0.134	5.087	0.232	1.148	11.64	-0.002	1.038	1.437
Stddev	.0024	.0032	.011	.0001	.003	.04	.0032	.002	.005
%RSD	343.7	24.24	.2170	.6244	.2464	.3673	2034.	.1512	.3451
#1	-.0031	-.0106	5.081	.0233	1.145	11.59	.0026	1.040	1.440
#2	-.0006	-.0126	5.099	.0231	1.148	11.67	-.0037	1.038	1.431
#3	.0016	-.0170	5.080	.0230	1.151	11.65	.0006	1.036	1.440
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2463.7	7134.6	55230.	5062.3					
Stddev	2.6	13.6	71.	15.0					
%RSD	.10361	.19003	.12786	.29684					
#1	2463.8	7126.2	55298.	5044.9					
#2	2461.1	7127.4	55157.	5071.3					
#3	2466.2	7150.3	55234.	5070.6					

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Sample Name: FA32070-19 Acquired: 3/11/2016 7:48:18 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0036	296.7	.1685	5.371	.0104	211.7	.0439	1.786	.8172
Stddev	.0009	.7	.0032	.005	.0001	.8	.0005	.0005	.0007
%RSD	23.90	.2412	1.927	.0863	1.141	.3900	1.047	.2528	.0874
#1	.0026	297.3	.1722	5.375	.0105	212.3	.0438	1.781	.8180
#2	.0039	295.9	.1660	5.371	.0104	210.8	.0444	1.790	.8166
#3	.0043	297.0	.1674	5.366	.0103	212.2	.0435	1.786	.8171
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.197	420.2	87.81	120.6	8.018	.0330	6.812	6.010	7.151
Stddev	.006	1.4	.19	.6	.050	.0004	.042	.0010	.015
%RSD	.5233	.3296	.2165	.4819	.6243	1.233	.6116	.1737	.2038
#1	1.194	420.7	87.98	120.6	8.041	.0326	6.806	6.005	7.135
#2	1.204	418.6	87.60	120.0	7.961	.0334	6.774	6.022	7.155
#3	1.193	421.2	87.85	121.1	8.053	.0329	6.856	6.002	7.163
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0098	-0.035	5.156	1.429	1.622	14.65	-0.036	.7786	9.154
Stddev	.0027	.0024	.013	.0009	.003	.05	.0012	.0018	.010
%RSD	27.68	70.08	.2561	.6561	.1866	.3240	.3358	.2273	.1051
#1	.0074	-.0042	5.149	.1425	1.624	14.69	-.0049	.7799	9.148
#2	.0127	-.0008	5.172	.1422	1.618	14.60	-.0032	.7766	9.148
#3	.0091	-.0055	5.148	.1439	1.623	14.64	-.0026	.7792	9.165
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2463.8	6340.1	49489.	4574.0					
Stddev	4.2	3.0	29.	15.3					
%RSD	.16845	.04770	.05942	.33533					
#1	2466.0	6338.5	49498.	4570.4					
#2	2466.5	6338.3	49512.	4590.8					
#3	2459.0	6343.6	49456.	4560.8					

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Sample Name: FA32070-20 Acquired: 3/11/2016 7:52:48 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0047	244.3	.1755	4.238	.0087	118.2	.0388	1.661	.7490
Stddev	.0006	.1	.0019	.009	.0001	.2	.0001	.0004	.0020
%RSD	11.93	.0553	1.090	.2182	.9990	.1451	.3444	.2682	.2612
#1	.0045	244.1	.1774	4.234	.0088	118.0	.0390	1.665	.7487
#2	.0042	244.3	.1754	4.231	.0086	118.4	.0387	1.657	.7511
#3	.0053	244.4	.1736	4.248	.0087	118.2	.0388	1.660	.7472
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.070	365.1	54.24	95.52	7.064	.0240	4.011	5.316	9.680
Stddev	.004	.8	.08	.29	.030	.0005	.003	.0004	.008
%RSD	.3552	.2327	.1513	.3046	.4250	2.040	.0792	.0679	.0856
#1	1.067	364.9	54.28	95.46	7.052	.0238	4.008	5.318	9.672
#2	1.074	366.0	54.14	95.83	7.098	.0245	4.012	5.319	9.689
#3	1.067	364.3	54.29	95.26	7.041	.0235	4.014	5.312	9.679
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0075	-0.020	4.610	1.664	1.046	13.47	-0.043	7.021	13.27
Stddev	.0027	.0049	.006	.0003	.002	.10	.0022	.0019	.03
%RSD	35.31	245.7	.1213	.1835	.1475	.7613	51.63	.2676	.2145
#1	.0090	-.0066	4.605	.1667	1.045	13.35	-.0049	7.043	13.26
#2	.0092	.0032	4.609	.1664	1.048	13.55	-.0019	7.012	13.30
#3	.0045	-.0026	4.616	.1661	1.045	13.50	-.0062	7.009	13.24
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2542.5	6248.9	48547.	4452.4					
Stddev	2.3	6.8	166.	15.3					
%RSD	.09223	.10876	.34246	.34399					
#1	2540.9	6242.2	48602.	4469.5					
#2	2545.2	6255.8	48360.	4447.7					
#3	2541.4	6248.6	48679.	4440.0					

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Sample Name: FA32070-21 Acquired: 3/11/2016 7:57:19 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0034	295.6	.1424	4.712	.0115	138.9	.0438	1.848	.6562
Stddev	.0005	1.4	.0018	.019	.0002	.7	.0007	.0021	.0060
%RSD	15.08	.4570	1.259	.4062	1.512	.4820	1.681	1.125	.9151
#1	.0039	296.1	.1410	4.726	.0116	139.1	.0431	1.827	.6631
#2	.0033	296.7	.1444	4.721	.0116	139.5	.0438	1.850	.6534
#3	.0029	294.1	.1419	4.690	.0113	138.2	.0445	1.868	.6521
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.9222	456.3	104.9	111.5	8.268	.0284	6.814	4.905	3.442
Stddev	.0062	2.0	.3	.6					

Sample Name: FA32070-22 Acquired: 3/11/2016 8:01:52 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0021	340.4	.1505	4.801	.0135	127.4	.0348	.2202	.6750
Stddev	.0007	.3	.0014	.013	.0001	.2	.0001	.0001	.0036
%RSD	30.60	.0766	.9374	.2737	.4962	.1350	.1745	.0404	.5317
#1	.0016	340.1	.1491	4.787	.0134	127.5	.0348	.2201	.6774
#2	.0029	340.5	.1519	4.803	.0135	127.2	.0349	.2202	.6708
#3	.0019	340.6	.1505	4.813	.0135	127.4	.0348	.2201	.6766
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.8578	496.3	117.2	125.9	F 9.765	.0299	6.876	.5426	2.573
Stddev	.0029	.4	.2	.3	.076	.0004	.024	.0009	.007
%RSD	.3354	.0765	.1294	.2146	.7800	1.342	.3419	.1581	.2551
#1	.8546	496.1	117.0	126.2	9.724	.0303	6.851	.5422	2.573
#2	.8585	496.7	117.3	125.6	9.719	.0299	6.879	.5435	2.579
#3	.8603	496.0	117.2	126.0	9.853	.0295	6.898	.5420	2.566
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0071	-.0069	5.258	1.039	1.281	F 13.91	-.0005	.9228	3.978
Stddev	.0015	.0016	.008	.0012	.003	.11	.0008	.0022	.003
%RSD	21.50	23.85	.1466	1.130	.2008	.7849	165.5	.2367	.0668
#1	.0073	-.0080	5.257	1.034	1.278	13.91	.0004	.9236	3.976
#2	.0054	-.0050	5.251	1.052	1.283	13.80	-.0006	.9204	3.981
#3	.0084	-.0076	5.266	1.030	1.283	14.02	-.0012	.9246	3.977
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2477.8	6775.0	52696.	4888.0					
Stddev	1.5	7.2	291.	13.1					
%RSD	.05872	.10600	.55291	.26821					
#1	2478.2	6780.2	52600.	4875.4					
#2	2479.1	6777.9	53024.	4886.9					
#3	2476.2	6766.8	52465.	4901.6					

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Sample Name: MP30094-MB1 Acquired: 3/11/2016 8:06:25 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0234	-.0009	.0001	-.0001	.0217	-.0001	-.0001	.0007
Stddev	.0003	.0096	.0008	.0002	.0001	.0017	.0000	.0001	.0002
%RSD	71.30	41.00	89.33	134.4	41.31	7.885	31.77	97.42	22.88
#1	.0005	.0185	-.0006	-.0001	-.0001	.0214	-.0001	.0000	.0008
#2	.0001	.0345	-.0018	.0002	-.0002	.0202	.0000	-.0001	.0005
#3	.0008	.0173	-.0003	.0003	-.0001	.0236	-.0001	-.0001	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	F 3.845	.0724	-.0061	.0032	-.0007	.0449	.0003	.0001
Stddev	.0002	.0025	.0283	.0207	.0000	.0001	.0047	.0002	.0001
%RSD	28.35	.6448	39.18	338.4	.8737	17.97	10.38	58.88	113.8
#1	.0007	.3826	.0598	-.0298	.0033	-.0008	.0405	.0004	.0001
#2	.0007	.3873	.0524	.0087	.0032	-.0008	.0498	.0001	.0003
#3	.0004	.3836	.1048	.0028	.0032	-.0006	.0445	.0005	.0000
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.1500							
Low Limit		-.1500							
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0012	.0013	.0079	.0193	.0000	.0029	.0003	.0000	.0013
Stddev	.0002	.0002	.0002	.0002	.000	.0003	.0016	.0001	.0000
%RSD	18.09	14.50	3.120	9.254	56.97	11.17	448.2	337.7	.7676
#1	-.0014	.0014	.0077	.0195	.0000	.0031	.0015	.0000	.0013
#2	-.0012	.0011	.0082	.0191	.0000	.0031	-.0014	.0000	.0013
#3	-.0009	.0014	.0078	.0192	-.0001	.0025	.0010	.0002	.0013
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: MP30094-MB1 Acquired: 3/11/2016 8:06:25 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2960.0	5553.6	44486.	3930.0
Stddev	.8	6.5	154.	8.2
%RSD	.02767	.11709	.34697	.20848
#1	2960.1	5552.2	44310.	3920.7
#2	2960.8	5560.7	44550.	3936.3
#3	2959.2	5548.0	44598.	3933.1

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Sample Name: MP30094-B1 Acquired: 3/11/2016 8:10:56 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0498	28.82	2.134	2.144	.0544	26.42	.0550	.5404	.2157
Stddev	.0009	.11	.004	.003	.0004	.09	.0002	.0005	.0007
%RSD	1.888	.3968	.2096	.1543	.7016	.3301	.3331	.0887	.3181
#1	.0494	28.75	2.139	2.140	.0541	26.35	.0551	.5409	.2153
#2	.0509	28.95	2.132	2.147	.0548	26.52	.0551	.5402	.2165
#3	.0492	28.75	2.130	2.144	.0543	26.39	.0548	.5401	.2154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2727	27.46	26.67	26.05	.5596	.5452	27.58	.5577	.5198
Stddev	.0022	.21	.08	.21	.0013	.0008	.14	.0004	.0007
%RSD	.7993	.7780	.3114	.8041	.2382	.1538	.4939	.0675	.1288
#1	.2711	27.28	26.57	26.03	.5585	.5461	27.52	.5580	.5205
#2	.2752	27.70	26.73	26.26	.5610	.5450	27.73	.5577	.5195
#3	.2718	27.41	26.70	25.85	.5591	.5445	27.48	.5573	.5193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5432	2.138	.0269	.5742	.5498	.5623	2.117	.5130	.5339
Stddev	.0013	.002	.0005	.0004	.0028	.0019	.004	.0021	.0005
%RSD	.2377	.1134	1.704	.0706	.5072	.3453	.2028	.4165	.0954
#1	.5417	2.139	.0267	.5738	.5479	.5609	2.112	.5135	.5335
#2	.5438	2.135	.0274	.5742	.5530	.5645	2.118	.5149	.5337
#3	.5441	2.139	.0266	.5746	.5486	.5614	2.120	.5107	.5345
Check ?	Chk Pass	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: MP30094-B1 Acquired: 3/11/2016 8:10:56 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2593.8	5300.9	41454.	3759.0
Stddev	3.0	4.0	173.	24.5
%RSD	.11555	.07554	.41705	.65060
#1	2595.5	5297.2	41584.	3769.1
#2	2590.3	5300.2	41258.	3731.1
#3	2595.6	5305.2	41521.	3776.7

Sample Name: FA32068-9 Acquired: 3/11/2016 8:15:09 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	0.646	235.4	2913	F 9.724	0.082	222.1	0.744	1.506	1.109
Stddev	.0007	.3	.0019	.018	.0001	.2	.0005	.0006	.006
%RSD	1.069	.1261	.6548	.1796	.8754	.0719	.6526	.3778	.5317
#1	.0648	235.4	.2897	9.705	.0082	222.3	.0739	1.502	1.116
#2	.0652	235.2	.2907	9.739	.0083	222.0	.0746	1.503	1.105
#3	.0639	235.8	.2934	9.727	.0081	222.0	.0747	1.512	1.106
Elem	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_3710)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	2.126	426.3	68.32	88.09	7.911	0.506	5.295	5.966	F 14.11
Stddev	.004	.7	.08	.40	.043	.0004	.008	.0005	.03
%RSD	.2091	.1562	.1163	.4560	.5408	.8613	.1593	.0871	.2082
#1	2.121	426.3	68.32	88.22	7.945	.0511	5.295	5.963	14.13
#2	2.127	425.6	68.40	87.64	7.863	.0503	5.286	5.964	14.13
#3	2.130	426.9	68.24	88.42	7.924	.0504	5.303	5.972	14.07
Elem	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	0.301	0.148	4.355	2.958	1.848	F 10.86	-0.016	6.958	F 14.24
Stddev	.0018	.0036	.014	.0009	.003	.09	.0021	.0021	.03
%RSD	6.134	24.12	.3229	.2885	.1593	.7854	126.6	.2999	.2440
#1	.0308	.0178	4.339	.2959	1.845	10.96	-0.040	6.977	14.28
#2	.0316	.0108	4.363	.2966	1.847	10.85	-0.009	6.962	14.23
#3	.0280	.0158	4.363	.2949	1.851	10.79	.0000	6.936	14.22
Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S					
Avg	2493.0	6063.9	47087.	4345.1					
Stddev	3.3	13.6	152.	25.9					
%RSD	.13287	.22372	.32219	.59559					
#1	2495.8	6079.4	46914.	4336.4					
#2	2489.3	6058.4	47197.	4374.2					
#3	2493.8	6054.0	47151.	4324.7					

7.1
7

Sample Name: CCV Acquired: 3/11/2016 8:19:40 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	2.530	39.84	2.087	2.027	2.012	39.14	2.087	2.075	2.039
Stddev	.0001	.06	.004	.004	.002	.07	.004	.002	.004
%RSD	.0409	.1393	.2063	.1915	.0985	.1860	.1826	.0727	.2045
#1	.2529	39.89	2.091	2.030	2.010	39.16	2.090	2.077	2.044
#2	.2530	39.86	2.082	2.023	2.014	39.06	2.089	2.075	2.039
#3	.2531	39.78	2.087	2.029	2.011	39.20	2.083	2.074	2.035

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	2.040	39.03	40.08	38.40	2.080	2.098	40.95	2.108	2.033
Stddev	.007	.05	.11	.13	.002	.001	.03	.004	.002
%RSD	.3588	.1403	.2846	.3283	.1167	.0493	.0718	.1869	.0941
#1	2.031	39.07	39.95	38.47	2.082	2.099	40.91	2.111	2.031
#2	2.043	39.04	40.14	38.48	2.079	2.097	40.97	2.109	2.035
#3	2.045	38.97	40.15	38.26	2.077	2.098	40.95	2.103	2.034

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	2.106	2.080	2.043	2.087	2.088	2.100	2.079	2.090	2.023
Stddev	.003	.008	.003	.003	.001	.001	.004	.002	.007
%RSD	.1274	.3928	.1359	.1179	.0508	.0656	.1908	.1098	.3399
#1	2.106	2.075	2.044	2.089	2.087	2.100	2.074	2.092	2.027
#2	2.103	2.089	2.040	2.089	2.087	2.099	2.082	2.090	2.027
#3	2.108	2.076	2.045	2.084	2.089	2.102	2.080	2.088	2.015

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Sample Name: CCV Acquired: 3/11/2016 8:19:40 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2481.7	5219.8	41079.	3738.9
Stddev	11.2	17.6	79.	4.5
%RSD	.44995	.33789	.19262	.12031
#1	2490.1	5227.7	40988.	3742.7
#2	2486.0	5232.1	41125.	3740.1
#3	2469.0	5199.6	41125.	3733.9

Sample Name: CCB Acquired: 3/11/2016 8:23:51 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0069	-.0003	.0002	.0000	.0013	.0000	.0000	.0001
Stddev	.0001	.0021	.0006	.0001	.0001	.0012	.0000	.0000	.0001
%RSD	28.31	30.73	178.7	29.64	1475.	94.92	1530.	55.50	51.97
#1	.0003	.0077	-.0010	.0003	.0001	.0019	.0000	.0000	.0002
#2	.0005	.0045	-.0001	.0002	.0000	-.0001	.0000	.0000	.0001
#3	.0003	.0086	.0001	.0002	.0000	.0020	.0000	.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0148	.0802	.0210	.0001	.0007	.0241	.0000	.0000
Stddev	.0003	.0059	.0245	.0317	.0000	.0002	.0019	.0002	.0007
%RSD	57.45	40.17	30.53	150.6	16.18	26.77	7.693	973.5	2242.
#1	.0007	.0210	.0538	-.0147	.0001	.0009	.0260	-.0001	-.0006
#2	.0002	.0092	.0846	.0457	.0001	.0007	.0241	.0002	-.0001
#3	.0005	.0142	.1022	.0320	.0001	.0005	.0223	.0000	.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0014	.0012	.0030	-.0002	.0001	.0009	.0001	.0002	-.0002
Stddev	.0004	.0014	.0004	.0001	.0001	.0001	.0003	.0000	.0001
%RSD	32.31	116.2	14.06	70.68	75.93	12.87	217.9	.6687	31.67
#1	-.0010	.0005	.0031	-.0001	.0002	.0011	.0001	.0002	-.0003
#2	-.0014	.0027	.0034	-.0001	.0001	.0009	.0004	.0002	-.0002
#3	-.0018	.0002	.0026	-.0003	.0001	.0009	-.0002	.0002	-.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/11/2016 8:23:51 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2912.6	5466.9	43150.	3795.7
Stddev	2.6	9.1	60.	17.3
%RSD	.08948	.16574	.13969	.45577
#1	2909.7	5466.1	43219.	3804.4
#2	2914.8	5458.2	43121.	3807.0
#3	2913.3	5476.2	43109.	3775.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30094-D1 Acquired: 3/11/2016 8:28:24 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0271	228.5	.2303	7.702	.0081	137.0	.0641	.1628	.8560
Stddev	.0012	1.2	.0011	.040	.0002	.9	.0001	.0004	.0062
%RSD	4.493	.5467	.4770	.5214	2.225	.6372	.1658	.2315	.7191
#1	.0258	229.9	.2305	7.746	.0083	138.0	.0640	.1629	.8530
#2	.0283	227.6	.2314	7.667	.0079	136.5	.0641	.1632	.8520
#3	.0273	227.9	.2292	7.694	.0081	136.4	.0642	.1624	.8631

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.632	401.9	66.60	83.61	7.041	.0389	4.417	5.072	F 10.16
Stddev	.004	1.9	.59	.67	.039	.0007	.040	.0011	.05
%RSD	.2557	.4678	.8862	.8044	.5576	1.821	.9056	.2236	.4856
#1	1.631	404.0	67.28	84.38	6.998	.0389	4.451	.5085	10.19
#2	1.636	400.7	66.27	83.15	7.049	.0396	4.373	.5067	10.19
#3	1.628	400.8	66.25	83.30	7.076	.0382	4.426	.5063	10.10

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0250	.0045	4.156	.2125	1.290	F 10.67	-.0009	.6662	F 12.44
Stddev	.0019	.0019	.006	.0008	.005	.07	.0005	.0027	.04
%RSD	7.472	40.73	.1372	.3715	.4090	.6543	52.51	.3979	.3306
#1	.0232	.0067	4.159	.2126	1.297	10.65	-.0010	.6632	12.44
#2	.0269	.0037	4.149	.2117	1.287	10.60	-.0004	.6670	12.45
#3	.0247	.0033	4.159	.2132	1.287	10.74	-.0014	.6683	12.37

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2530.2	6105.3	47792.	4381.6
Stddev	9.0	2.9	183.	36.7
%RSD	.35383	.04776	.38328	.83795
#1	2526.5	6108.1	47922.	4339.5
#2	2523.7	6105.5	47872.	4398.3
#3	2540.4	6102.3	47583.	4407.0

Sample Name: MP30094-SD1 Acquired: 3/11/2016 8:32:57 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0719	263.1	.3183	10.73	.0086	252.1	.0840	.1780	1.284
Stddev	.0041	1.2	.0029	.06	.0008	.9	.0006	.0017	.005
%RSD	5.736	.4403	.9003	.5635	9.458	.3726	.7571	.9383	.3838
#1	.0766	261.8	.3153	10.66	.0094	251.6	.0844	.1790	1.279
#2	.0701	264.0	.3184	10.78	.0078	251.5	.0843	.1761	1.284
#3	.0689	263.5	.3211	10.73	.0085	253.2	.0833	.1790	1.289

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.375	497.4	75.77	99.46	9.446	.0523	5.891	.6996	14.32
Stddev	.013	1.7	.13	.79	.031	.0011	.022	.0021	.03
%RSD	.5287	.3414	.1775	.7966	.3259	2.040	.3782	.2985	.2103
#1	2.374	496.0	75.62	99.03	9.473	.0522	5.888	.7014	14.36
#2	2.363	496.9	75.86	98.98	9.412	.0514	5.914	.7002	14.32
#3	2.388	499.3	75.84	100.4	9.454	.0535	5.870	.6973	14.30

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0079	.0043	6.414	.3490	2.078	13.16	.0002	.7972	17.05
Stddev	.0037	.0012	.010	.0028	.005	.03	.0061	.0072	.03
%RSD	46.80	27.24	.1532	.8007	.2477	.2390	3090.	.9052	.1589
#1	.0073	.0031	6.421	.3467	2.072	13.17	-.0049	.8048	17.06
#2	.0118	.0044	6.418	.3481	2.081	13.13	-.0015	.7904	17.07
#3	.0045	.0055	6.403	.3521	2.081	13.19	.0069	.7964	17.02

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2727.9	5602.4	43595.	3904.6
Stddev	4.2	13.3	197.	33.7
%RSD	.15463	.23742	.45200	.86295
#1	2730.0	5615.2	43384.	3919.6
#2	2723.0	5588.6	43775.	3928.2
#3	2730.6	5603.3	43625.	3866.0

Sample Name: MP30094-PS1 Acquired: 3/11/2016 8:37:16 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	1.088	236.9	3.860	F 9.929	0.0543	225.7	1.186	1.937	1.143
Stddev	.0011	.3	.0030	.015	.0003	.7	.0002	.0007	.004
%RSD	1.054	.1082	.7774	.1522	.5183	.3106	.1279	.3442	.3144
#1	.1098	236.6	.3826	9.936	.0540	224.9	.1188	1.930	1.139
#2	.1075	236.9	.3883	9.912	.0544	226.3	.1186	1.938	1.146
#3	.1091	237.1	.3871	9.940	.0545	225.8	.1185	1.943	1.144
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.210	426.9	77.20	92.06	7.851	1.375	14.72	6.808	F 14.05
Stddev	.009	1.4	.17	.68	.052	.0001	.05	.0014	.03
%RSD	.4284	.3271	.2258	.7403	.6649	.1049	.3307	.2004	.2072
#1	2.213	425.3	77.24	91.32	7.836	1.376	14.69	6.821	14.08
#2	2.199	427.9	77.00	92.67	7.910	1.374	14.70	6.811	14.02
#3	2.217	427.6	77.35	92.18	7.808	1.376	14.78	6.794	14.05
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.289	1.053	4.376	3.347	1.887	F 10.87	0.981	7.347	F 14.26
Stddev	.0027	.0056	.006	.0029	.004	.03	.0048	.0020	.04
%RSD	2.068	5.273	.1480	.8526	.1839	.2404	4.912	2.658	2.652
#1	.1275	.1053	4.370	.3314	1.884	10.85	.0952	7.325	14.23
#2	.1272	.1108	4.383	.3358	1.886	10.90	.1037	7.362	14.27
#3	.1320	.0997	4.377	.3368	1.891	10.86	.0955	7.354	14.30
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2468.4	6033.1	4694.3	4291.4					
Stddev	3.5	14.5	90.	26.6					
%RSD	.14355	.24056	.19092	.62033					
#1	2464.4	6041.8	4697.2	4312.6					
#2	2469.9	6016.4	4684.2	4261.5					
#3	2471.0	6041.2	4701.5	4300.0					

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Sample Name: MP30094-S1 Acquired: 3/11/2016 8:41:49 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.695	266.9	2.122	F 10.39	0.0570	162.4	1.113	6.253	1.074
Stddev	.0004	.9	.001	.03	.0005	.6	.0004	.0006	.003
%RSD	.5704	.3501	.0411	.3164	.8404	.3849	.3679	.0993	.3040
#1	.0693	266.5	2.122	10.39	.0570	162.2	1.109	6.248	1.073
#2	.0699	267.9	2.121	10.42	.0575	163.2	1.113	6.260	1.078
#3	.0692	266.2	2.123	10.36	.0566	162.0	1.117	6.253	1.071
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.950	425.8	92.93	108.1	F 8.191	4.804	29.80	1.000	F 10.88
Stddev	.011	1.3	.35	.5	.019	.0005	.01	.0004	.01
%RSD	.5655	.3007	.3741	.4508	.2328	.1006	.0503	.0389	.1361
#1	1.938	425.7	92.69	108.0	8.205	4.803	29.80	1.000	10.87
#2	1.953	427.2	93.33	108.6	8.200	4.800	29.81	9995	10.90
#3	1.960	424.6	92.78	107.7	8.170	4.810	29.78	1.000	10.87
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.601	1.906	4.195	6.772	1.857	F 11.42	2.079	1.114	F 13.18
Stddev	.0024	.004	.006	.0021	.004	.08	.003	.003	.04
%RSD	1.497	.1822	.1406	.3135	.2292	.7100	.1486	.2246	.2945
#1	.1588	1.903	4.188	6.779	1.856	11.46	2.081	1.115	13.20
#2	.1628	1.910	4.198	6.790	1.861	11.48	2.076	1.116	13.20
#3	.1585	1.905	4.199	6.749	1.853	11.33	2.080	1.111	13.14
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2454.6	6008.6	4682.9	4325.6					
Stddev	4.8	12.1	136.	23.9					
%RSD	.19447	.20115	.29098	.55292					
#1	2454.5	6002.3	4667.3	4350.5					
#2	2449.9	6001.0	4689.1	4302.8					
#3	2459.4	6022.6	4692.4	4323.7					

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7.1

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Sample Name: MP30094-S2 Acquired: 3/11/2016 8:46:18 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.724	255.4	2.079	F 11.28	0.0546	221.3	1.245	6.045	1.114
Stddev	.0013	.5	.002	.11	.0002	.6	.0001	.0007	.004
%RSD	1.826	.2037	.0964	.9677	.3472	.2681	.1063	.1078	.3503
#1	.0718	255.5	2.080	11.33	.0546	221.9	1.246	6.045	1.115
#2	.0714	255.8	2.080	11.35	.0544	221.0	1.244	6.051	1.118
#3	.0739	254.8	2.077	11.15	.0548	220.8	1.247	6.038	1.110
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.182	420.2	88.04	109.0	F 8.673	4.695	29.14	1.026	F 12.77
Stddev	.005	.8	.18	.4	.067	.0007	.09	.002	.05
%RSD	.2499	.1964	.2033	.3712	.7749	.1495	.3153	.1543	.3796
#1	2.180	420.8	88.13	109.4	8.750	4.687	29.22	1.026	12.82
#2	2.178	420.6	88.14	108.7	8.624	4.699	29.17	1.028	12.73
#3	2.188	419.3	87.83	108.9	8.646	4.699	29.04	1.025	12.75
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.583	1.845	3.809	6.775	2.327	F 10.51	1.983	1.076	F 14.81
Stddev	.0003	.005	.014	.0014	.007	.03	.007	.002	.03
%RSD	.2141	.2614	.3740	.2026	.3049	.2505	.3342	.2255	.1802
#1	.1579	1.841	3.795	6.785	2.328	10.52	1.989	1.076	14.84
#2	.1584	1.850	3.824	6.780	2.335	10.53	1.984	1.079	14.79
#3	.1586	1.846	3.807	6.759	2.320	10.48	1.976	1.074	14.80
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2462.3	6022.3	4727.1	4379.2					
Stddev	5.3	10.6	219.	6.6					
%RSD	.21447	.17615	.46429	.15039					
#1	2456.4	6031.0	4705.0	4384.7					
#2	2466.7	6010.5	4727.4	4380.8					
#3	2463.8	6025.3	4748.9	4371.9					

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Sample Name: FA32068-1 Acquired: 3/11/2016 8:50:51 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.122	279.7	1.071	3.462	0.112	112.3	0.337	1.817	7.067
Stddev	.0006	.4	.0008	.005	.0001	.5	.0002	.0004	.0028
%RSD	4.760	.1391	.7025	.1546	.7664	.4040	.4876	.2038	.4021
#1	.0126	279.8	1.079	3.461	.0113	112.7	.0336	1.821	7.099
#2	.0125	279.3	1.064	3.456	.0111	112.2	.0337	1.814	7.059
#3	.0116	280.1	1.069	3.467	.0112	111.9	.0339	1.814	7.044
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	8.896	417.3	93.12	101.7	F 8.652	0.296			

Sample Name: FA32068-2 Acquired: 3/11/2016 8:55:25 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0491	249.2	1.379	5.919	.0101	133.2	.0506	1.559	.9319
Stddev	.0011	3.1	.0031	.054	.0001	2.0	.0003	.0004	.0106
%RSD	2.306	1.254	2.219	.9078	1.340	1.521	.6003	.2288	1.135
#1	.0504	248.8	.1382	5.907	.0102	132.8	.0506	1.563	.9347
#2	.0482	252.6	.1348	5.978	.0101	135.5	.0503	1.557	.9202
#3	.0487	246.4	.1409	5.872	.0100	131.5	.0509	1.556	.9408
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.109	416.7	77.61	94.83	7.432	0.383	7.384	4.647	3.593
Stddev	.013	5.6	1.02	1.82	.102	.0006	.087	.0014	.017
%RSD	1.124	1.346	1.308	1.918	1.378	1.441	1.179	.2912	.4722
#1	1.112	415.8	77.48	94.40	7.441	.0385	7.385	4.658	3.609
#2	1.096	422.7	78.68	96.83	7.326	.0377	7.471	4.651	3.575
#3	1.120	411.6	76.67	93.27	7.530	.0387	7.297	4.631	3.594
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.010	0.002	3.830	2.157	1.616	9.854	0.016	0.7620	6.486
Stddev	.0024	.0009	.005	.0005	.017	.079	.0005	.0078	.013
%RSD	24.14	454.9	.1442	.2452	1.020	8.053	33.88	1.024	1.958
#1	.0076	.0007	3.836	2.157	1.614	9.899	.0018	.7655	6.498
#2	.0102	.0008	3.827	2.163	1.633	9.762	.0020	.7531	6.473
#3	.0125	.0009	3.826	2.152	1.600	9.901	.0010	.7675	6.489
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2524.0	6391.1	4993.4	4633.7					
Stddev	6.5	3.8	493.	87.0					
%RSD	.25873	.05939	.98659	1.8772					
#1	2519.6	6391.3	4967.2	4676.6					
#2	2531.5	6394.9	5050.2	4533.6					
#3	2520.9	6387.3	4962.8	4691.0					

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Sample Name: FA32068-3 Acquired: 3/11/2016 8:59:57 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0130	326.9	.1127	3.428	.0129	101.9	.0285	1.876	.7215
Stddev	.0013	1.4	.0018	.013	.0001	.6	.0004	.0005	.0023
%RSD	10.04	4.185	1.617	.3889	.7056	5.871	1.263	.2847	.3219
#1	.0131	325.3	.1129	3.413	.0128	101.2	.0289	1.880	.7196
#2	.0143	327.7	.1144	3.431	.0130	102.2	.0285	1.879	.7241
#3	.0117	327.6	.1108	3.440	.0129	102.2	.0282	1.870	.7209
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.041	462.5	99.75	113.8	8.612	0.249	5.237	4.561	1.779
Stddev	.002	2.2	.38	.6	.032	.0003	.020	.0011	.002
%RSD	.2121	.4698	.3771	.5214	.3692	1.171	.3810	.2399	.0939
#1	1.041	460.1	99.34	113.1	8.625	.0252	5.234	4.564	1.780
#2	1.039	464.1	99.83	114.2	8.635	.0248	5.258	4.570	1.777
#3	1.044	463.4	100.1	114.0	8.576	.0246	5.219	4.549	1.779
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0127	-0.0078	3.763	0.831	1.135	15.50	-0.0026	0.8887	3.609
Stddev	.0024	.0035	.005	.0002	.003	.03	.0048	.0027	.011
%RSD	18.76	44.12	.1213	.2365	.2793	2.195	186.7	3.069	3.148
#1	.0143	-0.0117	3.768	.0828	1.132	15.46	-0.0037	0.8893	3.620
#2	.0139	-0.0068	3.763	.0832	1.138	15.52	-0.0068	0.8911	3.611
#3	.0100	-0.0050	3.759	.0832	1.136	15.51	.0027	0.8858	3.597
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2510.5	6597.1	5158.6	4809.9					
Stddev	2.6	6.2	136.	9.2					
%RSD	.10303	.09326	.26273	.19037					
#1	2507.9	6590.1	5149.9	4819.9					
#2	2513.1	6600.2	5151.6	4802.0					
#3	2510.6	6601.2	5174.2	4807.7					

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7.1
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Sample Name: FA32068-4 Acquired: 3/11/2016 9:04:31 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0021	304.6	1.077	3.602	0.117	83.68	0.020	1.520	5.637
Stddev	.0003	.2	.0026	.005	.0001	.16	.0002	.0007	.0006
%RSD	13.04	.0714	2.418	.1300	1.094	.1936	1.060	.4551	1.066
#1	.0018	304.9	.1080	3.600	.0118	83.76	.0198	1.527	5.640
#2	.0024	304.5	.1101	3.598	.0115	83.78	.0199	1.513	5.642
#3	.0022	304.5	.1049	3.607	.0117	83.49	.0202	1.519	5.630
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.7594	427.7	88.99	102.4	6.147	0.240	7.498	3.954	2.397
Stddev	.0033	1.4	.04	.5	.026	.0003	.015	.0010	.004
%RSD	4.366	.3327	.0506	.5245	.4255	1.252	1.969	2.405	1.856
#1	.7590	429.2	89.04	102.8	6.118	.0237	7.497	3.965	2.398
#2	.7563	427.2	88.97	102.6	6.168	.0243	7.484	3.948	2.392
#3	.7629	426.5	88.96	101.8	6.157	.0240	7.514	3.950	2.400
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0121	-0.0068	3.876	0.689	0.919	15.36	-0.0016	0.8237	3.458
Stddev	.0022	.0015	.013	.0006	.0028	.04	.0011	.0010	.010
%RSD	18.16	21.79	.3398	.8915	.3016	2.586	70.66	1.275	2.997
#1	.0097	-0.0085	3.890	.0692	.9134	15.39	-0.0029	0.8243	3.469
#2	.0127	-0.0058	3.864	.0682	.9087	15.36	-0.0008	0.8225	3.448
#3	.0139	-0.0060	3.874	.0693	.9135	15.31	-0.0011	0.8244	3.458
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2546.5	6549.6	5120.8	4707.4					
Stddev	9.8	26.5	134.	21.3					
%RSD	.38374	.40477	.26121	.45175					
#1	2539.6	6521.5	5133.8	4717.8					
#2	2557.7	6574.1	5121.5	4682.9					
#3	2542.3	6553.4	5107.1	4721.4					

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Sample Name: FA32068-5 Acquired: 3/11/2016 9:09:05 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0151	255.1	1.039	3.281	0.110	135.0	0.0335	1.617	6.494
Stddev	.0008	.8	.0003	.003	.0001	.3	.0003	.0003	.0011
%RSD	5.403	.3189	2.777	.0750	1.203	2.309	1.014	2.141	1.708
#1	.0147	254.9	.1038	3.279	.0111	134.9	.0334	1.613	6.503
#2	.0146	256.0	.1036	3.283	.0109	135.4	.0331	1.618	6.482
#3	.0161	254.4	.1042	3.282	.0109	134.8	.0338	1.620	6.499
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.8905	404.5	82.74	110.0	7.727	0.265	4.310	4.351	1.555
Stddev	.0041	1.4	.14	.6	.042	.0001	.021	.0009	.007
%RSD	.4641	.3458	.1704	.5762	.5411	.4775	.4866	2.042	4.822
#1	.8889	404.2	82.59	109.6	7.731	.0267	4.293	4.344	1.559
#2	.8952	406.1	82.76	110.8	7.683	.0265	4.333	4.349	1.562
#3	.8874	403.3	82.87	109.7	7.766	.0264	4.303	4.361	1.573
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600			

Sample Name: CCV Acquired: 3/11/2016 9:13:38 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2535	39.58	2.093	2.043	1.999	38.80	2.079	2.075	2.011
Stddev	.0005	.16	.007	.007	.006	.11	.004	.004	.012
%RSD	.2107	.3953	.3173	.3239	.3204	.2841	.1951	.2038	.6091

#1	.2537	39.58	2.088	2.046	2.000	38.89	2.076	2.074	2.025
#2	.2540	39.42	2.100	2.036	1.992	38.68	2.083	2.080	2.002
#3	.2529	39.73	2.091	2.048	2.004	38.83	2.078	2.071	2.006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.053	38.66	40.07	37.73	2.038	2.098	40.83	2.104	2.016
Stddev	.007	.11	.11	.06	.011	.003	.11	.003	.004
%RSD	.3392	.2746	.2858	.1498	.5219	.1247	.2652	.1630	.2116

#1	2.058	38.63	40.06	37.67	2.026	2.096	40.88	2.101	2.011
#2	2.045	38.56	39.96	37.74	2.043	2.100	40.70	2.108	2.018
#3	2.056	38.77	40.19	37.78	2.046	2.097	40.90	2.104	2.018

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.118	2.099	2.056	2.082	2.085	2.087	2.055	2.075	2.004
Stddev	.004	.004	.004	.002	.006	.007	.005	.007	.006
%RSD	.2091	.1868	.1913	.0991	.2756	.3142	.2477	.3392	.2913

#1	2.118	2.097	2.056	2.080	2.086	2.094	2.050	2.082	2.000
#2	2.122	2.103	2.060	2.084	2.078	2.082	2.061	2.068	2.011
#3	2.113	2.095	2.052	2.082	2.090	2.084	2.055	2.073	2.002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/11/2016 9:13:38 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2495.1	5233.3	41616.	3852.0
Stddev	4.0	12.6	138.	17.0
%RSD	.16006	.24029	.33186	.44131

#1	2499.7	5238.7	41459.	3838.7
#2	2492.2	5218.9	41719.	3871.1
#3	2493.6	5242.2	41670.	3846.1

Sample Name: CCB Acquired: 3/11/2016 9:17:50 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0039	-0.015	.0001	.0000	.0003	.0000	.0001	.0001
Stddev	.0006	.0060	.0002	.0003	.000	.0056	.0000	.0001	.0000
%RSD	89.37	154.8	10.02	280.2	372.6	1799.	16.26	100.5	93.06

#1	.0004	.0100	-0.016	.0002	.0000	.0068	.0000	.0001	.0001
#2	.0003	-0.0021	-0.014	-0.002	.0000	-0.029	.0000	.0001	.0000
#3	.0013	.0038	-0.016	.0004	-0.001	-0.029	.0000	.0000	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0189	.0600	-0.046	.0001	.0007	.0381	.0001	-0.0001
Stddev	.0001	.0019	.0719	.0239	.0000	.0002	.0068	.0001	.0002
%RSD	22.35	10.28	119.9	515.6	18.43	26.22	17.75	137.1	295.3

#1	.0006	.0209	.0704	-0.0323	.0001	.0009	.0332	.0001	-0.0001
#2	.0004	.0187	.1261	.0089	.0001	.0006	.0352	.0000	.0001
#3	.0004	.0171	-0.166	.0095	.0001	.0006	.0458	.0000	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0006	.0009	.0026	-0.0002	.0001	.0011	.0006	.0002	-0.0002
Stddev	.0006	.0006	.0006	.0004	.0001	.0001	.0010	.0001	.0002
%RSD	87.13	66.83	23.55	222.8	168.4	9.486	166.7	37.66	72.31

#1	-0.0012	.0009	.0024	-0.0006	.0000	.0012	-0.0003	.0002	-0.0003
#2	-0.0001	.0003	.0021	-0.0001	.0001	.0011	.0016	.0001	-0.0003
#3	-0.0006	.0015	.0033	.0002	.0000	.0010	.0005	.0003	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/11/2016 9:17:50 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2926.9	5482.3	43621.	3837.9
Stddev	3.6	2.2	165.	14.5
%RSD	.12439	.04097	.37829	.37870

#1	2922.8	5481.1	43806.	3822.4
#2	2929.8	5484.9	43566.	3840.1
#3	2928.1	5480.8	43490.	3851.2

Sample Name: FA32068-6 Acquired: 3/11/2016 9:22:23 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0158	274.0	1782	5451	0101	165.7	0523	1649	7200
Stddev	.0009	.6	.0003	.006	.0001	.2	.0000	.0002	.0034
%RSD	5.562	.2009	.1735	.1023	.7578	.1042	.0324	.0990	.4725
#1	.0152	273.9	.1780	5.456	.0100	165.5	.0523	1650	.7218
#2	.0155	273.5	.1785	5.450	.0100	165.9	.0523	1647	.7222
#3	.0168	274.6	.1780	5.445	.0101	165.6	.0523	1649	.7161
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1422	454.3	80.18	98.58	6.879	0421	13.69	4384	4.099
Stddev	.003	.7	.11	.27	.023	.0005	.02	.0011	.020
%RSD	.1740	.1538	.1323	.2779	.3283	1.120	.1379	.2537	.4800
#1	1.423	454.4	80.10	98.87	6.891	.0423	13.70	4395	4.109
#2	1.419	453.5	80.14	98.32	6.893	.0415	13.67	4373	4.111
#3	1.423	454.9	80.30	98.55	6.853	.0423	13.71	4385	4.076
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0171	0130	4.077	1501	1.621	11.79	0009	7944	6.784
Stddev	.0020	.0025	.007	.0003	.003	.04	.0008	.0018	.028
%RSD	11.59	19.36	.1675	.2127	.2098	.2995	.9767	.2272	.4192
#1	.0149	.0108	4.079	.1498	1.624	11.83	.0000	.7960	6.810
#2	.0178	.0157	4.070	.1502	1.617	11.76	.0010	.7949	6.789
#3	.0187	.0125	4.083	.1504	1.622	11.78	.0017	.7924	6.754
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2498.5	6272.2	49120	4510.4					
Stddev	8.1	7.4	129.	11.4					
%RSD	.32604	.11782	.26221	.25175					
#1	2490.9	6263.6	48987.	4497.6					
#2	2497.4	6276.3	49131.	4514.6					
#3	2507.1	6276.6	49244.	4519.1					

7.1
7

Sample Name: FA32068-7 Acquired: 3/11/2016 9:26:57 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0255	245.9	1660	6519	0086	244.3	0852	1501	8547
Stddev	.0007	.9	.0013	.012	.0001	.9	.0003	.0003	.0036
%RSD	2.824	.3654	.7571	.1883	1.586	.3796	.3129	.1892	.4256
#1	.0259	244.9	.1655	6.505	.0087	243.8	.0852	1504	.8507
#2	.0260	246.1	.1651	6.524	.0086	243.9	.0855	1499	.8578
#3	.0247	246.7	.1675	6.528	.0084	245.4	.0850	1501	.8556
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1795	446.1	88.00	96.51	7.283	0338	16.88	4783	F 11.36
Stddev	.004	1.6	.17	.27	.038	.0004	.07	.0009	.02
%RSD	.2451	.3543	.1897	.2786	.5175	1.128	.3858	.1870	.1611
#1	1.793	444.7	87.82	96.30	7.276	.0342	16.81	4784	11.36
#2	1.800	445.7	88.07	96.42	7.324	.0338	16.88	4792	11.34
#3	1.792	447.8	88.13	96.81	7.250	.0334	16.94	4774	11.38
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0291	0063	4.320	2973	1.840	F 11.61	0015	7372	F 9.389
Stddev	.0035	.0042	.016	.0014	.007	.08	.0008	.0008	.025
%RSD	12.05	67.64	.3583	.4796	.3687	.6475	53.32	1.052	.2685
#1	.0281	.0110	4.310	.2976	1.833	11.53	.0015	.7363	9.418
#2	.0329	.0029	4.338	.2986	1.840	11.68	.0007	.7376	9.373
#3	.0261	.0049	4.313	.2958	1.847	11.61	.0023	.7378	9.375
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2476.5	6051.3	47481.	4377.6					
Stddev	4.8	8.9	214.	18.4					
%RSD	.19300	.14659	.45038	.41955					
#1	2480.5	6055.6	47609.	4387.4					
#2	2477.8	6041.1	47234.	4389.0					
#3	2471.2	6057.2	47601.	4356.4					

Sample Name: FA32068-8 Acquired: 3/11/2016 9:31:31 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0304	227.3	1589	6.091	0080	235.2	0979	1393	8592
Stddev	.0010	.6	.0010	.039	.0001	.9	.0003	.0005	.0026
%RSD	3.254	.2661	.6164	.6378	1.248	.3697	.3216	.3500	.3071
#1	.0315	227.5	.1580	6.076	.0080	236.1	.0977	1394	.8576
#2	.0295	227.9	.1587	6.135	.0080	235.3	.0978	1388	.8623
#3	.0303	226.7	.1599	6.062	.0081	234.3	.0983	1398	.8577
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1830	445.8	80.90	89.68	6.573	0335	30.27	4374	5.241
Stddev	.011	.6	.28	.44	.036	.0002	.07	.0004	.007
%RSD	.6024	.1342	.3442	.4919	.5413	.5175	.2404	.0980	.1272
#1	1.824	446.2	81.07	90.19	6.546	.0335	30.28	4373	5.234
#2	1.842	446.0	81.05	89.45	6.613	.0334	30.33	4371	5.245
#3	1.822	445.1	80.58	89.41	6.559	.0337	30.19	4379	5.245
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0198	0139	4.681	3038	1.915	F 10.64	0006	6777	F 9.235
Stddev	.0035	.0044	.005	.0002	.007	.05	.0054	.0017	.007
%RSD	17.83	32.08	.1009	.0589	.3887	.4425	952.5	.2571	.0753
#1	.0166	.0180	4.684	.3038	1.908	10.60	-.0013	6791	9.234
#2	.0192	.0144	4.684	.3036	1.923	10.69	-.0055	6783	9.228
#3	.0236	.0091	4.676	.3039	1.914	10.63	.0051	6757	9.242
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2478.0	5972.5	47137.	4354.8					
Stddev	4.9	9.2	120.	37.4					
%RSD	.19857	.15444	.25401	.85955					
#1	2483.5	5982.1	47215.	4313.4					
#2	2473.9	5963.6	46999.	4364.5					
#3	2476.7	5971.8	47198.	4386.4					

Sample Name: FA32068-10 Acquired: 3/11/2016 9:36:04 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0060	348.7	1150	3.862	0142	107.0	0218	2064	6497
Stddev	.0004	2.4	.0008	.029	.0000	.7	.0005	.0005	.0022
%RSD	6.082	.6759	.6604	.7430	.3439	.6655	2.493	2.420	.3322
#1	.0060	345.9	.1147	3.829	.0141	106.2	.0225	2070	.6505
#2	.0064	350.2	.1143	3.872	.0141	107.2	.0215	2063	.6473
#3	.0057	349.9	.1158	3.884	.0142	107.5	.0215	2060	.6513
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	8243	496.5	107.3	125.9	F 9.308	0259	7.114	4957	8739
Stddev	.0011	2.9	.8	.6	.063	.0001	.043	.0014	.0034
%RSD	.1342	.5911	.7179	.4418	.6752	.1965	.6053	.2828	.3879
#1	.8237	493.1	106.4	125.3	9.340	.0259	7.065	4960	.8751
#2	.8235	498.5	107.6	126.					

Sample Name: FA32068-11 Acquired: 3/11/2016 9:40:39 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	333.2	.0996	3.593	.0134	96.45	.0191	1.995	.5722
Stddev	.0010	.7	.0023	.006	.0001	.20	.0001	.0007	.0012
%RSD	568.0	.1970	2.310	.1817	1.026	.2086	.5071	.3259	.2066
#1	-.0013	334.0	.0970	3.598	.0132	96.58	.0192	2.001	.5726
#2	-.0002	332.9	.1014	3.595	.0134	96.56	.0190	1.988	.5709
#3	.0006	332.8	.1003	3.585	.0135	96.22	.0191	1.995	.5732
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6639	470.1	113.6	120.0	F 8.878	.0290	6.602	4.815	.2567
Stddev	.0031	.5	.3	.5	.037	.0004	.005	.0014	.0021
%RSD	.4607	.1038	.2215	.4560	.4168	1.327	.0831	.2857	.8118
#1	.6605	470.7	113.9	120.5	8.848	.0291	6.604	4.830	.2579
#2	.6665	469.7	113.4	120.0	8.868	.0294	6.596	4.803	.2543
#3	.6646	469.9	113.6	119.5	8.919	.0286	6.607	4.812	.2580
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0031	-0.063	3.658	.0246	1.174	F 13.84	.0004	.8979	1.658
Stddev	.0007	.0028	.009	.0006	.000	.06	.0023	.0007	.004
%RSD	21.91	44.25	.2319	2.603	.0280	4.632	517.1	0.805	.2509
#1	.0031	-.0074	3.666	.0239	1.174	13.76	.0028	.8983	1.662
#2	.0024	-.0032	3.659	.0251	1.174	13.87	.0003	.8983	1.654
#3	.0038	-.0085	3.649	.0248	1.175	13.88	-.0018	.8971	1.656
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2503.1	6841.8	53940.	4991.5					
Stddev	7.5	10.5	282.	13.2					
%RSD	.29986	.15320	.52272	.26476					
#1	2496.1	6829.7	54179.	4979.3					
#2	2502.4	6848.4	54011.	5005.5					
#3	2511.0	6847.2	53629.	4989.6					

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Sample Name: FA32068-12 Acquired: 3/11/2016 9:45:13 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0005	331.4	.0995	3.542	.0139	98.69	.0191	1.282	.5805
Stddev	.0001	.5	.0007	.003	.0002	.27	.0003	.0002	.0015
%RSD	25.85	.1394	.6853	.0864	1.131	.2780	1.529	.0830	.2526
#1	.0004	331.5	.0989	3.543	.0138	98.75	.0187	1.281	.5816
#2	.0006	330.9	.1002	3.539	.0138	98.40	.0193	1.284	.5788
#3	.0006	331.8	.0993	3.545	.0140	98.94	.0192	1.281	.5810
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6130	480.4	112.8	122.5	F 9.140	.0311	7.853	4.905	.2008
Stddev	.0016	1.4	.1	.3	.045	.0007	.027	.0010	.0006
%RSD	.2539	.2877	.0851	.2856	.4922	2.283	.3488	.2116	.2910
#1	.6136	481.3	112.7	122.8	9.192	.0313	7.845	4.898	.2015
#2	.6112	478.8	112.9	122.1	9.117	.0303	7.830	4.917	.2044
#3	.6142	480.9	112.9	122.7	9.111	.0316	7.883	4.900	.2004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0021	-0.008	3.167	.0215	1.196	F 13.23	.0027	.9135	1.483
Stddev	.0020	.0018	.004	.0005	.001	.07	.0033	.0013	.001
%RSD	91.60	21.71	.112	2.524	.0937	5.205	121.4	1.461	.0578
#1	.0013	-.0088	3.167	.0217	1.197	13.28	.0054	.9139	1.483
#2	.0044	-.0094	3.163	.0219	1.195	13.15	-.0009	.9146	1.482
#3	.0007	-.0061	3.170	.0209	1.196	13.26	.0036	.9120	1.484
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2483.8	6862.9	54092.	5022.8					
Stddev	4.5	3.4	165.	20.1					
%RSD	.18010	.04923	.30546	.39954					
#1	2487.9	6866.6	53938.	4999.9					
#2	2484.5	6860.1	54266.	5037.5					
#3	2479.1	6862.1	54071.	5030.9					

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Sample Name: FA32068-13 Acquired: 3/11/2016 9:49:48 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0229	243.6	.1730	5.795	.0087	203.7	.0834	1.551	.8161
Stddev	.0005	.6	.0025	.020	.0002	1.0	.0001	.0002	.0028
%RSD	1.968	.2663	1.438	.3445	2.451	.5080	.1677	.1479	.3481
#1	.0229	243.0	.1723	5.813	.0089	202.6	.0833	1.549	.8192
#2	.0233	243.4	.1709	5.774	.0085	203.7	.0835	1.553	.8135
#3	.0224	244.3	.1757	5.800	.0086	204.7	.0833	1.551	.8156
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.869	455.4	79.11	101.7	F 8.462	.0313	9.719	5.033	5.535
Stddev	.008	1.9	.25	.8	.049	.0004	.016	.0006	.004
%RSD	4.176	.4212	.3184	.7573	.5748	1.295	.1635	.1173	.0796
#1	1.860	453.3	78.97	100.9	8.449	.0309	9.731	.5027	5.535
#2	1.872	455.7	78.95	101.9	8.515	.0316	9.701	.5039	5.539
#3	1.875	457.1	79.40	102.4	8.421	.0316	9.726	.5032	5.531
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0469	.0040	3.701	.2442	1.572	F 10.65	.0002	.7370	F 8.316
Stddev	.0052	.0023	.010	.0010	.003	.08	.0030	.0012	.013
%RSD	11.04	58.21	.2607	.4296	.1562	.7530	1820.	.1569	.1515
#1	.0419	.0058	3.694	.2435	1.569	10.60	-.0033	.7362	8.301
#2	.0523	.0014	3.712	.2438	1.574	10.74	.0020	.7364	8.323
#3	.0465	.0048	3.698	.2454	1.573	10.60	.0019	.7383	8.323
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2501.4	6005.5	47594.	4429.1					
Stddev	.6	2.0	177.	36.0					
%RSD	.02557	.03280	.37139	.81346					
#1	2501.4	6007.6	47663.	4470.7					
#2	2502.0	6005.3	47393.	4408.9					
#3	2500.7	6003.7	47726.	4407.7					

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Sample Name: FA32068-14 Acquired: 3/11/2016 9:54:22 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.1965	231.7	.4777	F 11.28	.0100	144.6	.0888	.1215	5.254
Stddev	.0014	.4	.0010	.13	.0000	.1	.0003	.0003	.009
%RSD	.6964	.1539	.2131	1.166	.2018	.0977	.3361	.2114	.1789
#1	.1980	231.7	.4772	11.43	.0101	144.6	.0888	.1215	5.263
#2	.1952	231.3	.4770	11.19	.0100	144.5	.0890	.1218	5.244
#3	.1965	232.0	.4788	11.22	.0100	144.8	.0885	.1213	5.256
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	4.345	430.5	50.07	53.91	4.478	.1975	10.45	3.575	F 14.96
Stddev	.006	.4	.11	.					

Sample Name: FA32068-15 Acquired: 3/11/2016 9:59:02 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0034	300.0	.1797	3.622	.0118	79.46	.0263	1.844	.8837
Stddev	.0008	.1	.0024	.005	.0000	.17	.0006	.0021	.0026
%RSD	23.52	.0490	1.338	.1312	.1661	.2141	2.372	1.116	.2963
#1	.0035	299.8	.1775	3.626	.0118	79.26	.0257	1.822	.8813
#2	.0041	299.9	.1822	3.617	.0118	79.57	.0262	1.846	.8833
#3	.0025	300.1	.1793	3.622	.0118	79.54	.0270	1.863	.8865
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.134	440.0	101.2	98.05	6.506	12.84	6.268	4.076	6.765
Stddev	.002	.3	.1	.48	.037	.0007	.042	.0041	.0099
%RSD	.1457	.0642	.0494	.4857	.5726	1.033	.6697	1.006	1.457
#1	1.136	440.2	101.2	97.52	6.464	12.80	6.297	4.034	6.651
#2	1.134	439.7	101.2	98.43	6.535	12.81	6.220	4.079	6.819
#3	1.133	440.2	101.3	98.20	6.519	12.81	6.286	4.116	6.825
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0073	.0038	3.855	.0424	8.130	12.84	6.268	4.076	6.765
Stddev	.0043	.0036	.037	.0008	.0029	.06	.0035	.0042	.029
%RSD	58.59	95.27	.9671	1.975	.3543	4.469	224.8	4.403	1.003
#1	.0086	-.0010	3.817	.0415	8.134	12.80	6.268	4.076	6.765
#2	.0026	-.0025	3.856	.0426	8.099	12.81	6.268	4.076	6.765
#3	.0109	-.0079	3.891	.0431	8.156	12.91	6.268	4.076	6.765
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2516.1	6643.7	5299.2	4904.9					
Stddev	20.9	55.5	224.	22.7					
%RSD	.83010	.83570	.42268	.46270					
#1	2539.5	6700.1	5315.3	4917.6					
#2	2509.6	6642.0	5308.7	4878.7					
#3	2499.3	6589.1	5273.6	4918.5					

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Sample Name: FA32068-16 Acquired: 3/11/2016 10:03:37 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0286	283.5	.2031	6.800	.0105	210.6	.0624	1.659	1.033
Stddev	.0004	2.5	.0011	.052	.0002	1.3	.0008	.0005	.015
%RSD	1.233	.8684	.5443	.7639	1.657	.5971	1.302	.3236	1.457
#1	.0290	286.3	.2024	6.860	.0103	211.9	.0615	1.652	1.016
#2	.0283	282.2	.2044	6.767	.0106	210.3	.0628	1.662	1.040
#3	.0287	281.9	.2026	6.773	.0105	209.5	.0630	1.662	1.043
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.833	509.4	82.88	102.5	7.471	12.84	6.268	4.076	6.765
Stddev	.012	4.6	.45	.7	.083	.0006	.14	.0013	.046
%RSD	.6664	.8986	.5375	.6856	1.104	.8768	.8458	.2550	.6155
#1	1.819	514.4	83.39	103.2	7.379	12.84	6.268	4.076	6.765
#2	1.841	508.3	82.63	102.5	7.539	12.84	6.268	4.076	6.765
#3	1.839	505.4	82.62	101.8	7.494	12.84	6.268	4.076	6.765
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0207	.0254	5.793	.2412	2.245	11.85	.0032	8.498	7.897
Stddev	.0013	.0021	.023	.0014	.022	.12	.0038	.0111	.040
%RSD	6.275	8.324	.3900	.5821	1.004	.9787	118.3	1.311	.5041
#1	.0196	.0231	5.767	.2397	2.271	11.73	.0072	8.370	7.854
#2	.0204	.0259	5.803	.2425	2.235	11.96	-.0004	8.552	7.933
#3	.0221	.0273	5.809	.2413	2.229	11.87	.0029	8.572	7.905
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2461.7	6176.4	4877.8	4589.3					
Stddev	10.8	17.5	548.	19.7					
%RSD	.43839	.28310	1.1241	.42913					
#1	2473.5	6195.8	4940.9	4567.9					
#2	2459.3	6171.6	4842.7	4593.3					
#3	2452.4	6161.8	4849.6	4606.7					

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7.1
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Sample Name: CCV Acquired: 3/11/2016 10:08:09 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.555	40.07	2.120	2.061	2.026	39.10	2.098	2.098	2.038
Stddev	.0009	.14	.004	.012	.004	.09	.003	.003	.003
%RSD	.3534	.3548	.1801	.5720	.2004	.2279	.1184	.1309	.1659
#1	.2545	40.23	2.123	2.073	2.029	39.20	2.100	2.100	2.038
#2	.2559	39.96	2.116	2.050	2.028	39.08	2.096	2.095	2.041
#3	.2561	40.04	2.120	2.059	2.021	39.02	2.100	2.099	2.035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.060	39.10	40.62	38.23	2.071	2.129	41.18	2.126	2.023
Stddev	.002	.05	.22	.09	.007	.002	.09	.004	.003
%RSD	.0796	.1176	.5466	.2348	.3366	.0717	.2079	.1849	.1614
#1	2.082	39.13	40.87	38.17	2.065	2.130	41.27	2.128	2.027
#2	2.079	39.12	40.54	38.33	2.068	2.128	41.11	2.121	2.021
#3	2.079	39.05	40.45	38.18	2.079	2.131	41.16	2.128	2.022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.148	2.123	2.091	2.095	2.111	2.123	2.074	2.097	2.016
Stddev	.004	.006	.003	.003	.004	.003	.003	.003	.002
%RSD	.2061	.2649	.1454	.1306	.1800	.1593	.1301	.1303	.0934
#1	2.154	2.128	2.094	2.098	2.114	2.124	2.076	2.094	2.018
#2	2.146	2.117	2.088	2.092	2.107	2.125	2.071	2.099	2.015
#3	2.145	2.125	2.091	2.096	2.111	2.119	2.076	2.098	2.015
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 3/11/2016 10:08:09 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2471.8	5161.4	4123.2	3797.4					
Stddev	5.6	5.2	136.	14.3					
%RSD	.22815	.10054	.33086	.37772					
#1	2478.2	5164.5	41165.	3806.0					
#2	2467.4	5164.4	41143.	3780.9					
#3	2469.9	5155.5	41389.	3805.4					

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Sample Name: CCB Acquired: 3/11/2016 10:12:26 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0056	-.0005	.0000	-.0001	.0014	.0000	.0001	.0000
Stddev	.0002	.0081	.0006	.000	.0000	.0054	.000	.0000	.000
%RSD	410.6	144.3	113.1	2976.	44.81	384.2	60.62	76.84	1769.
#1	.0002	-.0031	-.0006	.0001	-.0001	-.0040	.0000	.0000	-.0003
#2	-.0001	.0128	.0001	-.0003	-.0001	.0014	.0000	.0001	.0000
#3	.0000	.0071	-.0010	-.0005	.0000	.0068	.0000	.0000	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0134	.0778	-.0173	.0001	.0006	.0369	.0001	.0002
Stddev	.0001	.0025	.0513	.0134	.0000	.0002	.0049	.0001	.0004
%RSD	19.31	18.59	65.97	77.36	41.03	36.52	13.27	97.33	152.7
#1	.0004	.0163	.1218	-.0321	.0001	.0008	.0401	.0001	.0000
#2	.0005	.0123	.0901	-.0062	.0000	.0006	.0393	.0002	.0001
#3	.0005	.0117	.0214	-.0135	.0001	.0004	.0313	.0000	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0012	.0010	.0026	-.0002	.0000	.0010	.0009	.0000	-.0003
Stddev	.0003	.0008	.0005	.0001	.0000	.0001	.0003	.0002	.0000
%RSD	23.51	79.40	17.82	49.15	155.0	6.238	30.29	405.6	13.45
#1	-.0015	.0019	.0026	-.0001	.0000	.0010	.0008	.0002	-.0003
#2	-.0011	.0006	.0021	-.0003	.0001	.0009	.0012	.0000	-.0003
#3	-.0010	.0004	.0030	-.0002	.0000	.0010	.0007	-.0001	-.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/11/2016 10:12:26 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2966.4	5557.2	43983.	3854.2
Stddev	19.8	37.2	829.	82.2
%RSD	.66857	.67027	1.8854	2.1330
#1	2960.9	5549.8	43658.	3771.4
#2	2988.3	5597.6	44926.	3855.4
#3	2949.8	5524.2	43366.	3935.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0134	.0778	-.0173	.0001	.0006	.0369	.0001	.0002
Stddev	.0001	.0025	.0513	.0134	.0000	.0002	.0049	.0001	.0004
%RSD	19.31	18.59	65.97	77.36	41.03	36.52	13.27	97.33	152.7
#1	.0004	.0163	.1218	-.0321	.0001	.0008	.0401	.0001	.0000
#2	.0005	.0123	.0901	-.0062	.0000	.0006	.0393	.0002	.0001
#3	.0005	.0117	.0214	-.0135	.0001	.0004	.0313	.0000	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0012	.0010	.0026	-.0002	.0000	.0010	.0009	.0000	-.0003
Stddev	.0003	.0008	.0005	.0001	.0000	.0001	.0003	.0002	.0000
%RSD	23.51	79.40	17.82	49.15	155.0	6.238	30.29	405.6	13.45
#1	-.0015	.0019	.0026	-.0001	.0000	.0010	.0008	.0002	-.0003
#2	-.0011	.0006	.0021	-.0003	.0001	.0009	.0012	.0000	-.0003
#3	-.0010	.0004	.0030	-.0002	.0000	.0010	.0007	-.0001	-.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: FA32069-1 Acquired: 3/11/2016 10:16:59 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0353	249.6	.1017	3.563	.0100	119.0	.0284	.1582	.6075
Stddev	.0008	2.9	.0021	.042	.0002	1.5	.0011	.0018	.0056
%RSD	2.398	1.166	2.047	1.177	1.572	1.219	3.799	1.138	.9295
#1	.0354	250.7	.1016	3.578	.0099	119.4	.0279	.1575	.6035
#2	.0360	251.7	.0997	3.596	.0101	120.2	.0276	.1569	.6140
#3	.0343	246.3	.1038	3.516	.0099	117.4	.0296	.1603	.6052

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.8318	390.6	87.49	91.80	7.579	.0332	10.98	4512	2.412
Stddev	.0018	4.2	1.10	.95	.081	.0002	.16	.0048	.046
%RSD	.2221	1.068	1.260	1.034	1.069	.7239	1.448	1.066	1.900
#1	.8339	392.0	88.05	92.20	7.522	.0332	11.05	.4485	2.387
#2	.8309	393.9	88.20	92.49	7.672	.0330	11.09	.4484	2.385
#3	.8306	385.9	86.22	90.72	7.544	.0335	10.80	.4567	2.465

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0142	-.0013	4.628	.0877	1.193	11.11	.0001	.7569	3.407
Stddev	.0007	.0001	.051	.0017	.012	.06	.0028	.0052	.040
%RSD	4.977	8.239	1.108	1.949	.9743	.5641	1955.	.6848	1.163
#1	.0150	-.0012	4.604	.0869	1.197	11.04	.0017	.7540	3.385
#2	.0138	-.0013	4.593	.0866	1.202	11.16	.0017	.7628	3.384
#3	.0138	-.0013	4.686	.0897	1.180	11.13	-.0031	.7538	3.453

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2506.2	6390.7	50389.	4643.8
Stddev	31.1	52.9	354.	43.8
%RSD	1.2421	.82819	.70265	.94402
#1	2521.2	6424.7	50653.	4616.9
#2	2527.0	6417.7	49987.	4620.1
#3	2470.5	6329.8	50528.	4694.4

Sample Name: FA32069-2 Acquired: 3/11/2016 10:21:35 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0234	250.0	.1057	3.637	.0097	140.8	.0236	.1564	.5796
Stddev	.0007	.8	.0014	.024	.0001	.8	.0001	.0003	.0049
%RSD	2.794	.3275	1.294	.6644	.5173	.5488	.5152	.1759	.8491
#1	.0232	250.2	.1070	3.639	.0097	140.9	.0236	.1563	.5850
#2	.0242	250.7	.1042	3.661	.0098	141.5	.0235	.1567	.5784
#3	.0229	249.1	.1058	3.612	.0098	140.0	.0238	.1561	.5754

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.9049	379.5	84.64	97.84	7.147	.0320	8.011	4563	2.134
Stddev	.0033	1.2	.18	.31	.047	.0004	.045	.0016	.007
%RSD	.3594	.3093	.2160	.3209	.6617	1.304	.5648	.3455	.3529
#1	.9073	379.9	84.79	97.68	7.199	.0317	8.061	.4553	2.126
#2	.9012	380.3	84.69	98.20	7.106	.0324	7.999	.4581	2.140
#3	.9061	378.1	84.43	97.64	7.135	.0318	7.973	.4555	2.138

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0105	.0019	4.720	.0834	1.418	10.82	-.0025	.6951	3.624
Stddev	.0036	.0016	.011	.0003	.005	.05	.0015	.0050	.008
%RSD	34.14	80.93	.2409	.3846	.3825	.4829	59.94	.7122	.2188
#1	.0121	.0003	4.718	.0838	1.421	10.87	-.0009	.7008	3.618
#2	.0131	.0035	4.732	.0832	1.422	10.77	-.0029	.6915	3.633
#3	.0064	.0020	4.710	.0833	1.412	10.80	-.0038	.6930	3.620

Sample Name: FA32069-3 Acquired: 3/11/2016 10:26:10 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.1050	276.7	.1193	4.467	.0112	144.7	.0270	.1699	.6303
Stddev	.0021	.7	.0018	.017	.0002	.7	.0010	.0023	.0095
%RSD	2.035	.2520	1.506	.3815	1.668	.4541	3.534	1.336	1.507
#1	.1051	277.3	.1214	4.475	.0112	145.3	.0263	.1683	.6282
#2	.1071	277.0	.1186	4.478	.0114	144.8	.0266	.1688	.6407
#3	.1029	275.9	.1180	4.447	.0110	144.0	.0281	.1725	.6221
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7889	433.0	94.16	110.5	F 8.304	.0330	5.505	.4597	3.822
Stddev	.0116	1.1	.42	.3	.071	.0009	.044	.0046	.053
%RSD	1.469	.2584	.4424	.2649	.8594	2.633	.8069	.9945	1.400
#1	.7868	434.0	94.52	110.7	8.306	.0327	5.503	.4556	3.781
#2	.8014	433.2	94.25	110.5	8.375	.0323	5.550	.4588	3.802
#3	.7785	431.8	93.70	110.1	8.232	.0339	5.461	.4646	3.882
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0066	-.0062	4.203	1.052	1.494	F 12.16	-.0004	.7733	4.173
Stddev	.0014	.0057	.048	.0023	.004	.20	.0023	.0136	.044
%RSD	21.32	90.99	1.130	2.162	.2587	1.604	579.2	1.762	1.046
#1	.0057	-.0127	4.167	.1041	1.495	12.11	-.0010	.7688	4.140
#2	.0082	-.0024	4.186	.1037	1.496	12.37	.0021	.7886	4.156
#3	.0059	-.0035	4.257	.1078	1.489	11.99	-.0024	.7624	4.222
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2468.9	6508.0	5101.3	4697.6					
Stddev	33.1	65.2	760.	31.2					
%RSD	1.3397	1.0023	1.4904	.66379					
#1	2493.9	6557.9	51189.	4674.2					
#2	2481.4	6532.0	50180.	4685.7					
#3	2431.4	6434.2	51670.	4733.0					

Sample Name: FA32069-4 Acquired: 3/11/2016 10:33:15 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.1199	263.2	.1007	3.831	.0104	114.4	.0264	.1686	.6400
Stddev	.0006	.4	.0012	.004	.0001	.1	.0002	.0006	.0023
%RSD	.5245	.1464	1.177	.0958	.6322	.0778	.9247	.3675	.3609
#1	.1192	263.7	.1018	3.832	.0104	114.4	.0262	.1685	.6380
#2	.1201	262.9	.1009	3.827	.0104	114.3	.0267	.1692	.6395
#3	.1203	263.1	.0994	3.834	.0105	114.5	.0262	.1680	.6425
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7675	403.3	92.35	103.4	7.852	.0293	4.773	4.486	4.162
Stddev	.0011	.5	.07	.1	.050	.0004	.028	.0010	.023
%RSD	.1445	.1166	.0723	.0968	.6348	1.351	.5938	.2270	.5476
#1	.7685	403.4	92.28	103.3	7.801	.0292	4.782	4.478	4.146
#2	.7678	402.7	92.38	103.5	7.900	.0297	4.741	4.482	4.188
#3	.7663	403.7	92.40	103.4	7.855	.0289	4.796	4.497	4.153
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0129	-.0063	4.801	1.232	1.292	F 12.21	-.0009	.7520	3.650
Stddev	.0028	.0048	.005	.0011	.002	.08	.0019	.0028	.018
%RSD	21.35	76.23	1.119	.9091	.1794	.6405	223.6	.3705	.5021
#1	.0107	-.0036	4.797	.1225	1.293	12.13	.0013	.7499	3.636
#2	.0160	-.0118	4.807	.1245	1.290	12.21	-.0013	.7508	3.671
#3	.0121	-.0035	4.798	.1226	1.295	12.28	-.0025	.7551	3.643
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2486.6	6387.1	5010.3	4620.5					
Stddev	5.1	7.8	184.	20.0					
%RSD	.20665	.12248	.36677	.43291					
#1	2491.5	6396.1	5031.1	4605.7					
#2	2481.2	6381.7	5003.8	4612.6					
#3	2487.0	6383.6	4996.1	4643.3					

Sample Name: CCV Acquired: 3/11/2016 11:04:28 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2545	40.04	2.132	2.057	2.025	39.16	2.113	2.104	2.048
Stddev	.0012	.08	.004	.006	.003	.06	.002	.003	.002
%RSD	.4668	.2085	.1719	.3167	.1410	.1592	.1120	.1371	.1026
#1	.2537	40.01	2.129	2.054	2.023	39.11	2.111	2.100	2.046
#2	.2558	40.13	2.130	2.065	2.028	39.23	2.112	2.105	2.050
#3	.2538	39.97	2.136	2.054	2.024	39.14	2.116	2.105	2.048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.058	39.06	40.46	38.03	2.093	2.130	41.02	2.139	2.033
Stddev	.006	.04	.10	.05	.006	.003	.07	.004	.008
%RSD	.3087	.0912	.2417	.1214	.2832	.1230	.1607	.1888	.3859
#1	2.052	39.02	40.51	38.09	2.087	2.127	41.03	2.135	2.036
#2	2.058	39.08	40.52	38.00	2.098	2.131	41.09	2.140	2.024
#3	2.064	39.09	40.35	38.01	2.095	2.132	40.96	2.143	2.038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.142	2.129	2.091	2.101	2.111	2.125	2.068	2.111	2.030
Stddev	.003	.004	.003	.004	.002	.005	.002	.004	.001
%RSD	.1552	.1809	.1319	.2055	.1020	.2416	.0886	.2076	.0701
#1	2.140	2.128	2.088	2.097	2.109	2.120	2.067	2.107	2.031
#2	2.146	2.134	2.093	2.100	2.113	2.130	2.071	2.116	2.028
#3	2.141	2.126	2.092	2.106	2.111	2.125	2.068	2.110	2.031
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

Sample Name: CCV Acquired: 3/11/2016 11:04:28 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2435.1	5106.5	40618.	3774.4					
Stddev	3.6	11.8	73.	11.7					
%RSD	.14663	.23121	.17992	.31018					
#1	2437.2	5120.1	40675.	3761.3					
#2	2437.2	5099.9	40536.	3777.9					
#3	2431.0	5099.4	40644.	3783.9					

Sample Name: CCB Acquired: 3/11/2016 11:08:40 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0035	-0.002	.0000	.0000	-0.005	.0000	.0000	.0001
Stddev	.0003	.0042	.0002	.0003	.0001	.0036	.0000	.0000	.0001
%RSD	90.61	120.8	83.19	1627.	256.7	676.6	90.11	99.29	177.0
#1	.0000	.0072	-.0004	.0003	.0001	-.0025	.0000	.0001	.0001
#2	.0006	.0044	-.0001	-.0003	.0000	-.0045	.0001	.0000	.0001
#3	.0005	-.0011	-.0001	.0001	.0000	.0004	.0000	.0001	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0054	.1203	.0088	.0000	.0007	.0690	-0.0001	-0.0001
Stddev	.0001	.0022	.0236	.0359	.0000	.0002	.0096	.0002	.0005
%RSD	34.33	41.07	19.62	409.7	160.8	26.71	13.86	346.8	644.5
#1	.0002	.0079	.1461	-.0301	.0001	.0010	.0660	.0001	.0004
#2	.0003	.0044	.0999	.0407	.0000	.0007	.0797	-0.0003	-0.0002
#3	.0003	.0039	.1149	.0157	.0000	.0006	.0613	.0000	-0.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0020	.0005	.0017	-0.0003	.0000	.0006	.0004	.0003	-0.0002
Stddev	.0012	.0012	.0005	.0002	.000	.0000	.0005	.0002	.0001
%RSD	62.65	256.5	27.28	66.93	2194.	6.870	126.9	63.01	22.99
#1	-.0017	.0016	.0012	-.0001	-.0001	.0006	.0005	.0001	-.0002
#2	-.0033	.0006	.0018	-.0002	.0000	.0006	-.0001	.0004	-0.0002
#3	-.0009	-.0008	.0021	-.0004	.0001	.0006	.0008	.0002	-0.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/11/2016 11:08:40 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2875.9	5387.8	43011.	3821.0
Stddev	8.1	9.5	94.	4.1
%RSD	.28213	.17627	.21953	.10786
#1	2879.8	5396.2	42939.	3817.5
#2	2881.2	5389.8	43118.	3825.6
#3	2866.5	5377.5	42976.	3820.0

7.1
7

Sample Name: CCV Acquired: 3/11/2016 13:23:02 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2494	39.85	1.966	1.987	2.006	40.75	2.020	2.005	2.055
Stddev	.0008	.08	.022	.006	.004	.13	.020	.019	.009
%RSD	.3388	.1974	1.110	.2810	.2093	.3113	.9872	.9481	.4194
#1	.2485	39.76	1.978	1.981	2.002	40.62	2.029	2.013	2.045
#2	.2502	39.87	1.980	1.992	2.005	40.75	2.034	2.018	2.062
#3	.2494	39.91	1.941	1.988	2.010	40.88	1.997	1.983	2.057

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.966	39.62	39.80	40.79	2.061	2.008	38.58	2.008	2.008
Stddev	.006	.04	.07	.20	.012	.019	.14	.020	.017
%RSD	.3230	.1116	.1767	.4899	.6010	.9342	.3631	.9804	.8344
#1	1.979	39.58	39.72	40.75	2.048	2.015	38.42	2.018	2.008
#2	1.992	39.61	39.86	40.60	2.072	2.022	38.65	2.020	2.024
#3	1.988	39.67	39.83	41.00	2.062	1.987	38.67	1.985	1.990

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.945	1.968	1.905	2.051	1.993	2.039	2.004	2.042	2.046
Stddev	.022	.021	.019	.019	.005	.009	.018	.005	.016
%RSD	1.124	1.041	1.008	.9187	.2550	.4203	.9095	.2545	.7688
#1	1.955	1.978	1.913	2.060	1.987	2.029	2.007	2.036	2.051
#2	1.960	1.981	1.920	2.063	1.996	2.046	2.020	2.047	2.058
#3	1.920	1.944	1.884	2.029	1.996	2.042	1.984	2.042	2.028

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/11/2016 13:23:02 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2392.7	5085.6	39617.	3602.8
Stddev	14.6	40.3	225.	8.1
%RSD	.60921	.79238	.56680	.22600
#1	2387.6	5056.2	39863.	3602.5
#2	2381.3	5069.1	39424.	3611.1
#3	2409.1	5131.6	39564.	3594.8

Sample Name: CCB Acquired: 3/11/2016 13:27:13 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0078	.0007	.0005	.0002	.0043	.0001	.0002	.0002
Stddev	.001	.0056	.0004	.0001	.0001	.0025	.0000	.0000	.0001
%RSD	1119.	72.15	68.17	25.85	48.21	57.24	31.01	17.82	38.25
#1	-.0006	.0025	.0008	.0004	.0003	.0021	.0001	.0002	.0003
#2	.0001	.0137	.0001	.0004	.0002	.0070	.0001	.0002	.0001
#3	.0004	.0072	.0010	.0006	.0001	.0039	.0001	.0002	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0145	.2466	-.0136	.0002	F-.0013	.3239	.0000	-.0004
Stddev	.0002	.0037	.0279	.0185	.0000	.0003	.0176	.0002	.0001
%RSD	197.0	25.87	11.32	136.0	23.90	21.51	5.422	332.7	22.66
#1	-.0003	.0188	.2144	-.0292	.0002	.0016	.3438	-.0001	-.0005
#2	.0001	.0130	.2638	.0069	.0001	.0013	.3177	.0000	-.0003
#3	.0000	.0117	.2616	-.0185	.0001	.0010	.3104	.0002	-.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit .0010
 Low Limit -.0010

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0004	-.0003	.0000	.0002	.0006	-.0002	.0001	.0000
Stddev	.0004	.0016	.0005	.000	.0000	.0001	.0006	.0001	.0000
%RSD	88.46	408.7	149.2	428.9	17.32	11.42	289.8	96.70	153.4
#1	.0000	-.0007	.0002	.0001	.0002	.0006	.0004	.0000	.0000
#2	.0006	.0022	-.0008	.0000	.0002	.0005	-.0008	.0001	.0000
#3	.0008	-.0003	-.0003	-.0002	.0003	.0006	-.0001	.0002	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/11/2016 13:27:13 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2807.5	5333.5	41846.	3682.1
Stddev	6.6	7.5	224.	19.8
%RSD	.23551	.14116	.53505	.53893
#1	2810.6	5337.0	42103.	3664.0
#2	2812.0	5338.7	41733.	3679.0
#3	2799.9	5324.9	41701.	3703.3

#1 2810.6 5337.0 42103. 3664.0
 #2 2812.0 5338.7 41733. 3679.0
 #3 2799.9 5324.9 41701. 3703.3

7.1
7

Sample Name: MP30097-MB1 Acquired: 3/11/2016 13:40:54 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-.0007	-.0003	.0000	.0000	.0013	-.0001	-.0001	.0002
Stddev	.0001	.0122	.0003	.000	.000	.0013	.0000	.0000	.0001
%RSD	52.12	1855.	98.18	476.2	122.9	96.88	44.28	35.70	54.41
#1	.0003	-.0011	-.0007	.0001	.0000	.0004	-.0001	-.0001	.0002
#2	.0002	.0118	-.0002	-.0001	-.0001	.0028	-.0001	.0000	.0001
#3	.0001	-.0126	-.0001	.0000	-.0001	.0008	.0000	-.0001	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0417	.1509	-.0112	.0001	.0000	.3150	-.0001	-.0002
Stddev	.000	.0015	.0058	.0152	.0000	.0000	.0110	.0001	.0003
%RSD	181.7	3.642	3.868	136.0	5.230	71.58	3.479	152.9	187.7
#1	.0000	.0408	.1574	-.0254	.0001	.0000	.3245	-.0001	.0000
#2	-.0001	.0408	.1461	-.0131	.0001	.0001	.3174	-.0002	-.0005
#3	.0000	.0434	.1492	.0049	.0001	.0000	.3030	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	-.0006	.0040	.0000	.0000	-.0004	-.0006	.0000	.0002
Stddev	.0006	.0004	.0003	.000	.0000	.0000	.0005	.000	.0001
%RSD	90.15	63.89	7.643	4988.	178.5	11.05	71.95	303.6	35.57
#1	.0006	-.0011	.0037	.0002	.0000	-.0003	-.0010	.0000	.0002
#2	.0013	-.0005	.0042	-.0003	.0001	-.0004	-.0001	.0000	.0001
#3	.0001	-.0003	.0042	.0001	.0000	-.0004	-.0007	.0000	.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30097-MB1 Acquired: 3/11/2016 13:40:54 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2787.0	5328.4	42109.	3657.2
Stddev	1.9	7.1	40.	8.4
%RSD	.06660	.13253	.09555	.23022
#1	2785.6	5332.1	42063.	3659.0
#2	2786.2	5320.3	42123.	3648.0
#3	2789.1	5332.9	42140.	3664.5

#1 2785.6 5332.1 42063. 3659.0
 #2 2786.2 5320.3 42123. 3648.0
 #3 2789.1 5332.9 42140. 3664.5

Sample Name: MP30097-B1 Acquired: 3/11/2016 13:45:26 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0499	29.54	2.039	2.130	.0552	27.96	.0539	.5290	.2199
Stddev	.0007	.09	.001	.002	.0001	.06	.0000	.0002	.0005
%RSD	1.385	.2984	.0364	.1048	.1268	.2097	.0888	.0457	.2379

#1	.0502	29.44	2.038	2.129	.0551	27.89	.0538	.5289	.2205
#2	.0491	29.55	2.039	2.133	.0553	27.97	.0539	.5293	.2195
#3	.0504	29.62	2.040	2.130	.0552	28.01	.0539	.5289	.2198

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2681	28.44	27.15	28.32	.5614	.5310	26.99	.5387	.5169
Stddev	.0009	.02	.15	.10	.0013	.0004	.03	.0003	.0013
%RSD	.3370	.0759	.5472	.3565	.2321	.0780	.1199	.0558	.2487

#1	.2692	28.45	26.98	28.31	.5628	.5312	27.01	.5383	.5171
#2	.2675	28.42	27.21	28.22	.5602	.5305	27.00	.5388	.5155
#3	.2677	28.46	27.25	28.42	.5613	.5312	26.95	.5389	.5180

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5117	2.047	.0239	.5537	.5332	.5523	2.067	.5058	.5471
Stddev	.0013	.005	.0004	.0004	.0017	.0020	.005	.0024	.0007
%RSD	.2522	.2674	1.845	.0803	.3097	.3652	.2276	.4774	.1271

#1	.5102	2.041	.0243	.5537	.5337	.5545	2.066	.5084	.5469
#2	.5120	2.048	.0234	.5541	.5345	.5516	2.063	.5053	.5479
#3	.5127	2.051	.0240	.5532	.5313	.5507	2.072	.5036	.5465

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30097-B1 Acquired: 3/11/2016 13:45:26 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2505.7	5146.2	39995.	3577.4
Stddev	1.9	6.9	66.	10.2
%RSD	.07413	.13343	.16386	.28498

#1	2506.1	5150.9	39940.	3577.1
#2	2507.3	5138.3	40067.	3587.8
#3	2503.6	5149.3	39977.	3567.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2681	28.44	27.15	28.32	.5614	.5310	26.99	.5387	.5169
Stddev	.0009	.02	.15	.10	.0013	.0004	.03	.0003	.0013
%RSD	.3370	.0759	.5472	.3565	.2321	.0780	.1199	.0558	.2487

#1	.2692	28.45	26.98	28.31	.5628	.5312	27.01	.5383	.5171
#2	.2675	28.42	27.21	28.22	.5602	.5305	27.00	.5388	.5155
#3	.2677	28.46	27.25	28.42	.5613	.5312	26.95	.5389	.5180

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5117	2.047	.0239	.5537	.5332	.5523	2.067	.5058	.5471
Stddev	.0013	.005	.0004	.0004	.0017	.0020	.005	.0024	.0007
%RSD	.2522	.2674	1.845	.0803	.3097	.3652	.2276	.4774	.1271

#1	.5102	2.041	.0243	.5537	.5337	.5545	2.066	.5084	.5469
#2	.5120	2.048	.0234	.5541	.5345	.5516	2.063	.5053	.5479
#3	.5127	2.051	.0240	.5532	.5313	.5507	2.072	.5036	.5465

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: FA32009-1 Acquired: 3/11/2016 13:49:40 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	4.291	.0074	.1066	.0002	10.54	-.0001	.0071	.0083
Stddev	.0001	.024	.0006	.0003	.0001	.04	.0000	.0001	.0003
%RSD	454.0	.5541	7.783	.2444	32.43	.3463	46.98	.9735	3.427

#1	.0000	4.315	.0077	.1068	.0001	10.56	-.0001	.0070	.0081
#2	.0002	4.291	.0077	.1066	.0002	10.49	-.0001	.0072	.0082
#3	-.0001	4.267	.0067	.1063	.0003	10.56	-.0001	.0072	.0086

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0023	8.198	1.225	4.112	.0593	.0006	45.73	.0031	-.0003
Stddev	.0001	.022	.038	.037	.0002	.0000	.06	.0001	.0006
%RSD	3.942	.2683	3.079	.8974	.2660	4.996	.1369	3.739	207.8

#1	.0023	8.212	1.227	4.086	.0594	.0006	45.80	.0031	-.0008
#2	.0023	8.173	1.186	4.154	.0594	.0005	45.70	.0029	-.0004
#3	.0024	8.209	1.261	4.097	.0591	.0005	45.68	.0032	-.0005

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0008	.0016	14.83	.0004	.0428	.1232	-.0014	.0114	.0607
Stddev	.0002	.0015	.08	.0000	.0002	.0100	.0005	.0001	.0001
%RSD	25.68	89.82	.5576	9.017	.4544	8.128	36.29	1.148	.2200

#1	.0006	.0015	14.92	.0005	.0427	.1337	-.0010	.0113	.0608
#2	.0009	.0032	14.81	.0005	.0427	.1223	-.0012	.0113	.0608
#3	.0010	.0002	14.75	.0004	.0430	.1137	-.0019	.0115	.0606

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2568.7	5241.5	40540.	3597.1
Stddev	6.2	12.9	70.	12.2
%RSD	.23979	.24541	.17168	.33803

#1	2574.6	5256.3	40536.	3596.8
#2	2562.3	5235.9	40612.	3609.3
#3	2569.4	5232.5	40472.	3585.0

Sample Name: MP30097-D1 Acquired: 3/11/2016 13:54:02 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	3.865	.0072	.1063	.0003	10.50	.0000	.0072	.0078
Stddev	.0002	.016	.0004	.0002	.0000	.03	.000	.0001	.0002
%RSD	252.4	.4238	5.519	.1890	17.32	.3060	127.0	1.498	2.884

#1	-.0001	3.856	.0069	.1061	.0003	10.49	.0000	.0071	.0079
#2	.0003	3.854	.0076	.1065	.0003	10.47	.0000	.0071	.0080
#3	.0000	3.884	.0070	.1063	.0002	10.53	-.0001	.0073	.0076

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0022	8.029	1.178	4.046	.0584	.0004	45.71	.0031	-.0001
Stddev	.0002	.009	.017	.019	.0003	.0001	.19	.0001	.0005
%RSD	7.794	.1079	1.404	.4703	.4599	26.36	.4161	1.915	542.8

#1	.0022	8.030	1.189	4.066	.0584	.0003	45.82	.0032	.0005
#2	.0021	8.019	1.186	4.044	.0586	.0005	45.49	.0032	-.0005
#3	.0024	8.037	1.159	4.028	.0581	.0003	45.81	.0031	-.0002

Sample Name: MP30097-SD1 Acquired: 3/11/2016 13:58:26 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	4.333	.0109	.1097	.0001	10.77	-0.003	.0073	.0077
Stddev	.0018	.015	.0028	.0018	.0003	.05	.0001	.0005	.0001
%RSD	822.2	.3546	25.65	1.681	332.6	.4900	20.75	6.710	1.491
#1	.0006	4.327	.0131	.1077	.0003	10.78	-.0002	.0079	.0077
#2	.0017	4.322	.0120	.1114	.0001	10.72	-.0002	.0070	.0077
#3	-.0017	4.351	.0078	.1099	-.0002	10.82	-.0003	.0071	.0075
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0019	8.318	1.556	4.028	.0623	-0.002	47.39	.0035	-0.024
Stddev	.0007	.042	.079	.091	.0032	.0005	.15	.0006	.0016
%RSD	34.95	.5059	5.103	2.259	5.173	275.7	.3171	16.17	66.91
#1	.0026	8.278	1.474	3.988	.0602	.0003	47.41	.0028	-.0019
#2	.0018	8.314	1.563	3.964	.0660	-.0002	47.24	.0036	-.0011
#3	.0013	8.361	1.632	4.132	.0606	-.0007	47.54	.0039	-.0043
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.004	-0.013	15.39	-0.003	.0441	1.269	-0.032	.0107	.1012
Stddev	.0031	.0047	.13	.0013	.0007	.0243	.0008	.0006	.0005
%RSD	878.0	370.8	8.274	387.6	1.548	19.19	24.02	5.185	5.090
#1	-.0037	-.0066	15.52	.0002	.0439	.1169	-.0026	.0100	.1014
#2	.0026	.0003	15.37	.0006	.0449	.1546	-.0030	.0109	.1016
#3	.0000	.0024	15.27	-.0018	.0436	.1091	-.0041	.0110	.1007
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2744.1	5351.1	41618.	3680.0					
Stddev	4.9	2.0	26.	14.0					
%RSD	.17787	.03790	.06178	.38031					
#1	2738.6	5353.5	41600.	3679.8					
#2	2747.9	5350.0	41605.	3694.2					
#3	2745.9	5349.9	41647.	3666.2					

Sample Name: MP30097-PS1 Acquired: 3/11/2016 14:02:54 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0484	6.754	.1096	.3660	.0536	15.69	.0528	.0593	.0621
Stddev	.0002	.016	.0008	.0008	.0001	.04	.0001	.0001	.0002
%RSD	.3835	.2385	.6941	.2136	.2066	.2530	.1666	.2201	.3666
#1	.0484	6.772	.1104	.3652	.0537	15.67	.0528	.0593	.0621
#2	.0482	6.740	.1096	.3668	.0535	15.66	.0529	.0594	.0620
#3	.0485	6.749	.1089	.3660	.0537	15.74	.0527	.0591	.0624
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1075	11.10	11.26	9.349	.1129	.1002	54.81	.1074	.0497
Stddev	.0004	.03	.05	.015	.0006	.0002	.06	.0001	.0006
%RSD	.3262	.2924	.4268	.1556	.5566	.2074	.1103	.1338	1.127
#1	.1079	11.08	11.21	9.358	.1135	.1001	54.76	.1073	.0491
#2	.1072	11.09	11.31	9.332	.1129	.1000	54.79	.1075	.0500
#3	.1075	11.14	11.26	9.357	.1122	.1004	54.88	.1074	.0501
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.1043	.0979	14.58	.0501	.0908	.2177	.0989	.0617	.3362
Stddev	.0010	.0013	.06	.0003	.0002	.0045	.0018	.0004	.0007
%RSD	.9166	1.320	.3945	.5111	.2388	2.078	1.795	.6329	.2087
#1	.1052	.0993	14.65	.0498	.0907	.2126	.0971	.0618	.3367
#2	.1033	.0976	14.56	.0501	.0911	.2195	.0989	.0613	.3365
#3	.1044	.0968	14.54	.0503	.0907	.2210	.1007	.0620	.3354
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2534.2	5223.5	40447.	3604.6					
Stddev	6.9	4.5	155.	15.9					
%RSD	.27198	.08545	.38422	.44219					
#1	2526.2	5221.3	40293.	3616.7					
#2	2538.8	5228.6	40444.	3610.5					
#3	2537.4	5220.6	40604.	3586.5					

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Sample Name: MP30097-S1 Acquired: 3/11/2016 14:07:12 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0504	33.29	2.062	2.214	.0555	38.11	.0535	.5301	.2267
Stddev	.0006	.13	.008	.007	.0002	.14	.0001	.0007	.0005
%RSD	1.117	.3825	.3762	.3354	.3184	.3707	.1208	.1261	.2408
#1	.0508	33.25	2.058	2.209	.0556	38.02	.0535	.5295	.2273
#2	.0498	33.44	2.057	2.222	.0556	38.27	.0535	.5302	.2264
#3	.0507	33.19	2.071	2.209	.0553	38.05	.0536	.5308	.2264
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2701	36.36	28.12	32.39	6.192	5.280	72.97	53.70	5.241
Stddev	.0010	.02	.08	.09	.0019	.0004	.15	.0021	.0014
%RSD	.3617	.0633	.2720	.2680	.3122	.0718	.2115	.3890	.2729
#1	.2702	36.34	28.06	32.33	.6215	.5279	73.02	.5365	.5232
#2	.2711	36.37	28.21	32.49	.6183	.5277	73.10	.5353	.5234
#3	.2691	36.38	28.10	32.35	.6180	.5284	72.80	.5394	.5258
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5044	2.053	14.38	5.428	.5772	6.510	2.080	.5184	.6008
Stddev	.0007	.005	.07	.0003	.0014	.0093	.006	.0014	.0006
%RSD	.1395	.2336	.5111	.0547	.2388	1.433	.2983	.2687	.1033
#1	.5053	2.051	14.42	.5425	.5781	.6618	2.085	.5197	.6014
#2	.5040	2.050	14.42	.5426	.5780	.6454	2.073	.5169	.6009
#3	.5041	2.059	14.29	.5431	.5757	.6459	2.082	.5187	.6001
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2414.6	5115.7	39480.	3545.9					
Stddev	2.8	2.8	105.	8.8					
%RSD	.11549	.05381	.26499	.24898					
#1	2411.4	5113.3	39364.	3556.0					
#2	2416.4	5115.1	39511.	3539.8					
#3	2416.0	5118.7	39566.	3541.9					

Sample Name: MP30097-S2 Acquired: 3/11/2016 14:11:23 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0497	32.39	2.062	2.217	.0549	37.57	.0534	.5289	.2248
Stddev	.0005	.04	.004	.002	.0002	.10	.0000	.0003	.0006
%RSD	.9167	.1366	.1803	.0755	.4032	.2668	.0913	.0633	.2747
#1	.0492	32.40	2.059	2.215	.0547	37.50	.0534	.5292	.2248
#2	.0499	32.35	2.066	2.216	.0551	37.53	.0535	.5286	.2254
#3	.0501	32.44	2.060	2.219	.0548	37.69	.0534	.5291	.2242
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2675	35.48	27.89	31.71	6.098	5.261	71.81	53.54	5.249
Stddev	.0002	.06	.04	.04	.0024	.0008	.03	.0012	.0015
%RSD									

Sample Name: CCV Acquired: 3/11/2016 14:15:35 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2482	39.96	1.984	1.971	2.017	40.55	2.037	2.015	2.064
Stddev	.0003	.20	.001	.010	.007	.07	.000	.001	.011
%RSD	.1177	.4981	.0519	.5235	.3316	.1815	.0156	.0339	.5188
#1	.2479	39.95	1.984	1.972	2.020	40.58	2.036	2.015	2.053
#2	.2481	39.77	1.984	1.960	2.010	40.46	2.037	2.014	2.074
#3	.2485	40.17	1.986	1.981	2.022	40.60	2.037	2.016	2.065

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.985	39.75	39.58	40.70	2.082	2.022	39.47	2.031	2.015
Stddev	.004	.10	.18	.16	.012	.001	.23	.002	.008
%RSD	.2154	.2408	.4559	.3959	.5939	.0379	.5942	.0894	.3884
#1	1.981	39.78	39.60	40.61	2.068	2.022	39.52	2.030	2.008
#2	1.984	39.64	39.38	40.59	2.092	2.022	39.21	2.031	2.024
#3	1.990	39.83	39.74	40.88	2.086	2.021	39.67	2.033	2.013

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.969	1.977	1.927	2.061	2.009	2.056	2.015	2.052	2.061
Stddev	.001	.001	.001	.001	.009	.005	.009	.002	.002
%RSD	.0333	.0467	.0249	.0488	.4297	.2666	.4291	.1125	.1168
#1	1.968	1.976	1.927	2.061	2.012	2.050	2.013	2.049	2.064
#2	1.970	1.976	1.926	2.061	1.999	2.060	2.025	2.054	2.062
#3	1.969	1.978	1.927	2.059	2.015	2.059	2.008	2.053	2.059

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/11/2016 14:15:35 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2394.9	5059.1	39620.	3585.8
Stddev	8.8	8.1	203.	11.9
%RSD	.36694	.16004	.51157	.33269
#1	2401.8	5066.9	39854.	3597.2
#2	2385.0	5059.5	39507.	3586.9
#3	2397.8	5050.7	39500.	3573.4

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Sample Name: CCB Acquired: 3/11/2016 14:19:45 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	.0111	.0002	.0003	.0001	.0039	.0001	.0001	.0001
Stddev	.0004	.0134	.0003	.0003	.0000	.0031	.0000	.0000	.0001
%RSD	105.4	120.3	193.9	86.99	37.35	78.70	38.57	75.26	109.4
#1	-.0002	-.0043	.0000	.0003	.0001	.0004	.0002	.0001	.0000
#2	-.0001	.0189	.0005	.0006	.0001	.0058	.0001	.0001	.0001
#3	-.0009	.0188	.0000	.0001	.0001	.0056	.0001	.0000	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0145	.0448	-.0168	.0001	F .0014	.1132	.0000	-.0004
Stddev	.000	.0035	.0396	.0202	.0000	.0002	.0056	.0002	.0004
%RSD	418.1	23.94	88.49	119.9	1.086	16.68	4.920	448.0	99.23
#1	.0000	.0174	.0716	-.0133	.0001	.0017	.1179	.0001	.0000
#2	-.0002	.0153	-.0007	.0013	.0001	.0014	.1147	-.0002	-.0008
#3	.0001	.0106	.0635	-.0386	.0001	.0012	.1071	.0002	-.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0006	.0001	.0000	.0002	.0006	.0008	.0000	.0000
Stddev	.0014	.0004	.0007	.0001	.0001	.0001	.0009	.000	.0001
%RSD	1044.	61.45	614.8	137.6	29.90	11.92	121.5	870.6	197.6
#1	.0018	.0005	.0006	.0001	.0002	.0006	.0017	.0002	.0001
#2	-.0007	.0003	.0004	.0001	.0001	.0006	-.0001	.0000	.0001
#3	-.0007	.0011	-.0006	.0000	.0002	.0005	.0006	-.0003	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/11/2016 14:19:45 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2829.6	5329.3	41734.	3670.4
Stddev	5.6	5.4	159.	33.1
%RSD	.19918	.10219	.38068	.90203
#1	2832.7	5334.2	41744.	3640.5
#2	2823.1	5323.4	41571.	3706.0
#3	2833.0	5330.4	41888.	3664.6

Sample Name: FA32009-8 Acquired: 3/11/2016 14:24:17 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 11 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 11 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 4 columns: Int. Std., Avg, Stddev, %RSD. Rows include Y_2243, Y_3600, Y_3710 and #1-3.

Table with 4 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Sample Name: FA32030-12F Acquired: 3/11/2016 14:28:42 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 11 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 11 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 4 columns: Int. Std., Avg, Stddev, %RSD. Rows include Y_2243, Y_3600, Y_3710 and #1-3.

Table with 4 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Sample Name: FA32030-13F Acquired: 3/11/2016 14:33:08 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 11 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 11 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 4 columns: Int. Std., Avg, Stddev, %RSD. Rows include Y_2243, Y_3600, Y_3710 and #1-3.

Table with 4 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Sample Name: FA32059-3 Acquired: 3/11/2016 14:37:43 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 11 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 11 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 4 columns: Int. Std., Avg, Stddev, %RSD. Rows include Y_2243, Y_3600, Y_3710 and #1-3.

Table with 4 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

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Sample Name: FA32054-6 Acquired: 3/11/2016 14:42:08 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns (Elem, IS Ref, Avg, Stdev, %RSD) and 10 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr.

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Sample Name: FA32054-6 Acquired: 3/11/2016 14:42:08 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns (Elem, IS Ref, Avg, Stdev, %RSD) and 10 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr.

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Sample Name: FA32067-2F Acquired: 3/11/2016 14:46:32 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns (Elem, IS Ref, Avg, Stdev, %RSD) and 10 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr.

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Sample Name: FA32067-3F Acquired: 3/11/2016 14:51:00 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns (Elem, IS Ref, Avg, Stdev, %RSD) and 10 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr.

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Sample Name: FA32073-1 Acquired: 3/11/2016 14:55:28 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0003	.5022	.0002	.1345	.0001	13.52	-.0001	.0031	.0054
Stddev	.0001	.0034	.0004	.0000	.0000	.02	.0000	.0000	.0003
%RSD	35.40	.6735	179.7	.0298	29.01	.1523	36.66	.2912	5.072
#1	.0004	.5055	-.0002	.1344	.0001	13.54	-.0001	.0031	.0057
#2	.0002	.5022	.0006	.1345	.0001	13.51	-.0001	.0031	.0051
#3	.0003	.4988	.0002	.1345	.0001	13.50	.0000	.0031	.0053
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0326	8.977	8.880	3.873	1.505	.0001	5.449	.0065	-.0003
Stddev	.0004	.034	.006	.023	.001	.0000	.021	.0002	.0003
%RSD	1.236	.3791	.0681	.5842	.0831	17.10	.3771	2.358	96.19
#1	.0330	9.015	8.873	3.878	1.506	.0002	5.472	.0063	.0000
#2	.0324	8.950	8.884	3.849	1.506	.0001	5.442	.0065	-.0005
#3	.0323	8.966	8.882	3.893	1.504	.0001	5.433	.0066	-.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0002	.0011	3.806	.0004	.0909	.0205	-.0010	.0029	.0762
Stddev	.0001	.0015	.010	.0001	.0007	.0006	.0005	.0002	.0003
%RSD	71.40	134.9	.2512	25.95	7.711	3.056	51.97	5.297	.4405
#1	.0003	-.0002	3.817	.0003	.0915	.0207	-.0006	.0028	.0758
#2	.0000	.0028	3.801	.0004	.0908	.0209	-.0008	.0028	.0765
#3	.0002	.0008	3.801	.0005	.0902	.0198	-.0016	.0031	.0762
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2679.5	5236.1	41180.	3647.4					
Stddev	8.4	7.1	113.	7.2					
%RSD	.31385	.13631	.27465	.19728					
#1	2674.8	5241.3	41297.	3641.8					
#2	2689.2	5239.1	41071.	3644.9					
#3	2674.4	5228.0	41171.	3655.5					

Sample Name: FA32073-3 Acquired: 3/11/2016 14:59:52 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0005	.5709	-.0003	.1299	.0001	16.18	-.0001	.0114	.0157
Stddev	.0002	.0189	.0003	.0003	.0000	.06	.0000	.0001	.0002
%RSD	43.47	3.312	94.90	.2643	17.27	.3492	46.18	.5089	1.192
#1	.0004	.5492	-.0003	.1295	.0001	16.17	.0000	.0114	.0159
#2	.0007	.5805	-.0007	.1302	.0001	16.25	-.0001	.0114	.0155
#3	.0003	.5832	.0000	.1300	.0001	16.14	.0000	.0113	.0156
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0678	10.67	9.961	4.261	3.126	.0002	5.351	.0150	.0008
Stddev	.0003	.03	.027	.017	.003	.0001	.020	.0002	.0002
%RSD	.3938	.3139	.2745	.4022	.0889	30.55	.3729	1.594	27.56
#1	.0679	10.68	9.936	4.241	3.127	.0002	5.365	.0153	.0011
#2	.0680	10.70	9.957	4.274	3.128	.0002	5.361	.0148	.0008
#3	.0675	10.63	9.990	4.267	3.123	.0001	5.329	.0149	.0006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0006	.0009	3.666	.0001	.0942	.0244	-.0005	.0033	.1098
Stddev	.0005	.0008	.003	.0000	.0002	.0007	.0009	.0002	.0003
%RSD	83.12	96.78	.0899	32.48	.2199	3.018	203.6	4.918	.2525
#1	.0000	.0016	3.668	.0001	.0942	.0238	.0005	.0032	.1095
#2	.0009	-.0001	3.662	.0001	.0945	.0252	-.0014	.0035	.1100
#3	.0009	.0010	3.667	.0002	.0941	.0241	-.0005	.0033	.1100
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2674.2	5259.7	41376.	3692.0					
Stddev	2.1	1.5	91.	28.7					
%RSD	.07887	.02938	.21908	.77730					
#1	2674.4	5259.6	41480.	3659.1					
#2	2672.0	5261.3	41330.	3705.0					
#3	2676.2	5258.2	41318.	3711.9					

7.1
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Sample Name: FA32073-5 Acquired: 3/11/2016 15:04:25 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0001	.2015	-.0004	.2868	.0000	12.64	-.0002	.0017	.0139
Stddev	.0002	.0037	.0006	.0016	.000	.05	.0001	.0001	.0001
%RSD	194.7	1.844	130.8	.5672	99.87	.3925	35.80	5.009	.6879
#1	.0001	.1982	-.0009	.2887	-.0001	12.69	-.0001	.0016	.0140
#2	-.0001	.2009	-.0005	.2859	.0000	12.64	-.0002	.0017	.0138
#3	-.0004	.2055	.0002	.2858	.0000	12.59	-.0003	.0017	.0139
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0292	21.74	12.97	4.938	1.972	-.0001	13.83	.0151	-.0016
Stddev	.0000	.08	.05	.009	.006	.0001	.08	.0001	.0008
%RSD	.1284	.3796	.4110	.1782	.3215	36.73	.5700	.3596	46.83
#1	.0292	21.84	13.03	4.929	1.971	-.0001	13.91	.0152	-.0023
#2	.0292	21.70	12.95	4.941	1.979	-.0002	13.84	.0152	-.0008
#3	.0291	21.69	12.92	4.946	1.967	-.0001	13.75	.0151	-.0016
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0008	.0000	4.557	.0001	.0952	.0090	-.0018	.0023	.2642
Stddev	.0008	.001	.014	.0001	.0007	.0001	.0006	.0002	.0002
%RSD	106.7	4907.	.2974	111.9	.7509	1.550	35.36	6.699	.0860
#1	.0015	-.0001	4.568	.0000	.0960	.0091	-.0016	.0021	.2639
#2	.0009	.0013	4.542	.0002	.0950	.0089	-.0025	.0024	.2643
#3	-.0001	-.0013	4.560	.0002	.0946	.0089	-.0013	.0024	.2644
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2630.1	5187.1	40900.	3704.7					
Stddev	1.3	10.1	80.	17.7					
%RSD	.05082	.19430	.19530	.47815					
#1	2628.9	5181.6	40856.	3684.3					
#2	2629.9	5198.8	40851.	3713.9					
#3	2631.6	5181.0	40992.	3715.9					

Sample Name: CCV Acquired: 3/11/2016 15:08:46 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.497	40.39	2.015	1.992	2.046	40.69	2.062	2.039	2.082
Stddev	.0007	.07	.004	.002	.005	.10	.001	.002	.005
%RSD	.2965	.1676	.1907	.1154	.2233	.2517	.0591	.0889	.2334
#1	.2492	40.44	2.019	1.995	2.047	40.79	2.062	2.040	2.087
#2	.2495	40.31	2.015	1.992	2.041	40.68	2.063	2.040	2.083
#3	.2506	40.41	2.011	1.990	2.050	40.59	2.061	2.037	2.077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.009	40.17	39.85	40.97	2.105	2.047	40.11	2.062	2.028
Stddev	.003								

Sample Name: CCV Acquired: 3/11/2016 15:08:46 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2374.4	4978.0	39094.	3579.1
Stddev	3.7	.8	98.	9.3
%RSD	.15765	.01554	.25012	.25877
#1	2374.9	4978.8	39112.	3583.3
#2	2370.4	4977.4	38989.	3585.6
#3	2377.9	4977.6	39183.	3568.5

Sample Name: CCB Acquired: 3/11/2016 15:13:00 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0001	.0011	.0012	.0003	.0002	.0010	.0001	.0001	.0001
Stddev	.0002	.0015	.0005	.0002	.0000	.0046	.0000	.0001	.0001
%RSD	369.5	135.4	39.67	48.74	23.08	468.0	31.90	61.69	104.0
#1	.0000	.0017	.0016	.0003	.0002	-.0026	.0002	.0001	.0000
#2	-.0001	.0023	.0013	.0002	.0001	-.0006	.0001	.0002	.0001
#3	.0003	-.0006	.0007	.0005	.0002	.0061	.0001	.0001	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0000	.0150	.0082	-.0290	.0001	F-.0013	.0559	.0001	-.0006
Stddev	.0001	.0028	.0312	.0169	.0000	.0003	.0007	.0001	.0006
%RSD	267.7	18.60	380.7	58.24	9.094	19.82	1.273	189.4	105.2
#1	.0002	.0175	.0108	-.0291	.0002	.0015	.0562	.0002	.0001
#2	.0000	.0120	.0380	-.0121	.0001	.0015	.0551	.0001	-.0009
#3	.0000	.0156	-.0242	-.0459	.0001	.0010	.0564	-.0001	-.0009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0005	-.0002	.0005	.0001	.0001	.0006	.0006	.0001	.0000
Stddev	.0003	.0009	.0002	.0001	.0000	.0002	.0003	.0003	.0001
%RSD	64.02	341.7	40.41	163.4	30.47	27.16	55.96	254.4	318.1
#1	.0006	.0000	.0004	.0000	.0001	.0007	.0008	.0004	-.0001
#2	.0007	-.0012	.0007	.0000	.0001	.0007	.0007	-.0001	.0001
#3	.0001	.0004	.0003	.0002	.0001	.0004	.0002	.0000	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.1
7

Sample Name: CCB Acquired: 3/11/2016 15:13:00 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2815.8	5316.4	41970.	3720.8
Stddev	7.4	4.5	136.	33.2
%RSD	.26336	.08413	.32318	.89200
#1	2810.3	5311.9	42068.	3730.4
#2	2812.9	5316.5	42027.	3748.2
#3	2824.3	5320.8	41815.	3683.9

Sample Name: FA32073-8 Acquired: 3/11/2016 15:17:30 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (In2306)
Avg	.0000	.2045	-.0001	.2881	.0000	12.71	-.0001	.0018	.0169
Stddev	.000	.0016	.0003	.0013	.0000	.02	.0000	.0000	.0001
%RSD	1777.	.7601	459.9	4500	82.60	.1424	38.00	2.722	.4739
#1	.0001	.2028	.0000	.2893	.0000	12.73	-.0001	.0018	.0169
#2	.0000	.2049	.0002	.2867	.0000	12.69	-.0001	.0017	.0170
#3	-.0002	.2058	-.0004	.2881	.0001	12.71	-.0001	.0018	.0169

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.0291	21.90	12.95	4.971	2.000	.0004	17.57	.0196	-.0016
Stddev	.0001	.04	.07	.048	.004	.0001	.09	.0003	.0006
%RSD	.4776	.2003	.5717	.9736	.1902	14.18	.5011	1.555	40.74
#1	.0291	21.93	13.00	5.019	2.004	.0003	17.63	.0193	-.0023
#2	.0293	21.85	12.87	4.973	1.996	.0004	17.47	.0197	-.0014
#3	.0290	21.92	12.98	4.922	2.000	.0003	17.61	.0199	-.0011

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_2243)	Zn2062 (Y_2243)
Avg	.0012	.0005	4.599	.0003	.0954	.0093	-.0012	.0023	.7988
Stddev	.0003	.0009	.018	.0001	.0007	.0003	.0008	.0002	.0032
%RSD	27.42	172.7	.3898	19.63	.7419	3.254	68.04	8.280	.3990
#1	.0016	.0016	4.593	.0002	.0961	.0091	-.0017	.0024	.7961
#2	.0011	.0002	4.584	.0003	.0947	.0091	-.0003	.0021	.7979
#3	.0010	-.0002	4.619	.0003	.0956	.0097	-.0016	.0024	.8023

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2590.4	5102.4	40244.	3649.2
Stddev	9.5	17.2	131.	16.8
%RSD	.36673	.33698	.32432	.46122
#1	2598.0	5111.1	40184.	3647.5
#2	2593.5	5113.4	40394.	3666.8
#3	2579.8	5082.6	40155.	3633.3

Sample Name: FA32073-12 Acquired: 3/11/2016 15:21:55 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.3078	-.0008	.0444	.0000	3.299	.0000	.0073	.0260
Stddev	.000	.0057	.0004	.0003	.0001	.022	.000	.0002	.0003
%RSD	944.2	1.847	46.98	.6617	44.36	.6803	121.1	2.221	1.224
#1	-.0001	.3013	-.0012	.0447	.0001	3.291	-.0001	.0072	.0262
#2	-.0001	.3118	-.0007	.0445	.0000	3.325	.0000	.0075	.0262
#3	.0002	.3102	-.0005	.0441	-.0001	3.283	.0000	.0073	.0256
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0111	.8713	.6153	1.868	1.523	.0005	55.66	.0145	.0006
Stddev	.0004	.0055	.0252	.023	.004	.0002	.12	.0001	.0003
%RSD	3.573	.6329	4.096	1.219	.2266	35.51	.2143	.5142	48.06
#1	.0115	.8716	.6283	1.869	1.523	.0003	55.63	.0145	.0008
#2	.0107	.8767	.5863	1.890	1.527	.0006	55.79	.0144	.0003
#3	.0110	.8657	.6314	1.845	1.520	.0007	55.56	.0145	.0008
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0012	.0008	5.861	.0000	.0304	.0099	-.0010	.0010	.0747
Stddev	.0007	.0006	.009	.000	.0001	.0004	.0004	.0001	.0002
%RSD	54.80	80.01	.1595	818.4	3.607	4.084	42.93	10.75	2.969
#1	.0009	.0015	5.865	.0001	.0304	.0094	-.0015	.0011	.0749
#2	.0008	.0002	5.867	-.0003	.0305	.0102	-.0007	.0009	.0745
#3	.0020	.0006	5.850	.0001	.0303	.0099	-.0009	.0010	.0746
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2601.3	5143.8	39996.	3615.5					
Stddev	7.9	12.8	136.	2.2					
%RSD	.30419	.24947	.33940	.06096					
#1	2592.2	5130.1	39981.	3618.0					
#2	2605.1	5145.7	39868.	3614.3					
#3	2606.6	5155.6	40138.	3614.1					

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Sample Name: FA32072-23 Acquired: 3/11/2016 15:26:20 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.0079	-.0007	.0003	.0000	.0356	.0000	.0000	.0003
Stddev	.0001	.0086	.0003	.0000	.000	.0020	.000	.000	.0001
%RSD	257.7	108.6	46.67	13.25	353.3	5.640	105.4	165.5	38.41
#1	.0002	.0171	-.0008	.0003	.0000	.0336	-.0001	-.0001	.0002
#2	.0000	.0000	-.0009	.0003	.0001	.0376	.0000	-.0001	.0004
#3	.0000	.0066	-.0003	.0004	-.0001	.0355	-.0001	.0000	.0004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0003	.0084	.0397	-.0277	.0003	.0001	.1946	.0002	-.0006
Stddev	.0002	.0002	.0190	.0234	.0000	.0000	.0062	.0001	.0006
%RSD	58.39	2.841	47.89	84.39	11.52	10.11	3.161	30.41	109.3
#1	-.0004	.0082	.0576	-.0380	.0003	.0001	.1975	.0002	-.0008
#2	-.0001	.0085	.0198	-.0009	.0004	.0001	.1989	.0002	.0001
#3	-.0003	.0086	.0417	-.0441	.0003	.0001	.1876	.0003	-.0010
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0006	.0012	.0119	-.0001	.0003	-.0003	-.0012	.0000	.0014
Stddev	.0005	.0014	.0006	.0002	.0001	.0000	.0008	.0001	.0001
%RSD	92.66	120.3	5.000	137.8	16.26	11.74	71.69	875.6	6.387
#1	.0009	.0005	.0122	-.0003	.0003	-.0002	-.0016	-.0001	.0013
#2	.0000	.0028	.0122	-.0001	.0003	-.0002	-.0016	.0000	.0014
#3	.0008	.0002	.0112	.0000	.0004	-.0003	-.0002	.0001	.0015
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2818.5	5325.2	42594.	3731.8					
Stddev	11.6	12.9	198.	23.8					
%RSD	.41177	.24159	.46586	.63740					
#1	2829.2	5330.6	42402.	3706.3					
#2	2820.0	5334.5	42581.	3753.4					
#3	2806.1	5310.5	42798.	3735.6					

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Sample Name: FA32077-23 Acquired: 3/11/2016 15:30:52 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0002	.2869	-.0005	.0064	.0000	.2223	.0000	.0001	.0017
Stddev	.0001	.0039	.0002	.0001	.000	.0037	.000	.0001	.0003
%RSD	83.44	1.344	42.86	2.174	324.4	1.644	419.9	79.78	15.07
#1	-.0002	.2835	-.0005	.0063	.0000	.2192	.0000	.0001	.0018
#2	-.0003	.2911	-.0008	.0065	-.0001	.2263	.0000	.0000	.0020
#3	.0000	.2861	-.0003	.0066	.0000	.2214	.0000	.0002	.0014
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0006	.2828	.1223	.0691	.0093	.0001	.2921	.0008	.0045
Stddev	.0000	.0049	.0198	.0098	.0001	.0002	.0042	.0001	.0005
%RSD	6.950	1.720	16.15	14.20	.6342	114.5	1.435	8.028	11.52
#1	.0006	.2776	.1446	.0643	.0093	.0000	.2964	.0009	.0044
#2	.0007	.2872	.1153	.0626	.0093	.0002	.2880	.0008	.0040
#3	.0006	.2836	.1070	.0804	.0094	.0003	.2921	.0008	.0050
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0001	.0005	.5053	-.0001	.0015	.0157	-.0009	.0006	.0117
Stddev	.0003	.0009	.0104	.0002	.0000	.0003	.0005	.0001	.0001
%RSD	198.8	175.6	2.062	152.3	2.502	1.866	52.80	10.45	.5209
#1	-.0002	-.0003	.5170	.0000	.0016	.0156	-.0009	.0006	.0117
#2	.0002	.0014	.5022	-.0003	.0015	.0154	-.0004	.0006	.0118
#3	.0003	.0004	.4968	-.0001	.0015	.0160	-.0014	.0007	.0117
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2809.3	5335.7	42612.	3797.3					
Stddev	5.9	7.6	47.	31.4					
%RSD	.21055	.14154	.11038	.82743					
#1	2803.0	5329.5	42607.	3807.0					
#2	2814.7	5333.4	42662.	3762.2					
#3	2810.2	5344.1	42568.	3822.7					

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Sample Name: FA32084-14 Acquired: 3/11/2016 15:35:23 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.4533	-.0002	.0052	.0000	.1771	.0000	.0002	.0022
Stddev	.000	.0111	.0007	.0002	.000	.0054	.000	.0000	.0002
%RSD	510.5	2.440	355.6	4.712	1025.	3.025	79.45	8.671	9.709
#1	-.0002	.4616	-.0003	.0055	.0000	.1728	-.0001	.0002	.0024
#2	.0000	.4407	-.0008	.0050	.0000	.1831	.0000	.0002	.0020
#3	.0001	.4574	.0006	.0052	.0000	.1755	.0000	.0002	.0021
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0006	.4539	.1446	.0828	.0088	.0002	.1663	.0012	.0012
Stddev	.0000	.0043	.0188	.0026	.0001	.0001	.0093	.0001	.0002
%RSD	7.526	.9427	13.01	3.119	.6443	33.19	5.579	9.074	16.69
#1	.0006	.4557	.1579	.0825	.0088	.0001	.1647	.0012	.0011
#2	.0006	.4570	.1231	.0804	.0087	.0001	.1579	.0011	.0014
#3	.0005	.4490	.1529	.0855	.0088	.0002	.1762	.0014	.0010
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	

Sample Name: FA31930-5 Acquired: 3/11/2016 15:39:54 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.0529	0.006	0.0171	0.000	34.11	-0.001	0.001	0.003
Stddev	.0002	.0078	.0008	.0002	.000	.11	.0000	.0001	.0002
%RSD	187.2	14.77	128.9	.9217	160.9	.3335	41.89	149.8	68.04
#1	.0001	.0449	.0001	.0170	.0000	34.19	-0.001	.0001	.0001
#2	-0.0003	.0605	.0016	.0173	-0.0001	34.16	-0.0001	.0000	.0005
#3	-0.0002	.0531	.0003	.0170	.0000	33.98	-0.0001	.0000	.0004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0092	0.0080	0.0044	8.169	0.0029	0.000	10.42	0.001	-0.006
Stddev	.0003	.0011	.0191	.042	.0001	.000	.03	.0001	.0002
%RSD	2.985	13.32	2.113	.5082	2.195	531.9	.3013	3.465	36.72
#1	.0090	.0090	.8890	8.176	.0030	.0000	10.46	.0042	-0.004
#2	.0090	.0069	.9258	8.206	.0029	.0000	10.41	.0040	-0.008
#3	.0095	.0081	.8985	8.124	.0030	.0001	10.40	.0040	-0.008
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.004	0.010	4.658	-0.001	0.5349	0.005	-0.005	-0.003	0.0723
Stddev	.0012	.0006	.013	.0002	.0009	.0001	.0009	.0001	.0001
%RSD	289.7	63.57	.2861	360.8	.1715	10.76	185.3	53.63	1.075
#1	.0018	.0008	4.650	-0.0001	.5352	.0005	.0003	-0.0002	.0724
#2	-0.0005	.0005	4.651	-0.0002	.5357	.0004	-0.0014	-0.0004	.0722
#3	.0000	.0017	4.674	.0001	.5339	.0005	-0.0003	-0.0002	.0723
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2679.9	5203.8	4125.1	3718.0					
Stddev	.7	5.1	76.	26.5					
%RSD	.02713	.09734	.18359	.71162					
#1	2680.2	5208.9	4127.2	3697.0					
#2	2679.1	5203.5	4131.3	3709.2					
#3	2680.5	5198.8	41166.	3747.7					

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Sample Name: FA31998-10 Acquired: 3/11/2016 15:44:22 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.000	0.0257	0.005	0.0354	-0.001	39.84	-0.001	0.008	0.008
Stddev	.0003	.0068	.0005	.0003	.0000	.05	.0000	.0001	.0000
%RSD	129.3	26.60	113.3	.8660	46.70	.1314	63.75	7.878	5.785
#1	-0.0002	.0234	.0009	.0358	-0.0001	39.87	-0.0001	.0007	.0008
#2	-0.0004	.0202	.0006	.0354	-0.0000	39.86	.0000	.0008	.0008
#3	-0.0001	.0333	-0.0001	.0352	-0.0001	39.78	.0000	.0009	.0007
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.003	0.028	1.036	9.627	0.0174	0.008	10.33	0.013	-0.007
Stddev	.0001	.0037	.012	.018	.0001	.0001	.02	.0001	.0005
%RSD	28.18	136.0	1.191	.1860	.4016	8.850	.2361	6.131	78.78
#1	.0004	-0.0016	1.050	9.645	.0173	.0009	10.36	.0014	-0.012
#2	.0003	.0048	1.028	9.628	.0175	.0007	10.32	.0013	-0.007
#3	.0002	.0050	1.030	9.609	.0175	.0007	10.32	.0012	-0.001
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.003	-0.0009	4.924	0.001	0.6206	0.003	-0.011	0.034	0.0236
Stddev	.0003	.0005	.007	.0001	.0021	.0001	.0004	.0001	.0001
%RSD	79.55	62.10	.1405	195.5	.3459	17.10	34.91	4.161	.2811
#1	.0004	-0.0011	4.926	.0001	.6230	.0003	-0.010	.0033	.0236
#2	.0000	-0.0003	4.916	-0.0001	.6201	.0004	-0.0007	.0035	.0236
#3	.0006	-0.0013	4.929	.0001	.6188	.0003	-0.014	.0033	.0235
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2647.2	5154.4	4088.5	3705.1					
Stddev	5.3	9.8	48.	4.4					
%RSD	.20018	.19006	.11839	.11821					
#1	2641.1	5143.9	4094.1	3700.9					
#2	2650.3	5163.3	4086.2	3704.7					
#3	2650.2	5156.0	4085.2	3709.7					

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7.1
7

Sample Name: FA32054-6 Acquired: 3/11/2016 15:48:49 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.001	0.0162	-0.0001	0.0210	0.000	35.61	-0.0001	0.007	0.003
Stddev	.0001	.0050	.0004	.0004	.000	.13	.0000	.0000	.0001
%RSD	78.55	30.79	407.7	1.771	326.4	.3577	24.51	6.642	56.37
#1	.0002	.0219	.0003	.0212	.0000	35.47	-0.0001	.0007	.0004
#2	.0002	.0141	-0.0005	.0206	.0000	35.64	-0.0001	.0007	.0002
#3	.0000	.0126	-0.0001	.0213	-0.0001	35.72	-0.0001	.0008	.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.010	-0.0005	8.920	8.682	0.0095	0.009	10.80	0.009	-0.006
Stddev	.0003	.0022	.0449	.012	.0001	.0001	.04	.0002	.0007
%RSD	26.41	481.0	5.033	.1430	1.115	5.542	.3615	23.69	118.2
#1	.0013	-0.0027	8.420	8.692	.0095	.0009	10.77	.0011	.0001
#2	.0008	-0.0003	9.055	8.668	.0095	.0009	10.78	.0007	-0.0006
#3	.0010	.0017	9.287	8.686	.0093	.0010	10.84	.0010	-0.0013
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.001	0.0015	4.240	0.000	0.5521	0.002	-0.0019	0.034	0.0188
Stddev	.0012	.0005	.010	.000	.0031	.0000	.0012	.0001	.0001
%RSD	1161.	37.27	.2288	5433.	.5542	9.152	62.86	2.101	.5527
#1	.0009	.0020	4.251	-0.0003	.5490	.0002	-0.0032	.0034	.0189
#2	-0.0013	.0014	4.239	.0001	.5521	.0002	-0.0014	.0035	.0187
#3	.0007	.0009	4.232	.0001	.5551	.0002	-0.0010	.0033	.0187
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2618.6	5093.4	40339.	3662.7					
Stddev	2.2	8.7	65.	13.2					
%RSD	.08476	.17012	.16135	.36064					
#1	2616.1	5086.6	40272.	3663.4					
#2	2620.4	5090.5	40342.	3675.5					
#3	2619.2	5103.2	40402.	3649.2					

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Sample Name: FA32106-13 Acquired: 3/11/2016 15:53:17 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.000	0.0629	0.003	0.0362	-0.0001	38.94	-0.0001	0.008	0.004
Stddev	.000	.0079	.0006	.0000	.0001	.19	.0000	.0002	.0000
%RSD	658.8	12.60	215.3	.0857	81.51	4.885	25.69	21.22	11.81
#1	-0.0002	.0589	-0.0004	.0363	.0000	38.93	-0.0001	.0009	.0003
#2	-0.0002	.0579	.0007	.0362	-0.0001	38.76	-0.0001	.0009	.0004
#3	.0003	.0721	.0005	.0362	-0.0				

Sample Name: CCV Acquired: 3/11/2016 16:02:14 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2463	39.44	2.006	1.970	2.011	39.67	2.030	2.007	2.032
Stddev	.0002	.12	.005	.005	.007	.09	.005	.007	.002
%RSD	.0677	.2959	.2275	.2509	.3458	.2275	.2295	.3358	.0734
#1	.2464	39.43	2.011	1.973	2.007	39.57	2.035	2.014	2.033
#2	.2461	39.56	2.004	1.974	2.019	39.73	2.025	2.000	2.033
#3	.2464	39.32	2.003	1.965	2.006	39.71	2.030	2.008	2.031

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.971	39.30	38.96	39.49	2.061	2.016	39.52	2.037	1.986
Stddev	.002	.07	.01	.08	.004	.005	.11	.005	.008
%RSD	.1039	.1885	.0348	.1975	.1728	.2684	.2908	.2370	.4252
#1	1.970	39.29	38.97	39.56	2.059	2.018	39.48	2.041	1.990
#2	1.969	39.38	38.95	39.50	2.060	2.009	39.64	2.032	1.976
#3	1.973	39.24	38.95	39.40	2.065	2.019	39.42	2.039	1.991

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.988	1.999	1.941	2.039	2.019	2.052	1.997	2.049	2.021
Stddev	.004	.006	.005	.006	.007	.004	.008	.004	.005
%RSD	.1829	.2867	.2495	.2780	.3662	.2065	.3789	.2022	.2304
#1	1.992	2.005	1.941	2.045	2.020	2.048	2.001	2.045	2.026
#2	1.987	1.994	1.936	2.033	2.026	2.052	1.988	2.048	2.017
#3	1.985	1.998	1.946	2.038	2.011	2.056	2.001	2.053	2.021

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/11/2016 16:02:14 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2399.0	5011.1	3959.7	3696.6
Stddev	13.5	14.6	31.	7.2
%RSD	.56099	.29205	.07874	.19515
#1	2391.5	4998.0	39588.	3701.3
#2	2414.5	5026.9	39570.	3688.3
#3	2390.9	5008.4	39631.	3700.1

Sample Name: CCB Acquired: 3/11/2016 16:06:24 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0044	.0005	.0005	.0002	.0017	.0001	.0001	.0002
Stddev	.0002	.0058	.0004	.0004	.0001	.0021	.0000	.0001	.0000
%RSD	224.7	133.8	82.74	84.60	29.30	123.1	23.92	113.8	30.02
#1	.0004	.0103	.0010	.0009	.0002	.0026	.0001	.0000	.0002
#2	-.0001	-.0014	.0001	.0001	.0003	-.0007	.0001	.0002	.0002
#3	.0000	.0042	.0004	.0004	.0001	.0032	.0001	.0000	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0146	.0184	-.0265	.0002	F .0013	.0521	.0002	-.0002
Stddev	.000	.0025	.0203	.0080	.0000	.0002	.0080	.0001	.0003
%RSD	92.02	17.32	110.5	30.12	15.99	17.92	15.34	50.70	152.2
#1	.0000	.0175	.0415	-.0173	.0002	.0016	.0610	.0003	.0001
#2	.0000	.0126	.0099	-.0302	.0002	.0014	.0455	.0001	-.0003
#3	-.0001	.0138	.0037	-.0319	.0002	.0011	.0497	.0002	-.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0000	.0000	.0000	.0003	.0007	.0002	.0000	.0000
Stddev	.0002	.001	.001	.000	.0001	.0002	.0006	.0001	.000
%RSD	118.9	8326.	6577.	982.9	45.83	27.23	290.1	154.7	146.8
#1	.0003	.0002	.0003	.0000	.0004	.0009	.0007	.0000	.0000
#2	-.0001	.0008	.0003	.0003	.0003	.0005	.0004	.0000	.0000
#3	.0003	-.0011	-.0006	-.0004	.0001	.0006	-.0004	.0001	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/11/2016 16:06:24 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2791.8	5243.0	41349.	3680.5
Stddev	5.3	8.9	126.	27.8
%RSD	.18948	.16964	.30367	.75556
#1	2793.7	5250.1	41474.	3707.6
#2	2796.0	5245.9	41223.	3652.0
#3	2785.9	5233.1	41351.	3681.9

Sample Name: MP30101-MB1 Acquired: 3/11/2016 16:10:57 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0040	-0.0003	.0001	.0000	.0135	.0000	-0.0001	.0006
Stddev	.0003	.0054	.0006	.0002	.0000	.0020	.0000	.0000	.0001
%RSD	536.7	133.8	191.6	131.8	10720.	14.58	27.37	52.15	11.72
#1	.0003	.0094	-0.0007	.0002	.0000	.0155	.0000	-0.0001	.0007
#2	.0002	.0041	-0.0007	.0003	.0001	.0133	.0000	.0000	.0006
#3	-0.0003	-0.0014	.0004	-0.0001	-0.0001	.0116	.0000	-0.0001	.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0180	.0330	-0.0185	.0006	.0005	.0517	.0003	-0.0001
Stddev	.0001	.0013	.0140	.0166	.0000	.0001	.0066	.0001	.0005
%RSD	423.3	7.387	42.36	89.76	1.443	24.20	12.77	47.02	404.7
#1	-0.0001	.0180	.0202	-0.0326	.0006	.0006	.0592	.0005	-0.0007
#2	.0001	.0194	.0309	-0.0002	.0006	.0003	.0490	.0002	.0003
#3	.0001	.0167	.0479	-0.0225	.0005	.0004	.0468	.0002	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0013	.0035	.0197	.0001	.0000	-0.0007	.0001	.0014
Stddev	.0004	.0010	.0005	.0003	.0001	.0000	.0003	.0002	.0000
%RSD	54.91	79.78	14.09	1.529	94.51	337.7	45.52	302.7	3.265
#1	.0005	.0001	.0039	.0194	.0001	.0000	-0.0010	.0003	.0014
#2	.0012	.0016	.0036	.0200	.0000	-0.0001	-0.0003	.0000	.0014
#3	.0005	.0021	.0029	.0197	.0001	.0000	-0.0008	-0.0001	.0014

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30101-MB1 Acquired: 3/11/2016 16:10:57 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2818.3	5259.3	42331.	3768.3
Stddev	5.6	4.7	52.	19.9
%RSD	.19930	.08922	.12323	.52847
#1	2824.7	5263.7	42332.	3787.9
#2	2814.8	5260.0	42278.	3748.1
#3	2815.2	5254.4	42382.	3769.1

Sample Name: MP30101-B1 Acquired: 3/11/2016 16:15:30 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0494	29.41	2.090	2.110	.0551	27.43	.0543	.5324	2.183
Stddev	.0004	.16	.005	.003	.0002	.06	.0001	.0010	.0008
%RSD	.8017	.5357	.2307	.1631	.3810	.2144	.1565	.1920	.3842
#1	.0497	29.59	2.091	2.114	.0552	27.49	.0542	.5322	2.189
#2	.0489	29.28	2.085	2.110	.0551	27.41	.0543	.5315	2.174
#3	.0494	29.37	2.094	2.107	.0548	27.38	.0544	.5335	2.187

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2692	28.67	26.49	27.47	.5734	.5399	27.05	.5474	.5175
Stddev	.0004	.10	.09	.21	.0022	.0008	.12	.0016	.0012
%RSD	.1412	.3607	.3460	.7547	.3861	.1391	4.308	.2844	.2296
#1	.2694	28.77	26.59	27.66	.5756	.5399	27.18	.5475	.5174
#2	.2688	28.56	26.48	27.25	.5712	.5392	26.96	.5458	.5163
#3	.2694	28.67	26.40	27.50	.5735	.5407	27.02	.5489	.5187

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5218	2.104	.0228	.5729	.5428	.5913	2.068	.5107	.5429
Stddev	.0011	.000	.0004	.0008	.0023	.0013	.001	.0012	.0013
%RSD	.2170	.0190	1.715	.1461	.4162	.2154	.0492	.2333	.2317
#1	.5209	2.104	.0232	.5731	.5453	.5926	2.068	.5120	.5418
#2	.5214	2.105	.0226	.5719	.5409	.5900	2.069	.5104	.5426
#3	.5231	2.105	.0225	.5735	.5423	.5912	2.067	.5097	.5443

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30101-B1 Acquired: 3/11/2016 16:15:30 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2493.3	5065.0	40212.	3716.9
Stddev	5.5	9.9	72.	28.8
%RSD	.22098	.19495	.17897	.77476
#1	2487.2	5056.2	40204.	3686.4
#2	2497.9	5075.7	40288.	3743.7
#3	2494.8	5063.1	40144.	3720.6

Sample Name: FA32072-7 Acquired: 3/11/2016 16:19:44 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0001	258.9	.1125	2.488	.0088	173.8	.0165	1.569	4.527
Stddev	.0003	.4	.0019	.010	.0001	.2	.0003	.0004	.0003
%RSD	252.4	.1408	1.710	.4114	.7890	.1068	1.620	.2323	.0750
#1	-.0001	259.3	.1137	2.498	.0089	173.6	.0162	1.565	4.526
#2	-.0005	258.8	.1135	2.488	.0088	174.0	.0167	1.572	4.524
#3	.0000	258.6	.1102	2.478	.0087	173.9	.0165	1.569	4.531
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6091	372.1	67.02	116.2	7.403	.0132	4.385	3.666	1.431
Stddev	.0003	.3	.12	.2	.023	.0001	.036	.0011	.003
%RSD	.0477	.0866	.1813	.1599	.3156	.8477	.8333	.3084	.2381
#1	.6088	372.5	67.10	116.2	7.390	.0132	4.425	3.661	1.429
#2	.6094	372.0	67.08	116.0	7.389	.0132	4.355	3.679	1.428
#3	.6091	371.9	66.88	116.4	7.430	.0134	4.375	3.658	1.435
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0039	-.0019	2.460	.0402	.9537	15.82	.0001	7.145	2.199
Stddev	.0014	.0044	.003	.0005	.0035	.02	.0025	.0031	.003
%RSD	36.43	237.5	.1306	1.305	.0316	.1199	2001.	4.824	1.297
#1	.0050	.0000	2.456	.0406	.9578	15.81	.0003	7.135	2.196
#2	.0023	.0013	2.462	.0396	.9522	15.80	.0025	7.120	2.202
#3	.0045	-.0069	2.462	.0405	.9511	15.84	-.0024	7.179	2.199
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2425.8	5846.7	4618.7	4338.6					
Stddev	3.9	11.4	83.	2.8					
%RSD	.16059	.19531	.18014	.06477					
#1	2421.5	5849.9	46248.	4338.4					
#2	2427.0	5834.1	46222.	4335.9					
#3	2429.0	5856.2	46092.	4341.5					

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Sample Name: MP30101-D1 Acquired: 3/11/2016 16:24:19 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0005	262.3	.1121	2.396	.0091	192.8	.0163	1.558	4.534
Stddev	.0009	.6	.0004	.009	.0001	.1	.0002	.0006	.0070
%RSD	169.1	.2337	.3543	.3806	1.243	.0453	1.475	.3630	1.552
#1	-.0005	261.9	.1116	2.388	.0091	192.7	.0163	1.552	4.581
#2	-.0014	263.1	.1122	2.395	.0090	192.9	.0161	1.564	4.453
#3	.0004	262.1	.1124	2.406	.0092	192.9	.0166	1.557	4.568
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6142	371.0	68.51	114.7	7.644	.0142	4.475	3.665	1.373
Stddev	.0070	.9	.08	.2	.150	.0006	.026	.0008	.003
%RSD	1.143	.2554	.1214	.1968	1.957	4.149	.5916	.2119	.1999
#1	.6187	370.4	68.43	114.9	7.746	.0148	4.445	3.667	1.375
#2	.6061	372.1	68.51	114.7	7.472	.0143	4.485	3.656	1.370
#3	.6177	370.5	68.59	114.4	7.713	.0136	4.495	3.672	1.373
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0038	-.0069	2.718	.0407	.9735	16.12	.0005	7.259	2.161
Stddev	.0027	.0014	.002	.0006	.0032	.28	.0020	.0119	.004
%RSD	70.80	20.17	.0649	1.595	.3312	1.723	369.3	1.637	.1694
#1	.0066	-.0070	2.716	.0411	.9702	16.32	-.0017	7.357	2.165
#2	.0013	-.0054	2.717	.0411	.9766	15.81	.0010	7.127	2.159
#3	.0034	-.0082	2.719	.0400	.9736	16.24	.0023	7.293	2.158
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2421.4	5906.6	4599.6	4310.1					
Stddev	1.6	2.3	745.	22.2					
%RSD	.06647	.03978	1.6200	.51415					
#1	2423.1	5908.2	4550.6	4293.4					
#2	2419.9	5903.9	4685.4	4301.7					
#3	2421.1	5907.6	4562.9	4335.3					

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Sample Name: MP30101-SD1 Acquired: 3/11/2016 16:28:55 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0045	304.7	1.327	2.873	.0098	202.6	.0188	1.914	5.452
Stddev	.0034	1.6	.0040	.011	.0009	1.1	.0001	.0005	.0013
%RSD	76.61	5.356	3.032	.3764	8.833	5.545	6.090	2.866	2.383
#1	.0037	304.5	1.354	2.885	.0106	202.1	.0189	1.920	5.452
#2	.0015	303.1	1.280	2.865	.0089	201.8	.0188	1.914	5.465
#3	.0082	306.4	1.346	2.870	.0099	203.9	.0187	1.909	5.439
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6944	447.3	77.84	134.9	9.145	.0152	6.047	4.423	1.479
Stddev	.0034	2.6	.43	1.2	.030	.0020	.033	.0032	.010
%RSD	.4952	.5792	.5514	.9177	.3246	12.84	5.370	7.284	.6465
#1	.6906	447.6	77.84	134.6	9.120	.0130	6.028	4.387	1.469
#2	.6952	444.6	77.41	133.9	9.178	.0157	6.028	4.450	1.488
#3	.6973	449.7	78.27	136.3	9.137	.0168	6.084	4.431	1.480
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0040	-.0034	43.50	.0498	1.118	20.20	.0030	8.518	2.723
Stddev	.0073	.0137	4.77	.0014	.006	.14	.0056	.0031	.002
%RSD	180.5	399.1	10.96	2.781	.5703	.7094	186.4	.3619	.0673
#1	-.0042	.0073	40.25	.0496	1.118	20.03	-.0031	8.509	2.724
#2	-.0097	-.0188	41.27	.0485	1.111	20.27	.0042	8.552	2.721
#3	.0066	.0012	48.97	.0512	1.124	20.29	.0079	8.493	2.725
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2626.9	5368.8	4244.6	3885.4					
Stddev	4.2	4.5	147.	33.7					
%RSD	.15952	.08367	.34632	.86648					
#1	2631.5	5370.6	4252.6	3891.2					
#2	2625.9	5372.1	4227.7	3915.8					
#3	2623.3	5363.7	4253.6	3849.3					

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Sample Name: MP30101-PS1 Acquired: 3/11/2016 16:33:16 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0435	265.1	.2065	2.750	.0537	180.2	.0608	2.018	5.004
Stddev	.0008	1.7	.0009	.018	.0003	.6	.0009	.0014	.0006
%RSD	1.885	.6367	.4352	.6533	.5372	3.409	1.408	6.880	1.169
#1	.0427	264.6	.2066	2.741	.0540	179.5	.0613	2.029	5.003
#2	.0435	263.7	.2074	2.739	.0536	180.2	.0613	2.023	5.000
#3	.0443	267.0	.2056	2.771	.0535	180.7	.0598	2.003	5.011
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7123	379.7	76.28	121.6	7.532	.0964	13.43	4.600	1.507
Stddev	.0028	2.2	.32	.4	.033	.0005	.08	.0036	.014
%RSD	.3982	.5672	.4197	.3506	.4323	.5024	.6073	.7897	.9056
#1	.7155	378.6	75.96	121.5	7.512	.0969	13.37	4.623	1.516
#2	.7113	378.3	76.30	121.2	7.515	.0962	13.40	4.618	1.514
#3	.7100	382.2	76.60	122.0	7.569	.0960	13.52	4.558	1.491
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)</								

Sample Name: MP30101-S1 Acquired: 3/11/2016 16:37:50 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.443	308.8	1.925	4.527	0.070	208.4	0.064	6.096	6.797
Stddev	.0011	4.0	.004	.058	.0008	2.4	.0004	.0013	.0014
%RSD	2.381	1.311	.1948	1.276	1.431	1.138	.5503	.2078	.2132
#1	.0451	304.1	1.924	4.460	.0560	205.7	.0645	6.106	.6781
#2	.0448	310.9	1.922	4.560	.0575	210.1	.0638	6.082	.6801
#3	.0431	311.3	1.929	4.561	.0574	209.3	.0639	6.101	.6809
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	9.402	432.5	92.65	157.8	8.429	4.291	28.76	8.490	2.309
Stddev	.0009	5.5	1.30	2.0	.023	.0016	.36	.0014	.004
%RSD	.0911	1.279	1.404	1.259	.2721	.3812	1.259	.1662	.1543
#1	.9408	426.2	91.15	155.5	8.403	4.307	28.35	8.491	2.309
#2	.9392	435.3	93.51	159.3	8.436	4.275	28.91	8.475	2.312
#3	.9405	436.2	93.29	158.6	8.447	4.290	29.02	8.504	2.305
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.712	1.783	2.688	4.820	1.527	19.13	1.992	1.210	2.924
Stddev	.0024	.002	.002	.0017	.021	.01	.004	.003	.008
%RSD	3.418	1.203	.0856	.3591	1.404	.0273	.2066	.2721	.2807
#1	.0721	1.781	2.686	4.840	1.503	19.12	1.988	1.207	2.934
#2	.0684	1.785	2.691	4.809	1.535	19.13	1.993	1.210	2.920
#3	.0730	1.782	2.687	4.810	1.544	19.13	1.996	1.214	2.918
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2352.0	5708.2	4518.4	4229.9					
Stddev	2.6	11.8	81.	42.0					
%RSD	.11005	.20624	.17825	.99350					
#1	2354.4	5714.5	4527.2	4277.4					
#2	2352.4	5715.6	45167.	4197.5					
#3	2349.3	5694.6	45114.	4215.0					

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Sample Name: MP30101-S2 Acquired: 3/11/2016 16:42:20 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.440	287.1	1.934	4.250	0.052	341.8	0.0635	6.001	6.385
Stddev	.0005	.7	.006	.014	.0002	1.4	.0001	.0011	.0039
%RSD	1.204	.2544	.3064	.3322	.4510	.4146	.1266	.1806	.6142
#1	.0434	286.5	1.932	4.233	.0549	341.3	.0634	5.999	.6342
#2	.0443	287.1	1.941	4.257	.0553	340.7	.0636	6.013	.6394
#3	.0443	287.9	1.929	4.259	.0554	343.4	.0635	5.991	.6419
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	8.432	395.7	89.32	140.0	7.513	4.215	28.01	8.457	2.302
Stddev	.0037	1.2	.40	.9	.016	.0013	.11	.0016	.007
%RSD	.4401	.3102	.4445	.6510	.2143	.3093	.3808	.1865	.3056
#1	.8392	395.4	89.01	140.0	7.504	4.210	27.92	8.446	2.296
#2	.8464	394.6	89.18	139.1	7.503	4.230	27.98	8.475	2.302
#3	.8441	397.0	89.76	141.0	7.531	4.205	28.13	8.451	2.310
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.780	1.805	2.640	4.734	1.446	16.08	1.996	1.125	2.569
Stddev	.0009	.008	.006	.0010	.003	.03	.005	.008	.005
%RSD	1.154	.4596	.2346	.2138	.2021	.1995	.2376	.7345	.1789
#1	.0777	1.806	2.634	4.738	1.442	16.04	1.991	1.116	2.569
#2	.0774	1.812	2.646	4.741	1.447	16.11	1.998	1.131	2.573
#3	.0791	1.796	2.639	4.722	1.448	16.08	2.000	1.128	2.564
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2295.3	5606.5	4580.7	4301.5					
Stddev	7.7	17.1	144.	31.4					
%RSD	.33378	.30511	.31462	.72992					
#1	2304.1	5621.5	4596.1	4306.8					
#2	2290.2	5587.9	4567.5	4329.9					
#3	2291.5	5610.2	4578.7	4267.8					

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Sample Name: FA32071-18 Acquired: 3/11/2016 16:46:52 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.007	300.0	0.809	2.778	0.121	91.54	0.152	1.692	5.120
Stddev	.0008	1.0	.0012	.001	.0001	.56	.0003	.0004	.0035
%RSD	108.6	.3471	1.453	.0212	.8334	.6151	2.152	.2216	.6906
#1	-0.012	300.3	.0806	2.778	.0122	91.52	.0149	1.688	5.125
#2	-0.011	300.8	.0798	2.778	.0120	92.11	.0153	1.696	5.083
#3	-0.002	298.8	.0821	2.779	.0121	90.98	.0155	1.692	5.153
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	4.579	423.2	86.88	106.7	7.638	0.270	9.611	4.196	2.350
Stddev	.0027	1.5	.29	.8	.055	.0002	.025	.0010	.0013
%RSD	.5946	.3560	.3346	.7520	.7237	.7392	.2570	.2304	.5633
#1	4.591	423.5	87.13	106.9	7.618	.0268	9.632	4.206	2.358
#2	4.548	424.5	86.96	107.4	7.595	.0272	9.583	4.187	2.357
#3	4.598	421.5	86.56	105.8	7.700	.0271	9.617	4.194	2.334
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.040	-0.048	2.080	0.221	9.023	11.46	-0.035	7.907	1.226
Stddev	.0030	.0011	.006	.0003	.0010	.09	.0033	.0067	.006
%RSD	74.34	22.67	.2968	1.380	.1152	.7453	92.45	8.441	.5045
#1	.0052	-0.037	2.074	.0222	.9014	11.48	-0.013	7.903	1.232
#2	.0063	-0.046	2.078	.0218	.9020	11.36	-0.020	7.842	1.226
#3	.0006	-0.059	2.086	.0223	.9034	11.53	-0.073	7.975	1.220
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2453.3	6415.1	5110.4	4868.8					
Stddev	7.1	10.0	333.	32.8					
%RSD	.29017	.15658	.65226	.67394					
#1	2446.9	6424.4	5115.2	4865.6					
#2	2452.2	6404.5	5141.1	4837.7					
#3	2461.0	6416.3	5074.9	4903.1					

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Sample Name: FA32071-19 Acquired: 3/11/2016 16:51:28 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.016	265.0	1.102	5.586	0.099	109.3	0.263	1.474	5.566
Stddev	.0006	.5	.0008	.009	.0002	.3	.0004	.0001	.0020
%RSD	37.68	.2063	.7588	.1572	1.566	2.667	1.449	0.363	3.600
#1	.0015	265.2	.1098	5.578	.0101	109.6	.0261	1.475	5.578
#2	.0022	264.4	.1111	5.584	.0098	109.0	.0262	1.474	5.578
#3	.0010	265.5	.1096	5.596	.0099	109.4	.0268	1.475	5.543
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.774	380.1	78.87	89.82	7.061	0.239	4.805	3.977	3.214
Stddev	.003	1.1	.05	.47	.014	.0001	.002	.0009	.006
%RSD	.1474	.2860	.0658						

Sample Name: CCV Acquired: 3/11/2016 16:56:01 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2467	39.29	2.045	1.953	2.026	38.74	2.046	2.027	2.017
Stddev	.0004	.19	.001	.006	.008	.16	.005	.003	.007
%RSD	.1550	.4857	.0294	.3238	.4143	.4114	.2478	.1374	.3675
#1	.2469	39.43	2.046	1.960	2.034	38.91	2.048	2.028	2.022
#2	.2463	39.36	2.045	1.953	2.027	38.73	2.041	2.024	2.008
#3	.2470	39.07	2.045	1.947	2.018	38.59	2.050	2.030	2.020

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.995	39.08	38.42	38.73	2.074	2.048	39.72	2.069	1.981
Stddev	.003	.15	.15	.22	.005	.004	.20	.004	.010
%RSD	.1543	.3850	.3874	.5591	.2577	.2176	.5090	.1989	.5136
#1	1.996	39.22	38.45	38.86	2.078	2.047	39.95	2.070	1.992
#2	1.998	39.09	38.55	38.84	2.068	2.044	39.66	2.064	1.972
#3	1.992	38.92	38.25	38.48	2.076	2.052	39.56	2.072	1.980

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.054	2.037	2.006	2.039	2.045	2.085	2.015	2.059	1.989
Stddev	.005	.008	.005	.006	.009	.003	.004	.006	.005
%RSD	.2339	.3924	.2315	.3063	.4277	.1462	.2256	.2881	.2731
#1	2.056	2.032	2.006	2.042	2.055	2.088	2.020	2.063	1.994
#2	2.049	2.032	2.001	2.031	2.042	2.085	2.011	2.052	1.983
#3	2.058	2.046	2.010	2.043	2.039	2.082	2.016	2.061	1.990

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/11/2016 16:56:01 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2401.9	4932.5	40140.	3784.1
Stddev	2.5	9.7	110.	5.1
%RSD	.10224	.19639	.27404	.13420
#1	2399.1	4939.2	40016.	3785.5
#2	2403.3	4936.9	40228.	3788.3
#3	2403.3	4921.4	40174.	3778.5

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Sample Name: CCB Acquired: 3/11/2016 17:00:13 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0030	.0002	.0003	.0001	.0051	.0001	.0001	.0003
Stddev	.0002	.0094	.0004	.0001	.0001	.0029	.0000	.0001	.0001
%RSD	63.20	318.9	177.2	36.75	47.23	57.02	14.91	55.65	30.71
#1	.0006	-.0078	.0000	.0002	.0002	.0075	.0001	.0001	.0005
#2	.0002	.0072	.0007	.0004	.0001	.0019	.0001	.0001	.0003
#3	.0003	.0095	.0000	.0002	.0001	.0060	.0001	.0002	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0213	.0134	-.0127	.0002	F .0013	.0302	.0001	-.0003
Stddev	.0001	.0026	.0136	.0218	.0000	.0003	.0114	.0002	.0006
%RSD	44.00	12.24	101.6	171.3	5.752	20.87	37.79	166.6	234.8
#1	.0003	.0236	.0041	-.0082	.0002	.0016	.0365	.0004	-.0010
#2	.0001	.0218	.0071	-.0365	.0002	.0013	.0171	-.0001	-.0001
#3	.0002	.0185	.0289	.0065	.0002	.0010	.0372	.0002	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0006	-.0005	-.0003	.0003	.0012	-.0003	.0001	.0000
Stddev	.0002	.0019	.0004	.0001	.0001	.0001	.0003	.0001	.0000
%RSD	124.1	310.8	86.37	20.86	26.08	10.59	87.88	170.3	107.5
#1	.0001	-.0012	-.0008	-.0002	.0003	.0012	-.0005	.0002	.0001
#2	.0003	.0006	.0000	-.0003	.0002	.0011	-.0004	.0001	.0000
#3	.0000	.0025	-.0008	-.0003	.0003	.0013	.0000	.0000	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/11/2016 17:00:13 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2853.2	5276.1	43019.	3937.9
Stddev	2.1	10.2	6.	20.0
%RSD	.07314	.19277	.01337	.50872
#1	2855.6	5287.8	43016.	3927.7
#2	2852.3	5271.0	43016.	3925.1
#3	2851.8	5269.4	43026.	3961.0

Sample Name: FA32071-20 Acquired: 3/11/2016 17:04:46 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 10 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD).

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Sample Name: FA32071-21 Acquired: 3/11/2016 17:09:23 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 10 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD).

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Sample Name: FA32071-22 Acquired: 3/11/2016 17:13:58 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 10 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD).

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Sample Name: FA32071-23 Acquired: 3/11/2016 17:18:32 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 10 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD).

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Sample Name: FA32072-1 Acquired: 3/11/2016 17:23:08 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	300.5	1039	4.933	0.113	146.1	0.312	1.728	5.668
Stddev	0.001	.6	0.027	.004	.0001	.4	.0002	.0003	.0158
%RSD	71.60	.2132	2.588	.0755	1.073	.2525	.4876	.1601	2.785
#1	-0.001	299.8	.1067	4.932	.0114	145.8	.0313	1.725	.5850
#2	-0.003	300.5	.1013	4.937	.0112	146.5	.0311	1.727	.5591
#3	-0.001	301.1	.1036	4.930	.0113	146.1	.0311	1.731	.5564
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	7.011	429.1	92.18	126.0	7.567	0.183	5.339	4.568	4.534
Stddev	0.188	1.6	.24	.2	.146	.0003	.011	.0009	.008
%RSD	2.682	.3615	.2587	.1396	1.928	1.691	.2117	.2003	.1712
#1	.7220	427.4	92.02	125.8	7.735	.0180	5.329	4.577	4.543
#2	.6954	429.5	92.46	126.0	7.502	.0183	5.336	4.567	4.528
#3	.6858	430.4	92.07	126.2	7.466	.0186	5.351	4.559	4.531
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.090	-0.068	2.464	0.768	1.191	12.53	-0.008	7.713	6.778
Stddev	0.014	0.019	.004	.0011	.004	.31	.0053	.0211	.028
%RSD	16.15	28.01	.1604	1.413	.3436	2.457	6.929	2.737	4.130
#1	.0085	-0.080	2.467	.0776	1.187	12.88	-0.037	7.956	6.806
#2	.0106	-0.077	2.460	.0755	1.191	12.40	-0.039	7.605	6.777
#3	.0078	-0.046	2.464	.0771	1.196	12.30	.0053	7.577	6.750
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2424.2	6136.7	4966.7	4583.8					
Stddev	1.5	8.8	1175.	29.4					
%RSD	.06390	.14363	2.3648	.64236					
#1	2422.8	6127.7	4831.5	4617.8					
#2	2425.9	6137.2	5025.6	4565.4					
#3	2424.1	6145.3	5043.1	4568.2					

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Sample Name: FA32072-2 Acquired: 3/11/2016 17:27:43 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.026	275.6	0.981	3.751	0.093	123.3	0.219	1.648	5.676
Stddev	0.004	2.6	.0017	.030	.0002	1.6	.0006	.0010	.0100
%RSD	15.60	.9588	1.758	.8109	1.641	1.280	2.966	.6009	1.696
#1	.0027	272.6	.0997	3.716	.0091	121.5	.0226	1.660	5.685
#2	.0021	277.3	.0963	3.766	.0094	124.4	.0215	1.642	5.666
#3	.0029	276.9	.0985	3.772	.0093	124.1	.0215	1.643	5.679
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	9.521	400.8	79.50	121.5	7.734	0.231	6.139	4.367	3.858
Stddev	0.046	4.1	.91	1.5	.040	.0001	.045	.0009	.024
%RSD	.4782	1.017	1.145	1.243	.5105	.5463	.7413	.2014	.6188
#1	.9557	396.1	78.45	119.8	7.775	.0230	6.087	4.376	3.885
#2	.9470	403.6	80.09	122.5	7.696	.0230	6.174	4.359	3.840
#3	.9536	402.7	79.96	122.3	7.732	.0232	6.155	4.365	3.849
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.069	-0.054	2.794	0.668	1.379	15.78	-0.005	7.316	5.744
Stddev	0.018	0.024	.016	.0008	.009	.06	.0010	.0020	.026
%RSD	26.86	45.02	.5567	1.182	.6846	.3904	200.9	2.677	4.544
#1	.0072	-0.050	2.811	.0677	1.368	15.81	-0.014	7.337	5.771
#2	.0085	-0.032	2.791	.0662	1.385	15.71	-0.005	7.311	5.719
#3	.0049	-0.080	2.781	.0665	1.384	15.81	-0.006	7.299	5.742
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2426.3	5887.3	4748.8	4528.0					
Stddev	11.3	26.9	111.	69.2					
%RSD	.46576	.45722	.23309	1.5283					
#1	2414.3	5856.9	4739.2	4607.6					
#2	2436.8	5908.1	4760.9	4482.3					
#3	2427.8	5897.0	4746.2	4494.1					

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7.1
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Sample Name: FA32072-3 Acquired: 3/11/2016 17:32:19 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	287.1	0.934	2.857	0.089	129.3	0.150	1.889	5.301
Stddev	0.003	.6	.0018	.004	.0000	.5	.0001	.0001	.0034
%RSD	250.6	.1930	1.944	.1264	.2061	4.204	.7729	.0410	.6335
#1	.0002	287.7	.0945	2.853	.0089	129.8	.0149	1.889	5.320
#2	-0.005	286.6	.0944	2.861	.0090	129.4	.0151	1.889	5.321
#3	-0.001	286.9	.0913	2.858	.0089	128.7	.0151	1.888	5.262
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	6.901	419.4	77.74	140.8	8.279	0.109	7.456	4.153	2.217
Stddev	0.011	.9	.17	.8	.048	.0002	.023	.0007	.004
%RSD	.1552	.2128	.2232	.5572	.5741	1.754	.3038	.1615	1.739
#1	.6890	420.4	77.94	141.7	8.316	.0110	7.466	4.155	2.221
#2	.6903	419.2	77.61	140.5	8.295	.0109	7.473	4.159	2.214
#3	.6911	418.7	77.67	140.2	8.226	.0107	7.431	4.146	2.216
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.029	-0.085	2.573	0.453	1.264	19.42	-0.022	7.764	2.977
Stddev	0.0030	0.043	.004	.0009	.002	.06	.0034	.0014	.004
%RSD	104.1	50.28	.1388	2.089	.1581	2.963	154.9	.1838	1.180
#1	.0062	-0.039	2.571	.0459	1.265	19.48	.0008	7.772	2.975
#2	.0019	-0.092	2.572	.0457	1.261	19.42	-0.0060	7.772	2.981
#3	.0005	-0.124	2.577	.0442	1.265	19.36	-0.0015	7.748	2.975
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2413.0	5775.6	4697.4	4516.5					
Stddev	4.3	4.6	164.	28.8					
%RSD	.18008	.07989	.34912	.63708					
#1	2411.6	5778.0	4683.5	4484.2					
#2	2417.9	5770.3	4693.3	4526.2					
#3	2409.6	5778.6	4715.5	4539.3					

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Sample Name: FA32072-4 Acquired: 3/11/2016 17:36:54 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.003	305.3	1.083	3.680	0.100	129.5	0.238	1.944	5.536
Stddev	0.002	.5	.0019	.011	.0002	.2	.0003	.0003	.0017
%RSD	76.62	.1592	1.728	.3056	1.915	.1165	1.228	.1304	.3131
#1	.0000	305.7	1.069	3.691	.0098	129.3	.0240	1.944	5.549
#2	.0005	305.5	1.076	3.668	.0101	129.6	.0234	1.942	5.543
#3	.0005	304.8	1.104	3.680	.0102	129.5	.0239	1.947	5.516
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	7.302	450.9	84.19	149.7	8.695	0.110	5.248	4.473	2.932
Stddev	0.017	.7	.15	.6	.013	.0003	.027	.0013	.002
%RSD	.2307	.1530	.1757	.4220	.1504	2.471	.5140	.2859	.0584
#1	.7301	450.1	84.36	149.0	8.682	.0111	5.279	4.469	2.930
#2	.7319	451.4	84.07	150.3	8.708	.0112	5		

Sample Name: FA32072-5 Acquired: 3/11/2016 17:41:30 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0004	277.0	.0918	2.964	.0103	103.1	.0257	1.682	5.686
Stddev	.0007	1.2	.0037	.013	.0003	.3	.0002	.0030	.0570
%RSD	174.8	.4388	4.078	.4414	3.267	.3223	.7914	1.770	10.02
#1	.0007	276.4	.0903	2.950	.0107	102.9	.0255	1.648	5.644
#2	.0009	276.3	.0890	2.966	.0101	102.9	.0258	1.701	5.345
#3	-.0004	278.4	.0961	2.976	.0101	103.5	.0258	1.697	5.369
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	6873	395.3	81.24	110.6	8.293	0.181	4.699	4.309	3.663
Stddev	.0618	1.6	.39	.3	6.42	.0003	.022	.0010	.018
%RSD	8.992	.4042	.4817	.2698	7.746	1.487	.4695	.2256	.5018
#1	.7586	394.9	80.89	110.5	9.035	.0180	4.713	4.321	3.659
#2	.6505	393.9	81.19	110.4	7.932	.0184	4.673	4.303	3.683
#3	.6527	397.0	81.66	111.0	7.913	.0179	4.709	4.304	3.647
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0071	-0.0047	2.468	0.693	9.701	15.55	-0.0038	7.882	3.138
Stddev	.0032	.0028	.005	.0007	.0043	1.26	.0004	0.768	.006
%RSD	45.07	58.62	.2012	.9460	.4388	8.118	10.59	9.750	1.792
#1	.0085	-.0076	2.464	.0693	.9706	17.01	-.0035	8.769	3.135
#2	.0034	-.0021	2.474	.0700	.9656	14.83	-.0043	7.421	3.144
#3	.0093	-.0045	2.467	.0687	.9741	14.82	-.0037	7.456	3.134
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2397.1	5915.4	45429.	4536.5					
Stddev	7.6	5.5	3581.	14.9					
%RSD	.31862	.09322	7.8828	.32918					
#1	2398.5	5915.1	41295.	4525.3					
#2	2388.9	5910.1	47562.	4553.5					
#3	2404.0	5921.1	47431.	4530.7					

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Sample Name: FA32072-6 Acquired: 3/11/2016 17:46:07 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0014	242.8	1.359	3.061	.0084	253.6	.0296	1.527	5.041
Stddev	.0004	.5	.0016	.005	.0001	.7	.0010	.0027	.0019
%RSD	29.94	.2237	1.183	.1651	1.115	.2741	3.232	1.740	.3695
#1	.0011	243.5	1.341	3.065	.0085	254.0	.0292	1.518	5.031
#2	.0018	242.4	1.364	3.062	.0084	252.8	.0288	1.506	5.063
#3	.0011	242.6	1.372	3.055	.0083	254.0	.0306	1.557	5.030
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	8.014	359.5	68.55	114.4	7.067	0.220	11.23	4.490	2.221
Stddev	.0016	1.0	.23	.4	.028	.0005	.01	.0061	.028
%RSD	.1986	.2655	.3285	.3310	.3984	2.060	.0983	1.349	1.266
#1	.8005	360.5	68.79	114.8	7.034	.0215	11.22	4.466	2.205
#2	.8032	358.6	68.35	114.0	7.086	.0221	11.24	4.446	2.204
#3	.8003	359.3	68.50	114.5	7.080	.0224	11.22	4.559	2.253
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0095	-0.0005	2.580	0.582	1.621	12.32	0.019	6.636	4.219
Stddev	.0019	.0026	.036	.0016	.005	.04	.0020	.0019	.047
%RSD	19.62	500.9	1.411	2.693	.2817	.3032	106.3	.2924	1.116
#1	.0083	.0023	2.566	.0579	1.626	12.32	.0041	6.649	4.196
#2	.0086	-.0009	2.553	.0567	1.619	12.36	.0016	6.644	4.187
#3	.0117	-.0029	2.622	.0598	1.617	12.28	.0000	6.613	4.273
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2448.1	5961.1	48524.	4687.6					
Stddev	28.5	67.0	150.	24.0					
%RSD	1.1639	1.1236	.30827	.51094					
#1	2460.8	5983.2	48668.	4681.2					
#2	2468.1	6014.3	48369.	4714.1					
#3	2415.5	5885.9	48534.	4667.6					

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Sample Name: CCV Acquired: 3/11/2016 17:50:43 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.447	38.99	2.015	1.943	2.003	38.56	2.021	2.005	1.996
Stddev	.0008	.16	.016	.009	.006	.23	.015	.015	.010
%RSD	.3074	.4172	.8134	.4618	.3217	.6048	.7650	.7669	.4920
#1	.2451	39.16	2.032	1.953	2.011	38.82	2.038	2.023	2.000
#2	.2452	38.84	2.014	1.937	1.999	38.41	2.018	2.001	2.003
#3	.2438	38.95	1.999	1.937	2.000	38.44	2.008	1.993	1.985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.963	38.82	37.96	38.37	2.049	2.023	39.24	2.042	1.960
Stddev	.008	.17	.19	.31	.011	.014	.08	.014	.018
%RSD	.4159	.4478	.4964	.8123	.5545	.7085	.2048	.7055	.9120
#1	1.981	38.98	38.17	38.73	2.054	2.038	39.31	2.057	1.980
#2	1.992	38.64	37.80	38.16	2.057	2.020	39.26	2.039	1.953
#3	1.976	38.84	37.90	38.22	2.036	2.010	39.15	2.029	1.947
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.025	2.009	1.975	2.020	2.026	2.061	1.990	2.037	1.971
Stddev	.015	.016	.015	.017	.007	.011	.018	.011	.014
%RSD	.7604	.7745	.7726	.8481	.3583	.5204	.9123	.5236	.7197
#1	2.042	2.026	1.991	2.039	2.034	2.067	2.010	2.047	1.987
#2	2.018	2.007	1.970	2.016	2.022	2.067	1.987	2.038	1.967
#3	2.014	1.995	1.962	2.006	2.021	2.048	1.974	2.025	1.959
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 3/11/2016 17:50:43 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2432.5	5011.8	40538.	3797.4
Stddev	18.5	26.2	115.	22.4
%RSD	.76156	.52276	.28395	.59026
#1	2411.2	4981.8	40513.	3771.6
#2	2444.9	5023.9	40438.	3808.5
#3	2441.3	5029.8	40664.	3812.2

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Sample Name: CCB Acquired: 3/11/2016 17:54:55 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0074	-0.0002	.0002	.0001	.0068	.0001	.0001	.0002
Stddev	.0001	.0050	.0007	.0004	.0000	.0031	.0000	.0001	.0002
%RSD	98.46	67.02	375.9	175.4	50.25	46.01	15.20	93.60	96.29
#1	.0001	.0124	.0002	-0.001	.0001	.0088	.0001	.0001	.0001
#2	.0002	.0075	.0003	.0007	.0000	.0032	.0001	.0002	.0001
#3	.0000	.0024	-0.0010	.0001	.0001	.0083	.0001	.0000	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0208	-0.174	-0.150	.0003	F .0014	.0241	.0000	-0.0003
Stddev	.0002	.0038	.0328	.0263	.0000	.0002	.0050	.0001	.0000
%RSD	66.41	18.16	188.8	175.5	9.732	16.55	20.81	302.6	10.96
#1	.0006	.0181	.0080	.0072	.0003	.0016	.0294	.0002	-0.0003
#2	.0002	.0252	-0.0544	-0.082	.0003	.0012	.0194	-0.001	-0.0003
#3	.0002	.0193	-0.0057	-0.0440	.0003	.0013	.0235	.0001	-0.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-0.0010			

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0018	-0.0008	.0000	.0003	.0012	-0.0006	.0000	.0002
Stddev	.0008	.0006	.0003	.000	.0000	.0001	.0001	.0002	.0000
%RSD	294.0	33.51	42.15	70.00	14.88	7.337	21.74	469.6	8.693
#1	-0.0004	.0011	-0.0008	.0000	.0003	.0012	-0.0008	.0000	.0002
#2	.0011	.0023	-0.0011	-0.001	.0003	.0013	-0.0005	-0.001	.0002
#3	.0000	.0020	-0.0004	.0000	.0002	.0011	-0.0006	.0002	.0002
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 3/11/2016 17:54:55 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2821.0	5202.5	4225.4	3799.9
Stddev	5.6	15.8	117.	24.9
%RSD	.19823	.30437	.27792	.65652
#1	2820.5	5189.4	42184.	3810.0
#2	2815.7	5198.1	42389.	3818.3
#3	2826.9	5220.1	42188.	3771.5

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Sample Name: FA32072-8 Acquired: 3/11/2016 17:59:28 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0016	234.1	.1158	2.752	.0081	160.8	.0391	.1519	.5771
Stddev	.0001	.7	.0014	.010	.0001	.9	.0003	.0000	.0017
%RSD	3.854	.2900	1.210	.3698	1.478	.5532	.7006	.0276	.2883
#1	.0017	234.0	.1144	2.745	.0081	161.0	.0389	.1518	.5756
#2	.0016	233.5	.1158	2.747	.0083	159.9	.0394	.1519	.5789
#3	.0016	234.9	.1172	2.763	.0080	161.6	.0391	.1518	.5769

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.9442	355.7	112.9	104.1	6.397	.0230	5.136	4.620	3.168
Stddev	.0019	.9	.3	.7	.010	.0004	.021	.0016	.006
%RSD	.2063	.2409	.3080	.6690	.1540	1.655	.4037	.3561	.1997
#1	.9456	355.7	112.9	104.1	6.390	.0234	5.128	4.615	3.166
#2	.9420	354.8	112.5	103.5	6.408	.0230	5.121	4.639	3.163
#3	.9451	356.6	113.2	104.9	6.394	.0226	5.160	4.607	3.175

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0086	-0.0003	2.599	.1136	1.050	F 12.56	-0.0023	.6201	5.092
Stddev	.0028	.0033	.003	.0010	.001	.06	.0029	.0005	.009
%RSD	32.67	1328.	.1271	.8512	.1266	4.484	123.2	.0862	.1765
#1	.0099	.0020	2.597	.1145	1.051	12.50	-0.0055	.6198	5.098
#2	.0054	.0013	2.602	.1126	1.049	12.56	-0.0015	.6207	5.082
#3	.0106	-.0041	2.596	.1137	1.052	12.62	.0000	.6198	5.097

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2435.8	5750.5	4632.2	4383.6
Stddev	8.1	15.7	86.	29.0
%RSD	.33113	.27342	.18619	.66168
#1	2444.8	5768.4	46418.	4390.2
#2	2433.3	5738.6	46300.	4408.7
#3	2429.3	5744.6	46250.	4351.8

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Sample Name: FA32072-9 Acquired: 3/11/2016 18:04:05 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0019	280.3	.1189	4.658	.0093	122.8	.0380	.1750	.6832
Stddev	.0004	1.2	.0014	.023	.0002	.7	.0003	.0004	.0025
%RSD	24.06	.4450	1.168	.4902	1.663	.5696	.8829	.2188	.3730
#1	.0024	280.0	.1195	4.658	.0093	122.4	.0383	.1755	.6859
#2	.0017	281.6	.1173	4.682	.0096	123.6	.0376	.1747	.6809
#3	.0016	279.2	.1199	4.636	.0094	122.4	.0381	.1749	.6826

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.090	415.5	77.58	117.4	7.641	.0254	2.800	4.739	6.066
Stddev	.001	2.1	.54	1.0	.012	.0005	.011	.0010	.006
%RSD	.1024	.5016	.6905	.8212	.1512	1.869	.3828	.2077	.1042
#1	1.089	414.6	77.50	117.0	7.646	.0257	2.794	4.750	6.059
#2	1.090	417.9	78.16	118.5	7.628	.0257	2.812	4.737	6.068
#3	1.092	414.1	77.10	116.6	7.649	.0249	2.793	4.730	6.071

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0094	-0.0057	2.324	.1119	.8737	F 14.61	-0.0018	.7617	6.592
Stddev	.0023	.0010	.004	.0009	.0039	.04	.0003	.0024	.013
%RSD	24.06	17.34	.1778	.8234	.4429	2.737	15.11	.3182	.1927
#1	.0119	-0.0068	2.328	.1126	.8747	14.64	-0.0019	.7642	6.577
#2	.0079	-0.0050	2.323	.1123	.8769	14.56	-0.0020	.7594	6.602
#3	.0082	-0.0051	2.320	.1109	.8694	14.63	-0.0015	.7616	6.596

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2432.4	6012.8	4856.6	4636.6
Stddev	4.7	5.7	124.	41.7
%RSD	.19301	.09518	.25624	.89890
#1	2433.6	6006.8	48550.	4661.1
#2	2436.3	6018.2	48698.	4588.4
#3	2427.2	6013.2	48450.	4660.1

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Sample Name: FA32072-10 Acquired: 3/11/2016 18:08:40 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.044	253.5	1.423	3.310	0.093	106.6	0.040	1.957	7.400
Stddev	.0006	.4	.0010	.002	.0002	.2	.0004	.0002	.0010
%RSD	13.06	.1760	.7109	.0655	2.128	.1950	.8783	.0901	.1313
#1	.0038	254.0	.1411	3.311	.0091	106.8	.0402	1.956	7.392
#2	.0044	253.1	.1429	3.312	.0094	106.5	.0402	1.955	7.411
#3	.0050	253.2	.1429	3.308	.0094	106.4	.0408	1.959	7.398
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	1.067	384.1	68.87	90.01	F 10.53	0.271	2.394	4.824	4.569
Stddev	.004	1.4	.23	.37	.06	.0002	.007	.0011	.009
%RSD	.3596	.3556	.3356	.4121	.5942	.8866	.3038	.2222	.1918
#1	1.063	385.7	69.08	90.44	10.47	.0272	2.402	4.812	4.569
#2	1.068	383.2	68.62	89.82	10.59	.0272	2.388	4.830	4.577
#3	1.071	383.6	68.92	89.78	10.52	.0268	2.392	4.831	4.560
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	0.066	-0.033	2.298	1.308	.8938	F 12.25	0.016	7.179	6.491
Stddev	.0012	.0049	.003	.0003	.0024	.07	.0020	.0020	.005
%RSD	18.08	150.3	.1194	.2378	.2680	.5418	128.3	2.763	.0837
#1	.0079	-0.010	2.298	1.305	.8964	12.20	.0036	7.199	6.487
#2	.0064	.0001	2.295	1.307	.8918	12.33	-.0004	7.178	6.497
#3	.0056	-.0089	2.300	1.311	.8932	12.23	.0015	7.159	6.487
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2456.7	6062.1	4828.8	4536.9					
Stddev	2.0	5.3	75	28.3					
%RSD	.08141	.08667	.15509	.62467					
#1	2454.5	6064.6	48347.	4504.2					
#2	2457.1	6065.7	48204.	4554.1					
#3	2458.5	6056.1	48313.	4552.4					

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Sample Name: FA32072-11 Acquired: 3/11/2016 18:13:16 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.010	259.9	1.024	3.887	0.097	148.7	0.0374	1.613	5.309
Stddev	.0002	2.3	.0005	.022	.0001	1.3	.0007	.0013	.0019
%RSD	21.73	.8723	.4905	.5557	.9615	.8430	1.974	.8292	.3664
#1	.0009	259.6	.1018	3.882	.0097	148.7	.0374	1.617	5.289
#2	.0013	257.8	.1026	3.869	.0098	147.5	.0381	1.624	5.308
#3	.0009	262.3	.1027	3.911	.0096	150.0	.0366	1.598	5.328
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	7.062	382.7	80.82	103.0	7.475	0.184	3.918	4.046	2.779
Stddev	.0024	3.4	.60	1.0	.026	.0003	.046	.0030	.020
%RSD	.3364	.8757	.7370	.9718	.3461	1.698	1.169	.7324	.7031
#1	.7052	382.6	80.65	102.7	7.455	.0187	3.898	4.041	2.778
#2	.7089	379.4	80.33	102.1	7.465	.0181	3.886	4.078	2.799
#3	.7045	386.1	81.48	104.1	7.504	.0183	3.971	4.019	2.760
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	0.102	-0.076	2.372	1.050	1.083	F 11.95	-0.025	7.040	F 8.054
Stddev	.0028	.0023	.013	.0018	.008	.06	.0012	.0031	.057
%RSD	27.06	30.68	.5637	1.711	.7360	5.377	47.06	4.408	.7050
#1	.0120	-.0067	2.375	1.061	1.084	11.88	-.0014	7.007	8.047
#2	.0117	-.0058	2.383	1.060	1.074	11.97	-.0023	7.069	8.113
#3	.0070	-.0102	2.357	1.030	1.090	12.00	-.0037	7.045	8.000
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2420.6	6007.7	4827.1	4537.7					
Stddev	11.5	32.8	66	50.9					
%RSD	.47626	.54531	.13747	1.1218					
#1	2422.3	6005.8	48347.	4549.6					
#2	2408.3	5976.0	48238.	4581.6					
#3	2431.1	6041.4	48227.	4481.9					

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Sample Name: FA32072-12 Acquired: 3/11/2016 18:17:51 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.000	295.8	4.261	4.066	0.113	136.9	0.263	1.640	6.182
Stddev	.0004	1.0	.0037	.016	.0001	.5	.0005	.0002	.0020
%RSD	471.7	.3438	.8596	.3932	.6017	.3929	1.943	1.301	.3228
#1	.0001	294.8	4.291	4.058	.0114	136.4	.0269	1.641	6.161
#2	.0004	295.7	4.270	4.056	.0112	136.7	.0260	1.640	6.184
#3	-.0004	296.8	4.220	4.085	.0113	137.5	.0260	1.637	6.201
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	7.767	424.4	96.88	102.4	7.402	0.250	3.349	4.480	1.761
Stddev	.0027	1.5	.33	.3	.026	.0002	.028	.0005	.006
%RSD	.3510	.3591	.3361	.2916	.3511	.8173	.8209	1.182	.3623
#1	.7736	422.8	96.55	102.0	7.384	.0249	3.323	4.486	1.757
#2	.7787	424.6	96.90	102.5	7.431	.0252	3.345	4.478	1.769
#3	.7777	425.8	97.20	102.5	7.390	.0248	3.378	4.476	1.759
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	0.104	-0.097	2.174	1.026	.9551	F 11.50	-0.032	8.022	4.212
Stddev	.0028	.0065	.004	.0014	.0047	.02	.0005	.0014	.007
%RSD	26.90	66.89	.1601	1.343	.4891	2.135	14.78	1.704	.1770
#1	.0122	-.0062	2.177	1.024	.9506	11.48	-.0036	8.036	4.204
#2	.0118	-.0057	2.176	1.014	.9547	11.53	-.0034	8.008	4.213
#3	.0072	-.0171	2.170	1.041	.9599	11.49	-.0027	8.021	4.219
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2428.6	6238.2	4978.1	4697.6					
Stddev	1.3	15.2	115	7.3					
%RSD	.05272	.24444	.23127	.15531					
#1	2428.5	6224.3	49913.	4704.0					
#2	2427.4	6236.0	49709.	4699.2					
#3	2430.0	6254.5	49719.	4689.7					

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Sample Name: FA32072-13 Acquired: 3/11/2016 18:22:26 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.044	202.2	0.854	3.263	0.066	206.1	0.0389	1.320	5.926
Stddev	.0005	.1	.0017	.002	.0001	.4	.0001	.0002	.0042
%RSD	10.98	.0417	2.042	.0731	1.930	.1832	.3790	.1326	.7013
#1	.0048	202.3	.0875	3.263	.0065	206.5	.0387	1.321	5.904
#2	.0039	202.1	.0843	3.266	.0067	205.9	.0389	1.318	5.974
#3	.0045	202.2	.0845	3.261	.0065	205.9	.0390	1.322	5.901
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	8.324	310.7	64.86	96.34	6.439	0.240	4.911	4	

Sample Name: FA32072-14 Acquired: 3/11/2016 18:27:02 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0029	257.7	.0944	4.361	.0091	172.7	.0313	1.532	.5651
Stddev	.0006	.1	.0020	.008	.0001	.4	.0001	.0004	.0016
%RSD	21.35	.0441	2.137	.1877	1.286	.2398	.3984	.2817	.2793
#1	.0032	257.8	.0966	4.352	.0090	172.5	.0312	1.536	.5635
#2	.0032	257.7	.0926	4.362	.0092	172.4	.0313	1.527	.5667
#3	.0022	257.6	.0939	4.368	.0092	173.2	.0315	1.533	.5652
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.9816	372.2	70.20	100.1	7.679	.0223	4.755	4.279	3.835
Stddev	.0058	.8	.08	.1	.005	.0004	.017	.0008	.004
%RSD	.5863	.2033	.1144	.1180	.0681	1.692	.3519	.1938	.1038
#1	.9762	372.9	70.11	100.00	7.674	.0219	4.748	4.270	3.831
#2	.9809	372.4	70.22	100.0	7.679	.0226	4.775	4.283	3.834
#3	.9876	371.4	70.27	100.2	7.684	.0223	4.744	4.285	3.839
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0100	-.0036	2.806	1.296	1.359	12.25	-.0003	6.793	6.601
Stddev	.0022	.0016	.008	.0002	.006	.03	.0022	.0016	.006
%RSD	22.21	44.59	.2730	.1555	.4208	.2391	848.6	.2318	.0906
#1	.0101	-.0051	2.799	1.297	1.362	12.26	.0000	6.779	6.605
#2	.0123	-.0019	2.805	1.293	1.362	12.27	-.0026	6.791	6.594
#3	.0078	-.0039	2.814	1.296	1.353	12.22	.0018	6.810	6.604
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2434.1	5924.2	4753.8	4481.5					
Stddev	2.5	7.4	57.	11.1					
%RSD	.10143	.12460	.11964	.24773					
#1	2435.1	5928.7	4760.3	4475.2					
#2	2436.0	5928.3	4750.9	4494.3					
#3	2431.3	5915.7	4750.1	4474.9					

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Sample Name: MP30098-MB1 Acquired: 3/11/2016 18:31:39 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2873.4	5296.8	43659.	3942.7
Stddev	7.0	5.1	54.	33.0
%RSD	.24394	.09671	.12342	.83604
#1	2876.0	5300.5	43617.	3907.0
#2	2865.4	5290.9	43641.	3972.0
#3	2878.7	5298.9	43720.	3949.2

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Sample Name: MP30098-MB1 Acquired: 3/11/2016 18:31:39 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0110	-.0011	.0005	.0000	.0167	.0000	-.0001	.0006
Stddev	.0002	.0024	.0007	.0002	.000	.0020	.000	.0001	.0002
%RSD	190.6	22.22	59.13	32.24	55.40	12.20	14.06	78.44	27.97
#1	-.0001	.0133	-.0004	.0006	.0000	.0172	.0000	.0000	.0007
#2	.0003	.0112	-.0016	.0006	.0000	.0145	-.0001	-.0002	.0007
#3	.0001	.0084	-.0014	.0003	.0000	.0184	.0000	-.0001	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0437	.0324	-.0112	.0005	.0000	.0268	.0003	.0001
Stddev	.0000	.0038	.0250	.0125	.0000	.0001	.0028	.0000	.0002
%RSD	8.569	8.796	77.23	111.2	9.716	673.3	10.47	5.884	181.3
#1	.0003	.0481	.0181	-.0215	.0005	.0002	.0300	.0003	.0004
#2	.0003	.0407	.0612	-.0150	.0004	.0000	.0261	.0003	.0001
#3	.0004	.0425	.0178	.0027	.0004	-.0001	.0245	.0003	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	.0012	.0041	.0196	.0001	.0026	-.0009	.0001	.0011
Stddev	.0001	.0007	.0005	.0001	.0001	.0002	.0003	.0001	.0000
%RSD	31.54	59.08	13.00	.3453	35.06	8.163	39.37	60.42	1.115
#1	-.0004	.0004	.0041	.0196	.0001	.0028	-.0006	.0002	.0011
#2	-.0004	.0014	.0046	.0196	.0002	.0027	-.0008	.0002	.0011
#3	-.0002	.0019	.0035	.0195	.0001	.0024	-.0013	.0000	.0011
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: MP30098-B1 Acquired: 3/11/2016 18:36:13 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0494	28.83	2.072	2.094	.0546	26.75	.0539	.5295	2.154
Stddev	.0003	.14	.007	.009	.0001	.12	.0002	.0015	.0007
%RSD	.6462	.4836	.3162	.4407	.0930	.4666	.3495	.2831	.3205
#1	.0492	28.84	2.065	2.093	.0546	26.70	.0537	.5279	2.150
#2	.0498	28.97	2.076	2.103	.0547	26.90	.0540	.5296	2.151
#3	.0492	28.69	2.075	2.085	.0546	26.66	.0540	.5309	2.162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2695	27.81	25.92	26.88	.5585	.5414	26.68	.5448	.5057
Stddev	.0007	.07	.06	.13	.0030	.0013	.14	.0016	.0013
%RSD	.2669	.2381	.2375	.4831	.5382	.2344	.5385	.2920	.2592
#1	.2688	27.75	25.98	26.73	.5580	.5400	26.70	.5430	.5053
#2	.2694	27.88	25.91	26.98	.5558	.5418	26.81	.5456	.5046
#3	.2703	27.79	25.86	26.92	.5617	.5425	26.52	.5459	.5071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5227	2.076	.0201	.5652	.5413	.5614	2.041	.5063	.5268
Stddev	.0024	.005	.0006	.0004	.0025	.0021	.006	.0021	.0014
%RSD	.4577	.2547	3.205	.0704	.4677	.3682	.3123	.4183	.2632
#1	.5201	2.070	.0194	.5655	.5412	.5608	2.034	.5050	.5267
#2	.5233	2.080	.0206	.5648	.5439	.5597	2.046	.5052	.5254
#3	.5248	2.077	.0204	.5654	.5388	.5637	2.044	.5088	.5282
Check ?	Chk Pass	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: MP30098-B1 Acquired: 3/11/2016 18:36:13 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2535.7	5076.4	40883.	3715.2
Stddev	2.5	7.6	231.	5.2
%RSD	.09978	.15025	.56449	.13919
#1	2537.1	5085.0	40980.	3710.2
#2	2537.2	5074.0	41050.	3714.7
#3	2532.8	5070.3	40620.	3720.5

Sample Name: FA32075-11 Acquired: 3/11/2016 18:40:28 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	.0003	205.6	.0769	2.632	.0083	146.1	.0281	.1517	.6162
Stddev	.0001	.7	.0030	.009	.0001	.5	.0003	.0004	.0020
%RSD	47.33	.3470	3.884	.3246	1.625	.3356	1.195	.2421	.3294
#1	.0002	204.8	.0752	2.622	.0084	145.8	.0278	.1515	.6146
#2	.0002	205.9	.0803	2.636	.0082	145.9	.0285	.1522	.6156
#3	.0004	206.1	.0751	2.638	.0084	146.7	.0280	.1516	.6185
Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_3710)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.6230	309.9	61.14	75.64	6.634	.0225	2.493	4.348	2.261
Stddev	.0012	1.4	.14	.27	.026	.0002	.025	.0007	.002
%RSD	.1874	.4361	.2297	.3535	.3899	.8038	1.011	.1722	.0836
#1	.6233	308.6	61.01	75.34	6.605	.0226	2.467	4.340	2.260
#2	.6217	309.9	61.11	75.72	6.640	.0225	2.495	4.354	2.261
#3	.6240	311.3	61.29	75.86	6.656	.0223	2.517	4.351	2.264
Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.0057	.0013	3.022	.0551	.7520	11.11	-0.031	5.776	5.297
Stddev	.0013	.0027	.006	.0007	.0039	.04	.0013	.0016	.003
%RSD	23.70	203.2	.2161	1.271	.5177	.3487	42.90	.2786	.0541
#1	.0060	.0030	3.016	.0558	.7475	11.06	-.0025	5.759	5.294
#2	.0042	.0028	3.022	.0549	.7539	11.12	-.0022	5.777	5.296
#3	.0068	-.0018	3.029	.0545	.7545	11.13	-.0046	5.791	5.300
Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S					
Avg	2457.6	5839.6	46879.	4315.4					
Stddev	4.8	6.4	178.	25.6					
%RSD	.19604	.10971	.38013	.59311					
#1	2458.1	5846.9	47055.	4333.3					
#2	2462.2	5836.7	46883.	4326.7					
#3	2452.6	5835.2	46699.	4286.0					

7.1
7

Sample Name: CCV Acquired: 3/11/2016 18:45:05 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	2.497	39.60	2.032	1.982	2.024	39.31	2.047	2.035	2.016
Stddev	.0013	.15	.004	.007	.006	.15	.001	.001	.012
%RSD	.5128	.3837	.1719	.3588	.3128	.3763	.0513	.0688	.5978
#1	.2486	39.42	2.028	1.975	2.017	39.14	2.047	2.034	2.009
#2	.2493	39.67	2.035	1.982	2.027	39.39	2.046	2.035	2.010
#3	.2511	39.70	2.033	1.989	2.029	39.41	2.048	2.037	2.030

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	2.008	39.22	38.44	38.86	2.029	2.047	39.63	2.061	2.008
Stddev	.001	.07	.11	.13	.009	.001	.07	.003	.005
%RSD	.0369	.1888	.2814	.3395	.4202	.0252	.1650	.1224	.2573
#1	2.008	39.22	38.44	38.86	2.029	2.047	39.63	2.061	2.008
#2	2.008	39.22	38.61	39.07	2.046	2.047	39.67	2.063	1.998
#3	2.009	39.35	38.64	39.10	2.041	2.048	39.76	2.066	2.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	2.036	2.030	1.988	2.054	2.047	2.066	2.024	2.057	2.005
Stddev	.002	.003	.003	.001	.003	.009	.003	.009	.002
%RSD	.1125	.1622	.1715	.0611	.1662	.4374	.1570	.4293	.1031
#1	2.036	2.033	1.984	2.054	2.044	2.062	2.026	2.053	2.007
#2	2.035	2.027	1.991	2.053	2.047	2.061	2.020	2.050	2.003
#3	2.039	2.028	1.990	2.055	2.051	2.077	2.025	2.067	2.005

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Sample Name: CCV Acquired: 3/11/2016 18:45:05 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2400.5	4994.6	40399.	3741.2
Stddev	4.0	15.3	196.	14.9
%RSD	.16531	.30587	.48576	.39766
#1	2403.5	5010.8	40520.	3757.9
#2	2402.1	4992.5	40504.	3736.3
#3	2396.0	4980.4	40173.	3729.4

Sample Name: CCB Acquired: 3/11/2016 18:49:23 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0052	.0000	.0005	.0002	.0067	.0001	.0001	.0003
Stddev	.000	.0038	.0004	.0002	.0001	.0039	.0001	.0001	.0000
%RSD	733.0	73.56	36200.	46.15	27.08	58.23	48.99	54.10	19.23

#1 .0000 .0008 -.0002 .0002 .0002 .0111 .0002 .0002 .0003
 #2 -.0002 .0075 .0005 .0007 .0003 .0049 .0001 .0001 .0003
 #3 .0001 .0074 -.0003 .0006 .0002 .0040 .0001 .0001 .0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0157	.0004	.0043	.0003	F .0012	.0228	.0002	-.0001
Stddev	.0001	.0007	.0264	.0215	.0000	.0003	.0030	.0001	.0001
%RSD	12.00	4.631	6226.	501.8	14.37	25.17	13.08	28.86	213.5

#1 .0004 .0165 -.0023 .0030 .0003 .0016 .0196 .0002 -.0001
 #2 .0004 .0154 -.0245 -.0166 .0002 .0012 .0233 .0002 .0001
 #3 .0005 .0151 .0280 .0264 .0003 .0009 .0254 .0003 -.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit .0010
 Low Limit -.0010

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0000	-.0007	.0000	.0002	.0008	.0008	.0002	.0003
Stddev	.0005	.001	.0001	.0002	.0001	.0001	.0006	.0002	.0001
%RSD	176.0	454.7	12.84	1734.	25.81	7.009	74.25	89.53	19.36

#1 .0006 -.0006 -.0006 .0002 .0003 .0009 .0012 .0004 .0003
 #2 -.0004 .0002 -.0007 -.0003 .0003 .0008 .0001 .0003 .0004
 #3 -.0001 .0003 -.0008 .0001 .0002 .0008 .0010 .0000 .0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/11/2016 18:49:23 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2832.7	5280.1	42925.	3859.2
Stddev	6.2	11.3	126.	7.0
%RSD	.22026	.21321	.29273	.18231

#1 2834.7 5279.0 43032. 3866.2
 #2 2825.7 5269.4 42957. 3852.2
 #3 2837.7 5291.8 42787. 3859.1

Sample Name: MP30098-D1 Acquired: 3/11/2016 18:53:56 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref (Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	.0001	187.5	.0705	2.420	.0076	166.0	.0237	.1199	.4999
Stddev	.0004	.3	.0014	.006	.0000	.2	.0001	.0002	.0009
%RSD	255.2	1.752	2.028	2.672	.2152	.1173	.5972	1.944	1.845

#1 .0005 187.8 .0702 2.427 .0076 166.1 .0236 .1199 .5008
 #2 -.0002 187.6 .0720 2.417 .0075 166.1 .0236 .1202 .4989
 #3 .0001 187.1 .0692 2.415 .0076 165.8 .0239 .1197 .4999

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref (Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	
Avg	.5383	273.6	54.15	67.14	6.427	.0179	2.416	3.839	1.789
Stddev	.0014	.5	.14	.24	.046	.0002	.014	.0012	.007
%RSD	.2624	1.889	.2514	.3607	.7197	.8679	.5971	.3085	.4143

#1 .5393 274.1 54.22 67.13 6.466 .0177 2.431 .3839 1.797
 #2 .5367 273.7 54.24 67.39 6.376 .0179 2.415 .3851 1.783
 #3 .5390 273.1 53.99 66.90 6.438 .0179 2.402 .3828 1.787

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref (Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	
Avg	.0045	.0000	2.496	.0492	.7060	F 9.617	-.0012	5.050	5.193
Stddev	.0010	.002	.003	.0005	.0019	.043	.0010	.0019	.004
%RSD	22.78	20260.	.1174	1.035	.2752	4.449	83.36	3.807	.0822

#1 .0033 -.0021 2.496 .0486 .7081 9.612 -.0014 .5065 5.197
 #2 .0051 .0019 2.494 .0494 .7055 9.577 -.0021 .5028 5.188
 #3 .0052 .0002 2.499 .0496 .7043 9.662 -.0001 .5057 5.193

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Stddev	2463.7	5876.3	46847.	4310.9
%RSD	3.7	20.8	91.	22.3
	14931	35337	19380	51834

#1 2466.1 5899.7 46768. 4309.4
 #2 2465.6 5869.3 46946. 4289.4
 #3 2459.5 5860.0 46826. 4334.0

Sample Name: MP30098-SD1 Acquired: 3/11/2016 18:58:35 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref (Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	.0025	248.0	.0880	3.105	.0099	173.8	.0321	.1854	.7530
Stddev	.0004	.7	.0019	.010	.0004	.5	.0001	.0017	.0092
%RSD	14.23	2.944	2.134	3.192	3.840	.3116	.3563	.9432	1.221

#1 .0023 247.7 .0858 3.093 .0101 173.2 .0322 .1834 .7578
 #2 .0023 248.8 .0891 3.110 .0100 174.2 .0320 .1862 .7424
 #3 .0029 247.4 .0890 3.111 .0094 174.0 .0320 .1866 .7588

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref (Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	
Avg	.7262	378.2	72.76	90.03	8.215	.0264	3.473	5.298	2.381
Stddev	.0019	.6	.32	.16	.037	.0009	.011	.0022	.019
%RSD	.2613	1.540	4.434	1.767	.4556	3.295	.3289	.4165	.7853

#1 .7248 378.3 72.39 89.93 8.220 .0263 3.464 .5322 2.368
 #2 .7284 378.7 72.91 90.21 8.175 .0256 3.471 .5278 2.402
 #3 .7255 377.6 72.99 89.94 8.250 .0273 3.486 .5294 2.371

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref (Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	
Avg	.0134	-.0106	32.46	.0668	.8895	15.03	.0037	.6959	6.575
Stddev	.0049	.0030	.51	.0021	.0025	.12	.0026	.0019	.014
%RSD	36.58	28.87	1.576	3.206	.2839	.7657	71.54	.2682	.2136

#1 .0078 -.0072 33.03 .0673 .8891 14.94 .0014 .6968 6.566
 #2 .0167 -.0115 32.30 .0645 .8922 15.00 .0030 .6972 6.591
 #3 .0156 -.0130 32.05 .0687 .8872 15.16 .0066 .6938 6.568

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Stddev	2641.0	5345.1	42738.	3871.6
%RSD	6.1	10.1	74.	5.8
	23258	18804	17377	14994

#1 2642.3 5335.1 42673. 3878.0
 #2 2646.4 5355.2 42819. 3866.6
 #3 2634.3 5345.1 42723. 3870.3

Sample Name: MP30098-PS1 Acquired: 3/11/2016 19:02:56 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0432	204.9	.1685	2.856	.0534	148.9	.0719	.1932	.6451
Stddev	.0002	.5	.0032	.005	.0002	.4	.0001	.0002	.0023
%RSD	.4011	.2439	1.913	.1822	.3712	.2726	.0792	.1097	.3605
#1	.0434	205.2	.1666	2.860	.0534	149.1	.0719	.1930	.6462
#2	.0431	205.1	.1667	2.858	.0536	149.1	.0719	.1932	.6424
#3	.0432	204.3	.1722	2.850	.0532	148.4	.0720	.1935	.6466
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7066	306.8	69.36	78.73	6.484	1.064	11.42	5.155	2.275
Stddev	.0029	.1	.19	.41	.039	.0002	.02	.0009	.007
%RSD	.4072	.0379	.2803	.5222	.6035	.1447	.1714	.1814	.3284
#1	.7034	306.9	69.56	78.98	6.448	1.064	11.45	5.145	2.267
#2	.7075	306.8	69.33	78.94	6.479	1.063	11.41	5.162	2.282
#3	.7090	306.6	69.18	78.25	6.525	1.066	11.41	5.158	2.275
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0974	.0868	2.990	.0949	.7825	10.90	.0925	.6085	5.435
Stddev	.0008	.0014	.003	.0001	.0011	.02	.0041	.0012	.012
%RSD	.8596	1.611	.0882	.1145	.1432	.1875	4.398	1.987	2.142
#1	.0973	.0859	2.992	.0947	.7825	10.93	.0962	.6072	5.422
#2	.0983	.0861	2.987	.0950	.7814	10.89	.0932	.6087	5.445
#3	.0967	.0884	2.990	.0949	.7836	10.89	.0881	.6096	5.437
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2434.9	5807.6	4683.4	4340.1					
Stddev	3.2	4.5	143.	13.3					
%RSD	.13095	.07697	.30524	.30569					
#1	2438.5	5810.4	46944.	4328.0					
#2	2432.5	5809.9	46887.	4337.9					
#3	2433.8	5802.5	46673.	4354.3					

Sample Name: MP30098-S1 Acquired: 3/11/2016 19:07:32 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0385	294.7	1.665	4.911	.0522	176.1	.0732	.5495	.8364
Stddev	.0004	.4	.008	.022	.0001	.3	.0001	.0008	.0015
%RSD	.9514	.1321	.4605	.4522	.2557	.1983	.1329	.1526	.1768
#1	.0388	294.2	1.662	4.885	.0521	176.1	.0731	.5495	.8357
#2	.0380	295.0	1.674	4.926	.0523	176.4	.0732	.5504	.8381
#3	.0386	294.8	1.659	4.921	.0520	175.7	.0733	.5487	.8354
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.9399	402.5	95.82	111.3	7.810	.3612	24.53	8.846	3.090
Stddev	.0011	.8	.12	.2	.037	.0004	.08	.0004	.009
%RSD	.1133	.2030	.1254	.1666	.4695	.1060	.3111	.0430	.3036
#1	.9388	401.8	95.84	111.1	7.837	.3616	24.44	8.850	3.080
#2	.9409	403.4	95.93	111.2	7.769	.3613	24.57	8.847	3.093
#3	.9401	402.2	95.69	111.5	7.826	.3608	24.57	8.842	3.098
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0859	1.591	3.559	.4670	1.312	F 14.23	1.826	1.090	F 11.39
Stddev	.0029	.004	.009	.0013	.005	.02	.010	.002	.03
%RSD	3.380	.2277	.2625	.2837	.3558	.1635	.5370	.1533	.2812
#1	.0853	1.594	3.569	.4680	1.307	14.22	1.819	1.089	11.35
#2	.0834	1.592	3.550	.4676	1.315	14.22	1.837	1.092	11.42
#3	.0891	1.587	3.559	.4655	1.315	14.26	1.821	1.089	11.39
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2378.3	5950.1	4808.0	4519.0					
Stddev	3.2	5.6	38.	22.4					
%RSD	.13330	.09336	.07816	.49596					
#1	2381.5	5948.3	48047.	4511.1					
#2	2378.2	5956.4	48121.	4501.6					
#3	2375.2	5945.7	48073.	4544.3					

Sample Name: MP30098-S2 Acquired: 3/11/2016 19:12:04 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0415	251.7	1.776	4.275	.0533	180.2	.0703	.5654	.7519
Stddev	.0013	.3	.008	.013	.0003	.3	.0002	.0008	.0019
%RSD	3.206	.1245	.4289	.3024	.5594	.1857	.2428	.1440	.2464
#1	.0430	251.5	1.767	4.283	.0532	179.9	.0702	.5648	.7537
#2	.0406	252.0	1.779	4.283	.0536	180.5	.0702	.5650	.7500
#3	.0410	251.5	1.782	4.260	.0530	180.0	.0705	.5663	.7521
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.8360	342.3	80.70	107.7	6.725	.3917	25.13	8.367	2.343
Stddev	.0029	.7	.12	.5	.017	.0012	.05	.0011	.008
%RSD	.3508	.2086	.1539	.4382	.2567	.2944	.1875	.1308	.3312
#1	.8326	341.5	80.76	107.4	6.745	.3905	25.09	8.362	2.336
#2	.8376	342.9	80.78	108.3	6.714	.3920	25.18	8.360	2.352
#3	.8378	342.5	80.56	107.5	6.716	.3927	25.12	8.380	2.342
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0864	1.703	2.983	.4580	1.185	F 12.96	1.903	1.014	5.418
Stddev	.0005	.005	.005	.0015	.002	.03	.005	.001	.007
%RSD	.6263	.2705	.1534	.3304	.2047	.2596	.2554	.0519	.1296
#1	.0860	1.706	2.979	.4595	1.185	13.00	1.900	1.013	5.425
#2	.0870	1.697	2.982	.4578	1.187	12.93	1.909	1.014	5.418
#3	.0862	1.705	2.988	.4565	1.182	12.96	1.901	1.014	5.411
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2398.2	5710.1	4586.4	4255.8					
Stddev	5.6	7.5	103.	14.1					
%RSD	.23193	.13139	.22356	.33140					
#1	2404.1	5717.4	45746.	4271.4					
#2	2393.1	5710.7	45933.	4244.1					
#3	2397.4	5702.4	45913.	4251.7					

Sample Name: FA32075-1 Acquired: 3/11/2016 19:16:36 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0009	264.9	.1258	2.901	.0106	95.45	.0215	1.565	.5995
Stddev	.0004	3.1	.0025	.033	.0002	.94	.0002	.0004	.0059
%RSD	39.54	1.155	2.026	1.151	1.970	.9891	.9424	.2830	.9895
#1	.0010	266.3	.1257	2.912	.0107	96.00	.0213	1.561	.5976
#2	.0013	267.0	.1284	2.929	.0108	95.99	.0216	1.569	.5947
#3	.0006	261.4	.1233	2.864	.0104	94.36	.0217	1.565	.6061
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7655	395.4	86.97	96.21	6.889	.0254	5.196	4.636	2.099
Stddev	.0061	3.9	1.04	1.01	.013	.0000	.043	.0009	.007
%RSD	.7980								

Sample Name: FA32075-2 Acquired: 3/11/2016 19:21:12 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0039	261.1	.0800	3.253	.0109	84.72	.0158	.1687	.5359
Stddev	.0001	.8	.0008	.013	.0001	.27	.0002	.0001	.0037
%RSD	1.397	.2936	.9466	.4127	.9582	.3212	.9949	.0761	.6866
#1	.0039	260.2	.0806	3.242	.0108	84.67	.0160	.1688	.5397
#2	.0038	261.2	.0802	3.250	.0110	84.48	.0158	.1688	.5356
#3	.0039	261.7	.0792	3.268	.0108	85.02	.0157	.1686	.5324
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.8581	373.9	69.06	80.44	F 10.02	.0169	7.992	.3732	2.043
Stddev	.0049	.6	.27	.16	.06	.0002	.033	.0009	.006
%RSD	.5699	.1576	.3845	.1951	.6083	1.207	.4161	.2436	.2791
#1	.8526	373.3	68.99	80.26	10.09	.0171	7.959	.3737	2.049
#2	.8601	373.8	68.83	80.55	9.991	.0168	7.992	.3737	2.040
#3	.8618	374.5	69.35	80.51	9.975	.0168	8.026	.3721	2.039
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0049	-.0037	2.969	.0800	.8323	F 12.43	-.0041	.6997	3.403
Stddev	.0016	.0025	.003	.0004	.0016	.05	.0010	.0041	.003
%RSD	32.28	67.58	.1042	.5265	.1968	.3918	.23.62	.5845	.0956
#1	.0044	-.0009	2.969	.0795	.8308	12.48	-.0033	.7039	3.406
#2	.0037	-.0055	2.973	.0804	.8322	12.38	-.0037	.6995	3.403
#3	.0067	-.0048	2.966	.0800	.8340	12.44	-.0052	.6957	3.399
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2465.1	6163.0	4950.9	4647.0					
Stddev	4.3	13.7	186.	19.6					
%RSD	.17560	.22259	.37558	.42070					
#1	2461.5	6168.5	49296.	4669.5					
#2	2464.0	6147.4	49639.	4634.3					
#3	2469.9	6173.1	49591.	4637.2					

Sample Name: FA32075-3 Acquired: 3/11/2016 19:25:48 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0014	243.0	.0978	2.713	.0091	143.8	.0318	.1465	.6188
Stddev	.0003	.4	.0015	.008	.0001	.4	.0001	.0004	.0022
%RSD	20.42	.1759	1.529	.2993	.9931	.2720	.1592	.2847	.3584
#1	.0011	243.2	.0992	2.719	.0092	143.6	.0319	.1465	.6163
#2	.0017	242.6	.0979	2.704	.0090	143.5	.0318	.1469	.6205
#3	.0015	243.4	.0963	2.717	.0092	144.3	.0318	.1461	.6195
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.7548	353.9	73.85	90.69	F 9.697	.0210	4.936	.4920	2.654
Stddev	.0017	.5	.31	.22	.030	.0003	.015	.0008	.002
%RSD	.2208	.1334	.4226	.2448	.3110	1.293	.3124	.1588	.0622
#1	.7553	354.1	74.06	90.62	9.671	.0208	4.944	.4922	2.652
#2	.7529	353.4	73.49	90.50	9.730	.0213	4.918	.4926	2.654
#3	.7561	354.3	74.00	90.93	9.691	.0209	4.946	.4911	2.656
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0073	-.0064	3.415	.0754	.8474	F 13.27	-.0005	.6732	6.321
Stddev	.0021	.0013	.006	.0003	.0043	.09	.0034	.0014	.009
%RSD	28.28	20.94	.1729	.4043	.5114	.6513	.745.9	.2075	.1459
#1	.0050	-.0075	3.412	.0752	.8511	13.18	.0021	.6718	6.311
#2	.0078	-.0049	3.422	.0758	.8426	13.29	.0008	.6746	6.329
#3	.0090	-.0067	3.413	.0754	.8485	13.35	-.0043	.6733	6.322
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2423.4	5885.1	4733.5	4477.5					
Stddev	7.2	3.0	154.	19.4					
%RSD	.29847	.05173	.32516	.43259					
#1	2421.7	5888.0	47506.	4489.0					
#2	2431.4	5885.2	47294.	4488.4					
#3	2417.3	5881.9	47206.	4455.1					

Sample Name: FA32075-4 Acquired: 3/11/2016 19:30:25 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	262.3	.0971	2.787	.0099	154.9	.0215	.1629	.5617
Stddev	.0002	1.5	.0008	.010	.0001	.8	.0002	.0001	.0020
%RSD	66550.	.5766	.8520	.3546	.5690	.4985	1.125	.0615	.3630
#1	-.0002	260.5	.0962	2.777	.0099	154.1	.0218	.1631	.5594
#2	.0000	263.0	.0979	2.796	.0100	154.9	.0214	.1629	.5626
#3	.0002	263.2	.0973	2.788	.0099	155.7	.0214	.1629	.5631
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.6322	378.7	73.73	96.86	7.391	.0197	3.448	4.283	1.250
Stddev	.0020	2.4	.30	.85	.019	.0001	.009	.0003	.005
%RSD	.3154	.6221	.4135	.8808	.2553	.4802	.2574	.0640	.4100
#1	.6343	376.2	73.39	95.94	7.374	.0196	3.441	4.284	1.256
#2	.6303	379.1	73.98	97.03	7.388	.0198	3.458	4.285	1.245
#3	.6319	380.9	73.82	97.62	7.411	.0198	3.445	4.280	1.249
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0036	-.0048	3.249	.0413	.9665	F 13.43	-.0034	.7118	3.200
Stddev	.0038	.0024	.001	.0006	.0058	.06	.0025	.0031	.002
%RSD	104.2	49.62	.0276	1.494	.5971	.4143	72.96	.4328	.0666
#1	.0062	-.0033	3.249	.0415	.9598	13.39	-.0014	.7082	3.202
#2	-.0007	-.0035	3.250	.0418	.9702	13.41	-.0061	.7134	3.198
#3	.0053	-.0075	3.250	.0406	.9695	13.50	-.0025	.7137	3.202
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2424.9	5991.9	4801.2	4472.6					
Stddev	6.4	8.5	201.	30.2					
%RSD	.26360	.14173	.41775	.67441					
#1	2424.8	5992.8	48187.	4496.7					
#2	2431.4	5999.9	48056.	4482.4					
#3	2418.6	5983.0	47793.	4438.8					

Sample Name: FA32075-5 Acquired: 3/11/2016 19:35:01 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0005	190.3	.0719	2.084	.0072	86.30	.0162	.1270	.4630
Stddev	.0001	.1	.0008	.006	.0000	.27	.0001	.0003	.0014
%RSD	29.69	.0657	1.137	.3098	.4607	.3158	.6726	.2264	.2983
#1	.0004	190.3	.0720	2.077	.0073	85.99	.0161	.1270	.4634
#2	.0004	190.5	.0710	2.085	.0072	86.49	.0161	.1267	.4642
#3	.0007	190.2	.0726	2.090	.0072	86.42	.0163	.1272	.4615
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.5254	284.5	61.47	75.18	5.487	.0196	5.149	3.554	1.171
Stddev	.0027	.3	.13	.03	.015	.0003	.009	.0007	.001
%RSD	.5201	.1168							

Sample Name: CCV Acquired: 3/11/2016 19:39:38 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2498	39.35	2.080	1.971	2.023	39.07	2.088	2.059	2.046
Stddev	.0012	.13	.002	.003	.004	.08	.004	.002	.009
%RSD	.4684	.3224	.0844	.1466	.1816	.1967	.1953	.1024	.4557
#1	.2500	39.44	2.082	1.969	2.025	39.07	2.092	2.061	2.035
#2	.2485	39.40	2.079	1.975	2.026	39.15	2.086	2.059	2.053
#3	.2508	39.20	2.078	1.970	2.019	38.99	2.085	2.056	2.049

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.996	39.18	38.03	38.63	2.090	2.066	39.67	2.108	2.031
Stddev	.003	.09	.04	.05	.012	.000	.07	.004	.004
%RSD	.1642	.2399	.1047	.1384	.5721	.0184	.1643	.2155	.2003
#1	2.000	39.27	38.07	38.69	2.077	2.066	39.69	2.114	2.036
#2	1.995	39.17	38.04	38.62	2.094	2.067	39.72	2.107	2.030
#3	1.994	39.09	37.99	38.59	2.099	2.066	39.60	2.105	2.028

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.071	2.061	2.018	2.072	2.057	2.098	2.050	2.096	2.035
Stddev	.001	.006	.002	.002	.005	.007	.003	.008	.003
%RSD	.0419	.3010	.1014	.0899	.2491	.3565	.1386	.3651	.1643
#1	2.072	2.063	2.020	2.072	2.061	2.090	2.053	2.088	2.038
#2	2.071	2.054	2.016	2.073	2.058	2.100	2.048	2.098	2.036
#3	2.070	2.065	2.018	2.069	2.051	2.104	2.049	2.103	2.031

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/11/2016 19:39:38 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2379.1	4915.7	3980.7	3734.1
Stddev	.6	5.5	134.	11.0
%RSD	.02452	.11106	.33780	.29459
#1	2379.6	4914.0	3995.3	3727.3
#2	2379.2	4911.3	3968.9	3728.2
#3	2378.5	4921.8	3978.0	3746.8

Sample Name: CCB Acquired: 3/11/2016 19:43:50 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0081	-0.002	.0004	.0002	.0039	.0001	.0001	.0003
Stddev	.0003	.0046	.0007	.0005	.0001	.0012	.0000	.0000	.0001
%RSD	116.9	56.60	340.5	135.6	37.19	29.93	32.69	45.67	38.85
#1	.0005	.0090	-0.0009	.0004	.0003	.0037	.0001	.0001	.0004
#2	.0000	.0121	.0001	-0.0002	.0001	.0052	.0002	.0000	.0003
#3	.0001	.0031	.0003	.0008	.0002	.0029	.0001	.0001	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0143	.0229	.0059	.0002	F .0012	.0110	.0001	-0.0003
Stddev	.0001	.0006	.0302	.0084	.0000	.0003	.0049	.0002	.0002
%RSD	40.32	4.218	132.0	141.7	13.02	25.18	44.29	103.6	64.60
#1	.0002	.0150	.0498	.0126	.0003	.0015	.0091	.0003	-0.0001
#2	.0003	.0139	-0.0097	.0087	.0002	.0010	.0074	.0000	-0.0005
#3	.0004	.0141	.0285	-0.0035	.0002	.0010	.0166	.0001	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.0010	-0.0007	.0001	.0002	.0009	.0003	.0000	.0002
Stddev	.0006	.0013	.0006	.0004	.0001	.0001	.0002	.0003	.0001
%RSD	103.9	123.1	88.15	687.2	46.82	11.97	80.12	672.6	23.26
#1	.0002	.0015	-0.0005	.0001	.0003	.0010	.0002	.0002	.0002
#2	.0002	.0020	-0.0002	.0004	.0002	.0009	.0005	-0.0003	.0002
#3	.0013	-0.0004	-0.0013	-0.0003	.0001	.0008	.0001	.0003	.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/11/2016 19:43:50 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2802.8	5218.5	4196.7	3752.1
Stddev	2.9	2.0	106.	11.3
%RSD	.10357	.03917	.25373	.30119
#1	2800.4	5216.2	4208.5	3754.8
#2	2806.0	5220.0	4187.8	3761.8
#3	2801.9	5219.4	4193.8	3739.7

Sample Name: FA32075-6 Acquired: 3/11/2016 19:48:23 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.005	312.1	.1046	2.784	.0124	109.1	.0085	1.883	.5641
Stddev	.0004	1.9	.0010	.012	.0002	.6	.0002	.0002	.0018
%RSD	90.07	.6203	.9810	.4310	1.401	.5665	2.887	1.324	.3249
#1	-.0007	310.3	.1035	2.774	.0125	108.4	.0088	1.883	.5624
#2	-.0000	314.1	.1051	2.797	.0123	109.5	.0083	1.880	.5660
#3	-.0006	312.0	.1054	2.780	.0122	109.4	.0084	1.885	.5638
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(ln2306)	(ln2306)
Avg	.5236	449.0	98.03	129.3	8.672	.0096	15.54	4.274	.4592
Stddev	.0012	2.7	.46	.9	.049	.0000	.09	.0014	.0023
%RSD	.2275	.6050	.4728	.6817	.5672	.4770	.5693	.3303	.5051
#1	.5248	446.5	97.50	128.3	8.628	.0096	15.46	4.290	.4617
#2	.5224	451.9	98.34	130.0	8.725	.0096	15.63	4.268	.4572
#3	.5237	448.7	98.25	129.7	8.664	.0097	15.52	4.264	.4586
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0060	-0.0050	2.776	.0309	1.003	14.11	-0.0056	.7966	1.742
Stddev	.0008	.0018	.006	.0005	.006	.08	.0038	.0029	.004
%RSD	12.72	35.06	.2023	1.684	.6462	.5581	67.57	3.624	2.155
#1	.0059	-.0032	2.772	.0315	.9988	14.06	-.0041	.7955	1.740
#2	.0068	-.0067	2.782	.0308	1.010	14.20	-.0099	.7998	1.739
#3	.0053	-.0053	2.774	.0305	.9996	14.07	-.0028	.7943	1.746
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2395.0	6141.4	49144.	4597.3					
Stddev	4.5	3.4	155.	32.0					
%RSD	.18637	.05481	.31506	.69592					
#1	2390.5	6144.4	49256.	4632.2					
#2	2399.4	6142.1	48968.	4590.3					
#3	2395.2	6137.8	49210.	4569.4					

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Sample Name: FA32075-7 Acquired: 3/11/2016 19:53:00 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0037	253.8	.0976	2.903	.0097	143.7	.0155	1.563	.5205
Stddev	.0001	1.0	.0016	.015	.0001	.7	.0002	.0002	.0017
%RSD	2.489	.3979	1.594	.5210	1.203	.5040	1.281	.0996	.3238
#1	.0037	254.0	.0968	2.904	.0099	143.6	.0156	1.564	.5214
#2	.0037	252.7	.0994	2.888	.0097	143.0	.0157	1.564	.5186
#3	.0038	254.8	.0966	2.918	.0096	144.4	.0153	1.561	.5216
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(ln2306)	(ln2306)
Avg	.7496	414.0	88.83	110.5	7.309	.0142	10.64	3.990	.9595
Stddev	.0010	1.7	.47	.7	.048	.0000	.05	.0006	.0013
%RSD	.1329	.4029	.5274	.6489	.6519	.2896	.4423	.1410	.1343
#1	.7504	413.9	88.91	110.2	7.329	.0143	10.66	3.989	.9586
#2	.7485	412.4	88.33	109.9	7.255	.0143	10.58	3.996	.9609
#3	.7498	415.8	89.26	111.3	7.344	.0142	10.67	3.984	.9588
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0077	-0.0068	2.712	.6390	1.201	F 11.53	-0.0041	.6690	3.015
Stddev	.0030	.0031	.003	.0006	.005	.05	.0013	.0008	.001
%RSD	39.17	45.86	.0947	.0914	.4029	.4716	32.65	1.138	.0477
#1	.0058	-.0091	2.711	.6395	1.202	11.54	-.0054	.6695	3.016
#2	.0112	-.0032	2.709	.6390	1.195	11.47	-.0027	.6681	3.016
#3	.0061	-.0080	2.714	.6384	1.204	11.57	-.0042	.6693	3.014
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2401.3	5900.3	47769.	4508.7					
Stddev	1.8	10.5	147.	24.7					
%RSD	.07371	.17848	.30828	.54878					
#1	2403.3	5912.4	47722.	4506.1					
#2	2400.9	5894.9	47934.	4534.6					
#3	2399.8	5893.5	47651.	4485.3					

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7.1
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Sample Name: FA32074-12 Acquired: 3/11/2016 19:57:36 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0033	259.6	.1440	3.578	.0092	105.8	.0630	1.906	2.064
Stddev	.0005	1.3	.0008	.016	.0002	1.0	.0023	.0043	.036
%RSD	13.58	.5078	.5330	.4489	2.224	.9014	3.611	2.241	1.744
#1	.0034	258.1	.1443	3.565	.0091	104.7	.0656	1.953	2.093
#2	.0028	260.7	.1431	3.596	.0094	106.6	.0612	1.870	2.077
#3	.0037	260.0	.1446	3.572	.0090	106.1	.0623	1.895	2.024
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	1.806	388.9	62.62	90.95	6.487	.0648	3.056	1.287	F 12.95
Stddev	.036	1.8	.36	.91	.110	.0015	.025	.027	.32
%RSD	1.992	.4543	.5675	1.004	1.701	2.262	.8003	2.111	2.501
#1	1.833	386.9	62.22	89.91	6.558	.0663	3.038	1.318	13.32
#2	1.819	390.2	62.92	91.59	6.543	.0634	3.084	1.267	12.72
#3	1.765	389.6	62.71	91.37	6.360	.0647	3.046	1.277	12.81
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0213	-0.0005	2.466	.2097	.8549	F 12.62	-0.0051	.7479	F 11.30
Stddev	.0038	.0031	.049	.0041	.0011	.30	.0024	.0129	.23
%RSD	17.81	598.2	2.003	1.978	.1328	2.350	46.20	1.721	1.999
#1	.0246	-.0027	2.522	.2144	.8540	12.86	-.0026	.7567	11.56
#2	.0172	-.0009	2.428	.2070	.8546	12.70	-.0073	.7539	11.16
#3	.0221	-.0033	2.448	.2076	.8562	12.29	-.0054	.7331	11.19
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2471.8	6007.3	48912.	4506.7					
Stddev	54.2	105.0	891.	33.0					
%RSD	2.1919	1.7476	1.8210	.73245					
#1	2410.3	5887.4	48161.	4541.5					
#2	2512.6	6083.0	48678.	4502.9					
#3	2492.3	6051.4	48986.	4475.8					

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Sample Name: FA32074-13 Acquired: 3/11/2016 20:02:11 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0007	254.3	.0935	3.137	.0098	127.4	.0228	1.560	.8957
Stddev	.0004	.9	.0033	.012	.0001	.2	.0002	.0000	.0038
%RSD	51.96	.3471	3.500	.3660	.5892	.1806	.7334	.0079	.4214
#1	.0010	253.3	.0968	3.124	.0098	127.2	.0230	1.560	.8914
#2	.0008	254.9	.0902	3.146	.0098	127.7	.0226	1.560	.8973
#3	.0003	254.8	.0936	3.141	.0099	127.5	.0228	1.560	.8985
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.7399	363.3	71.12	91.61	7.248	.0306	2.686	6.134	2.363
Stddev	.0012	.8	.33	.23	.029	.0003	.006	.0004	.005
%RSD	.1654	.2254	.4617	.2516	.3972	.9519	.2325	.0694	.1964

Sample Name: FA32074-15 Acquired: 3/11/2016 20:06:46 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0012	248.6	.0888	2.876	.0096	127.1	.0212	.1512	.8156
Stddev	.0005	.0	.0020	.005	.0000	.1	.0001	.0004	.0016
%RSD	39.17	.0197	2.309	.1840	.4500	.0548	.4586	.2320	.1976
#1	.0018	248.6	.0864	2.880	.0096	127.0	.0212	.1516	.8162
#2	.0009	248.5	.0899	2.870	.0096	127.1	.0213	.1509	.8168
#3	.0010	248.6	.0901	2.879	.0096	127.2	.0212	.1511	.8138
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7267	381.3	69.71	87.50	6.888	.0327	2.599	5.904	1.852
Stddev	.0014	.5	.05	.41	.015	.0001	.006	.0003	.004
%RSD	.1911	.1214	.0667	.4641	.2124	.2851	.2460	.0562	.2367
#1	.7254	380.7	69.70	87.44	6.900	.0328	2.606	5.904	1.855
#2	.7266	381.5	69.67	87.93	6.872	.0326	2.594	5.900	1.854
#3	.7282	381.5	69.76	87.12	6.891	.0328	2.596	5.907	1.847
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0073	-0.0066	2.782	.0561	.9091	12.21	-0.0023	6.925	3.358
Stddev	.0038	.0011	.003	.0007	.0006	.04	.0050	.0012	.010
%RSD	51.88	17.24	.1238	1.299	.0709	.3269	215.3	.1723	.2977
#1	.0114	-0.0079	2.786	.0553	.9092	12.23	-0.0044	6.924	3.369
#2	.0038	-0.0058	2.781	.0560	.9084	12.23	-0.0060	6.914	3.352
#3	.0069	-0.0061	2.779	.0568	.9097	12.16	.0034	6.938	3.352
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2434.2	5938.6	4784.4	4470.2					
Stddev	1.0	8.1	69.	21.4					
%RSD	.03934	.13562	.14473	.47914					
#1	2434.1	5942.1	4776.7	4477.1					
#2	2435.1	5944.4	4790.3	4446.1					
#3	2433.2	5929.4	4786.1	4487.2					

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Sample Name: FA32074-16 Acquired: 3/11/2016 20:11:23 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0023	230.6	.0982	3.172	.0087	93.71	.0363	.1527	1.085
Stddev	.0006	.6	.0009	.006	.0001	.28	.0002	.0006	.011
%RSD	24.47	.2690	.9354	.1956	1.403	.3010	.4359	.3646	.9828
#1	.0026	230.2	.0972	3.178	.0087	93.42	.0363	.1525	1.084
#2	.0026	231.3	.0986	3.173	.0089	93.98	.0362	.1523	1.096
#3	.0016	230.3	.0989	3.166	.0086	93.72	.0365	.1533	1.074
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.9342	340.2	67.05	81.25	7.121	.0374	2.341	7.216	4.835
Stddev	.0115	1.4	.26	.45	.031	.0001	.005	.0026	.023
%RSD	1.227	.3987	.3935	.5506	.4397	.3051	.2294	.3625	.4761
#1	.9358	338.7	67.03	80.73	7.088	.0374	2.346	7.189	4.809
#2	.9448	341.4	67.32	81.48	7.151	.0375	2.336	7.218	4.852
#3	.9220	340.4	66.79	81.54	7.123	.0373	2.340	7.241	4.843
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0091	-0.0037	2.503	.1093	.7279	11.48	-0.0021	6.267	6.249
Stddev	.0028	.0013	.002	.0010	.0011	.11	.0016	.0062	.032
%RSD	30.80	35.90	.0594	.8901	.0143	.9826	75.14	.9958	.5188
#1	.0066	-0.0023	2.505	.1103	.7287	11.49	-0.0033	6.291	6.212
#2	.0086	-0.0050	2.502	.1094	.7282	11.58	-0.0028	6.315	6.273
#3	.0121	-0.0039	2.503	.1083	.7267	11.36	-0.0003	6.197	6.263
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2451.0	5838.7	4772.4	4499.1					
Stddev	8.8	12.9	357.	25.9					
%RSD	.35974	.22126	.74724	.57674					
#1	2461.0	5850.1	4777.3	4529.1					
#2	2444.7	5841.2	4734.5	4483.9					
#3	2447.1	5824.7	4805.3	4484.4					

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7.1
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Sample Name: FA32074-17 Acquired: 3/11/2016 20:16:00 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0008	242.5	.0828	2.615	.0098	92.56	.0236	.1559	.5477
Stddev	.0002	.5	.0018	.005	.0000	.07	.0002	.0004	.0017
%RSD	25.66	.2222	2.197	.1823	.2257	.0784	1.013	.2589	.3025
#1	.0008	242.3	.0832	2.620	.0098	92.49	.0235	.1562	.5492
#2	.0009	243.1	.0844	2.614	.0098	92.64	.0234	.1555	.5459
#3	.0006	242.1	.0808	2.611	.0099	92.57	.0239	.1561	.5479
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5538	364.5	83.84	92.31	7.537	.0226	4.312	4.209	2.207
Stddev	.0005	1.0	.08	.29	.045	.0004	.007	.0013	.008
%RSD	.0882	.2873	.0992	.3193	.5989	1.594	.1713	.3026	.3487
#1	.5544	363.9	83.75	92.04	7.502	.0225	4.321	4.195	2.215
#2	.5537	365.7	83.91	92.62	7.522	.0223	4.307	4.216	2.200
#3	.5534	363.8	83.87	92.27	7.588	.0230	4.308	4.218	2.208
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0107	-0.0075	2.522	.0536	.9145	11.86	.0021	6.860	2.762
Stddev	.0022	.0041	.004	.0006	.0028	.06	.0025	.0020	.005
%RSD	20.13	55.10	.1519	1.126	.3083	4.741	116.4	.2866	.1969
#1	.0128	-0.0027	2.518	.0530	.9156	11.79	.0019	6.863	2.756
#2	.0085	-0.0098	2.522	.0535	.9166	11.88	-0.0002	6.839	2.765
#3	.0110	-0.0101	2.526	.0542	.9113	11.90	.0047	6.878	2.765
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2446.4	6048.9	4858.7	4552.9					
Stddev	6.8	11.9	225.	29.3					
%RSD	.27698	.19624	.46346	.64396					
#1	2439.0	6062.2	4876.5	4581.6					
#2	2452.3	6045.0	4866.2	4523.0					
#3	2447.8	6039.5	4833.4	4554.2					

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Sample Name: FA32074-18 Acquired: 3/11/2016 20:20:37 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0019	224.7	.0771	2.543	.0090	122.4	.0201	.1373	.7881
Stddev	.0003	.5	.0005	.007	.0000	.4	.0003	.0001	.0016
%RSD	13.76	.2173	.6026	.2741	.2670	.3579	1.446	.0890	.2039
#1	.0022	224.7	.0772	2.540	.0090	122.9	.0203	.1375	.7880
#2	.0018	225.2	.0766	2.551	.0090	122.2	.0197	.1372	.7866
#3	.0017	224.2	.0776	2.538	.0090	122.1	.0202	.1373	.7898
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7038	332.2	75.55	86.26	8.687	.0217	3.571	3.815	1.281
Stddev	.0023	.9	.22	.41	.033	.0002	.014	.0013	.001
%RSD	.3212	.2634	.2942	.4779	.3823	.8095	.3880	.3469	.0788
#1	.7064	332.4	75.75	86.47	8.702	.0219	3.558	3.804	1.280
#2	.7023	332.9	75.60	86.51	8.649	.0216	3.586	3.829	1.282
#3	.7026	331.2	75.31	85.78	8.711				

Sample Name: FA32074-19 Acquired: 3/11/2016 20:25:14 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.009	264.2	0.965	2.988	0.107	97.72	0.262	1.647	6.736
Stddev	0.005	.9	.0021	.010	.0002	.19	.0003	.0004	.0006
%RSD	51.31	.3449	2.172	.3257	1.560	.1894	1.309	.2587	.0932
#1	-0.009	264.1	.0976	2.988	.0105	97.52	.0261	1.644	6.736
#2	-0.013	263.3	.0978	2.979	.0108	97.75	.0266	1.652	6.742
#3	-0.004	265.1	.0941	2.998	.0109	97.88	.0259	1.646	6.729
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	6.945	392.7	90.94	96.08	7.353	0.280	5.467	4.556	2.868
Stddev	.0009	1.2	.33	.34	.009	.0001	.030	.0011	.004
%RSD	.1310	.2953	.3676	.3569	.1274	.3163	.5421	.2496	.1455
#1	6.937	391.9	90.78	95.79	7.353	0.280	5.450	4.545	2.869
#2	6.955	392.2	90.71	96.46	7.362	0.281	5.450	4.555	2.863
#3	6.943	394.1	91.32	96.01	7.344	0.279	5.501	4.568	2.871
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.089	-0.046	3.321	0.742	8.675	12.23	-0.019	7.460	3.789
Stddev	.0010	.0026	.007	.0004	.0031	.04	.0015	.0004	.005
%RSD	11.33	57.11	.2108	.5773	.3571	.3267	80.08	.0556	.1304
#1	0.078	-0.043	3.322	.0738	.8688	12.24	-0.004	7.465	3.791
#2	0.097	-0.074	3.328	.0747	.8640	12.26	-0.035	7.457	3.783
#3	0.092	-0.022	3.314	.0742	.8698	12.18	-0.018	7.459	3.793
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2424.9	6077.5	4902.0	4634.5					
Stddev	1.0	10.5	160.	13.8					
%RSD	.03986	.17329	.32597	.29859					
#1	2423.9	6075.5	48937.	4644.2					
#2	2424.9	6068.2	48919.	4618.7					
#3	2425.9	6088.9	49205.	4640.6					

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Sample Name: FA32074-20 Acquired: 3/11/2016 20:29:51 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.008	274.6	0.882	2.792	0.116	85.80	0.205	1.753	5.525
Stddev	0.001	.6	.0008	.007	.0001	.09	.0002	.0001	.0018
%RSD	15.82	.2334	.9077	.2382	.7913	.1090	1.018	.0310	.3262
#1	-0.009	274.2	.0883	2.785	.0116	85.71	.0207	1.753	5.524
#2	-0.007	274.3	.0874	2.795	.0115	85.79	.0204	1.753	5.508
#3	-0.009	275.3	.0890	2.797	.0117	85.90	.0203	1.754	5.544
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	6.737	402.8	94.60	101.6	7.891	0.230	6.060	4.431	1.635
Stddev	.0017	1.2	.19	.1	.048	.0002	.011	.0006	.001
%RSD	.2473	.3074	.2058	.0693	.6056	1.065	.1757	.1355	.0533
#1	6.736	402.3	94.43	101.7	7.879	0.233	6.065	4.435	1.634
#2	6.754	401.9	94.56	101.7	7.850	0.230	6.047	4.424	1.635
#3	6.720	404.2	94.81	101.5	7.943	0.228	6.067	4.434	1.636
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.054	-0.045	2.540	0.499	8.042	9.959	-0.030	7.446	2.616
Stddev	.0020	.0010	.004	.0004	.0034	.037	.0032	.0018	.008
%RSD	36.99	22.95	.1478	.7544	.4266	.3678	106.0	.2409	.3093
#1	0.062	-0.056	2.544	.0503	.8021	9.975	-0.047	7.429	2.609
#2	0.032	-0.035	2.536	.0495	.8024	9.917	-0.049	7.444	2.613
#3	0.070	-0.043	2.540	.0500	.8082	9.985	.0007	7.465	2.625
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2427.6	6276.7	5028.7	4675.0					
Stddev	2.2	9.2	196.	18.0					
%RSD	.09180	.14681	.39062	.38538					
#1	2430.2	6277.1	50329.	4669.1					
#2	2426.3	6285.7	50459.	4695.3					
#3	2426.4	6267.3	50073.	4660.7					

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Sample Name: CCV Acquired: 3/11/2016 20:34:27 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.472	39.15	2.049	1.943	2.015	38.77	2.068	2.038	2.027
Stddev	.0006	.13	.003	.008	.005	.08	.003	.002	.001
%RSD	.2602	.3246	.1484	.4076	.2371	.2156	.1539	.0853	.0555
#1	2.478	39.12	2.047	1.946	2.015	38.83	2.066	2.037	2.026
#2	2.465	39.05	2.049	1.934	2.011	38.67	2.072	2.040	2.027
#3	2.472	39.30	2.053	1.950	2.020	38.81	2.067	2.038	2.028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.968	38.99	37.61	38.63	2.078	2.047	39.44	2.068	2.010
Stddev	.003	.10	.15	.12	.004	.002	.07	.002	.001
%RSD	.1687	.2460	.3879	.2981	.1672	.0861	.1745	.0720	.0551
#1	1.987	38.99	37.72	38.75	2.075	2.045	39.43	2.087	2.009
#2	1.985	38.89	37.45	38.52	2.082	2.048	39.39	2.090	2.011
#3	1.991	39.08	37.68	38.62	2.077	2.048	39.52	2.087	2.011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.049	2.031	2.001	2.053	2.044	2.083	2.031	2.068	2.010
Stddev	.006	.003	.002	.004	.009	.001	.003	.003	.007
%RSD	.3167	.1398	.0846	.1845	.4223	.0619	.1581	.1193	.3608
#1	2.050	2.029	2.000	2.050	2.043	2.082	2.028	2.071	2.006
#2	2.042	2.029	2.003	2.057	2.036	2.082	2.035	2.066	2.018
#3	2.055	2.034	2.001	2.051	2.054	2.084	2.031	2.069	2.006
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 3/11/2016 20:34:27 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2403.7	4958.7	40146.	3697.2					
Stddev	4.7	4.5	66.	15.4					
%RSD	.19460	.09169	.16331	.41695					
#1	2405.7	4961.7	40210.	3680.6					
#2	2407.0	4960.9	40148.	3700.2					
#3	2398.4	4953.5	40079.	3711.0					

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Sample Name: CCB Acquired: 3/11/2016 20:38:38 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0111	-0.0003	.0003	.0001	.0036	.0001	.0002	.0003
Stddev	.0002	.0018	.0010	.0002	.0000	.0009	.0000	.0000	.0001
%RSD	61.67	16.12	334.4	72.78	24.12	24.03	24.01	2.327	34.66

#1	.0005	.0123	-0.0004	.0002	.0001	.0046	.0001	.0002	.0002
#2	.0001	.0120	-0.0013	.0002	.0001	.0031	.0001	.0002	.0004
#3	.0003	.0090	.0008	.0006	.0001	.0031	.0001	.0002	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0193	.0198	-0.0340	.0003	F .0012	.0128	.0001	-0.0006
Stddev	.0001	.0042	.0021	.0220	.0000	.0002	.0144	.0001	.0001
%RSD	28.11	21.63	10.57	64.84	7.457	15.85	112.2	76.88	19.53

#1	.0004	.0223	.0186	-.0129	.0003	.0015	.0285	.0001	-0.0006
#2	.0002	.0210	.0222	-.0568	.0003	.0012	.0098	.0002	-0.0007
#3	.0003	.0145	.0186	-.0322	.0003	.0011	.0002	.0001	-0.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit .0010
 Low Limit -.0010

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.0004	-0.0004	-0.0001	.0002	.0010	-0.0002	.0000	.0002
Stddev	.0004	.0012	.0005	.0002	.0002	.0001	.0002	.0000	.0000
%RSD	756.2	280.3	117.3	231.3	79.82	10.29	94.47	173.7	10.73

#1	-.0003	-.0017	.0000	.0000	.0001	.0011	.0000	.0000	.0002
#2	.0004	.0006	-.0009	-.0004	.0004	.0011	-.0002	.0000	.0002
#3	.0000	-.0001	-.0003	.0001	.0001	.0009	-.0004	.0000	.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/11/2016 20:38:38 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2804.3	5191.2	4242.1	3793.0
Stddev	1.0	18.7	25.1	19.8
%RSD	.03464	.36074	.59263	.52106

#1	2805.0	5207.5	42299.	3790.6
#2	2804.7	5195.5	42711.	3774.6
#3	2803.2	5170.7	42255.	3813.9

Sample Name: FA32074-21 Acquired: 3/11/2016 20:43:11 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.0009	284.5	.0833	2.848	.0122	81.32	.0151	.1815	.4894
Stddev	.0009	.7	.0025	.007	.0001	.27	.0002	.0006	.0006
%RSD	102.1	.2569	3.050	.2448	.7208	.3349	1.423	.3224	1.164

#1	-.0019	285.3	.0839	2.855	.0123	81.62	.0153	.1818	.4894
#2	-.0007	284.4	.0855	2.841	.0122	81.26	.0150	.1817	.4888
#3	-.0001	283.8	.0805	2.848	.0121	81.09	.0149	.1808	.4900

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4596	411.0	87.97	103.7	F 8.083	.0181	6.302	4.376	.2051
Stddev	.0001	1.2	.25	.4	.027	.0004	.008	.0020	.0034
%RSD	.0238	.2906	.2814	.3525	.3319	1.951	.1224	.4495	1.638

#1	.4595	411.8	88.26	103.7	8.053	.0177	6.293	4.392	.2039
#2	.4596	411.7	87.82	104.1	8.103	.0180	6.305	4.382	.2089
#3	.4597	409.7	87.84	103.4	8.093	.0184	6.308	4.354	.2025

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0054	-0.0085	2.111	.0206	.8001	F 9.074	-0.0005	.7520	1.300
Stddev	.0032	.0036	.006	.0005	.0008	.001	.0013	.0018	.003
%RSD	59.28	42.23	.3087	2.317	.0960	.0156	237.0	.2349	.2458

#1	.0018	-.0054	2.115	.0210	.8000	9.073	-.0018	.7501	1.296
#2	.0079	-.0075	2.115	.0201	.8009	9.074	-.0005	.7523	1.300
#3	.0066	-.0124	2.104	.0208	.7994	9.076	.0007	.7535	1.302

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2439.6	6323.6	5102.3	4794.5
Stddev	1.8	7.1	49.	23.0
%RSD	.07390	.11220	.09632	.48073

#1	2441.6	6320.8	50985.	4789.2
#2	2438.0	6331.6	51006.	4774.5
#3	2439.3	6318.2	51079.	4819.7

Sample Name: FA32074-22 Acquired: 3/11/2016 20:47:47 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.0010	301.5	.1222	3.983	.0118	111.4	.0259	.1707	.7061
Stddev	.0000	1.4	.0024	.013	.0001	.8	.0003	.0003	.0017
%RSD	3.688	.4514	1.937	.3234	.7084	.7253	1.033	.1792	.2441

#1	.0010	302.6	.1249	3.998	.0118	111.9	.0256	.1704	.7047
#2	.0010	301.8	.1212	3.976	.0117	111.8	.0259	.1710	.7080
#3	.0009	300.0	.1205	3.976	.0119	110.4	.0261	.1708	.7056

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.8496	428.6	91.72	100.8	7.706	.0282	2.606	4.899	3.420
Stddev	.0015	2.1	.45	.8	.021	.0003	.015	.0010	.008
%RSD	.1714	.4883	.4938	.7551	.2759	.9193	.5765	.2021	.2238

#1	.8507	429.9	92.14	101.4	7.707	.0285	2.621	4.887	3.421
#2	.8480	429.7	91.79	101.1	7.727	.0283	2.605	4.906	3.428
#3	.8503	426.2	91.24	99.93	7.685	.0280	2.591	4.902	3.413

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0073	-0.0061	2.861	.0853	.9639	F 12.58	-0.0017	.8271	4.740
Stddev	.0015	.0017	.005	.0002	.0031	.03	.0019	.0037	.018
%RSD	20.55	27.53	.1607	.2339	.3170	252.3	110.5	4.530	.3805

#1	.0088	-.0049	2.857	.0851	.9664	12.61	-.0035	8.268	4.755
#2	.0072	-.0054	2.860	.0855	.9647	12.55	-.0020	8.310	4.745
#3	.0058	-.0080	2.866	.0854	.9605	12.58	.0003	8.236	4.720

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2428.3	6203.0	4945.3	4602.9
Stddev	2.9	14.2	120.	42.8
%RSD	.12055	.22847	.24194	.93072

#1	2430.4	6208.4	49552.	4591.4
#2	2429.6	6213.6	49320.	4567.0
#3	2425.0	6186.9	49487.	4650.4

Sample Name: FA32074-23 Acquired: 3/11/2016 20:52:23 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	288.0	.1012	3.217	.0118	85.99	.0186	.1797	.5249
Stddev	.0003	.2	.0014	.004	.0001	.32	.0005	.0015	.0025
%RSD	144.2	.0794	1.385	.1264	.9587	.3777	2.467	.8247	.4761
#1	-.0005	288.2	.1013	3.219	.0117	85.87	.0185	.1792	.5263
#2	-.0002	287.8	.0998	3.220	.0119	86.35	.0183	.1786	.5264
#3	.0001	287.9	.1026	3.213	.0117	85.74	.0192	.1814	.5220
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5237	416.0	83.23	97.05	7.863	.0264	2.133	.4199	1.211
Stddev	.0007	.2	.02	.31	.037	.0004	.007	.0032	.015
%RSD	.1384	.0600	.0218	.3231	.4765	1.666	.3221	.7716	1.201
#1	.5244	416.3	83.25	96.94	7.901	.0263	2.129	.4193	1.211
#2	.5237	415.8	83.23	97.40	7.862	.0260	2.129	.4169	1.196
#3	.5229	416.0	83.21	96.80	7.826	.0269	2.141	.4233	1.225
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0049	-.0046	2.691	.0495	.7273	11.64	-.0032	8.136	3.016
Stddev	.0014	.0041	.017	.0006	.0026	.10	.0024	.0010	.016
%RSD	27.60	89.27	.6426	1.280	.3514	.8681	.75.39	.1278	.5375
#1	.0034	-.0092	2.682	.0491	.7290	11.73	-.0007	8.124	3.013
#2	.0053	-.0017	2.680	.0491	.7244	11.65	-.0035	8.140	3.001
#3	.0060	-.0027	2.711	.0502	.7285	11.53	-.0054	8.144	3.033
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2490.4	6403.4	51493.	4828.9					
Stddev	23.2	32.4	219.	4.9					
%RSD	.93246	.50614	.42535	.10112					
#1	2495.7	6417.6	51258.	4826.5					
#2	2510.5	6426.3	51529.	4825.7					
#3	2465.0	6366.3	51691.	4834.5					

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Sample Name: FA32074-24 Acquired: 3/11/2016 20:56:58 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0011	296.6	.0887	3.002	.0124	80.01	.0123	.1751	.5151
Stddev	.0012	1.0	.0014	.016	.0001	.43	.0002	.0006	.0003
%RSD	116.1	.3421	1.599	.5432	1.193	.5329	1.386	.3344	.0509
#1	-.0004	295.7	.0883	2.985	.0125	79.85	.0124	.1757	.5149
#2	-.0025	297.7	.0902	3.017	.0123	80.50	.0121	.1748	.5149
#3	-.0003	296.5	.0875	3.004	.0123	79.69	.0122	.1747	.5154
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4814	429.4	91.76	101.6	6.799	.0260	2.236	.3991	.4571
Stddev	.0011	1.6	.56	.4	.027	.0002	.005	.0013	.0018
%RSD	.2280	.3615	.6137	.3514	.4012	.6140	.2202	.3210	.3928
#1	.4804	429.2	91.36	101.8	6.780	.0258	2.241	.4006	.4591
#2	.4812	431.0	92.41	101.8	6.830	.0261	2.236	.3983	.4558
#3	.4826	428.0	91.52	101.2	6.787	.0260	2.232	.3985	.4562
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0059	-.0086	2.967	.0269	.7053	F 13.23	.0005	.8329	1.800
Stddev	.0010	.0026	.008	.0005	.0015	.03	.0011	.0017	.003
%RSD	17.29	30.67	.2555	1.695	.2066	.2606	.235.9	.2032	.1478
#1	.0056	-.0064	2.970	.0274	.7046	13.19	.0018	.8311	1.803
#2	.0051	-.0079	2.958	.0266	.7070	13.24	.0001	.8331	1.798
#3	.0070	-.0115	2.973	.0266	.7043	13.25	-.0004	.8344	1.799
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2433.0	6433.1	51735.	4857.4					
Stddev	2.8	15.6	127.	18.8					
%RSD	.11337	.24237	.24581	.38606					
#1	2433.9	6415.1	51869.	4857.6					
#2	2429.9	6442.6	51616.	4838.5					
#3	2435.2	6441.5	51719.	4876.0					

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Sample Name: CRIA Acquired: 3/11/2016 21:01:33 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0094	.2213	.0102	.1984	.0051	1.023	.0054	.0537	.0106
Stddev	.0003	.0044	.0003	.0008	.0002	.008	.0000	.0002	.0001
%RSD	2.749	1.975	3.301	.3832	3.120	.7540	.8664	.4425	1.248
#1	.0094	.2164	.0098	.1977	.0050	1.019	.0055	.0538	.0106
#2	.0091	.2224	.0104	.1982	.0050	1.018	.0054	.0534	.0105
#3	.0096	.2250	.0103	.1992	.0053	1.032	.0054	.0538	.0108
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0265	.3447	9.697	5.063	.0169	.0491	10.14	.0443	.0048
Stddev	.0001	.0083	.084	.036	.0001	.0002	.02	.0001	.0006
%RSD	.3965	2.394	.8654	.7204	.5777	.3496	.1851	.2804	11.57
#1	.0266	.3532	9.653	5.032	.0170	.0492	10.14	.0444	.0042
#2	.0265	.3440	9.643	5.053	.0168	.0489	10.13	.0442	.0049
#3	.0264	.3367	9.793	5.103	.0169	.0493	10.17	.0444	.0053
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0054	.0111	.0531	.0521	.0102	.0121	.0100	.0496	.0228
Stddev	.0011	.0004	.0006	.0000	.0000	.0002	.0007	.0001	.0001
%RSD	21.04	3.353	1.200	.0447	.1672	1.914	7.031	.2646	.6230
#1	.0067	.0115	.0530	.0521	.0102	.0124	.0100	.0495	.0229
#2	.0050	.0110	.0526	.0522	.0102	.0121	.0107	.0496	.0226
#3	.0045	.0108	.0538	.0521	.0102	.0119	.0093	.0497	.0228
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2684.9	5132.0	40998.	3684.0					
Stddev	4.3	10.2	103.	10.9					
%RSD	.16067	.19873	.25084	.29632					
#1	2684.5	5135.0	41115.	3692.8					
#2	2680.8	5140.4	40920.	3687.3					
#3	2689.4	5120.6	40960.	3671.8					

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Sample Name: ICESA Acquired: 3/11/2016 21:05:59 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-.0006	482.0	.0006	-.0044	.0001	464.9	.0018	-.0008
Stddev	.0001	3.3	.0009	.0002	.0000	1.3	.0001	.0001
%RSD	21.90	.6759	143.8	4.017	67.97	.2788	3.506	8.222
#1	-.0005	485.7	-.0004	-.0046	.0000	463.7	.0017	-.0007
#2	-.0008	479.4	.0008	-.0043	.0000	464.9	.0018	-.0009
#3	-.0005	480.9	.0014	-.0042	.0001	466.3	.0018	-.0009
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.0006	.0000	180.2	.4177	496.3	.0005	-.0007	.5223
Stddev	.0002	.000	.2	.0080	.5	.0000	.0001	.0059
%RSD	31.70	10250.	.1063	1.913	.0938	7.752	15.85	1.128
#1	.0008	.0003	180.4	.4253	496.8	.0005	-.0007	.5209
#2	.0004	.0000	180.1	.4094	496.2	.0006	-.0006	.5173
#3	.0007	-.0003	180.1	.4184	495.9	.0005	-.0008	.5288
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077</	

Sample Name: ICSA Acquired: 3/11/2016 21:05:59 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2143.7	4571.7	36273.	3541.2
Stddev	2.1	5.2	13.	3.4
%RSD	.10025	.11469	.03692	.09558
#1	2144.8	4568.5	36288.	3540.1
#2	2145.0	4577.7	36262.	3545.0
#3	2141.2	4568.8	36268.	3538.6

Sample Name: ICSAB Acquired: 3/11/2016 21:10:38 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F 1.080	F 502.4	1.132	.5129	.5199	482.2	1.006	.4893	.5259
Stddev	.004	3.0	.006	.0011	.0015	5.0	.004	.0007	.0022
%RSD	.3236	.5924	.5157	.2116	.2834	1.033	.3522	.1475	.4235
#1	1.083	503.3	1.138	.5128	.5213	480.8	1.010	.4901	.5255
#2	1.076	499.1	1.127	.5119	.5184	487.7	1.003	.4889	.5239
#3	1.081	504.8	1.132	.5140	.5199	478.1	1.005	.4889	.5283
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5494	190.0	.1372	F 519.4	.5293	.9586	.2783	1.005	.9864
Stddev	.0017	.1	.0269	.6	.0018	.0019	.0087	.004	.0040
%RSD	.3034	.0299	19.58	.1224	.3366	.1973	3.108	.3445	.4082
#1	.5512	190.0	.1665	519.5	.5304	.9594	.2870	1.008	.9910
#2	.5480	190.0	.1136	520.0	.5272	.9565	.2783	1.001	.9846
#3	.5490	189.9	.1315	518.8	.5302	.9600	.2697	1.005	.9836
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.060	1.055	.3022	.9443	1.047	1.039	.9768	.4887	.9864
Stddev	.002	.001	.0016	.0016	.001	.004	.0022	.0016	.0018
%RSD	.1671	.1292	.5208	.1714	.0820	.3445	.2245	.3348	.1831
#1	1.059	1.057	.3041	.9454	1.047	1.042	.9789	.4899	.9885
#2	1.058	1.055	.3013	.9424	1.048	1.035	.9769	.4868	.9852
#3	1.061	1.054	.3014	.9450	1.046	1.040	.9745	.4893	.9855
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2069.6	4496.0	35437.	3427.2					
Stddev	1.3	5.2	106.	6.4					
%RSD	.06283	.11554	.29984	.18819					
#1	2069.6	4492.1	35328.	3428.8					
#2	2068.3	4501.9	35541.	3420.1					
#3	2070.9	4494.0	35442.	3432.7					

7.1
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Sample Name: CCV Acquired: 3/11/2016 21:15:08 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2506	39.77	2.082	1.968	2.043	39.36	2.106	2.073	2.073
Stddev	.0009	.07	.003	.005	.006	.04	.001	.001	.006
%RSD	.3509	.1777	.1641	.2335	.2999	.1096	.0487	.0539	.2959
#1	.2504	39.75	2.079	1.963	2.038	39.34	2.105	2.072	2.080
#2	.2516	39.72	2.085	1.968	2.042	39.33	2.106	2.073	2.069
#3	.2498	39.85	2.084	1.972	2.050	39.41	2.107	2.075	2.070

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.008	39.51	37.99	39.25	2.121	2.079	39.87	2.126	2.046
Stddev	.003	.08	.04	.18	.004	.001	.16	.001	.002
%RSD	.1609	.1997	.0986	.4461	.2089	.0661	.4049	.0494	.0965
#1	2.010	39.47	37.96	39.44	2.124	2.078	39.72	2.126	2.047
#2	2.009	39.46	37.99	39.22	2.116	2.080	39.84	2.126	2.048
#3	2.004	39.60	38.03	39.09	2.123	2.079	40.04	2.127	2.044

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.077	2.055	2.028	2.085	2.070	2.116	2.072	2.118	2.046
Stddev	.003	.004	.002	.002	.007	.003	.007	.002	.002
%RSD	.1529	.2141	.0891	.0954	.3376	.1520	.3417	.0925	.0790
#1	2.075	2.061	2.029	2.086	2.064	2.116	2.068	2.117	2.047
#2	2.076	2.053	2.026	2.083	2.069	2.112	2.067	2.116	2.046
#3	2.081	2.053	2.030	2.085	2.078	2.119	2.080	2.120	2.044

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Sample Name: CCV Acquired: 3/11/2016 21:15:08 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2365.7	4880.8	39427.	3612.3
Stddev	2.8	7.1	79.	3.7
%RSD	.11683	.14490	.20044	.10205
#1	2366.4	4885.4	39447.	3616.5
#2	2368.1	4884.4	39493.	3610.5
#3	2362.7	4872.7	39339.	3609.8

Sample Name: CCB Acquired: 3/11/2016 21:19:21 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0087	.0005	.0003	.0001	.0130	.0001	.0000	.0001
Stddev	.0002	.0016	.0005	.0004	.0000	.0029	.0000	.0000	.0000
%RSD	250.3	18.32	104.1	102.5	4.776	22.30	20.47	88.36	20.43
#1	.0004	.0080	.0003	.0000	.0001	.0150	.0001	.0000	.0001
#2	-.0001	.0076	.0011	.0007	.0001	.0097	.0001	.0000	.0002
#3	.0000	.0106	.0001	.0003	.0001	.0143	.0001	.0000	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0200	.0159	.0010	.0002	F-.0014	.0360	.0001	-.0006
Stddev	.0000	.0046	.0243	.0098	.0000	.0002	.0053	.0002	.0004
%RSD	3.014	23.05	153.1	950.8	20.78	10.99	14.80	277.9	70.09
#1	.0003	.0251	-.0101	.0061	.0002	.0015	.0319	.0001	-.0001
#2	.0004	.0187	.0381	-.0103	.0002	.0015	.0421	.0002	-.0008
#3	.0004	.0162	.0198	.0073	.0001	.0012	.0341	-.0001	-.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit .0010
 Low Limit -.0010

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	.0013	-.0004	.0003	.0002	.0005	-.0002	.0001	.0002
Stddev	.0004	.0008	.0005	.0003	.0001	.0001	.0008	.0002	.0001
%RSD	55.07	61.62	119.8	133.3	26.35	18.04	394.3	227.9	43.48
#1	.0012	.0023	-.0001	.0001	.0002	.0005	-.0003	.0002	.0003
#2	.0008	.0008	-.0002	.0006	.0002	.0005	-.0009	.0002	.0002
#3	.0003	.0009	-.0009	.0000	.0003	.0004	.0006	-.0001	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/11/2016 21:19:21 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2786.8	5171.8	42029.	3740.2
Stddev	3.2	5.4	72.	9.4
%RSD	.11319	.10370	.17144	.25234
#1	2783.1	5167.0	41951.	3729.3
#2	2788.7	5177.6	42043.	3745.6
#3	2788.5	5170.7	42093.	3745.7

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000011	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000083	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000059	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000093	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000011	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000013	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000121	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	0.000006	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000030	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000074	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000023	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	-0.000015	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000035	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	0.000002	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000016	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.000306	0.584647	0.000000	1.000000
Al 396.152 { 85}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.000407	0.227093	0.000000	1.000000
As 189.042 {478}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.000555	0.181596	0.000000	1.000000
Ba 455.403 { 74}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.002147	8.445395	0.000000	1.000000
Be 313.042 {108}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.001047	11.890129	0.000000	1.000000
Ca 317.933 {106}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.005958	0.259160	0.000000	1.000000
Cd 226.502 {449}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.001135	4.790261	0.000000	1.000000
Co 228.616 {447}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.000675	2.591020	0.000000	1.000000
Cr 267.716 {126}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.000178	0.549118	0.000000	1.000000
Cu 324.754 {104}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.005938	0.892774	0.000000	1.000000
Fe 259.940 {130}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.001773	0.177363	0.000000	1.000000
In 230.606 {446}*	3/11/2016 4:46:39	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.011101	0.098356	0.000000	1.000000
Mg 279.079 {121}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.000413	0.028282	0.000000	1.000000
Mn 257.610 {131}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.000618	2.942376	0.000000	1.000000
Mo 202.030 {467}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.001323	1.123308	0.000000	1.000000
Na 589.592 { 57}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.017787	0.417907	0.000000	1.000000
Ni 231.604 {445}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.000399	1.542703	0.000000	1.000000
Pb 220.353 {453}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.000003	0.868063	0.000000	1.000000
Sb 206.833 {463}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.000989	0.249940	0.000000	1.000000
Se 196.090 {472}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.000228	0.130217	0.000000	1.000000
Si 212.412 {459}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.005511	0.331351	0.000000	1.000000
Sn 189.989 {477}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.000547	0.407296	0.000000	1.000000
Sr 407.771 { 83}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.001152	16.003285	0.000000	1.000000
Ti 334.941 {101}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.001662	2.062286	0.000000	1.000000
Tl 190.856 {477}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.001665	0.301441	0.000000	1.000000
V 292.402 {115}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.000820	0.732098	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.000931	2.386152	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999940	0.000062	0.000382	0.001272	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999779	0.007714	0.009174	0.030579	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999936	0.000165	0.000800	0.002666	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999965	0.005697	0.000309	0.001029	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999994	0.003374	0.000073	0.000242	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999668	0.010759	0.003828	0.012762	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999964	0.003258	0.000048	0.000161	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999975	0.001483	0.000099	0.000331	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999906	0.000607	0.000256	0.000852	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999999	0.000073	0.000233	0.000776	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999536	0.008707	0.002820	0.009402	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999895	0.002295	0.035206	0.117354	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999651	0.001204	0.023004	0.076680	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999735	0.005460	0.000043	0.000142	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999954	0.000872	0.000133	0.000443	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999876	0.010585	0.008897	0.029656	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999960	0.001115	0.000170	0.000565	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999929	0.000839	0.000579	0.001931	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999943	0.000215	0.000946	0.003154	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999955	0.000099	0.001643	0.005476	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.999023	0.001180	0.000505	0.001685	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999859	0.000552	0.000304	0.001012	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999988	0.006235	0.000104	0.000348	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999919	0.002120	0.000103	0.000344	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999998	0.000045	0.000965	0.003216	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999980	0.000366	0.000243	0.000810	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999933	0.002230	0.000072	0.000241	OK	1.000000	0.000000	1	0

Sample Name: Blank Acquired: 4/13/2016 10:13:44 Type: Cal
Method: 60102007_042011(v59) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.001	.0027	-0.0007	.0055	.0022	.0028	-0.0009	-0.0003	.0000
Stddev	.0001	.0007	.0001	.0018	.0010	.0004	.0003	.0004	.000
%RSD	120.0	26.18	19.70	31.94	44.44	14.68	30.19	111.2	786.8
#1	-.0001	.0022	-.0008	.0073	.0029	.0028	-.0007	-.0000	.0000
#2	-.0002	.0035	-.0006	.0038	.0026	.0032	-.0008	-.0003	.0000
#3	-.0000	.0024	-.0008	.0055	.0011	.0024	-.0012	-.0007	-.0001

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0062	.0027	-0.0017	-0.0006	.0010	.0017	-0.0014	-0.0002	.0004
Stddev	.0001	.0002	.0041	.0003	.0001	.0001	.0008	.0002	.0004
%RSD	1.300	8.096	240.1	44.37	5.762	5.823	10.20	83.06	111.6
#1	.0061	.0026	-.0001	-.0009	.0010	.0018	-.0090	-.0000	.0008
#2	.0062	.0030	.0013	-.0006	.0010	.0017	-.0074	-.0002	.0002
#3	.0062	.0027	-.0004	-.0004	.0011	.0016	-.0081	-.0004	.0001

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0009	-0.0002	.0041	.0006	.0027	.0025	-0.0014	-0.0005	.0010
Stddev	.0000	.0002	.0001	.0002	.0016	.0001	.0002	.0001	.0002
%RSD	4.203	135.3	3.639	38.57	59.55	3.617	13.11	11.66	18.03
#1	.0009	.0001	.0040	.0008	.0043	.0026	-.0013	-.0005	.0011
#2	.0009	-.0002	.0040	.0003	.0025	.0026	-.0012	-.0005	.0012
#3	.0008	-.0004	.0042	.0006	.0012	.0024	-.0016	-.0006	.0008

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2713.2	5073.5	4183.3	3766.7
Stddev	5.2	5.1	14.5	14.5
%RSD	.19325	.10010	.34597	.38538
#1	2709.3	5072.1	4197.0	3761.4
#2	2711.3	5069.3	4168.2	3783.2
#3	2719.2	5079.1	4184.9	3755.7

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Sample Name: LowStd Acquired: 4/13/2016 10:18:26 Type: Cal
Method: 60102007_042011(v59) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0342	2.331	.0808	4.117	5.568	2.559	2.352	1.285	2.653
Stddev	.0003	.005	.0003	.011	.007	.018	.001	.001	.0013
%RSD	.8546	.2351	.3434	.2676	.1262	.6886	.0421	.0621	.5007
#1	.0338	2.328	.0811	4.105	5.571	2.574	2.353	1.286	2.657
#2	.0343	2.337	.0808	4.126	5.572	2.564	2.353	1.285	2.639
#3	.0344	2.328	.0806	4.121	5.560	2.540	2.351	1.285	2.665

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4415	1.746	1.045	2.588	1.448	.5193	4.427	.7851	.3911
Stddev	.0027	.006	.004	.011	.008	.0014	.010	.0009	.0016
%RSD	.6039	.3340	.3449	.4256	.5440	.2664	.2334	.1139	.4179
#1	.4396	1.752	1.046	2.585	1.450	.5209	4.426	.7852	.3897
#2	.4445	1.746	1.049	2.600	1.439	.5184	4.437	.7859	.3929
#3	.4403	1.740	1.041	2.578	1.454	.5185	4.417	.7841	.3906

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1180	.0567	.1924	.1866	8.105	1.019	.1311	.3467	1.154
Stddev	.0003	.0003	.0004	.0005	.018	.004	.0008	.0018	.001
%RSD	.2335	.5394	.2230	.2691	.2174	.3490	.5835	.5062	.0970
#1	.1177	.0571	.1925	.1869	8.100	1.018	.1302	.3466	1.153
#2	.1181	.0565	.1928	.1868	8.125	1.016	.1316	.3450	1.155
#3	.1183	.0567	.1920	.1860	8.090	1.023	.1314	.3485	1.155

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2566.1	5037.4	4131.3	3725.1
Stddev	5.3	6.2	16.9	24.0
%RSD	.20833	.12308	.40831	.64443
#1	2567.2	5030.6	4140.0	3728.1
#2	2560.3	5038.7	4142.0	3699.8
#3	2570.8	5042.8	4119.9	3747.5

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7.2
7

Sample Name: MidStd Acquired: 4/13/2016 10:21:57 Type: Cal
Method: 60102007_042011(v59) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1375	8.939	.3426	17.11	22.79	9.740	9.583	5.221	1.077
Stddev	.0001	.028	.0004	.06	.06	.040	.023	.006	.004
%RSD	.0987	.3160	.1292	.3512	.2777	.4105	.2410	.1063	.3744
#1	.1376	8.919	.3429	17.12	22.77	9.716	9.570	5.218	1.073
#2	.1375	8.927	.3429	17.05	22.74	9.717	9.610	5.227	1.076
#3	.1373	8.972	.3421	17.17	22.86	9.786	9.569	5.217	1.081

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.791	6.340	4.067	.9951	5.848	2.106	17.10	3.171	1.647
Stddev	.001	.016	.019	.0034	.009	.000	.06	.003	.005
%RSD	.0598	.2512	.4773	.3445	.1613	.0197	.3245	.0819	.3274
#1	1.790	6.343	4.068	.9913	5.840	2.106	17.10	3.171	1.647
#2	1.792	6.323	4.047	.9981	5.846	2.106	17.04	3.173	1.653
#3	1.790	6.354	4.086	.9958	5.859	2.106	17.15	3.168	1.642

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4916	.2379	.7923	.7475	33.05	4.154	5.474	1.411	4.691
Stddev	.0009	.0005	.0010	.0011	.12	.004	.0021	.001	.012
%RSD	.1845	.2006	.1297	.1528	.3664	.1077	.3817	.0878	.2550
#1	.4925	.2381	.7926	.7464	33.09	4.154	5.466	1.412	4.684
#2	.4917	.2382	.7912	.7486	32.92	4.149	5.498	1.412	4.705
#3	.4907	.2373	.7932	.7475	33.15	4.157	5.458	1.410	4.684

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2326.8	4799.3	3955.2	3633.3
Stddev	4.5	9.4	10.8	11.0
%RSD	.19543	.19659	.27255	.30141
#1	2331.2	4809.7	3965.5	3642.1
#2	2322.1	4796.9	3955.9	3636.7
#3	2327.1	4791.3	3944.0	3621.0

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Sample Name: HighStd Acquired: 4/13/2016 10:25:15 Type: Cal
Method: 60102007_042011(v59) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2782	17.79	.6897	34.17	45.00	19.20	18.72	10.23	2.093
Stddev	.0010	.02	.0015	.06	.08	.06	.01	.01	.012
%RSD	.3617	.0957	.2222	.1758	.1824	.3141	.0600	.1231	.5703
#1	.2793	17.81	.6880	34.24	45.03	19.27	18.73	10.22	2.106
#2	.2777	17.78	.6909	34.17	45.06	19.16	18.71	10.24	2.083
#3	.2775	17.78	.6902	34.12	44.91	19.16	18.73	10.24	2.091

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.543	12.73	8.158	1.974	11.13	4.151	34.23	6.199	3.320
Stddev	.005	.03	.018	.009	.08	.004	.03	.009	.004
%RSD	.1492	.2116	.2160	.4400	.6781	.1091	.0803	.1488	.1344
#1	3.537	12.76	8.172	1.984	11.19	4.146	34.26	6.193	3.323
#2	3.545	12.71	8.138	1.968	11.05	4.153	34.21		

Sample Name: HSTD Acquired: 4/13/2016 10:29:19 Type: QC
 Method: 60102007_042011(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5017	79.81	4.014	4.027	4.004	79.85	3.971	3.970	3.963
Stddev	.0017	.37	.001	.023	.019	.49	.001	.001	.006
%RSD	.3326	.4687	.0323	.5818	.4783	.6086	.0262	.0321	.1575

#1	.5030	79.59	4.012	4.028	3.995	79.46	3.971	3.970	3.970
#2	.5023	79.59	4.014	4.003	3.990	79.69	3.972	3.971	3.960
#3	.4998	80.24	4.015	4.050	4.026	80.39	3.970	3.968	3.958

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.969	79.81	80.16	79.68	3.950	3.980	80.10	3.972	4.025
Stddev	.018	.49	.38	.89	.014	.002	.33	.002	.012
%RSD	.4507	.6128	.4784	1.112	.3481	.0373	.4067	.0485	.3011

#1	3.965	79.33	80.05	78.78	3.958	3.981	80.22	3.973	4.011
#2	3.988	79.78	79.85	79.70	3.934	3.981	79.73	3.973	4.033
#3	3.953	80.31	80.59	80.56	3.957	3.978	80.35	3.970	4.032

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.011	4.004	3.926	3.960	4.003	3.967	3.995	3.996	3.981
Stddev	.007	.002	.007	.003	.018	.024	.013	.002	.004
%RSD	.1875	.0596	.1731	.0867	.4613	.6148	.3226	.0466	.0951

#1	4.002	4.002	3.921	3.963	3.995	3.984	3.982	3.996	3.984
#2	4.014	4.006	3.934	3.961	3.990	3.939	4.008	3.998	3.982
#3	4.016	4.006	3.922	3.957	4.024	3.978	3.996	3.994	3.977

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 4/13/2016 10:29:19 Type: QC
 Method: 60102007_042011(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2161.5	4624.2	3853.7	3576.4
Stddev	3.4	7.3	117.	34.1
%RSD	.15952	.15684	.30483	.95266

#1	2163.5	4617.1	3846.0	3613.3
#2	2163.6	4631.6	3867.3	3569.6
#3	2157.6	4624.0	3848.0	3546.2

Sample Name: ICV Acquired: 4/13/2016 10:35:37 Type: QC
 Method: 60102007_042011(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2411	41.02	1.960	2.022	2.033	42.63	2.011	2.007	2.000
Stddev	.0003	.09	.002	.011	.008	.10	.003	.002	.007
%RSD	.1303	.2222	.1146	.5218	.4107	.2280	.1660	.0825	.3765

#1	.2408	40.93	1.960	2.011	2.027	42.55	2.009	2.006	1.992
#2	.2414	41.03	1.958	2.031	2.030	42.61	2.010	2.007	2.002
#3	.2410	41.11	1.963	2.025	2.043	42.74	2.015	2.009	2.006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.940	41.84	41.99	42.44	2.074	1.919	42.31	2.028	1.985
Stddev	.004	.12	.29	.15	.009	.002	.19	.003	.003
%RSD	.1952	.2809	.7002	.3546	.4215	.1097	.4389	.1475	.1404

#1	1.941	41.76	41.68	42.28	2.064	1.917	42.10	2.026	1.983
#2	1.944	41.79	42.02	42.46	2.075	1.919	42.37	2.026	1.985
#3	1.936	41.98	42.27	42.57	2.082	1.921	42.46	2.031	1.988

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.973	1.997	.1404	2.036	1.938	1.966	2.049	1.915	2.046
Stddev	.003	.008	.0005	.003	.009	.003	.005	.006	.004
%RSD	.1684	.4204	.3532	.1512	.4402	.1655	.2230	.3322	.2184

#1	1.971	1.990	.1401	2.032	1.930	1.962	2.044	1.909	2.044
#2	1.973	1.996	.1409	2.036	1.936	1.967	2.049	1.915	2.043
#3	1.977	2.007	.1400	2.038	1.947	1.968	2.053	1.921	2.052

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 4/13/2016 10:35:37 Type: QC
 Method: 60102007_042011(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2332.5	4805.9	3966.8	3615.2
Stddev	3.4	1.8	49.	12.4
%RSD	.14393	.03779	.12251	.34238

#1	2334.4	4807.3	3966.5	3625.2
#2	2328.6	4803.9	3971.8	3618.9
#3	2334.5	4806.7	3962.1	3601.3

Sample Name: ICB Acquired: 4/13/2016 10:41:40 Type: QC
 Method: 60102007_042011(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.0044	.0009	-0.0002	-0.0001	-0.0063	-0.0001	-0.0001	-0.0002
Stddev	.0001	.0107	.0008	.0000	.0000	.0019	.0000	.0001	.0002
%RSD	465.3	243.0	86.97	13.57	34.85	30.70	66.18	131.4	93.89

#1 .0002 .0034 .0013 -.0002 -.0002 -.0073 .0000 .0000 -.0001
 #2 .0000 -.0167 .0013 -.0002 -.0001 -.0041 -.0001 -.0000 -.0001
 #3 -.0001 .0000 .0000 -.0003 -.0001 -.0076 -.0001 -.0001 -.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	-0.0051	-0.129	.0156	-0.0001	.0000	-0.0015	-0.0002	-0.0008
Stddev	.0001	.0029	.0283	.0216	.0000	.0002	.0166	.0000	.0003
%RSD	31.97	57.18	218.9	138.6	8.369	4521.	1130.	25.42	44.07

#1 -.0003 -.0017 -.0032 .0247 -.0001 .0001 .0164 -.0002 -.0004
 #2 -.0001 -.0067 .0093 -.0091 -.0001 .0001 -.0165 -.0002 -.0010
 #3 -.0002 -.0069 -.0449 .0311 -.0001 -.0002 -.0043 -.0001 -.0009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0007	.0003	.0001	-0.0001	.0001	.0000	-0.0002	-0.0002	-0.0001
Stddev	.0004	.0017	.0001	.0001	.0000	.000	.0007	.0002	.0001
%RSD	62.46	585.2	60.83	99.88	53.84	10760.	310.3	113.9	62.96

#1 -.0010 -.0016 .0002 .0000 .0001 .0000 .0000 .0000 -.0001
 #2 -.0008 .0017 .0000 -.0001 .0001 .0001 .0003 -.0001 -.0001
 #3 -.0002 .0008 .0001 -.0001 .0000 .0000 -.0010 -.0004 -.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 4/13/2016 10:41:40 Type: QC
 Method: 60102007_042011(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2706.8	5042.1	41556.	3705.2
Stddev	2.7	6.5	105.	11.6
%RSD	.10141	.12815	.25319	.31401

#1 2703.8 5040.4 41676. 3715.7
 #2 2707.3 5049.2 41512. 3692.7
 #3 2709.2 5036.7 41480. 3707.3

Sample Name: CRIA Acquired: 4/13/2016 10:45:47 Type: QC
 Method: 60102007_042011(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0092	.1995	.0101	.2075	.0050	1.064	.0054	.0541	.0106
Stddev	.0004	.0010	.0003	.0017	.0000	.005	.0001	.0013	.0002
%RSD	4.762	4.967	2.989	.8032	.6463	4.555	2.634	2.417	1.987

#1 .0089 .1985 .0102 .2091 .0051 1.070 .0055 .0551 .0104
 #2 .0097 .2005 .0098 .2075 .0050 1.061 .0052 .0526 .0105
 #3 .0091 .1996 .0103 .2058 .0050 1.062 .0054 .0546 .0108

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0276	.3059	10.28	5.208	.0166	.0500	10.32	.0438	.0044
Stddev	.0001	.0042	.03	.040	.0001	.0010	.04	.0011	.0006
%RSD	.4518	1.378	.2863	.7660	.5139	2.006	.3523	2.535	13.18

#1 .0277 .3106 10.31 5.253 .0165 .0509 10.36 .0447 .0044
 #2 .0275 .3025 10.25 5.194 .0166 .0489 10.29 .0426 .0038
 #3 .0275 .3047 10.29 5.177 .0166 .0501 10.31 .0442 .0049

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046	.0103	.0128	.0539	.0102	.0102	.0092	.0509	.0229
Stddev	.0003	.0021	.0007	.0010	.0002	.0001	.0019	.0004	.0005
%RSD	5.772	20.15	5.270	1.795	1.908	.7808	21.01	.7147	2.210

#1 .0049 .0127 .0127 .0546 .0104 .0102 .0115 .0505 .0233
 #2 .0045 .0094 .0122 .0528 .0101 .0103 .0081 .0508 .0224
 #3 .0044 .0089 .0135 .0542 .0101 .0102 .0081 .0513 .0230

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 4/13/2016 10:45:47 Type: QC
 Method: 60102007_042011(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2639.4	5031.5	41399.	3763.0
Stddev	49.6	89.1	181.	32.7
%RSD	1.8790	1.7718	.43813	.87020

#1 2601.6 4971.5 41557. 3726.9
 #2 2695.5 5133.9 41440. 3790.7
 #3 2621.0 4989.1 41201. 3771.4

Sample Name: ICSEA Acquired: 4/13/2016 10:52:30 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	491.9	.0000	-0.0003	-0.0003	490.4	.0000	-0.0004	.0001
Stddev	.0001	6.7	.004	.0004	.0001	2.7	.000	.0001	.0003
%RSD	28.97	1.355	8632.	157.6	26.37	.5596	545.9	27.71	329.5
#1	-0.005	499.5	.0038	.0000	-0.0003	487.5	-0.001	-0.0003	.0001
#2	-0.003	489.3	-0.032	-0.000	-0.002	493.0	-0.001	-0.0003	-0.0002
#3	-0.005	486.9	-0.008	-0.007	-0.002	490.8	.0001	-0.0005	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	185.4	-0.475	512.4	-0.0004	.0000	.1244	.0001	.0000
Stddev	.0001	9	.0058	2.1	.0001	.000	.0151	.0002	.001
%RSD	6709.	.4694	12.20	.4109	16.99	1269.	12.15	147.0	10770.
#1	-0.002	186.3	-0.530	514.7	-0.004	.0003	.1099	.0004	.0009
#2	.0001	185.4	-0.479	512.0	-0.004	.0002	.1231	.0000	.0007
#3	.0000	184.6	-0.414	510.5	-0.005	-0.006	.1401	.0000	-0.0017

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	.0000	.0702	.0008	.0000	-0.0002	.0000	.0000	-0.0031
Stddev	.0021	.0035	.0028	.0003	.000	.0001	.0005	.0001	.0002
%RSD	179.5	40310.	4.017	41.68	943.7	32.59	1950.	462.0	7.469
#1	.0032	-0.020	.0730	.0005	.0001	-0.002	.0006	.0002	-0.0032
#2	-0.010	-0.020	.0702	.0006	.0000	-0.001	-0.005	.0000	-0.0033
#3	.0014	.0040	.0673	.0011	-0.001	.0000	.0000	-0.001	-0.0029

Sample Name: ICSEA Acquired: 4/13/2016 10:52:30 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2079.1	4436.5	35876.	3454.4
Stddev	5.2	5.3	208.	6.9
%RSD	.24870	.11834	.58022	.19872
#1	2084.6	4441.3	35806.	3462.3
#2	2078.4	4437.4	35713.	3449.9
#3	2074.4	4430.9	36111.	3451.0

7.2
7

Sample Name: ICSAB Acquired: 4/13/2016 10:59:27 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.014	497.7	1.089	.5053	.5003	488.1	.9457	.4656	.4984
Stddev	.001	4.6	.004	.0014	.0023	2.9	.0009	.0005	.0008
%RSD	.1113	.9182	.3726	.2694	.4569	.5864	.0965	.1043	.1627
#1	1.012	503.0	1.091	.5045	.4997	490.5	.9467	.4662	.4988
#2	1.015	494.7	1.090	.5069	.5028	484.9	.9449	.4653	.4974
#3	1.014	495.5	1.084	.5045	.4983	488.9	.9454	.4655	.4989

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5262	183.2	-0.0949	516.3	.5037	.9382	.1496	.9452	.9461
Stddev	.0017	.5	.0114	3.2	.0008	.0018	.0056	.0016	.0005
%RSD	.3232	.2760	12.01	.6195	.1616	.1927	3.720	.1745	.0559
#1	.5262	183.5	-0.820	519.4	.5034	.9402	.1464	.9470	.9467
#2	.5292	183.5	-1.037	516.4	.5030	.9377	.1464	.9449	.9456
#3	.5291	182.6	-0.989	513.0	.5046	.9367	.1560	.9437	.9461

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.027	1.011	.1225	.9328	1.023	1.018	.9565	.4705	.9540
Stddev	.004	.012	.0006	.0005	.004	.002	.0020	.0014	.0019
%RSD	.3702	1.204	.5219	.0566	.3611	.2027	.2053	.2943	.1996
#1	1.025	1.014	.1225	.9322	1.019	1.018	.9586	.4694	.9557
#2	1.031	.9971	.1231	.9333	1.026	1.017	.9561	.4699	.9519
#3	1.024	1.021	.1219	.9328	1.024	1.021	.9547	.4720	.9543

Sample Name: ICSAB Acquired: 4/13/2016 10:59:27 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2043.3	4403.6	35873.	3416.6
Stddev	1.1	1.9	93.	20.6
%RSD	.05245	.04394	.25939	.60221
#1	2044.5	4405.6	35964.	3393.0
#2	2042.5	4403.4	35877.	3426.0
#3	2042.8	4401.7	35778.	3430.8

Sample Name: CCV Acquired: 4/13/2016 11:07:41 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.489	39.97	2.043	2.001	2.030	40.80	2.072	2.048	2.051
Stddev	.0010	.14	.007	.005	.004	.09	.011	.006	.007
%RSD	.3874	.3429	.3341	.2697	.1896	.2249	.5068	.3082	.3226

#1	.2498	39.91	2.051	1.996	2.028	40.76	2.077	2.052	2.053
#2	.2479	40.12	2.041	2.007	2.035	40.91	2.080	2.051	2.044
#3	.2489	39.87	2.038	2.000	2.028	40.74	2.060	2.041	2.057

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.009	39.75	40.36	40.02	2.093	2.037	40.21	2.078	2.033
Stddev	.002	.12	.11	.13	.006	.004	.11	.008	.011
%RSD	.1217	.2967	.2611	.3282	.3096	.1838	.2735	.3851	.5316

#1	2.007	39.78	40.39	40.13	2.095	2.039	40.14	2.084	2.035
#2	2.009	39.85	40.45	40.06	2.086	2.040	40.33	2.082	2.043
#3	2.012	39.62	40.25	39.88	2.098	2.033	40.15	2.069	2.022

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.036	2.036	2.105	2.051	2.048	2.076	2.058	2.059	2.100
Stddev	.005	.006	.002	.007	.003	.007	.005	.008	.016
%RSD	.2486	.2986	.1003	.3513	.1575	.3186	.2259	.3800	.7614

#1	2.042	2.034	2.107	2.056	2.046	2.077	2.057	2.063	2.108
#2	2.033	2.043	2.105	2.054	2.051	2.069	2.063	2.051	2.110
#3	2.033	2.031	2.103	2.043	2.046	2.082	2.054	2.065	2.081

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/13/2016 11:07:41 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2328.0	4770.9	39655.	3639.8
Stddev	8.2	13.5	77.	6.5
%RSD	.35403	.28324	.19336	.17890

#1	2329.6	4768.5	39701.	3633.1
#2	2319.1	4758.7	39698.	3646.0
#3	2335.3	4785.4	39567.	3640.4

Sample Name: CCB Acquired: 4/13/2016 11:18:11 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0013	.0002	-0.002	.0002	.0064	.0000	.0001	-0.001
Stddev	.0001	.0093	.0004	.0003	.0000	.0011	.0000	.0001	.0001
%RSD	81.58	710.2	250.1	134.3	16.98	17.45	653.7	175.2	164.3

#1	-.0002	.0119	.0006	-.0005	.0002	.0051	.0001	.0002	.0001
#2	.0000	-.0023	.0002	.0001	.0002	.0072	.0000	-.0001	-.0001
#3	-.0002	-.0057	-.0003	-.0003	.0002	.0070	.0000	.0001	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	-0.0035	-0.0202	.0045	.0001	-0.0008	.0030	-0.0001	.0001
Stddev	.0001	.0045	.0062	.0154	.0001	.0001	.0119	.0001	.0003
%RSD	39.72	131.1	30.51	340.9	102.2	14.66	392.2	167.6	408.7

#1	.0005	.0016	-.0240	.0137	.0001	-.0008	.0159	.0000	.0002
#2	.0002	-.0048	-.0131	.0130	.0000	-.0007	.0010	-.0001	.0003
#3	.0003	-.0072	-.0236	-.0132	.0000	-.0009	-.0077	-.0001	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	.0002	.0009	-0.0005	.0002	-0.0004	-0.0010	.0001	.0000
Stddev	.0008	.0009	.0003	.0005	.0001	.0001	.0009	.0001	.000
%RSD	243.3	495.1	29.15	101.5	47.96	18.81	92.35	118.8	165.0

#1	-.0005	.0009	.0006	-.0010	.0003	-.0003	-.0019	.0000	.0000
#2	-.0010	-.0008	.0009	-.0003	.0003	-.0005	-.0002	.0001	.0000
#3	.0005	.0005	.0011	-.0001	.0001	-.0004	-.0007	.0002	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/13/2016 11:18:11 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2722.4	5009.5	41434.	3695.1
Stddev	6.3	7.5	167.	4.6
%RSD	.23012	.14926	.40413	.12427

#1	2721.7	5011.5	41265.	3692.4
#2	2728.9	5015.8	41437.	3692.6
#3	2716.4	5001.3	41600.	3700.4

Sample Name: CCV Acquired: 4/13/2016 12:07:22 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.547	40.88	2.040	2.062	2.055	41.07	2.076	2.069	2.088
Stddev	.0011	.40	.005	.016	.024	.50	.004	.006	.012
%RSD	.4308	.9724	.2640	.7580	1.178	1.215	.1873	.2784	.5638
#1	.2559	41.24	2.046	2.076	2.076	41.42	2.080	2.075	2.080
#2	.2539	40.46	2.035	2.045	2.028	40.50	2.075	2.066	2.101
#3	.2543	40.94	2.039	2.065	2.062	41.30	2.073	2.065	2.082

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.054	40.40	40.80	40.95	2.110	2.060	40.69	2.072	2.045
Stddev	.006	.47	.39	.53	.008	.004	.40	.002	.009
%RSD	.2885	1.175	.9667	1.300	.3990	.2039	.9773	.1163	.4602
#1	2.061	40.66	41.16	41.28	2.106	2.065	41.05	2.074	2.055
#2	2.049	39.85	40.38	40.34	2.120	2.059	40.26	2.070	2.042
#3	2.053	40.68	40.87	41.24	2.105	2.057	40.75	2.070	2.037

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.043	2.049	2.111	2.085	2.060	2.089	2.067	2.072	2.080
Stddev	.005	.005	.004	.007	.021	.003	.007	.009	.003
%RSD	.2691	.2432	.2113	.3276	1.040	.1556	.3549	.4090	.1649
#1	2.049	2.054	2.116	2.091	2.078	2.088	2.072	2.070	2.084
#2	2.039	2.044	2.108	2.085	2.036	2.093	2.070	2.082	2.079
#3	2.040	2.050	2.109	2.078	2.065	2.086	2.059	2.065	2.077

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/13/2016 12:07:22 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2304.8	4755.6	39160.	3597.2
Stddev	5.6	9.3	109.	47.1
%RSD	.24417	.19556	.27923	1.3097
#1	2298.4	4744.9	39185.	3564.2
#2	2307.1	4761.7	39041.	3651.2
#3	2308.8	4760.2	39255.	3576.2

7.2
7

Sample Name: CCB Acquired: 4/13/2016 12:16:42 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.0037	.0006	-0.0001	.0000	.0017	.0000	.0000	-0.0001
Stddev	.0004	.0009	.0008	.0001	.0000	.0025	.0001	.000	.0002
%RSD	1837.	23.96	122.4	142.6	188.3	150.8	1330.	424.9	259.4
#1	-.0004	-.0045	.0002	.0000	.0000	.0043	.0001	.0001	-.0002
#2	.0005	-.0027	.0015	.0000	.0001	.0014	.0000	-.0001	.0002
#3	.0000	-.0039	.0001	-.0002	.0000	-.0007	-.0001	-.0001	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.0067	-0.0229	.0015	.0000	-0.0008	-0.0059	.0000	.0001
Stddev	.0002	.0004	.0226	.0130	.0000	.0002	.0038	.000	.0012
%RSD	522.7	5.889	98.62	860.5	81.38	25.84	64.73	156.2	958.4
#1	.0000	-.0071	-.0442	-.0107	.0000	-.0006	-.0025	.0000	.0003
#2	.0002	-.0067	.0009	.0000	.0000	-.0010	-.0100	-.0001	-.0011
#3	-.0001	-.0063	-.0255	.0152	.0000	-.0007	-.0053	.0000	.0012

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0012	.0010	-0.0003	.0000	-0.0004	-0.0001	.0001	.0000
Stddev	.001	.0002	.0006	.0004	.0001	.0001	.0008	.0002	.000
%RSD	19330.	19.48	57.37	127.0	260.5	14.47	618.4	143.0	356.9
#1	.0013	.0010	.0004	-.0006	.0000	-.0004	.0007	.0000	.0001
#2	-.0015	.0013	.0011	.0001	.0000	-.0004	-.0008	.0001	.0000
#3	.0002	.0014	.0016	-.0004	.0001	-.0005	-.0003	.0004	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/13/2016 12:16:42 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2709.3	5049.5	41639.	3704.1
Stddev	8.6	17.1	167.	9.7
%RSD	.31807	.33891	.40110	.26303
#1	2716.1	5066.5	41599.	3694.9
#2	2712.3	5049.6	41822.	3714.3
#3	2699.6	5032.3	41496.	3703.1

Sample Name: CCV Acquired: 4/13/2016 12:55:40 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2527	40.41	2.036	2.027	2.035	40.71	2.068	2.058	2.064
Stddev	.0006	.03	.009	.002	.005	.06	.005	.006	.005
%RSD	.2241	.0736	.4398	.0805	.2355	.1525	.2513	.2737	.2644
#1	.2522	40.44	2.026	2.028	2.033	40.65	2.062	2.052	2.070
#2	.2525	40.39	2.040	2.028	2.040	40.77	2.071	2.062	2.060
#3	.2533	40.39	2.042	2.025	2.031	40.70	2.070	2.060	2.062

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.036	40.06	40.39	40.61	2.093	2.049	40.28	2.064	2.034
Stddev	.004	.03	.06	.15	.003	.005	.07	.004	.004
%RSD	.2182	.0642	.1451	.3744	.1215	.2681	.1727	.1913	.1736
#1	2.033	40.08	40.38	40.78	2.094	2.043	40.20	2.060	2.030
#2	2.041	40.07	40.46	40.53	2.094	2.053	40.33	2.067	2.037
#3	2.034	40.03	40.34	40.51	2.090	2.051	40.31	2.066	2.035

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.032	2.037	2.104	2.069	2.043	2.072	2.056	2.054	2.078
Stddev	.006	.001	.004	.004	.004	.002	.004	.003	.006
%RSD	.3011	.0397	.1834	.1918	.1817	.0850	.1914	.1363	.3014
#1	2.025	2.038	2.099	2.065	2.038	2.071	2.053	2.053	2.072
#2	2.036	2.036	2.106	2.072	2.045	2.074	2.060	2.052	2.084
#3	2.035	2.037	2.106	2.071	2.044	2.072	2.055	2.057	2.079

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/13/2016 12:55:40 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2318.6	4784.5	39657.	3636.3
Stddev	5.0	10.7	34.	8.8
%RSD	.21513	.22380	.08547	.24290
#1	2321.1	4788.9	39670.	3645.9
#2	2312.8	4772.3	39682.	3628.6
#3	2321.8	4792.3	39618.	3634.2

Sample Name: CCB Acquired: 4/13/2016 12:59:50 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	.0015	.0007	.0000	.0001	.0035	.0000	-0.0001	.0001
Stddev	.0005	.0039	.0007	.000	.0001	.0012	.0001	.0001	.0000
%RSD	113.6	256.7	99.54	1239.	35.31	35.17	210.7	121.3	35.37
#1	-.0011	.0056	.0007	-.0001	.0001	.0022	.0001	.0000	.0001
#2	.0000	-.0020	.0014	-.0001	.0002	.0047	.0000	-.0001	.0001
#3	-.0003	.0009	.0000	.0001	.0001	.0037	.0000	-.0002	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0033	-0.0627	.0087	.0001	.0001	-0.0027	.0000	-0.0005
Stddev	.0002	.0008	.0193	.0196	.0000	.0002	.0090	.0001	.0004
%RSD	88.41	23.66	30.87	294.8	67.89	193.3	327.1	338.2	74.51
#1	.0005	.0035	-.0849	.0208	.0001	.0003	-.0032	-.0001	-.0001
#2	.0003	.0039	-.0527	-.0157	.0000	.0002	-.0115	.0001	-.0008
#3	.0000	.0024	-.0503	.0149	.0000	-.0001	.0064	.0000	-.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0007	.0006	.0018	-0.0001	.0002	.0005	-0.0011	.0000	.0000
Stddev	.0009	.0008	.0002	.0003	.0001	.0001	.0012	.0003	.000
%RSD	118.2	146.3	12.10	229.1	23.26	25.05	105.8	6587.	448.1
#1	-.0006	.0009	.0019	-.0002	.0002	.0006	.0002	.0004	.0001
#2	.0001	-.0004	.0019	.0002	.0003	.0005	-.0020	-.0001	.0000
#3	-.0016	.0011	.0015	-.0003	.0003	.0003	-.0015	-.0003	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/13/2016 12:59:50 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2694.7	5017.0	41530.	3712.8
Stddev	9.0	12.4	628.	16.0
%RSD	.33554	.24685	1.5112	.43135
#1	2702.7	5029.6	40805.	3730.4
#2	2696.6	5004.9	41903.	3708.6
#3	2684.9	5016.5	41881.	3699.2

Sample Name: MP30238-MB1 Acquired: 4/13/2016 13:15:12 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.013	-0.447	-0.021	-0.006	-0.012	0.041	-0.006	-0.008
Stddev	.0018	.0295	.0022	.0027	.0003	.0295	.0002	.0003
%RSD	141.6	66.03	109.4	453.5	27.27	73.62	39.96	36.65

#1	.0003	-0.299	.0003	.0000	-.0008	.0248	-.0008	-.0009
#2	-.0033	-.0787	-.0023	.0017	-.0013	.0213	-.0003	-.0010
#3	-.0010	-.0256	-.0041	-.0035	-.0015	.0741	-.0007	-.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.008	0.001	-0.449	0.220	0.283	-0.006	-0.054	-0.087
Stddev	.0007	.0020	.0017	.1417	.0473	.0001	.0006	.0287
%RSD	81.60	274.7	3.768	63.84	167.1	22.08	10.96	328.9

#1	-.0001	.0004	-.0469	.3711	.0711	-.0005	-.0049	-.0419
#2	-.0011	.0019	-.0438	.2057	.0364	-.0007	-.0052	.0088
#3	-.0013	-.0021	-.0441	.0891	-.0225	-.0007	-.0060	.0069

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.008	0.000	F -0.033	0.040	0.183	F 0.503	-0.002	-0.034
Stddev	.0009	.003	.0029	.0054	.0013	.0007	.0000	.0005
%RSD	120.2	10990.	87.98	136.4	7.300	1.340	3.571	13.43

#1	.0003	-.0021	-.0066	-.0007	.0198	.0507	-.0003	-.0036
#2	-.0010	-.0009	-.0015	.0099	.0172	.0506	-.0002	-.0029
#3	-.0015	.0029	-.0018	.0027	.0178	.0495	-.0002	-.0037

Check ? Chk Pass Chk Pass Chk Fail Chk Pass None Chk Fail Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30238-MB1 Acquired: 4/13/2016 13:15:12 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	-0.045	-0.018	F 0.369
Stddev	.0036	.0001	.0001
%RSD	80.99	6.366	4.044

#1	-.0026	-.0018	.0367
#2	-.0022	-.0019	.0368
#3	-.0086	-.0017	.0370

Check ? Chk Pass Chk Pass Chk Fail
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2676.8	5045.9	41837.	3673.3
Stddev	12.9	2.4	201.	8.6
%RSD	.48110	.04680	.48058	.23378

#1	2688.7	5044.5	41669.	3676.8
#2	2678.5	5048.7	42060.	3663.6
#3	2663.1	5044.6	41783.	3679.7

Sample Name: MP30238-B1 Acquired: 4/13/2016 13:19:42 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.476	26.79	1.917	2.006	0.051	25.58	0.507	5.144	2.069
Stddev	.0013	.05	.006	.002	.0007	.03	.0002	.0012	.0011
%RSD	2.818	.1867	.3022	.1099	1.349	.1104	.4646	.2300	.5413

#1	.0471	26.84	1.915	2.008	.0505	25.59	.0504	.5136	.2056
#2	.0492	26.74	1.912	2.005	.0505	25.61	.0507	.5137	.2077
#3	.0467	26.79	1.923	2.004	.0493	25.55	.0509	.5157	.2073

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.251	26.64	24.25	25.29	0.5386	4.886	24.61	5.216	4.821
Stddev	.0025	.08	.01	.13	.0006	.0005	.04	.0007	.0049
%RSD	.9696	.3073	.0416	.5287	.1188	.0929	.1747	.1359	1.026

#1	.2532	26.70	24.26	25.16	.5380	4.887	24.66	.5222	.4802
#2	.2543	26.55	24.24	25.43	.5385	4.881	24.60	.5208	.4877
#3	.2579	26.68	24.26	25.29	.5393	4.889	24.58	.5217	.4784

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.738	1.954	0.315	0.5657	4.900	0.5043	1.964	4.820	5.506
Stddev	.0027	.005	.0016	.0008	.0006	.0008	.011	.0009	.0019
%RSD	.5721	.2502	5.041	.1327	.1216	.1669	.5395	.1951	.3511

#1	.4726	1.948	.0309	.5649	.4894	.5034	1.974	.4819	.5499
#2	.4718	1.957	.0333	.5658	.4902	.5049	1.953	.4829	.5491
#3	.4769	1.956	.0303	.5664	.4905	.5047	1.965	.4811	.5528

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: MP30238-B1 Acquired: 4/13/2016 13:19:42 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2613.0	5031.9	41191.	3633.9
Stddev	1.6	4.6	85.	15.6
%RSD	.06033	.09064	.20619	.42805

#1	2611.2	5035.6	41156.	3617.4
#2	2613.7	5033.2	41288.	3636.0
#3	2614.1	5026.8	41129.	3648.3

Sample Name: FA31930-1 Acquired: 4/13/2016 13:24:03 Type: Unk
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.018	226.9	0.249	2.529	0.042	73.11	-0.011	0.0429	3.295
Stddev	.0018	.4	.0029	.011	.0003	.18	.0002	.0007	.0022
%RSD	96.23	.1974	11.66	.4229	7.615	.2420	16.95	1.563	.6642
#1	.0001	226.4	.0252	2.526	.0038	72.94	-.0012	.0435	.3318
#2	-.0021	227.1	.0219	2.520	.0044	73.11	-.0009	.0422	.3275
#3	-.0034	227.3	.0276	2.541	.0043	73.29	-.0012	.0431	.3292
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)
Avg	.8474	204.1	20.43	22.15	6.359	0.037	2.963	.2123	2.905
Stddev	.0031	.6	.13	.22	.011	.0009	.031	.0008	.003
%RSD	.3675	.2878	.6295	1.000	.1778	24.91	1.055	.3980	.1182
#1	.8443	203.4	20.29	21.89	6.365	.0031	2.940	.2114	2.908
#2	.8505	204.3	20.54	22.23	6.366	.0047	2.952	.2131	2.907
#3	.8474	204.5	20.47	22.31	6.346	.0032	2.999	.2123	2.901
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.049	-0.069	4.661	0.477	1.266	7.347	-0.072	4.653	3.722
Stddev	.0028	.0048	.004	.0009	.002	.010	.0020	.0024	.0012
%RSD	58.02	69.23	.0918	1.943	.1279	.1348	28.47	.5156	.3131
#1	.0026	-.0032	4.657	.0467	1.266	7.345	-.0056	.4625	.3734
#2	.0040	-.0123	4.662	.0478	1.267	7.357	-.0064	.4667	.3720
#3	.0080	-.0053	4.665	.0485	1.264	7.338	-.0095	.4667	.3711
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2560.7	5085.7	4170.6	3693.4					
Stddev	.7	4.8	16.	27.9					
%RSD	.02565	.09470	.03723	.75647					
#1	2560.0	5080.3	4171.9	3715.9					
#2	2560.9	5087.1	4168.9	3662.1					
#3	2561.3	5089.6	4171.0	3702.2					

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Sample Name: MP30238-D1 Acquired: 4/13/2016 13:28:23 Type: Unk
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.001	202.2	0.232	2.246	0.036	64.89	-0.008	0.382	2.876
Stddev	.0008	.4	.0042	.010	.0001	.06	.0004	.0003	.0020
%RSD	879.6	.1880	17.92	.4641	1.423	.0985	41.93	.8415	.7016
#1	-.0005	201.9	.0191	2.236	.0036	64.96	-.0007	.0379	.2854
#2	-.0005	202.0	.0231	2.246	.0036	64.84	-.0006	.0384	.2893
#3	.0008	202.6	.0274	2.257	.0035	64.88	-.0012	.0385	.2883
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)
Avg	.7668	180.0	17.84	19.48	5.619	0.024	2.591	.1875	2.601
Stddev	.0018	.6	.09	.11	.007	.0006	.022	.0008	.005
%RSD	.2371	.3064	.4915	.5431	.1219	23.84	.8616	.4162	.2105
#1	.7683	180.0	17.83	19.58	5.614	.0031	2.593	.1879	2.597
#2	.7648	179.4	17.77	19.37	5.617	.0020	2.613	.1866	2.608
#3	.7671	180.5	17.94	19.49	5.627	.0022	2.568	.1880	2.599
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.033	-0.058	4.309	0.412	1.122	6.400	-0.087	4.101	3.430
Stddev	.0007	.0058	.012	.0023	.001	.008	.0021	.0005	.0005
%RSD	19.95	100.4	.2750	5.556	.1216	.1253	24.11	.1229	.1351
#1	.0034	.0009	4.295	.0404	1.120	6.395	-.0070	.4106	.3427
#2	.0026	-.0084	4.315	.0395	1.122	6.396	-.0110	.4097	.3428
#3	.0039	-.0099	4.316	.0438	1.123	6.409	-.0080	.4099	.3436
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2569.2	5097.7	4171.0	3683.8					
Stddev	.5	3.0	18.	18.6					
%RSD	.01908	.05877	.04405	.05048					
#1	2569.2	5090.7	4171.0	3683.8					
#2	2569.3	5084.7	4171.2	3695.2					
#3	2570.1	5087.7	4167.9	3658.9					

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Sample Name: MP30238-D2 Acquired: 4/13/2016 13:32:42 Type: Unk
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.010	221.3	0.242	2.493	0.041	71.94	-0.010	0.0420	3.180
Stddev	.0005	.8	.0012	.007	.0002	.40	.0003	.0001	.0031
%RSD	50.12	.3502	4.848	.2968	5.760	.5548	27.23	.3115	.9874
#1	-.0009	221.9	.0243	2.501	.0043	72.28	-.0011	.0421	.3199
#2	-.0006	221.7	.0253	2.491	.0042	72.03	-.0012	.0419	.3144
#3	-.0015	220.5	.0230	2.487	.0038	71.50	-.0007	.0421	.3197
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)
Avg	.8196	200.1	19.36	21.53	6.220	0.031	2.850	2.081	3.258
Stddev	.0032	.8	.16	.13	.042	.0006	.036	.0013	.004
%RSD	.3913	.3935	.8367	.6122	.6786	20.68	1.264	.6347	.1365
#1	.8180	200.9	19.29	21.50	6.232	.0037	2.825	.2082	3.253
#2	.8175	200.1	19.54	21.67	6.173	.0024	2.891	.2067	3.258
#3	.8233	199.3	19.24	21.42	6.255	.0033	2.834	.2093	3.262
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0124	-0.0034	5.061	0.489	1.245	7.376	-0.032	4.570	3.749
Stddev	.0037	.0044	.001	.0021	.003	.045	.0037	.0007	.0012
%RSD	29.98	129.8	.0231	4.400	.2355	.6137	114.2	.1618	.3235
#1	.0146	-.0083	5.061	.0487	1.244	7.381	-.0074	.4578	.3760
#2	.0081	-.0001	5.059	.0468	1.249	7.328	-.0010	.4563	.3736
#3	.0144	-.0017	5.061	.0511	1.244	7.418	-.0012	.4571	.3752
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2560.9	5083.4	4171.1	3699.8					
Stddev	4.8	1.7	205.	28.6					
%RSD	.18763	.03387	.49042	.77255					
#1	2565.3	5083.8	4171.0	3681.2					
#2	2561.8	5084.8	4196.0	3685.5					
#3	2555.8	5081.5	4155.4	3732.7					

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Sample Name: MP30238-SD1 Acquired: 4/13/2016 13:37:02 Type: Unk
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 25.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.011	311.3	0.344	3.089	0.014	74.38	-0.046	0.431	4.674
Stddev	.0059	2.4	.0230	.025	.0018	.47	.0009	.0015	.0672
%RSD	536.6	.7723	66.98	.8269	130.9	.6338	18.55	3.404	14.38
#1	.0027	311.2	.0235	3.077	.0015	74.02	-.0038	.0419	.5391
#2	.0019	313.8	.0608	3.118	-.0005	74.91	-.0045	.0447	.4059
#3	-.0079	309.0	.0188	3.072	.0030	74.20	-.0055	.0426	.4573
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)
Avg	.8294	214.3	40.66</						

Sample Name: MP30238-PS1 Acquired: 4/13/2016 13:41:24 Type: Unk
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0468	227.5	1.257	2.768	0.0563	76.93	0.0508	0.0939	3.787
Stddev	.0026	1.4	.0019	.016	.0007	.49	.0007	.0003	.0013
%RSD	5.472	.6202	1.515	.5758	1.220	.6427	1.345	.3525	.3564
#1	.0479	226.3	1.267	2.752	.0555	76.38	.0515	.0942	3.801
#2	.0438	227.1	1.270	2.769	.0566	77.10	.0501	.0939	3.786
#3	.0486	229.0	1.235	2.784	.0568	77.32	.0509	.0936	3.774
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.9425	204.6	29.77	27.31	6.309	1.047	13.02	3.094	2.906
Stddev	.0022	1.2	.19	.14	.004	.0013	.16	.0003	.014
%RSD	.2382	.5877	.6316	.5021	.0647	1.286	1.207	.1067	.4804
#1	.9442	203.5	29.58	27.17	6.311	1.041	12.84	.3090	2.911
#2	.9433	204.4	29.78	27.32	6.304	1.062	13.09	.3097	2.916
#3	.9399	205.9	29.95	27.44	6.311	1.037	13.13	.3095	2.890
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.1059	0.998	4.647	0.0971	1.293	7.332	0.0980	5.081	6.088
Stddev	.0017	.0033	.009	.0016	.008	.007	.0040	.0017	.0012
%RSD	1.571	3.278	1.958	1.677	.6111	1.003	4.038	3.400	1.920
#1	1.077	0.968	4.651	0.0962	1.284	7.333	1.026	5.072	6.090
#2	1.054	0.993	4.636	0.0963	1.295	7.338	0.961	5.070	6.098
#3	1.045	1.033	4.653	0.0990	1.300	7.324	0.954	5.101	6.075
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2552.4	5103.9	41366.	3658.5					
Stddev	6.5	4.2	95.	8.3					
%RSD	.25546	.08213	.22851	.22777					
#1	2555.9	5108.7	41430.	3666.3					
#2	2544.8	5101.0	41257.	3659.5					
#3	2556.4	5102.0	41410.	3649.7					

Sample Name: MP30238-S1 Acquired: 4/13/2016 13:45:43 Type: Unk
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0480	287.3	1.958	4.818	0.0604	102.7	0.0526	0.5847	5.623
Stddev	.0033	.8	.009	.012	.0002	.6	.0003	.0015	.0032
%RSD	6.910	.2858	4.343	.2408	.2966	.5855	.6059	.2518	.5716
#1	.0510	287.0	1.949	4.809	.0602	102.5	.0528	.5830	5.591
#2	.0486	286.6	1.965	4.815	.0604	102.2	.0528	.5856	5.624
#3	.0444	288.2	1.961	4.831	.0605	103.4	.0522	.5854	5.655
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	1.139	239.3	46.77	50.80	6.973	4.740	29.77	7.761	3.571
Stddev	.004	.6	.30	.23	.039	.0015	.10	.0006	.009
%RSD	.3094	.2567	.6409	.4462	.5583	.3166	.3360	.0792	.2606
#1	1.140	239.2	47.01	50.83	6.928	4.727	29.68	.7755	3.581
#2	1.142	238.7	46.43	50.56	7.001	4.738	29.75	.7766	3.571
#3	1.135	239.9	46.86	51.01	6.990	4.756	29.88	.7763	3.562
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.1618	2.026	5.225	5.672	1.829	7.688	2.112	9.983	9.035
Stddev	.0071	.005	.008	.0029	.007	.026	.017	.0024	.0024
%RSD	4.400	2.414	1.488	.5052	.3927	3.438	8.173	2.379	2.709
#1	1.1582	2.027	5.216	5.664	1.833	7.662	2.130	9.877	9.047
#2	1.1700	2.021	5.231	5.674	1.820	7.715	2.111	9.920	9.051
#3	1.1572	2.031	5.227	5.704	1.833	7.687	2.096	9.881	9.007
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2517.1	5113.8	41366.	3645.3					
Stddev	4.9	8.0	214.	13.5					
%RSD	.19661	.15617	.51702	.37119					
#1	2512.3	5119.2	41612.	3651.1					
#2	2522.2	5117.5	41255.	3655.0					
#3	2516.7	5104.6	41230.	3629.9					

7.2
7

Sample Name: MP30238-S2 Acquired: 4/13/2016 13:50:00 Type: Unk
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0467	265.1	1.867	4.502	0.0564	94.95	0.0495	0.5547	5.342
Stddev	.0022	1.1	.006	.021	.0007	.52	.0004	.0011	.0146
%RSD	4.644	3.994	3.266	4.639	1.220	5.524	8.316	1.987	2.729
#1	.0461	266.3	1.871	4.521	.0571	95.51	.0492	.5537	5.287
#2	.0491	264.5	1.860	4.480	.0558	94.47	.0494	.5546	5.507
#3	.0449	264.5	1.869	4.503	.0563	94.89	.0500	.5559	5.231
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.075	219.8	43.78	46.94	6.584	4.500	27.86	7.337	3.302
Stddev	.029	.8	.28	.53	.168	.0016	.07	.0011	.008
%RSD	2.744	.3613	.6367	1.127	2.546	.3461	2.631	1.510	2.541
#1	1.062	220.7	43.78	47.53	6.519	4.483	27.87	7.324	3.299
#2	1.109	219.5	44.05	46.52	6.774	4.514	27.93	7.345	3.312
#3	1.054	219.1	43.49	46.77	6.458	4.504	27.78	7.341	3.296
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.1553	1.928	4.663	5.341	1.694	7.186	2.004	9.409	8.626
Stddev	.0015	.003	.018	.0024	.003	.191	.002	.0250	.0014
%RSD	.9507	1.387	3.747	4.455	1.509	2.661	1.017	2.653	1.582
#1	1.1567	1.925	4.643	5.325	1.693	7.101	2.002	9.321	8.620
#2	1.1538	1.930	4.669	5.368	1.697	7.405	2.006	9.691	8.615
#3	1.1553	1.928	4.676	5.330	1.692	7.052	2.004	9.215	8.641
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2513.1	5105.7	40949.	3721.6					
Stddev	1.7	9.6	864.	21.8					
%RSD	.06861	.18786	2.1095	.58503					
#1	2515.0	5109.9	41366.	3698.9					
#2	2512.7	5112.6	39956.	3723.7					
#3	2511.7	5094.8	41525.	3742.3					

Sample Name: FA31930-6 Acquired: 4/13/2016 13:54:17 Type: Unk
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0003	241.6	0.0315	2.277	0.0045	53.04	-0.0011	0.0504	3.619
Stddev	.0010	1.1	.0055	.006	.0002	.21	.0004	.0004	.0030
%RSD	362.1	4.754	17.34	2.582	4.358	3.970	40.60	8.764	8.295
#1	-.0009	240.4	0.0370	2.277	.0044	52.80	-.0007	0.0508	3.603
#2	-.0008	242.6	0.0313	2.271	.0044	53.19	-.0010	0.0504	3.600
#3	-.0008	241.9	0.0261	2.282	.0047	53.13	-.0015	0.0499	3.654
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.740	200.3	22.09	21.37	4.918	0.036	2.508	2.161	1.719
Stddev	.0003	.5	.05	.11	.030	.0005	.050		

Sample Name: CCV Acquired: 4/13/2016 13:58:36 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2528	40.98	1.979	2.067	2.026	40.48	2.030	2.038	2.067
Stddev	.0001	.19	.003	.011	.008	.13	.004	.003	.007
%RSD	.0530	.4579	.1738	.5492	.3762	.3206	.1889	.1429	.3245

#1	.2529	41.13	1.975	2.080	2.030	40.48	2.027	2.035	2.060
#2	.2527	41.03	1.981	2.059	2.030	40.61	2.029	2.038	2.067
#3	.2529	40.77	1.980	2.061	2.017	40.35	2.034	2.041	2.073

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.037	40.18	40.17	41.45	2.063	2.027	40.19	2.014	2.017
Stddev	.010	.13	.13	.21	.006	.005	.23	.004	.005
%RSD	.4762	.3334	.3281	.5054	.2842	.2687	.5646	.1939	.2631

#1	2.046	40.24	40.24	41.46	2.064	2.025	40.43	2.010	2.012
#2	2.027	40.29	40.24	41.66	2.057	2.022	40.15	2.014	2.022
#3	2.038	40.03	40.01	41.24	2.068	2.033	39.98	2.018	2.019

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.980	1.993	2.052	2.060	2.017	2.036	2.026	2.022	2.019
Stddev	.003	.008	.002	.003	.009	.005	.002	.005	.006
%RSD	.1333	.3967	.0935	.1403	.4511	.2438	.1099	.2310	.2950

#1	1.979	1.993	2.050	2.062	2.026	2.037	2.024	2.018	2.013
#2	1.977	1.985	2.051	2.057	2.017	2.030	2.025	2.020	2.020
#3	1.982	2.001	2.054	2.062	2.008	2.040	2.028	2.027	2.025

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/13/2016 13:58:36 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2323.7	4861.1	39634.	3564.6
Stddev	5.7	5.6	155.	12.2
%RSD	.24589	.11520	.39018	.34343

#1	2329.0	4867.3	39697.	3561.4
#2	2317.6	4859.6	39747.	3554.2
#3	2324.4	4856.4	39458.	3578.1

Sample Name: CCB Acquired: 4/13/2016 14:02:48 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0090	.0007	-0.0001	.0000	.0015	.0000	.0000	-0.0002
Stddev	.0002	.0013	.0004	.0004	.0001	.0020	.000	.000	.0002
%RSD	135.8	13.90	64.17	633.2	237.4	131.6	148.1	87.81	110.9

#1	.0000	-0.0093	.0009	-0.0001	.0001	.0038	.0000	-.0001	.0000
#2	.0001	-0.0101	.0010	.0004	.0000	.0006	.0000	.0000	-0.0003
#3	.0003	-0.0077	.0002	-0.0004	.0000	.0001	.0000	.0000	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	.0021	-0.0320	.0171	-0.0001	.0000	-0.0097	-0.0001	.0000
Stddev	.0001	.0036	.0327	.0268	.0000	.0003	.0056	.0001	.0003
%RSD	45.08	173.9	102.2	156.9	7.720	581.5	57.42	97.88	5494.

#1	-0.0003	.0048	-0.0361	-.0120	-.0001	.0003	-.0107	-.0003	.0002
#2	-0.0001	-0.0020	-0.0625	.0409	-0.0001	.0001	-.0148	-0.0001	.0002
#3	-0.0003	.0035	.0025	.0224	-0.0001	-.0003	-.0037	.0000	-.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0009	-0.0006	.0012	-0.0001	.0002	.0003	.0000	-0.0001	-0.0001
Stddev	.0005	.0011	.0004	.0001	.0001	.0002	.001	.0002	.0001
%RSD	50.75	186.1	37.14	80.32	66.55	50.34	3200.	405.0	96.47

#1	-.0004	-.0006	.0016	.0000	.0001	.0005	.0001	.0001	-.0001
#2	-.0012	-.0008	.0012	-.0001	.0003	.0003	.0009	-.0003	-.0001
#3	-.0011	-.0015	.0007	-.0002	.0001	.0002	-.0010	.0000	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/13/2016 14:02:48 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2713.0	5126.3	41928.	3669.1
Stddev	6.9	2.4	77.	18.4
%RSD	.25596	.04651	.18269	.50200

#1	2710.4	5123.9	41840.	3649.4
#2	2707.7	5126.4	41969.	3671.8
#3	2720.8	5128.7	41976.	3685.9

Sample Name: FA31930-9 Acquired: 4/13/2016 14:07:20 Type: Unk
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.015	276.6	0.316	3.015	0.054	88.69	-0.005	0.544	3.823
Stddev	0.0013	1.2	0.026	0.009	0.001	0.47	0.004	0.004	0.0033
%RSD	84.06	4.379	8.196	.2873	2.725	.5338	78.22	.6594	.8591
#1	-0.027	276.3	0.298	3.010	0.056	88.15	-0.001	0.541	3.853
#2	-0.001	275.5	0.303	3.011	0.053	88.84	-0.005	0.544	3.788
#3	-0.017	277.9	0.345	3.025	0.053	89.06	-0.009	0.548	3.827
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	6.672	236.2	27.00	26.47	6.547	0.070	3.045	2.462	2.512
Stddev	0.053	9	0.04	0.07	0.023	0.001	0.025	0.015	0.11
%RSD	.7898	.4012	.1655	.2708	.3577	2.100	.8108	.5966	.4439
#1	.6612	235.6	27.02	26.38	6.574	0.071	3.061	2.447	2.501
#2	.6693	235.6	27.02	26.50	6.533	0.069	3.016	2.476	2.523
#3	.6711	237.3	26.94	26.52	6.534	0.069	3.057	2.461	2.513
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.037	0.001	5.262	0.480	1.371	8.141	-0.033	5.211	3.464
Stddev	0.069	0.052	0.12	0.016	0.07	0.007	0.028	0.010	0.017
%RSD	184.6	399.7	.2243	3.430	.4993	.0868	85.50	.1881	.4950
#1	.0104	.0061	5.257	.0498	1.372	8.149	-0.012	5.223	3.454
#2	.0040	-0.0026	5.255	.0476	1.364	8.135	-0.065	5.204	3.484
#3	-0.0033	-0.0032	5.276	.0466	1.378	8.138	-0.022	5.208	3.455
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2539.4	5124.4	41765.	3708.8					
Stddev	4.8	2.2	171.	12.8					
%RSD	.18917	.04373	.40905	.34411					
#1	2543.7	5126.2	41591.	3694.2					
#2	2540.3	5125.1	41932.	3717.9					
#3	2534.2	5121.9	41773.	3714.3					

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Sample Name: FA31930-13 Acquired: 4/13/2016 14:11:40 Type: Unk
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	570.0	0.724	7.658	0.146	307.0	0.043	1.300	7.212
Stddev	0.0012	2.2	0.052	0.021	0.001	0.9	0.005	0.003	0.017
%RSD	293.5	.3878	7.140	.2791	.6632	.2785	11.01	.2369	.2425
#1	.0007	567.8	0.672	7.637	0.147	306.7	0.043	1.302	7.211
#2	-0.002	569.9	0.726	7.656	0.146	306.3	0.038	1.302	7.195
#3	-0.017	572.2	0.775	7.679	0.145	308.0	0.047	1.297	7.230
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	3.535	420.2	29.33	56.53	18.65	0.111	5.214	5.496	3.210
Stddev	0.06	1.6	.12	.13	.04	0.007	0.062	0.008	0.16
%RSD	.1585	.3734	.4171	.2370	.1885	5.891	1.190	.1449	.5013
#1	3.533	418.7	29.46	56.67	18.61	0.104	5.253	5.494	3.224
#2	3.541	420.0	29.23	56.52	18.67	0.117	5.143	5.489	3.192
#3	3.531	421.9	29.29	56.40	18.66	0.111	5.247	5.505	3.214
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.112	0.001	7.249	0.573	2.687	13.10	0.043	8.990	7.516
Stddev	0.045	0.063	0.03	0.005	0.05	0.1	0.011	0.031	0.022
%RSD	39.61	44.22	.0349	.8584	.1904	.1073	25.44	.3502	.2889
#1	.0150	-0.0064	7.249	.0567	2.681	13.11	.0033	9.011	7.495
#2	.0124	.0005	7.247	.0576	2.687	13.08	.0040	8.954	7.515
#3	.0063	.0063	7.252	.0575	2.692	13.11	.0055	9.005	7.539
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2448.0	5162.2	42035.	3755.6					
Stddev	8.9	16.9	174.	17.8					
%RSD	.36270	.32737	.41461	.47487					
#1	2446.4	5166.1	41834.	3768.4					
#2	2457.6	5176.8	42127.	3763.2					
#3	2440.1	5143.7	42144.	3735.2					

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7.2
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Sample Name: FA31930-16 Acquired: 4/13/2016 14:16:08 Type: Unk
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.018	400.6	0.858	1.480	0.107	26.91	-0.030	0.797	5.303
Stddev	0.004	2.1	0.053	0.11	0.001	0.8	0.001	0.005	0.038
%RSD	24.24	5.322	6.166	.7236	.9982	.3032	3.659	.5841	.7114
#1	-0.019	399.1	0.910	1.482	0.107	26.93	-0.029	0.796	5.283
#2	-0.013	403.1	0.859	1.490	0.106	26.97	-0.031	0.794	5.347
#3	-0.021	399.7	0.804	1.469	0.108	26.81	-0.030	0.803	5.280
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5.019	258.5	30.16	46.27	2.329	0.024	3.257	3.926	1.831
Stddev	0.030	1.3	.20	.15	.017	0.001	0.082	0.017	0.07
%RSD	.5910	.4914	.6513	.3198	.7458	5.825	2.505	.4311	.3749
#1	.5048	257.9	29.96	46.25	2.320	0.025	3.221	3.928	1.837
#2	.4989	260.0	30.35	46.14	2.349	0.026	3.351	3.909	1.823
#3	.5020	257.6	30.17	46.43	2.318	0.023	3.200	3.943	1.833
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.080	-0.080	4.136	0.499	0.099	10.64	-0.066	5.021	4.543
Stddev	0.020	0.041	0.07	0.003	0.024	0.3	0.063	0.036	0.015
%RSD	11.31	51.48	.1614	.6906	.5841	.2998	95.84	.7139	.3249
#1	.0192	-0.047	4.135	.0495	.0990	10.63	-0.018	5.018	4.540
#2	.0191	-0.067	4.131	.0502	.0990	10.67	-0.018	5.058	4.530
#3	.0156	-0.126	4.144	.0500	.0980	10.61	-0.042	4.987	4.559
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2546.9	5288.0	42252.	3726.4					
Stddev	4.8	6.7	193.	11.2					
%RSD	.18662	.12652	.45572	.30176					
#1	2543.0	5283.1	42257.	3713.4					
#2	2552.2	5295.6	42057.	3733.2					
#3	2545.6	5285.2	42442.	3732.5					

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Sample Name: FA31930-19 Acquired: 4/13/2016 14:20:28 Type: Unk
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	191.7	0.333	8.800	0.033	22.91	-0.020	0.374	3.210
Stddev	0.006	1.1	0.030	0.032	0.002	1.0	0.003	0.010	0.034
%RSD	169.8	.5683	9.126	.3687	5.308	4.345	16.40	2.589	1.055
#1	-0.004	192.6	0.328	8.837	0.032	23.03	-0.024	0.371	3.247
#2	-0.003	190.5	0.366	8.778	0.035	22.86	-0.020	0.367	3.201
#3	-0.009	192.0	0.306	8.784	0.033	22.85	-0.018	0.385	3.181
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.210	174.6	19.40	17.81	1.615	0.055	2.188	1.722	2.343
Stddev</									

Sample Name: FA31930-22 Acquired: 4/13/2016 14:24:49 Type: Unk
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.015	222.6	.0313	1.227	.0040	23.42	-0.019	.0434	.3513
Stddev	.0011	.1	.0011	.003	.0002	.04	.0003	.0002	.0047
%RSD	76.59	.0565	3.628	.2152	4.439	.1752	18.49	.5086	1.342
#1	-.0019	222.6	.0300	1.230	.0040	23.38	-.0022	.0436	.3461
#2	-.0002	222.4	.0318	1.227	.0041	23.41	-.0017	.0432	.3523
#3	-.0023	222.7	.0322	1.225	.0038	23.46	-.0016	.0434	.3554
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.2973	197.5	18.17	19.99	2.186	.0072	2.099	.2009	1.960
Stddev	.0023	.6	.15	.11	.012	.0007	.029	.0015	.001
%RSD	.7670	.2820	.8410	.5412	.5354	9.512	1.407	.7446	.0486
#1	.2997	197.9	17.99	20.11	2.172	.0078	2.133	.1992	1.961
#2	.2968	196.8	18.22	19.96	2.191	.0074	2.081	.2021	1.960
#3	.2952	197.8	18.28	19.90	2.194	.0065	2.083	.2014	1.959
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0051	-0.0125	4.128	.0480	.3655	8.090	-0.012	.4777	.2843
Stddev	.0041	.0068	.012	.0028	.0004	.015	.0043	.0027	.0017
%RSD	81.06	54.78	.2989	5.801	1.146	.1850	372.2	.5719	.2502
#1	.0003	-.0048	4.115	.0448	.3660	8.073	-.0060	.4772	.2827
#2	.0071	-.0180	4.131	.0498	.3652	8.101	.0021	.4752	.2828
#3	.0078	-.0146	4.139	.0493	.3654	8.097	.0004	.4806	.2815
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2587.5	5153.0	4191.5	3690.7					
Stddev	4.5	2.6	162.	17.7					
%RSD	.17319	.05036	.38659	.48027					
#1	2582.8	5155.5	42100.	3691.4					
#2	2588.1	5150.3	41842.	3708.1					
#3	2591.7	5153.2	41801.	3672.6					

Sample Name: FA31930-25 Acquired: 4/13/2016 14:29:09 Type: Unk
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	166.5	.0220	1.754	.0030	54.80	-0.003	.0366	.2488
Stddev	.0010	1.2	.0027	.014	.0001	.21	.0006	.0002	.0008
%RSD	319.6	.7394	12.18	.7806	2.267	.3819	183.8	.5500	.3360
#1	-0.0014	166.0	.0213	1.748	.0031	54.87	-.0002	.0368	.2481
#2	.0004	165.7	.0197	1.745	.0030	54.57	.0002	.0368	.2487
#3	.0001	167.9	.0250	1.770	.0030	54.97	-.0010	.0364	.2498
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.1413	158.3	17.06	17.11	4.917	.0014	1.698	.1393	.9454
Stddev	.0013	1.1	.20	.17	.022	.0001	.089	.0014	.0031
%RSD	.9362	.7150	1.186	.9837	.4401	8.247	5.246	1.016	.3275
#1	.1425	157.8	17.00	16.92	4.896	.0015	1.636	.1403	.9421
#2	.1415	157.5	16.89	17.18	4.916	.0014	1.658	.1399	.9483
#3	.1399	159.6	17.28	17.23	4.939	.0013	1.800	.1377	.9457
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.0038	-0.0043	4.294	.0455	.7708	6.006	-0.024	.3915	.2081
Stddev	.0021	.0069	.014	.0010	.0079	.016	.0054	.0005	.0004
%RSD	56.23	159.4	.3292	2.096	1.020	.2699	224.1	.1287	.1998
#1	-.0015	.0009	4.303	.0444	.7676	5.997	.0038	.3911	.2085
#2	-.0042	-.0018	4.301	.0462	.7651	5.997	-.0052	.3921	.2078
#3	-.0057	-.0122	4.277	.0460	.7798	6.025	-.0059	.3915	.2079
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2573.5	5120.7	4189.6	3713.9					
Stddev	5.6	14.0	221.	18.3					
%RSD	.21746	.27422	.52767	.49190					
#1	2567.2	5105.6	42111.	3707.1					
#2	2575.7	5123.4	41908.	3734.5					
#3	2577.7	5133.3	41669.	3699.9					

Sample Name: FA31930-28 Acquired: 4/13/2016 14:33:29 Type: Unk
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0005	150.2	.0236	1.211	.0023	30.76	-0.014	.0305	.2381
Stddev	.0017	.6	.0020	.007	.0002	.15	.0002	.0002	.0021
%RSD	312.3	.3786	8.459	.6008	9.224	.5009	11.10	.7091	.8726
#1	-.0023	149.5	.0225	1.202	.0025	30.58	-.0012	.0304	.2382
#2	-.0011	150.5	.0223	1.215	.0021	30.84	-.0014	.0307	.2401
#3	-.0005	150.5	.0259	1.215	.0023	30.85	-.0016	.0303	.2359
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(In2306)
Avg	.1116	149.3	16.57	14.29	3.692	.0020	1.793	.1212	.7035
Stddev	.0015	.5	.29	.14	.009	.0009	.047	.0017	.0030
%RSD	1.355	.3623	1.740	.9511	.2480	45.76	2.619	1.414	.4230
#1	.1109	148.7	16.26	14.16	3.682	.0017	1.786	.1201	.7019
#2	.1107	149.6	16.84	14.27	3.700	.0030	1.843	.1203	.7069
#3	.1134	149.6	16.59	14.43	3.694	.0012	1.750	.1232	.7016
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0018	.0020	4.088	.0443	.5326	5.798	-0.070	.3731	.1676
Stddev	.0068	.0048	.002	.0006	.0022	.004	.0021	.0007	.0007
%RSD	388.2	241.5	.0451	1.416	.4076	.0739	30.13	.1859	.4212
#1	.0040	.0073	4.086	.0450	.5301	5.799	-.0095	.3736	.1677
#2	.0000	-.0021	4.088	.0440	.5341	5.802	-.0059	.3735	.1668
#3	-.0093	.0007	4.090	.0439	.5336	5.794	-.0057	.3723	.1682
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2599.4	5143.6	42012.	3682.0					
Stddev	3.2	5.6	76.	10.9					
%RSD	.12448	.10967	.18099	.29499					
#1	2595.8	5138.5	42100.	3674.1					
#2	2601.9	5142.6	41969.	3677.6					
#3	2600.5	5149.7	41967.	3694.4					

Sample Name: FA31930-31 Acquired: 4/13/2016 14:37:50 Type: Unk
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0016	106.4	.0274	4.171	.0015	9.973	-0.017	.0219	.2164
Stddev	.0014	.1	.0019	.0001	.0001	.063	.0003	.0003	.0020
%RSD	88.21	.1117	7.021	.0264	9.163	.6334	19.29	1.594	.9312
#1	.0032	106.2	.0294	4.169	.0014	9.916	-.0016	.0215	.2156
#2	.0011	106.5	.0272	4.171	.0016	10.04	-.0014	.0222	.2150
#3	.0005	106.4	.0256	4.171	.0014	9.961	-.0021	.0220	.2187
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	1.825	112.3	11.84	9.327	.9573	.0002	1.320	.0799	1.500
Stddev	.015	.2	.05	.205	.0024	.0004	.011	.0012	.005
%RSD	.7952	.2221	.4398	2.195	.2546	197.8	.8303	1.520	.3520
#1	1.841	112.1	11.87	9.312	.9555	.0000	1.308	.0806	1.498
#2	1.820	112.5	11.86						

Sample Name: FA31930-34 Acquired: 4/13/2016 14:42:11 Type: Unk
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.017	207.3	0.0294	7.141	0.042	11.08	-0.026	0.382	3.484
Stddev	.0006	.4	.0036	.0034	.0002	.03	.0001	.0004	.0012
%RSD	36.31	.2075	12.32	.4697	4.718	.2738	5.591	1.002	.3489
#1	-.0024	206.8	.0256	.7125	.0045	11.06	-.0027	.0378	.3496
#2	-.0013	207.6	.0328	.7119	.0042	11.12	-.0025	.0384	.3472
#3	-.0014	207.6	.0300	.7180	.0041	11.08	-.0027	.0385	.3484
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.288	181.6	14.79	16.17	9.480	0.032	1.936	1.586	7.592
Stddev	.0012	.5	.18	.36	.0027	.0002	.041	.0021	.0026
%RSD	.5299	.2676	1.243	2.209	.2802	5.454	2.104	1.318	.3457
#1	.2284	181.1	14.90	15.83	.9509	.0033	1.955	1.600	.7598
#2	.2301	181.9	14.90	16.54	.9475	.0033	1.889	1.562	.7564
#3	.2277	181.9	14.58	16.15	.9456	.0030	1.964	1.595	.7615
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.050	-0.058	4.635	0.473	0.1315	8.154	-0.055	4.520	1.956
Stddev	.0032	.0121	.006	.0019	.0006	.013	.0012	.0009	.0001
%RSD	64.41	211.2	.1351	4.035	.4510	.1632	22.10	.2026	.0507
#1	-.0013	.0075	4.629	.0452	.1316	8.168	-.0045	.4531	.1957
#2	-.0062	-.0164	4.634	.0476	.1321	8.152	-.0052	.4516	.1955
#3	-.0073	-.0083	4.642	.0490	.1309	8.142	-.0068	.4514	.1956
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2600.8	5181.7	42035.	3673.0					
Stddev	5.4	4.4	70.	19.8					
%RSD	.20797	.08446	.16648	.54032					
#1	2597.1	5181.1	41982.	3688.2					
#2	2607.0	5177.7	42010.	3650.6					
#3	2598.3	5186.4	42114.	3680.4					

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Sample Name: FA31930-35 Acquired: 4/13/2016 14:46:31 Type: Unk
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.029	142.8	0.0267	3.774	0.023	8.446	-0.022	0.256	2.693
Stddev	.0014	.4	.0036	.0021	.0001	.051	.0001	.0006	.0010
%RSD	47.90	.2804	13.53	.5673	2.504	.6020	2.777	2.273	.3664
#1	-.0019	142.6	.0293	.3771	.0024	8.390	-.0022	.0262	.2704
#2	-.0045	142.5	.0281	.3753	.0023	8.488	-.0021	.0255	.2688
#3	-.0024	143.2	.0225	.3796	.0023	8.460	-.0023	.0251	.2685
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	4.159	136.8	14.72	12.78	6.074	0.009	1.601	1.090	5.595
Stddev	.0015	.5	.04	.12	.0014	.0007	.031	.0012	.0050
%RSD	.3666	.3665	.3045	.9069	.2375	84.76	1.959	1.061	.9004
#1	.4141	136.3	14.68	12.65	.6065	.0016	1.590	1.085	.5565
#2	.4167	136.7	14.71	12.87	.6091	.002	1.576	1.081	.5565
#3	.4168	137.3	14.76	12.81	.6066	.0008	1.636	1.103	.5653
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)
Avg	-0.021	-0.085	3.857	0.413	0.1127	6.753	-0.079	3.598	1.659
Stddev	.0009	.0034	.006	.0026	.0003	.024	.0044	.0008	.0003
%RSD	41.87	40.54	.1482	6.264	.2629	.3475	54.75	2.153	.1901
#1	-.0025	-.0124	3.857	.0399	.1124	6.735	-.0130	.3590	.1655
#2	-.0011	-.0070	3.852	.0397	.1127	6.779	-.0059	.3599	.1661
#3	-.0026	-.0060	3.863	.0443	.1130	6.744	-.0050	.3606	.1661
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2612.6	5159.6	41940.	3655.4					
Stddev	6.9	11.9	150.	18.6					
%RSD	.26280	.23073	.35714	.50891					
#1	2606.4	5146.6	41960.	3668.9					
#2	2620.0	5169.9	41782.	3634.2					
#3	2611.6	5162.4	42079.	3663.2					

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7.2
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Sample Name: CCV Acquired: 4/13/2016 14:50:52 Type: QC
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.517	40.80	1.977	2.067	2.021	40.44	2.023	2.033	2.044
Stddev	.0003	.05	.004	.004	.001	.16	.004	.003	.009
%RSD	.1063	.1170	.2228	.1760	.0579	4.054	.1975	.1523	.4463
#1	.2514	40.84	1.975	2.064	2.020	40.63	2.027	2.036	2.054
#2	.2516	40.75	1.982	2.071	2.022	40.33	2.024	2.033	2.040
#3	.2520	40.81	1.974	2.067	2.021	40.36	2.019	2.030	2.038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.033	40.13	40.12	41.37	2.044	2.019	40.13	2.009	2.004
Stddev	.008	.12	.18	.28	.008	.002	.03	.005	.001
%RSD	.4042	.2904	.4564	.6801	.3999	.0889	.0755	.2447	.0668
#1	2.032	40.26	39.96	41.69	2.053	2.021	40.12	2.011	2.004
#2	2.025	40.07	40.32	41.23	2.039	2.019	40.10	2.014	2.003
#3	2.042	40.05	40.08	41.18	2.039	2.017	40.16	2.004	2.005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.976	1.996	2.045	2.058	2.014	2.025	2.008	2.019	2.009
Stddev	.005	.007	.001	.005	.002	.005	.003	.008	.006
%RSD	.2564	.3402	.0560	.2453	.1065	.2622	.1706	.3857	.3033
#1	1.978	1.995	2.045	2.063	2.014	2.030	2.005	2.028	2.013
#2	1.980	2.004	2.046	2.059	2.012	2.020	2.008	2.014	2.012
#3	1.971	1.990	2.044	2.053	2.016	2.025	2.012	2.015	2.002
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 4/13/2016 14:50:52 Type: QC
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2338.6	4882.7	40058.	3599.1
Stddev	5.7	6.2	160.	21.5
%RSD	.24204	.12671	.39872	.59655
#1	2340.8	4877.6	39873.	3574.4
#2	2342.9	4880.9	40147.	3613.6
#3	2332.2	4889.6	40153.	3609.2

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Sample Name: CCB Acquired: 4/13/2016 14:55:02 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	-0.014	.0000	-0.003	.0001	-0.021	.0000	.0000	-0.001
Stddev	.0005	.0049	.0001	.0002	.0001	.0009	.0000	.000	.0001
%RSD	146.7	356.8	357.3	55.69	149.3	44.71	1324.	361.3	227.5
#1	-0.009	-0.070	.0000	-0.001	.0001	-0.024	.0000	.0000	.0001
#2	.0000	.0011	-0.001	-0.004	.0000	-0.028	.0000	.0000	-0.001
#3	-0.001	.0018	.0002	-0.005	.0001	-0.010	.0000	.0000	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0011	.0020	.0023	-0.001	.0001	-0.023	-0.001	-0.001
Stddev	.0001	.0028	.0092	.0136	.0000	.0003	.0041	.0000	.0004
%RSD	97.58	255.7	452.5	585.4	12.93	280.4	177.1	8.647	549.1
#1	-0.001	.0032	.0035	.0146	-0.001	.0004	-0.056	-0.001	-0.004
#2	-0.002	.0021	-0.079	-0.122	-0.001	.0001	-0.036	-0.001	.0003
#3	.0000	-0.020	.0104	.0046	-0.001	-0.002	.0023	-0.001	-0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0007	.0016	-0.004	.0001	.0003	-0.007	-0.001	-0.001
Stddev	.0005	.0014	.0002	.0003	.0000	.0001	.0010	.0002	.0001
%RSD	1156.	182.2	14.94	84.56	20.65	16.39	137.5	312.4	128.6
#1	.0005	.0019	.0016	-0.007	.0001	.0003	.0004	.0001	.0000
#2	.0002	.0011	.0018	-0.003	.0001	.0002	-0.011	.0000	.0000
#3	-0.005	-0.008	.0014	-0.001	.0002	.0003	-0.015	-0.003	-0.002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/13/2016 14:55:02 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2697.4	5078.9	41772.	3684.3
Stddev	6.1	7.5	80.	5.9
%RSD	.22697	.14692	.19121	.16027
#1	2695.9	5078.1	41802.	3678.7
#2	2704.1	5086.8	41832.	3683.9
#3	2692.1	5071.9	41681.	3690.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30240-MB1 Acquired: 4/13/2016 14:59:34 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	-0.028	-0.007	-0.004	-0.002	.0102	-0.002	-0.002	.0002
Stddev	.0001	.0061	.0004	.0002	.0001	.0034	.0000	.0001	.0002
%RSD	49.38	218.5	63.42	35.76	36.49	32.82	18.19	22.66	109.7
#1	-0.002	.0041	-0.002	-0.006	-0.001	.0079	-0.001	-0.003	.0000
#2	-0.005	-0.053	-0.011	-0.003	-0.002	.0141	-0.002	-0.002	.0001
#3	-0.002	-0.071	-0.007	-0.005	-0.002	.0087	-0.002	-0.002	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.033	.0179	-0.018	-0.001	-0.007	-0.015	.0003	-0.007
Stddev	.0002	.0045	.0388	.0059	.0000	.0001	.0019	.0001	.0001
%RSD	735.0	138.6	216.6	322.3	55.78	17.49	130.7	30.01	12.08
#1	-0.002	-0.069	.0309	-0.003	.0000	-0.007	-0.035	.0002	-0.007
#2	.0002	-0.047	.0486	.0031	-0.001	-0.006	.0003	.0002	-0.006
#3	.0000	.0018	-.0257	-.0083	-0.001	-0.009	-.0012	.0004	-0.007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0009	.0094	.0217	-0.001	-0.002	-0.019	-0.003	.0001
Stddev	.0007	.0011	.0001	.0003	.0001	.0001	.0006	.0001	.0001
%RSD	221.2	123.0	.6464	1.191	70.49	21.80	30.45	33.99	68.25
#1	-0.005	.0016	.0094	.0218	-0.002	-0.002	-.0024	-.0002	.0000
#2	.0009	-0.004	.0094	.0214	.0000	-0.002	-.0022	-.0003	.0002
#3	.0005	.0015	.0093	.0219	-0.001	-0.003	-.0013	-.0003	.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30240-MB1 Acquired: 4/13/2016 14:59:34 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2732.3	5118.0	42756.	3771.4
Stddev	3.5	2.4	131.	38.5
%RSD	.12795	.04726	.30744	1.0200
#1	2735.7	5117.8	42609.	3755.3
#2	2732.5	5115.7	42799.	3815.3
#3	2728.8	5120.5	42861.	3743.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30240-B1 Acquired: 4/13/2016 15:04:07 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0471	27.15	1.886	2.076	.0515	25.39	.0493	.4986	.2033
Stddev	.0004	.04	.004	.003	.0002	.08	.0001	.0011	.0008
%RSD	.8722	.1657	.2406	.1573	.4336	.3261	.1774	.2177	.4170
#1	.0467	27.15	1.889	2.073	.0512	25.36	.0492	.4985	.2042
#2	.0475	27.11	1.881	2.079	.0515	25.32	.0493	.4976	.2029
#3	.0472	27.20	1.888	2.075	.0517	25.48	.0493	.4998	.2027

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2591	26.52	24.72	25.49	.5154	.4904	24.79	.4973	.4770
Stddev	.0016	.11	.05	.14	.0012	.0003	.04	.0011	.0005
%RSD	.6043	.4046	.1838	.5448	.2397	.0708	.1620	.2181	.1153
#1	.2582	26.52	24.69	25.51	.5167	.4903	24.76	.4969	.4772
#2	.2609	26.42	24.70	25.34	.5143	.4901	24.78	.4964	.4764
#3	.2581	26.64	24.77	25.62	.5151	.4908	24.84	.4985	.4775

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4758	1.915	.0203	.5226	.4836	.4928	1.910	.4776	.4897
Stddev	.0006	.004	.0001	.0009	.0016	.0011	.006	.0016	.0014
%RSD	.1358	.1957	.5683	.1784	.3400	.2199	.2991	.3323	.2847
#1	.4752	1.918	.0203	.5222	.4831	.4940	1.904	.4791	.4889
#2	.4758	1.917	.0203	.5237	.4822	.4920	1.916	.4759	.4890
#3	.4765	1.911	.0201	.5220	.4854	.4922	1.910	.4778	.4913

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30240-B1 Acquired: 4/13/2016 15:04:07 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2457.7	4981.1	4065.3	3612.5
Stddev	7.7	10.3	65.	27.5
%RSD	.31456	.20694	.16071	.75991
#1	2449.9	4969.7	40589.	3611.0
#2	2465.3	4989.7	40651.	3640.6
#3	2457.9	4984.1	40720.	3585.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: FA33018-1 Acquired: 4/13/2016 15:08:20 Type: Unk
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.0006	1.719	.0001	.0168	-0.0002	3.720	.0000	-0.0001	.0091
Stddev	.0003	.030	.0004	.0001	.0000	.020	.0000	.0000	.0002
%RSD	47.61	1.756	878.5	.5658	5.319	.5270	1152.	13.62	1.758
#1	-.0003	1.700	-.0004	.0169	-.0002	3.697	.0000	-.0001	.0089
#2	-.0008	1.754	.0005	.0167	-.0002	3.729	-.0001	-.0001	.0092
#3	-.0006	1.703	.0001	.0168	-.0002	3.733	.0000	-.0001	.0092

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0240	1.169	.2420	.3321	.0485	.0008	.1189	.0009	.0367
Stddev	.0003	.001	.0307	.0108	.0001	.0001	.0034	.0001	.0005
%RSD	1.236	.0876	12.70	3.238	.1771	6.497	2.840	13.17	1.483
#1	.0237	1.170	.2775	.3445	.0485	.0009	.1224	.0011	.0366
#2	.0243	1.168	.2227	.3260	.0486	.0009	.1186	.0009	.0362
#3	.0240	1.170	.2259	.3257	.0485	.0008	.1157	.0009	.0372

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0011	.0017	.5919	.0180	.0155	.3656	-.0025	.0038	.1009
Stddev	.0009	.0010	.0006	.0004	.0000	.0008	.0004	.0002	.0007
%RSD	82.59	61.02	.1027	2.462	.3205	.2135	17.62	5.443	.6669
#1	.0020	.0027	.5914	.0178	.0156	.3657	-.0023	.0037	.1005
#2	.0009	.0006	.5916	.0185	.0155	.3663	-.0030	.0041	.1016
#3	.0003	.0017	.5925	.0176	.0155	.3648	-.0021	.0037	.1004

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2708.0	5164.9	4295.3	3696.5
Stddev	2.0	3.9	105.	27.5
%RSD	.07240	.07606	.24526	.74333
#1	2706.6	5161.7	43054.	3726.1
#2	2707.1	5163.7	42843.	3671.7
#3	2710.2	5169.3	42961.	3691.8

Sample Name: MP30240-D1 Acquired: 4/13/2016 15:12:46 Type: Unk
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	-0.0003	1.678	-0.0006	.0203	-0.0002	3.663	.0000	-0.0001	.0086
Stddev	.0002	.010	.0002	.0003	.0000	.028	.0000	.0001	.0001
%RSD	79.22	.6117	42.04	1.334	19.43	.7500	75.71	80.64	1.067
#1	-.0001	1.670	-.0003	.0205	-.0002	3.641	.0000	-.0001	.0087
#2	-.0005	1.689	-.0006	.0200	-.0002	3.655	.0001	-.0001	.0086
#3	-.0003	1.674	-.0007	.0205	-.0001	3.694	.0000	.0000	.0085

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0249	1.115	.3002	.3283	.0461	.0006	.1383	.0010	.0373
Stddev	.0003	.008	.0270	.0053	.0002	.0002	.0076	.0001	.0006
%RSD	1.022	.7188	8.992	1.610	.3403	29.25	5.497	13.31	1.510
#1	.0248	1.107	.2912	.3240	.0459	.0007	.1441	.0009	.0372
#2	.0252	1.115	.3305	.3342	.0461	.0004	.1297	.0010	.0368
#3	.0248	1.123	.2788	.3267	.0462	.0006	.1411	.0011	.0379

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0007	.0003	.5791	.0177	.0167	.3648	-.0022	.0037	.1002
Stddev	.0002	.0004	.0011	.0001	.0001	.0016	.0003	.0001	.0001
%RSD	22.24	128.1	.1903	.7344	.4647	.4468	13.68	2.734	.1147
#1	.0009	.0008	.5800	.0176	.0166	.3630	-.0019	.0037	.1003
#2	.0006	.0000	.5796	.0178	.0168	.3662	-.0020	.0038	.1002
#3	.0007	.0001	.5779	.0176	.0166	.3651	-.0025	.0036	.1001

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2696.9	5154.2	4318.	3708.3
Stddev	5.6	7.6	156.	16.1
%RSD	.20898	.14715	.36187	.43431
#1	2694.8	5146.2	43292.	3726.9
#2	2692.7	5155.2	42989.	3698.8
#3	2703.4	5161.3	43074.	3699.1

Sample Name: MP30240-SD1 Acquired: 4/13/2016 15:17:13 Type: Unk
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.013	1.748	.0009	.0173	-0.009	3.963	-0.006	-0.006	.0082
Stddev	.0009	.035	.0037	.0011	.0004	.070	.0003	.0003	.0006
%RSD	74.10	2.031	424.5	6.531	42.40	1.754	47.16	57.15	7.322
#1	-0.018	1.753	.0051	.0160	-0.013	3.977	-0.004	-0.005	.0076
#2	-0.002	1.780	-0.010	.0180	-0.005	3.887	-0.010	-0.010	.0082
#3	-0.019	1.710	-0.015	.0180	-0.011	4.024	-0.006	-0.003	.0088
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0245	1.175	.4037	.2194	.0508	-0.039	.1575	-0.003	.0381
Stddev	.0015	.033	.0472	.0797	.0012	.0002	.0768	.0003	.0028
%RSD	5.988	2.770	11.69	36.31	2.400	5.063	48.75	88.68	7.290
#1	.0228	1.210	.3672	.1276	.0514	-0.039	.0915	-0.006	.0411
#2	.0254	1.168	.4570	.2615	.0494	-0.037	.1392	-0.001	.0356
#3	.0253	1.146	.3871	.2693	.0515	-0.041	.2417	-0.002	.0376
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.006	.0033	.6461	.0164	.0158	.3811	-0.058	.0023	.1431
Stddev	.0044	.0044	.0064	.0006	.0001	.0078	.0044	.0007	.0018
%RSD	719.8	131.0	.9972	3.510	.6750	2.050	76.90	30.28	1.285
#1	-0.022	.0071	.6413	.0157	.0158	.3860	-0.048	.0030	.1424
#2	-0.039	-0.014	.6435	.0167	.0156	.3721	-0.016	.0021	.1417
#3	.0044	.0043	.6534	.0167	.0158	.3853	-0.019	.0017	.1452
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2722.6	5177.3	42555.	3723.8					
Stddev	20.4	37.6	656.	7.9					
%RSD	.74755	.72577	1.5411	.21245					
#1	2729.2	5197.3	42197.	3715.9					
#2	2738.9	5200.7	43312.	3723.7					
#3	2699.8	5134.0	42157.	3731.8					

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Sample Name: MP30240-PS1 Acquired: 4/13/2016 15:21:42 Type: Unk
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0469	4.224	.0987	.2823	.0511	8.847	.0510	.0520	.0615
Stddev	.0002	.008	.0003	.0010	.0002	.028	.0002	.0002	.0005
%RSD	.4180	.1934	.2754	.3441	.3159	.3184	.3105	.4131	.7562
#1	.0471	4.215	.0986	.2823	.0509	8.861	.0508	.0518	.0620
#2	.0468	4.231	.0990	.2813	.0512	8.815	.0511	.0522	.0614
#3	.0469	4.226	.0985	.2833	.0512	8.865	.0511	.0519	.0611
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1301	4.252	9.900	5.522	.1009	.1028	10.07	.1027	.0843
Stddev	.0010	.008	.036	.053	.0002	.0004	.02	.0002	.0005
%RSD	.7914	.1926	.3641	.9692	.2137	.3462	.1518	.2294	.5717
#1	.1299	4.260	9.915	5.532	.1012	.1030	10.07	.1024	.0842
#2	.1291	4.244	9.926	5.464	.1008	.1031	10.09	.1029	.0848
#3	.1312	4.250	9.859	5.570	.1008	.1024	10.06	.1027	.0839
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1025	.0967	.6057	.0672	.0647	.4639	.0954	.0531	.3570
Stddev	.0010	.0011	.0014	.0001	.0002	.0010	.0015	.0002	.0008
%RSD	.9455	1.124	.2249	.0958	.3019	.2197	1.570	.3537	.2252
#1	.1017	.0959	.6043	.0671	.0648	.4638	.0958	.0533	.3571
#2	.1023	.0962	.6070	.0673	.0647	.4629	.0937	.0531	.3578
#3	.1036	.0979	.6058	.0672	.0644	.4649	.0966	.0530	.3562
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2589.1	5076.9	41701.	3661.2					
Stddev	11.5	9.8	94.	6.8					
%RSD	.44462	.19371	.22424	.18491					
#1	2581.5	5068.5	41595.	3668.3					
#2	2602.4	5087.7	41771.	3660.4					
#3	2583.5	5074.6	41737.	3654.8					

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7.2

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Sample Name: MP30240-S1 Acquired: 4/13/2016 15:26:00 Type: Unk
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0466	29.00	1.798	2.102	.0518	28.41	.0493	.4982	.2112
Stddev	.0001	.03	.003	.001	.0001	.03	.0000	.0005	.0014
%RSD	.3124	.1094	.1483	.0407	.2369	.0926	.0549	.1023	.6608
#1	.0466	29.03	1.800	2.102	.0519	28.39	.0494	.4984	.2097
#2	.0464	28.97	1.795	2.101	.0518	28.42	.0493	.4977	.2112
#3	.0467	29.01	1.799	2.102	.0516	28.44	.0493	.4986	.2125
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2799	27.47	24.87	25.91	.5506	.4672	24.95	.4968	.5075
Stddev	.0009	.07	.02	.13	.0026	.0003	.04	.0002	.0019
%RSD	.3353	.2452	.0769	.4979	.4745	.0742	.1513	.0446	.3822
#1	.2802	27.55	24.86	25.97	.5481	.4669	24.91	.4970	.5087
#2	.2806	27.45	24.89	25.76	.5503	.4670	24.97	.4966	.5086
#3	.2788	27.42	24.86	26.00	.5533	.4676	24.98	.4969	.5053
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.4216	1.877	.7995	.5092	.4969	.6086	1.910	.4759	.5688
Stddev	.0019	.003	.0026	.0007	.0007	.0017	.005	.0021	.0009
%RSD	.4594	.1545	.3290	.1313	.1371	.2860	.2403	.4485	.1616
#1	.4195	1.878	.7998	.5087	.4977	.6067	1.913	.4734	.5697
#2	.4220	1.874	.7967	.5089	.4967	.6090	1.913	.4772	.5689
#3	.4233	1.880	.8019	.5099	.4964	.6102	1.905	.4770	.5678
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2454.4	5000.8	40823.	3618.9					
Stddev	4.9	6.5	231.	11.4					
%RSD	.20062	.13018	.56629	.31398					
#1	2450.2	4997.0	40995.	3608.3					
#2	2453.2	5008.3	40914.	3630.9					
#3	2459.8	4997.1	40560.	3617.6					

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Sample Name: MP30240-S2 Acquired: 4/13/2016 15:30:12 Type: Unk
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0473	29.77	1.781	2.119	.0521	29.31	.0496	.4997	.2164
Stddev	.0006	.05	.001	.003	.0003	.11	.0001	.0003	.0003
%RSD	1.274	.1558	.0688	.1414	.5160	.3745	.2098	.0550	.1264
#1	.0470	29.81	1.782	2.122	.0521	29.42	.0494	.4997	.2164
#2	.0480	29.72	1.781	2.116	.0518	29.20	.0496	.5000	.2167
#3	.0469	29.79	1.780	2.119	.0523	29.30	.0496	.4994	.2162
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2871	27.93	25.23	26.08	.5633	.4683	25.15	.4980	.5210
Stddev	.0015	.10	.10	.17	.0011	.0005	.08	.0011	.0026
%RSD	.5091	.3433	.3797	.6326	.2008	.1057	.3087	.2177	.4987
#1	.2860	28.02	25.28	26.11					

Sample Name: FA32998-32 Acquired: 4/13/2016 15:34:24 Type: Unk
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	47.98	.0095	.1125	.0021	19.60	.0006	.0021	.0651
Stddev	.0002	.14	.0010	.0001	.0001	.08	.0000	.0001	.0003
%RSD	130.2	.3010	10.81	.0772	2.654	.4075	4.921	3.572	.5158
#1	.0001	47.92	.0107	.1126	.0021	19.54	.0006	.0020	.0649
#2	-.0004	48.14	.0092	.1125	.0021	19.58	.0007	.0020	.0655
#3	-.0003	47.87	.0087	.1125	.0022	19.69	.0006	.0022	.0650
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(In2306)
Avg	.0339	10.03	.3380	1.382	.0377	-0.001	1.387	.0176	.0481
Stddev	.0004	.02	.0206	.020	.0002	.0024	.0000	.0006	.0006
%RSD	1.128	.1648	6.083	1.408	.4450	170.4	1.755	.2635	1.194
#1	.0336	10.01	.3542	1.365	.0376	.0001	1.397	.0177	.0477
#2	.0343	10.04	.3149	1.378	.0378	-.0001	1.359	.0177	.0479
#3	.0337	10.02	.3450	1.403	.0375	-.0002	1.404	.0176	.0488
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0003	.0042	1.432	.0171	.3227	.1933	-.0029	.0369	.3835
Stddev	.0012	.0009	.002	.0002	.0006	.0006	.0013	.0002	.0014
%RSD	462.2	20.36	.1616	1.021	.1749	.2997	46.62	.4502	.3629
#1	.0010	.0052	1.429	.0169	.3231	.1935	-.0029	.0369	.3851
#2	-.0011	.0035	1.433	.0172	.3230	.1937	-.0015	.0371	.3824
#3	.0010	.0039	1.433	.0171	.3221	.1926	-.0042	.0367	.3831
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2593.2	5536.1	45346.	3911.6					
Stddev	9.2	8.7	56.	23.4					
%RSD	.35617	.15682	.12300	.59834					
#1	2586.8	5535.7	45409.	3938.6					
#2	2603.8	5544.9	45301.	3896.9					
#3	2588.9	5527.6	45328.	3899.4					

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Sample Name: FA32998-33 Acquired: 4/13/2016 15:38:47 Type: Unk
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	26.91	.0061	.2745	.0031	11.27	.0003	.0038	.0677
Stddev	.0001	.02	.0000	.0008	.0001	.02	.0001	.0001	.0001
%RSD	14.58	.0691	.6547	.2842	2.252	.1914	22.31	1.907	.1670
#1	-.0006	26.91	.0061	.2754	.0030	11.27	.0002	.0037	.0676
#2	-.0005	26.92	.0061	.2739	.0032	11.29	.0003	.0039	.0678
#3	-.0005	26.89	.0061	.2742	.0031	11.25	.0003	.0038	.0676
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1186	9.969	.6999	1.228	.0138	-.0005	1.519	.0120	.0632
Stddev	.0001	.007	.0142	.034	.0000	.0001	.0133	.0000	.0009
%RSD	.1231	.0732	2.033	2.740	.1364	12.33	8.747	.2626	1.467
#1	.1186	9.977	.7069	1.265	.0138	-.0006	1.396	.0121	.0633
#2	.1188	9.966	.6835	1.199	.0138	-.0005	1.502	.0120	.0641
#3	.1185	9.963	.7094	1.219	.0139	-.0006	1.660	.0121	.0623
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0012	.0006	2.139	.0156	.6246	.1528	-.0038	.0661	.0637
Stddev	.0004	.0012	.003	.0004	.0020	.0000	.0011	.0001	.0002
%RSD	30.16	180.9	.1210	2.707	3.145	.0103	29.11	.1724	.3746
#1	-.0016	.0016	2.142	.0156	.6230	.1528	-.0048	.0660	.0634
#2	-.0011	-.0007	2.137	.0160	.6268	.1528	-.0040	.0661	.0638
#3	-.0010	.0010	2.137	.0152	.6239	.1528	-.0026	.0662	.0638
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2611.1	5896.2	48440.	4175.7					
Stddev	3.3	4.7	237.	10.7					
%RSD	.12795	.07952	.48962	.25519					
#1	2607.3	5899.3	48430.	4179.8					
#2	2612.5	5890.8	48207.	4163.6					
#3	2613.5	5898.5	48681.	4183.6					

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7.2
7

Sample Name: CCV Acquired: 4/13/2016 15:43:09 Type: QC
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.517	40.94	1.956	2.084	2.014	40.23	2.008	2.029	2.033
Stddev	.0010	.36	.003	.018	.019	.40	.002	.001	.003
%RSD	.4105	.8787	.1671	.8464	.9312	.9872	.0865	.0296	.1688
#1	.2519	41.08	1.953	2.089	2.021	40.32	2.007	2.028	2.037
#2	.2506	41.22	1.957	2.098	2.028	40.57	2.010	2.029	2.032
#3	.2527	40.53	1.959	2.064	1.993	39.79	2.008	2.029	2.030

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.034	40.05	39.93	41.64	2.008	2.015	40.01	1.988	2.004
Stddev	.007	.33	.41	.38	.003	.001	.39	.001	.001
%RSD	.3362	.8359	1.017	.9206	.1515	.0425	.9651	.0690	.0461
#1	2.027	40.16	40.14	41.76	2.011	2.014	40.15	1.987	2.003
#2	2.034	40.31	40.18	41.95	2.009	2.015	40.31	1.989	2.004
#3	2.040	39.67	39.46	41.21	2.005	2.015	39.58	1.989	2.004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.959	1.981	2.028	2.060	1.998	1.993	2.002	1.990	1.976
Stddev	.002	.006	.001	.002	.019	.001	.001	.004	.003
%RSD	.0742	.2859	.0512	.0876	.9376	.0552	.0622	.2247	.1311
#1	1.958	1.976	2.029	2.058	2.003	1.992	2.004	1.995	1.976
#2	1.958	1.980	2.026	2.059	2.013	1.994	2.001	1.987	1.979
#3	1.960	1.988	2.028	2.062	1.977	1.992	2.002	1.989	1.974

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

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Sample Name: CCV Acquired: 4/13/2016 15:43:09 Type: QC
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2330.6	4908.1	40388.	3610.8
Stddev	3.0	4.7	84.	38.9
%RSD	.12776	.09618	.20715	1.0770
#1	2333.9	4909.3	40309.	3586.1
#2	2328.1	4912.0	40378.	3590.7
#3	2329.8	4902.9	40475.	3655.6

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Sample Name: CCB Acquired: 4/13/2016 15:47:20 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	-0.0026	.0007	-0.001	.0002	.0030	.0000	.0000	.0000
Stddev	.0002	.0042	.0008	.0002	.0001	.0038	.0000	.0000	.0001
%RSD	93.24	161.3	118.7	179.1	81.81	126.4	3335.	286500.	265.6

#1	-0.003	-0.0067	.0001	-0.003	.0003	.0008	.0001	.0000	.0001
#2	.0000	.0017	.0003	.0001	.0002	.0074	.0000	.0000	.0000
#3	-0.004	-0.0027	.0016	-0.001	.0000	.0008	.0000	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0021	-0.724	.0271	.0000	.0001	-0.045	.0001	.0001
Stddev	.000	.0021	.0541	.0515	.0000	.0003	.0093	.0002	.0005
%RSD	327.2	100.5	74.75	189.8	43.84	468.6	206.9	246.3	465.8

#1	.0001	.0044	-0.718	.0861	.0000	.0004	.0062	.0000	-0.002
#2	-0.002	.0012	-1.268	.0049	.0000	.0000	-0.090	-0.001	-0.002
#3	.0000	.0005	-0.186	-0.0095	.0000	-0.002	-0.108	.0003	.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.0003	.0015	-0.001	.0002	.0002	-0.013	.0001	-0.001
Stddev	.000	.0020	.0003	.0003	.0000	.0000	.0009	.0002	.0000
%RSD	140.1	605.6	18.33	548.6	14.65	25.53	71.24	310.0	55.38

#1	.0001	.0004	.0016	.0003	.0002	.0002	-0.009	-0.001	.0000
#2	.0000	-0.0025	.0012	-0.001	.0002	.0001	-0.006	.0003	-0.001
#3	-0.002	.0012	.0018	-0.004	.0002	.0002	-0.024	.0001	-0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/13/2016 15:47:20 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2714.7	5159.0	41993.	3650.8
Stddev	13.0	24.7	41.	14.1
%RSD	.47749	.47848	.09715	.38555

#1	2727.3	5186.7	42023.	3644.4
#2	2715.5	5151.1	41946.	3666.9
#3	2701.4	5139.2	42009.	3641.0

Sample Name: FA32998-34 Acquired: 4/13/2016 15:51:52 Type: Unk
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref (Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.0007	28.76	.0057	.1050	.0026	4.586	-0.001	.0023	.0481
Stddev	.0001	.10	.0009	.0001	.0000	.016	.0001	.0001	.0002
%RSD	15.61	.3428	15.07	.1074	.1192	.3528	132.8	2.247	.3770

#1	-0.0006	28.67	.0066	.1051	.0026	4.569	-0.001	.0023	.0480
#2	-0.0008	28.86	.0053	.1049	.0026	4.601	-0.001	.0023	.0483
#3	-0.0006	28.76	.0050	.1049	.0026	4.588	.0000	.0022	.0481

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref (Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	
Avg	.0004	6.655	3.654	.6484	.0106	-0.003	.0925	.0088	.0345
Stddev	.0003	.021	.0363	.0124	.0001	.0001	.0094	.0001	.0005
%RSD	3.729	.3229	9.939	1.907	.9987	19.86	10.18	1.092	1.370

#1	.0095	6.631	.3236	.6370	.0107	-0.003	.1018	.0088	.0340
#2	.0096	6.650	.3839	.6467	.0107	-0.003	.0829	.0089	.0345
#3	.0090	6.673	.3888	.6615	.0105	-0.002	.0926	.0087	.0350

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref (Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	
Avg	-0.0009	.0026	1.946	.0152	.2289	1.864	-0.039	.0470	.0082
Stddev	.0004	.0004	.002	.0003	.0009	.0002	.0005	.0001	.0000
%RSD	47.24	14.53	.1093	1.933	.3930	.1068	12.11	.1117	.1609

#1	-0.0007	.0022	1.944	.0150	.2278	.1866	-0.037	.0469	.0082
#2	-0.0006	.0025	1.946	.0150	.2295	.1862	-0.035	.0470	.0082
#3	-0.0014	.0030	1.949	.0155	.2293	.1864	-0.044	.0469	.0082

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2640.3	5492.0	45171.	3874.3
Stddev	3.1	4.4	43.	5.2
%RSD	.11741	.07967	.09450	.13474

#1	2640.2	5487.4	45220.	3876.8
#2	2643.5	5496.1	45143.	3868.3
#3	2637.3	5492.6	45150.	3877.8

Sample Name: FA32998-35 Acquired: 4/13/2016 15:56:16 Type: Unk
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref (Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.0005	25.62	.0078	.1926	.0016	18.58	.0005	.0028	.0587
Stddev	.0001	.24	.0004	.0009	.0001	.18	.0001	.0000	.0002
%RSD	28.93	.9483	4.649	4.888	3.088	.9806	11.24	.7169	.3317

#1	-0.0004	25.49	.0082	.1925	.0016	18.53	.0004	.0028	.0586
#2	-0.0006	25.90	.0075	.1936	.0016	18.79	.0005	.0028	.0587
#3	-0.0005	25.46	.0079	.1917	.0017	18.43	.0006	.0028	.0590

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref (Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	
Avg	.0181	10.43	4.450	1.186	.0373	-0.003	.1885	.0095	.0601
Stddev	.0001	.09	.0106	.014	.0001	.0002	.0081	.0002	.0007
%RSD	.3996	.8666	2.380	1.204	.2907	53.79	4.273	2.213	1.242

#1	.0182	10.41	4.565	1.176	.0373	-0.002	.1932	.0095	.0609
#2	.0182	10.53	4.429	1.202	.0371	-0.005	.1931	.0093	.0599
#3	.0180	10.35	4.356	1.179	.0374	-0.002	.1792	.0098	.0595

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref (Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	
Avg	-0.0007	.0037	1.897	.0175	.4725	.1345	-0.023	.0567	.3232
Stddev	.0012	.0016	.004	.0002	.0029	.0005	.0003	.0004	.0008
%RSD	159.3	42.79	.2176	1.101	.6216	.3498	13.87	.6642	.2613

#1	-0.0008	.0039	1.895	.0177	.4724	.1350	-0.019	.0569	.3236
#2	-0.0005	.0020	1.895	.0175	.4755	.1341	-0.025	.0569	.3222
#3	-0.0019	.0052	1.902	.0173	.4696	.1345	-0.024	.0563	.3238

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2602.0	5486.2	45326.	3910.7
Stddev	9.0	10.4	180.	45.1
%RSD	.34774	.18938	.39788	1.1535

#1	2602.3	5493.5	45170.	3915.8
#2	2610.9	5490.8	45523.	3863.2
#3	2592.8	5474.3	45285.	3953.0

Sample Name: FA32998-36 Acquired: 4/13/2016 16:00:40 Type: Unk
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	21.98	0.067	0.477	0.009	5.741	-0.001	0.009	0.294
Stddev	0.002	.12	0.011	0.002	0.001	.029	0.000	0.000	0.002
%RSD	50.69	.5601	16.85	.5093	8.201	.5104	19.73	1.598	.5512
#1	-0.007	21.84	0.059	0.475	0.009	5.708	-0.002	0.009	0.292
#2	-0.004	22.02	0.080	0.476	0.008	5.762	-0.001	0.009	0.295
#3	-0.002	22.07	0.063	0.479	0.009	5.754	-0.001	0.009	0.295
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.044	8.864	2.738	5.662	0.124	-0.005	1.221	0.055	0.230
Stddev	0.001	.043	0.086	0.099	0.001	0.002	0.062	0.002	0.008
%RSD	1.330	.4872	3.124	1.743	.6310	30.87	5.117	2.956	3.548
#1	0.044	8.814	2.797	5.626	0.124	-0.005	1.280	0.053	0.238
#2	0.043	8.886	2.777	5.587	0.124	-0.007	1.227	0.056	0.231
#3	0.044	8.890	2.640	5.774	0.123	-0.004	1.155	0.054	0.222
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.009	0.030	1.476	0.166	1.108	1.672	-0.029	0.403	0.563
Stddev	0.002	0.023	0.003	0.001	0.006	0.002	0.010	0.004	0.002
%RSD	23.53	74.96	.1832	.7064	.5377	.0988	33.63	1.065	.3058
#1	-0.011	0.037	1.474	0.168	1.101	1.672	-0.026	0.408	0.561
#2	-0.009	0.005	1.479	0.166	1.113	1.673	-0.040	0.400	0.564
#3	-0.007	0.048	1.475	0.166	1.109	1.670	-0.022	0.401	0.564
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2656.4	5365.2	4412.1	3769.6					
Stddev	3.0	1.6	145.	41.0					
%RSD	.11209	.03041	.32834	1.0866					
#1	2659.6	5366.7	4397.7	3808.2					
#2	2655.9	5365.5	4411.9	3774.1					
#3	2653.7	5363.5	4426.7	3726.6					

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Sample Name: FA32998-37 Acquired: 4/13/2016 16:05:05 Type: Unk
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	16.93	0.048	1.299	0.018	8.445	0.001	0.024	0.396
Stddev	0.003	.07	0.008	0.003	0.000	.019	0.000	0.001	0.002
%RSD	42.22	.4250	16.64	.2033	.9337	.2234	30.96	2.821	.3822
#1	-0.007	16.93	0.048	1.296	0.019	8.453	0.001	0.025	0.397
#2	-0.003	16.87	0.055	1.301	0.018	8.423	0.001	0.025	0.394
#3	-0.008	17.01	0.039	1.299	0.018	8.458	0.002	0.024	0.395
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.092	4.631	2.840	6.420	0.087	-0.007	0.875	0.069	0.352
Stddev	0.002	0.01	0.255	0.313	0.001	0.000	0.062	0.001	0.002
%RSD	2.425	.0244	8.987	4.878	.7195	6.710	7.111	1.907	.6115
#1	0.094	4.632	2.564	6.349	0.087	-0.008	0.811	0.071	0.353
#2	0.091	4.631	2.887	6.149	0.087	-0.007	0.935	0.069	0.349
#3	0.090	4.630	3.068	6.763	0.088	-0.007	0.881	0.068	0.353
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.006	0.024	1.643	0.145	2.912	1.479	-0.017	0.395	0.098
Stddev	0.011	0.019	0.004	0.001	0.005	0.003	0.008	0.001	0.000
%RSD	170.0	81.92	.2184	.7857	.1824	.2055	48.69	.3046	.1870
#1	-0.015	0.042	1.640	0.145	2.911	1.476	-0.024	0.396	0.098
#2	0.005	0.003	1.647	0.146	2.907	1.482	-0.008	0.396	0.098
#3	-0.009	0.026	1.642	0.144	2.918	1.478	-0.020	0.394	0.098
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2657.4	5599.7	4632.7	3974.6					
Stddev	4.7	11.8	29.	5.5					
%RSD	.17771	.21129	.06293	.13765					
#1	2662.6	5613.3	4636.1	3971.5					
#2	2656.4	5591.9	4631.1	3980.9					
#3	2653.3	5594.0	4631.0	3971.3					

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7.2
7

Sample Name: FA32998-38 Acquired: 4/13/2016 16:09:31 Type: Unk
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	16.90	0.053	0.387	0.012	2.374	-0.002	0.010	0.265
Stddev	0.001	.10	0.010	0.002	0.000	.013	0.000	0.001	0.003
%RSD	61.58	.6176	18.63	4.678	2.528	.5634	12.11	11.29	1.109
#1	-0.001	16.78	0.045	0.389	0.012	2.360	-0.002	0.009	0.262
#2	-0.001	16.94	0.049	0.385	0.012	2.376	-0.002	0.011	0.266
#3	-0.003	16.98	0.064	0.388	0.012	2.387	-0.002	0.010	0.267
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.024	4.861	1.807	3.806	0.069	-0.008	0.520	0.049	0.185
Stddev	0.001	0.16	0.257	0.168	0.001	0.000	0.021	0.002	0.007
%RSD	6.087	.3343	14.23	4.416	.7839	.7701	4.115	3.573	4.022
#1	0.025	4.842	2.030	3.904	0.069	-0.008	0.499	0.051	0.193
#2	0.022	4.873	1.867	3.903	0.070	-0.008	0.520	0.050	0.180
#3	0.024	4.868	1.526	3.612	0.069	-0.008	0.542	0.047	0.181
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.007	0.026	8.642	0.140	0.615	1.446	-0.032	0.269	0.068
Stddev	0.003	0.002	0.011	0.002	0.003	0.003	0.005	0.001	0.000
%RSD	42.39	8.130	.1264	1.240	.5050	.1813	14.52	5.055	.6934
#1	-0.009	0.024	8.645	0.138	0.612	1.444	-0.031	0.268	0.068
#2	-0.009	0.028	8.652	0.142	0.618	1.449	-0.037	0.270	0.068
#3	-0.004	0.025	8.630	0.140	0.616	1.444	-0.028	0.270	0.068
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2659.3	5585.7	4622.2	3982.4					
Stddev	9.0	7.6	90.	13.0					
%RSD	.33972	.13612	.19520	.32553					
#1	2658.8	5586.8	4632.2	3995.4					
#2	2668.6	5592.6	4620.0	3969.5					
#3	2650.6	5577.6	4614.5	3982.2					

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Sample Name: FA33034-1 Acquired: 4/13/2016 16:14:00 Type: Unk
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.012	73.29	0.127	1.053	0.123	24.39	0.006	0.111	1.890
Stddev	0.001	.07	0.001	0.003	0.000	.06	0.000	0.001	0.022
%RSD	7.426	.0978	1.049	.3011	.2096	2.597	4.203	.5680	1.187
#1	-0.012	73.35	0.127	1.050	0.123	24.46	0.006	0.111	1.916
#2	-0.013	73.21	0.126	1.056	0.123	24.33	0.006	0.110	1.877
#3	-0.012	73.31	0.129	1.053	0.123	24.39	0.006	0.112	1.877
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.151	27.82	7.027	18.17	0.670	0.024	7.312	0.259	1.497
Stddev	0.002	.09	0.15	.12	0.006	0.000	0.020	0.001	0.015
%RSD	1.329	.3408	2.059	.6482	.9625	1.900	2.740	.2631	1.032
#1	0.153	27.89	7.022	18.27	0.677	0.023	7.292	0.260	1.505
#2	0.153	27.71	7.0						

Sample Name: FA32989-1 Acquired: 4/13/2016 16:18:19 Type: Unk
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	5.737	0.024	2.319	0.001	F 1508.	0.011	0.030	0.020
Stddev	0.009	0.016	0.0016	0.009	0.000	11.	0.000	0.000	0.005
%RSD	220.1	2832	3.826	3946	22.03	6990	3.606	8892	2.655
#1	-0.005	5.754	0.038	2.310	0.001	1514.	0.012	0.030	0.020
#2	-0.006	5.722	0.046	2.318	0.002	1496.	0.011	0.030	0.019
#3	-0.013	5.734	0.048	2.328	0.002	1514.	0.011	0.030	0.020
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	0.024	8.415	5.454	3.057	0.017	0.030	14.69	0.070	0.013
Stddev	0.005	0.018	0.010	0.036	0.007	0.001	0.03	0.002	0.007
%RSD	2.197	2.167	3.122	1.181	9393	3.377	2.130	3.238	5.560
#1	0.025	8.406	5.265	3.090	0.011	0.030	14.71	0.072	0.0126
#2	0.0249	8.402	5.501	3.019	0.016	0.031	14.71	0.068	0.0127
#3	0.0239	8.436	5.595	3.064	0.024	0.029	14.66	0.068	0.0115
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	-0.0034	0.011	1.736	0.0169	F 7.719	0.0988	0.019	0.0324	0.7274
Stddev	0.005	0.027	0.06	0.005	0.071	0.002	0.014	0.003	0.009
%RSD	15.50	24.08	3.389	3.250	9.254	1.524	76.79	9.675	1.275
#1	-0.0038	0.0122	1.733	0.0175	7.732	0.989	0.035	0.0320	0.7274
#2	-0.0035	0.0130	1.743	0.0167	7.643	0.989	0.008	0.0326	0.7265
#3	-0.0028	0.0080	1.733	0.0165	7.784	0.986	0.013	0.0326	0.7284
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1986.7	4512.9	3702.9	3568.1					
Stddev	4.9	14.1	35.4	17.7					
%RSD	24500	31254	95621	49660					
#1	1991.5	4523.2	36826.	3553.6					
#2	1981.8	4496.8	36823.	3587.9					
#3	1986.9	4518.8	37437.	3562.9					

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Sample Name: FA32989-2 Acquired: 4/13/2016 16:22:58 Type: Unk
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	37.66	4.734	6.903	0.044	F 1499.	0.067	0.0195	0.4695
Stddev	0.001	0.05	0.012	0.020	0.000	1.	0.000	0.001	0.006
%RSD	38.11	1398	2546	2882	7828	0839	7310	4184	1367
#1	-0.004	37.66	4.722	6.882	0.044	1498.	0.066	0.0195	0.4692
#2	-0.002	37.61	4.734	6.906	0.044	1501.	0.067	0.0194	0.4690
#3	-0.004	37.71	4.746	6.922	0.044	1500.	0.067	0.0195	0.4702
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	0.7984	72.36	2.276	116.5	2.199	0.017	13.31	0.079	2.067
Stddev	0.026	0.08	0.015	3	0.020	0.003	0.07	0.005	0.03
%RSD	3.256	1047	6565	2858	8927	1.778	4883	6625	1291
#1	0.808	72.44	2.290	116.5	2.205	0.0155	13.29	0.0733	2.067
#2	0.7987	72.34	2.260	116.8	2.177	0.0157	13.25	0.0724	2.070
#3	0.7956	72.29	2.278	116.1	2.215	0.0161	13.38	0.0731	2.064
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	-0.0018	0.0124	2.075	0.0453	F 6.101	0.051	0.0042	0.1189	F 22.19
Stddev	0.004	0.019	0.03	0.004	0.051	0.011	0.010	0.006	0.03
%RSD	25.44	15.71	1599	8844	8404	1845	24.21	4884	1.132
#1	-0.0020	0.0145	2.075	0.0454	6.055	0.051	0.0039	0.1196	22.17
#2	-0.0021	0.0121	2.071	0.0449	6.156	0.051	0.0033	0.1186	22.22
#3	-0.0012	0.0107	2.078	0.0457	6.092	0.051	0.0053	0.1185	22.18
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1941.2	4935.8	4009.2	3760.5					
Stddev	2.3	7.1	284.	2.6					
%RSD	11691	14382	70900	06806					
#1	1940.9	4935.8	3997.9	3758.1					
#2	1943.6	4942.9	40415.	3760.4					
#3	1939.1	4928.7	39881.	3763.2					

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Sample Name: FA32989-3 Acquired: 4/13/2016 16:27:43 Type: Unk
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	4.005	1.079	5.239	0.051	F 690.1	0.085	0.0215	0.7010
Stddev	0.001	0.01	0.001	0.019	0.001	2.9	0.000	0.001	0.023
%RSD	37.85	0.269	0.539	3.685	2.313	4.243	5.132	6.260	3.265
#1	-0.004	4.006	1.078	5.218	0.050	687.0	0.084	0.0214	0.7019
#2	-0.004	4.005	1.079	5.256	0.053	690.4	0.085	0.0217	0.7028
#3	-0.002	4.004	1.079	5.243	0.051	692.8	0.085	0.0215	0.6984
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	1.047	100.6	4.389	39.81	0.437	0.139	6.381	0.880	1.692
Stddev	0.04	3	0.09	1.3	0.029	0.002	0.11	0.003	0.02
%RSD	3.710	2.613	2.064	3.258	3.395	1.735	1.696	3.304	1.203
#1	1.049	100.3	4.399	39.69	0.467	0.138	6.369	0.877	1.694
#2	1.042	100.8	4.383	39.95	0.436	0.142	6.384	0.882	1.691
#3	1.049	100.6	4.385	39.80	0.409	0.139	6.390	0.881	1.691
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	-0.0024	0.069	1.325	0.0561	2.818	1.178	0.003	0.0923	F 27.80
Stddev	0.013	0.024	0.04	0.005	0.05	0.003	0.004	0.005	0.37
%RSD	54.27	34.24	3.274	9.127	1.855	2.299	147.8	5.744	1.340
#1	-0.0027	0.044	1.320	0.0565	2.812	1.181	-0.002	0.0917	28.09
#2	-0.0035	0.073	1.325	0.0556	2.821	1.176	0.005	0.0927	27.38
#3	-0.0010	0.090	1.329	0.0563	2.821	1.178	0.006	0.0924	27.92
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2149.3	4980.9	40635.	3719.4					
Stddev	4.4	3.4	92.	19.4					
%RSD	20465	06745	22717	52280					
#1	2144.5	4978.1	40538.	3712.8					
#2	2150.0	4984.6	40646.	3704.0					
#3	2153.3	4980.0	40721.	3741.2					

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Sample Name: FA32989-4 Acquired: 4/13/2016 16:32:19 Type: Unk
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	67.84	6.459	2.042	0.109	F 1473.	0.060	0.0488	0.8545
Stddev	0.002	0.26	0.018	0.008	0.001	8.	0.001	0.002	0.035
%RSD	99.98	3791	2752	3944	5072	5551	9489	3332	4038
#1	0.003	68.13	6.466	2.049	0.109	1481.	0.060	0.0490	0.8585
#2	0.000	67.75	6.439	2.043	0.108	1475.	0.060	0.0487	0.8526
#3	0.005	67.64	6.472	2.033	0.108	1465.	0.061	0.0487	0.8525
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	1.001	125.5	8.689	25.49	F 5.183	0.588	15.78	1.274	3.835
Stddev	0.01	5	0.28	1.6	0.039	0.002	0.05	0.007	0.07
%RSD	1.161	3.892	3.238	6.406	7.602</				

Sample Name: CCV Acquired: 4/13/2016 16:37:00 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2533	41.34	1.966	2.091	2.022	40.58	2.021	2.037	2.050
Stddev	.0002	.31	.002	.014	.008	.13	.001	.001	.010
%RSD	.0957	.7419	.0968	.6559	.3832	.3199	.0643	.0419	.4710
#1	.2534	41.64	1.968	2.107	2.029	40.72	2.019	2.036	2.048
#2	.2530	41.03	1.966	2.081	2.014	40.47	2.022	2.038	2.041
#3	.2534	41.37	1.964	2.086	2.024	40.56	2.020	2.038	2.060

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.057	40.01	40.31	41.57	2.038	2.025	40.31	2.002	2.007
Stddev	.005	.23	.23	.30	.004	.001	.22	.001	.008
%RSD	.2492	.5782	.5673	.7312	.2225	.0496	.5456	.0391	.3810
#1	2.061	40.22	40.57	41.76	2.036	2.025	40.55	2.002	1.999
#2	2.058	39.76	40.14	41.22	2.035	2.024	40.12	2.001	2.010
#3	2.051	40.05	40.23	41.74	2.043	2.027	40.27	2.003	2.013

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.970	1.996	2.045	2.064	2.030	2.020	2.018	2.006	1.997
Stddev	.006	.005	.003	.002	.012	.004	.007	.006	.002
%RSD	.3028	.2538	.1371	.0703	.6127	.2139	.3280	.2774	.0751
#1	1.977	2.001	2.048	2.063	2.044	2.018	2.017	2.006	1.995
#2	1.965	1.991	2.043	2.066	2.020	2.018	2.011	2.001	1.998
#3	1.969	1.996	2.044	2.063	2.026	2.025	2.025	2.012	1.998

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/13/2016 16:37:00 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2325.4	4873.5	39848.	3544.8
Stddev	6.5	4.8	57.	28.7
%RSD	.28053	.09777	.14339	.81093
#1	2330.7	4873.0	39868.	3515.4
#2	2327.3	4878.5	39893.	3572.8
#3	2318.1	4869.1	39784.	3546.1

Sample Name: CCB Acquired: 4/13/2016 16:41:11 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	.0073	.0014	.0001	.0001	.0276	.0000	-0.0001	-0.0001
Stddev	.0005	.0013	.0008	.0002	.0001	.0060	.000	.0000	.0002
%RSD	113.7	17.33	54.53	156.1	113.4	21.61	1483.	50.74	284.2
#1	-.0008	.0064	.0009	.0003	.0001	.0333	.0000	-.0001	.0001
#2	-.0004	.0067	.0023	.0002	.0000	.0281	.0000	-.0001	-.0003
#3	.0001	.0087	.0011	-.0001	.0001	.0214	.0000	.0000	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	.0063	-0.0064	.0024	.0000	.0000	.0400	-0.0001	.0003
Stddev	.0001	.0020	.0189	.0035	.0001	.000	.0045	.0001	.0003
%RSD	45.15	31.02	296.7	144.6	374.7	1762.	11.20	95.36	91.09
#1	-.0001	.0085	.0005	.0002	.0001	.0004	.0452	-.0003	.0005
#2	-.0002	.0047	-.0277	.0065	.0000	-.0001	.0376	.0000	.0000
#3	-.0002	.0058	.0081	.0007	.0000	-.0004	.0372	-.0001	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0004	.0017	-0.0004	.0002	.0001	-0.0007	-0.0001	.0001
Stddev	.0010	.0007	.0004	.0003	.0001	.0001	.0005	.0001	.0001
%RSD	324.4	167.2	25.83	78.24	54.74	70.12	75.35	76.10	142.1
#1	.0010	-.0002	.0012	-.0005	.0003	.0002	-.0007	-.0002	.0001
#2	-.0009	.0011	.0020	-.0001	.0002	.0001	-.0002	-.0002	.0000
#3	.0008	.0003	.0020	-.0008	.0001	.0000	-.0012	.0000	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/13/2016 16:41:11 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2698.3	5127.0	41797.	3630.6
Stddev	5.3	4.8	281.	19.6
%RSD	.19731	.09266	.67155	.53961
#1	2702.4	5121.9	41971.	3610.3
#2	2700.3	5131.3	41948.	3649.4
#3	2692.3	5127.9	41473.	3632.0

Sample Name: FA32989-5 Acquired: 4/13/2016 16:45:43 Type: Unk
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	36.05	.4940	.2337	.0038	F 1338.	.0043	.0265	.2289
Stddev	.000	.08	.0011	.0010	.0001	21.	.0000	.0002	.0002
%RSD	1213.	.2178	.2195	.4252	2.002	1.606	1.055	.7361	.1028
#1	.0000	35.98	.4930	.2326	.0037	1316.	.0043	.0266	.2287
#2	-.0002	36.13	.4951	.2342	.0039	1340.	.0043	.0266	.2291
#3	-.0003	36.03	.4938	.2343	.0038	1359.	.0043	.0263	.2289
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6595	66.53	1.686	5.219	F 5.633	.0088	14.03	.0750	2.554
Stddev	.0029	.08	.028	.041	.041	.0001	.06	.0001	.005
%RSD	.4449	.1247	1.631	.7815	.7214	.9098	.4064	.1548	.1831
#1	.6562	66.43	1.672	5.232	5.587	.0089	13.97	.0750	2.550
#2	.6605	66.59	1.667	5.252	5.650	.0088	14.08	.0751	2.553
#3	.6618	66.56	1.717	5.173	5.663	.0088	14.05	.0748	2.559
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0034	.0091	1.530	.0530	F 5.742	.5623	.0028	.1294	F 26.95
Stddev	.0006	.0038	.003	.0001	.047	.0027	.0002	.0003	.23
%RSD	18.98	41.29	.1986	.1377	.8217	4.723	8.713	.2174	.8422
#1	-.0035	.0120	1.528	.0529	5.694	.5592	.0027	.1291	26.69
#2	-.0027	.0048	1.529	.0531	5.743	.5638	.0026	.1297	27.06
#3	-.0040	.0105	1.533	.0530	5.789	.5638	.0030	.1293	27.10
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1988.7	5018.3	4072.8	3853.3					
Stddev	2.7	6.2	206.	14.5					
%RSD	.13487	.12337	.50568	.37591					
#1	1987.7	5011.2	4095.0	3865.2					
#2	1991.8	5021.9	4069.0	3857.5					
#3	1986.7	5021.9	4054.4	3837.1					

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Sample Name: FA32991-1 Acquired: 4/13/2016 16:50:37 Type: Unk
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0010	23.12	.0261	.2137	.0016	F 1048.	.0009	.0131	.1199
Stddev	.0006	.05	.0010	.0004	.0001	.	.0001	.0000	.0011
%RSD	58.54	.2280	3.985	.2076	3.534	.0382	9.504	.2932	.9440
#1	-.0008	23.18	.0271	.2138	.0017	1048.	.0010	.0130	.1186
#2	-.0017	23.09	.0261	.2142	.0017	1047.	.0009	.0131	.1206
#3	-.0005	23.08	.0250	.2133	.0016	1048.	.0009	.0131	.1205
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3876	129.7	2.024	16.33	.8745	.0112	8.482	.0584	.3905
Stddev	.0013	.3	.011	.05	.0027	.0001	.016	.0001	.0007
%RSD	.3474	.1947	.5462	.3043	.3074	.8401	.1845	.2002	.1739
#1	.3862	130.0	2.037	16.39	.8716	.0113	8.494	.0584	.3908
#2	.3879	129.5	2.019	16.31	.8769	.0111	8.464	.0583	.3897
#3	.3888	129.5	2.016	16.30	.8751	.0111	8.486	.0585	.3910
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0008	.0053	2.221	.0317	F 4.558	.2704	.0021	.0943	1.735
Stddev	.0004	.0019	.005	.0004	.048	.0010	.0007	.0010	.003
%RSD	42.05	34.94	.2058	1.397	1.041	.3825	32.04	1.076	.1543
#1	-.0011	.0035	2.222	.0316	4.601	.2693	.0024	.0932	1.738
#2	-.0004	.0053	2.216	.0321	4.507	.2712	.0014	.0946	1.734
#3	-.0010	.0072	2.225	.0312	4.567	.2709	.0027	.0951	1.733
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2087.3	4890.6	3989.0	3720.3					
Stddev	2.6	3.5	57.	8.1					
%RSD	.12685	.07098	.14222	.21740					
#1	2090.2	4887.3	3994.3	3727.1					
#2	2085.1	4890.2	3983.0	3722.4					
#3	2086.6	4894.2	3989.6	3711.3					

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7.2
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Sample Name: FA32991-2 Acquired: 4/13/2016 16:55:15 Type: Unk
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-.0031	35.02	.0976	.9226	.0026	F 1439.	.0124	.0557
Stddev	.0006	.14	.0011	.0012	.0001	10.	.0008	.0001
%RSD	19.85	.3977	1.134	.1273	2.967	6.900	6.134	.2178
#1	-.0024	35.02	.0985	.9219	.0027	1428.	.0121	.0556
#2	-.0033	35.15	.0964	.9240	.0026	1442.	.0118	.0556
#3	-.0035	34.87	.0980	.9219	.0027	1447.	.0132	.0558
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.5417	1.064	F 656.2	4.048	20.36	F 4.531	.0473	17.06
Stddev	.0016	.004	5.6	.030	.07	.025	.0003	.02
%RSD	.3031	.3314	.8498	.7318	.3211	.5616	.5557	.1394
#1	.5399	1.068	660.5	4.014	20.30	4.514	.0476	17.04
#2	.5422	1.063	658.3	4.060	20.43	4.560	.0471	17.09
#3	.5431	1.062	649.9	4.069	20.36	4.518	.0473	17.06
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.3507	F 78.95	.0154	F -.0126	2.569	.0685	F 6.345	.5020
Stddev	.0003	.15	.0008	.0024	.009	.0007	.024	.0005
%RSD	.0826	.1891	5.419	19.07	.3352	.9878	.3709	.0982
#1	.3509	79.06	.0145	-.0113	2.565	.0690	6.346	.5022
#2	.3507	79.00	.0162	-.0112	2.564	.0677	6.368	.5024
#3	.3504	78.78	.0155	-.0154	2.579	.0687	6.321	.5014
Elem	Tl1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	.0112	.1652	F 4.328					
Stddev	.0013	.0003	.009					
%RSD	11.67	.1561	.2094					
#1	.0115	.1650	4.335					
#2	.0098	.1655	4.330					
#3	.0123	.1650	4.318					

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Sample Name: FA32991-2 Acquired: 4/13/2016 16:55:15 Type: Unk
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2108.2	4668.3	3902.2	3721.7
Stddev	.7	8.3	125.	11.1
%RSD	.03320	.17697	.31935	.29929
#1	2108.3	4675.0	39130.	3717.0
#2	2107.4	4671.0	38886.	3713.7
#3	2108.8	4659.1	39052.	3734.4

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Sample Name: FA32991-3 Acquired: 4/13/2016 17:00:07 Type: Unk
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.032	36.15	.0992	.4945	.0025	F 1536.	.0111	.0525
Stddev	.0004	.05	.0016	.0020	.0001	7.	.0001	.0005
%RSD	12.46	.1350	1.651	.3955	3.003	4.278	1.327	.9351
#1	-.0029	36.14	.0974	.4967	.0026	1534.	.0110	.0523
#2	-.0030	36.20	.1006	.4939	.0025	1543.	.0111	.0522
#3	-.0036	36.10	.0995	.4929	.0025	1530.	.0113	.0531
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.5512	1.202	F 711.8	3.835	31.44	F 5.029	.0914	15.21
Stddev	.0006	.004	4.6	.018	.05	.012	.0005	.05
%RSD	.1042	.3645	.6488	.4705	.1441	.2374	.5814	.3359
#1	.5514	1.203	711.1	3.822	31.49	5.039	.0909	15.20
#2	.5516	1.206	716.8	3.856	31.40	5.016	.0916	15.26
#3	.5505	1.197	707.6	3.828	31.43	5.033	.0919	15.16
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.3177	F 29.75	.0075	F -.0109	2.557	.0822	F 6.297	.4204
Stddev	.0008	.09	.0010	.0033	.007	.0011	.088	.0020
%RSD	.2622	.3048	13.25	30.46	.2888	1.340	1.397	.4730
#1	.3169	29.68	.0082	-.0075	2.553	.0814	6.234	.4208
#2	.3186	29.71	.0079	-.0111	2.565	.0819	6.397	.4222
#3	.3177	29.85	.0064	-.0141	2.552	.0835	6.260	.4183
Elem	Tl1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	.0146	.1504	3.315					
Stddev	.0022	.0003	.007					
%RSD	15.09	.2271	.2075					
#1	.0168	.1505	3.307					
#2	.0124	.1507	3.319					
#3	.0146	.1500	3.319					

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Sample Name: FA32991-3 Acquired: 4/13/2016 17:00:07 Type: Unk
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2089.8	4692.7	39000.	3714.4
Stddev	4.9	14.2	89.	26.0
%RSD	.23591	.30172	.22802	.70121
#1	2095.3	4705.2	39042.	3734.9
#2	2088.6	4677.3	38897.	3685.1
#3	2085.7	4695.7	39060.	3723.3

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Sample Name: FA32991-4 Acquired: 4/13/2016 17:05:00 Type: Unk
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.068	53.14	.1429	.7457	.0034	F 993.0	.0534	.1126
Stddev	.0004	.09	.0029	.0034	.0001	1.0	.0011	.0004
%RSD	6.048	.1785	2.025	.4604	1.956	1.032	2.070	.3607
#1	-.0064	53.04	.1400	.7421	.0033	993.3	.0545	.1123
#2	-.0072	53.14	.1428	.7460	.0034	993.9	.0535	.1124
#3	-.0067	53.23	.1458	.7489	.0035	991.9	.0523	.1130
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.9096	2.327	F 1471.	5.606	32.19	F 11.51	.1637	18.19
Stddev	.0040	.017	4.	.028	.06	.02	.0004	.03
%RSD	.4393	.7452	.3055	.5036	.1778	.1438	.2351	.1900
#1	.9067	2.307	1468.	5.574	32.13	11.49	.1634	18.17
#2	.9079	2.336	1469.	5.627	32.24	11.50	.1641	18.17
#3	.9141	2.337	1476.	5.617	32.21	11.52	.1635	18.23
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.7577	F 4.525	.0258	F -.0409	2.956	.1190	F 5.090	.3767
Stddev	.0005	.004	.0008	.0026	.005	.0008	.012	.0015
%RSD	.0710	.1005	3.120	6.276	.1644	.6396	.2349	.4018
#1	.7575	4.526	.0255	-.0425	2.961	.1181	5.086	.3749
#2	.7573	4.520	.0251	-.0380	2.956	.1195	5.104	.3773
#3	.7583	4.529	.0267	-.0423	2.951	.1194	5.081	.3777
Elem	Tl1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	.0270	.2307	F 4.496					
Stddev	.0015	.0006	.010					
%RSD	5.691	.2455	.2151					
#1	.0261	.2305	4.487					
#2	.0288	.2303	4.496					
#3	.0261	.2314	4.506					

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Sample Name: FA32991-4 Acquired: 4/13/2016 17:05:00 Type: Unk
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2232.1	4810.1	40777.	3832.7
Stddev	4.2	9.2	198.	14.6
%RSD	.18996	.19160	.48483	.38203
#1	2227.3	4803.4	40993.	3845.9
#2	2233.8	4806.3	40732.	3835.2
#3	2235.3	4820.6	40605.	3817.0

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Sample Name: FA32991-9 Acquired: 4/13/2016 17:09:50 Type: Unk
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :

Table with 11 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 11 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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Sample Name: FA32898-5A Acquired: 4/13/2016 17:14:33 Type: Unk
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :

Table with 11 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 11 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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Sample Name: CRIA Acquired: 4/13/2016 17:18:54 Type: Unk
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :

Table with 11 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 11 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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Sample Name: ICESA Acquired: 4/13/2016 17:23:22 Type: Unk
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :

Table with 11 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 11 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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7.2

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Sample Name: ICSA Acquired: 4/13/2016 17:23:22 Type: Unk
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2048.7	4493.6	35723.	3218.4
Stddev	1.7	1.1	17.	20.7
%RSD	.08135	.02459	.04834	.64238
#1	2048.8	4494.4	35724.	3227.4
#2	2050.3	4492.4	35705.	3233.1
#3	2047.0	4494.2	35740.	3194.8

Sample Name: ICSAB Acquired: 4/13/2016 17:28:02 Type: Unk
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F 1.035	F 523.5	1.045	5.431	5.009	484.0	9205	4646	4997
Stddev	.002	4.7	.001	.0006	.0010	2.6	.0014	.0000	.0023
%RSD	.1748	.8944	.0949	.1164	.1970	.5343	.1481	.0102	.4585
#1	1.033	521.5	1.046	5.434	4.998	481.9	9189	4646	5022
#2	1.037	528.9	1.044	5.435	5.013	486.9	9214	4646	4977
#3	1.035	520.3	1.045	5.424	5.017	483.2	9211	4647	4991
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5427	185.9	0.170	F 545.0	4.870	9351	2675	9076	9338
Stddev	.0030	.8	.0231	3.8	.0014	.0006	.0046	.0008	.0003
%RSD	.5454	.4349	135.8	.6908	.2856	.0595	1.734	.0862	.0268
#1	.5395	184.9	.0267	540.7	.4875	9345	2709	9067	9336
#2	.5454	186.4	-.0094	547.9	.4854	9355	2694	9080	9340
#3	.5431	186.2	.0338	546.3	.4880	9354	2622	9081	9336
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	9910	9901	1204	9445	1.016	9845	9397	4583	9015
Stddev	.0013	.0032	.0013	.0009	.002	.0017	.0036	.0005	.0022
%RSD	.1355	.3240	1.065	.0990	.2171	.1694	.3847	.1118	.2452
#1	.9895	.9892	.1192	.9454	1.013	9828	9438	4579	8990
#2	.9918	.9874	.1218	.9435	1.017	9847	9369	4582	9030
#3	.9919	.9936	.1203	.9445	1.017	9861	9385	4589	9026
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2026.9	4502.2	35998.	3228.4					
Stddev	2.2	7.3	55.	26.6					
%RSD	.10736	.16143	.15167	.82355					
#1	2025.6	4503.4	35953.	3259.1					
#2	2025.8	4494.3	36059.	3213.4					
#3	2029.5	4508.7	35983.	3212.8					

Sample Name: CCV Acquired: 4/13/2016 17:32:31 Type: QC
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2522	41.64	1.939	2.114	2.010	40.05	1.996	2.022	2.055
Stddev	.0009	.05	.004	.001	.002	.12	.002	.002	.006
%RSD	.3680	.1165	.2299	.0502	.1030	.3095	.1114	.1000	.3069
#1	.2529	41.60	1.935	2.115	2.008	40.04	1.995	2.020	2.058
#2	.2512	41.69	1.944	2.114	2.010	39.94	1.994	2.022	2.047
#3	.2526	41.63	1.939	2.113	2.012	40.18	1.998	2.024	2.058

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.056	39.95	41.22	41.84	2.041	2.011	41.02	1.971	1.992
Stddev	.004	.05	.03	.11	.009	.002	.03	.003	.002
%RSD	.2097	.1219	.0709	.2637	.4522	.1203	.0670	.1409	.1034
#1	2.051	39.92	41.24	41.87	2.045	2.008	41.01	1.970	1.992
#2	2.057	40.01	41.23	41.72	2.030	2.012	41.05	1.969	1.989
#3	2.059	39.93	41.19	41.93	2.047	2.013	40.99	1.974	1.993

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.942	1.966	2.017	2.053	2.011	2.012	2.001	1.992	1.964
Stddev	.006	.003	.005	.005	.005	.005	.004	.006	.006
%RSD	.3157	.1412	.2580	.2394	.2613	.2613	.2032	.3247	.2938
#1	1.935	1.965	2.012	2.050	2.012	2.015	2.001	1.997	1.966
#2	1.945	1.964	2.022	2.049	2.017	2.006	1.997	1.984	1.958
#3	1.947	1.969	2.016	2.058	2.006	2.016	2.006	1.993	1.969

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Sample Name: CCV Acquired: 4/13/2016 17:32:31 Type: QC
Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2312.9	4879.1	39539.	3397.7
Stddev	2.6	8.0	90.	6.7
%RSD	.11338	.16453	.22762	.19635
#1	2315.7	4888.3	39459.	3390.6
#2	2312.5	4875.6	39636.	3398.6
#3	2310.5	4873.5	39523.	3403.9

Sample Name: CCB Acquired: 4/13/2016 17:36:42 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	0.030	0.002	-0.004	0.001	0.059	0.000	0.000	-0.001
Stddev	0.003	0.009	0.002	0.004	0.000	0.016	0.000	0.000	0.002
%RSD	83.65	29.14	88.05	100.9	22.28	26.48	576.3	440.2	135.6
#1	-0.006	0.040	0.004	0.001	0.001	0.075	0.000	0.001	-0.002
#2	-0.001	0.028	0.000	-0.008	0.001	0.044	0.000	0.000	-0.002
#3	-0.003	0.022	0.003	-0.006	0.001	0.057	0.000	-0.002	0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	0.061	0.040	0.077	-0.001	0.002	0.514	-0.002	-0.006
Stddev	0.002	0.010	0.0215	0.147	0.000	0.003	0.084	0.001	0.003
%RSD	74.07	16.91	530.0	192.0	41.54	123.3	16.27	35.92	45.19
#1	-0.002	0.051	-0.152	-0.065	-0.001	0.005	0.599	-0.001	-0.009
#2	-0.005	0.071	0.272	0.228	-0.001	0.003	0.511	-0.002	-0.007
#3	-0.001	0.061	0.002	0.067	-0.001	-0.001	0.432	-0.001	-0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.002	-0.001	0.016	-0.002	0.001	-0.001	-0.008	0.000	-0.001
Stddev	0.010	0.013	0.002	0.001	0.001	0.001	0.009	0.001	0.000
%RSD	535.8	896.5	14.43	22.20	62.87	49.89	120.4	4208.	20.38
#1	-0.001	0.009	0.016	-0.002	0.001	-0.001	-0.001	0.001	-0.001
#2	0.012	0.003	0.019	-0.003	0.002	-0.002	-0.018	-0.001	0.000
#3	-0.006	-0.016	0.014	-0.002	0.000	-0.001	-0.004	0.001	-0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/13/2016 17:36:42 Type: QC
 Method: 60102007_042011(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2679.5	5121.6	41697.	3467.4
Stddev	1.9	4.5	153.	9.1
%RSD	.07006	.08872	.36600	.26268
#1	2681.6	5121.8	41592.	3474.1
#2	2677.9	5126.0	41626.	3470.9
#3	2679.1	5116.9	41872.	3457.0

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000009	0.000000	No
Al 396.152 {85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000092	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 {74}	<input checked="" type="checkbox"/>	1	Fe	0.000005	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000096	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000000	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000012	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000142	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 {44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000010	0.000000	No
Na 589.592 {57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000041	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000044	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000026	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	-0.000023	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000035	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	0.000006	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000003	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	4/13/2016 10:28:37	4/13/2016 10:28:37	Linear	1/Conc	-0.000086	0.580076	0.000000	1.000000
Al 396.152 { 85}	4/13/2016 10:28:37	4/13/2016 10:28:37	Linear	1/Conc	0.002749	0.222993	0.000000	1.000000
As 189.042 {478}	4/13/2016 10:28:37	4/13/2016 10:28:37	Linear	1/Conc	-0.000747	0.171952	0.000000	1.000000
Ba 455.403 { 74}	4/13/2016 10:28:37	4/13/2016 10:28:37	Linear	1/Conc	0.005381	8.519905	0.000000	1.000000
Be 313.042 {108}	4/13/2016 10:28:37	4/13/2016 10:28:37	Linear	1/Conc	0.002145	11.281090	0.000000	1.000000
Ca 317.933 {106}	4/13/2016 10:28:37	4/13/2016 10:28:37	Linear	1/Conc	0.002902	0.242201	0.000000	1.000000
Cd 226.502 {449}	4/13/2016 10:28:37	4/13/2016 10:28:37	Linear	1/Conc	-0.000894	4.708014	0.000000	1.000000
Co 228.616 {447}	4/13/2016 10:28:37	4/13/2016 10:28:37	Linear	1/Conc	-0.000308	2.572915	0.000000	1.000000
Cr 267.716 {126}	4/13/2016 10:28:37	4/13/2016 10:28:37	Linear	1/Conc	-0.000003	0.528603	0.000000	1.000000
Cu 324.754 {104}	4/13/2016 10:28:37	4/13/2016 10:28:37	Linear	1/Conc	0.006172	0.888563	0.000000	1.000000
Fe 259.940 {130}	4/13/2016 10:28:37	4/13/2016 10:28:37	Linear	1/Conc	0.002856	0.160060	0.000000	1.000000
In 230.606 {446}*	4/13/2016 10:11:14	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	4/13/2016 10:28:37	4/13/2016 10:28:37	Linear	1/Conc	-0.001685	0.102119	0.000000	1.000000
Mg 279.079 {121}	4/13/2016 10:28:37	4/13/2016 10:28:37	Linear	1/Conc	-0.000599	0.024842	0.000000	1.000000
Mn 257.610 {131}	4/13/2016 10:28:37	4/13/2016 10:28:37	Linear	1/Conc	0.001073	2.834278	0.000000	1.000000
Mo 202.030 {467}	4/13/2016 10:28:37	4/13/2016 10:28:37	Linear	1/Conc	0.001742	1.041861	0.000000	1.000000
Na 589.592 { 57}	4/13/2016 10:28:37	4/13/2016 10:28:37	Linear	1/Conc	-0.008060	0.429021	0.000000	1.000000
Ni 231.604 {445}	4/13/2016 10:28:37	4/13/2016 10:28:37	Linear	1/Conc	-0.000210	1.562212	0.000000	1.000000
Pb 220.353 {453}	4/13/2016 10:28:37	4/13/2016 10:28:37	Linear	1/Conc	0.000352	0.822054	0.000000	1.000000
Sb 206.833 {463}	4/13/2016 10:28:37	4/13/2016 10:28:37	Linear	1/Conc	0.000846	0.245496	0.000000	1.000000
Se 196.090 {472}	4/13/2016 10:28:37	4/13/2016 10:28:37	Linear	1/Conc	-0.000182	0.118954	0.000000	1.000000
Si 212.412 {459}	4/13/2016 10:28:37	4/13/2016 10:28:37	Linear	1/Conc	0.004075	0.380462	0.000000	1.000000
Sn 189.989 {477}	4/13/2016 10:28:37	4/13/2016 10:28:37	Linear	1/Conc	0.000574	0.367573	0.000000	1.000000
Sr 407.771 { 83}	4/13/2016 10:28:37	4/13/2016 10:28:37	Linear	1/Conc	0.002612	16.395932	0.000000	1.000000
Ti 334.941 {101}	4/13/2016 10:28:37	4/13/2016 10:28:37	Linear	1/Conc	0.002514	2.034494	0.000000	1.000000
Tl 190.856 {477}	4/13/2016 10:28:37	4/13/2016 10:28:37	Linear	1/Conc	-0.001381	0.270841	0.000000	1.000000
V 292.402 {115}	4/13/2016 10:28:37	4/13/2016 10:28:37	Linear	1/Conc	-0.000509	0.707999	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	4/13/2016 10:28:37	4/13/2016 10:28:37	Linear	1/Conc	0.001047	2.308451	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999982	0.000033	0.000364	0.001214	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999924	0.004443	0.008726	0.029087	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999896	0.000199	0.000847	0.002824	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999949	0.006926	0.000289	0.000963	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999975	0.006373	0.000070	0.000234	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999850	0.006754	0.003743	0.012477	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999944	0.004038	0.000049	0.000165	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999958	0.001903	0.000101	0.000335	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999917	0.000547	0.000249	0.000829	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999980	0.000456	0.000221	0.000736	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999667	0.006659	0.002890	0.009632	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999973	0.001218	0.032615	0.108717	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999911	0.000532	0.023902	0.079674	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999730	0.005311	0.000041	0.000137	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999978	0.000560	0.000142	0.000473	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999952	0.006736	0.008190	0.027299	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999945	0.001315	0.000169	0.000564	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999882	0.001022	0.000609	0.002028	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999919	0.000252	0.000957	0.003190	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999927	0.000116	0.001770	0.005900	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.999712	0.000736	0.000441	0.001471	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999927	0.000358	0.000337	0.001122	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999984	0.007498	0.000096	0.000321	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999904	0.002266	0.000098	0.000328	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999961	0.000194	0.001057	0.003524	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999976	0.000388	0.000235	0.000785	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999942	0.001999	0.000075	0.000249	OK	1.000000	0.000000	1	0

Accutest Laboratories SE Metals Digestion Log Water

POD
(M4/MS)

Method of digestion(circle one): SW846-3010A / SW846-3005A / EPA 200.7 / SM3030C

MP #: 30097
 Prep Date/Time (mm/dd/yy 24:00): 3/11/16 8:42
 HotBlock I.D. 5
 Thermometer I.D. 204
 Correction Factor (°C) -1
 Temperature Observed/Corrected (°C) 96, 95
 Added^B: HNO₃
 Lot# 1115080

Volume
 Spk. Sol.^A Used(ml) Pipette #
ACC 920 | 0.50 | 10
ACC 894 | 0.25 | 10
MET 5330 | 0.25 | 10
 Dig. Tube Lot#: J2202104-261
HCL
4115050

Sample #	Initial Volume(ml)	pH<2	Final Volume(ml)	Comments
Method Blank(MB)	50.0	N/A	50.0	
Spike Blank(SB)		N/A		
Matrix Spike(MS)		✓		
Matrix Spike Dup(MSD)		✓		
Duplicate(DUP)		✓		
1 QC ^C FA32009-1 ^{D7}		✓		
2 ↓ B		✓		
3 FA32030-12F		✓		
4 ↓ 13F		✓		
5 FA32059-3 ↓		✓		
6 FA32064-1 3		✓		
7 FA32067-2F 7		✓		
8 ↓ 3F 7		✓		
9 FA32073-1 17		✓		
10 ↓ 3		✓		
11 ↓ 5		✓		
12 ↓ 8		✓		
13 ↓ 12 ↓		✓		
14 FA32072-23 1		✓		
15 FA32077-23 1		✓		
16 FA32084-14		✓		
17 FA31930-5 ↓		✓		
18 FA31998-10 ↓		✓		
19 FA32054-6 6		✓		
20 FA32106-13 1		✓		
21 ^E DI H ₂ O CHECK NA	50.0	NA	50.0	
22 ^E				
23 ^E				3/11/16
24 ^E	DB			

Analyst: *Dan Ben*
 QC Review: *Ann*

Date: 3/11/16
 Date: 3-11-16

- A Used for SB, MS, MSD
- B For reagent volumes used consult SOP MET 103, current revision
- C Parent sample used to prepare MS, MSD, DUP
- D Bottle Number
- E Additional matrix QC

icpwaterdigestionlog091113.xls

Rev 01/20/10 DM

7.3.1
7

Sg
dry sieve

MP #: *23 30238

Method of Digestion: SW846-3050B

~~DOD (MS)~~

Prep Date/Time (mm/dd/yy 24:00): 4/13/16 8:31 Spk. Sol. ^A Volume Used(ml) Pipette #
 HotBlock I.D. 6974 CEC W3279 ACC938 1.00 10
 Thermometer I.D. 213 ACC924 0.50 10
 Correction Factor (°C) -1 MET5377 0.50 10
 Temperature Observed/Corrected (°C) 91 / 90 Filter Lot#: 150928009
 Balance I.D. ADVPT03 Dig. Tube Lot# *J220204-26 + 1504103
 Added ^B: H₂O₂ HNO₃ HCL PTFE Boiling Chips
 Lot# 157487 1115100 4115080 R263-5K012

Sample #	Wt., g	Final Volume(ml)	Comments
Method Blank(MB)	*50.500	100.0	
Spike Blank(SB)	5.00		
Matrix Spike(MS)	5.24		
Matrix Spike Dup(MSD)	5.25		
Duplicate(DUP)	5.02		
1 QC ^C FA31930-1 ^D	5.36		
2 D2= FA31930-1	5.19		
3	5.06		
4	5.22		
5	5.11		
6	5.06		
7	5.38		
8	5.31		
9	5.19		
10	5.04		
11	5.30		
12	5.18		
13	5.35		
14			
15			
16			
17			
18			
19			
20			
21 ^E			
22 ^E			
23 ^E			
24 ^E			

Analyst: DB

Date: 4/13/16

QC Review: [Signature]

Date: 4.13.16

- A Used for SB, MS, MSD
- B For reagent volumes used consult SOP MET 104, current revision
- C Parent sample used to prepare MS, MSD, DUP
- D Bottle Number
- E Additional Matrix QC

icpsoidigestionlog012010.xls

Rev 01/20/10 DM

*DB 4/13/16

7.3.2
7

SGS ACCUTEST IS PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.



*e-Hardcopy 2.0
Automated Report*

Technical Report for

Kemron Environmental Services, Inc

Ft Ord; CA

07202.2001

SGS Accutest Job Number: FA31931

Sampling Date: 02/25/16

Report to:

Kemron Environmental Services, Inc
4522 Joe Lloyd Way
Monterey, CA 93944
emiddleditch@gilbaneco.com

ATTN: Eric Middleditch

Total number of pages in report: 192



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Sue Bell 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001)
DoD ELAP (L-A-B L2229), CA (2937), TX (T104704404), PA (68-03573), VA (460177),
AK, AR, GA, KY, MA, NV, OK, UT, WA

This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.

Test results relate only to samples analyzed.

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Sample Summary

Kemron Environmental Services, Inc

Job No: FA31931

Ft Ord; CA

Project No: 07202.2001

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
FA31931-1	02/25/16	09:17	RPTR	03/03/16	SO Soil	02-06SC0000
FA31931-4	02/25/16	09:49	RPTR	03/03/16	SO Soil	02-08SC0000
FA31931-7	02/25/16	10:28	RPTR	03/03/16	SO Soil	02-07SC0000
FA31931-10	02/25/16	12:34	RPTR	03/03/16	SO Soil	02-26SC0000
FA31931-13	02/25/16	13:15	RPTR	03/03/16	SO Soil	02-27SC0000
FA31931-16	02/25/16	09:05	RPTR	03/03/16	SO Soil	02-34SC0000
FA31931-20	02/25/16	09:55	RPTR	03/03/16	SO Soil	02-68SC0000
FA31931-23	02/25/16	10:42	RPTR	03/03/16	SO Soil	02-67SC0000
FA31931-26	02/25/16	11:35	RPTR	03/03/16	SO Soil	02-36SC0000
FA31931-29	02/25/16	12:18	RPTR	03/03/16	SO Soil	02-37SC0000
FA31931-32	02/25/16	13:30	RPTR	03/03/16	AQ Equipment Blank	02-ER06SC

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE



Client: Kemron Environmental Services, Inc

Job No: FA31931

Site: Ft Ord; CA

Report Date: 4/8/2016 10:09:25 AM

11 Sample(s) were collected on 02/25/2016 and were received at SGS Accutest Southeast (SASE) on 03/03/2016 properly preserved, at 4 Deg. C and intact. These Samples received an SASE job number of FA31931. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix: AQ

Batch ID: MP30076

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA31919-1DUP, FA31919-1MS, FA31919-1MSD, FA31919-1PS, FA31919-1SDL were used as the QC samples for metals.

Matrix: SO

Batch ID: MP30214

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA31672-18DUP, FA31672-18MS, FA31672-18MSD, FA31672-18SDL, FA31672-18PS were used as the QC samples for metals.

MP30214-PS1 for Lead: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

Matrix: SO

Batch ID: MP30219

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA31931-7DUP, FA31931-7MS, FA31931-7MSD, FA31931-7SDL, FA31931-7PS were used as the QC samples for metals.

MP30219-PS1 for Lead: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Date: April 7, 2016

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA31931
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 02/25/16



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA31931-1	02-06SC0000					
Lead		72.5	1.9	0.38	mg/kg	SW846 6010C
FA31931-4	02-08SC0000					
Lead		16.7	1.9	0.38	mg/kg	SW846 6010C
FA31931-7	02-07SC0000					
Lead		8.0	1.9	0.38	mg/kg	SW846 6010C
FA31931-10	02-26SC0000					
Lead		12.2	2.0	0.39	mg/kg	SW846 6010C
FA31931-13	02-27SC0000					
Lead		28.9	1.9	0.38	mg/kg	SW846 6010C
FA31931-16	02-34SC0000					
Lead		214	1.9	0.38	mg/kg	SW846 6010C
FA31931-20	02-68SC0000					
Lead		16.6	1.9	0.38	mg/kg	SW846 6010C
FA31931-23	02-67SC0000					
Lead		5.7	1.9	0.39	mg/kg	SW846 6010C
FA31931-26	02-36SC0000					
Lead		14.9	1.9	0.38	mg/kg	SW846 6010C
FA31931-29	02-37SC0000					
Lead		47.5	1.9	0.38	mg/kg	SW846 6010C
FA31931-32	02-ER06SC					

No hits reported in this sample.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: 02-06SC0000	Date Sampled: 02/25/16
Lab Sample ID: FA31931-1	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.1
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	72.5	1.9	0.38	0.094	mg/kg	5	04/06/16	04/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13079

(2) Prep QC Batch: MP30214

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-08SC0000	Date Sampled: 02/25/16
Lab Sample ID: FA31931-4	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.2
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	16.7	1.9	0.38	0.095	mg/kg	5	04/06/16	04/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13079

(2) Prep QC Batch: MP30214

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-07SC0000	Date Sampled: 02/25/16
Lab Sample ID: FA31931-7	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.3
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	8.0	1.9	0.38	0.095	mg/kg	5	04/07/16	04/07/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13082

(2) Prep QC Batch: MP30219

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-26SC0000	Date Sampled: 02/25/16
Lab Sample ID: FA31931-10	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.4
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	12.2	2.0	0.39	0.098	mg/kg	5	04/07/16	04/07/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13082

(2) Prep QC Batch: MP30219

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-27SC0000	
Lab Sample ID: FA31931-13	Date Sampled: 02/25/16
Matrix: SO - Soil	Date Received: 03/03/16
	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.5
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	28.9	1.9	0.38	0.095	mg/kg	5	04/07/16	04/07/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13082

(2) Prep QC Batch: MP30219

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-34SC0000	
Lab Sample ID: FA31931-16	Date Sampled: 02/25/16
Matrix: SO - Soil	Date Received: 03/03/16
	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.6
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	214	1.9	0.38	0.094	mg/kg	5	04/07/16	04/07/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13082

(2) Prep QC Batch: MP30219

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-68SC0000	Date Sampled: 02/25/16
Lab Sample ID: FA31931-20	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.7
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	16.6	1.9	0.38	0.096	mg/kg	5	04/07/16	04/07/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13082

(2) Prep QC Batch: MP30219

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-67SC0000	
Lab Sample ID: FA31931-23	Date Sampled: 02/25/16
Matrix: SO - Soil	Date Received: 03/03/16
	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.8
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	5.7	1.9	0.39	0.097	mg/kg	5	04/07/16	04/07/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13082

(2) Prep QC Batch: MP30219

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-36SC0000	
Lab Sample ID: FA31931-26	Date Sampled: 02/25/16
Matrix: SO - Soil	Date Received: 03/03/16
	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.9
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	14.9	1.9	0.38	0.095	mg/kg	5	04/07/16	04/07/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13082

(2) Prep QC Batch: MP30219

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-37SC0000	Date Sampled: 02/25/16
Lab Sample ID: FA31931-29	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.10
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	47.5	1.9	0.38	0.096	mg/kg	5	04/07/16	04/07/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13082

(2) Prep QC Batch: MP30219

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-ER06SC	Date Sampled: 02/25/16
Lab Sample ID: FA31931-32	Date Received: 03/03/16
Matrix: AQ - Equipment Blank	Percent Solids: n/a
Project: Ft Ord; CA	

4.11
4

Total Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.0 U	5.0	2.0	1.1	ug/l	1	03/08/16	03/08/16 LM	SW846 6010C	¹ SW846 3010A ²

(1) Instrument QC Batch: MA13017

(2) Prep QC Batch: MP30076

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Misc. Forms**5****Custody Documents and Other Forms**

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # RP-022516-01



FA31931

Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method	SW8330B - Explosives	SW6010C - Lead	SW8330B - Explosives by ISM	SW6010C - Lead by ISM	Code	Matrix
							SO	SOIL
							Code	Container/Preservative
							2	2" 1L amber, 4 degrees C
							1	1" 1.0-1.5 kilogram bag
							13	1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016													
Sample ID	Matrix	Date	Time	Samp Init.	2	13	1	1	Location ID	Sample Type	Depth (ft bgs)		
											Top	Bottom	
1	SD	2/25/16	0917	RP				X	02-06	N1	0.0	0.5	
2			0925						02-06	N1	1.0	1.5	HOLD
3			0932						02-06	N1	2.0	2.5	HOLD
4			0949						02-08	N1	0.0	0.5	
5			1000						02-08	N1	1.0	1.5	HOLD
6			1009						02-08	N1	2.0	2.5	HOLD
7			1028						02-07	N1	0.0	0.5	
8			1040						02-07	N1	1.0	1.5	HOLD
9			1053						02-07	N1	2.0	2.5	HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	3/1/16	1700	<i>[Signature]</i>	3/3/16	9:45	
FX						Received by Laboratory: (Signature, Date, Time) & condition
						② 4.0 4.0

ENV.COC.Record3 July 06, 2015

5.1
5

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # RP-022516-02



FA31931

Project Name: Fort Ord & DVHZ LGH 5 D Q J H \$ V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - \$ 5 \$	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW8330B - Explosives SW6010C - Lead SW8330B - Explosives by ISM SW6010C - Lead by ISM	Code Matrix
			SO SOIL WQ WATER QUALITY CONTROL MATRIX
			Code Container/Preservative
			2 2" 1L amber, 4 degrees C
			1 1" 1.0-1.5 kilogram bag
			13 1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016									
Sample ID	Matrix	Date	Time	Samp Init.			Location ID	Sample Type	Depth (ft bgs) Top - Bottom
1 02-26SC000D	SO	2/25/16	1234	RP			02-26	NI	0.0 0.5
2 02-26SC0001			1246				02-26		1.0 1.5 HOLD
3 02-26SC0002			1256				02-26		2.0 2.5 HOLD
4 02-27SC000D			1315				02-27		0.0 0.5
5 02-27SC0001			1326				02-27		1.0 1.5 HOLD
6 02-27SC0002			1336	↓			02-27		2.0 2.5 HOLD
7 02-34SC0000			0905	TR			02-34		0.0 0.5
8 02-34SC0001			0920				02-34		0.0 1.5 HOLD
9 02-34SC0002	✓	↓	0945	↓			02-34	✓	2.0 2.5 HOLD

Retinquished by: (Signature) <i>[Signature]</i>	Date 3/1/16	Time 1700	Received by: (Signature) <i>[Signature]</i>	Date 3/3/16	Time 9:45	Shipping Date / Carrier / Airbill Number
FX						Received by Laboratory: (Signature, Date, Time) & condition

ENV COC_Record
July 06, 2015

5.1
5

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # *RP-022516-03*
FA31931



Project Name: Fort Ord	§ D V H Z L G H S D Q J H S V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001		Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code:	§ 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW8830B - Explosives SW8610C - Lead SW8830B - Explosives by ISM SW8610C - Lead by ISM	Code	Matrix
			SO	SOIL
			WQ	WATER QUALITY CONTROL MATRIX
			Code	Container/Preservative
			2	2" 1L amber, 4 degrees C
			1	1" 1.0-1.5 kilogram bag
			13	1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016

Sample ID	Matrix	Date	Time	Samp Init.	Location ID	Sample Type	Depth (ft bgs) Top - Bottom	
① 02-34 SC0002Q	SO	2/25/16	0945	TR	02-34	FD	2.0 2.5	HOLD
② 02-68 SC0000			0955		02-68	NI	0.0 0.5	
③ 02-68 SC0001			1005		02-68		1.0 1.5	HOLD
④ 02-68 SC0002			1025		02-68		2.0 2.5	HOLD
⑤ 02-67 SC0000			1042		02-67		0.0 0.5	
⑥ 02-67 SC0001			1055		02-67		1.0 1.5	HOLD
⑦ 02-67 SC0002			1117		02-67		2.0 2.5	HOLD
⑧ 02-36 SC0000			1135		02-36		0.0 0.5	
⑨ 02-36 SC0001			1145		02-36		1.0 1.5	HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	3/1/16	1750	<i>[Signature]</i>	3/3/16	9:45	
<i>[Signature]</i>						Received by Laboratory: (Signature, Date, Time) & condition

ENV COC_Record 1
July 06, 2015

5.1
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FA31931: Chain of Custody
Page 3 of 8

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC #

RP-022516-04

FA31931



Project Name: Fort Ord	Project Number: 07202.2001	WBS Code: - - § 5 §	Laboratory: Accutest Laboratories, Orlando, FL
Point of contact: Sue Bell 813-741-3338 sueb@accutest.com		Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811	

Comments:	Equipment:	Analytical Test Method	SW8330B - Explosives	SW6010C - Lead	SW8330B - Explosives by ISM	SW6010C - Lead by ISM	Code Matrix
							SO SOIL
							Code Container/Preservative
							2 2" 1L amber, 4 degrees C
							1 1" 1.0-1.5 kilogram bag
							13 1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016

Sample ID	Matrix	Date	Time	Samp Init.			Location ID	Sample Type	Depth (ft bgs) Top - Bottom
① 02-365C0002	SO	2/25/16	1200	TR		X	02-36	NI	2.8 2.5
② 02-375C0000			1218				02-37		0.0 0.5
③ 02-375C0001			1225				02-37		1.0 1.5
④ 02-375C0002	↓		1240			↓	02-37	↓	2.0 2.5
⑤ 02-ER06SC	WQ	↓	1330	↓	X		Field OC	EB	NA NA
6									
7									
8									
9									

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	3/1/16	1700	<i>[Signature]</i>	3/3/16	9:45	
FX						Received by Laboratory: (Signature, Date, Time) & condition

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ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA31931 CLIENT: Gilbane PROJECT: Fort Ord
 DATE/TIME RECEIVED: 3/3/16 9:45 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 2
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER DELIVERY OTHER: _____
 AIRBILL NUMBERS: _____

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM _____ 5-GRAM _____
 NUMBER OF 5035 FIELD KITS ? _____
 NUMBER OF LAB FILTERED METALS ? _____
 TEST STRIP LOT#s pH 0-3 204413A
 SUMMARY OF COMMENTS: _____

TEMPERATURE INFORMATION

- IR THERM ID 1 CORR. FACTOR +0.2
- OBSERVED TEMPS: 3.8 3.8
- CORRECTED TEMPS: 4.0 4.0 (USED FOR LIMS)

SAMPLE INFORMATION

- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- % SOLIDS JAR NOT RECEIVED
- RESIDUAL CHLORINE PRESENT LOT# _____

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

pH 10-12 219813A OTHER (specify) _____

TECHNICIAN SIGNATURE/DATE [Signature] 3/4/16 REVIEWER SIGNATURE/DATE [Signature] 3/4/16
 NF 11/15 receipt confirmation 111015.xls

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2 of 10

MPS# 7824 9959 3810
0681

Mstr#, 8094 6996 2807

0215

THU - 03 MAR 10:30A
MORNING 2DAY
AHS
32811
FL-US MCO

SH TIXA



FA31931: Chain of Custody
Page 6 of 8

Job Change

FA31931

Requested Date: 3/7/2016
Account Name: Gilbane Company
Project: Fort Ord AFB, CA
CSR: sueb

Received Date: 3/3/2016
Due Date: 3/17/2016
Deliverable: FULT1
TAT (Days): 14

=====
Sample #: FA31931-10 thru 18

Change:
Please run Pb by ISM for 10, 13, 16. The rest are on hold

Above Changes Per: Eric M

Date/Time: 3/7/2016 12:31:02 PM

FA31931: Chain of Custody

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To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

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CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 289-9724 EMiddleditch@GilbaneCo.com

COC # RP-022516-02



FA31931

Project Name: Fort Ord & DVHZLGH SDOJH SVVHV	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - \$ \$	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW8330B - Explosives SW8010C - Lead SW8330B - Explosives by ISM SW8010C - Lead by ISM	Code Matrix
			Code Container/Preservative
			SOIL
			WATER QUALITY CONTROL MATRIX
			2" 1L amber, 4 degrees C
			1" 1.0-1.5 kilogram bag
			1" 250ml poly, with HNO3

SBM
3/7/16

Event ID: Basewide Range Assessment Spring 2016									
Sample ID	Matrix	Date	Time	Samp Init.			Location ID	Sample Type	Depth (ft bgs) Top - Bottom
01 02-26SC0000	SO	2/25/16	1234	RP		X	02-26	N1	0.5 0.5
02 02-26SC0001			1246			X	02-26		1.0 1.5 HOLD
03 02-26SC0002			1256			X	02-26		2.0 2.5 HOLD
04 02-27SC0000			1315			X	02-27		0.0 0.5
05 02-27SC0001			1326			X	02-27		1.0 1.5 HOLD
06 02-27SC0002			1336	↓		X	02-27		2.0 2.5 HOLD
07 02-34SC0000			0905	↑		X	02-34		0.0 0.5
08 02-34SC0001			0920	↓		X	02-34		0.0 1.5 HOLD
09 02-34SC0002	↓	↓	0945	↓		X	02-34	↓	2.0 2.5 HOLD

Cooler #	Turnaround Time: 14 Days					
Relinquished by: (Signature) FX	Date 3/1/16	Time 17:00	Received by: (Signature) FX	Date 3/3/16	Time 9:45	Shipping Date / Carrier / Atrbill Number
Received by Laboratory: (Signature, Date, Time) & condition						

SW COC Record
July 08, 2015

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QC Evaluation: DOD QSM5 Limits

Job Number: FA31931
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 02/25/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MP30076 SW846 6010C							
MP30076-B1	7439-92-1	Lead	BSP	REC	103.6	%	86-113
MP30076-S1*	7439-92-1	Lead	MS	REC	102.8	%	86-113
MP30076-S2*	7439-92-1	Lead	MSD	REC	103.6	%	86-113
MP30076-S2*	7439-92-1	Lead	MSD	RPD	.8	%	20
MP30076-D1*	7439-92-1	Lead	DUP	RPD	0	%	20
MP30214 SW846 6010C							
MP30214-B1	7439-92-1	Lead	BSP	REC	93	%	81-112
MP30214-S1*	7439-92-1	Lead	MS	REC	97.2	%	81-112
MP30214-S2*	7439-92-1	Lead	MSD	REC	83.9	%	81-112
MP30214-S2*	7439-92-1	Lead	MSD	RPD	2.6	%	20
MP30214-D1*	7439-92-1	Lead	DUP	RPD	3.3	%	20
MP30214-D2*	7439-92-1	Lead	DUP	RPD	.5	%	20
MP30219 SW846 6010C							
MP30219-B1	7439-92-1	Lead	BSP	REC	95	%	81-112
MP30219-S1	7439-92-1	Lead	MS	REC	95.8	%	81-112
MP30219-S2	7439-92-1	Lead	MSD	REC	93.4	%	81-112
MP30219-S2	7439-92-1	Lead	MSD	RPD	4.1	%	20
MP30219-D1	7439-92-1	Lead	DUP	RPD	6.1	%	20
MP30219-D2	7439-92-1	Lead	DUP	RPD	4.9	%	20

* Sample used for QC is not from job FA31931

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Metals Analysis

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QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31931
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13017
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:14	MA13017-STD1	1		STDA
09:18	MA13017-STD2	1		STDB
09:22	MA13017-STD3	1		STDC
09:26	MA13017-STD4	1		STDD
09:33	MA13017-HSTD1	1		
09:40	MA13017-ICV1	1		
09:47	MA13017-ICB1	1		
09:59	MA13017-CR1A1	1		
10:09	MA13017-ICSA1	1		
10:16	MA13017-ICSAB1	1		
10:22	MA13017-CCV1	1		
10:30	MA13017-CCB1	1		
10:37	ZZZZZZ	10		
10:41	ZZZZZZ	5		
10:46	ZZZZZZ	10		
10:50	ZZZZZZ	5		
10:55	ZZZZZZ	10		
10:59	FA31719-1	10		(sample used for QC only; not part of login FA31931)
11:03	MP30074-D1	10		
11:08	MP30074-S1	10		
11:12	MP30074-S2	10		
11:16	MP30074-PS1	10		
11:21	MA13017-CCV2	1		
11:25	MA13017-CCB2	1		
11:29	MP30074-SD1	50		
11:34	ZZZZZZ	20		
11:38	ZZZZZZ	10		
11:42	ZZZZZZ	4		
11:47	MP30074-D2	10		
11:52	MP30076-MB1	1		
11:56	MP30076-B1	1		
12:00	FA31919-1	1		(sample used for QC only; not part of login FA31931)
12:05	MP30076-D1	1		

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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31931
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13017
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:09	MP30076-SD1	5		
12:14	MA13017-CCV3	1		
12:18	MA13017-CCB3	1		
12:22	MP30076-PS1	1		
12:27	MP30076-S1	1		
12:31	MP30076-S2	1		
12:35	ZZZZZZ	1		
12:39	ZZZZZZ	1		
12:44	ZZZZZZ	1		
12:48	ZZZZZZ	1		
12:53	ZZZZZZ	1		
12:57	ZZZZZZ	1		
13:02	ZZZZZZ	1		
13:06	MA13017-CCV4	1		
13:10	MA13017-CCB4	1		
13:15	ZZZZZZ	1		
13:19	ZZZZZZ	1		
13:28	ZZZZZZ	1		
13:33	ZZZZZZ	1		
13:37	FA31931-32	1		
----->	Last reportable sample/prep for job FA31931			
13:41	ZZZZZZ	1		
13:46	ZZZZZZ	1		
13:50	ZZZZZZ	1		
13:55	ZZZZZZ	1		
13:59	MA13017-CCV5	1		
14:03	MA13017-CCB5	1		
14:08	ZZZZZZ	1		
14:12	ZZZZZZ	1		
14:17	MP30078-MB1	1		
14:21	MP30078-B1	1		
14:25	MP30078-B2	1		
14:30	ZZZZZZ	1		
14:34	MA13017-CRIA2	1		

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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31931
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13017
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:39	MA13017-ICSA2	1		
14:43	MA13017-ICSAB2	1		
14:48	MA13017-CCV6	1		
15:06	MA13017-CCB6	1		
----->	Last reportable CCB for job FA31931 Refer to raw data for calibration curve and standards.			

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INTERNAL STANDARD SUMMARY

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13017
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:14	MA13017-STD1	5827	43250	3414	3013
09:18	MA13017-STD2	5747	42230	3395	2797
09:22	MA13017-STD3	5491	40597	3336	2527
09:26	MA13017-STD4	5274	40023	3356	2314
09:33	MA13017-HSTD1	5307	39284	3234	2331
09:40	MA13017-ICV1	5446	40018	3227	2493
09:47	MA13017-ICB1	5831 R	43107 R	3410 R	3006 R
09:59	MA13017-CRIA1	5753	42659	3410	2863
10:09	MA13017-ICSA1	5143	36581	3116	2275
10:16	MA13017-ICSAB1	5096	36586	3096	2221
10:22	MA13017-CCV1	5598	40728	3261	2543
10:30	MA13017-CCB1	5849	42689	3221	3017
10:37	ZZZZZZ	5888	43197	3316	2938
10:41	ZZZZZZ	5627	40975	3326	2735
10:46	ZZZZZZ	5664	40722	3224	2746
10:50	ZZZZZZ	5583	40761	3239	2757
10:55	ZZZZZZ	5647	41216	3241	2740
10:59	FA31719-1	5837	43454	3357	2945
11:03	MP30074-D1	5904	43468	3339	2974
11:08	MP30074-S1	5874	43190	3311	2901
11:12	MP30074-S2	5863	43180	3284	2908
11:16	MP30074-PS1	5833	43676	3336	2936
11:21	MA13017-CCV2	5506	41055	3259	2519
11:25	MA13017-CCB2	5832	43355	3342	3003
11:29	MP30074-SD1	5888	43662	3313	3006
11:34	ZZZZZZ	5850	43559	3276	3000
11:38	ZZZZZZ	5824	43664	3326	2963
11:42	ZZZZZZ	8290 !	60816 !	4902 !	2484
11:47	MP30074-D2	5800	43071	3243	2943
11:52	MP30076-MB1	5820	43469	3224	2998
11:56	MP30076-B1	5565	41259	3209	2641
12:00	FA31919-1	5775	43140	3283	2824
12:05	MP30076-D1	5756	42867	3247	2830

INTERNAL STANDARD SUMMARY

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13017
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:09	MP30076-SD1	5794	43562	3227	2960
12:14	MA13017-CCV3	5454	41069	3208	2527
12:18	MA13017-CCB3	5752	43625	3298	2997
12:22	MP30076-PS1	5678	42451	3250	2758
12:27	MP30076-S1	5558	41423	3199	2598
12:31	MP30076-S2	5551	41395	3220	2581
12:35	ZZZZZZ	5480	41349	3230	2703
12:39	ZZZZZZ	5538	41106	3174	2749
12:44	ZZZZZZ	5504	41015	3163	2725
12:48	ZZZZZZ	5587	42050	3263	2796
12:53	ZZZZZZ	5589	41552	3250	2730
12:57	ZZZZZZ	5524	40643	3154	2689
13:02	ZZZZZZ	5615	41682	3224	2786
13:06	MA13017-CCV4	5425	40273	3147	2511
13:10	MA13017-CCB4	5806	43723	3281	3005
13:15	ZZZZZZ	5589	41663	3223	2726
13:19	ZZZZZZ	5512	40868	3177	2687
13:28	ZZZZZZ	5683	43048	3200	2952
13:33	ZZZZZZ	5590	42042	3222	2796
13:37	FA31931-32	5590	41681	3203	2792
13:41	ZZZZZZ	5586	41570	3165	2792
13:46	ZZZZZZ	5354	40189	3192	2628
13:50	ZZZZZZ	5391	40754	3173	2710
13:55	ZZZZZZ	5359	40084	3134	2632
13:59	MA13017-CCV5	5437	40133	3107	2516
14:03	MA13017-CCB5	5704	42703	3143	2981
14:08	ZZZZZZ	5732	42926	3319	2734
14:12	ZZZZZZ	5633	42127	3197	2787
14:17	MP30078-MB1	5731	43630	3206	2997
14:21	MP30078-B1	5522	41115	3161	2639
14:25	MP30078-B2	5507	41235	3163	2645
14:30	ZZZZZZ	5690	43055	3242	2941
14:34	MA13017-CRIA2	5570	41599	3135	2830

INTERNAL STANDARD SUMMARY

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13017
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:39	MA13017-ICSA2	4947	36087	2896	2232
14:43	MA13017-ICSAB2	4916	36595	2920	2199
14:48	MA13017-CCV6	5370	41078	3127	2516
15:06	MA13017-CCB6	5603	42297	3130	2931

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

<u>Istd#</u>	<u>Parameter</u>	<u>Limits</u>
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

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BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030816M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/08/16
 Run ID: MA13017

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		09:47		10:30		11:25		12:18		
	Sample ID:	RL	IDL	ICB1	final	CCB1	final	CCB2	final	CCB3	final
Aluminum	200	14	anr								
Antimony	6.0	1	anr								
Arsenic	10	1.3	anr								
Barium	200	1	anr								
Beryllium	4.0	.2	anr								
Cadmium	4.0	.2	anr								
Calcium	1000	50	anr								
Chromium	10	1	anr								
Cobalt	50	.2	anr								
Copper	25	1	anr								
Iron	300	17	anr								
Lead	5.0	1	0.30	<20	0.40	<20	0.40	<5.0	0.0	<5.0	
Magnesium	5000	35	anr								
Manganese	15	.5	anr								
Molybdenum	50	.3	anr								
Nickel	40	.4	anr								
Potassium	10000	200	anr								
Selenium	10	2.4	anr								
Silver	10	.7	anr								
Sodium	10000	500	anr								
Strontium	10	.5	anr								
Thallium	10	1.1	anr								
Tin	50	.9	anr								
Titanium	10	.5	anr								
Vanadium	50	.5	anr								
Zinc	20	3	anr								

(*) Outside of QC limits
 (anr) Analyte not requested

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BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030816M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/08/16
 Run ID: MA13017

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		13:10		14:03		15:06	
	Sample ID:	RL	CCB4	IDL	CCB5	final	CCB6	final
Aluminum		200		14				
Antimony		6.0	anr	1				
Arsenic		10	anr	1.3				
Barium		200	anr	1				
Beryllium		4.0		.2				
Cadmium		4.0	anr	.2				
Calcium		1000	anr	50				
Chromium		10	anr	1				
Cobalt		50		.2				
Copper		25	anr	1				
Iron		300	anr	17				
Lead		5.0	0.60	1	<5.0	1.0	<5.0	0.30
Magnesium		5000	anr	35				
Manganese		15	anr	.5				
Molybdenum		50	anr	.3				
Nickel		40		.4				
Potassium		10000	anr	200				
Selenium		10	anr	2.4				
Silver		10	anr	.7				
Sodium		10000	anr	500				
Strontium		10		.5				
Thallium		10		1.1				
Tin		50	anr	.9				
Titanium		10		.5				
Vanadium		50		.5				
Zinc		20	anr	3				

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
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CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31931
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13017 Units: ug/l

Metal	Time: Sample ID: ICV	09:40		CCV True	10:22		CCV True	11:21	
		ICV1	Results % Rec		CCV1	Results % Rec		CCV2	Results % Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	2010	100.5	2000	1980	99.0	2000	2000	100.0
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium	anr								
Thallium	anr								
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31931
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13017 Units: ug/l

Metal	Sample ID	Time: CCV	12:14 CCV3		13:06 CCV4		13:59 CCV5		
			Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	2000	1980	99.0	2000	1990	99.5	2000	1990	99.5
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin	anr								
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31931
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13017 Units: ug/l

Time:	14:48		
Sample ID:	CCV	CCV6	
Metal	True	Results	% Rec

Aluminum			
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt			
Copper	anr		
Iron	anr		
Lead	2000	1980	99.0
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel			
Potassium			
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium			
Tin	anr		
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13017 Units: ug/l

Time:	09:33		
Sample ID:	HSTD1		
Metal	HSTD True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	4000	4000	100.0
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium	anr		
Thallium	anr		
Tin	anr		
Titanium	anr		
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13017 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	09:59 CRIA1 Results	% Rec	14:34 CRIA2 Results	% Rec
Metal						
Aluminum	400	200	anr			
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	5.2	104.0	5.1	102.0
Magnesium	10000	5000	anr			
Manganese	30	15	anr			
Molybdenum	100	50	anr			
Nickel	80	40	anr			
Potassium	20000	10000	anr			
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10	anr			
Thallium	20	10	anr			
Tin	100	50	anr			
Titanium	20	10	anr			
Vanadium	100	50	anr			
Zinc	40	20	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA31931
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13017 Units: ug/l

Time:	10:09	10:16	14:39	14:43						
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2						
Metal	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum	500000	500000	482000	96.4	506000	101.2	504000	100.8	534000	106.8
Antimony		1000	1.2		1020	102.0	2.2		1060	106.0
Arsenic		1000	0.0		1080	108.0	0.0		1120	112.0
Barium		500	0.0		513	102.6	0.70		580	116.0
Beryllium		500	0.20		517	103.4	0.10		574	114.8
Cadmium		1000	0.0		963	96.3	-0.20		1040	104.0
Calcium	500000	500000	474000	94.8	494000	98.8	490000	98.0	501000	100.2
Chromium		500	0.50		520	104.0	0.40		538	107.6
Cobalt		500	0.0		473	94.6	0.10		530	106.0
Copper		500	1.1		551	110.2	0.50		588	117.6
Iron	200000	200000	178000	89.0	191000	95.5	184000	92.0	193000	96.5
Lead		1000	0.10		963	96.3	-4.4		1020	102.0
Magnesium	500000	500000	508000	101.6	533000	106.6	514000	102.8	523000	104.6
Manganese		500	0.70		522	104.4	0.50		552	110.4
Molybdenum		1000	0.0		928	92.8	0.10		994	99.4
Nickel		1000	0.0		957	95.7	-0.10		1030	103.0
Potassium			686		99.8		770		81.7	
Selenium		1000	-0.10		1020	102.0	-1.1		1060	106.0
Silver		1000	0.0		1060	106.0	-0.70		1120	112.0
Sodium			739		174		765		156	
Strontium		1000	0.50		1020	102.0	0.20		1030	103.0
Thallium		1000	1.7		960	96.0	2.3		964	96.4
Tin		1000	2.9 (a)		930	93.0	3.2		942	94.2
Titanium		1000	0.40		1020	102.0	0.50		1010	101.0
Vanadium		500	0.0		474	94.8	0.60		498	99.6
Zinc		1000	0.10		970	97.0	-1.5		1040	104.0

(*) Outside of QC limits
(anr) Analyte not requested
(a) Verified trace level impurity.

6.1.6
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31931
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040616M2.ICP Date Analyzed: 04/06/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13079
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:31	MA13079-STD1	1		STDA
12:40	MA13079-STD2	1		STDB
12:43	MA13079-STD3	1		STDC
12:47	MA13079-STD4	1		STDD
12:51	MA13079-HSTD1	1		
12:57	MA13079-ICV1	1		
13:05	MA13079-ICB1	1		
13:13	MA13079-CR1A1	1		
13:21	MA13079-ICSA1	1		
13:29	MA13079-ICSAB1	1		
13:35	MA13079-CCV1	1		
13:41	MA13079-CCB1	1		
13:45	MP30212-MB1	1		
13:50	MP30212-B1	1		
14:26	ZZZZZZ	10		
14:30	MA13079-CCV2	1		
14:35	MA13079-CCB2	1		
14:39	ZZZZZZ	10		
14:44	ZZZZZZ	10		
14:48	ZZZZZZ	10		
14:53	ZZZZZZ	10		
14:57	ZZZZZZ	10		
15:02	ZZZZZZ	10		
15:06	ZZZZZZ	10		
15:11	ZZZZZZ	10		
15:16	ZZZZZZ	10		
15:20	ZZZZZZ	10		
15:25	MA13079-CCV3	1		
15:29	MA13079-CCB3	1		
15:34	ZZZZZZ	10		
15:38	ZZZZZZ	10		
15:43	ZZZZZZ	10		
15:48	ZZZZZZ	10		

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31931
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040616M2.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 04/06/16
Run ID: MA13079
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:52	ZZZZZZ	10		
15:57	ZZZZZZ	10		
16:01	ZZZZZZ	10		
16:06	ZZZZZZ	10		
16:10	MP30214-MB1	5		
16:15	MP30214-B1	5		
16:19	MA13079-CCV4	1		
16:23	MA13079-CCB4	1		
16:28	FA31672-18	5		(sample used for QC only; not part of login FA31931)
16:32	MP30214-D1	5		
16:37	MP30214-D2	5		
16:41	MP30214-SD1	25		
16:45	MP30214-PS1	5		
16:50	MP30214-S1	5		
16:54	MP30214-S2	5		
16:58	ZZZZZZ	5		
17:03	ZZZZZZ	5		
17:07	ZZZZZZ	5		
17:11	MA13079-CCV5	1		
17:15	MA13079-CCB5	1		
17:20	ZZZZZZ	5		
17:24	ZZZZZZ	5		
17:29	ZZZZZZ	5		
17:33	ZZZZZZ	5		
17:37	ZZZZZZ	5		
17:42	ZZZZZZ	5		
17:46	ZZZZZZ	5		
17:51	ZZZZZZ	5		
17:55	ZZZZZZ	5		
17:59	ZZZZZZ	5		
18:04	MA13079-CCV6	1		
18:08	MA13079-CCB6	1		
18:12	ZZZZZZ	5		

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31931
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040616M2.ICP Date Analyzed: 04/06/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13079
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:17	ZZZZZZ	5		
18:21	FA31931-1	5		
18:25	FA31931-4	5		
----->	Last reportable sample/prep for job FA31931			
18:30	MA13079-CRIA2	1		
18:34	MA13079-ICSA2	1		
18:39	MA13079-ICSAB2	1		
18:43	MA13079-CCV7	1		
18:48	MA13079-CCB7	1		
----->	Last reportable CCB for job FA31931 Refer to raw data for calibration curve and standards.			

6.2
6

INTERNAL STANDARD SUMMARY

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040616M2.ICP Date Analyzed: 04/06/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13079
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:31	MA13079-STD1	4979	42096	4860	2591
12:40	MA13079-STD2	5013	41611	4881	2496
12:43	MA13079-STD3	4831	40583	4805	2298
12:47	MA13079-STD4	4557	39555	4793	2107
12:51	MA13079-HSTD1	4649	40033	4778	2145
12:57	MA13079-ICV1	4823	40675	4769	2294
13:05	MA13079-ICB1	4927 R	41543 R	4794 R	2573 R
13:13	MA13079-CR1A1	4977	41833	4868	2546
13:21	MA13079-ICSA1	4485	37406	4546	2076
13:29	MA13079-ICSAB1	4481	37167	4499	2038
13:35	MA13079-CCV1	4806	40771	4765	2306
13:41	MA13079-CCB1	5001	41936	4781	2618
13:45	MP30212-MB1	5019	43041	4822	2643
13:50	MP30212-B1	4885	41417	4759	2448
14:26	ZZZZZZ	4701	40051	4716	2236
14:30	MA13079-CCV2	4745	40875	4754	2294
14:35	MA13079-CCB2	4927	42237	4804	2611
14:39	ZZZZZZ	4609	39704	4689	2207
14:44	ZZZZZZ	4504	38827	4623	2175
14:48	ZZZZZZ	4570	39679	4771	2178
14:53	ZZZZZZ	4937	42316	4871	2236
14:57	ZZZZZZ	4579	39060	4588	2209
15:02	ZZZZZZ	4884	42209	4913	2200
15:06	ZZZZZZ	4684	40618	4706	2335
15:11	ZZZZZZ	4593	40497	4674	2369
15:16	ZZZZZZ	5277	45659	5316	2141
15:20	ZZZZZZ	5996	51997 !	5928	2454
15:25	MA13079-CCV3	4691	40819	4605	2291
15:29	MA13079-CCB3	4831	42201	4710	2589
15:34	ZZZZZZ	5024	43995	5122	2191
15:38	ZZZZZZ	6050	52309 !	5946	2394
15:43	ZZZZZZ	6340 !	55213 !	6182 !	2408
15:48	ZZZZZZ	6209 !	54477 !	6212 !	2393

INTERNAL STANDARD SUMMARY

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040616M2.ICP Date Analyzed: 04/06/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13079
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:52	ZZZZZZ	4581	40797	4707	2163
15:57	ZZZZZZ	4676	41406	4801	2225
16:01	ZZZZZZ	5655	49389	5600	2408
16:06	ZZZZZZ	5659	49959	5642	2437
16:10	MP30214-MB1	4851	42437	4656	2598
16:15	MP30214-B1	4828	42224	4596	2541
16:19	MA13079-CCV4	4644	41290	4620	2292
16:23	MA13079-CCB4	4864	42808	4707	2634
16:28	FA31672-18	5054	43832	4811	2507
16:32	MP30214-D1	5031	44099	4809	2514
16:37	MP30214-D2	5010	44025	4820	2496
16:41	MP30214-SD1	4942	43546	4779	2593
16:45	MP30214-PS1	5021	43778	4824	2500
16:50	MP30214-S1	5008	43583	4777	2465
16:54	MP30214-S2	4986	43732	4854	2463
16:58	ZZZZZZ	5005	43960	4780	2511
17:03	ZZZZZZ	4978	43619	4768	2542
17:07	ZZZZZZ	4905	43169	4783	2518
17:11	MA13079-CCV5	4646	41584	4623	2309
17:15	MA13079-CCB5	4825	42751	4656	2624
17:20	ZZZZZZ	4879	43320	4658	2563
17:24	ZZZZZZ	4911	43831	4758	2523
17:29	ZZZZZZ	4870	43265	4696	2559
17:33	ZZZZZZ	4958	44149	4780	2558
17:37	ZZZZZZ	4866	43452	4710	2557
17:42	ZZZZZZ	4861	43570	4754	2528
17:46	ZZZZZZ	4881	43491	4713	2536
17:51	ZZZZZZ	4889	43436	4722	2539
17:55	ZZZZZZ	4836	43494	4748	2503
17:59	ZZZZZZ	4911	43986	4752	2533
18:04	MA13079-CCV6	4610	41232	4573	2312
18:08	MA13079-CCB6	4740	42810	4651	2603
18:12	ZZZZZZ	4879	43954	4859	2476

6.2.1
6

INTERNAL STANDARD SUMMARY

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040616M2.ICP Date Analyzed: 04/06/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13079
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:17	ZZZZZZ	4879	43741	4737	2507
18:21	FA31931-1	4869	43488	4721	2513
18:25	FA31931-4	4860	43830	4771	2477
18:30	MA13079-CRIA2	4729	42296	4686	2547
18:34	MA13079-ICSA2	4263	37349	4349	2057
18:39	MA13079-ICSAB2	4212	37483	4295	2015
18:43	MA13079-CCV7	4534	41089	4590	2280
18:48	MA13079-CCB7	4711	42429	4595	2579

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

<u>Istd#</u>	<u>Parameter</u>	<u>Limits</u>
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.2.1
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040616M2.ICP
 QC Limits: result < RL

Date Analyzed: 04/06/16
 Run ID: MA13079

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		13:05		13:41		14:35		15:29		
	Sample ID:	RL	IDL	ICB1	final	CCB1	final	CCB2	final	CCB3	final
Aluminum	200	14									
Antimony	20	1	anr								
Arsenic	10	1.3									
Barium	200	1	anr								
Beryllium	5.0	.2									
Cadmium	4.0	.2									
Calcium	5000	50									
Chromium	10	1									
Cobalt	50	.2									
Copper	25	1	anr								
Iron	300	17									
Lead	20	1	0.90	<20	0.70	<20	1.2	<20	0.50	<20	
Magnesium	5000	35									
Manganese	15	.5									
Molybdenum	50	.3									
Nickel	40	.4									
Potassium	10000	200									
Selenium	20	2.4									
Silver	10	.7									
Sodium	10000	500									
Strontium	10	.5									
Thallium	10	1.1									
Tin	50	.9									
Titanium	10	.5									
Vanadium	50	.5									
Zinc	20	3	anr								

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040616M2.ICP
 QC Limits: result < RL

Date Analyzed: 04/06/16
 Run ID: MA13079

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		16:23		17:15		18:08		18:48		
	Sample ID:	RL	IDL	CCB4	final	CCB5	final	CCB6	final	CCB7	final
Aluminum		200	14								
Antimony		20	1	anr							
Arsenic		10	1.3								
Barium		200	1	anr							
Beryllium		5.0	.2								
Cadmium		4.0	.2								
Calcium		5000	50								
Chromium		10	1								
Cobalt		50	.2								
Copper		25	1	anr							
Iron		300	17								
Lead		20	1	0.60	<20	0.60	<20	1.0	<20	0.70	<20
Magnesium		5000	35								
Manganese		15	.5								
Molybdenum		50	.3								
Nickel		40	.4								
Potassium		10000	200								
Selenium		20	2.4								
Silver		10	.7								
Sodium		10000	500								
Strontium		10	.5								
Thallium		10	1.1								
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31931
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040616M2.ICP Date Analyzed: 04/06/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13079 Units: ug/l

Metal	Time:		12:57		13:35		14:30		
	Sample ID:	ICV	ICV1	CCV	CCV1	CCV	CCV2		
	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic									
Barium	anr								
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper	anr								
Iron									
Lead	2000	1980	99.0	2000	2000	100.0	2000	2000	100.0
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31931
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040616M2.ICP Date Analyzed: 04/06/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13079 Units: ug/l

Metal	Time:	15:25	% Rec	16:19	% Rec	17:11	% Rec		
	Sample ID:	CCV3		CCV4		CCV5			
	True	Results		True		True			
Aluminum									
Antimony	anr								
Arsenic									
Barium	anr								
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper	anr								
Iron									
Lead	2000	1990	99.5	2000	1990	99.5	2000	1970	98.5
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31931
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040616M2.ICP Date Analyzed: 04/06/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13079 Units: ug/l

Time:	18:04	18:43				
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum						
Antimony	anr					
Arsenic						
Barium	anr					
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper	anr					
Iron						
Lead	2000	1950	97.5	2000	1970	98.5
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040616M2.ICP Date Analyzed: 04/06/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13079 Units: ug/l

Time:	12:51
Sample ID:	HSTD1
Metal	True
	Results % Rec

Aluminum			
Antimony	anr		
Arsenic			
Barium	anr		
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper	anr		
Iron			
Lead	4000	3950	98.8
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA040616M2.ICP Date Analyzed: 04/06/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13079 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	13:13 CRIA1 Results	% Rec	18:30 CRIA2 Results	% Rec
Metal						
Aluminum	400	200				
Antimony	10	5.0	anr			
Arsenic	20	10				
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0				
Calcium	2000	1000				
Chromium	20	10				
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300				
Lead	10	5.0	5.9	118.0	6.2	124.0
Magnesium	10000	5000				
Manganese	30	15				
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000				
Selenium	20	10				
Silver	20	10				
Sodium	20000	10000				
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA31931
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA040616M2.ICP Date Analyzed: 04/06/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13079 Units: ug/l

Time:	13:21	13:29	18:34	18:39						
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2						
Metal	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum	500000	500000	501000	100.2	497000	99.4	527000	105.4	532000	106.4
Antimony		1000	0.0		1000	100.0	0.70		1050	105.0
Arsenic		1000	0.90		1060	106.0	0.70		1110	111.0
Barium		500	-0.10		500	100.0	-0.20		483	96.6
Beryllium		500	-0.10		497	99.4	0.0		501	100.2
Cadmium		1000	0.0		921	92.1	-0.50		968	96.8
Calcium	500000	500000	472000	94.4	473000	94.6	464000	92.8	471000	94.2
Chromium		500	-0.10		492	98.4	0.10		491	98.2
Cobalt		500	-0.20		458	91.6	-0.30		497	99.4
Copper		500	0.0		529	105.8	0.30		558	111.6
Iron	200000	200000	181000	90.5	181000	90.5	186000	93.0	187000	93.5
Lead		1000	-0.30		929	92.9	-6.9		907	90.7
Magnesium	500000	500000	520000	104.0	524000	104.8	553000	110.6	566000	113.2
Manganese		500	-0.10		492	98.4	-0.30		474	94.8
Molybdenum		1000	0.10		920	92.0	-0.70		1000	100.0
Nickel		1000	0.10		917	91.7	0.10		949	94.9
Potassium			156		99.5		67.3		28.4	
Selenium		1000	0.0		998	99.8	-5.8		1060	106.0
Silver		1000	-0.10		1000	100.0	-0.60		1030	103.0
Sodium			138		137		109		111	
Strontium		1000	0.30		1010	101.0	0.40		1000	100.0
Thallium		1000	0.0		944	94.4	-3.4		924	92.4
Tin		1000	1.3		923	92.3	1.0		922	92.2
Titanium		1000	0.50		993	99.3	0.60		963	96.3
Vanadium		500	0.10		457	91.4	0.80		443	88.6
Zinc		1000	-3.1		921	92.1	-3.6		925	92.5

(*) Outside of QC limits
(anr) Analyte not requested

6.2.6
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB040716M1.ICP
 Analyst: LM
 Parameters: Pb

Date Analyzed: 04/07/16 Methods: SW846 6010C
 Run ID: MA13082

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:42	MA13082-STD1	1		STDA
08:45	MA13082-STD2	1		STDB
08:52	MA13082-STD3	1		STDC
08:57	MA13082-STD4	1		STDD
09:01	MA13082-HSTD1	1		
09:09	MA13082-ICV1	1		
09:16	MA13082-ICB1	1		
09:25	MA13082-CR1A1	1		
09:33	MA13082-ICSA1	1		
09:40	MA13082-ICSAB1	1		
09:49	MA13082-CCV1	1		
09:57	MA13082-CCB1	1		
10:02	FA32465-10	100		(sample used for QC only; not part of login FA31931)
10:06	MP30212-D1	100		
10:10	MP30212-S1	100		
10:14	MP30212-S2	100		
10:18	MP30212-PS1	100		
10:22	MP30212-SD1	500		
10:26	MP30212-D2	100		
10:30	ZZZZZZ	20		
10:34	ZZZZZZ	20		
10:39	ZZZZZZ	20		
10:43	MA13082-CCV2	1		
10:47	MA13082-CCB2	1		
10:51	ZZZZZZ	20		
10:55	ZZZZZZ	25		
10:59	ZZZZZZ	100		
11:03	ZZZZZZ	20		
11:08	ZZZZZZ	20		
11:12	ZZZZZZ	20		
11:16	ZZZZZZ	20		
11:20	ZZZZZZ	20		
11:25	ZZZZZZ	100		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31931
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB040716M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 04/07/16
Run ID: MA13082
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:29	MP30216-MB1	1		
11:33	MA13082-CCV3	1		
11:37	MA13082-CCB3	1		
11:42	MP30216-B1	1		
11:46	FA32756-14	1		(sample used for QC only; not part of login FA31931)
11:50	MP30216-D1	1		
11:54	MP30216-SD1	5		
11:58	MP30216-PS1	1		
12:03	MP30216-S1	1		
12:07	MP30216-S2	1		
12:11	ZZZZZZ	1		
12:15	ZZZZZZ	1		
12:20	ZZZZZZ	1		
12:24	MA13082-CCV4	1		
12:28	MA13082-CCB4	1		
12:32	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:40	ZZZZZZ	1		
12:44	ZZZZZZ	1		
12:49	ZZZZZZ	1		
12:53	ZZZZZZ	1		
12:57	ZZZZZZ	1		
13:01	ZZZZZZ	1		
13:06	ZZZZZZ	1		
13:10	ZZZZZZ	1		
13:14	MA13082-CCV5	1		
13:18	MA13082-CCB5	1		
13:23	ZZZZZZ	1		
13:27	ZZZZZZ	1		
13:31	ZZZZZZ	1		
13:35	ZZZZZZ	1		
13:40	ZZZZZZ	1		
13:44	ZZZZZZ	1		

6.3
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31931
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB040716M1.ICP Date Analyzed: 04/07/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13082
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:49	MP30219-MB1	5		
13:53	MP30219-B1	5		
13:57	FA31931-7	5		
14:01	MP30219-D1	5		
14:05	MA13082-CCV6	1		
14:09	MA13082-CCB6	1		
14:13	MP30219-D2	5		
14:17	MP30219-SD1	25		
14:21	MP30219-PS1	5		
14:26	MP30219-S1	5		
14:30	MP30219-S2	5		
14:34	FA31931-10	5		
14:38	FA31931-13	5		
14:42	FA31931-16	5		
14:46	FA31931-20	5		
14:50	FA31931-23	5		
14:54	MA13082-CCV7	1		
14:58	MA13082-CCB7	1		
15:02	FA31931-26	5		
15:06	FA31931-29	5		
----->	Last reportable sample/prep for job FA31931			
15:10	MA13082-CRIA2	1		
15:14	MA13082-ICSA2	1		
15:19	MA13082-ICSAB2	1		
15:23	MA13082-CCV8	1		
15:27	MA13082-CCB8	1		
----->	Last reportable CCB for job FA31931			
	Refer to raw data for calibration curve and standards.			

6.3
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INTERNAL STANDARD SUMMARY

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB040716M1.ICP Date Analyzed: 04/07/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13082
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:42	MA13082-STD1	7233	54408	6627	2661
08:45	MA13082-STD2	7211	54377	6629	2501
08:52	MA13082-STD3	6891	52012	6638	2249
08:57	MA13082-STD4	6644	51287	6615	2083
09:01	MA13082-HSTD1	6627	51201	6672	2079
09:09	MA13082-ICV1	6794	52649	6665	2227
09:16	MA13082-ICB1	7121 R	54726 R	6750 R	2622 R
09:25	MA13082-CR1A1	7117	54254	6787	2545
09:33	MA13082-ICSA1	6364	48005	6546	2007
09:40	MA13082-ICSAB1	6320	47624	6397	1968
09:49	MA13082-CCV1	6830	52891	6714	2236
09:57	MA13082-CCB1	7041	54399	6623	2608
10:02	FA32465-10	6957	53364	6637	2490
10:06	MP30212-D1	7030	53948	6722	2515
10:10	MP30212-S1	7031	53427	6699	2510
10:14	MP30212-S2	7054	53980	6667	2516
10:18	MP30212-PS1	7042	53842	6693	2509
10:22	MP30212-SD1	7031	54117	6704	2550
10:26	MP30212-D2	7033	53821	6703	2510
10:30	ZZZZZZ	6679	51437	6624	2243
10:34	ZZZZZZ	6604	50790	6592	2220
10:39	ZZZZZZ	6712	51411	6729	2240
10:43	MA13082-CCV2	6788	52276	6575	2222
10:47	MA13082-CCB2	6998	53408	6577	2580
10:51	ZZZZZZ	6644	51453	6586	2232
10:55	ZZZZZZ	6973	53284	6852	2399
10:59	ZZZZZZ	6983	53453	6618	2497
11:03	ZZZZZZ	7216	54540	6883	2279
11:08	ZZZZZZ	7906	59384	7418	2430
11:12	ZZZZZZ	8056	60512	7675	2410
11:16	ZZZZZZ	8210	61241	7685	2410
11:20	ZZZZZZ	8207	60962	7600	2413
11:25	ZZZZZZ	7274	55129	6837	2541

INTERNAL STANDARD SUMMARY

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB040716M1.ICP Date Analyzed: 04/07/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13082
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:29	MP30216-MB1	7157	54935	6677	2637
11:33	MA13082-CCV3	6791	51524	6480	2223
11:37	MA13082-CCB3	7043	53233	6512	2601
11:42	MP30216-B1	6930	52949	6660	2351
11:46	FA32756-14	6521	50104	6505	2127
11:50	MP30216-D1	6491	49919	6478	2114
11:54	MP30216-SD1	6858	51923	6570	2367
11:58	MP30216-PS1	6554	50156	6517	2124
12:03	MP30216-S1	6578	50074	6574	2061
12:07	MP30216-S2	6621	50185	6529	2079
12:11	ZZZZZZ	6727	51128	6487	2327
12:15	ZZZZZZ	6654	51329	6556	2305
12:20	ZZZZZZ	6740	51679	6506	2339
12:24	MA13082-CCV4	6807	52022	6466	2229
12:28	MA13082-CCB4	7019	53322	6415	2588
12:32	ZZZZZZ	6656	50937	6493	2290
12:36	ZZZZZZ	6663	50922	6485	2285
12:40	ZZZZZZ	6620	50667	6441	2296
12:44	ZZZZZZ	6545	50044	6360	2243
12:49	ZZZZZZ	6656	50617	6340	2285
12:53	ZZZZZZ	6568	50343	6498	2258
12:57	ZZZZZZ	6680	51115	6494	2335
13:01	ZZZZZZ	6452	49455	6328	2192
13:06	ZZZZZZ	6687	50978	6362	2303
13:10	ZZZZZZ	6738	51523	6588	2236
13:14	MA13082-CCV5	6788	51534	6439	2218
13:18	MA13082-CCB5	7045	53114	6459	2590
13:23	ZZZZZZ	6590	50433	6369	2281
13:27	ZZZZZZ	6635	50874	6428	2281
13:31	ZZZZZZ	6529	50348	6406	2262
13:35	ZZZZZZ	5010	50191	6364	2219
13:40	ZZZZZZ	6605	50639	6437	2296
13:44	ZZZZZZ	7790	60710	8365	1816

6.3.1
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INTERNAL STANDARD SUMMARY

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB040716M1.ICP Date Analyzed: 04/07/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13082
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:49	MP30219-MB1	7089	53601	6454	2588
13:53	MP30219-B1	7024	52632	6365	2490
13:57	FA31931-7	7177	53474	6492	2481
14:01	MP30219-D1	7186	54074	6642	2481
14:05	MA13082-CCV6	6758	51052	6429	2208
14:09	MA13082-CCB6	6986	52402	6403	2569
14:13	MP30219-D2	7201	54148	6634	2486
14:17	MP30219-SD1	7137	53412	6539	2555
14:21	MP30219-PS1	7203	53479	6555	2472
14:26	MP30219-S1	7169	53134	6478	2431
14:30	MP30219-S2	7183	53243	6554	2434
14:34	FA31931-10	7284	54052	6649	2496
14:38	FA31931-13	7263	54048	6505	2464
14:42	FA31931-16	7322	54304	6601	2466
14:46	FA31931-20	7223	53706	6551	2454
14:50	FA31931-23	7189	53197	6573	2471
14:54	MA13082-CCV7	6818	51423	6394	2231
14:58	MA13082-CCB7	6987	52428	6358	2565
15:02	FA31931-26	7210	53504	6518	2467
15:06	FA31931-29	7179	53199	6551	2484
15:10	MA13082-CRIA2	6950	52444	6357	2489
15:14	MA13082-ICSA2	6242	46534	6110	1974
15:19	MA13082-ICSAB2	6210	46549	6150	1937
15:23	MA13082-CCV8	6780	51414	6366	2217
15:27	MA13082-CCB8	6992	52512	6250	2572

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB040716M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/07/16
 Run ID: MA13082

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		09:16		09:57		10:47		11:37		
	Sample ID:	RL	IDL	ICB1	final	CCB1	final	CCB2	final	CCB3	final
Aluminum	200	14									
Antimony	20	1	anr								
Arsenic	10	1.3	anr								
Barium	200	1	anr								
Beryllium	5.0	.2									
Cadmium	4.0	.2									
Calcium	5000	50									
Chromium	10	1	anr								
Cobalt	50	.2									
Copper	25	1	anr								
Iron	300	17									
Lead	20	1	-1.1	<20	0.0	<20	-0.50	<20	-1.0	<20	
Magnesium	5000	35									
Manganese	15	.5									
Molybdenum	50	.3									
Nickel	40	.4	anr								
Potassium	10000	200									
Selenium	20	2.4									
Silver	10	.7									
Sodium	10000	500									
Strontium	10	.5									
Thallium	10	1.1									
Tin	50	.9									
Titanium	10	.5									
Vanadium	50	.5									
Zinc	20	3	anr								

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB040716M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/07/16
 Run ID: MA13082

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	12:28 CCB4		13:18 CCB5		14:09 CCB6		14:58 CCB7	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14								
Antimony		20	1	anr							
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		5.0	.2								
Cadmium		4.0	.2								
Calcium		5000	50								
Chromium		10	1	anr							
Cobalt		50	.2								
Copper		25	1	anr							
Iron		300	17								
Lead		20	1	-0.90	<20	-1.1	<20	0.0	<20	-0.10	<20
Magnesium		5000	35								
Manganese		15	.5								
Molybdenum		50	.3								
Nickel		40	.4	anr							
Potassium		10000	200								
Selenium		20	2.4								
Silver		10	.7								
Sodium		10000	500								
Strontium		10	.5								
Thallium		10	1.1								
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB040716M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/07/16
 Run ID: MA13082

Methods: SW846 6010C
 Units: ug/l

Time:	15:27			
Sample ID:	CCB8			
Metal	RL	IDL	raw	final
Aluminum	200	14		
Antimony	20	1	anr	
Arsenic	10	1.3	anr	
Barium	200	1	anr	
Beryllium	5.0	.2		
Cadmium	4.0	.2		
Calcium	5000	50		
Chromium	10	1	anr	
Cobalt	50	.2		
Copper	25	1	anr	
Iron	300	17		
Lead	20	1	-0.50	<20
Magnesium	5000	35		
Manganese	15	.5		
Molybdenum	50	.3		
Nickel	40	.4	anr	
Potassium	10000	200		
Selenium	20	2.4		
Silver	10	.7		
Sodium	10000	500		
Strontium	10	.5		
Thallium	10	1.1		
Tin	50	.9		
Titanium	10	.5		
Vanadium	50	.5		
Zinc	20	3	anr	

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.2
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31931
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB040716M1.ICP Date Analyzed: 04/07/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13082 Units: ug/l

Metal	Time:		09:09		09:49		10:43		
	Sample ID:	ICV	ICV1	CCV	CCV1	CCV	CCV2		
	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium									
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron									
Lead	2000	2010	100.5	2000	1970	98.5	2000	1980	99.0
Magnesium									
Manganese									
Molybdenum									
Nickel	anr								
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.3.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31931
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB040716M1.ICP Date Analyzed: 04/07/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13082 Units: ug/l

Metal	Sample ID	CCV	11:33		CCV	12:24		CCV	13:14	
			CCV3	Results		CCV4	Results		CCV5	Results
Aluminum										
Antimony	anr									
Arsenic	anr									
Barium	anr									
Beryllium										
Cadmium										
Calcium										
Chromium	anr									
Cobalt										
Copper	anr									
Iron										
Lead	2000	1990	99.5	2000	1990	99.5	2000	2010	100.5	
Magnesium										
Manganese										
Molybdenum										
Nickel	anr									
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc	anr									

(*) Outside of QC limits
(anr) Analyte not requested

6.3.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31931
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB040716M1.ICP Date Analyzed: 04/07/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13082 Units: ug/l

Time:	14:05	14:54	15:23
Sample ID:	CCV6	CCV7	CCV8
Metal	True	True	True
	Results	Results	Results
	% Rec	% Rec	% Rec
Aluminum			
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium			
Calcium			
Chromium	anr		
Cobalt			
Copper	anr		
Iron			
Lead	2000 2020	1990	2000
	101.0	99.5	100.0
Magnesium			
Manganese			
Molybdenum			
Nickel	anr		
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

6.3.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB040716M1.ICP Date Analyzed: 04/07/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13082 Units: ug/l

Time:	09:01
Sample ID:	HSTD1
Metal	True
Results	% Rec

Aluminum			
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium			
Calcium			
Chromium	anr		
Cobalt			
Copper	anr		
Iron			
Lead	4000	4030	100.8
Magnesium			
Manganese			
Molybdenum			
Nickel	anr		
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB040716M1.ICP Date Analyzed: 04/07/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13082 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	09:25 CRIA1 Results	% Rec	15:10 CRIA2 Results	% Rec
Metal						
Aluminum	400	200				
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0				
Calcium	2000	1000				
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300				
Lead	10	5.0	4.8	96.0	4.7	94.0
Magnesium	10000	5000				
Manganese	30	15				
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000				
Selenium	20	10				
Silver	20	10				
Sodium	20000	10000				
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA31931
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB040716M1.ICP Date Analyzed: 04/07/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13082 Units: ug/l

Time:	09:33	09:40	15:14	15:19
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2
Metal	True	Results % Rec	Results % Rec	Results % Rec
Aluminum	500000	482000 96.4	492000 98.4	515000 103.0
Antimony	1000	-0.30	1020 102.0	1040 104.0
Arsenic	1000	0.0	1090 109.0	1100 110.0
Barium	500	-0.30	508 101.6	524 104.8
Beryllium	500	0.0	484 96.8	491 98.2
Cadmium	1000	0.10	948 94.8	967 96.7
Calcium	500000	457000 91.4	468000 93.6	482000 96.4
Chromium	500	0.20	496 99.2	0.20 507 101.4
Cobalt	500	-0.20	471 94.2	0.0 480 96.0
Copper	500	0.0	528 105.6	-1.4 540 108.0
Iron	200000	179000 89.5	180000 90.0	182000 91.0
Lead	1000	-0.20	937 93.7	-9.6 948 94.8
Magnesium	500000	499000 99.8	508000 101.6	514000 102.8
Manganese	500	0.0	503 100.6	0.0 511 102.2
Molybdenum	1000	0.20	948 94.8	0.10 963 96.3
Nickel	1000	0.0	949 94.9	-0.40 961 96.1
Potassium		35.1	57.3	37.1 -11
Selenium	1000	0.0	1020 102.0	2.7 1040 104.0
Silver	1000	-0.60	972 97.2	-0.90 989 98.9
Sodium		131	142	127 116
Strontium	1000	0.0	995 99.5	0.0 1040 104.0
Thallium	1000	-0.30	958 95.8	1.2 976 97.6
Tin	1000	-0.30	945 94.5	0.0 948 94.8
Titanium	1000	-0.90	1010 101.0	-0.90 1040 104.0
Vanadium	500	0.80	467 93.4	1.0 473 94.6
Zinc	1000	-1.7	948 94.8	-1.8 961 96.1

(*) Outside of QC limits
(anr) Analyte not requested

6.3.6
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA31931
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30076
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/08/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	14	14		
Antimony	6.0	1	1		
Arsenic	10	1.3	1.3		
Barium	200	1	1		
Beryllium	4.0	.2	.2		
Cadmium	5.0	.2	.2		
Calcium	1000	50	50		
Chromium	10	1	1		
Cobalt	50	.2	.2		
Copper	25	1	1		
Iron	300	17	17		
Lead	5.0	1	1.1	1.1	<5.0
Magnesium	5000	35	35		
Manganese	15	.5	1		
Molybdenum	50	.3	.3		
Nickel	40	.4	.4		
Potassium	10000	200	200		
Selenium	10	2.4	2.9		
Silver	10	.7	.7		
Sodium	10000	500	500		
Strontium	10	.5	.5		
Thallium	10	1.1	1.4		
Tin	50	.9	1		
Titanium	10	.5	1		
Vanadium	50	.5	.6		
Zinc	20	3	4.4		

Associated samples MP30076: FA31931-32

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.4.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30076
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/08/16 03/08/16

Metal	FA31919-1 Original	DUP	RPD	QC Limits	FA31919-1 Original MS	Spikelot MPFLICP2 % Rec	QC Limits		
Aluminum									
Antimony	anr								
Arsenic									
Barium	anr								
Beryllium									
Cadmium									
Calcium	anr								
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	0.0	0.0	NC	0-20	0.0	514	500	102.8	80-120
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel									
Potassium									
Selenium									
Silver									
Sodium	anr								
Strontium									
Thallium									
Tin	anr								
Titanium									
Vanadium									
Zinc	anr								

Associated samples MP30076: FA31931-32

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.4.2
 6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30076
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/08/16

Metal	FA31919-1 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit		
Aluminum						
Antimony	anr					
Arsenic						
Barium	anr					
Beryllium						
Cadmium						
Calcium	anr					
Chromium	anr					
Cobalt						
Copper	anr					
Iron	anr					
Lead	0.0	518	500	103.6	0.8	20
Magnesium	anr					
Manganese	anr					
Molybdenum	anr					
Nickel						
Potassium						
Selenium						
Silver						
Sodium	anr					
Strontium						
Thallium						
Tin	anr					
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP30076: FA31931-32

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.4.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30076
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/08/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony	anr			
Arsenic				
Barium	anr			
Beryllium				
Cadmium				
Calcium	anr			
Chromium	anr			
Cobalt				
Copper	anr			
Iron	anr			
Lead	518	500	103.6	80-120
Magnesium	anr			
Manganese	anr			
Molybdenum	anr			
Nickel				
Potassium				
Selenium				
Silver				
Sodium	anr			
Strontium				
Thallium				
Tin	anr			
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP30076: FA31931-32

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.3
6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30076
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/08/16

Metal	FA31919-1	Original	SDL 1:5	%DIF	QC Limits
Aluminum					
Antimony	anr				
Arsenic					
Barium	anr				
Beryllium					
Cadmium					
Calcium	anr				
Chromium	anr				
Cobalt					
Copper	anr				
Iron	anr				
Lead	0.00	0.00	NC		0-10
Magnesium	anr				
Manganese	anr				
Molybdenum	anr				
Nickel					
Potassium					
Selenium					
Silver					
Sodium	anr				
Strontium					
Thallium					
Tin	anr				
Titanium					
Vanadium					
Zinc	anr				

Associated samples MP30076: FA31931-32

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30076
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date:

03/08/16

Metal	Sample ml	Final ml	FA31919-1 Raw	PS Corr.** ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	9.8	10		48.7	0.2	2.5	50	97.4	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP30076: FA31931-32

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (**) Corr. sample result = Raw * (sample volume / final volume)
 (anr) Analyte not requested

6.4.5
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA31931
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30214
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 04/06/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.4	3.5		
Antimony	2.0	.1	.13		
Arsenic	1.0	.13	.2		
Barium	20	.1	.1		
Beryllium	0.50	.02	.05		
Cadmium	0.40	.02	.05		
Calcium	500	5	5		
Chromium	1.0	.1	.1		
Cobalt	5.0	.02	.05		
Copper	2.5	.1	.1		
Iron	30	1.7	1.7		
Lead	2.0	.1	.1	0.13	<2.0
Magnesium	500	3.5	3.6		
Manganese	1.5	.05	.05		
Molybdenum	5.0	.03	.05		
Nickel	4.0	.04	.05		
Potassium	1000	20	20		
Selenium	2.0	.24	.24		
Silver	1.0	.07	.082		
Sodium	1000	50	50		
Strontium	1.0	.05	.05		
Thallium	1.0	.11	.11		
Tin	5.0	.09	.09		
Titanium	1.0	.05	.05		
Vanadium	5.0	.05	.05		
Zinc	2.0	.3	.3		

Associated samples MP30214: FA31931-1, FA31931-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.5.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30214
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/06/16 04/06/16

Metal	FA31672-18		RPD	QC Limits	FA31672-18		RPD	QC Limits
	Original	DUP			Original	DUP		
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead	37.2	36.0	3.3	0-20	37.2	37.4	0.5	0-20
Magnesium								
Manganese								
Molybdenum								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Strontium								
Thallium								
Tin								
Titanium								
Vanadium								
Zinc								

Associated samples MP30214: FA31931-1, FA31931-4

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.5.2
 6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30214
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/06/16

Metal	FA31672-18 Original MS	Spikelot MPFLICP2 % Rec	QC Limits
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead	37.2 46.3	9.36	97.2 80-120
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

Associated samples MP30214: FA31931-1, FA31931-4

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.5.2
 6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30214
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/06/16

Metal	FA31672-18 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	37.2 45.1	9.42 83.9	2.6	20
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30214: FA31931-1, FA31931-4

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.5.2
 6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30214
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/06/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	9.3	10	93.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30214: FA31931-1, FA31931-4

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.5.3
6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30214
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 04/06/16

Metal	FA31672-18	QC
	Original SDL 5:25 %DIF	Limits

Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	1970	1940	1.4	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30214: FA31931-1, FA31931-4

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.5.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30214
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date:

04/06/16

Metal	Sample ml	Final ml	FA31672-18 Raw	PS Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead	9.8	10	1965	1925.7	1911	0.2	2.5	50	-29.4*(a	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP30214: FA31931-1, FA31931-4

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(**) Corr. sample result = Raw * (sample volume / final volume)

(anr) Analyte not requested

(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

6.5.5
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA31931
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30219
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 04/07/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.4	3.5		
Antimony	2.0	.1	.13		
Arsenic	1.0	.13	.2		
Barium	20	.1	.1		
Beryllium	0.50	.02	.05		
Cadmium	0.40	.02	.05		
Calcium	500	5	5		
Chromium	1.0	.1	.1		
Cobalt	5.0	.02	.05		
Copper	2.5	.1	.1		
Iron	30	1.7	1.7		
Lead	2.0	.1	.1	-0.036	<2.0
Magnesium	500	3.5	3.6		
Manganese	1.5	.05	.05		
Molybdenum	5.0	.03	.05		
Nickel	4.0	.04	.05		
Potassium	1000	20	20		
Selenium	2.0	.24	.24		
Silver	1.0	.07	.082		
Sodium	1000	50	50		
Strontium	1.0	.05	.05		
Thallium	1.0	.11	.11		
Tin	5.0	.09	.09		
Titanium	1.0	.05	.05		
Vanadium	5.0	.05	.05		
Zinc	2.0	.3	.3		

Associated samples MP30219: FA31931-7, FA31931-10, FA31931-13, FA31931-16, FA31931-20, FA31931-23, FA31931-26, FA31931-29

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.6.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30219
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/07/16 04/07/16

Metal	FA31931-7		RPD	QC Limits	FA31931-7		QC Limits
	Original	DUP			Original	DUP	
Aluminum							
Antimony							
Arsenic							
Barium							
Beryllium							
Cadmium							
Calcium							
Chromium							
Cobalt							
Copper							
Iron							
Lead	8.0	8.5	6.1	0-20	8.0	8.4	4.9 0-20
Magnesium							
Manganese							
Molybdenum							
Nickel							
Potassium							
Selenium							
Silver							
Sodium							
Strontium							
Thallium							
Tin							
Titanium							
Vanadium							
Zinc							

Associated samples MP30219: FA31931-7, FA31931-10, FA31931-13, FA31931-16, FA31931-20, FA31931-23, FA31931-26, FA31931-29

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.6.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30219
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/07/16

Metal	FA31931-7 Original MS	Spikelot MPFLICP2 % Rec	QC Limits
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead	8.0	17.5	9.92 95.8 80-120
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

Associated samples MP30219: FA31931-7, FA31931-10, FA31931-13, FA31931-16, FA31931-20, FA31931-23, FA31931-26, FA31931-29

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.6.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30219
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/07/16

Metal	FA31931-7 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit		
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead	8.0	16.8	9.42	93.4	4.1	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP30219: FA31931-7, FA31931-10, FA31931-13, FA31931-16, FA31931-20, FA31931-23, FA31931-26, FA31931-29

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.6.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30219
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/07/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	9.5	10	95.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30219: FA31931-7, FA31931-10, FA31931-13, FA31931-16, FA31931-20, FA31931-23, FA31931-26, FA31931-29

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.6.3
9

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30219
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 04/07/16

Metal	FA31931-7	QC
	Original SDL 5:25 %DIF	Limits

Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	420	432	2.9	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30219: FA31931-7, FA31931-10, FA31931-13, FA31931-16, FA31931-20, FA31931-23, FA31931-26, FA31931-29

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.6.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA31931
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30219
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date:

04/07/16

Metal	Sample ml	Final ml	FA31931-7 Raw	PS Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead	9.8	10	419.5	411.11	476	0.2	2.5	50	129.8*(a)	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP30219: FA31931-7, FA31931-10, FA31931-13, FA31931-16, FA31931-20, FA31931-23, FA31931-26, FA31931-29

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(**) Corr. sample result = Raw * (sample volume / final volume)

(anr) Analyte not requested

(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

6.6.5
6

Instrument Detection Limits

Job Number: FA31931
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1	Effective Date: 01/27/15
-------------------------	--------------------------

Analyte	IDL ug/l
Aluminum	14
Antimony	1
Arsenic	1.3
Barium	1
Beryllium	.2
Cadmium	.2
Calcium	50
Chromium	1
Cobalt	.2
Copper	1
Iron	17
Lead	1
Magnesium	35
Manganese	.5
Molybdenum	.3
Nickel	.4
Potassium	200
Selenium	2.4
Silicon	5
Silver	.7
Sodium	500
Strontium	.5
Sulfur	5
Thallium	1.1
Tin	.9
Titanium	.5
Vanadium	.5
Zinc	3

The above applies to the following instrument runs:
MA13017,MA13079

6.7
6

Instrument Detection Limits

Job Number: FA31931
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE2	Effective Date: 01/27/15
-------------------------	--------------------------

Analyte	IDL ug/l
Aluminum	14
Antimony	1
Arsenic	1.3
Barium	1
Beryllium	.2
Cadmium	.2
Calcium	50
Chromium	1
Cobalt	.2
Copper	1
Iron	17
Lead	1
Magnesium	35
Manganese	.5
Molybdenum	.3
Nickel	.4
Potassium	200
Selenium	2.4
Silicon	5
Silver	.7
Sodium	500
Strontium	.5
Sulfur	5
Thallium	1.1
Tin	.9
Titanium	.5
Vanadium	.5
Zinc	3

The above applies to the following instrument runs:
MA13082

6.7
6

Instrument Linear Ranges

Job Number: FA31931
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1

Effective Date: 08/13/13

Analyte	Linear Range ug/l
Aluminum	500000
Antimony	10000
Arsenic	10000
Barium	10000
Beryllium	10000
Cadmium	10000
Calcium	500000
Chromium	10000
Cobalt	10000
Copper	10000
Iron	500000
Lead	10000
Magnesium	500000
Manganese	10000
Molybdenum	10000
Nickel	10000
Potassium	80000
Selenium	10000
Silver	1000
Sodium	80000
Strontium	10000
Sulfur	10000
Thallium	10000
Tin	10000
Titanium	10000
Vanadium	10000
Zinc	10000

The above applies to the following instrument runs:
MA13017,MA13079

Instrument Linear Ranges

Job Number: FA31931
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE2 Effective Date: 10/22/10

Analyte	Linear Range ug/l
Aluminum	500000
Antimony	10000
Arsenic	10000
Barium	10000
Beryllium	10000
Cadmium	10000
Calcium	500000
Chromium	10000
Cobalt	10000
Copper	10000
Iron	500000
Lead	10000
Magnesium	500000
Manganese	10000
Molybdenum	10000
Nickel	10000
Potassium	80000
Selenium	10000
Silver	1000
Sodium	80000
Strontium	10000
Thallium	10000
Tin	10000
Titanium	10000
Vanadium	10000
Zinc	10000

The above applies to the following instrument runs:
MA13082

Metals Analysis

Raw Data

Sample Name: Blank Acquired: 3/8/2016 9:14:04 Type: Cal
Method: 60102007_042011(v909) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0002	-0.0003	-0.0006	.0011	.0002	.0020	-0.0011	-0.0006	-0.0001
Stddev	.0002	.0009	.0000	.0026	.0009	.0003	.0001	.0002	.0002
%RSD	97.92	289.1	2.784	238.0	603.1	13.87	8.930	39.16	126.5
#1	.0000	-0.0013	-0.0006	-0.0019	-0.0006	.0024	-0.0012	-0.0003	-0.0002
#2	.0004	.0001	-0.0006	.0027	.0012	.0019	-0.0010	-0.0007	.0001
#3	.0002	.0003	-0.0006	.0024	-0.0002	.0018	-0.0011	-0.0008	-0.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0016	.0012	-0.0073	.0000	.0006	.0011	-0.0204	-0.0001	-0.0003
Stddev	.0001	.0004	.0029	.0000	.0001	.0000	.0048	.0001	.0002
%RSD	3.775	31.13	39.36	308.3	8.686	3.419	23.60	88.79	64.67
#1	.0015	.0013	-0.0090	-0.0001	.0007	.0011	-0.0240	-0.0002	-0.0005
#2	.0015	.0015	-0.0089	-0.0001	.0006	.0010	-0.0223	-0.0001	-0.0003
#3	.0016	.0008	-0.0040	.0001	.0005	.0011	-0.0149	.0000	-0.0001
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0006	-0.0008	.0005	.0003	.0018	.0014	-0.0008	-0.0007	.0009
Stddev	.0001	.0002	.0001	.0001	.0008	.0001	.0001	.0001	.0003
%RSD	15.41	25.39	2.085	35.80	45.03	4.743	15.37	10.64	28.29
#1	.0007	-0.0009	.0056	.0004	.0010	.0014	-0.0010	-0.0008	.0012
#2	.0005	-0.0006	.0055	.0002	.0018	.0015	-0.0008	-0.0006	.0008
#3	.0007	-0.0008	.0054	.0002	.0026	.0015	-0.0008	-0.0008	.0008
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	3012.9	5827.3	4325.0	3413.8					
Stddev	4.6	4.9	69.	13.8					
%RSD	.15169	.08468	.15869	.40356					
#1	3013.5	5821.6	4317.6	3401.0					
#2	3008.1	5830.5	4326.2	3428.4					
#3	3017.1	5829.7	4331.1	3412.0					

Raw Data MA13017 page 1 of 94

Sample Name: LowStd Acquired: 3/8/2016 9:18:37 Type: Cal
Method: 60102007_042011(v909) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0384	2.199	.0896	3.749	5.944	2.917	2.476	1.277	2.842
Stddev	.0003	.005	.0007	.004	.004	.004	.003	.002	.0010
%RSD	.6988	.2428	.8283	.1034	.0656	.1540	.1300	.1766	.3638
#1	.0382	2.193	.0887	3.751	5.941	2.913	2.473	1.275	2.832
#2	.0387	2.201	.0900	3.751	5.948	2.922	2.479	1.279	2.841
#3	.0384	2.203	.0900	3.745	5.942	2.917	2.476	1.276	2.853
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4153	1.931	1.037	2.988	1.355	5.343	4.208	1.817	4.392
Stddev	.0005	.004	.002	.0012	.003	.0008	.020	.0012	.0020
%RSD	.1238	.2039	.1582	.4134	.2310	.1470	.4826	.1458	.4661
#1	.4151	1.932	1.036	2.988	1.353	5.345	4.185	1.817	4.395
#2	.4159	1.927	1.035	3.000	1.353	5.350	4.218	1.820	4.410
#3	.4149	1.935	1.038	2.976	1.358	5.335	4.221	1.813	4.370
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1220	.0619	1.563	2.049	8.066	1.084	1.492	3.843	1.361
Stddev	.0001	.0003	.0003	.0002	.024	.003	.0008	.0009	.001
%RSD	.1186	.5072	.2069	.0868	.3011	.3097	.5305	.2285	.0733
#1	.1220	.0617	1.566	2.047	8.046	1.081	1.499	3.834	1.361
#2	.1219	.0618	1.559	2.051	8.058	1.083	1.484	3.843	1.362
#3	.1222	.0623	1.563	2.049	8.093	1.088	1.494	3.852	1.360
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2797.0	5746.6	4223.0	3395.1					
Stddev	4.9	1.5	209.	22.4					
%RSD	.17443	.02603	.49397	.66075					
#1	2791.7	5747.5	42395.	3404.8					
#2	2798.2	5744.8	42298.	3369.5					
#3	2801.2	5747.3	41995.	3411.0					

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Sample Name: MidStd Acquired: 3/8/2016 9:22:06 Type: Cal
Method: 60102007_042011(v909) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1330	8.353	3.761	15.57	24.23	10.94	10.03	5.162	1.145
Stddev	.0002	.034	.0007	.07	.15	.07	.01	.002	.002
%RSD	.1644	.4119	.1952	.4354	.6104	.6342	.0978	.0438	.1448
#1	.1328	8.381	3.762	15.59	24.36	11.00	10.02	5.160	1.147
#2	.1332	8.314	3.753	15.49	24.07	10.87	10.04	5.162	1.144
#3	.1329	8.363	3.768	15.62	24.26	10.95	10.04	5.164	1.146
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.686	7.046	3.991	1.134	5.442	2.228	16.01	3.284	1.839
Stddev	.009	.052	.020	.009	.040	.004	.09	.004	.003
%RSD	.5606	.7424	.4904	.7837	.7422	.1609	.5795	.1184	.1631
#1	1.691	7.092	4.006	1.143	5.395	2.225	16.07	3.280	1.836
#2	1.692	6.989	3.969	1.125	5.469	2.228	15.91	3.288	1.842
#3	1.675	7.057	3.998	1.133	5.461	2.232	16.07	3.285	1.839
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.5034	2.603	6.151	8.416	33.36	4.493	6.198	1.595	5.492
Stddev	.0004	.0003	.0005	.0013	.17	.009	.0027	.003	.011
%RSD	.0704	.1247	.0886	.1489	.4956	.1889	.4428	.1829	.2073
#1	.5034	2.600	6.154	8.401	33.47	4.502	6.168	1.598	5.480
#2	.5037	2.606	6.144	8.425	33.17	4.492	6.221	1.596	5.502
#3	.5030	2.604	6.154	8.421	33.44	4.485	6.206	1.592	5.495
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2527.1	5491.3	4059.7	3335.7					
Stddev	2.4	4.2	101.	31.1					
%RSD	.09312	.07652	.24898	.93223					
#1	2527.5	5489.2	4048.1	3305.0					
#2	2529.3	5496.2	4064.3	3367.2					
#3	2524.6	5488.6	4066.6	3335.0					

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Sample Name: HighStd Acquired: 3/8/2016 9:26:45 Type: Cal
Method: 60102007_042011(v909) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.714	16.71	7.742	31.74	48.13	21.81	20.02	10.32	2.241
Stddev	.0006	.04	.0034	.05	.12	.05	.09	.04	.003
%RSD	.2145	.2118	.4365	.1619	.2495	.2462	.4361	.4242	.1412
#1	2.707	16.68	7.703	31.71	48.03	21.76	19.92	10.27	2.245
#2	2.718	16.75	7.766	31.80	48.26	21.81	20.04	10.33	2.239
#3	2.716	16.70	7.755	31.71	48.09	21.86	20.09	10.36	2.239
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.377	14.18	8.062	2.236	10.55	4.412	32.26	6.569	3.826
Stddev	.011	.05	.017	.009	.05	.021	.04	.027	.011
%RSD	.3369	.3348	.2120	.4015	.4484	.4833	.1302	.4089	.2743
#1	3.378	14.13	8.043	2.226	10.59	4.389	32.21	6.538	3.814
#2	3.365	14.23	8.076	2.242	10.56	4.416	32.28	6.581	3.834
#3	3.388	14.18	8.068	2.241	10.50	4.431	32.28	6.587	3.830
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.030	5.335	1.273	1.646	66.18	8.700	1.268	3.146	10.98
Stddev	.005	.00							

Sample Name: HSTD Acquired: 3/8/2016 9:33:02 Type: QC
 Method: 60102007_042011(v909) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4951	79.98	3.967	3.990	4.007	79.50	3.930	3.923	4.015
Stddev	.0025	.17	.013	.010	.012	.19	.004	.006	.006
%RSD	.5053	.2174	.3192	.2550	.2909	.2449	.1112	.1433	.1392

#1	.4974	79.78	3.978	3.994	3.994	79.42	3.934	3.930	4.018
#2	.4953	80.07	3.971	3.998	4.010	79.36	3.930	3.920	4.009
#3	.4924	80.09	3.953	3.978	4.017	79.72	3.926	3.920	4.019

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.983	79.89	80.19	80.16	3.949	3.927	79.90	3.928	4.004
Stddev	.010	.10	.07	.19	.028	.009	.09	.003	.005
%RSD	.2515	.1202	.0824	.2308	.7014	.2390	.1065	.0692	.1288

#1	3.989	79.78	80.14	80.15	3.980	3.938	79.81	3.931	3.998
#2	3.987	79.93	80.27	79.97	3.938	3.924	79.96	3.926	4.007
#3	3.971	79.95	80.16	80.34	3.928	3.921	79.94	3.926	4.007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.949	3.940	3.943	3.910	3.999	3.973	3.971	3.993	3.968
Stddev	.013	.008	.008	.001	.007	.022	.010	.005	.002
%RSD	.3208	.2133	.2137	.0273	.1656	.5493	.2464	.1213	.0481

#1	3.964	3.942	3.952	3.910	3.992	3.980	3.962	3.990	3.968
#2	3.943	3.931	3.936	3.911	4.005	3.948	3.982	3.991	3.970
#3	3.941	3.947	3.940	3.909	4.000	3.990	3.969	3.999	3.966

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 3/8/2016 9:33:02 Type: QC
 Method: 60102007_042011(v909) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2331.0	5306.7	39284.	3234.0
Stddev	3.8	11.4	78.	4.4
%RSD	.16088	.21551	.19813	.13635

#1	2332.8	5295.6	39364.	3237.1
#2	2333.6	5318.5	39277.	3235.9
#3	2326.7	5306.1	39209.	3228.9

Sample Name: ICV Acquired: 3/8/2016 9:40:13 Type: QC
 Method: 60102007_042011(v909) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2554	41.89	1.993	2.059	2.093	42.93	2.040	2.041	2.066
Stddev	.0007	.06	.005	.011	.006	.15	.004	.004	.002
%RSD	.2672	.1431	.2357	.5239	.3058	.3499	.1864	.2145	.1181

#1	.2561	41.85	1.993	2.067	2.092	42.86	2.036	2.036	2.065
#2	.2548	41.96	1.989	2.065	2.101	43.10	2.041	2.042	2.064
#3	.2552	41.86	1.998	2.047	2.088	42.83	2.043	2.044	2.069

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.015	41.64	42.56	43.42	2.107	1.905	42.94	2.054	2.013
Stddev	.006	.11	.10	.18	.017	.003	.14	.001	.003
%RSD	.2992	.2659	.2298	.4146	.7867	.1620	.3143	.0701	.1317

#1	2.012	41.61	42.54	43.33	2.106	1.903	43.01	2.052	2.010
#2	2.011	41.77	42.67	43.63	2.091	1.905	43.04	2.055	2.015
#3	2.022	41.55	42.48	43.31	2.124	1.909	42.79	2.055	2.014

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.008	2.031	.0986	2.042	1.939	1.979	2.080	1.920	2.070
Stddev	.005	.007	.0016	.004	.006	.006	.003	.005	.002
%RSD	.2535	.3521	1.642	.1690	.2908	.2882	.1497	.2721	.1013

#1	2.003	2.023	.1001	2.038	1.942	1.973	2.083	1.914	2.068
#2	2.006	2.034	.0969	2.043	1.942	1.978	2.077	1.921	2.072
#3	2.013	2.037	.0987	2.044	1.932	1.984	2.080	1.924	2.071

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 3/8/2016 9:40:13 Type: QC
 Method: 60102007_042011(v909) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2492.6	5446.0	40018.	3226.9
Stddev	8.0	8.5	127.	2.6
%RSD	.32107	.15519	.31645	.07946

#1	2488.5	5444.3	40079.	3224.5
#2	2501.9	5455.1	40102.	3226.7
#3	2487.6	5438.4	39872.	3229.6

Sample Name: ICB Acquired: 3/8/2016 9:47:46 Type: QC
 Method: 60102007_042011(v909) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0155	.0000	.0000	.0000	.0006	.0000	.0000	-0.004
Stddev	.0002	.0059	.0007	.000	.000	.0015	.0000	.000	.0001
%RSD	85.62	38.20	3824.	2293.	314.7	236.0	194.2	253.0	18.11

#1	-0.003	.0198	.0008	-0.004	.0000	.0016	.0000	.0000	-0.004
#2	.0000	.0180	-0.005	.0001	.0000	-0.011	.0001	.0001	-0.003
#3	-0.003	.0087	-0.002	.0002	-0.001	.0014	.0000	-0.002	-0.004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0038	.0294	-0.043	-0.001	.0004	.0115	.0001	.0003
Stddev	.0002	.0041	.0018	.0048	.0000	.0002	.0014	.0000	.0005
%RSD	157.0	107.7	6.152	110.7	34.76	42.34	12.09	43.19	142.3

#1	.0000	.0074	.0292	-0.099	-0.001	.0006	.0099	.0001	.0008
#2	-0.003	.0048	.0313	-0.016	-0.001	.0004	.0119	.0002	-0.001
#3	.0000	-0.007	.0277	-0.015	-0.001	.0002	.0125	.0001	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.008	.0011	.0047	.0002	-0.001	.0003	-0.006	-0.002	-0.001
Stddev	.0002	.0005	.0003	.0000	.0001	.0001	.0005	.0002	.0001
%RSD	20.36	42.32	5.907	6.756	88.63	18.67	80.20	143.6	68.44

#1	-0.009	.0009	.0050	.0002	.0000	.0003	-0.011	.0001	.0000
#2	-0.007	.0017	.0045	.0002	-0.002	.0003	-0.007	-0.002	-0.002
#3	-0.006	.0009	.0046	.0002	-0.001	.0002	-0.001	-0.004	-0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 3/8/2016 9:47:46 Type: QC
 Method: 60102007_042011(v909) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3005.7	5830.7	43107.	3410.4
Stddev	4.6	7.8	96.	5.4
%RSD	.15193	.13419	.22206	.15898

#1	3011.0	5829.1	43010.	3415.7
#2	3003.3	5823.8	43109.	3410.6
#3	3002.8	5839.2	43202.	3404.8

Sample Name: CRIA Acquired: 3/8/2016 9:59:44 Type: QC
 Method: 60102007_042011(v909) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0088	.2174	.0105	.2026	.0051	1.043	.0053	.0531	.0104
Stddev	.0006	.0116	.0001	.0013	.0001	.009	.0000	.0003	.0001
%RSD	7.286	5.341	1.180	.6341	2.404	.8993	.7553	.6277	1.292

#1	.0084	.2163	.0104	.2012	.0050	1.048	.0053	.0527	.0104
#2	.0085	.2063	.0105	.2035	.0050	1.048	.0053	.0531	.0105
#3	.0095	.2295	.0106	.2032	.0052	1.032	.0054	.0534	.0103

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0263	.3133	10.15	5.245	.0160	.0487	10.30	.0428	.0052
Stddev	.0004	.0054	.05	.033	.0001	.0005	.02	.0003	.0001
%RSD	1.622	1.730	4.505	.6366	.4253	1.000	.2122	.7607	1.330

#1	.0267	.3116	10.14	5.275	.0161	.0485	10.28	.0425	.0052
#2	.0258	.3090	10.20	5.252	.0159	.0484	10.32	.0427	.0051
#3	.0262	.3194	10.11	5.209	.0160	.0493	10.28	.0431	.0052

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049	.0107	.0463	.0527	.0100	.0102	.0093	.0483	.0216
Stddev	.0002	.0007	.0009	.0004	.0001	.0001	.0005	.0003	.0001
%RSD	3.359	6.242	2.000	.8193	.6406	1.250	5.557	.6284	.4825

#1	.0048	.0106	.0454	.0522	.0101	.0102	.0087	.0485	.0214
#2	.0048	.0114	.0473	.0528	.0099	.0101	.0096	.0479	.0216
#3	.0051	.0101	.0462	.0530	.0100	.0103	.0095	.0484	.0216

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 3/8/2016 9:59:44 Type: QC
 Method: 60102007_042011(v909) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2862.9	5752.9	42659.	3409.8
Stddev	14.7	32.7	161.	4.3
%RSD	.51344	.56805	.37732	.12701

#1	2871.1	5770.9	42535.	3410.9
#2	2871.7	5772.7	42841.	3405.0
#3	2846.0	5715.2	42601.	3413.5

Sample Name: ICSEA Acquired: 3/8/2016 10:09:09 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	482.3	.0000	.0000	.0002	473.8	.0000	.0000	.0005
Stddev	.000	4.7	.0004	.0006	.0001	4.6	.000	.0001	.0001
%RSD	1519.	.9699	1104.	2428.	58.25	.9664	1239.	209.2	17.61

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	178.4	.6862	508.3	.0007	.0000	.7388	.0000	.0001
Stddev	.0006	.1	.0077	1.6	.0000	.000	.0061	.000	.0013
%RSD	50.21	.0841	1.115	.3104	4.480	1607.	.8290	994.4	2611.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	-0.001	.0229	F .0029	.0005	.0004	.0017	.0000	.0001
Stddev	.0007	.0015	.0020	.0002	.0000	.0000	.0009	.000	.0002
%RSD	55.00	2622.	8.665	7.467	4.023	10.78	54.11	850.4	178.2

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSEA Acquired: 3/8/2016 10:09:09 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2274.5	5142.9	36581.	3115.7
Stddev	2.2	.6	156.	1.9
%RSD	.09553	.01091	.42699	.06213

#1 2272.3 5143.0 36584. 3114.1
 #2 2274.6 5142.2 36424. 3117.9
 #3 2276.7 5143.3 36736. 3115.3

7.1
7

Sample Name: ICSAB Acquired: 3/8/2016 10:16:53 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.061	505.8	1.080	.5125	.5165	494.1	.9627	.4730	.5195
Stddev	.000	8.6	.002	.0014	.0004	4.4	.0015	.0011	.0039
%RSD	.0240	1.710	.1597	.2749	.0827	.8971	.1563	.2230	.7497

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5506	190.5	.0998	532.7	.5221	.9275	.1736	.9573	.9628
Stddev	.0025	.3	.0310	2.1	.0013	.0030	.0072	.0006	.0026
%RSD	.4589	.1822	31.04	.3996	.2408	.3244	4.160	.0586	.2739

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.015	1.018	.2906	.9295	1.020	1.015	.9602	.4742	.9698
Stddev	.005	.006	.0006	.0005	.002	.002	.0015	.0020	.0009
%RSD	.5079	.6417	.1906	.0555	.1632	.2195	.1558	.4293	.0889

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 3/8/2016 10:16:53 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2221.4	5096.0	36586.	3095.7
Stddev	4.6	16.6	182.	11.1
%RSD	.20703	.32670	.49827	.35895

#1 2217.9 5081.2 36781. 3101.9
 #2 2226.6 5114.0 36420. 3082.8
 #3 2219.6 5092.9 36558. 3102.3

Sample Name: CCV Acquired: 3/8/2016 10:22:29 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.452	39.49	1.974	1.970	2.003	40.08	1.995	1.976	2.037
Stddev	.0008	.16	.006	.012	.009	.25	.006	.008	.002
%RSD	.3282	.3942	.3086	.5819	.4395	.6317	.2972	.3863	.0738
#1	.2457	39.47	1.974	1.965	2.008	40.20	1.998	1.980	2.035
#2	.2443	39.35	1.980	1.962	1.993	39.79	1.999	1.981	2.037
#3	.2456	39.66	1.968	1.983	2.008	40.25	1.988	1.967	2.038

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.023	39.29	40.35	40.31	2.076	1.989	40.18	1.998	1.982
Stddev	.012	.16	.12	.29	.001	.006	.16	.004	.002
%RSD	.5927	.4130	.2980	.7275	.0679	.2975	.3993	.1972	.0782
#1	2.034	39.33	40.33	40.46	2.077	1.990	40.14	2.000	1.983
#2	2.025	39.11	40.24	39.97	2.076	1.995	40.04	2.001	1.981
#3	2.010	39.43	40.48	40.49	2.074	1.983	40.35	1.994	1.983

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.967	1.966	1.939	2.045	2.011	2.054	1.999	2.045	2.019
Stddev	.004	.007	.007	.004	.007	.005	.002	.002	.001
%RSD	.1969	.3507	.3718	.1907	.3333	.2486	.1070	.0859	.0567
#1	1.970	1.964	1.943	2.048	2.008	2.057	1.998	2.046	2.019
#2	1.969	1.973	1.944	2.048	2.007	2.057	1.998	2.046	2.020
#3	1.962	1.960	1.931	2.041	2.019	2.048	2.002	2.043	2.018

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/8/2016 10:22:29 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2543.4	5597.5	40728.	3261.4
Stddev	1.2	17.2	69.	16.9
%RSD	.04684	.30728	.16939	.51754
#1	2542.6	5595.6	40808.	3263.5
#2	2544.7	5581.4	40685.	3277.2
#3	2542.8	5615.6	40692.	3243.6

Sample Name: CCB Acquired: 3/8/2016 10:30:59 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0107	.0004	-0.002	.0000	.0039	.0000	.0000	-0.002
Stddev	.0003	.0102	.0003	.0003	.0000	.0011	.0000	.000	.0001
%RSD	163.5	95.39	79.11	147.5	3867.	28.85	113.9	254.8	57.80
#1	-.0004	.0020	.0007	-.0003	.0000	.0026	.0000	.0000	-.0004
#2	-.0002	.0219	.0001	.0001	.0000	.0048	.0000	.0000	-.0002
#3	.0001	.0081	.0004	-.0005	.0000	.0042	.0001	-.0001	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0049	.0514	-0.115	.0000	.0000	.0161	.0000	.0004
Stddev	.0001	.0023	.0562	.0030	.0000	.0001	.0074	.0000	.0006
%RSD	62.31	47.13	109.5	26.27	55.85	140.9	45.99	57.39	137.1
#1	.0001	.0076	.0655	-.0085	.0000	.0000	.0078	.0000	.0010
#2	.0001	.0040	-.0106	-.0116	.0000	.0001	.0220	.0000	.0004
#3	.0003	.0032	.0991	-.0145	.0000	.0000	.0186	.0000	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.001	-0.016	-0.001	.0000	.0000	-0.0012	-0.001	-0.001
Stddev	.0007	.0015	.0007	.0001	.000	.000	.0006	.0003	.0000
%RSD	525.8	1098.	41.68	74.73	2248.	3027.	52.04	224.5	66.65
#1	.0006	-.0018	-.0008	.0000	-.0001	.0000	-.0018	-.0001	.0000
#2	-.0007	.0012	-.0021	-.0001	.0000	.0001	-.0012	.0001	-.0001
#3	-.0003	.0001	-.0019	-.0001	.0000	-.0001	-.0006	-.0004	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/8/2016 10:30:59 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3016.8	5848.7	42689.	3221.3
Stddev	3.2	3.6	66.	15.0
%RSD	.10587	.06173	.15350	.46553
#1	3013.2	5844.8	42623.	3210.9
#2	3018.2	5851.8	42754.	3238.5
#3	3019.1	5849.6	42690.	3214.4

Sample Name: FA31887-11 Acquired: 3/8/2016 10:37:25 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0109	31.49	.0142	.1590	.0018	92.96	.0100	.0235	.2420
Stddev	.0029	.43	.0028	.0016	.0007	.51	.0002	.0011	.0021
%RSD	26.06	1.355	19.80	1.035	41.29	.5475	1.787	4.803	.8848
#1	.0088	31.62	.0110	.1598	.0021	92.94	.0099	.0245	.2442
#2	.0142	31.84	.0164	.1571	.0022	93.48	.0102	.0223	.2417
#3	.0098	31.02	.0152	.1600	.0009	92.47	.0098	.0237	.2399
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	F 55.31	42.40	1.650	3.042	.7806	.0092	.8570	4.934	2.408
Stddev	.08	.35	.362	.155	.0022	.0015	.0813	.0023	.009
%RSD	.1375	.8200	21.94	5.096	.2879	16.32	9.482	.4645	.3845
#1	55.33	42.66	1.233	3.130	.7785	.0109	.8630	.4915	2.407
#2	55.22	42.54	1.834	3.132	.7802	.0087	.7729	.4927	2.399
#3	55.37	42.01	1.883	2.863	.7830	.0080	.9350	.4959	2.417
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0075	.0096	1.500	.3813	.1110	.6206	-0.0108	.0630	F 67.35
Stddev	.0049	.0151	.002	.0018	.0017	.0004	.0032	.0011	.11
%RSD	65.64	156.8	.1269	.4768	1.539	0.060	29.16	1.789	.1643
#1	-0.0019	-0.0066	1.501	.3831	.1125	.6208	-0.0094	.0632	67.38
#2	-0.0109	.0232	1.500	.3812	.1114	.6201	-0.0144	.0641	67.22
#3	-0.0097	.0123	1.498	.3795	.1091	.6208	-0.0086	.0618	67.44
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2937.5	5888.4	43197.	3316.0					
Stddev	6.2	7.5	114.	33.1					
%RSD	.21180	.12728	.26468	.99953					
#1	2930.9	5879.8	43074.	3316.7					
#2	2938.5	5892.3	43300.	3282.5					
#3	2943.2	5893.1	43215.	3348.8					

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Sample Name: FA31909-1 Acquired: 3/8/2016 10:41:45 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0016	.1456	-0.0024	.0155	-0.0003	39.42	-0.0002	.0003	.0068
Stddev	.0011	.0121	.0033	.0011	.0002	.18	.0002	.0003	.0008
%RSD	67.62	8.310	139.4	7.360	68.74	.4670	76.18	101.1	12.36
#1	-0.0011	.1568	.0009	.0156	-0.0001	39.50	-0.0003	.0006	.0075
#2	-0.0008	.1328	-0.0058	.0143	-0.0003	39.54	-0.0004	.0003	.0070
#3	-0.0028	.1470	-0.0022	.0166	-0.0005	39.20	.0000	.0000	.0059
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0339	1.354	38.21	6.746	.0463	.0001	350.1	.0065	.0040
Stddev	.0011	.026	.18	.051	.0001	.0002	1.2	.0002	.0001
%RSD	3.309	1.913	.4698	.7582	.3072	156.4	.3510	3.393	2.540
#1	.0326	1.370	38.09	6.729	.0464	.0003	349.7	.0065	.0042
#2	.0347	1.368	38.41	6.804	.0463	.0002	351.5	.0068	.0039
#3	.0343	1.324	38.11	6.706	.0462	-0.0001	349.2	.0063	.0040
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0031	.0027	6.117	.0028	.1693	.0044	-0.0098	-0.0003	.1542
Stddev	.0044	.0057	.023	.0004	.0008	.0003	.0028	.0007	.0005
%RSD	142.0	207.8	.3757	14.22	.4731	7.819	28.78	257.8	.2932
#1	-0.0072	.0007	6.091	.0032	.1693	.0048	-0.0068	-0.0011	.1545
#2	-0.0037	-0.0017	6.125	.0026	.1701	.0043	-0.0103	.0004	.1545
#3	.0016	.0091	6.135	.0025	.1685	.0042	-0.0124	-0.0002	.1537
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2735.0	5627.2	40975.	3326.1					
Stddev	6.0	16.7	117.	7.4					
%RSD	.21895	.29764	.28638	.22195					
#1	2733.8	5646.5	40841.	3334.5					
#2	2729.8	5616.7	41060.	3320.7					
#3	2741.6	5618.4	41024.	3323.1					

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7.1

Sample Name: FA31909-2 Acquired: 3/8/2016 10:46:10 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0037	.1240	.0080	.0001	-0.0008	44.98	-0.0002	.0001	-0.0016
Stddev	.0036	.0129	.0066	.0049	.0009	.11	.0001	.0002	.0027
%RSD	97.22	10.43	82.22	457.9	115.8	.2464	70.05	268.4	163.7
#1	.0069	.1197	.0033	.0036	-0.0004	44.95	-0.0001	.0003	-0.0040
#2	.0045	.1138	.0052	-0.0055	-0.0019	45.11	-0.0002	-0.0001	.0013
#3	-0.0002	.1386	.0155	.0023	-0.0001	44.89	-0.0004	.0001	-0.0022
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0012	.0500	61.43	6.280	-0.0006	-0.0049	662.3	.0004	.0029
Stddev	.0007	.0271	.49	.084	.0002	.0007	.9	.0004	.0022
%RSD	59.89	54.16	.7964	1.331	37.79	15.12	.1298	97.34	76.23
#1	.0007	.0377	61.20	6.214	-0.0007	-0.0056	663.1	.0008	.0019
#2	.0020	.0312	61.99	6.252	-0.0003	-0.0049	661.4	.0003	.0014
#3	.0009	.0810	61.09	6.374	-0.0008	-0.0041	662.3	.0001	.0054
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0011	-0.0027	6.502	-0.0030	.1497	.0004	-0.0062	-0.0025	.1673
Stddev	.0071	.0099	.008	.0015	.0004	.0007	.0113	.0020	.0014
%RSD	631.8	371.2	.1182	51.82	.2835	171.1	181.5	80.48	.8376
#1	.0044	.0073	6.510	-0.0013	.1500	.0009	-0.0158	-0.0008	.1684
#2	.0014	-0.0126	6.494	-0.0032	.1492	-0.0004	-0.0092	-0.0020	.1679
#3	-0.0092	-0.0028	6.502	-0.0044	.1500	.0008	.0063	-0.0047	.1657
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2745.6	5663.5	40722.	3223.8					
Stddev	12.5	7.8	104.	2.5					
%RSD	.45688	.13789	.25594	.07687					
#1	2754.6	5668.3	40791.	3224.6					
#2	2751.0	5667.7	40602.	3225.7					
#3	2731.3	5654.5	40773.	3221.0					

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Sample Name: FA31948-1 Acquired: 3/8/2016 10:50:37 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0012	.3644	-0.0057	.0230	-0.0002	44.77	.0000	.0002	.0045
Stddev	.0022	.0419	.0032	.0020	.0003	.08	.0003	.0001	.0012
%RSD	184.8	11.49	55.16	8.692	150.5	.1826	532.1	49.45	26.48
#1	-0.0021	.3374	-0.0090	.0252	-0.0001	44.80	.0001	.0002	.0033
#2	.0013	.3432	-0.0056	.0213	.0000	44.83	-0.0002	.0001	.0057
#3	-0.0028	.4126	-0.0026	.0224	-0.0006	44.68	.0003	.0003	.0044
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0362	1.565	91.27	9.967	.0299	-0.0006	301.9	.0042	.0045
Stddev	.0011	.010	.28	.135	.0003	.0005	.1	.0011	.0015
%RSD	2.939	.6434	.3055	1.350	.9517	95.45	.0423	26.74	33.26
#1	.0352	1.576	91.14	9.827	.0297	-0.0012	301.9	.0054	.0048
#2	.0373	1.561	91.59	9.979	.0303	-0.0001	302.0	.0040	.0029
#3	.0361	1.557	91.08	10.10	.0299	-0.0004	301.8	.0032	.0058
Elem	Sb2068	Se1960							

Sample Name: FA31948-2 Acquired: 3/8/2016 10:55:03 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0004	.1043	.0041	.0002	-0.0010	47.53	-0.0007	.0002	-0.0013
Stddev	.0015	.0692	.0048	.0045	.0002	.09	.0002	.0007	.0020
%RSD	380.5	66.40	117.5	211.4	20.48	.1855	34.58	279.5	156.2
#1	-.0021	.1807	-.0015	.0050	-.0007	47.54	-.0004	.0005	-.0031
#2	.0004	.0865	.0067	-.0038	-.0011	47.61	-.0009	-.0005	-.0015
#3	.0005	.0457	.0071	-.0006	-.0010	47.44	-.0008	.0008	.0008
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.0034	.0252	67.66	6.761	-0.0006	-0.0041	713.5	.0004	.0107
Stddev	.0007	.0124	.43	.143	.0003	.0007	2.8	.0016	.0054
%RSD	20.32	48.98	.6418	2.115	41.40	16.36	.3865	358.9	50.08
#1	.0033	.0332	68.16	6.908	-.0007	-.0044	716.3	-.0010	.0105
#2	.0042	.0314	67.37	6.752	-.0003	-.0034	710.8	.0003	.0055
#3	.0028	.0110	67.46	6.623	-.0008	-.0046	713.3	.0021	.0162
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.0001	-0.0115	6.986	-0.0026	.1573	.0009	-0.0100	-0.0029	-0.1136
Stddev	.0041	.0091	.030	.0019	.0005	.0013	.0074	.0018	.0005
%RSD	3205.	79.61	4.298	76.07	.3343	148.8	73.61	62.55	4.348
#1	-.0035	-.0127	6.952	-.0003	.1577	.0021	-.0030	-.0016	-.1136
#2	.0044	-.0200	6.993	-.0037	.1567	-.0005	-.0178	-.0050	-.1142
#3	-.0013	-.0018	7.011	-.0036	.1573	.0011	-.0093	-.0021	-.1132
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2739.5	5646.6	4121.6	3240.7					
Stddev	2.4	16.2	67.	3.5					
%RSD	.08750	.28685	.16270	.10946					
#1	2742.3	5659.9	4120.8	3241.9					
#2	2738.4	5628.5	4128.6	3243.4					
#3	2737.9	5651.4	4115.3	3236.7					

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Sample Name: FA31719-1 Acquired: 3/8/2016 10:59:31 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	48.33	.1196	.3656	.0005	13.95	.0042	.0093	.1158
Stddev	.0011	.25	.0063	.0029	.0006	.03	.0004	.0012	.0019
%RSD	2795.	.5105	5.246	.8012	112.4	.1984	9.892	12.66	1.622
#1	-.0012	48.19	.1217	.3677	.0008	13.98	.0047	.0098	.1180
#2	.0004	48.18	.1247	.3622	-.0001	13.92	.0039	.0080	.1148
#3	.0009	48.61	.1126	.3668	.0008	13.96	.0040	.0101	.1147
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.1196	81.21	7.210	7.333	.7744	.0082	1.893	.0837	18.85
Stddev	.0016	.25	.392	.162	.0008	.0006	.092	.0006	.02
%RSD	1.361	.3117	5.431	2.215	.1049	7.422	4.882	.7122	.0958
#1	.1195	81.27	7.582	7.273	.7735	.0075	1.986	.0832	18.87
#2	.1179	80.94	6.802	7.208	.7751	.0087	1.891	.0843	18.83
#3	.1212	81.44	7.246	7.516	.7747	.0084	1.801	.0835	18.86
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.1144	.0049	3.094	.0324	.1632	1.842	-0.0082	.3129	.3594
Stddev	.0103	.0045	.009	.0012	.0006	.007	.0056	.0017	.0005
%RSD	8.967	90.96	.2931	3.760	.3543	4.029	68.01	.5383	.1472
#1	.1138	.0085	3.085	.0315	.1636	1.847	-.0037	.3138	.3588
#2	.1249	-.0001	3.104	.0320	.1625	1.846	-.0064	.3140	.3595
#3	.1045	.0064	3.093	.0338	.1634	1.833	-.0144	.3110	.3598
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2945.3	5836.7	4345.4	3356.7					
Stddev	1.8	9.2	84.	14.5					
%RSD	.05973	.15717	.19430	.43134					
#1	2943.3	5845.5	4348.2	3367.9					
#2	2946.7	5827.2	4336.0	3361.9					
#3	2945.8	5837.4	4352.2	3340.4					

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7.1
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Sample Name: MP30074-D1 Acquired: 3/8/2016 11:03:52 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0013	48.86	.1266	.3818	.0009	14.62	.0048	.0115	.1119
Stddev	.0014	.11	.0049	.0022	.0010	.07	.0004	.0003	.0011
%RSD	113.7	2312	3.905	5.730	111.3	4.468	7.659	2.283	9.678
#1	.0026	48.85	.1279	.3802	-.0002	14.54	.0048	.0117	.1114
#2	-.0003	48.75	.1211	.3808	.0013	14.65	.0052	.0112	.1111
#3	.0015	48.98	.1308	.3843	.0016	14.65	.0044	.0116	.1131
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.1243	79.30	8.708	7.962	.8594	.0093	1.812	.0848	19.08
Stddev	.0019	.28	.118	.318	.0028	.0011	.061	.0004	.03
%RSD	1.565	.3479	1.355	3.990	.3295	11.75	3.391	.4895	.1376
#1	.1226	79.13	8.828	8.173	.8566	.0096	1.784	.0846	19.10
#2	.1264	79.16	8.705	7.597	.8622	.0080	1.769	.0853	19.05
#3	.1239	79.62	8.592	8.117	.8595	.0101	1.882	.0846	19.09
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0942	.0252	2.900	.0323	.1678	1.950	-0.0109	.3084	.4293
Stddev	.0048	.0142	.006	.0046	.0016	.003	.0025	.0017	.0009
%RSD	5.110	56.34	.2021	14.34	.9728	.1742	22.58	.5502	.2142
#1	.0941	.0338	2.907	.0330	.1659	1.948	-.0137	.3080	.4289
#2	.0990	.0088	2.896	.0273	.1688	1.953	-.0090	.3069	.4287
#3	.0894	.0329	2.897	.0365	.1686	1.947	-.0100	.3102	.4304
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2973.5	5903.8	4346.8	3339.4					
Stddev	3.2	2.3	70.	20.2					
%RSD	.10698	.03837	.16075	.60381					
#1	2969.8	5904.8	4351.7	3339.8					
#2	2975.0	5905.4	4349.9	3359.4					
#3	2975.6	5901.2	4338.8	3319.0					

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Sample Name: MP30074-S1 Acquired: 3/8/2016 11:08:12 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0536	76.22	2.174	2.516	.0569	42.01	.0596	.5640	.3206
Stddev	.0070	.27	.009	.013	.0008	.07	.0005	.0011	.0025
%RSD	13.11	.3563	.4379	.5051	1.432	.1757	.7666	.1969	.7944
#1	.0522	76.41	2.163	2.529	.0570	41.99	.0590	.5644	.3211
#2	.0612	75.91	2.182	2.504	.0561	41.95	.0599	.5648	.3228
#3	.0474	76.34	2.176	2.515	.0577	42.09	.0597	.5627	.3178
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4011	109.9	35.82	36.48	1.446	.5335	30.62	.6434	17.70
Stddev	.0005	.2	.44	.3					

Sample Name: MP30074-S2 Acquired: 3/8/2016 11:12:30 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0534	80.01	2.226	2.591	.0588	43.21	.0610	.5850	.3359
Stddev	.0005	.41	.009	.019	.0012	.18	.0002	.0014	.0024
%RSD	1.018	.5150	.4149	.7187	1.974	.4191	.2737	.2361	.7222
#1	.0528	79.64	2.216	2.572	.0589	43.02	.0612	.5837	.3387
#2	.0534	80.46	2.235	2.591	.0599	43.38	.0609	.5850	.3347
#3	.0539	79.94	2.226	2.609	.0576	43.23	.0610	.5864	.3343
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3987	111.7	36.23	37.03	1.339	5530	31.49	6653	17.58
Stddev	.0028	.4	.48	.37	.004	.0039	.12	.0019	.02
%RSD	.7016	.3697	1.315	1.012	.2874	.7046	.3713	.2820	.1095
#1	.4014	111.2	35.71	36.80	1.342	5486	31.36	6638	17.56
#2	.3990	112.0	36.65	37.47	1.340	5559	31.54	6647	17.58
#3	.3958	111.8	36.34	36.83	1.334	5545	31.58	6674	17.60
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.4035	2.180	3.672	6.145	.7281	2.381	2.195	.8314	.9210
Stddev	.0068	.020	.020	.0053	.0044	.009	.010	.0066	.0005
%RSD	1.684	.8939	.5439	.8611	.6088	.3978	4.707	.7986	.0573
#1	.4059	2.185	3.649	.6125	.7243	2.390	2.184	.8340	.9212
#2	.3958	2.158	3.687	.6104	.7330	2.381	2.195	.8364	.9204
#3	.4087	2.196	3.680	.6204	.7272	2.371	2.205	.8239	.9214
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2908.3	5863.4	43180.	3283.5					
Stddev	4.6	5.4	165.	13.7					
%RSD	.15771	.09239	.38264	.41722					
#1	2903.1	5868.9	42991.	3274.8					
#2	2911.7	5863.1	43299.	3276.3					
#3	2910.1	5858.1	43250.	3299.3					

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Sample Name: MP30074-PS1 Acquired: 3/8/2016 11:16:48 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0560	52.50	2.308	.6701	.0574	20.21	.0631	.0696	.1774
Stddev	.0023	.30	.0102	.0057	.0004	.13	.0002	.0010	.0022
%RSD	4.025	.5673	4.411	.8536	.7314	.6371	.3303	1.462	1.243
#1	.0585	52.19	2.271	.6660	.0575	20.16	.0630	.0695	.1790
#2	.0541	52.79	2.231	.6766	.0577	20.36	.0630	.0707	.1749
#3	.0556	52.52	2.242	.6676	.0569	20.12	.0634	.0687	.1784
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2409	87.01	18.91	13.47	.8539	.1192	13.33	.2072	19.44
Stddev	.0011	.44	.44	.41	.0002	.0001	.09	.0012	.01
%RSD	.4753	.5103	2.352	3.023	.0210	.0916	.6557	.5772	.0637
#1	.2397	86.60	18.93	13.12	.8538	.1193	13.36	.2062	19.45
#2	.2413	87.48	19.34	13.92	.8539	.1191	13.23	.2085	19.44
#3	.2419	86.95	18.45	13.38	.8541	.1191	13.40	.2070	19.43
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.2175	.1209	3.253	.0906	.2229	2.008	.1037	.3763	.6719
Stddev	.0080	.0046	.005	.0008	.0022	.005	.0104	.0030	.0015
%RSD	3.680	3.773	.1506	.8743	.9950	.2635	10.02	.7975	.2199
#1	.2263	.1158	3.255	.0914	.2203	2.013	.0976	.3796	.6732
#2	.2155	.1227	3.248	.0899	.2245	2.002	.1157	.3737	.6723
#3	.2107	.1244	3.258	.0904	.2238	2.008	.0977	.3756	.6703
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2935.6	5832.8	43676.	3336.4					
Stddev	3.3	10.5	64.	38.3					
%RSD	.11286	.18060	.14668	1.1489					
#1	2931.9	5822.1	43608.	3348.7					
#2	2938.1	5833.0	43736.	3293.5					
#3	2936.9	5843.2	43684.	3367.1					

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Sample Name: CCV Acquired: 3/8/2016 11:21:08 Type: QC
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.482	39.95	1.998	2.018	2.010	40.25	2.032	2.024	2.033
Stddev	.0011	.08	.004	.005	.003	.09	.006	.005	.001
%RSD	.4541	.1895	.2014	.2503	.1450	.2258	.2942	.2294	.0709
#1	.2493	40.00	2.001	2.021	2.010	40.19	2.037	2.028	2.034
#2	.2483	40.00	1.993	2.021	2.008	40.20	2.033	2.023	2.032
#3	.2470	39.87	1.999	2.012	2.013	40.35	2.025	2.019	2.033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.999	39.48	40.38	39.97	2.073	2.032	40.47	2.029	1.998
Stddev	.002	.09	.03	.22	.024	.003	.05	.003	.004
%RSD	.0831	.2379	.0754	.5490	1.134	.1443	.1302	.1516	.1952
#1	1.997	39.43	40.41	39.88	2.088	2.035	40.52	2.030	2.002
#2	2.001	39.43	40.35	39.81	2.046	2.033	40.42	2.032	1.997
#3	1.999	39.59	40.38	40.22	2.086	2.029	40.47	2.026	1.995
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.996	2.011	1.983	2.066	2.008	2.025	2.016	2.039	2.030
Stddev	.002	.003	.000	.004	.004	.002	.001	.003	.006
%RSD	.0806	.1294	.0201	.1795	.1892	.0939	.0661	.1365	.3167
#1	1.994	2.012	1.984	2.069	2.012	2.023	2.015	2.041	2.036
#2	1.997	2.013	1.983	2.068	2.007	2.026	2.017	2.036	2.031
#3	1.996	2.008	1.983	2.062	2.004	2.027	2.015	2.040	2.023
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 3/8/2016 11:21:08 Type: QC
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2518.6	5505.6	41055.	3259.4
Stddev	6.0	9.6	108.	13.0
%RSD	.23993	.17518	.26203	.39758
#1	2520.2	5500.2	41089.	3260.0
#2	2523.6	5516.8	41142.	3272.0
#3	2511.9	5500.0	40935.	3246.1

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Sample Name: CCB Acquired: 3/8/2016 11:25:22 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	0.041	0.001	0.000	0.001	0.034	0.001	0.001	-0.001
Stddev	.0007	.0008	.0002	.0005	.0000	.0015	.0000	.0000	.0001
%RSD	171.5	20.55	116.7	1809.	27.54	44.14	51.91	37.04	75.65
#1	.0002	.0049	.0001	.0000	.0002	.0017	.0001	.0001	.0000
#2	-.0012	.0041	.0003	-.0005	.0001	.0045	.0000	.0001	-.0002
#3	-.0002	.0032	.0000	.0005	.0001	.0041	.0001	.0001	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	0.0091	0.648	-0.210	0.001	0.008	0.296	0.000	0.004
Stddev	.0000	.0039	.0182	.0345	.0001	.0003	.0052	.0001	.0002
%RSD	28.60	43.09	28.11	164.2	78.80	40.70	17.53	605.8	57.09
#1	.0001	.0133	.0463	.0169	.0001	.0011	.0346	-.0001	.0002
#2	.0002	.0055	.0828	-.0505	.0000	.0009	.0299	.0001	.0006
#3	.0001	.0086	.0653	-.0294	.0001	.0005	.0243	.0001	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0005	-0.002	0.000	0.001	0.007	-0.012	-0.001	0.000
Stddev	.0008	.0003	.0003	.000	.0001	.0002	.0003	.0003	.0000
%RSD	1157.	58.99	174.2	1563.	108.3	22.09	28.66	199.1	1017.
#1	.0000	-.0002	.0002	.0001	.0000	.0008	-.0015	-.0002	.0000
#2	.0009	-.0004	-.0003	.0000	.0002	.0007	-.0014	-.0004	.0000
#3	-.0006	-.0008	-.0004	-.0002	.0001	.0005	-.0008	.0002	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/8/2016 11:25:22 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3002.6	5832.4	43355.	3341.7
Stddev	2.2	5.0	58.	10.1
%RSD	.07413	.08618	.13448	.30305
#1	3001.4	5838.1	43328.	3351.8
#2	3001.2	5830.5	43421.	3331.6
#3	3005.2	5828.7	43314.	3341.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	0.0091	0.648	-0.210	0.001	0.008	0.296	0.000	0.004
Stddev	.0000	.0039	.0182	.0345	.0001	.0003	.0052	.0001	.0002
%RSD	28.60	43.09	28.11	164.2	78.80	40.70	17.53	605.8	57.09
#1	.0001	.0133	.0463	.0169	.0001	.0011	.0346	-.0001	.0002
#2	.0002	.0055	.0828	-.0505	.0000	.0009	.0299	.0001	.0006
#3	.0001	.0086	.0653	-.0294	.0001	.0005	.0243	.0001	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0005	-0.002	0.000	0.001	0.007	-0.012	-0.001	0.000
Stddev	.0008	.0003	.0003	.000	.0001	.0002	.0003	.0003	.0000
%RSD	1157.	58.99	174.2	1563.	108.3	22.09	28.66	199.1	1017.
#1	.0000	-.0002	.0002	.0001	.0000	.0008	-.0015	-.0002	.0000
#2	.0009	-.0004	-.0003	.0000	.0002	.0007	-.0014	-.0004	.0000
#3	-.0006	-.0008	-.0004	-.0002	.0001	.0005	-.0008	.0002	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30074-SD1 Acquired: 3/8/2016 11:29:50 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 50.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.284	47.50	1.145	3.388	-0.031	12.98	0.039	0.065	0.938
Stddev	.0114	.55	.0157	.0095	.0035	.04	.0000	.0026	.0097
%RSD	40.07	1.157	13.68	2.801	113.6	3162.	31.47	40.15	10.37
#1	-.0318	48.02	1.010	3.375	-.0025	12.94	.0039	.0038	1.035
#2	-.0157	47.55	1.316	3.488	.0001	12.98	.0039	.0089	0.840
#3	-.0377	46.92	1.108	3.299	-.0068	13.02	.0039	.0067	0.938

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.081	75.94	7.286	6.194	7.271	0.028	2.298	0.751	17.45
Stddev	.0065	.19	.923	.995	.0073	.0046	.214	.0031	.07
%RSD	6.020	2.478	12.66	16.06	1.003	163.9	9.322	4.091	3.993
#1	.1068	75.77	6.273	7.326	.7221	.0030	2.325	.0786	17.38
#2	.1151	76.14	7.507	5.461	.7237	.0073	2.071	.0730	17.51
#3	.1023	75.90	8.078	5.794	.7355	-.0019	2.497	.0736	17.46

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.036	0.425	12.68	0.210	1.460	2.074	-0.233	2.851	6.003
Stddev	.0385	.0563	.25	.0055	.0026	.050	.0118	.0117	.0037
%RSD	37.12	132.6	1.964	26.11	1.807	2.405	50.85	4.090	6.118
#1	.1225	.0403	12.54	.0168	1.449	2.131	-.0132	2.767	6.024
#2	.1289	.0999	12.96	.0191	1.441	2.045	-.0204	2.802	6.024
#3	.0593	-.0127	12.52	.0272	1.490	2.044	-.0363	2.984	5.960

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	3005.5	5888.4	43662.	3313.2
Stddev	8.8	17.5	123.	28.5
%RSD	29309	29646	28242	85918
#1	3014.4	5907.4	43716.	3340.1
#2	2996.8	5884.6	43748.	3283.4
#3	3005.4	5873.1	43521.	3316.0

Sample Name: FA31719-2 Acquired: 3/8/2016 11:34:15 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 20.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.046	38.82	6.464	3.204	0.003	10.70	0.027	0.084	0.883
Stddev	.0101	.34	.0171	.0019	.0008	.09	.0002	.0002	.0034
%RSD	222.8	8846	2.645	5.805	323.0	85.10	8.284	2.225	3.816
#1	.0093	38.43	6.360	3.215	.0004	10.80	.0030	.0082	0.877
#2	.0115	39.08	6.370	3.182	-.0006	10.68	.0026	.0086	0.852
#3	-.0071	38.94	6.661	3.214	.0010	10.63	.0026	.0085	0.919

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.078	63.60	6.541	5.901	6.179	0.035	1.459	0.699	31.86
Stddev	.0022	.10	.545	.508	.0029	.0047	.081	.0025	.02
%RSD	2.054	1.526	8.336	8.601	4.737	132.7	5.530	3.522	0.562
#1	.1096	63.71	6.693	5.954	6.179	.0086	1.539	.0711	31.86
#2	.1053	63.52	6.993	5.369	6.209	.0026	1.458	.0715	31.88
#3	.1086	63.57	5.935	6.380	6.150	-.0006	1.378	.0670	31.85

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.593	0.398	3.103	0.276	1.322	1.534	-0.155	2.580	3.629
Stddev	.014	.0423	.022	.0017	.0009	.006	.0047	.0064	.0010

Sample Name: FA31719-3 Acquired: 3/8/2016 11:38:39 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	50.85	0.948	4.815	0.004	18.68	0.060	0.021	1.221
Stddev	.0007	.28	.0014	.0011	.0009	.12	.0004	.0008	.0035
%RSD	267.5	.5589	1.514	.2339	207.1	.6185	7.429	6.251	2.897
#1	.0001	50.52	.0937	.4808	.0010	18.55	.0062	.0117	1.258
#2	.0002	51.03	.0944	.4828	.0009	18.76	.0063	.0130	1.217
#3	-.0010	50.99	.0964	.4810	-.0006	18.74	.0055	.0116	1.188
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1425	80.84	10.60	9.523	9.708	0.109	3.515	1.111	19.02
Stddev	.0008	.27	.09	.091	.0015	.0002	.092	.0004	.01
%RSD	.5440	.3368	.8083	.9573	.1542	2.214	2.614	.3814	.0704
#1	.1421	80.54	10.55	9.545	.9717	.0111	3.409	1.110	19.02
#2	.1420	81.08	10.56	9.423	.9716	.0106	3.564	1.107	19.00
#3	.1434	80.89	10.70	9.601	.9691	.0110	3.572	1.115	19.03
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	0.0670	0.205	3.287	0.072	2.205	2.037	-0.125	3.404	4.600
Stddev	.0023	.0142	.005	.0050	.0020	.002	.0028	.0003	.0026
%RSD	3.412	69.07	.1606	13.36	9.007	.0820	22.00	.0930	.5644
#1	.0653	.0338	3.286	.0354	.2194	2.036	-.0155	.3044	.4586
#2	.0661	.0056	3.282	.0334	.2192	2.037	-.0101	.3047	.4629
#3	.0696	.0222	3.292	.0429	.2227	2.039	-.0119	.3042	.4583
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2963.1	5824.0	4366.4	3325.8					
Stddev	4.5	5.4	28.	10.3					
%RSD	.15244	.09354	.06400	.31108					
#1	2959.4	5826.8	4367.5	3335.4					
#2	2968.2	5817.7	4363.3	3327.0					
#3	2961.7	5827.4	4368.6	3314.9					

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Sample Name: FA31709-1 Acquired: 3/8/2016 11:42:59 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 4.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0097	1142.	2017.	3.629	0.139	648.1	1.709	4.162	1.518
Stddev	.0015	5.	.0032	.018	.0002	4.9	.0009	.0025	.004
%RSD	15.83	.4535	1.592	.4843	1.405	.7525	.5255	.6003	.2531
#1	.0100	1148.	.2032	3.643	.0141	653.6	.1702	4.150	1.514
#2	.0110	1138.	.2039	3.636	.0138	644.4	.1705	4.145	1.521
#3	.0080	1139.	.1980	3.610	.0138	646.3	.1719	4.190	1.519
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.937	876.6	12.64	29.22	F 53.26	-0.057	5.398	6.174	4.136
Stddev	.003	3.5	.10	.21	.33	.0005	.026	.0017	.0082
%RSD	.1629	.3976	.8207	.7158	.6269	9.233	.4868	.2816	1.982
#1	1.939	880.2	12.58	29.42	53.64	-.0062	5.425	6.170	4.068
#2	1.933	873.2	12.76	29.00	53.13	-.0052	5.397	6.158	4.112
#3	1.939	876.3	12.58	29.23	53.02	-.0055	5.372	6.193	4.227
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	0.065	0.035	7.072	0.0594	F 66.64	F 32.15	0.153	9.699	5.044
Stddev	.0120	.0065	.037	.0021	.38	.24	.0089	.0055	.032
%RSD	184.7	186.0	.5230	3.620	.5764	.7330	58.40	57.12	.6373
#1	.0113	.0043	7.054	.0619	66.20	32.21	.0212	9.740	5.023
#2	-.0072	-.0095	7.047	.0582	66.91	32.35	.0197	9.720	5.028
#3	.0153	-.0034	7.115	.0581	66.81	31.89	.0050	9.636	5.081
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2484.1	8289.8	60816.	4901.8					
Stddev	8.4	23.9	92.	38.8					
%RSD	.34001	.28828	.15084	.79241					
#1	2486.8	8300.3	60711.	4857.0					
#2	2490.8	8306.6	60878.	4922.4					
#3	2474.6	8262.4	60860.	4926.0					

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7.1
7

Sample Name: MP30074-D2 Acquired: 3/8/2016 11:47:47 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0034	46.69	1.068	3.604	0.005	13.38	0.039	0.103	1.083
Stddev	.0007	.22	.0016	.0077	.0012	.05	.0001	.0013	.0018
%RSD	20.95	.4711	1.453	2.150	229.1	.3905	2.816	13.02	1.658
#1	.0038	46.65	.1085	.3619	.0016	13.41	.0038	.0093	1.072
#2	.0038	46.92	.1055	.3672	-.0007	13.40	.0038	.0118	1.104
#3	.0026	46.49	.1064	.3520	.0007	13.32	.0040	.0098	1.074
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.119	76.77	7.169	7.172	7.678	0.061	1.476	0.792	17.24
Stddev	.0004	.62	.061	.275	.0028	.0005	.026	.0004	.02
%RSD	.3301	.8012	.8524	3.830	.3633	7.972	1.754	.4448	1.259
#1	.1115	76.88	7.116	6.862	.7651	.0058	1.463	.0793	17.21
#2	.1123	77.33	7.156	7.387	.7706	.0067	1.458	.0788	17.25
#3	.1120	76.11	7.236	7.267	.7678	.0059	1.505	.0795	17.25
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	0.0769	0.257	3.254	0.034	1.708	1.941	-0.090	2.872	3.807
Stddev	.0041	.0119	.007	.0020	.0016	.003	.0083	.0031	.004
%RSD	5.273	46.31	.2064	5.979	.9438	.1346	92.89	1.069	1.088
#1	.0784	.0391	3.253	.0313	.1713	1.940	-.0135	2.870	3.806
#2	.0723	.0218	3.262	.0353	.1690	1.944	-.0141	2.903	3.812
#3	.0800	.0163	3.249	.0335	.1720	1.939	.0006	2.842	3.803
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2943.1	5799.6	43071.	3242.9					
Stddev	3.3	6.6	261.	29.9					
%RSD	.11235	.11398	.60676	.92353					
#1	2946.1	5797.3	43323.	3219.2					
#2	2939.6	5807.1	43088.	3232.8					
#3	2943.7	5794.5	42801.	3276.5					

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Sample Name: MP30076-MB1 Acquired: 3/8/2016 11:52:08 Type: QC
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	0.0080	-0.0011	0.002	-0.0001	0.0124	0.0000	-0.0001	-0.0003
Stddev	.0004	.0088	.0005	.0003	.0000	.0020	.000	.0000	.0001
%RSD	92.09	109.8	46.48	184.2	14.21	15.87	25.08	42.29	17.01
#1	-.0004	.0068	-.0005	.0004	-.0001	.0137	.0000	-.0001	-.0004
#2	-.0001	.0172	-.0015	-.0002	-.0001	.0134	-.0001	-.0001	-.0003
#3	-.0008	-.0002	-.0012	.0003	-.0001	.0102	.0000	-.0001	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	0.0049	0.206	-0.0186	0.002	-0.0005	-0.0030	0.0000	0.0011
Stddev									

Sample Name: MP30076-MB1 Acquired: 3/8/2016 11:52:08 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2997.8	5820.2	4346.9	3224.3
Stddev	1.8	4.6	122.	9.9
%RSD	.05849	.07827	.28179	.30710
#1	2996.5	5825.1	4346.2	3227.9
#2	2999.8	5816.1	4335.1	3213.0
#3	2997.1	5819.5	4359.5	3231.8

Sample Name: MP30076-B1 Acquired: 3/8/2016 11:56:38 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0500	29.91	2.092	2.168	.0554	27.69	.0546	.5384	.2189
Stddev	.0007	.15	.005	.011	.0001	.08	.0001	.0018	.0006
%RSD	1.315	.5080	.2603	.4890	.1810	.2783	.2532	.3359	.2591
#1	.0495	29.82	2.086	2.162	.0553	27.64	.0546	.5383	.2183
#2	.0507	29.81	2.093	2.162	.0553	27.66	.0544	.5367	.2191
#3	.0496	30.08	2.097	2.180	.0555	27.78	.0547	.5403	.2193

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.2709	28.56	27.69	27.87	.5615	.5432	27.96	.5456	.5177
Stddev	.0008	.12	.21	.04	.0021	.0002	.16	.0005	.0009
%RSD	.2928	.4216	.7563	.1373	.3815	.0431	.5855	.0920	.1745
#1	.2701	28.44	27.47	27.83	.5591	.5433	27.84	.5454	.5174
#2	.2717	28.56	27.74	27.87	.5633	.5429	27.90	.5453	.5187
#3	.2708	28.68	27.88	27.91	.5619	.5434	28.14	.5462	.5169

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.5274	2.129	.0278	.5629	.5419	.5562	2.089	.5061	.5451
Stddev	.0009	.009	.0003	.0012	.0029	.0007	.002	.0014	.0012
%RSD	.1667	.4209	1.113	.2142	.5386	.1280	.1141	.2833	.2257
#1	.5264	2.119	.0282	.5643	.5398	.5556	2.086	.5044	.5446
#2	.5281	2.132	.0277	.5619	.5406	.5561	2.090	.5071	.5442
#3	.5278	2.136	.0276	.5625	.5452	.5570	2.090	.5067	.5465

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

7.1
7

Sample Name: MP30076-B1 Acquired: 3/8/2016 11:56:38 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2640.6	5564.9	4125.9	3208.8
Stddev	2.6	8.6	116.	19.6
%RSD	.09810	.15437	.28026	.61212
#1	2643.3	5565.0	4139.2	3231.3
#2	2640.2	5573.4	4120.1	3195.0
#3	2638.2	5556.2	4118.4	3200.1

Sample Name: FA31919-1 Acquired: 3/8/2016 12:00:51 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-.0004	2.768	.0039	.0201	.0000	22.69	.0003	.0004	.0069
Stddev	.0001	.030	.0001	.0004	.0001	.02	.0001	.0002	.0003
%RSD	26.08	1.068	2.051	2.067	167.1	.0755	15.73	38.57	3.658
#1	-.0005	2.782	.0038	.0202	.0001	22.68	.0003	.0006	.0069
#2	-.0003	2.734	.0039	.0205	.0000	22.68	.0003	.0004	.0066
#3	-.0004	2.788	.0039	.0197	.0001	22.71	.0004	.0003	.0071

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.0021	2.905	3.957	2.556	.0040	.0024	15.88	.0019	.0004
Stddev	.0000	.010	.048	.013	.0000	.0000	.04	.0001	.0005
%RSD	1.092	.3532	1.222	.4877	1.097	.2816	.2565	4.001	128.2
#1	.0021	2.917	4.013	2.543	.0041	.0024	15.90	.0019	.0003
#2	.0021	2.898	3.925	2.568	.0040	.0024	15.92	.0018	-.0001
#3	.0021	2.899	3.934	2.558	.0040	.0024	15.84	.0019	.0009

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	-.0007	.0012	4.612	-.0001	.0967	.0169	-.0007	.0098	.0102
Stddev	.0006	.0008	.002	.0004	.0003	.0001	.0012	.0001	.0001
%RSD	78.79	63.90	.0322	321.3	.2693	.6076	170.4	1.114	.6827
#1	-.0012	.0005	4.610	.0003	.0966	.0168	-.0016	.0097	.0102
#2	-.0009	.0011	4.613	-.0005	.0970	.0170	.0007	.0097	.0102
#3	-.0001	.0021	4.611	-.0002	.0965	.0168	-.0013	.0099	.0103

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2823.8	5774.5	4314.0	3282.6
Stddev	5.5	7.8	165.	9.0
%RSD	.19326	.13433	.38224	.27275
#1	2817.6	5770.6	4319.8	3289.5
#2	2825.6	5783.4	4326.9	3285.9
#3	2828.0	5769.5	4295.4	3272.5

Sample Name: MP30076-D1 Acquired: 3/8/2016 12:05:17 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	2.781	.0033	.0204	.0000	22.41	.0003	.0003	.0070
Stddev	.0004	.029	.0004	.0002	.000	.08	.0000	.0001	.0001
%RSD	85.85	1.026	11.64	1.028	1777.	.3703	9.032	20.71	1.647
#1	-.0009	2.752	.0036	.0203	.0000	22.31	.0003	.0003	.0070
#2	-.0007	2.809	.0029	.0206	.0000	22.45	.0003	.0003	.0070
#3	.0000	2.782	.0035	.0202	-.0001	22.46	.0003	.0004	.0068
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0022	3.003	3.950	2.531	.0040	.0022	15.70	.0019	.0009
Stddev	.0001	.012	.027	.014	.0001	.0001	.06	.0000	.0004
%RSD	4.038	.3991	.6855	.5585	1.729	6.829	.4041	2.293	38.31
#1	.0023	2.995	3.920	2.539	.0040	.0023	15.64	.0020	.0009
#2	.0022	3.017	3.958	2.540	.0039	.0022	15.77	.0019	.0006
#3	.0022	2.997	3.972	2.515	.0040	.0020	15.68	.0019	.0013
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.008	.0009	4.569	.0001	.0953	.0170	-0.014	.0096	.0128
Stddev	.0005	.0012	.005	.0002	.0004	.0001	.011	.0002	.0000
%RSD	63.99	137.3	.1148	195.6	.4228	.3852	.8116	2.326	.3661
#1	-.0011	-.0004	4.563	.0001	.0949	.0169	-.0001	.0094	.0128
#2	-.0002	.0010	4.569	.0003	.0957	.0171	-.0023	.0096	.0127
#3	-.0011	.0020	4.574	-.0001	.0953	.0170	-.0017	.0099	.0128
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2829.5	5756.1	42867.	3247.3					
Stddev	8.9	12.8	179.	16.6					
%RSD	.31325	.22309	.41729	.51120					
#1	2838.9	5769.8	43000.	3240.6					
#2	2828.3	5754.4	42937.	3235.0					
#3	2821.3	5744.3	42664.	3266.2					

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Sample Name: MP30076-SD1 Acquired: 3/8/2016 12:09:41 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0027	2.685	.0049	.0202	-0.0002	22.25	.0003	.0003	.0066
Stddev	.0006	.105	.0016	.0023	.0004	.01	.0001	.0004	.0010
%RSD	21.74	3.904	32.08	11.57	246.4	.0601	36.99	120.1	15.92
#1	-.0034	2.598	.0054	.0178	-.0005	22.24	.0003	.0004	.0077
#2	-.0025	2.801	.0032	.0225	-.0003	22.25	.0002	-.0001	.0065
#3	-.0023	2.656	.0062	.0201	.0003	22.27	.0003	.0006	.0056
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0027	2.824	4.127	2.486	.0039	-0.001	15.59	.0017	.0019
Stddev	.0010	.030	.194	.058	.0001	.0005	.02	.0007	.0032
%RSD	36.55	1.071	4.692	2.338	1.700	440.0	.1058	41.24	172.9
#1	.0019	2.826	3.934	2.433	.0038	-.0006	15.57	.0026	.0024
#2	.0038	2.793	4.322	2.477	.0038	-.0002	15.59	.0014	-.0016
#3	.0025	2.853	4.126	2.548	.0039	.0004	15.60	.0013	.0047
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0010	.0040	4.485	-0.0006	.0932	.0158	-0.045	.0081	.0317
Stddev	.0034	.0104	.010	.0012	.0005	.0003	.0032	.0006	.0001
%RSD	358.9	262.6	.2244	184.8	.5756	1.673	71.44	7.981	.1770
#1	.0011	.0158	4.474	.0007	.0927	.0161	-.0015	.0084	.0317
#2	-.0025	.0003	4.487	-.0014	.0933	.0157	-.0080	.0073	.0318
#3	.0043	-.0041	4.494	-.0012	.0937	.0156	-.0041	.0084	.0317
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2959.7	5794.1	43562.	3226.9					
Stddev	5.2	10.4	225.	15.7					
%RSD	.17556	.17867	.51611	.48515					
#1	2961.1	5789.6	43818.	3235.3					
#2	2964.1	5786.7	43397.	3236.5					
#3	2954.0	5805.9	43470.	3208.8					

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Sample Name: CCV Acquired: 3/8/2016 12:14:06 Type: QC
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.480	40.41	2.004	2.035	2.007	39.89	2.046	2.050	2.031
Stddev	.0002	.13	.004	.011	.010	.19	.003	.002	.004
%RSD	.0702	.3338	.2098	.5219	.5143	4.858	.1213	.1163	.2135
#1	.2478	40.57	2.009	2.044	2.017	40.05	2.048	2.053	2.026
#2	.2481	40.31	2.002	2.023	1.997	39.67	2.047	2.050	2.034
#3	.2481	40.36	2.001	2.037	2.008	39.96	2.043	2.048	2.032

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.978	39.66	40.43	39.74	2.052	2.064	40.40	2.031	1.977
Stddev	.004	.16	.11	.22	.002	.002	.15	.002	.003
%RSD	.1879	.3976	.2720	.5569	.1062	.0738	.3715	.0747	.1581
#1	1.978	39.83	40.55	39.99	2.050	2.064	40.52	2.032	1.980
#2	1.981	39.52	40.33	39.60	2.054	2.065	40.23	2.031	1.978
#3	1.974	39.61	40.41	39.63	2.053	2.062	40.44	2.029	1.974

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.006	2.022	1.992	2.053	1.996	2.019	1.992	2.017	2.028
Stddev	.002	.004	.002	.004	.008	.003	.003	.003	.004
%RSD	.0747	.2132	.1119	.2105	.3845	.1369	.1348	.1554	.1887
#1	2.006	2.019	1.993	2.052	1.998	2.018	1.995	2.015	2.029
#2	2.008	2.027	1.989	2.057	1.987	2.022	1.991	2.021	2.032
#3	2.005	2.020	1.993	2.048	2.002	2.017	1.990	2.017	2.024

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

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Sample Name: CCV Acquired: 3/8/2016 12:14:06 Type: QC
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2527.1	5453.8	41069.	3208.0
Stddev	1.4	7.2	176.	16.5
%RSD	.05677	.13246	.42815	.51566
#1	2525.5	5445.6	40874.	3189.2
#2	2527.7	5456.6	41118.	3214.9
#3	2528.1	5459.2	41216.	3220.1

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Sample Name: CCB Acquired: 3/8/2016 12:18:17 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.137	0.000	0.001	0.001	0.028	0.001	0.001	-0.001
Stddev	.0001	.0108	.0005	.0002	.0000	.0013	.0000	.0001	.0001
%RSD	76.62	78.69	2748.	179.2	29.12	47.33	23.83	102.4	169.5
#1	-0.003	0.052	0.000	0.000	0.002	0.026	0.001	0.000	-0.001
#2	-0.002	0.102	0.006	0.000	0.001	0.043	0.000	0.002	-0.001
#3	-0.001	0.259	-0.005	0.003	0.001	0.016	0.001	0.000	0.000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.002	0.117	0.301	0.016	0.001	0.007	0.155	0.001	0.000
Stddev	.0002	.0046	.0641	.0244	.0000	.0002	.0017	.0001	.0004
%RSD	109.3	39.35	212.9	1506.	60.78	21.94	10.98	109.6	11450.
#1	.0001	.0165	.1033	.0270	.0001	.0009	.0138	.0000	-0.003
#2	.0000	.0112	-0.165	-0.003	.0001	.0006	.0172	.0001	.0005
#3	.0003	.0073	.0036	-0.0218	.0000	.0006	.0155	.0001	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.002	-0.006	0.005	0.002	0.001	0.009	-0.011	-0.002	0.000
Stddev	.0002	.0013	.0002	.0001	.0000	.0002	.0007	.0001	.000
%RSD	80.17	215.6	43.15	37.69	31.74	17.36	62.42	48.72	282.6
#1	.0000	-0.003	.0008	.0003	.0002	.0009	-0.006	-0.002	.0000
#2	.0004	.0005	.0004	.0001	.0001	.0007	-0.018	-0.001	.0000
#3	.0002	-0.021	.0003	.0002	.0001	.0010	-0.007	-0.002	-0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/8/2016 12:18:17 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2996.9	5751.9	43625.	3297.5
Stddev	9.9	11.0	82.	7.6
%RSD	.32992	.19127	.18789	.22911
#1	2989.9	5746.3	43535.	3304.6
#2	3008.2	5764.6	43643.	3298.3
#3	2992.6	5744.9	43696.	3289.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.002	0.117	0.301	0.016	0.001	0.007	0.155	0.001	0.000
Stddev	.0002	.0046	.0641	.0244	.0000	.0002	.0017	.0001	.0004
%RSD	109.3	39.35	212.9	1506.	60.78	21.94	10.98	109.6	11450.
#1	.0001	.0165	.1033	.0270	.0001	.0009	.0138	.0000	-0.003
#2	.0000	.0112	-0.165	-0.003	.0001	.0006	.0172	.0001	.0005
#3	.0003	.0073	.0036	-0.0218	.0000	.0006	.0155	.0001	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.002	-0.006	0.005	0.002	0.001	0.009	-0.011	-0.002	0.000
Stddev	.0002	.0013	.0002	.0001	.0000	.0002	.0007	.0001	.000
%RSD	80.17	215.6	43.15	37.69	31.74	17.36	62.42	48.72	282.6
#1	.0000	-0.003	.0008	.0003	.0002	.0009	-0.006	-0.002	.0000
#2	.0004	.0005	.0004	.0001	.0001	.0007	-0.018	-0.001	.0000
#3	.0002	-0.021	.0003	.0002	.0001	.0010	-0.007	-0.002	-0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30076-PS1 Acquired: 3/8/2016 12:22:46 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0484	5.289	1.054	2.828	0.514	27.22	0.518	0.524	0.588
Stddev	.0004	.021	.0006	.0012	.0003	.04	.0001	.0003	.0002
%RSD	.8708	.3869	.6071	.4338	.6019	.1462	.1073	.5204	.4135
#1	.0488	5.267	1.048	2.834	.0510	27.18	.0518	.0526	.0586
#2	.0480	5.293	1.061	2.813	.0515	27.26	.0518	.0521	.0587
#3	.0482	5.307	1.055	2.835	.0516	27.21	.0519	.0525	.0590

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.048	5.898	13.81	7.481	0.559	1.021	25.63	1.041	0.487
Stddev	.0002	.052	.04	.013	.0001	.0003	.05	.0004	.0003
%RSD	.2356	.8757	.2558	.1715	.2051	.2625	.2083	.3391	.5464
#1	.1046	5.839	13.77	7.489	.0559	1.022	25.59	1.044	.0490
#2	.1047	5.923	13.82	7.488	.0560	1.018	25.62	1.037	.0485
#3	.1050	5.933	13.83	7.466	.0558	1.023	25.69	1.041	.0487

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.054	1.004	4.561	0.485	1.423	1.162	0.963	0.571	2.744
Stddev	.0005	.0025	.006	.0004	.0005	.0002	.0005	.0002	.0002
%RSD	.4556	2.469	.1286	.7781	.3851	.1757	.4909	.3653	.0806
#1	.1049	.0981	4.562	.0489	.1418	.1161	.0968	.0574	.2743
#2	.1054	.1030	4.555	.0481	.1421	.1161	.0958	.0570	.2743
#3	.1058	.0999	4.566	.0486	.1429	.1165	.0962	.0571	.2747

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2758.0	5677.9	42451.	3249.8
Stddev	7.3	5.4	166.	3.2
%RSD	.26432	.09569	.39090	.09801
#1	2762.6	5678.6	42526.	3253.5
#2	2761.8	5682.9	42567.	3247.5
#3	2749.6	5672.1	42261.	3248.5

Sample Name: MP30076-S1 Acquired: 3/8/2016 12:27:03 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0503	36.56	2.081	2.193	0.552	48.94	0.537	5.328	2.236
Stddev	.0005	.03	.004	.008	.0002	.05	.0002	.0012	.0010
%RSD	1.022	.0865	.1891	.3502	.2763	.1005	.2811	.2333	.4374
#1	.0502	36.58	2.078	2.202	.0551	48.91	.0536	.5315	.2242
#2	.0509	36.52	2.080	2.187	.0552	48.92	.0538	.5328	.2240
#3	.0498	36.57	2.085	2.190	.0554	49.00	.0539	.5340	.2244

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.684	32.03	31.53	29.94	5.488	5.412	42.98	5.348	5.144
Stddev	.0009	.07	.09	.12	.0001	.0010	.08	.0007	.0014
%RSD	.3389	.2155	.2934	.3969	.0149	.1814	.1769	.1392	.2686
#1	.2688	32.10	31.64	29.84	.5488	.5403	43.07	.5355	.5148
#2	.2673	31.97	31.49	29.92	.5488	.5410	42.93	.5348	.5128
#3	.2689	32.03	31.47	30.07	.5489	.5422	42.95	.5340	.5155

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg									

Sample Name: MP30076-S2 Acquired: 3/8/2016 12:31:15 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0504	36.48	2.096	2.210	.0551	49.06	.0539	.5320	.2233
Stddev	.0007	.15	.006	.008	.0003	.23	.0001	.0009	.0007
%RSD	1.326	.4133	.2968	.3582	.6135	.4703	.1464	.1685	.2956
#1	.0503	36.35	2.095	2.202	.0547	48.82	.0540	.5329	.2240
#2	.0512	36.45	2.090	2.211	.0551	49.08	.0538	.5322	.2227
#3	.0498	36.64	2.103	2.218	.0554	49.29	.0539	.5311	.2231
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.2711	31.89	3.173	29.77	.5532	5.388	43.24	.5365	.5179
Stddev	.0003	.09	.10	.29	.0011	.0002	.09	.0005	.0018
%RSD	.1138	.2861	.3178	.9825	.2053	.0407	.2005	.0975	.3443
#1	.2707	31.83	3.167	29.59	.5529	5.388	43.15	.5370	.5193
#2	.2712	31.85	3.168	29.61	.5523	5.390	43.24	.5360	.5159
#3	.2713	32.00	3.185	30.11	.5545	5.386	43.32	.5365	.5185
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5282	2.136	8.876	5.442	.6254	6.982	2.075	.5072	.5399
Stddev	.0010	.004	.023	.0011	.0015	.0038	.004	.0008	.0016
%RSD	.1822	.1968	.2582	.1975	.2334	.5438	.2056	.1643	.2987
#1	.5286	2.134	8.895	5.449	.6237	6.938	2.080	.5064	.5414
#2	.5288	2.133	8.883	5.430	.6262	7.008	2.073	.5080	.5383
#3	.5270	2.141	8.851	5.448	.6263	7.000	2.072	.5073	.5401
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2581.2	5550.5	41395.	3220.3					
Stddev	2.8	3.7	107.	25.6					
%RSD	.10750	.06642	.25963	.79479					
#1	2578.2	5553.5	41296.	3241.1					
#2	2583.5	5551.6	41510.	3228.0					
#3	2582.0	5546.4	41380.	3191.7					

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Sample Name: FA31888-1 Acquired: 3/8/2016 12:35:26 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0004	.2971	.0080	.0248	.0000	84.27	-.0001	.0008	.0031
Stddev	.0003	.0087	.0007	.0004	.0000	.13	.0001	.0001	.0002
%RSD	60.61	2.921	8.431	1.645	125.3	.1592	69.46	9.589	7.946
#1	-.0002	.2871	.0072	.0246	.0001	84.12	.0000	.0009	.0028
#2	-.0007	.3013	.0083	.0246	.0000	84.37	-.0001	.0008	.0032
#3	-.0004	.3029	.0085	.0253	.0000	84.33	-.0001	.0008	.0032
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	-.0001	.7842	7.493	5.901	.0239	.0032	17.20	.0007	.0002
Stddev	.0001	.0053	.030	.030	.0000	.0002	.08	.0002	.0004
%RSD	154.6	.6762	.3997	.5052	.1841	4.879	.4568	26.34	260.0
#1	.0000	.7822	7.459	5.875	.0240	.0034	17.12	.0009	.0004
#2	.0000	.7802	7.513	5.894	.0239	.0031	17.21	.0008	-.0003
#3	-.0002	.7902	7.507	5.933	.0239	.0032	17.27	.0005	.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0005	.0017	1.802	.0000	.1399	.0022	-.0005	.0042	.0073
Stddev	.0012	.0003	.007	.0000	.0007	.0000	.0011	.0003	.0000
%RSD	249.8	14.74	.3681	52.66	.5185	1.651	203.4	7.844	6210
#1	.0006	.0020	1.808	.0000	.1391	.0022	.0001	.0042	.0073
#2	-.0004	.0016	1.795	.0001	.1404	.0022	.0000	.0046	.0072
#3	-.0017	.0016	1.801	.0000	.1403	.0021	-.0018	.0040	.0073
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2702.5	5480.2	41349.	3229.7					
Stddev	4.1	10.3	211.	2.1					
%RSD	.14988	.18872	.51139	.06638					
#1	2706.2	5475.7	41182.	3231.4					
#2	2698.2	5492.1	41278.	3230.4					
#3	2703.0	5472.9	41587.	3227.3					

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7.1
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Sample Name: FA31888-4 Acquired: 3/8/2016 12:39:53 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.2349	.0005	.0084	.0000	62.90	.0000	.0001	.0027
Stddev	.0005	.0023	.0006	.0001	.000	.21	.000	.0000	.0001
%RSD	943.5	.9872	113.5	.8103	64.67	.3415	103.4	10.96	2.169
#1	-.0003	.2374	.0001	.0085	.0000	62.72	-.0001	.0001	.0027
#2	-.0002	.2328	.0003	.0084	.0000	62.83	.0000	.0001	.0028
#3	.0007	.2346	.0012	.0085	.0000	63.14	.0000	.0001	.0027
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(In2306)
Avg	-.0002	.0495	7.521	3.416	.0081	.0000	8.385	.0004	.0000
Stddev	.0002	.0046	.038	.054	.0000	.0002	.015	.0000	.0008
%RSD	76.54	9.328	.5048	1.570	.1222	116.7.	.1821	12.67	32.27.
#1	-.0003	.0539	7.478	3.363	.0081	-.0002	8.369	.0003	-.0008
#2	-.0004	.0500	7.538	3.470	.0081	.0000	8.386	.0004	.0006
#3	.0000	.0447	7.547	3.414	.0081	.0001	8.400	.0004	.0003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0013	.0010	2.197	-.0001	.1142	.0022	-.0012	.0032	.0146
Stddev	.0003	.0005	.006	.0001	.0005	.0001	.0006	.0002	.0000
%RSD	23.31	54.42	.2971	62.23	.4113	6.369	48.30	4.744	.2904
#1	-.0015	.0007	2.199	.0000	.1140	.0023	-.0008	.0033	.0146
#2	-.0010	.0007	2.202	-.0002	.1138	.0021	-.0018	.0034	.0145
#3	-.0014	.0016	2.189	-.0002	.1147	.0021	-.0009	.0031	.0146
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2748.9	5537.8	41106.	3174.0					
Stddev	6.6	6.1	184.	19.4					
%RSD	.23850	.10940	.44875	.61031					
#1	2756.2	5542.2	41311.	3190.6					
#2	2746.7	5530.9	41054.	3178.9					
#3	2743.7	5540.3	40953.	3152.7					

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Sample Name: FA31888-5 Acquired: 3/8/2016 12:44:19 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0005	.2589	.0004	.0099	-.0001	71.32	-.0001	.0001	.0027
Stddev	.0005	.0128	.0006	.0002	.0000	.19	.0000	.0001	.0002
%RSD	114.9	4.926	147.1	1.667	35.92	2672	11.28	113.5	9.266
#1	-.0001	.2451	.0011	.0101	-.0001	71.35	-.0001	.0002	.0030
#2	-.0011	.2612	.0000	.0097	-.0001	71.50	-.0001	.0000	.0026
#3	-.0002	.2702	.0001	.0100	-.0001	71.12	-.0001	.0001	.0025
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	-.0005	.0524	6.963	5.140	.0056	.0005	11.33	.0003	.0001
Stddev	.0001	.0027	.048	.038	.0000	.0002	.03	.0002	.0003
%RSD	25.87	5.241	.6848	.7444	.3456	36.30	.2223		

Sample Name: FA31888-6 Acquired: 3/8/2016 12:48:47 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.2364	.0021	.0090	-.0001	48.69	-.0001	.0004	.0025
Stddev	.0003	.0046	.0009	.0003	.0000	.24	.0000	.0000	.0001
%RSD	227.1	1.959	42.00	3.352	49.25	4917	17.58	1.546	5.360
#1	.0000	.2376	.0024	.0092	-.0001	48.85	-.0001	.0004	.0024
#2	-.0001	.2402	.0011	.0086	-.0001	48.41	-.0001	.0004	.0026
#3	.0004	.2312	.0027	.0091	.0000	48.79	-.0001	.0004	.0024
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.0004	.3555	4.313	2.068	.0175	.0017	5.309	.0005	.0000
Stddev	.0003	.0017	.021	.014	.0000	.0000	.016	.0001	.000
%RSD	81.92	.4718	4.902	.6805	.2829	1.292	.2953	17.59	1289.
#1	.0006	.3557	4.326	2.054	.0175	.0017	5.315	.0005	-.0002
#2	.0006	.3537	4.289	2.069	.0175	.0017	5.291	.0005	.0002
#3	.0000	.3570	4.325	2.082	.0176	.0016	5.321	.0004	.0000
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0001	.0012	1.915	.0000	.0728	.0034	-.0008	.0107	.0068
Stddev	.0005	.0006	.003	.0004	.0005	.0001	.0011	.0002	.0000
%RSD	902.4	53.21	.1378	1791.	.8409	2.712	138.5	2.041	4494
#1	.0000	.0016	1.916	.0002	.0731	.0033	.0000	.0109	.0068
#2	-.0005	.0015	1.912	.0002	.0723	.0035	-.0021	.0107	.0069
#3	.0004	.0005	1.917	-.0004	.0730	.0035	-.0004	.0104	.0068
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2796.3	5586.9	42050.	3262.5					
Stddev	5.9	11.1	64.	15.2					
%RSD	.21156	.19898	.15141	.46461					
#1	2796.8	5578.1	41981.	3266.5					
#2	2801.9	5599.4	42065.	3275.4					
#3	2790.1	5583.2	42106.	3245.8					

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Sample Name: FA31888-7 Acquired: 3/8/2016 12:53:13 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0001	.1929	.0035	.0209	-.0001	47.80	.0001	.0005	.0019
Stddev	.0003	.0045	.0010	.0006	.0001	.05	.0000	.0000	.0001
%RSD	400.4	2.350	27.45	3.084	83.78	.0973	31.56	10.16	5.437
#1	-.0004	.1877	.0040	.0216	-.0002	47.79	.0001	.0005	.0018
#2	.0001	.1948	.0024	.0209	.0000	47.76	.0001	.0004	.0019
#3	.0001	.1961	.0042	.0203	-.0002	47.85	.0002	.0005	.0020
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.0003	1.118	13.94	2.339	.0180	.0100	22.20	.0002	.0003
Stddev	.0001	.009	.04	.034	.0001	.0000	.04	.0002	.0005
%RSD	33.69	.7636	.2663	1.464	.4318	.1717	.1682	98.03	158.7
#1	.0003	1.118	13.90	2.373	.0181	.0100	22.17	.0003	-.0002
#2	.0002	1.110	13.97	2.304	.0179	.0100	22.24	.0004	.0006
#3	.0004	1.127	13.93	2.340	.0180	.0100	22.19	.0000	.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0003	.0026	1.510	-.0001	.0651	.0029	-.0006	.0018	.0095
Stddev	.0004	.0004	.005	.0001	.0004	.0002	.0012	.0001	.0000
%RSD	137.4	16.28	.3097	226.3	.5626	7.386	179.6	3.960	2765
#1	-.0002	.0024	1.504	.0000	.0647	.0031	-.0019	.0019	.0095
#2	.0006	.0022	1.512	-.0002	.0654	.0028	.0004	.0017	.0095
#3	.0005	.0030	1.512	.0001	.0652	.0027	-.0004	.0018	.0095
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2729.9	5588.7	41552.	3249.7					
Stddev	5.5	11.7	107.	7.4					
%RSD	.20169	.20890	.25704	.22880					
#1	2728.5	5601.8	41653.	3241.1					
#2	2735.9	5585.2	41563.	3254.4					
#3	2725.2	5579.2	41440.	3253.5					

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Sample Name: FA31888-8 Acquired: 3/8/2016 12:57:40 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0003	.0353	.0013	.0517	-.0001	123.1	.0001	-.0001	.0003
Stddev	.0002	.0088	.0004	.0003	.0001	.7	.0000	.0000	.0000
%RSD	82.46	24.84	32.58	.5076	120.1	6067	5.246	51.78	2.358
#1	-.0005	.0282	.0017	.0516	.0000	122.8	.0001	-.0001	.0003
#2	-.0001	.0451	.0008	.0515	-.0002	122.7	.0001	-.0001	.0003
#3	-.0001	.0325	.0015	.0520	.0000	124.0	.0001	.0000	.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0003	1.832	6.125	1.999	.0307	.0041	4.681	.0002	-.0003
Stddev	.0001	.016	.080	.026	.0000	.0001	.026	.0001	.0003
%RSD	39.19	.8940	1.307	1.303	.1552	2.451	.5479	30.70	119.8
#1	.0003	1.827	6.128	1.972	.0308	.0042	4.671	.0001	-.0006
#2	.0002	1.819	6.043	2.002	.0307	.0040	4.661	.0003	.0001
#3	.0004	1.851	6.203	2.024	.0307	.0042	4.710	.0002	-.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0010	.0011	7.132	.0005	.2056	.0008	-.0005	.0024	.0138
Stddev	.0004	.0007	.013	.0001	.0010	.0001	.0009	.0002	.0001
%RSD	37.29	61.79	.1804	21.34	.5099	7.336	173.8	10.27	.5911
#1	.0010	.0007	7.117	.0004	.2052	.0008	.0004	.0022	.0137
#2	.0013	.0019	7.137	.0006	.2048	.0008	-.0015	.0024	.0139
#3	.0006	.0007	7.140	.0006	.2068	.0007	-.0005	.0027	.0138
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2688.7	5524.3	40643.	3153.7					
Stddev	9.3	8.0	50.	28.5					
%RSD	.34760	.14469	.12401	.90399					
#1	2699.0	5533.3	40595.	3153.6					
#2	2686.3	5521.8	40696.	3182.2					
#3	2680.8	5517.9	40637.	3125.2					

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Sample Name: FA31888-9 Acquired: 3/8/2016 13:02:05 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0007	.1992	.0000	.0076	.0000	62.24	.0000	.0001	.0011
Stddev	.0006	.0107	.001	.0004	.000	.19	.000	.0000	.0002
%RSD	85.02	5.368	5664.	5.307	299.4	2980	207.0	15.91	15.74
#1	-.0010	.1869	-.0012	.0071	.0001	62.34	.0000	.0001	.0011
#2	-.0012	.2046	.0010	.0078	-.0001	62.36	-.0001	.0001	.0010
#3	.0000	.2062	.0002	.0078	-.0001	62.03	.0000	.0001	.0013
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0001	.0291	2.451	1.925	.0158	.0004	4.574	.0002	.0002
Stddev	.0002	.0029	.047	.028	.0000	.0002	.019	.0001	.0004
%RSD	286.2	10.02	1.913	1.434	.2165	41.93	4.119	64.21	235.2
#1	.0								

Sample Name: CCV Acquired: 3/8/2016 13:06:30 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2517	41.07	2.020	2.042	2.055	40.65	2.050	2.050	2.074
Stddev	.0008	.21	.004	.004	.012	.23	.002	.002	.013
%RSD	.3187	.5032	.2071	.1759	.6048	.5713	.0867	.0973	.6191

#1	.2519	41.31	2.018	2.046	2.070	40.91	2.052	2.052	2.077
#2	.2524	40.95	2.017	2.039	2.048	40.47	2.049	2.050	2.085
#3	.2508	40.95	2.025	2.041	2.048	40.56	2.049	2.048	2.060

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.029	40.39	41.08	40.69	2.058	2.068	41.12	2.042	1.988
Stddev	.004	.28	.19	.47	.039	.002	.16	.002	.004
%RSD	.1896	.6817	.4540	1.154	1.897	.0750	.3954	.0885	.2248

#1	2.031	40.71	41.29	41.23	2.075	2.070	41.31	2.043	1.992
#2	2.031	40.24	41.04	40.35	2.085	2.067	41.02	2.042	1.983
#3	2.024	40.21	40.92	40.49	2.013	2.068	41.04	2.040	1.990

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.021	2.029	1.998	2.068	2.038	2.075	2.005	2.051	2.048
Stddev	.000	.004	.001	.003	.007	.012	.007	.009	.004
%RSD	.0209	.1807	.0585	.1193	.3657	.5566	.3587	.4632	.1904

#1	2.021	2.031	1.997	2.069	2.047	2.080	2.006	2.053	2.051
#2	2.021	2.032	1.998	2.069	2.033	2.084	1.997	2.059	2.050
#3	2.021	2.025	1.999	2.065	2.035	2.062	2.011	2.041	2.044

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/8/2016 13:06:30 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2511.4	5425.3	4027.3	3147.2
Stddev	4.3	.9	282.	34.3
%RSD	.17181	.01723	.69995	1.0889

#1	2508.1	5426.4	40196.	3108.8
#2	2516.3	5424.7	40038.	3174.6
#3	2509.7	5424.8	40586.	3158.1

Sample Name: CCB Acquired: 3/8/2016 13:10:44 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	.0060	.0002	-0.0001	.0002	.0023	.0001	.0000	-0.0001
Stddev	.0005	.0082	.0003	.0005	.0000	.0009	.0000	.0001	.0002
%RSD	179.7	136.2	140.2	473.3	18.09	39.97	50.24	3974.	207.3

#1	.0001	.0150	.0002	.0004	.0001	.0020	.0001	.0001	.0000
#2	-.0009	.0044	.0004	-.0004	.0001	.0034	.0001	-.0001	-.0003
#3	-.0001	-.0013	-.0001	-.0003	.0002	.0016	.0000	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0103	.0696	-0.0154	.0001	.0008	.0305	.0000	.0006
Stddev	.0001	.0011	.0202	.0179	.0000	.0003	.0030	.0001	.0003
%RSD	569.9	10.19	29.02	116.2	40.05	41.16	9.807	430.0	45.24

#1	.0001	.0114	.0759	-.0209	.0001	.0011	.0300	.0001	.0009
#2	-.0001	.0103	.0470	.0046	.0000	.0007	.0278	.0000	.0005
#3	.0000	.0093	.0858	-.0299	.0001	.0005	.0337	.0000	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	.0015	.0012	.0000	.0001	.0008	-0.0006	.0001	.0000
Stddev	.0006	.0021	.0000	.0002	.0000	.0000	.0006	.0001	.000
%RSD	550.3	138.1	3.290	596.2	65.02	5.162	102.3	117.7	111.4

#1	-.0008	.0022	.0012	.0002	.0001	.0008	-.0004	.0001	-.0001
#2	.0002	.0032	.0013	.0002	.0000	.0009	-.0001	.0000	.0000
#3	.0003	-.0008	.0012	-.0002	.0001	.0008	-.0013	.0001	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/8/2016 13:10:44 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3005.1	5805.6	4372.3	3281.3
Stddev	6.1	16.1	167.	37.3
%RSD	.20338	.27785	.38199	1.1356

#1	3011.7	5824.0	43591.	3298.1
#2	3004.1	5799.2	43667.	3307.2
#3	2999.6	5793.7	43911.	3238.6

Sample Name: FA31888-10 Acquired: 3/8/2016 13:15:15 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1-3, Int. Std., Avg, Stddev, %RSD, #1-3).

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Sample Name: FA31888-11 Acquired: 3/8/2016 13:19:43 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1-3, Int. Std., Avg, Stddev, %RSD, #1-3).

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Sample Name: FA31888-12 Acquired: 3/8/2016 13:24:08 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1-3, Int. Std., Avg, Stddev, %RSD, #1-3).

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Sample Name: FA31890-9 Acquired: 3/8/2016 13:28:35 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1-3, Int. Std., Avg, Stddev, %RSD, #1-3).

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7.1

Sample Name: FA31929-31 Acquired: 3/8/2016 13:33:03 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.0492	-0.0003	0.0191	-0.0001	34.51	0.0000	0.0000	0.0000
Stddev	0.0002	0.0082	0.0004	0.0007	0.0000	0.23	0.000	0.0001	0.0002
%RSD	157.0	16.69	134.5	3.685	35.62	0.7666	135.0	368.4	1486.
#1	-0.004	0.0454	-0.0006	0.0197	-0.0001	34.28	-0.0001	-0.0001	0.0000
#2	0.0000	0.0436	0.0001	0.0192	-0.0001	34.74	0.0000	0.0001	0.0003
#3	0.0000	0.0587	-0.0004	0.0183	-0.0001	34.52	0.0000	0.0001	-0.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0133	0.0064	1.029	8.108	0.0026	-0.0004	10.84	0.0041	0.0004
Stddev	0.0001	0.0009	0.020	0.045	0.0000	0.0002	0.06	0.0001	0.0005
%RSD	1.088	13.87	1.913	0.5521	1.136	48.04	0.5592	1.219	113.4
#1	0.0132	0.0063	1.050	8.079	0.0026	-0.0004	10.78	0.0042	-0.0001
#2	0.0133	0.0056	1.024	8.160	0.0027	-0.0005	10.89	0.0041	0.0005
#3	0.0135	0.0074	1.012	8.085	0.0026	-0.0002	10.87	0.0041	0.0009
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0006	-0.0002	4.838	-0.0002	5.308	0.0009	-0.0019	-0.0002	0.0957
Stddev	0.0005	0.0009	0.007	0.0001	0.0029	0.0001	0.011	0.0001	0.0001
%RSD	71.60	488.2	0.1363	41.20	0.5494	14.72	56.24	61.21	0.0681
#1	-0.0004	0.0009	4.830	-0.0002	5.274	0.0007	-0.0027	-0.0002	0.0957
#2	-0.0012	-0.0007	4.842	-0.0001	5.328	0.0009	-0.0007	-0.0001	0.0958
#3	-0.0004	-0.0007	4.841	-0.0003	5.321	0.0010	-0.0024	-0.0004	0.0957
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2796.1	5589.9	4204.2	3222.4					
Stddev	7.5	12.7	111.	41.9					
%RSD	0.26860	0.22713	0.26446	1.3012					
#1	2792.8	5601.9	42159.	3265.8					
#2	2804.7	5591.3	42029.	3182.1					
#3	2790.7	5576.6	41938.	3219.3					

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Sample Name: FA31931-32 Acquired: 3/8/2016 13:37:29 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0003	0.0431	0.0005	0.0170	-0.0001	34.69	-0.0001	0.0001	-0.0002
Stddev	0.0006	0.0047	0.0000	0.0003	0.0001	0.09	0.0000	0.0002	0.0001
%RSD	204.2	10.86	7.839	1.508	135.3	0.2592	51.90	129.1	59.99
#1	-0.0009	0.0470	0.0006	0.0167	0.0000	34.63	-0.0001	0.0002	-0.0004
#2	0.0002	0.0444	0.0005	0.0170	-0.0001	34.80	0.0000	0.0002	-0.0002
#3	-0.0001	0.0379	0.0005	0.0173	-0.0001	34.66	0.0000	-0.0001	-0.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(In2306)
Avg	0.0050	-0.0051	1.024	8.306	0.0025	-0.0005	10.53	0.0043	0.0002
Stddev	0.0002	0.0033	0.058	0.036	0.0000	0.0000	0.04	0.0002	0.0002
%RSD	3.159	63.65	5.704	0.4302	1.969	9.140	0.4167	3.641	82.76
#1	0.0051	-0.0087	1.060	8.303	0.0024	-0.0005	10.50	0.0044	0.0002
#2	0.0048	-0.0022	1.055	8.344	0.0025	-0.0004	10.58	0.0042	0.0000
#3	0.0051	-0.0045	0.9567	8.273	0.0025	-0.0005	10.51	0.0044	0.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0005	0.0011	4.795	-0.0003	5.436	0.0005	-0.0015	-0.0002	0.0952
Stddev	0.0006	0.0011	0.013	0.002	0.0007	0.0000	0.0007	0.0001	0.0003
%RSD	117.1	100.7	0.2612	70.67	0.1346	7.847	47.98	35.26	0.2693
#1	0.0002	0.0007	4.781	-0.0002	5.430	0.0005	-0.0024	-0.0002	0.0950
#2	-0.0007	0.0002	4.799	-0.0006	5.444	0.0006	-0.0012	-0.0001	0.0952
#3	-0.0009	0.0023	4.805	-0.0002	5.433	0.0005	-0.0010	-0.0003	0.0955
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2791.8	5590.0	4168.1	3203.4					
Stddev	11.3	13.7	158.	20.3					
%RSD	0.40337	0.24484	0.37981	0.63435					
#1	2803.8	5605.3	41857.	3204.0					
#2	2781.4	5579.1	41552.	3182.8					
#3	2790.3	5585.4	41633.	3223.5					

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7.1
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Sample Name: FA31932-4 Acquired: 3/8/2016 13:41:56 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0000	0.0812	0.0007	0.0174	0.0000	35.25	-0.0001	0.0001	0.0003
Stddev	0.001	0.0062	0.0002	0.0006	0.000	0.03	0.0000	0.0001	0.0002
%RSD	122.4	7.594	36.45	3.294	119.4	0.903	39.49	71.76	80.57
#1	0.0000	0.0746	0.0004	0.0177	0.0000	35.24	0.0000	0.0002	0.0004
#2	0.0005	0.0868	0.0009	0.0177	0.0000	35.28	-0.0001	0.0001	0.0004
#3	-0.0007	0.0823	0.0008	0.0167	-0.0001	35.22	-0.0001	0.0000	0.0000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0048	0.0156	0.9993	8.460	0.0028	-0.0004	10.52	0.0044	-0.0001
Stddev	0.0002	0.0023	0.0288	0.041	0.0001	0.0001	0.02	0.0001	0.0004
%RSD	4.323	14.62	2.886	0.4803	2.063	23.63	0.1791	3.082	537.5
#1	0.0050	0.0145	0.9714	8.416	0.0028	-0.0003	10.51	0.0045	-0.0005
#2	0.0046	0.0182	0.9976	8.467	0.0029	-0.0005	10.51	0.0045	0.0003
#3	0.0047	0.0141	1.029	8.496	0.0028	-0.0004	10.54	0.0043	0.0000
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0006	0.0010	4.793	-0.0002	5.507	0.0033	-0.0014	-0.0002	0.0305
Stddev	0.0007	0.0015	0.003	0.0002	0.0005	0.0035	0.0005	0.0001	0.0001
%RSD	130.0	150.2	0.0531	111.3	0.0944	104.5	37.84	82.17	0.4473
#1	-0.0014	0.0024	4.795	-0.0000	5.503	0.0013	-0.0016	0.0000	0.0303
#2	-0.0003	0.0011	4.790	-0.0004	5.504	0.0014	-0.0018	-0.0002	0.0305
#3	0.0000	-0.0006	4.794	-0.0003	5.513	0.0013	-0.0008	-0.0003	0.0306
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2791.7	5585.9	4157.0	3164.6					
Stddev	8.2	10.2	85.	15.8					
%RSD	0.29323	0.18249	0.20412	0.49945					
#1	2799.5	5596.0	41626.	3182.0					
#2	2792.3	5586.0	41612.	3160.7					
#3	2783.2	5575.6	41472.	3151.2					

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Sample Name: FA31908-1 Acquired: 3/8/2016 13:46:22 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0004	0.2209	0.0029	0.0208	0.0000	130.4	-0.0001	0.0005	0.0026
Stddev	0.0002	0.0037	0.0004	0.0005	0.000	0.4	0.0000	0.0000	0.0002
%RSD	56.21	1.669	14.83	2.363	365.3	2.993	64.12	3.733	6.128
#1	-0.0005	0.2193	0.0033	0.0203					

Sample Name: FA31908-3 Acquired: 3/8/2016 13:50:49 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	0.1311	0.0003	0.0125	-0.0001	67.12	-0.0001	0.0001	0.0012
Stddev	0.0002	0.0112	0.0006	0.0003	0.0000	0.04	0.0001	0.0001	0.0000
%RSD	72.20	8.552	226.6	2.271	41.55	0.631	83.89	108.7	3.344
#1	-0.004	0.1407	-0.0004	0.0122	-0.0001	67.11	-0.0001	0.0000	0.0012
#2	0.0000	0.1188	0.0008	0.0128	-0.0001	67.17	-0.0001	0.0002	0.0012
#3	-0.0004	0.1337	0.0004	0.0126	-0.0002	67.08	0.0000	0.0001	0.0012
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0002	0.1374	2.184	3.081	0.0276	0.0020	2.692	0.0001	-0.0002
Stddev	0.0001	0.0040	0.021	0.025	0.0001	0.0001	0.011	0.0001	0.0007
%RSD	35.36	2.900	0.9433	0.8281	0.2695	6.084	4.065	78.10	436.2
#1	0.0003	0.1410	2.200	3.105	0.0276	0.0019	2.683	0.0001	0.0004
#2	0.0002	0.1381	2.161	3.085	0.0276	0.0020	2.704	0.0001	0.0000
#3	0.0002	0.1331	2.191	3.054	0.0277	0.0022	2.689	0.0003	-0.0009
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.0003	-0.0002	2.788	-0.0003	0.1193	0.0020	-0.0022	0.0064	0.0079
Stddev	0.0011	0.0007	0.010	0.0000	0.0006	0.0001	0.012	0.0002	0.0001
%RSD	314.9	378.2	0.3434	11.57	0.5388	4.716	55.21	3.800	1.181
#1	-0.0012	-0.0001	2.777	-0.0003	0.1186	0.0019	-0.0036	0.0063	0.0079
#2	0.0008	0.0005	2.796	-0.0002	0.1199	0.0021	-0.0020	0.0062	0.0079
#3	-0.0006	-0.0010	2.791	-0.0003	0.1195	0.0019	-0.0012	0.0067	0.0080
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2710.3	5391.3	40754.	3172.6					
Stddev	4.8	10.2	98.	12.5					
%RSD	0.17776	0.18979	0.24085	0.39394					
#1	2709.2	5398.2	40726.	3158.2					
#2	2715.5	5379.5	40864.	3180.2					
#3	2706.1	5396.1	40674.	3179.5					

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Sample Name: FA31908-4 Acquired: 3/8/2016 13:55:17 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0001	0.2167	0.0001	0.0248	0.0000	101.2	-0.0001	0.0000	0.0012
Stddev	0.0004	0.0056	0.0004	0.0003	0.000	0.6	0.0000	0.0001	0.0002
%RSD	358.9	2.597	287.1	1.143	44.88	0.6327	89.07	906.6	20.22
#1	0.0001	0.2161	-0.0001	0.0249	0.0000	101.0	-0.0001	0.0000	0.0011
#2	-0.0005	0.2113	-0.0001	0.0250	-0.0001	100.8	0.0000	0.0002	0.0010
#3	0.0001	0.2225	0.0006	0.0245	0.0000	102.0	0.0000	-0.0001	0.0015
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0003	0.0142	3.996	7.411	0.0514	0.0000	37.83	0.0005	-0.0001
Stddev	0.0001	0.0011	0.060	0.052	0.0001	0.0000	0.26	0.0001	0.0003
%RSD	43.62	8.071	1.504	0.7069	0.1027	106.3	0.6780	15.57	254.1
#1	-0.0002	0.0132	3.977	7.373	0.0514	0.0001	37.71	0.0006	0.0003
#2	-0.0002	0.0140	3.948	7.388	0.0514	0.0001	37.66	0.0004	-0.0003
#3	-0.0004	0.0155	4.064	7.471	0.0515	0.0000	38.13	0.0004	-0.0003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.0016	0.0016	4.249	-0.0002	0.2208	0.0019	-0.0021	0.0010	0.0159
Stddev	0.0002	0.0010	0.007	0.0003	0.0009	0.0001	0.012	0.0002	0.0000
%RSD	13.79	64.70	0.1766	164.1	0.4179	6.876	58.72	20.13	0.1761
#1	-0.0015	0.0026	4.243	0.0001	0.2204	0.0019	-0.0007	0.0011	0.0159
#2	-0.0018	0.0016	4.257	-0.0002	0.2201	0.0021	-0.0027	0.0008	0.0159
#3	-0.0014	0.0005	4.248	-0.0006	0.2218	0.0018	-0.0030	0.0011	0.0159
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2632.0	5359.2	40084.	3134.4					
Stddev	5.8	6.7	147.	3.1					
%RSD	0.21880	0.12535	0.36790	0.09920					
#1	2632.9	5365.7	40219.	3137.7					
#2	2625.8	5352.3	40107.	3134.0					
#3	2637.2	5359.7	39927.	3131.6					

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Sample Name: CCV Acquired: 3/8/2016 13:59:42 Type: QC
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.505	40.93	2.006	2.035	2.039	40.38	2.048	2.048	2.067
Stddev	0.0006	0.13	0.001	0.005	0.008	0.10	0.001	0.001	0.004
%RSD	0.2407	0.3295	0.0237	0.2498	0.4086	0.2380	0.0632	0.0667	0.2171
#1	2.502	40.83	2.007	2.030	2.033	40.34	2.049	2.048	2.064
#2	2.512	40.87	2.006	2.038	2.034	40.32	2.047	2.050	2.063
#3	2.501	41.08	2.006	2.039	2.048	40.49	2.047	2.047	2.072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.016	40.17	41.01	40.50	2.068	2.067	40.97	2.038	1.989
Stddev	0.010	0.15	0.07	0.28	0.003	0.002	0.03	0.001	0.002
%RSD	0.4904	0.3806	0.1819	0.6962	0.1402	0.0719	0.0836	0.0507	0.1207
#1	2.016	40.17	41.10	40.74	2.065	2.066	40.98	2.038	1.991
#2	2.025	40.02	40.99	40.19	2.071	2.069	40.93	2.037	1.986
#3	2.006	40.33	40.96	40.57	2.068	2.067	40.99	2.039	1.990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.008	2.016	1.988	2.061	2.026	2.065	2.006	2.043	2.048
Stddev	0.001	0.004	0.003	0.003	0.003	0.001	0.001	0.002	0.004
%RSD	0.0451	0.1927	0.1262	0.1243	0.1466	0.0420	0.0698	0.0830	0.1903
#1	2.008	2.013	1.987	2.062	2.026	2.065	2.005	2.042	2.052
#2	2.008	2.020	1.990	2.058	2.022	2.065	2.004	2.045	2.044
#3	2.007	2.014	1.985	2.062	2.028	2.064	2.007	2.043	2.049
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 3/8/2016 13:59:42 Type: QC
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2516.2	5437.0	40133.	3107.2
Stddev	4.5	9.8	62.7	22.0
%RSD	0.17881	0.18080	0.15474	0.70929
#1	2519.7	5447.8	40083.	3106.3
#2	2517.8	5434.8	40202.	3129.7
#3	2511.2	5428.5	40113.	3085.7

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Sample Name: CCB Acquired: 3/8/2016 14:03:53 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0103	.0002	.0003	.0001	.0069	.0001	.0000	.0001
Stddev	.0003	.0104	.0011	.0002	.0001	.0050	.0001	.0001	.0000
%RSD	133.9	101.0	550.0	62.17	74.18	73.32	120.5	155.6	24.34
#1	.0002	.0223	.0013	.0005	.0002	.0122	.0001	.0001	.0001
#2	-.0001	.0049	-.0010	.0004	.0001	.0022	.0001	.0000	.0001
#3	.0005	.0037	.0003	.0001	.0000	.0062	.0000	.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0127	.0697	-.0025	.0000	.0010	.0327	.0002	.0010
Stddev	.0002	.0061	.0545	.0096	.0000	.0002	.0064	.0001	.0003
%RSD	106.7	48.16	78.16	381.1	119.6	17.02	19.62	64.60	35.05
#1	.0003	.0193	.1058	.0061	.0000	.0011	.0303	.0003	.0014
#2	.0000	.0114	.0070	-.0008	.0001	.0010	.0400	.0001	.0008
#3	.0002	.0073	.0963	-.0129	.0000	.0008	.0279	.0002	.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0000	.0014	.0003	.0001	.0009	-.0015	.0001	-.0001
Stddev	.0003	.000	.0003	.0002	.0001	.0001	.0005	.0002	.0000
%RSD	191.3	775.2	21.10	57.05	69.95	5.751	33.36	168.1	34.12
#1	-.0002	-.0004	.0014	.0001	.0002	.0010	-.0016	.0001	.0000
#2	.0003	-.0002	.0012	.0004	.0002	.0010	-.0010	-.0001	-.0001
#3	.0004	.0004	.0018	.0003	.0000	.0009	-.0020	.0002	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/8/2016 14:03:53 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2980.8	5703.9	42703.	3143.0
Stddev	5.1	10.4	165.	5.7
%RSD	.16947	.18257	.38728	.18257
#1	2986.3	5715.7	42618.	3149.1
#2	2976.4	5696.0	42894.	3137.7
#3	2979.6	5700.1	42597.	3142.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0127	.0697	-.0025	.0000	.0010	.0327	.0002	.0010
Stddev	.0002	.0061	.0545	.0096	.0000	.0002	.0064	.0001	.0003
%RSD	106.7	48.16	78.16	381.1	119.6	17.02	19.62	64.60	35.05
#1	.0003	.0193	.1058	.0061	.0000	.0011	.0303	.0003	.0014
#2	.0000	.0114	.0070	-.0008	.0001	.0010	.0400	.0001	.0008
#3	.0002	.0073	.0963	-.0129	.0000	.0008	.0279	.0002	.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0000	.0014	.0003	.0001	.0009	-.0015	.0001	-.0001
Stddev	.0003	.000	.0003	.0002	.0001	.0001	.0005	.0002	.0000
%RSD	191.3	775.2	21.10	57.05	69.95	5.751	33.36	168.1	34.12
#1	-.0002	-.0004	.0014	.0001	.0002	.0010	-.0016	.0001	.0000
#2	.0003	-.0002	.0012	.0004	.0002	.0010	-.0010	-.0001	-.0001
#3	.0004	.0004	.0018	.0003	.0000	.0009	-.0020	.0002	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: FA31923-1 Acquired: 3/8/2016 14:08:23 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0008	29.10	.0260	.3865	.0011	27.97	-.0002	.0022	.0397
Stddev	.0003	.16	.0005	.0023	.0001	.18	.0001	.0000	.0002
%RSD	36.39	557.3	2.103	60.21	7.176	6.310	29.07	1.323	518.0
#1	-.0012	29.22	.0266	.3882	.0012	28.15	-.0002	.0022	.0398
#2	-.0006	29.15	.0255	.3873	.0011	27.96	-.0002	.0023	.0394
#3	-.0007	28.91	.0260	.3838	.0010	27.79	-.0001	.0023	.0398

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0131	54.94	3.205	5.884	.1723	-.0003	26.24	.0059	.0383
Stddev	.0000	.33	.016	.033	.0010	.0002	.12	.0002	.0010
%RSD	.2811	.6076	.4847	.5595	.5556	61.56	4.581	3.173	2.522
#1	.0130	55.26	3.222	5.888	.1718	-.0002	26.37	.0061	.0373
#2	.0130	54.95	3.192	5.915	.1717	-.0001	26.24	.0060	.0393
#3	.0131	54.60	3.202	5.850	.1734	-.0005	26.13	.0057	.0382

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0009	-.0004	35.63	.0049	2.184	.0349	-.0014	.0661	.0380
Stddev	.0007	.0014	.06	.0004	.0009	.0001	.0004	.0005	.0002
%RSD	83.63	316.2	.1693	7.899	.4228	.3693	26.41	.8009	.4468
#1	.0017	.0008	35.66	.0048	.2193	.0348	-.0011	.0657	.0381
#2	.0003	-.0002	35.57	.0054	.2183	.0348	-.0013	.0660	.0378
#3	.0006	-.0020	35.68	.0046	.2175	.0350	-.0018	.0667	.0381

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2734.3	5731.6	42926.	3319.3
Stddev	6.6	7.4	206.	24.2
%RSD	.23996	.12833	.48032	.72957
#1	2726.7	5725.5	43127.	3300.2
#2	2738.3	5729.5	42934.	3311.3
#3	2737.9	5739.8	42715.	3346.6

Sample Name: FA31923-2 Acquired: 3/8/2016 14:12:45 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0001	4.014	.0190	.2446	.0004	22.99	-.0001	.0031	.0042
Stddev	.0007	.035	.0008	.0013	.0000	.11	.0000	.0000	.0002
%RSD	490.6	.8607	4.145	.5354	10.54	.4988	23.00	1.147	4.124
#1	-.0001	4.028	.0184	.2431	.0004	22.93	-.0001	.0031	.0044
#2	.0005	4.040	.0188	.2450	.0004	23.13	-.0001	.0031	.0041
#3	-.0009	3.975	.0199	.2456	.0004	22.93	-.0001	.0032	.0042

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0015	8.004	2.140	4.253	.1447	-.0001	18.50	.0085	.0010
Stddev	.0005	.043	.051	.027	.0001	.0000	.06	.0002	.0001
%RSD	32.35	.5347	2.361	.6418	.0595	9.232	.3081	2.064	14.63
#1	.0020	7.996	2.161	4.268	.1446	-.0001	18.46	.0085	.0008
#2	.0013	8.051	2.082	4.270	.1447	-.0001	18.57	.0083	.0010
#3	.0011	7.966	2.176	4.222	.1448	-.0002	18.48	.0087	.0011

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0006	-.0001	16.85	.0029	.1819	.1523	-.0014	.0061	.0734
Stddev	.0009	.0011	.10	.0004	.0004	.0106	.0004	.0002	.0003
%RSD	161.1	1667.	.5770	13.13	.2218	6.936	25.56	2.688	.4227
#1	.0002	.0008	16.78	.0033	.1818	.1418	-.0018	.0062	.0731
#2	-.0003	-.0013	16.96	.0027	.1823	.162			

Sample Name: MP30078-MB1 Acquired: 3/8/2016 14:17:09 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0028	-0.0004	.0003	-0.0002	.0753	-0.0001	-0.0001	.0000
Stddev	.0004	.0049	.0005	.0003	.0001	.0017	.0000	.0000	.0003
%RSD	357.7	176.2	132.7	101.0	48.18	2.247	27.25	24.11	1712.
#1	-0.001	-0.024	.0000	.0001	-0.003	.0770	-0.001	-0.001	.0001
#2	.0003	.0074	-0.0010	.0007	-0.0002	.0753	-0.0001	-0.0001	.0003
#3	-0.0005	.0033	-0.0001	.0002	-0.0001	.0736	-0.0001	.0000	-0.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0133	.1389	.0076	.0005	-0.0003	.0885	.0004	.0009
Stddev	.0001	.0020	.0135	.0396	.0000	.0000	.0093	.0001	.0003
%RSD	9.825	15.27	9.702	521.5	1.638	9.529	10.51	25.81	33.32
#1	.0006	.0110	.1343	.0498	.0005	-0.0004	.0784	.0005	.0008
#2	.0008	.0150	.1540	-.0286	.0005	-0.0003	.0967	.0004	.0013
#3	.0008	.0140	.1283	.0015	.0006	-0.0003	.0903	.0003	.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.0007	.0146	.0215	.0001	.0000	-0.0010	-0.0001	F .0125
Stddev	.0005	.0010	.0029	.0002	.0000	.0001	.0005	.0001	.0001
%RSD	531.7	140.0	20.06	1.069	8.269	145.1	46.36	120.0	.8027
#1	.0002	-0.0019	.0131	.0217	.0001	-0.0001	-0.0009	-0.0002	.0127
#2	.0002	.0002	.0180	.0213	.0001	.0000	-0.0015	-0.0001	.0125
#3	-0.0007	-0.0005	.0128	.0214	.0001	.0000	-0.0006	.0000	.0125

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail
 High Limit .0100
 Low Limit -.0100

Sample Name: MP30078-MB1 Acquired: 3/8/2016 14:17:09 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2997.3	5731.4	43630.	3206.2
Stddev	3.6	10.7	196.	17.5
%RSD	.11916	.18611	.44895	.54469
#1	2997.9	5738.1	43854.	3219.4
#2	3000.5	5719.1	43490.	3212.8
#3	2993.5	5736.9	43547.	3186.4

7.1
7

Sample Name: MP30078-B1 Acquired: 3/8/2016 14:21:41 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0497	30.66	2.081	2.205	.0558	27.88	.0544	.5415	.2200
Stddev	.0008	.17	.004	.008	.0004	.44	.0002	.0020	.0011
%RSD	1.583	.5691	.2012	.3458	.6438	1.589	4.186	.3666	.5181
#1	.0489	30.48	2.077	2.196	.0554	27.91	.0541	.5393	.2187
#2	.0505	30.66	2.085	2.207	.0561	27.42	.0546	.5420	.2206
#3	.0497	30.83	2.082	2.211	.0558	28.30	.0544	.5432	.2208

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2717	29.11	28.27	27.92	.5553	.5568	28.65	.5441	.5109
Stddev	.0004	.33	.21	.71	.0006	.0016	.15	.0005	.0030
%RSD	.1504	1.119	.7379	2.551	.1029	.2864	.5304	.0964	.5849
#1	.2718	29.19	28.13	28.14	.5547	.5550	28.48	.5435	.5115
#2	.2721	28.75	28.18	27.13	.5553	.5572	28.71	.5444	.5135
#3	.2713	29.38	28.51	28.50	.5559	.5581	28.77	.5444	.5076

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5233	2.113	.0276	.5819	.5500	.5641	2.059	.5033	.5420
Stddev	.0044	.011	.0010	.0002	.0023	.0013	.001	.0009	.0012
%RSD	.8489	.5023	3.743	.0397	.4214	.2310	.0564	.1813	.2193
#1	.5182	2.101	.0264	.5817	.5480	.5627	2.057	.5023	.5409
#2	.5263	2.120	.0284	.5821	.5494	.5653	2.059	.5037	.5433
#3	.5253	2.118	.0281	.5818	.5525	.5643	2.060	.5040	.5418

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30078-B1 Acquired: 3/8/2016 14:21:41 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2639.4	5522.3	41115.	3161.0
Stddev	3.8	7.8	215.	42.2
%RSD	.14520	.14115	.52180	1.3350
#1	2638.7	5523.1	41359.	3169.5
#2	2643.5	5529.6	41031.	3198.3
#3	2635.9	5514.1	40956.	3115.2

Sample Name: MP30078-B2 Acquired: 3/8/2016 14:25:54 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0497	29.91	2.082	2.180	.0550	27.29	.0541	.5385	.2172
Stddev	.0007	.09	.001	.015	.0002	.01	.0000	.0004	.0012
%RSD	1.379	.3019	.0536	.6953	.3024	.0474	.0566	.0682	.5431
#1	.0491	29.81	2.083	2.167	.0551	27.29	.0541	.5386	.2186
#2	.0496	29.92	2.082	2.177	.0549	27.28	.0541	.5389	.2163
#3	.0504	29.99	2.081	2.197	.0548	27.31	.0541	.5381	.2168

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2683	28.45	27.49	27.47	.5486	.5511	27.78	.5410	.5061
Stddev	.0005	.06	.14	.06	.0006	.0005	.06	.0011	.0011
%RSD	.1712	.2170	.5028	.2078	.1078	.0973	.2149	.1989	.2196
#1	.2680	28.45	27.50	27.52	.5492	.5516	27.72	.5410	.5049
#2	.2688	28.39	27.63	27.50	.5485	.5511	27.79	.5399	.5061
#3	.2681	28.51	27.35	27.41	.5480	.5506	27.84	.5421	.5072

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5232	2.118	.0278	.5729	.5374	.5540	2.041	.4967	.5400
Stddev	.0037	.002	.0006	.0004	.0010	.0010	.002	.0009	.0008
%RSD	.7127	.0704	2.077	.0705	.1922	.1797	.1130	.1719	.1454
#1	.5189	2.119	.0283	.5725	.5363	.5540	2.040	.4976	.5400
#2	.5249	2.117	.0280	.5733	.5374	.5551	2.043	.4968	.5392
#3	.5258	2.120	.0272	.5729	.5384	.5531	2.039	.4959	.5408

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

7.1
7

Sample Name: MP30078-B2 Acquired: 3/8/2016 14:25:54 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2644.9	5506.8	41235.	3162.7
Stddev	2.1	6.3	73.	19.9
%RSD	.07867	.11515	.17707	.62909
#1	2644.8	5501.1	41278.	3185.6
#2	2647.0	5505.6	41276.	3149.8
#3	2642.8	5513.6	41151.	3152.7

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2683	28.45	27.49	27.47	.5486	.5511	27.78	.5410	.5061
Stddev	.0005	.06	.14	.06	.0006	.0005	.06	.0011	.0011
%RSD	.1712	.2170	.5028	.2078	.1078	.0973	.2149	.1989	.2196
#1	.2680	28.45	27.50	27.52	.5492	.5516	27.72	.5410	.5049
#2	.2688	28.39	27.63	27.50	.5485	.5511	27.79	.5399	.5061
#3	.2681	28.51	27.35	27.41	.5480	.5506	27.84	.5421	.5072

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5232	2.118	.0278	.5729	.5374	.5540	2.041	.4967	.5400
Stddev	.0037	.002	.0006	.0004	.0010	.0010	.002	.0009	.0008
%RSD	.7127	.0704	2.077	.0705	.1922	.1797	.1130	.1719	.1454
#1	.5189	2.119	.0283	.5725	.5363	.5540	2.040	.4976	.5400
#2	.5249	2.117	.0280	.5733	.5374	.5551	2.043	.4968	.5392
#3	.5258	2.120	.0272	.5729	.5384	.5531	2.039	.4959	.5408

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: FA31748-1A Acquired: 3/8/2016 14:30:09 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0000	.0680	-0.010	.0059	-0.001	.4412	.0000	.0000	.0006
Stddev	.001	.0174	.0007	.0004	.0001	.0009	.000	.000	.0001
%RSD	178.0	25.58	70.63	6.274	94.96	1939	232.8	737.4	22.77
#1	.0004	.0822	-0.018	.0055	-0.001	.4415	-0.001	.0000	.0007
#2	.0002	.0731	-0.007	.0062	-0.002	.4418	.0000	.0000	.0004
#3	-0.0007	.0486	-0.005	.0059	.0000	.4402	.0000	.0000	.0005

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0222	.3346	.2325	.0482	.0017	.0060	9.924	.0008	.0011
Stddev	.0003	.0021	.0235	.0154	.0001	.0001	.024	.0002	.0006
%RSD	1.286	.6281	10.12	31.95	3.657	1.460	.2399	20.54	48.37
#1	.0225	.3322	.2597	.0585	.0017	.0059	9.930	.0010	.0013
#2	.0223	.3359	.2188	.0305	.0017	.0061	9.897	.0007	.0016
#3	.0219	.3358	.2190	.0556	.0016	.0059	9.943	.0007	.0005

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0015	.0010	.0766	.0165	.0018	.0032	-0.0016	-0.0001	.0234
Stddev	.0007	.0002	.0004	.0003	.0001	.0001	.0010	.0001	.0001
%RSD	47.33	19.28	.5359	1.770	3.079	2.848	60.16	122.1	.4890
#1	.0017	.0010	.0771	.0168	.0017	.0033	-0.0006	-0.0002	.0233
#2	.0022	.0008	.0766	.0164	.0018	.0032	-0.0016	.0000	.0233
#3	.0008	.0011	.0763	.0163	.0018	.0032	-0.0026	.0000	.0235

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2940.9	5690.0	43055.	3242.0
Stddev	4.2	4.7	227.	24.4
%RSD	.14313	.08241	.52652	.75164
#1	2941.4	5685.6	43100.	3214.3
#2	2936.5	5694.9	43256.	3251.7
#3	2944.8	5689.5	42809.	3260.0

Sample Name: CRIA Acquired: 3/8/2016 14:34:38 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0090	.2208	.0107	.2124	.0053	1.071	.0054	.0553	.0108
Stddev	.0002	.0085	.0010	.0012	.0001	.015	.0001	.0001	.0003
%RSD	2.178	3.859	9.435	.5577	2.038	1.394	1.628	.1085	2.656
#1	.0092	.2181	.0097	.2119	.0054	1.072	.0055	.0552	.0106
#2	.0088	.2304	.0106	.2116	.0051	1.055	.0054	.0553	.0106
#3	.0089	.2140	.0117	.2138	.0053	1.085	.0054	.0553	.0111

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0263	.3272	.1058	5.324	.0162	.0511	10.71	.0441	.0051
Stddev	.0002	.0019	.010	.010	.0000	.0002	.009	.0004	.0007
%RSD	.7672	.5954	.9562	.1858	.1670	.3020	.8202	.8843	12.97
#1	.0263	.3263	.1058	5.320	.0162	.0512	10.72	.0444	.0045
#2	.0265	.3258	.1049	5.316	.0162	.0511	10.62	.0442	.0051
#3	.0261	.3294	.1069	5.335	.0162	.0509	10.79	.0437	.0058

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0057	.0103	.0517	.0534	.0100	.0104	.0101	.0489	.0224
Stddev	.0003	.0005	.0002	.0007	.0002	.0001	.0003	.0001	.0004
%RSD	4.955	4.966	.3798	1.226	1.833	.5299	3.231	.2067	1.721
#1	.0060	.0108	.0519	.0537					

Sample Name: ICSA Acquired: 3/8/2016 14:39:03 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.007	F 503.5	.0000	.0007	.0001	489.9	-0.002	.0001	.0004
Stddev	.0003	1.3	.0016	.0003	.0000	3.5	.0001	.0000	.0001
%RSD	40.23	.2677	3917.	42.10	24.61	.7183	29.34	17.13	21.15
#1	-0.007	503.0	.0018	.0010	.0002	486.1	-0.002	.0001	.0005
#2	-0.010	505.0	-0.006	.0007	.0001	493.1	-0.002	.0001	.0005
#3	-0.004	502.4	-0.011	.0004	.0002	490.3	-0.001	.0001	.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0005	183.5	.7895	F 514.0	.0005	.0001	.7654	-0.001	-0.0044
Stddev	.0003	.5	.0383	1.6	.0001	.0003	.0146	.0003	.0008
%RSD	53.76	.2676	4.974	.3062	15.90	616.9	1.905	333.8	17.46
#1	.0006	183.6	.7271	513.4	.0005	-0.001	.7488	-0.005	-0.0036
#2	.0008	184.0	.8014	515.8	.0005	-0.002	.7760	-0.002	-0.0051
#3	.0002	183.0	.7802	512.9	.0004	.0004	.7715	.0000	-0.0046
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0022	-0.011	.0274	.0032	.0002	.0005	.0023	.0006	-0.0015
Stddev	.0019	.0063	.0011	.0004	.0001	.0002	.0011	.0001	.0000
%RSD	88.61	565.9	4.068	12.32	44.91	35.86	48.86	20.13	2.554
#1	.0014	-0.057	.0261	.0035	.0002	.0005	.0027	.0007	-0.0016
#2	.0007	.0061	.0279	.0027	.0003	.0007	.0031	.0005	-0.0016
#3	.0044	-0.037	.0281	.0033	.0002	.0004	.0010	.0005	-0.0015
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2232.4	4946.7	3608.7	2895.6					
Stddev	2.9	16.1	208.	7.6					
%RSD	.13175	.32615	.57571	.26218					
#1	2233.0	4961.8	36022.	2904.4					
#2	2235.0	4948.5	36319.	2890.7					
#3	2229.2	4929.7	35919.	2891.8					

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Sample Name: ICSAB Acquired: 3/8/2016 14:43:32 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F 1.124	F 533.9	1.123	.5803	.5738	F 501.2	1.040	.5304	.5380
Stddev	.003	5.7	.003	.0023	.0024	9.2	.004	.0015	.0021
%RSD	.2520	1.064	.2527	.3999	.4207	1.833	.3468	.2809	.3880
#1	1.123	535.4	1.120	.5782	.5749	508.8	1.037	.5288	.5362
#2	1.121	527.6	1.124	.5798	.5710	491.0	1.040	.5305	.5377
#3	1.127	538.6	1.125	.5828	.5754	503.9	1.044	.5318	.5403
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5881	193.2	.0817	F 523.4	.5523	.9939	.1563	1.032	1.017
Stddev	.0007	1.1	.0040	4.1	.0016	.0036	.0055	.003	.000
%RSD	.1228	.5671	4.867	.7758	.2878	.3581	3.505	.2619	.0354
#1	.5889	193.8	.0842	526.8	.5506	.9909	.1561	1.030	1.016
#2	.5874	191.9	.0771	518.9	.5524	.9930	.1619	1.031	1.017
#3	.5879	193.9	.0838	524.3	.5538	.9979	.1509	1.035	1.017
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.062	1.061	.1168	.9422	1.034	1.006	.9642	4.981	1.043
Stddev	.003	.005	.0017	.0026	.006	.002	.0041	.0017	.003
%RSD	.3067	.5098	1.495	.2812	.5870	.1707	.4277	.3477	.2446
#1	1.062	1.055	.1187	.9391	1.034	1.006	.9600	4.974	1.041
#2	1.059	1.062	.1153	.9432	1.027	1.004	.9643	4.968	1.044
#3	1.065	1.065	.1164	.9441	1.040	1.008	.9683	5.000	1.045
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2199.3	4916.1	36595.	2920.2					
Stddev	6.1	13.9	189.	24.5					
%RSD	.27773	.28277	.51574	.83932					
#1	2202.8	4929.7	36768.	2906.2					
#2	2202.9	4916.5	36624.	2948.5					
#3	2192.3	4901.9	36393.	2905.9					

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Sample Name: CCV Acquired: 3/8/2016 14:48:01 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2524	41.22	2.031	2.073	2.027	40.05	2.071	2.089	2.041
Stddev	.0004	.17	.002	.008	.011	.24	.004	.006	.006
%RSD	.1605	4.082	.0781	.3780	.5448	.5870	.1876	.2662	.2918
#1	.2522	41.39	2.033	2.081	2.038	40.31	2.075	2.094	2.035
#2	.2521	41.06	2.030	2.065	2.016	39.87	2.067	2.083	2.041
#3	.2529	41.21	2.030	2.072	2.026	39.95	2.072	2.090	2.047

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.972	40.14	40.75	39.73	2.002	2.113	40.81	2.051	1.978
Stddev	.004	.18	.19	.26	.010	.003	.13	.003	.009
%RSD	.2044	.4379	.4657	.6668	.4893	.1278	.3283	.1440	.4308
#1	1.969	40.30	40.96	40.00	1.994	2.115	40.96	2.054	1.975
#2	1.970	39.95	40.61	39.47	2.000	2.110	40.71	2.048	1.987
#3	1.977	40.15	40.67	39.71	2.013	2.114	40.77	2.052	1.971

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.038	2.054	2.018	2.055	2.007	2.017	1.991	2.008	2.041
Stddev	.002	.004	.004	.001	.004	.005	.004	.004	.003
%RSD	.1186	.1730	.2116	.0557	.1782	.2566	.2280	.2185	.1368
#1	2.041	2.054	2.016	2.056	2.008	2.012	1.989	2.004	2.044
#2	2.036	2.058	2.014	2.054	2.003	2.018	1.996	2.008	2.038
#3	2.038	2.050	2.022	2.056	2.009	2.022	1.987	2.013	2.042

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: CCV Acquired: 3/8/2016 14:48:01 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2516.3	5369.6	41078.	3127.1
Stddev	1.3	16.5	136.	34.7
%RSD	.05151	.30757	.33118	1.1085
#1	2517.3	5363.4	41136.	3088.6
#2	2516.8	5388.3	41176.	3137.0
#3	2514.9	5357.0	40923.	3155.7

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Sample Name: CCB Acquired: 3/8/2016 15:06:38 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0023	.0003	.0001	.0000	.0036	.0000	.0000	-0.0003
Stddev	.0001	.0055	.0005	.0001	.0000	.0021	.000	.000	.0000
%RSD	113.3	236.9	167.0	109.9	86.31	60.04	103.6	417.6	9.885
#1	-.0002	.0070	-.0002	.0000	.0001	.0013	.0000	-.0001	-.0003
#2	-.0002	-.0037	.0003	.0001	.0000	.0056	.0000	.0000	-.0003
#3	.0000	.0037	.0008	.0002	.0000	.0038	.0000	.0000	-.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.003	.0500	.0042	.0000	-0.004	.0225	.0000	.0003
Stddev	.0000	.0028	.0394	.0231	.000	.0002	.0110	.0001	.0001
%RSD	19.87	1087.	78.88	544.7	32.71	36.73	48.65	323.6	58.26
#1	-.0001	.0008	.0453	.0223	.0000	-.0005	.0350	-.0001	.0003
#2	-.0002	.0019	.0131	.0123	.0000	-.0005	.0184	.0001	.0001
#3	-.0002	-.0035	.0916	-.0218	.0000	-.0002	.0142	.0001	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	.0011	.0032	.0000	.0000	-0.0002	-0.0012	-0.0001	.0003
Stddev	.0002	.0006	.0023	.0001	.000	.0000	.0007	.0001	.0001
%RSD	150.8	53.57	70.94	530.6	268.3	23.93	54.89	44.44	35.91
#1	-.0004	.0014	.0058	.0001	-.0001	-.0002	-.0005	-.0002	.0002
#2	.0001	.0004	.0018	.0000	.0000	-.0002	-.0017	-.0001	.0004
#3	-.0002	.0014	.0019	-.0001	.0000	-.0001	-.0015	-.0001	.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/8/2016 15:06:38 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2931.4	5602.9	42297.	3130.3
Stddev	18.1	17.4	88.	6.0
%RSD	.61869	.31139	.20745	.19079
#1	2945.4	5610.8	42377.	3133.5
#2	2937.9	5614.9	42310.	3134.0
#3	2910.9	5582.9	42203.	3123.4

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000011	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000083	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000059	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000086	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000011	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000013	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000157	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	0.000006	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000030	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000106	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000023	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	0.000004	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000035	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	0.000002	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000016	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.000208	0.569725	0.000000	1.000000
Al 396.152 { 85}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.000225	0.209272	0.000000	1.000000
As 189.042 {478}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.000629	0.191384	0.000000	1.000000
Ba 455.403 { 74}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.000901	7.844959	0.000000	1.000000
Be 313.042 {108}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.000099	12.042352	0.000000	1.000000
Ca 317.933 {106}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.002176	0.274332	0.000000	1.000000
Cd 226.502 {449}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.001141	4.995575	0.000000	1.000000
Co 228.616 {447}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.000595	2.575856	0.000000	1.000000
Cr 267.716 {126}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.000123	0.564929	0.000000	1.000000
Cu 324.754 {104}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.001572	0.845090	0.000000	1.000000
Fe 259.940 {130}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.001312	0.178117	0.000000	1.000000
In 230.606 {446}*	3/8/2016 10:16:28	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.007234	0.100860	0.000000	1.000000
Mg 279.079 {121}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.000026	0.028221	0.000000	1.000000
Mn 257.610 {131}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.000630	2.667606	0.000000	1.000000
Mo 202.030 {467}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.001060	1.103115	0.000000	1.000000
Na 589.592 { 57}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.020254	0.404153	0.000000	1.000000
Ni 231.604 {445}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.000113	1.641345	0.000000	1.000000
Pb 220.353 {453}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.000360	0.935716	0.000000	1.000000
Sb 206.833 {463}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.000644	0.254856	0.000000	1.000000
Se 196.090 {472}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.000761	0.132117	0.000000	1.000000
Si 212.412 {459}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.005487	0.311988	0.000000	1.000000
Sn 189.989 {477}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.000254	0.414169	0.000000	1.000000
Sr 407.771 { 83}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.001644	16.549146	0.000000	1.000000
Ti 334.941 {101}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.001428	2.196280	0.000000	1.000000
Tl 190.856 {477}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.000843	0.312631	0.000000	1.000000
V 292.402 {115}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.000742	0.799231	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.000925	2.742867	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999315	0.000203	0.000398	0.001328	OK	1.000000	0.000000	1	0
Al 396.152 {85}	0.999901	0.004758	0.010176	0.033919	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999791	0.000315	0.000748	0.002495	OK	1.000000	0.000000	1	0
Ba 455.403 {74}	0.999876	0.009964	0.000340	0.001133	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999988	0.004775	0.000073	0.000243	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999835	0.008020	0.003690	0.012299	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999995	0.001270	0.000046	0.000152	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999996	0.000569	0.000099	0.000329	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999948	0.000463	0.000253	0.000843	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999987	0.000345	0.000251	0.000838	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999704	0.006981	0.002912	0.009707	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 {44}	0.999941	0.001772	0.035870	0.119565	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999835	0.000825	0.023499	0.078331	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999889	0.003198	0.000044	0.000146	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999944	0.000942	0.000133	0.000445	OK	1.000000	0.000000	1	0
Na 589.592 {57}	0.999907	0.008887	0.009462	0.031540	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	1.000000	0.000099	0.000157	0.000525	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999671	0.001940	0.000534	0.001780	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999853	0.000351	0.000917	0.003058	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999841	0.000190	0.001614	0.005380	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.999800	0.000503	0.000517	0.001723	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999945	0.000351	0.000295	0.000983	OK	1.000000	0.000000	1	0
Sr 407.771 {83}	0.999966	0.011067	0.000103	0.000344	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999884	0.002690	0.000098	0.000327	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999871	0.000406	0.000899	0.002997	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999955	0.000600	0.000227	0.000758	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 {94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 {91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999997	0.000513	0.000062	0.000207	OK	1.000000	0.000000	1	0

Sample Name: Blank Acquired: 4/6/2016 12:31:45 Type: Cal
Method: 60102007_042011(v46) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.001	0.008	-0.008	0.032	0.004	0.022	-0.012	-0.006	-0.001
Stddev	.0001	.0009	.0002	.0012	.0002	.0006	.0002	.0001	.0000
%RSD	158.4	113.0	19.52	39.47	44.61	28.92	18.38	15.64	16.87
#1	-0.001	.002	-0.007	.0045	.002	.0020	-0.009	-0.005	.0000
#2	-0.001	.0018	-0.010	.0028	.0006	.0016	-0.014	-0.007	-0.001
#3	.0000	.0003	-0.007	.0021	.0004	.0029	-0.013	-0.007	-0.001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.062	0.010	-0.043	-0.002	0.006	0.005	-0.021	0.000	-0.005
Stddev	.0001	.0002	.0006	.0004	.0002	.0001	.0017	.0001	.0001
%RSD	1.528	19.64	14.95	239.9	28.19	17.72	82.29	3050.	24.31
#1	.0061	.0012	-0.038	.0003	.0004	.0004	-0.015	.0000	-0.005
#2	.0062	.0011	-0.050	-0.004	.0006	.0005	-0.040	-0.001	-0.006
#3	.0062	.0008	-0.040	-0.004	.0008	.0006	-0.007	.0002	-0.004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.006	-0.006	0.049	-0.002	-0.009	0.011	-0.010	-0.005	0.008
Stddev	.0002	.0001	.0002	.0000	.0006	.0001	.0003	.0001	.0001
%RSD	26.90	19.12	3.148	20.90	63.59	6.395	33.78	12.60	10.90
#1	.0008	-0.007	.0049	.0002	-0.003	.0011	-0.013	-0.006	.0009
#2	.0004	-0.006	.0051	.0002	-0.012	.0011	-0.011	-0.006	.0007
#3	.0006	-0.005	.0048	.0002	-0.014	.0010	-0.006	-0.005	.0008
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2591.1	4979.4	42096.	4859.9					
Stddev	2.0	8.9	53.	38.3					
%RSD	.07860	.17795	.12604	.78728					
#1	2593.4	4985.4	42072.	4889.4					
#2	2589.6	4983.6	42156.	4816.7					
#3	2590.3	4969.2	42058.	4873.6					

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Sample Name: LowStd Acquired: 4/6/2016 12:40:04 Type: Cal
Method: 60102007_042011(v46) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.026	2.088	0.846	3.951	4.928	2.451	2.333	1.239	2.599
Stddev	.0004	.010	.0000	.004	.014	.008	.003	.002	.0001
%RSD	1.084	4.884	.0476	.1103	.2916	.3210	.1352	.1561	.0553
#1	.0323	2.093	.0846	3.956	4.934	2.460	2.332	1.241	2.599
#2	.0327	2.076	.0846	3.948	4.938	2.451	2.331	1.237	2.600
#3	.0330	2.094	.0846	3.948	4.912	2.444	2.337	1.241	2.597
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.146	1.651	1.005	2.162	1.483	5.182	4.076	7.949	3.974
Stddev	.0007	.005	.004	.0002	.003	.0018	.007	.0012	.0013
%RSD	.1777	.2970	.3437	.1138	.2191	.3407	.1694	.1449	.3227
#1	4.144	1.656	1.006	2.164	1.480	5.190	4.081	7.947	3.959
#2	4.140	1.646	1.007	2.163	1.485	5.162	4.077	7.939	3.981
#3	4.155	1.652	1.001	2.159	1.486	5.194	4.068	7.962	3.981
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.223	0.577	1.881	1.839	8.300	1.062	1.317	3.626	1.178
Stddev	.0005	.0001	.0006	.0006	.026	.003	.0002	.0002	.002
%RSD	.4013	.1242	.3419	.3421	.3085	.2720	.1603	.0419	.1691
#1	1.218	.0578	1.888	1.846	8.327	1.061	1.317	3.627	1.178
#2	1.224	.0577	1.881	1.835	8.295	1.061	1.315	3.624	1.176
#3	1.228	.0577	1.875	1.835	8.277	1.066	1.319	3.625	1.180
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2495.5	5013.2	41611.	4880.9					
Stddev	2.7	10.8	126.	20.3					
%RSD	.10720	.21638	.30201	.41558					
#1	2497.4	5005.6	41677.	4864.5					
#2	2496.8	5025.6	41690.	4903.6					
#3	2492.5	5008.4	41466.	4874.6					

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Sample Name: MidStd Acquired: 4/6/2016 12:43:35 Type: Cal
Method: 60102007_042011(v46) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.134	8.033	3.562	16.39	20.16	9.368	9.454	5.034	1.040
Stddev	.0008	.026	.0011	.04	.03	.047	.020	.008	.002
%RSD	.5683	3.223	.3109	.2176	.1421	.4961	.2134	.1630	.2319
#1	1.132	8.013	3.551	16.41	20.16	9.347	9.431	5.025	1.038
#2	1.129	8.062	3.563	16.35	20.18	9.421	9.469	5.041	1.040
#3	1.143	8.024	3.573	16.41	20.12	9.335	9.460	5.035	1.043
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.678	5.961	3.883	8.351	5.922	2.110	15.79	3.196	1.666
Stddev	.003	.021	.004	.0073	.012	.005	.02	.003	.003
%RSD	.1528	.3483	.0938	.8754	.2056	.2205	.1490	.0926	.1734
#1	1.677	5.950	3.883	8.293	5.909	2.104	15.80	3.193	1.663
#2	1.676	5.985	3.887	8.433	5.926	2.112	15.76	3.199	1.669
#3	1.681	5.948	3.879	8.326	5.932	2.113	15.79	3.197	1.666
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5.120	2.426	8.982	7.363	33.75	4.302	5.515	1.461	4.713
Stddev	.0006	.0008	.0010	.0009	.07	.005	.0002	.002	.012
%RSD	.1269	.3168	.1162	.1272	.2038	.1106	.0281	.1489	.2487
#1	5.113	2.417	8.984	7.356	33.83	4.297	5.514	1.458	4.703
#2	5.121	2.431	8.970	7.374	33.71	4.301	5.517	1.461	4.726
#3	5.125	2.430	8.991	7.361	33.71	4.307	5.514	1.463	4.710
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2297.9	4830.6	40583.	4805.3					
Stddev	1.0	4.1	191.	35.2					
%RSD	.04442	.08461	.47111	.73321					
#1	2298.6	4834.8	40752.	4810.4					
#2	2296.8	4826.7	40621.	4767.8					
#3	2298.5	4830.4	40375.	4837.7					

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Sample Name: HighStd Acquired: 4/6/2016 12:47:08 Type: Cal
Method: 60102007_042011(v46) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.637	15.85	7.280	32.47	39.29	18.17	18.73	10.08	2.016
Stddev	.0011	.04	.0026	.06	.09	.11	.01	.01	.006
%RSD	.4143	.2776	.3546	.1780	.2387	.6085	.0680	.0756	.2877
#1	2.639	15.88	7.250	32.54	39.38	18.25	18.73	10.07	2.021
#2	2.647	15.88	7.297	32.45	39.30	18.21	18.75	10.09	2.017
#3	2.625	15.80	7.292	32.43	39.19	18.04	18.72	10.08	2.010
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.363	11.83	7.643	1.642	11.28	4.220	31.05	6.340	3.382
Stddev	.010	.04	.016	.011	.07	.006	.06	.007	.007
%RSD	.2938	.3350	.2047	.6664	.5782	.1543	.2029	.1087	.2111
#1	3.364	11.86	7.658	1.648	11.27	4.215	31.10	6.340	3.382
#2	3.353	11.84	7.644	1.648	11.22	4.227	31.06	6.347	3.389
#3	3.373								

Sample Name: HSTD Acquired: 4/6/2016 12:51:04 Type: QC
 Method: 60102007_042011(v46) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.895	78.69	3.935	3.901	3.914	77.66	3.894	3.907	3.892
Stddev	.0015	.47	.017	.029	.018	.28	.008	.010	.013
%RSD	.2966	.5925	.4228	.7363	.4464	.3563	.1984	.2608	.3304

#1	.4912	79.03	3.929	3.930	3.930	77.92	3.901	3.915	3.877
#2	.4887	78.16	3.954	3.872	3.895	77.37	3.895	3.910	3.901
#3	.4886	78.87	3.922	3.902	3.916	77.68	3.886	3.895	3.898

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.945	78.54	77.89	79.34	3.847	3.908	77.79	3.893	3.951
Stddev	.011	.29	.41	.04	.031	.010	.52	.004	.007
%RSD	.2879	.3714	.5290	.0492	.8044	.2540	.6722	.0984	.1665

#1	3.958	78.76	78.26	79.38	3.851	3.914	78.28	3.895	3.953
#2	3.941	78.21	77.44	79.33	3.876	3.914	77.24	3.895	3.943
#3	3.937	78.66	77.96	79.30	3.815	3.897	77.84	3.888	3.956

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.932	3.931	3.662	3.877	3.877	3.880	3.930	3.882	3.894
Stddev	.008	.014	.008	.003	.030	.012	.004	.017	.003
%RSD	.2005	.3432	.2252	.0715	.7657	.3199	.0897	.4469	.0747

#1	3.934	3.927	3.665	3.880	3.891	3.874	3.934	3.872	3.897
#2	3.939	3.946	3.668	3.876	3.898	3.872	3.928	3.902	3.891
#3	3.923	3.919	3.653	3.875	3.843	3.894	3.928	3.872	3.893

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 4/6/2016 12:51:04 Type: QC
 Method: 60102007_042011(v46) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2145.3	4649.0	4003.3	4777.6
Stddev	.6	13.5	81.	4.8
%RSD	.02565	.29016	.20357	.10056

#1	2144.7	4641.7	4004.7	4772.7
#2	2145.8	4640.8	3994.6	4782.3
#3	2145.3	4664.6	4010.7	4777.8

Sample Name: ICV Acquired: 4/6/2016 12:57:53 Type: QC
 Method: 60102007_042011(v46) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.392	40.94	1.944	2.042	2.037	42.49	1.989	1.983	2.003
Stddev	.0008	.02	.005	.002	.003	.18	.003	.003	.006
%RSD	.3451	.0433	.2788	.0856	.1239	.4199	.1689	.1436	.2803

#1	.2386	40.94	1.938	2.044	2.035	42.35	1.987	1.981	2.008
#2	.2401	40.96	1.948	2.041	2.040	42.69	1.987	1.982	2.004
#3	.2388	40.92	1.946	2.041	2.036	42.44	1.993	1.987	1.997

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.958	41.99	41.99	42.67	2.063	1.891	42.17	2.005	1.977
Stddev	.004	.10	.02	.07	.007	.005	.07	.002	.004
%RSD	.2302	.2300	.0487	.1758	.3201	.2778	.1581	.0936	.1991

#1	1.961	41.89	41.97	42.60	2.068	1.887	42.18	2.003	1.980
#2	1.959	42.08	41.98	42.75	2.066	1.890	42.23	2.005	1.979
#3	1.952	41.99	42.01	42.65	2.056	1.897	42.09	2.007	1.973

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.955	1.969	1.268	2.031	1.951	1.956	2.035	1.902	2.024
Stddev	.006	.005	.0010	.001	.001	.005	.005	.004	.004
%RSD	.2956	.2427	.7701	.0558	.0275	.2749	.2392	.1900	.1719

#1	1.950	1.967	.1277	2.032	1.950	1.959	2.031	1.903	2.027
#2	1.954	1.965	.1269	2.030	1.951	1.960	2.040	1.905	2.020
#3	1.961	1.974	.1257	2.031	1.951	1.950	2.035	1.898	2.025

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 4/6/2016 12:57:53 Type: QC
 Method: 60102007_042011(v46) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2293.6	4822.6	4067.5	4769.0
Stddev	7.0	16.7	50.	5.1
%RSD	.30558	.34590	.12321	.10723

#1	2301.6	4841.1	4062.4	4768.4
#2	2289.0	4818.1	4072.4	4764.2
#3	2290.0	4808.6	4067.7	4774.4

Sample Name: ICB Acquired: 4/6/2016 13:05:23 Type: QC
 Method: 60102007_042011(v46) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-0.0026	.0006	.0000	.0000	-0.0008	.0000	.0000	-0.0002
Stddev	.0001	.0038	.0004	.000	.0000	.0009	.0000	.0001	.0001
%RSD	36.02	143.6	71.47	271.8	30.77	107.8	72.26	371.3	42.30
#1	.0003	-.0051	.0004	.0000	.0000	-.0017	.0000	-.0001	-.0002
#2	.0002	.0017	.0003	-.0001	.0000	-.0010	.0000	.0000	-.0003
#3	.0001	-.0044	.0011	.0001	.0000	.0001	.0001	.0001	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0036	.0714	-.0138	.0000	.0009	.0069	-.0002	.0009
Stddev	.000	.0012	.0121	.0146	.000	.0001	.0056	.0001	.0002
%RSD	684.5	33.71	17.01	105.5	40.03	8.754	81.07	35.75	24.74
#1	.0000	.0046	.0759	.0024	-.0001	.0009	.0013	-.0002	.0008
#2	-.0002	.0023	.0806	-.0178	.0000	.0009	.0125	-.0001	.0012
#3	.0001	.0038	.0576	-.0259	.0000	.0008	.0069	-.0002	.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	-.0018	-.0008	.0003	.0001	.0008	.0002	-.0001	-.0001
Stddev	.0005	.0004	.0003	.0006	.0000	.0001	.0006	.0001	.0001
%RSD	89.04	20.25	37.93	192.1	12.25	6.976	233.5	106.2	89.83
#1	-.0008	-.0021	-.0006	.0006	.0001	.0008	-.0003	-.0001	-.0001
#2	-.0008	-.0014	-.0011	-.0004	.0001	.0007	.0008	-.0001	.0000
#3	.0000	-.0018	-.0005	.0007	.0001	.0008	.0003	.0000	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 4/6/2016 13:05:23 Type: QC
 Method: 60102007_042011(v46) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2573.2	4926.5	4154.3	4794.0
Stddev	4.6	13.2	70.	19.8
%RSD	.18042	.26764	.16924	.41321
#1	2575.8	4931.4	4161.8	4791.9
#2	2575.9	4911.6	4153.3	4814.7
#3	2567.8	4936.5	4147.9	4775.2

Sample Name: CRIA Acquired: 4/6/2016 13:13:57 Type: QC
 Method: 60102007_042011(v46) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0092	.2118	.0103	.2101	.0053	1.107	.0056	.0547	.0110
Stddev	.0002	.0081	.0001	.0004	.0000	.003	.0000	.0001	.0001
%RSD	2.090	3.828	1.126	.1978	.2072	2.301	.1936	.1498	.7411
#1	.0092	.2210	.0102	.2098	.0053	1.110	.0055	.0547	.0110
#2	.0090	.2056	.0103	.2099	.0053	1.107	.0056	.0546	.0109
#3	.0094	.2088	.0105	.2106	.0052	1.105	.0055	.0547	.0111

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0270	.3275	10.53	5.357	.0170	.0514	10.55	.0440	.0059
Stddev	.0004	.0035	.05	.029	.0001	.0000	.04	.0001	.0004
%RSD	1.410	1.079	4.864	.5377	.6333	.0869	.3825	.2816	6.548
#1	.0267	.3269	10.58	5.389	.0169	.0514	10.60	.0442	.0057
#2	.0275	.3243	10.48	5.334	.0170	.0515	10.53	.0439	.0064
#3	.0269	.3313	10.52	5.348	.0171	.0514	10.53	.0440	.0057

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046	.0110	.0314	.0539	.0107	.0107	.0093	.0512	.0236
Stddev	.0007	.0006	.0002	.0002	.0001	.0001	.0012	.0002	.0001
%RSD	14.98	5.559	6.485	.4557	.8612	1.026	12.54	.3219	4.281
#1	.0049	.0114	.0316	.0540	.0107	.0106	.0096	.0513	.0237
#2	.0038	.0114	.0315	.0536	.0107	.0106	.0080	.0512	.0235
#3	.0050	.0103	.0312	.0540	.0105	.0108	.0103	.0510	.0236

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 4/6/2016 13:13:57 Type: QC
 Method: 60102007_042011(v46) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2546.3	4977.4	4183.3	4867.7
Stddev	2.8	13.3	51.	16.9
%RSD	.11188	.26729	.12103	.34720
#1	2549.6	4992.7	4184.6	4849.9
#2	2544.8	4971.2	4187.5	4869.6
#3	2544.5	4968.3	4177.7	4883.5

Sample Name: ICSA Acquired: 4/6/2016 13:21:28 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	501.2	.0009	-0.001	-0.001	471.8	.0000	-0.002	-0.001
Stddev	.0001	8.1	.0015	.0001	.0001	3.1	.0001	.0001	.0002
%RSD	38.81	1.617	178.3	137.3	63.21	.6669	265.5	38.71	337.3
#1	-0.001	497.4	-0.005	-0.001	-0.001	468.5	.0001	-0.003	.0002
#2	-0.002	510.5	.0025	.0000	-0.001	474.8	-0.001	-0.003	-0.002
#3	-0.002	495.8	.0005	-0.001	.0000	472.0	.0000	-0.001	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	180.7	.1558	519.9	-0.001	.0001	.1376	.0001	-0.003
Stddev	.000	.7	.0063	1.9	.0000	.0001	.0062	.0001	.0002
%RSD	633.4	.3643	4.062	.3712	63.49	161.4	4.529	153.1	88.05
#1	.0002	181.0	.1569	521.3	.0000	.0001	.1314	.0002	-0.001
#2	-0.004	181.1	.1490	520.8	.0000	.0001	.1439	.0000	-0.001
#3	.0001	179.9	.1615	517.7	-0.001	.0000	.1375	.0000	-0.005

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0000	.0672	F .0013	.0003	.0005	.0000	.0001	-0.0031
Stddev	.0027	.0032	.0012	.0006	.0001	.0001	.0031	.0001	.0004
%RSD	1107.0	7492.	1.809	46.17	17.08	14.69	6995.	101.0	12.56
#1	-0.0028	-0.0019	.0667	.0014	.0004	.0005	.0036	.0001	-0.0030
#2	.0026	.0037	.0686	.0006	.0003	.0006	-0.0015	.0002	-0.0035
#3	.0003	-0.0018	.0663	.0018	.0003	.0005	-0.0019	.0000	-0.0027

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0000	.0672	F .0013	.0003	.0005	.0000	.0001	-0.0031
Stddev	.0027	.0032	.0012	.0006	.0001	.0001	.0031	.0001	.0004
%RSD	1107.0	7492.	1.809	46.17	17.08	14.69	6995.	101.0	12.56
#1	-0.0028	-0.0019	.0667	.0014	.0004	.0005	.0036	.0001	-0.0030
#2	.0026	.0037	.0686	.0006	.0003	.0006	-0.0015	.0002	-0.0035
#3	.0003	-0.0018	.0663	.0018	.0003	.0005	-0.0019	.0000	-0.0027

Sample Name: ICSA Acquired: 4/6/2016 13:21:28 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2075.7	4485.1	37406.	4546.4
Stddev	3.6	11.7	66.	18.2
%RSD	.17308	.26088	.17544	.39923
#1	2076.9	4471.7	37448.	4534.9
#2	2071.7	4490.4	37439.	4537.0
#3	2078.6	4493.2	37330.	4567.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0000	.0672	F .0013	.0003	.0005	.0000	.0001	-0.0031
Stddev	.0027	.0032	.0012	.0006	.0001	.0001	.0031	.0001	.0004
%RSD	1107.0	7492.	1.809	46.17	17.08	14.69	6995.	101.0	12.56
#1	-0.0028	-0.0019	.0667	.0014	.0004	.0005	.0036	.0001	-0.0030
#2	.0026	.0037	.0686	.0006	.0003	.0006	-0.0015	.0002	-0.0035
#3	.0003	-0.0018	.0663	.0018	.0003	.0005	-0.0019	.0000	-0.0027

Sample Name: ICSAB Acquired: 4/6/2016 13:29:05 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.001	496.5	1.063	.5001	.4967	473.1	.9210	.4584	.4923
Stddev	.002	4.2	.006	.0016	.0024	1.7	.0009	.0012	.0039
%RSD	.2426	.8538	.5319	.3176	.4917	.3562	.0948	.2534	.7882
#1	1.000	497.6	1.057	.5007	.4939	471.8	.9204	.4571	.4904
#2	.9993	491.8	1.062	.5013	.4983	472.4	.9206	.4588	.4897
#3	1.004	500.1	1.069	.4983	.4979	475.0	.9220	.4593	.4967

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5286	180.8	.0995	524.2	.4915	.9198	.1367	.9173	.9287
Stddev	.0008	.4	.0302	2.6	.0028	.0030	.0025	.0019	.0010
%RSD	.1544	.2376	30.38	.4869	.5625	.3306	1.821	.2038	.1107
#1	.5286	180.6	.0748	523.7	.4909	.9165	.1339	.9158	.9298
#2	.5293	180.5	.0905	521.9	.4891	.9205	.1376	.9167	.9286
#3	.5277	181.3	.1332	526.9	.4945	.9225	.1386	.9194	.9277

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.001	.9975	.1106	.9231	1.010	.9934	.9440	.4571	.9211
Stddev	.004	.0114	.0008	.0026	.002	.0030	.0068	.0027	.0013
%RSD	.4403	1.146	.6881	.2824	.1890	.3030	.7152	.5902	.1415
#1	.9996	.9873	.1104	.9225	1.008	.9936	.9395	.4561	.9215
#2	.9977	.9952	.1100	.9208	1.012	.9903	.9407	.4550	.9197
#3	1.006	1.010	.1115	.9259	1.010	.9963	.9518	.4601	.9222

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.001	.9975	.1106	.9231	1.010	.9934	.9440	.4571	.9211
Stddev	.004	.0114	.0008	.0026	.002	.0030	.0068	.0027	.0013
%RSD	.4403	1.146	.6881	.2824	.1890	.3030	.7152	.5902	.1415
#1	.9996	.9873	.1104	.9225	1.008	.9936	.9395	.4561	.9215
#2	.9977	.9952	.1100	.9208	1.012	.9903	.9407	.4550	.9197
#3	1.006	1.010	.1115	.9259	1.010	.9963	.9518	.4601	.9222

Sample Name: ICSAB Acquired: 4/6/2016 13:29:05 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2037.5	4480.5	37167.	4499.3
Stddev	1.7	7.4	115.	21.0
%RSD	.08321	.16517	.30968	.46735
#1	2038.9	4489.0	37139.	4491.7
#2	2035.6	4475.5	37294.	4523.0
#3	2038.0	4477.0	37069.	4483.1

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.001	.9975	.1106	.9231	1.010	.9934	.9440	.4571	.9211
Stddev	.004	.0114	.0008	.0026	.002	.0030	.0068	.0027	.0013
%RSD	.4403	1.146	.6881	.2824	.1890	.3030	.7152	.5902	.1415
#1	.9996	.9873	.1104	.9225	1.008	.9936	.9395	.4561	.9215
#2	.9977	.9952	.1100	.9208	1.012	.9903	.9407	.4550	.9197
#3	1.006	1.010	.1115	.9259	1.010	.9963	.9518	.4601	.9222

Sample Name: CCV Acquired: 4/6/2016 13:35:47 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.251	40.64	2.006	2.004	2.040	40.56	2.044	2.036	2.053
Stddev	.0010	.04	.003	.002	.004	.03	.003	.002	.011
%RSD	.3793	.0951	.1623	.1124	.2225	.0658	.1391	.1094	.5343
#1	.2554	40.68	2.008	2.006	2.037	40.53	2.047	2.038	2.043
#2	.2559	40.61	2.002	2.002	2.045	40.57	2.042	2.036	2.065
#3	.2541	40.62	2.007	2.003	2.037	40.58	2.042	2.034	2.051

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.022	40.25	40.53	41.17	2.064	2.038	40.46	2.034	2.000
Stddev	.006	.02	.15	.04	.015	.001	.03	.003	.002
%RSD	.2877	.0490	.3714	.0909	.7017	.0570	.0651	.1208	.0908
#1	2.015	40.23	40.54	41.12	2.047	2.037	40.49	2.037	1.998
#2	2.025	40.25	40.38	41.18	2.074	2.039	40.46	2.034	1.999
#3	2.026	40.27	40.68	41.20	2.069	2.037	40.44	2.032	2.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.998	2.008	2.270	2.033	2.040	2.043	2.007	2.026	2.048
Stddev	.001	.004	.003	.003	.003	.007	.007	.004	.005
%RSD	.0621	.2013	.1165	.1671	.1234	.3587	.3755	.1713	.2679
#1	1.997	2.010	2.269	2.036	2.040	2.034	2.002	2.023	2.055
#2	1.999	2.003	2.273	2.029	2.043	2.048	2.003	2.030	2.044
#3	1.997	2.009	2.268	2.033	2.038	2.046	2.016	2.027	2.046

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/6/2016 13:35:47 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2305.7	4806.2	40771.	4765.0
Stddev	2.7	6.6	258.	12.1
%RSD	.11571	.13680	.63398	.25486
#1	2308.5	4804.0	41054.	4767.4
#2	2303.2	4801.0	40711.	4751.9
#3	2305.3	4813.6	40547.	4775.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 4/6/2016 13:41:52 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.054	0.003	0.002	0.001	0.073	0.001	0.002	-0.001
Stddev	.0003	.0064	.0004	.0001	.0000	.0022	.0000	.0000	.0000
%RSD	283.7	118.7	103.7	66.56	28.90	29.95	17.09	29.20	53.96
#1	-0.002	-0.017	-0.006	-0.003	-0.001	-0.057	-0.001	-0.002	-0.001
#2	-0.002	-0.072	-0.001	-0.001	-0.001	-0.098	-0.001	-0.001	-0.001
#3	-0.003	-0.107	-0.004	-0.001	-0.001	-0.064	-0.002	-0.002	-0.000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.090	0.032	-0.0279	0.001	0.009	0.025	-0.001	0.007
Stddev	.0000	.0014	.0281	.0146	.0000	.0001	.0032	.0001	.0002
%RSD	80.45	15.45	84.72	52.40	16.79	13.31	130.1	169.1	30.92
#1	-0.001	0.104	0.498	-0.444	0.001	0.010	0.003	0.000	0.008
#2	-0.001	0.089	0.490	-0.233	0.001	0.008	0.062	-0.001	0.008
#3	0.000	0.077	0.007	-0.162	0.001	0.008	0.010	0.000	0.004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.001	-0.011	0.004	0.002	0.005	-0.005	0.001	0.001
Stddev	.0009	.0010	.0002	.0005	.0001	.0001	.0007	.0002	.0001
%RSD	176.2	943.0	21.72	111.1	30.59	18.81	130.9	258.4	118.4
#1	0.010	-0.010	-0.013	0.010	0.002	0.006	-0.013	-0.002	0.001
#2	-0.004	0.005	-0.012	0.001	0.003	0.004	-0.002	0.002	0.000
#3	-0.007	0.008	-0.009	0.002	0.002	0.005	-0.001	0.002	0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/6/2016 13:41:52 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2618.2	5001.1	41936.	4780.9
Stddev	6.5	6.3	106.	34.2
%RSD	.24829	.12580	.25276	.71636
#1	2618.0	5000.5	41987.	4742.5
#2	2611.9	4995.1	41814.	4791.8
#3	2624.9	5007.6	42007.	4808.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30212-MB1 Acquired: 4/6/2016 13:45:49 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0101	-0.0023	.0009	-0.0011	.0476	-0.001	-0.001	.0002
Stddev	.0001	.0049	.0003	.0002	.0000	.0041	.0000	.0001	.0003
%RSD	49.00	48.11	11.90	22.36	30.98	8.632	19.65	58.81	110.0

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0364	.0411	.0019	.0005	.0008	.0065	-0.001	.0004
Stddev	.0001	.0025	.0165	.0113	.0000	.0000	.0042	.0001	.0005
%RSD	125.0	6.963	40.24	591.2	.5790	4.724	64.75	174.1	123.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	-0.0007	.0107	.0206	.0001	.0007	-0.0021	.0000	.0004
Stddev	.0006	.0004	.0003	.0004	.0000	.0001	.0004	.000	.0000
%RSD	204.6	59.43	3.043	1.804	14.09	12.64	19.74	1128.	4.762

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30212-MB1 Acquired: 4/6/2016 13:45:49 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2642.8	5019.0	43041.	4821.5
Stddev	3.2	8.5	207.	18.1
%RSD	.12030	.17016	.48202	.37537

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

#1	2642.0	5021.9	42825.	4804.5
#2	2640.2	5009.3	43061.	4819.5
#3	2646.4	5025.6	43238.	4840.5

7.2
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Sample Name: MP30212-B1 Acquired: 4/6/2016 13:50:21 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0458	28.86	1.937	2.038	.0527	26.98	.0509	.5097	.2113
Stddev	.0006	.08	.006	.011	.0002	.08	.0001	.0006	.0009
%RSD	1.366	.2832	.2951	.5323	.4073	.3114	.1219	.1114	.4095

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2615	28.49	26.52	27.58	.5332	.5236	26.63	.5135	.4705
Stddev	.0005	.10	.10	.25	.0020	.0006	.11	.0004	.0012
%RSD	.1846	.3622	.3727	.9171	.3816	.1153	.4119	.0808	.2469

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4854	1.942	.0197	.5370	.5134	.5282	1.865	.4946	.5145
Stddev	.0022	.004	.0001	.0011	.0033	.0012	.002	.0026	.0012
%RSD	.4625	.2235	.5480	.2046	.6419	.2221	.0998	.5244	.2265

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30212-B1 Acquired: 4/6/2016 13:50:21 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2447.5	4884.8	41417.	4758.9
Stddev	3.4	9.4	83.	28.0
%RSD	.13977	.19217	.20013	.58866

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

#1	2443.9	4879.1	41404.	4739.7
#2	2450.7	4895.7	41341.	4791.1
#3	2447.9	4879.7	41505.	4746.0

Sample Name: FA32465-10 Acquired: 4/6/2016 13:54:33 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	2354	584.9	6492	F 220.6	.0013	1837.	.5181	.3270	13.20
Stddev	.0035	3.6	.0097	3.5	.0001	10.	.0077	.0030	.06
%RSD	1.488	.6216	1.492	1.577	8.180	.5620	1.495	.9320	.4391
#1	.2316	582.1	.6466	218.6	.0012	1831.	.5254	.3304	13.27
#2	.2384	589.0	.6599	224.6	.0014	1849.	.5100	.3247	13.16
#3	.2362	583.5	.6411	218.5	.0013	1831.	.5189	.3258	13.18
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	F 59.95	3999.	11.66	860.1	38.68	3.673	12.35	3.182	18.42
Stddev	.07	23.	.26	8.5	.37	.0055	.06	.004	.05
%RSD	.1234	.5868	2.218	.9939	.9471	1.509	.5205	.1291	.2572
#1	59.96	3981.	11.73	854.5	38.33	3.689	12.27	3.186	18.38
#2	60.02	4026.	11.88	869.9	39.06	3.719	12.40	3.177	18.41
#3	59.87	3991.	11.38	855.8	38.64	3.611	12.37	3.181	18.48
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(In2306)
Avg	.7293	-0.201	2.259	1.761	18.51	7.042	-0.168	4.005	33.52
Stddev	.0053	.0138	.014	.007	.06	.012	.0073	.0037	.02
%RSD	.7234	68.71	.6210	.3987	.3253	.1726	43.44	9.360	.0587
#1	.7345	-.0341	2.275	1.765	18.45	7.054	-.0097	4.026	33.50
#2	.7240	-.0064	2.256	1.753	18.55	7.044	-.0165	3.962	33.51
#3	.7294	-.0199	2.247	1.765	18.55	7.029	-.0243	4.027	33.54
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2372.4	4674.0	4038.1	4721.2					
Stddev	1.4	15.1	99.	40.5					
%RSD	.06003	.32253	.24553	.85815					
#1	2373.4	4656.7	4041.7	4748.6					
#2	2370.8	4680.8	4026.9	4674.7					
#3	2373.0	4684.5	4045.8	4740.3					

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Sample Name: MP30212-D1 Acquired: 4/6/2016 13:59:05 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.1945	598.9	.7216	F 230.3	.0007	1604.	.5607	.3604	12.97
Stddev	.0041	3.2	.0093	2.9	.0002	5.	.0066	.0010	.04
%RSD	2.121	.5323	1.285	1.257	21.26	.3384	1.174	.2907	.2844
#1	.1988	600.5	.7303	227.8	.0009	1610.	.5539	.3592	12.99
#2	.1942	601.0	.7118	233.4	.0007	1600.	.5612	.3608	12.93
#3	.1906	595.3	.7227	229.6	.0006	1602.	.5670	.3612	13.00
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	F 59.97	F 4408.	12.03	767.0	39.99	3.457	11.46	3.374	11.70
Stddev	.05	16.	.19	5.8	.11	.0029	.04	.005	.04
%RSD	.0865	.3630	1.555	.7598	.2790	.8402	.3587	.1472	.3407
#1	60.03	4422.	12.18	770.3	40.11	3.464	11.49	3.373	11.74
#2	59.94	4412.	11.82	770.4	39.90	3.425	11.41	3.369	11.66
#3	59.94	4391.	12.08	760.3	39.95	3.482	11.47	3.379	11.70
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	.7067	-0.078	2.583	1.676	15.44	7.615	-0.300	5.388	27.42
Stddev	.0183	.0154	.015	.005	.05	.017	.0099	.0025	.10
%RSD	2.591	40.78	.5644	.2925	.2953	2.174	33.11	4.607	.3593
#1	.7191	-.0389	2.576	1.679	15.48	7.613	-.0314	5.384	27.49
#2	.7152	-.0526	2.574	1.670	15.45	7.600	-.0391	5.414	27.31
#3	.6856	-.0219	2.600	1.678	15.39	7.632	-.0194	5.365	27.46
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2377.2	4645.1	4048.6	4747.9					
Stddev	2.1	11.7	18.	24.0					
%RSD	.08836	.25280	.04468	.50510					
#1	2379.4	4658.3	4050.2	4730.1					
#2	2376.8	4641.1	4049.0	4738.4					
#3	2375.3	4635.8	4046.6	4775.2					

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Sample Name: MP30212-D2 Acquired: 4/6/2016 14:03:37 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.2074	622.0	.6991	F 205.8	.0009	1574.	.3762	.3688	10.94
Stddev	.0058	3.2	.0084	2.3	.0007	7.	.0023	.0018	.03
%RSD	2.796	.5191	1.206	1.128	82.56	.4594	.6210	.4869	.2790
#1	.2031	625.7	.7014	207.8	.0001	1581.	.3737	.3676	10.91
#2	.2051	620.5	.7062	206.4	.0011	1574.	.3764	.3708	10.97
#3	.2140	619.8	.6898	203.3	.0015	1567.	.3784	.3679	10.94
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	F 78.09	F 4048.	11.39	802.2	39.66	4.092	11.68	4.202	13.09
Stddev	.32	21.	.19	5.5	.25	.0039	.03	.010	.05
%RSD	.4117	.5106	1.664	.6874	.6426	.9474	.2803	.2383	.3721
#1	77.72	4070.	11.25	808.3	39.37	4.127	11.70	4.200	13.08
#2	78.32	4045.	11.31	800.7	39.84	4.099	11.69	4.213	13.15
#3	78.23	4029.	11.61	797.5	39.76	4.051	11.64	4.193	13.05
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.7358	-0.326	2.106	1.488	15.97	7.484	-0.225	5.739	F 42.61
Stddev	.0023	.0294	.010	.006	.06	.020	.0219	.0068	.09
%RSD	.3083	90.12	.4673	.4363	.4065	.2682	97.33	1.188	.2016
#1	.7384	-.0643	2.100	1.482	16.04	7.465	.0018	5.660	42.59
#2	.7343	-.0271	2.099	1.488	15.96	7.505	-.0286	5.771	42.70
#3	.7346	-.0063	2.117	1.495	15.91	7.483	-.0408	5.784	42.53
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2332.9	4546.4	3982.1	4718.8					
Stddev	3.3	5.0	199.	29.7					
%RSD	.13936	.11032	.50012	.62949					
#1	2334.6	4551.5	4003.0	4692.1					
#2	2329.1	4541.4	3963.4	4713.5					
#3	2334.8	4546.2	3980.0	4750.8					

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Sample Name: MP30212-SD1 Acquired: 4/6/2016 14:08:10 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 50.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.2074	527.7	.5823	F 210.5	-0.013	1696.	.4439	.3083	13.90
Stddev	.0095	.6	.0789	.2	.0023	4.	.0046	.0036	.66
%RSD	4.574	.1132	13.55	.0985	180.5	2.085	1.046	1.180	4.744
#1	.2064	528.2	.6093	210.5	.0005	1699.	.4440	.3116	14.47
#2	.2174	527.9	.4935	210.3	-.0039	1695.	.4391	.3044	14.05
#3	.1985	527.0	.6442	210.7	-.0004	1692.	.4484	.3091	13.18
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	53.82	3927.	10.15	784.7	37.53	3.350	10.32	2.962	17.72
Stddev	.11	5.	1.02	1.2	.11	.0038	.22	.012	.01
%RSD	.1959	.1338	10.05	.1552	.2964	1.130	2.104	.3900	.0387
#1	53.71	3923.	11.23						

Sample Name: MP30212-PS1 Acquired: 4/6/2016 14:12:30 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1-3, Int. Std., Avg, Stddev, %RSD, #1-3).

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Sample Name: MP30212-S1 Acquired: 4/6/2016 14:17:11 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1-3, Int. Std., Avg, Stddev, %RSD, #1-3).

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Sample Name: MP30212-S2 Acquired: 4/6/2016 14:21:50 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1-3, Int. Std., Avg, Stddev, %RSD, #1-3).

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Sample Name: FA32465-1 Acquired: 4/6/2016 14:26:23 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1-3, Int. Std., Avg, Stddev, %RSD, #1-3).

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Sample Name: CCV Acquired: 4/6/2016 14:30:53 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2568	40.93	2.024	1.998	2.035	40.34	2.067	2.071	2.044
Stddev	.0014	.14	.005	.011	.004	.11	.003	.005	.002
%RSD	.5493	.3373	.2387	.5296	.1992	.2641	.1346	.2227	.0783

#1	.2578	40.94	2.018	1.990	2.034	40.40	2.065	2.067	2.045
#2	.2552	40.78	2.026	1.993	2.031	40.21	2.070	2.076	2.042
#3	.2573	41.06	2.027	2.010	2.039	40.39	2.066	2.071	2.044

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.035	40.24	40.51	41.30	2.040	2.072	40.60	2.051	1.995
Stddev	.005	.07	.14	.24	.004	.004	.18	.003	.004
%RSD	.2598	.1841	.3558	.5765	.2109	.1891	.4380	.1672	.1960

#1	2.040	40.32	40.42	41.56	2.043	2.068	40.53	2.048	1.997
#2	2.030	40.18	40.43	41.11	2.035	2.076	40.47	2.055	1.990
#3	2.034	40.21	40.67	41.22	2.042	2.073	40.80	2.050	1.997

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.020	2.039	2.300	2.041	2.036	2.026	2.004	2.012	2.052
Stddev	.005	.006	.004	.003	.007	.002	.003	.002	.001
%RSD	.2433	.3029	.1768	.1497	.3424	.0943	.1442	.0863	.0379

#1	2.015	2.032	2.296	2.037	2.030	2.028	2.002	2.010	2.051
#2	2.024	2.044	2.304	2.043	2.035	2.024	2.007	2.013	2.052
#3	2.022	2.040	2.299	2.042	2.044	2.026	2.002	2.011	2.053

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/6/2016 14:30:53 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2294.4	4744.8	4087.5	4753.9
Stddev	1.5	9.4	62.	13.5
%RSD	.06660	.19815	.15113	.28494

#1	2293.0	4749.5	4081.1	4748.4
#2	2294.1	4734.0	4093.5	4769.3
#3	2296.0	4750.9	4087.8	4743.9

Sample Name: CCB Acquired: 4/6/2016 14:35:03 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0007	.0008	.0005	.0003	.0124	.0002	.0002	-.0001
Stddev	.0002	.0052	.0004	.0001	.0000	.0013	.0001	.0001	.0001
%RSD	156.6	746.0	48.02	15.69	10.91	10.30	27.63	39.02	121.6

#1	-.0001	-.0049	.0009	.0005	.0003	.0109	.0002	.0002	.0000
#2	.0002	.0015	.0004	.0005	.0003	.0129	.0003	.0003	-.0002
#3	.0003	.0055	.0011	.0006	.0003	.0133	.0002	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0212	.0472	-.0041	.0003	F.0013	.0033	.0000	F.0012
Stddev	.0001	.0046	.0110	.0164	.0000	.0003	.0042	.000	.0005
%RSD	14170.	21.86	23.23	398.9	14.27	26.93	127.1	237300.	41.02

#1	-.0002	.0259	.0413	-.0170	.0003	.0016	.0055	.0002	.0013
#2	.0001	.0211	.0599	.0143	.0003	.0012	-.0015	-.0001	.0007
#3	.0001	.0166	.0406	-.0096	.0002	.0009	.0059	-.0001	.0016

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Fail
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0005	-.0004	.0000	.0004	.0012	.0002	.0002	.0002
Stddev	.0015	.0015	.0004	.0002	.0000	.0001	.0002	.0002	.0001
%RSD	1476.	281.1	109.0	1647.	13.08	9.558	102.1	100.6	37.81

#1	.0010	.0002	.0000	.0003	.0004	.0013	.0005	.0003	.0002
#2	.0005	-.0008	-.0003	.0000	.0004	.0013	.0001	.0000	.0003
#3	-.0018	.0022	-.0008	-.0002	.0003	.0011	.0001	.0002	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/6/2016 14:35:03 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2611.3	4927.1	4223.7	4803.8
Stddev	3.0	4.0	199.	6.3
%RSD	.11341	.08213	.47149	.13121

#1	2614.7	4931.7	4224.4	4805.2
#2	2610.0	4924.1	4203.4	4809.3
#3	2609.2	4925.4	4243.2	4797.0

Sample Name: FA32465-2 Acquired: 4/6/2016 14:39:36 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0045	178.0	.0347	.4494	.0012	F 5764.	.0243	.0463	.3302
Stddev	.0004	.9	.0131	.0026	.0002	81.	.0001	.0011	.0015
%RSD	9.935	.5335	37.75	.5722	17.67	1.414	.4405	2.281	.4466
#1	.0049	177.0	.0333	.4502	.0010	5673.	.0243	.0472	.3308
#2	.0044	178.1	.0485	.4465	.0013	5790.	.0244	.0451	.3313
#3	.0040	178.8	.0224	.4515	.0014	5829.	.0242	.0464	.3286
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5820	165.4	10.50	67.95	6.550	.0143	15.66	.1087	.4417
Stddev	.0030	.9	.27	.60	.026	.0010	.14	.0003	.0061
%RSD	.5141	.5520	2.592	.8785	.3994	6.905	.9017	.3091	1.384
#1	.5788	164.4	10.72	67.32	6.553	.0154	15.55	.1091	.4430
#2	.5847	165.5	10.19	68.05	6.575	.0138	15.63	.1087	.4351
#3	.5825	166.2	10.58	68.50	6.523	.0136	15.82	.1084	.4471
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0171	.0259	2.781	.0323	7.482	5.271	-.0024	.3664	1.131
Stddev	.0044	.0207	.002	.0023	.027	.005	.0140	.0009	.010
%RSD	25.67	79.73	.0854	7.246	.3613	.0863	586.5	2.458	.8572
#1	.0176	.0052	2.782	.0341	7.453	5.269	-.0038	.3672	1.121
#2	.0211	.0261	2.778	.0331	7.487	5.277	.0122	.3666	1.132
#3	.0124	.0466	2.783	.0297	7.506	5.269	-.0155	.3655	1.141
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2207.4	4608.5	3970.4	4689.2					
Stddev	7.2	8.8	147.	26.4					
%RSD	.32658	.19066	.37141	.56238					
#1	2199.1	4598.5	39664.	4719.4					
#2	2212.1	4614.9	39581.	4670.9					
#3	2211.0	4612.1	39868.	4677.3					

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Sample Name: FA32465-3 Acquired: 4/6/2016 14:44:05 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0089	84.02	.0169	.2964	-.0001	F 6621.	.0222	.0305	.2563
Stddev	.0003	.41	.0052	.0036	.0006	64.	.0004	.0003	.0007
%RSD	3.397	.4851	30.67	1.216	390.9	.9605	1.714	.8406	.2668
#1	.0090	84.47	.0224	.3003	-.0004	6693.	.0219	.0302	.2567
#2	.0085	83.68	.0120	.2931	-.0005	6601.	.0226	.0307	.2555
#3	.0091	83.89	.0164	.2957	.0005	6571.	.0220	.0305	.2567
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3712	97.48	6.617	47.99	3.839	.0108	7.967	.1100	.4458
Stddev	.0016	.80	.192	.83	.012	.0004	.043	.0013	.0060
%RSD	.4237	.8231	2.899	1.736	.3078	3.936	.5447	1.226	1.344
#1	.3695	98.21	6.786	48.94	3.830	.0112	7.944	.1108	.4401
#2	.3725	96.62	6.656	47.41	3.852	.0103	7.939	.1107	.4452
#3	.3716	97.60	6.408	47.61	3.834	.0110	8.017	.1084	.4520
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0146	.0196	2.499	.0542	5.910	2.999	.0104	.3315	.8372
Stddev	.0110	.0100	.004	.0010	.008	.003	.0253	.0015	.0033
%RSD	75.02	50.96	.1808	1.834	.1325	.0933	244.1	.4619	.3908
#1	.0271	.0260	2.495	.0548	5.915	2.998	.0379	.3320	.8381
#2	.0100	.0248	2.498	.0549	5.901	3.002	-.0118	.3327	.8335
#3	.0067	.0081	2.504	.0531	5.914	2.997	.0050	.3298	.8399
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2175.0	4504.4	38827.	4622.5					
Stddev	7.0	4.2	88.	33.8					
%RSD	.32331	.09319	.22654	.73158					
#1	2182.2	4508.1	38914.	4584.2					
#2	2174.7	4505.3	38738.	4648.2					
#3	2168.1	4499.9	38830.	4635.2					

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Sample Name: FA32465-4 Acquired: 4/6/2016 14:48:36 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0019	173.0	.0294	.7840	.0009	F 6513.	.0228	.0575	.4032
Stddev	.0015	.6	.0025	.0090	.0002	17.	.0006	.0019	.0041
%RSD	78.50	.3553	8.644	1.151	21.35	.2566	2.801	3.247	1.013
#1	.0030	173.6	.0297	.7939	.0009	6530.	.0236	.0578	.3985
#2	.0026	172.8	.0267	.7818	.0007	6512.	.0224	.0592	.4059
#3	.0002	172.4	.0318	.7763	.0010	6497.	.0225	.0555	.4052
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4424	172.1	10.96	56.32	7.175	.0115	9.893	.1295	.4131
Stddev	.0017	.7	.30	.12	.014	.0011	.052	.0019	.0025
%RSD	.3828	.4070	2.717	.2208	.1885	9.899	.5306	1.444	.6115
#1	.4406	172.8	11.04	56.39	7.173	.0111	9.953	.1281	.4135
#2	.4427	171.9	11.21	56.18	7.189	.0106	9.865	.1316	.4104
#3	.4440	171.4	10.63	56.40	7.162	.0128	9.859	.1288	.4154
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0004	-.0067	3.033	.0287	5.222	6.111	.0062	.3930	1.178
Stddev	.0022	.0029	.002	.0007	.030	.013	.0218	.0025	.005
%RSD	582.5	44.10	.0758	2.348	.5741	.2116	353.5	.6394	.4047
#1	-.0017	-.0033	3.034	.0289	5.233	6.111	-.0169	.3901	1.174
#2	.0001	-.0080	3.034	.0292	5.245	6.125	.0089	.3943	1.176
#3	.0027	-.0087	3.030	.0279	5.188	6.099	.0265	.3947	1.183
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2178.1	4569.7	39679.	4770.5					
Stddev	8.0	7.4	66.	28.5					
%RSD	.36557	.16098	.16669	.59670					
#1	2176.4	4573.2	39603.	4738.5					
#2	2171.2	4561.2	39707.	4793.2					
#3	2186.8	4574.6	39726.	4779.6					

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Sample Name: FA32465-5 Acquired: 4/6/2016 14:53:06 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0003	439.0	.0801	.6933	.0039	4931.	.0212	.1336	.6834
Stddev	.0038	2.5	.0059	.0016	.0004	6.	.0005	.0007	.0019
%RSD	1154.	.5778	7.348	.2248	9.854	.1184	2.412	.5566	.2781
#1	.0043	440.6	.0740	.6923	.0036	4935.	.0216	.1344	.6818
#2	.0001	440.3	.0857	.6925	.0038	4924.	.0206	.1329	.6855
#3	-.0033	436.1	.0806	.6951	.0044	4934.	.0213	.1336	.6830
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	6.435	413.5	19.36	64.11	13.58	.0082	11.59	.1477	.3525
Stddev	.015	1.6	.22	.58	.01	.0008	.09	.0005	.0082
%RSD	.2377	.3912	1.118	.9006	.0626	9.634	.7683	.3570	2.315
#1	6.446	415.1	19.46	64.77	13.58	.0090	11.63	.1473	.3617
#2	6.418	413.6	19.12	63.68	13.59	.0075	11.65	.1483	.3462
#3	6.442	411.9	19.52	63.88	13.57	.0079	11.49	.1475	.3495
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0058	.0138	3.066						

Sample Name: FA32465-6 Acquired: 4/6/2016 14:57:35 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	.0045	100.2	.0233	.2134	-0.0011	F 5933.	.0173	.0338	.2677
Stddev	.0036	.2	.0029	.0024	.0005	.97	.0002	.0008	.0021
%RSD	80.71	.2457	12.57	1.146	747.8	1.627	1.072	2.268	.7662
#1	.0033	100.5	.0205	.2107	-.0005	5892.	.0173	.0336	.2683
#2	.0017	99.97	.0231	.2154	-.0004	5864.	.0171	.0331	.2654
#3	.0086	100.3	.0264	.2141	-.0001	6043.	.0175	.0346	.2693
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3334	103.2	6.914	45.20	4.526	.0086	6.917	1.042	.2229
Stddev	.0011	.5	.362	.29	.012	.0005	.095	.0016	.0086
%RSD	.3389	.4686	5.233	.6364	.2689	5.475	1.373	1.517	3.871
#1	.3322	103.7	7.174	45.36	4.517	.0084	6.969	1.053	.2262
#2	.3344	102.7	6.501	44.86	4.539	.0092	6.975	1.024	.2132
#3	.3336	103.3	7.067	45.36	4.520	.0083	6.808	1.049	.2295
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0055	.0135	2.103	.0183	4.527	3.219	.0017	.3095	.6684
Stddev	.0086	.0090	.003	.0033	.021	.005	.0145	.0030	.0027
%RSD	156.8	66.97	.1391	17.98	.4644	.1700	854.7	9743	.4058
#1	.0044	.0231	2.101	.0220	4.552	3.223	.0137	.3122	.6712
#2	-.0094	.0124	2.102	.0158	4.513	3.212	.0058	.3100	.6658
#3	-.0115	.0251	2.106	.0170	4.517	3.220	-.0144	.3063	.6680
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2209.1	4578.9	3906.0	4588.0					
Stddev	7.1	10.3	94.	49.4					
%RSD	.32082	.22587	.24086	1.0776					
#1	2215.2	4590.8	39138.	4579.0					
#2	2210.8	4571.8	38955.	4641.3					
#3	2201.4	4574.1	39087.	4543.7					

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Sample Name: FA32465-7 Acquired: 4/6/2016 15:02:07 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.0016	432.4	.0926	1.329	.0036	4287.	.0255	.1038	.4466
Stddev	.0008	2.1	.0045	.005	.0004	20.	.0010	.0004	.0019
%RSD	49.85	.4963	4.894	.3446	9.907	.4598	4.011	.3592	.4288
#1	-.0010	433.7	.0911	1.326	.0036	4283.	.0247	.1035	.4445
#2	-.0025	430.0	.0977	1.327	.0032	4270.	.0267	.1036	.4483
#3	-.0013	433.7	.0890	1.334	.0039	4309.	.0252	.1042	.4470
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	11.43	357.3	22.94	457.0	17.98	.0120	86.17	.2162	.6548
Stddev	.03	1.4	.28	2.8	.06	.0014	.46	.0025	.0054
%RSD	.2617	.3957	1.208	.6196	.3251	11.65	.5310	1.165	.8195
#1	11.42	358.1	23.13	458.5	17.93	.0128	86.51	.2136	.6610
#2	11.46	355.7	23.06	453.7	18.04	.0104	85.65	.2164	.6515
#3	11.40	358.2	22.62	458.8	17.97	.0128	86.37	.2187	.6519
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0131	.0137	2.914	.0314	32.30	6.377	-.0070	.4456	3.763
Stddev	.0102	.0165	.004	.0021	.06	.014	.0118	.0007	.006
%RSD	78.23	120.8	.1408	6.741	.1758	.2230	167.5	.1663	.1685
#1	-.0015	.0310	2.910	.0326	32.36	6.362	-.0150	.4464	3.762
#2	-.0211	.0118	2.913	.0290	32.24	6.390	-.0126	.4452	3.757
#3	-.0166	-.0018	2.918	.0328	32.29	6.379	.0065	.4452	3.769
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2199.9	4883.6	42209.	4912.6					
Stddev	1.0	7.7	101.	34.5					
%RSD	.04517	.15675	.23966	.70311					
#1	2198.8	4891.2	42296.	4879.4					
#2	2200.3	4875.8	42098.	4948.4					
#3	2200.6	4883.8	42234.	4910.0					

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Sample Name: FA32465-8 Acquired: 4/6/2016 15:06:37 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	.6332	401.7	.6777	F 64.71	.0028	2974.	.5241	.3282	3.804
Stddev	.0057	1.3	.0061	.87	.0001	28.	.0025	.0016	.021
%RSD	.9063	.3260	.8956	1.344	3.774	.9284	.4774	.5016	.5611
#1	.6302	400.4	.6711	63.87	.0029	2944.	.5269	.3274	3.813
#2	.6296	403.0	.6789	64.66	.0027	2997.	.5231	.3271	3.780
#3	.6399	401.9	.6831	65.61	.0028	2981.	.5223	.3301	3.819
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	F 48.41	2607.	22.97	232.1	F 67.50	.2043	20.39	1.892	31.59
Stddev	.15	13.	.38	2.2	.49	.0022	.11	.004	.10
%RSD	.3002	.5082	1.664	.9597	.7301	1.085	.5493	.2288	.3318
#1	48.26	2592.	22.53	229.7	66.99	.2040	20.26	1.897	31.50
#2	48.41	2615.	23.20	234.1	67.53	.2023	20.46	1.888	31.71
#3	48.55	2614.	23.18	232.6	67.97	.2067	20.44	1.891	31.56
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.601	-.0290	2.910	5.470	16.85	9.653	-.0020	.3838	F 64.42
Stddev	.018	.0095	.012	.011	.04	.014	.0185	.0010	.10
%RSD	.3299	32.80	.4154	.1956	.2309	.1475	927.9	.2657	.1511
#1	5.617	-.0362	2.917	5.479	16.80	9.646	.0187	.3847	64.50
#2	5.604	-.0182	2.896	5.458	16.88	9.644	-.0170	.3827	64.45
#3	5.581	-.0324	2.917	5.474	16.86	9.669	-.0077	.3840	64.31
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2334.6	4683.8	40618.	4706.3					
Stddev	3.9	8.0	108.	17.7					
%RSD	.16650	.17007	.26539	.37523					
#1	2338.5	4685.7	40597.	4725.7					
#2	2330.7	4690.7	40734.	4691.1					
#3	2334.6	4675.1	40521.	4702.2					

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Sample Name: FA32465-9 Acquired: 4/6/2016 15:11:20 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-.0900	548.1	.6310	F 180.6	.0086	2195.	2.029	.3123	11.93
Stddev	.0036	1.5	.0071	3.1	.0002	16.	.006	.0022	.05
%RSD	3.996	.2748	1.133	1.737	2.471	.7180	.3113	.6907	.3897
#1	.0917	549.6	.6383	182.0	.0086	2213.	2.022	.3139	11.88
#2	.0924	546.6	.6240	182.9	.0084	2188.	2.033	.3098	11.92
#3	.0859	548.2	.6307	177.1	.0089	2183.	2.033	.3131	11.98
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	F 42.85	F 4407.	10.47	716.8	F 52.05	4.183	15.20	3.262	8.950
Stddev	.14	18.	.07	3.1	.09	.0019	.01	.004	.024
%RSD	.3244	.4065	.6925	.4332	.1774	.4565	.0788	.1085	.2655
#1	42.94	4428.	10.40	720.3	52.02	4.194	15.22	3.258	8.934
#2	42.93	4396.	10.48	714.6	51.97	4.194	15.20	3.265	8.939
#3	42.69	4397.	10.54	715.5	52.15	4.161	15.20	3.263	8.977

Sample Name: FA32465-11 Acquired: 4/6/2016 15:16:03 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.024	914.2	2.275	95.11	0.121	F 6481.	0.366	4.109	1.704
Stddev	0.010	4.8	0.078	0.050	0.004	68.	0.006	0.008	0.07
%RSD	43.40	.5267	3.410	.5224	3.716	1.057	1.713	.1884	.4036
#1	-0.034	908.8	2.188	94.93	0.116	6408.	0.373	4.100	1.697
#2	-0.013	918.1	2.337	94.73	0.123	6543.	0.360	4.111	1.710
#3	-0.025	915.7	2.301	95.68	0.124	6491.	0.365	4.115	1.707
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.325	1089.	42.56	87.97	F 45.90	0.497	11.38	4.167	3.187
Stddev	0.04	6.	.41	.99	.28	.0017	.05	.0020	0.069
%RSD	.2758	.5731	.9520	1.131	.6065	3.354	.4303	.4708	2.166
#1	1.322	1084.	42.23	87.08	45.59	.0513	11.32	4.144	3.153
#2	1.324	1096.	43.01	89.05	46.13	.0498	11.41	4.180	3.267
#3	1.329	1089.	42.43	87.78	45.98	.0479	11.41	4.177	3.143
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.263	-0.004	6.223	0.278	8.756	32.23	0.119	1.347	9819
Stddev	0.050	0.087	.024	0.065	.027	.27	0.086	.004	0.020
%RSD	18.90	2314.	.3809	23.27	.3067	8.287	72.37	3.126	2.053
#1	-0.297	-0.104	6.196	0.332	8.729	32.06	0.027	1.343	9824
#2	-0.206	0.051	6.237	0.206	8.755	32.10	0.131	1.351	9835
#3	-0.286	0.042	6.237	0.295	8.783	32.54	0.198	1.347	9796
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2140.8	5277.1	45659.	5316.0					
Stddev	3.2	17.6	158.	47.7					
%RSD	.14990	.33262	.34499	.89668					
#1	2141.2	5293.3	45837.	5358.6					
#2	2137.4	5279.5	45600.	5264.5					
#3	2143.7	5258.4	45539.	5324.9					

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Sample Name: FA32465-12 Acquired: 4/6/2016 15:20:48 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.000	1087.	2.161	1.813	0.170	278.0	0.232	6.101	2.058
Stddev	0.032	2.	0.091	0.004	0.005	.2	0.005	0.033	.011
%RSD	24160.	.2108	4.191	.2170	2.809	.0647	2.023	.5454	.5479
#1	0.032	1086.	2.077	1.810	0.176	277.9	0.237	6.065	2.064
#2	-0.031	1086.	2.147	1.812	0.167	278.2	0.228	6.109	2.045
#3	-0.001	1090.	2.257	1.818	0.167	277.9	0.232	6.130	2.064
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.239	1350.	46.45	53.12	F 62.84	0.032	7.621	5.411	3.757
Stddev	0.02	1.	.17	.36	.13	0.011	0.059	0.030	0.133
%RSD	.1226	.0870	.3634	.6860	.2134	35.96	.7796	.5587	3.538
#1	1.239	1348.	46.41	52.71	63.00	.0042	7.590	5.422	3.609
#2	1.237	1350.	46.64	53.40	62.76	0.033	7.583	5.377	3.867
#3	1.240	1351.	46.31	53.26	62.77	0.020	7.689	5.435	3.794
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.092	0.085	2.747	0.158	1.216	F 43.62	0.056	1.840	8573
Stddev	0.028	0.032	0.005	0.023	0.007	.38	0.177	0.006	0.044
%RSD	30.28	415.1	.1869	14.66	.5479	8640	318.5	.3251	5.095
#1	0.060	0.030	2.742	0.146	1.222	44.03	0.188	1.839	8533
#2	0.105	-0.021	2.752	0.185	1.209	43.28	-0.146	1.834	8568
#3	0.110	0.025	2.748	0.143	1.216	43.55	0.125	1.846	8620
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2454.0	5995.8	51997.	5928.3					
Stddev	1.4	4.9	115.	18.2					
%RSD	.05764	.08105	.22185	.30685					
#1	2454.4	6001.1	51880.	5945.7					
#2	2452.5	5991.6	52111.	5909.4					
#3	2455.2	5994.6	52001.	5929.7					

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Sample Name: CCV Acquired: 4/6/2016 15:25:24 Type: QC
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2566	41.76	2.032	1.988	2.055	40.68	2.085	2.101	2.055
Stddev	0.015	.11	.004	.003	.007	.12	.006	.006	.007
%RSD	.5703	.2640	.1891	.1496	.3254	.2881	.3119	.2925	.3619
#1	2556	41.78	2.028	1.991	2.059	40.77	2.078	2.095	2.051
#2	2560	41.86	2.035	1.987	2.059	40.73	2.084	2.099	2.050
#3	2583	41.65	2.032	1.985	2.047	40.55	2.091	2.107	2.064

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Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.045	40.97	40.95	42.61	2.043	2.109	40.91	2.062	1.989
Stddev	0.006	.15	.08	.24	.006	.009	.09	.004	.004
%RSD	.2846	.3590	.2045	.5521	.3133	.4059	.2306	.1804	.2131
#1	2.039	40.98	40.91	42.74	2.039	2.102	41.00	2.060	1.984
#2	2.050	41.12	41.04	42.75	2.040	2.108	40.91	2.060	1.989
#3	2.048	40.82	40.89	42.34	2.050	2.119	40.81	2.066	1.992

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.036	2.052	2.318	2.035	2.045	2.023	1.987	1.997	2.056
Stddev	0.008	0.005	0.006	0.000	0.004	0.006	0.011	0.009	0.004
%RSD	.3748	.2686	.2589	.0144	.1783	.2765	.5270	.4768	.2079
#1	2.029	2.051	2.312	2.035	2.048	2.018	1.975	1.993	2.051
#2	2.035	2.048	2.319	2.035	2.046	2.022	1.991	1.991	2.056
#3	2.044	2.059	2.324	2.036	2.041	2.029	1.995	2.008	2.060

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

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Sample Name: CCV Acquired: 4/6/2016 15:25:24 Type: QC
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2290.5	4690.8	40819.	4605.3
Stddev	7.1	15.9	179.	18.6
%RSD	.31010	.33848	.43959	.40329
#1	2294.5	4700.7	41020.	4600.3
#2	2294.7	4699.4	40675.	4589.8
#3	2282.3	4672.5	40761.	4625.9

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Sample Name: CCB Acquired: 4/6/2016 15:29:35 Type: QC
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Units, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: CCB Acquired: 4/6/2016 15:29:35 Type: QC
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include #1-3.

Sample Name: FA32465-13 Acquired: 4/6/2016 15:34:08 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, IS Ref, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, IS Ref, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, IS Ref, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and #1-3.

Table with 4 columns: Int. Std. In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Table with 4 columns: Int. Std. In2306, Y_2243, Y_3600, Y_3710. Rows include #1-3.

Sample Name: FA32465-14 Acquired: 4/6/2016 15:38:54 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, IS Ref, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, IS Ref, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, IS Ref, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and #1-3.

Table with 4 columns: Int. Std. In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Table with 4 columns: Int. Std. In2306, Y_2243, Y_3600, Y_3710. Rows include #1-3.

Sample Name: FA32465-15 Acquired: 4/6/2016 15:43:30 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1-3, Int. Std., Avg, Stddev, %RSD, #1-3).

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Sample Name: FA32465-17 Acquired: 4/6/2016 15:52:40 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1-3, Int. Std., Avg, Stddev, %RSD, #1-3).

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Sample Name: FA32465-16 Acquired: 4/6/2016 15:48:06 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1-3, Int. Std., Avg, Stddev, %RSD, #1-3).

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Sample Name: FA32465-18 Acquired: 4/6/2016 15:57:08 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1-3, Int. Std., Avg, Stddev, %RSD, #1-3).

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7.2

Sample Name: FA32465-19 Acquired: 4/6/2016 16:01:37 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	1215.	2479	5928	0.133	468.2	0.008	3109	1.067
Stddev	0.016	3.	0.074	0.043	0.003	.3	0.011	0.002	.004
%RSD	571.6	.2439	2.987	.7257	1.956	.0555	130.8	.0744	.3650
#1	.0015	1215.	2399	5897	.0130	468.1	.0006	3111	1.071
#2	-0.017	1213.	2546	5909	.0133	467.9	-0.002	3108	1.063
#3	-0.007	1219.	2492	5977	.0135	468.4	.0019	3107	1.067
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	4639	1046.	40.36	128.9	27.98	0.074	46.78	1.905	2621
Stddev	0.027	2.	.27	.7	.17	.0017	.08	0.030	0.050
%RSD	.5790	.1954	.6696	.5796	.6086	23.48	.1808	1.599	1.912
#1	.4640	1045.	40.50	128.2	27.91	.0088	46.78	1.874	.2673
#2	.4611	1045.	40.05	128.8	28.17	.0054	46.86	1.906	.2573
#3	.4665	1049.	40.53	129.7	27.85	.0080	46.69	1.935	.2617
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0032	0.000	3.322	0.104	4.243	42.02	-0.082	1.699	7.885
Stddev	0.115	0.0263	.004	0.027	.006	.10	0.056	.005	0.023
%RSD	353.7	85840.	.1304	26.32	.1414	.2378	68.74	.2698	.2938
#1	-0.046	.0268	3.317	.0125	4.238	41.93	-0.104	1.701	.7889
#2	-0.140	-0.058	3.322	.0113	4.240	41.98	-0.123	1.694	.7906
#3	.0088	-0.009	3.326	.0073	4.249	42.13	-0.018	1.702	.7860
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2408.2	5654.9	49389.	5600.4					
Stddev	3.3	11.2	50.	20.1					
%RSD	.13854	.19823	.10206	.35971					
#1	2405.5	5662.6	49436.	5612.6					
#2	2412.0	5660.1	49336.	5611.4					
#3	2407.2	5642.1	49396.	5577.1					

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Sample Name: FA32465-20 Acquired: 4/6/2016 16:06:14 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.266	1300.	6016	3.599	0.161	70.14	0.064	8693	1.003
Stddev	0.029	4.	0.094	0.020	0.002	.39	0.007	0.039	.004
%RSD	10.87	.3086	1.561	.5490	1.437	.5505	.7719	.4523	.3491
#1	.0252	1297.	5980	3.604	.0159	69.69	.0972	8649	1.003
#2	.0299	1298.	6123	3.577	.0163	70.33	.0963	8703	1.006
#3	.0247	1304.	5946	3.616	.0161	70.40	.0957	8726	.9989
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.130	1728.	92.15	92.11	F 233.0	1.098	17.55	1.430	3.873
Stddev	.013	5.	.64	.54	1.1	.0014	.16	.004	0.042
%RSD	.5945	.2828	.6929	.5832	.4590	1.247	.8930	.2988	1.088
#1	2.145	1725.	91.64	91.54	233.1	.1084	17.55	1.428	.3922
#2	2.123	1725.	91.95	92.18	234.0	.1099	17.39	1.428	.3851
#3	2.123	1733.	92.87	92.61	231.9	.1111	17.70	1.435	.3847
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.584	0.937	3.989	0.259	1.602	38.00	0.702	3.772	1.467
Stddev	0.067	0.020	.003	0.056	.001	.20	0.150	.021	.006
%RSD	11.41	55.41	.0695	21.57	.0795	.5334	21.42	.5685	.4384
#1	.0660	.0599	3.988	.0323	1.600	37.77	.0675	3.770	1.461
#2	.0557	.0163	3.986	.0230	1.602	38.05	.0864	3.795	1.467
#3	.0535	.0429	3.992	.0224	1.603	38.16	.0566	3.752	1.474
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2437.4	5658.8	49959.	5641.9					
Stddev	3.8	11.3	24.	25.9					
%RSD	.15424	.19919	.04799	.45874					
#1	2436.4	5662.0	49941.	5671.4					
#2	2434.2	5668.1	49986.	5623.1					
#3	2441.5	5646.3	49950.	5631.2					

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7.2
7

Sample Name: MP30214-MB1 Acquired: 4/6/2016 16:10:50 Type: QC
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0027	F 2327	-0.001	0.018	-0.004	0.737	-0.003	-0.001
Stddev	0.009	0.487	0.044	0.004	0.000	0.063	0.001	0.003
%RSD	32.33	20.91	8512.	21.23	4.429	8.599	24.52	375.8
#1	-0.017	.2742	.0039	.0022	-0.004	.0795	-0.004	-0.002
#2	-0.031	.2447	-0.048	.0015	-0.004	.0669	-0.003	-0.003
#3	-0.034	.1791	.0008	.0016	-0.004	.0746	-0.002	-0.004
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.1000						
Low Limit		-.1000						
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.005	-0.004	F 3089	1.892	-0.0354	F 0.127	0.005	-0.0701
Stddev	0.009	0.015	0.195	.1427	0.032	0.010	0.003	0.587
%RSD	195.8	381.8	6.323	75.43	93.88	7.683	50.66	83.82
#1	-0.006	-0.004	.3281	.1664	-0.041	.0137	.004	-0.093
#2	0.007	0.011	.3096	.3420	-0.0702	.0125	.003	-1.266
#3	0.013	-0.019	.2890	.0593	-0.0318	.0118	.008	-0.743
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			.1500			.0075		
Low Limit			-.1500			-.0075		
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.010	F 0.063	-0.009	-0.0039	0.226	F 0.536	0.003	F 0.143
Stddev	0.007	0.029	0.053	0.026	0.011	0.017	0.002	0.010
%RSD	64.51	46.00	602.5	67.53	4.922	3.194	51.18	7.156
#1	-0.018	.0080	-0.021	-0.040	.0238	.0522	.004	.0154
#2	-0.005	.0080	-0.049	-0.012	.0225	.0530	.005	.0142
#3	-0.008	.0030	-0.054	-0.064	.0216	.0555	.001	.0134
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Fail
High Limit		.025				.0250		.0050
Low Limit		-.0025				-.0250		-.0050

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Sample Name: MP30214-MB1 Acquired: 4/6/2016 16:10:50 Type: QC
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ti1908	V_2924	Zn2062	
Units	ppm	ppm	ppm	
Avg	F -0.077	0.003	F 0.358	
Stddev	0.033	0.005	0.002	
%RSD	42.46	201.1	4.281	
#1	-0.040	0.008	.0359	
#2	-0.103	0.000	.0356	
#3	-0.087	-0.001	.0358	
Check ?	Chk Fail	Chk Pass	Chk Fail	
High Limit	.0050		.0100	
Low Limit	-.0050		-.0100	
Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2598.0	4850.7	42437.	4655.8
Stddev	2.6	11.5	125.	22.8
%RSD	.09880	.23699	.29519	.48983
#1	2595.0	4845.4	42313.	4672.5
#2	2599.6	4863.8	42434.	4629.8
#3	2599.3	4842.8	42563.	4665.0

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Sample Name: MP30214-B1 Acquired: 4/6/2016 16:15:23 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0451	28.52	1.879	1.874	.0496	25.97	.0504	.5157	.2003
Stddev	.0007	.13	.001	.004	.0002	.14	.0001	.0021	.0006
%RSD	1.538	.4558	.0418	.2339	.3582	.5238	.1702	.4131	.2875

#1	.0452	28.66	1.879	1.877	.0495	25.93	.0505	.5142	.2003
#2	.0444	28.50	1.878	1.877	.0494	25.86	.0504	.5148	.1997
#3	.0457	28.40	1.878	1.869	.0498	26.13	.0504	.5181	.2009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2473	28.07	25.55	27.53	.5133	.5120	25.53	.5103	.4648
Stddev	.0025	.14	.21	.41	.0011	.0026	.07	.0013	.0026
%RSD	.9989	.4965	.8036	1.477	.2217	.5030	.2919	.2565	.5504

#1	.2488	27.96	25.68	27.31	.5128	.5090	25.50	.5099	.4650
#2	.2444	28.02	25.65	27.28	.5125	.5138	25.62	.5091	.4621
#3	.2486	28.22	25.31	28.00	.5146	.5131	25.48	.5117	.4672

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4680	1.925	.0423	.5536	.4883	.5020	1.815	.4572	.5462
Stddev	.0032	.017	.0063	.0019	.0012	.0010	.004	.0022	.0010
%RSD	.6813	.8797	14.90	.3363	.2441	.1911	.2051	.4910	.1867

#1	.4705	1.929	.0356	.5556	.4882	.5022	1.816	.4547	.5450
#2	.4644	1.907	.0481	.5520	.4896	.5009	1.811	.4577	.5469
#3	.4691	1.940	.0434	.5532	.4872	.5028	1.818	.4591	.5466

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30214-B1 Acquired: 4/6/2016 16:15:23 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2540.5	4828.3	42224.	4596.2
Stddev	3.4	13.1	157.	22.6
%RSD	.13505	.27179	.37145	.49074

#1	2539.4	4824.2	42297.	4591.3
#2	2544.4	4843.0	42331.	4620.8
#3	2537.8	4817.8	42044.	4576.4

Sample Name: CCV Acquired: 4/6/2016 16:19:42 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2595	42.10	2.054	1.983	2.050	40.52	2.113	2.144	2.045
Stddev	.0005	.20	.003	.007	.011	.26	.003	.001	.006
%RSD	.1862	.4682	.1362	.3579	.5261	.6390	.1366	.0504	.2990

#1	.2600	42.10	2.056	1.987	2.054	40.63	2.116	2.145	2.044
#2	.2595	42.29	2.051	1.987	2.057	40.70	2.112	2.143	2.051
#3	.2590	41.90	2.055	1.975	2.037	40.22	2.111	2.144	2.039

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.059	41.00	40.88	42.99	2.006	2.148	40.85	2.062	1.989
Stddev	.004	.21	.21	.27	.009	.004	.20	.001	.003
%RSD	.1704	.5078	.5100	.6258	.4536	.2035	.4844	.0694	.1497

#1	2.063	41.03	40.91	42.87	2.012	2.152	40.90	2.083	1.992
#2	2.058	41.19	41.07	43.30	2.011	2.144	41.03	2.080	1.986
#3	2.056	40.78	40.66	42.80	1.996	2.149	40.64	2.083	1.989

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.061	2.091	2.354	2.042	2.035	1.995	1.987	1.983	2.059
Stddev	.002	.003	.006	.005	.010	.005	.004	.006	.004
%RSD	.1154	.1429	.2413	.2348	.4939	.2404	.1970	.3133	.2057

#1	2.062	2.093	2.352	2.043	2.042	2.000	1.991	1.984	2.064
#2	2.058	2.088	2.349	2.045	2.040	1.995	1.986	1.988	2.059
#3	2.062	2.092	2.360	2.036	2.024	1.990	1.983	1.976	2.055

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/6/2016 16:19:42 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2292.1	4643.7	41290.	4619.8
Stddev	8.3	9.5	91.	42.4
%RSD	.36094	.20518	.22070	.91710

#1	2293.4	4646.5	41192.	4608.3
#2	2299.7	4651.5	41305.	4584.5
#3	2283.3	4633.0	41373.	4666.8

Sample Name: CCB Acquired: 4/6/2016 16:23:53 Type: QC
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.0013	.0001	.0002	.0003	.0095	.0002	.0002	.0002
Stddev	.000	.0030	.0001	.0002	.0000	.0002	.0000	.0001	.0002
%RSD	2649.	232.1	110.9	89.80	12.66	1.981	8.600	57.35	104.8
#1	.0003	-.0048	.0000	.0003	.0003	.0093	.0001	.0003	.0001
#2	-.0002	-.0001	.0001	.0004	.0002	.0095	.0002	.0001	.0003
#3	.0000	.0010	.0003	.0000	.0003	.0097	.0002	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	.0145	.0188	.0072	.0002	F-.0013	-0.0045	.0000	.0006
Stddev	.0002	.0012	.0312	.0090	.0000	.0002	.0049	.000	.0004
%RSD	48.52	8.473	166.5	126.4	12.38	15.97	108.6	7732.	62.20
#1	-.0002	.0155	-.0157	-.0029	.0003	.0015	-.0017	.0001	.0003
#2	-.0005	.0148	.0451	.0097	.0002	.0012	-.0102	-.0002	.0010
#3	-.0006	.0131	.0269	.0147	.0002	.0011	-.0017	.0001	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	-0.0002	.0005	.0001	.0004	.0011	.0001	.0001	.0001
Stddev	.0006	.0029	.0005	.0001	.0000	.0000	.0011	.0002	.0001
%RSD	49.41	1311.	110.7	110.3	8.463	4.460	1167.	105.6	81.73
#1	.0013	-.0022	.0007	.0000	.0004	.0011	.0003	.0001	.0001
#2	.0016	.0031	.0008	.0001	.0004	.0010	.0011	.0000	.0002
#3	.0005	-.0016	-.0001	.0003	.0004	.0011	-.0011	.0003	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: CCB Acquired: 4/6/2016 16:23:53 Type: QC
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2633.6	4863.7	42808.	4706.8
Stddev	4.0	21.4	73.	28.6
%RSD	.15278	.44051	.17060	.60775
#1	2631.8	4856.9	42857.	4727.8
#2	2638.2	4887.6	42842.	4674.3
#3	2630.7	4846.4	42724.	4718.5

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	.0145	.0188	.0072	.0002	F-.0013	-0.0045	.0000	.0006
Stddev	.0002	.0012	.0312	.0090	.0000	.0002	.0049	.000	.0004
%RSD	48.52	8.473	166.5	126.4	12.38	15.97	108.6	7732.	62.20
#1	-.0002	.0155	-.0157	-.0029	.0003	.0015	-.0017	.0001	.0003
#2	-.0005	.0148	.0451	.0097	.0002	.0012	-.0102	-.0002	.0010
#3	-.0006	.0131	.0269	.0147	.0002	.0011	-.0017	.0001	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	-0.0002	.0005	.0001	.0004	.0011	.0001	.0001	.0001
Stddev	.0006	.0029	.0005	.0001	.0000	.0000	.0011	.0002	.0001
%RSD	49.41	1311.	110.7	110.3	8.463	4.460	1167.	105.6	81.73
#1	.0013	-.0022	.0007	.0000	.0004	.0011	.0003	.0001	.0001
#2	.0016	.0031	.0008	.0001	.0004	.0010	.0011	.0000	.0002
#3	.0005	-.0016	-.0001	.0003	.0004	.0011	-.0011	.0003	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: FA32672-18 Acquired: 4/6/2016 16:28:25 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.0014	399.2	.0636	2.237	.0115	51.06	-0.0029	.1082	.5903
Stddev	.0006	.2	.0030	.008	.0003	.08	.0000	.0005	.0013
%RSD	42.15	.0590	4.749	.3541	2.257	.1520	1.690	.4596	.2284
#1	-.0020	399.0	.0670	2.241	.0115	51.12	-.0029	.1077	.5887
#2	-.0015	399.4	.0625	2.242	.0112	51.09	-.0030	.1083	.5910
#3	-.0008	399.1	.0614	2.228	.0117	50.97	-.0029	.1087	.5911

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.428	317.4	29.93	38.36	6.044	.0135	2.777	.3916	1.965
Stddev	.004	.4	.12	.25	.002	.0004	.053	.0004	.011
%RSD	.2945	.1208	.3881	.6391	.0309	3.164	1.899	.1094	.5447
#1	1.432	317.3	29.80	38.44	6.044	.0139	2.748	.3919	1.975
#2	1.429	317.8	30.00	38.55	6.046	.0136	2.838	.3919	1.953
#3	1.423	317.1	29.99	38.09	6.042	.0131	2.744	.3911	1.966

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0008	-0.0039	4.490	.0441	.6357	11.79	-0.0082	.6689	.6096
Stddev	.0053	.0175	.000	.0016	.0007	.01	.0026	.0011	.0010
%RSD	627.9	446.5	.0065	3.573	.1139	.1238	32.06	.1692	.1592
#1	-.0069	.0045	4.490	.0423	.6365	11.81	-.0094	.6677	.6100
#2	-.0021	.0078	4.489	.0453	.6352	11.80	-.0099	.6700	.6085
#3	.0023	-.0240	4.490	.0446	.6352	11.78	-.0051	.6689	.6104

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2506.5	5054.4	43832.	4810.6
Stddev	5.4	14.7	152.	8.2
%RSD	.21525	.29019	.34616	.16983
#1	2500.5	5037.5	43699.	4814.7
#2	2510.8	5062.3	43799.	4815.9
#3	2508.3	5063.4	43997.	4801.2

Sample Name: MP30214-D1 Acquired: 4/6/2016 16:32:46 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.0016	356.7	.0588	2.049	.0102	46.65	-0.0025	.0991	.5440
Stddev	.0012	2.7	.0052	.006	.0001	.31	.0003	.0008	.0017
%RSD	75.61	.7477	8.790	.3144	1.319	6560	10.24	.8028	.3173
#1	-.0016	355.4	.0638	2.048	.0101	46.47	-.0028	.1000	.5421
#2	-.0004	359.8	.0534	2.056	.0102	47.00	-.0023	.0985	.5444
#3	-.0029	354.9	.0592	2.044	.0104	46.47	-.0025	.0989	.5455

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.305	289.9	26.96	34.94	5.521	.0119	2.527	.3500	1.808
Stddev	.003	1.9	.14	.48	.008	.0003	.011	.0009	.004
%RSD	.2236	.6574	.5231	1.366	.1376	2.647	4.276	.2563	.2234
#1	1.304	288.8	26.86	34.46	5.512	.0121	2.521	.3493	1.807
#2	1.302	292.1	27.12	35.41	5.522	.0116	2.540	.3496	1.804
#3	1.308	288.9	26.90	34.94	5.527	.0121	2.521	.3510	1.812

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0004	-0.0043	4.079	.0440	.5764	10.30	-0.0049	.6071	.5274
Stddev	.0029	.0045	.003	.0005	.0025	.01	.0045	.0026	.0004
%RSD	652.8	104.8	.0801	1.194	.4412	.1122	91.83	.4226	.0821
#1	-.0029	-.0079	4.076	.0438	.5754	10.29	-.0045	.6047	.5275
#2	-.0027	-.0007	4.079	.0436	.5792	10.31	-.0096	.6069	.5279
#3	-.0011	-.0057	4.083	.0446	.5744	10.32	-.0006	.6098	.5270

Int. Std.	In2306	Y
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Sample Name: MP30214-D2 Acquired: 4/6/2016 16:37:06 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.014	398.3	0.059	2.233	0.113	51.12	-0.030	1.091	5.874
Stddev	.0015	1.0	.0041	.013	.0000	.22	.0004	.0006	.0010
%RSD	109.9	2510	6.237	.5780	.4057	.4329	11.70	.5762	.1787
#1	.0002	399.4	.0704	2.231	.0113	51.36	-.0032	1.086	5.886
#2	-.0016	397.7	.0649	2.247	.0113	51.10	-.0026	1.090	5.867
#3	-.0028	397.7	.0623	2.221	.0112	50.92	-.0033	1.099	5.868
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	1.432	316.9	29.63	38.30	5.996	0.116	2.754	3.894	1.970
Stddev	.005	1.1	.34	.09	.018	.0011	.027	.0007	.007
%RSD	.3261	.3359	1.136	.2411	.2993	9.699	.9811	.1923	.3631
#1	1.438	318.0	29.95	38.40	6.014	.0107	2.729	3.894	1.962
#2	1.430	315.9	29.66	38.27	5.978	.0128	2.750	3.887	1.972
#3	1.429	316.7	29.28	38.22	5.996	.0113	2.782	3.901	1.975
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.030	-0.0087	4.309	0.0461	0.6365	11.55	-0.093	0.600	5.688
Stddev	.0045	.0050	.017	.0004	.0016	.03	.0048	.0035	.0008
%RSD	150.9	57.82	4.015	.7968	.2556	2.270	51.89	5.571	1.369
#1	.0073	-.0116	4.299	.0457	.6363	11.57	-.0041	.6583	5.681
#2	-.0016	-.0029	4.298	.0464	.6382	11.52	-.0102	.6641	5.696
#3	.0032	-.0116	4.329	.0462	.6350	11.56	-.0135	.6577	5.685
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2495.7	5009.7	44025.	4819.9					
Stddev	5.7	16.3	142.	44.1					
%RSD	.22818	.32494	.32351	.91494					
#1	2499.4	5021.8	43956.	4778.4					
#2	2498.6	5016.1	44189.	4866.2					
#3	2489.2	4991.2	43931.	4814.9					

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Sample Name: MP30214-SD1 Acquired: 4/6/2016 16:41:25 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.047	439.5	0.0497	2.466	0.111	54.28	-0.044	1.145	6.307
Stddev	.0068	.9	.0115	.014	.0014	.34	.0004	.0010	.0130
%RSD	144.1	.2003	23.19	.5798	12.42	.6318	9.603	.8616	2.064
#1	.0020	439.0	.0528	2.481	.0095	53.89	-.0040	1.153	6.227
#2	-.0117	440.5	.0370	2.453	.0119	54.42	-.0049	1.134	6.457
#3	-.0045	439.0	.0594	2.464	.0118	54.53	-.0044	1.148	6.237
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	1.412	325.7	37.25	40.51	6.138	0.169	8.105	4.215	1.937
Stddev	.013	1.0	.30	.45	.023	.0013	.433	.0053	.007
%RSD	.9018	.3210	.8095	1.106	.3799	7.891	5.339	1.257	.3483
#1	1.421	325.0	37.08	40.87	6.163	.0175	7.682	4.263	1.931
#2	1.418	325.2	37.60	40.01	6.132	.0179	8.086	4.158	1.936
#3	1.397	326.9	37.07	40.65	6.118	.0154	8.547	4.224	1.945
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.153	-0.189	101.3	0.0458	0.6675	14.57	-0.311	0.6883	7.590
Stddev	.0159	.0396	4.0	.0022	.0024	.22	.0097	.0033	.0038
%RSD	104.1	209.7	3.969	4.789	.3638	1.514	31.30	4.760	4.969
#1	.0296	-.0357	105.9	.0433	.6650	14.73	-.0372	.6912	7.554
#2	.0181	.0264	99.44	.0474	.6676	14.65	-.0199	.6848	7.629
#3	-.0019	-.0474	98.49	.0467	.6699	14.32	-.0362	.6889	7.587
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2592.6	4942.3	43546.	4778.8					
Stddev	5.3	12.8	119.	13.1					
%RSD	.20467	.25873	.27247	.27363					
#1	2588.4	4938.6	43637.	4790.3					
#2	2598.6	4956.6	43412.	4764.5					
#3	2590.8	4931.8	43589.	4781.5					

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7.2
7

Sample Name: MP30214-PS1 Acquired: 4/6/2016 16:45:48 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.039	381.1	1.617	2.352	0.0625	53.15	0.0492	1.548	6.095
Stddev	.0025	1.2	.0016	.006	.0001	.21	.0002	.0009	.0014
%RSD	5.771	.3077	.9824	.2683	.1096	.3947	.4411	.5725	.2320
#1	.0446	381.9	1.615	2.357	.0626	53.04	.0491	1.555	6.093
#2	.0460	381.6	1.602	2.354	.0625	53.39	.0490	1.538	6.082
#3	.0411	379.7	1.634	2.345	.0624	53.01	.0494	1.552	6.110
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	1.459	303.4	37.71	41.59	5.767	1.146	12.61	4.719	1.911
Stddev	.002	.7	.24	.21	.011	.0006	.08	.0017	.007
%RSD	.1431	.2241	.6461	.4937	.1894	.5532	.6447	.3553	.3490
#1	1.461	303.9	37.63	41.66	5.756	.1139	12.64	4.737	1.914
#2	1.458	303.7	37.98	41.76	5.767	.1145	12.68	4.704	1.903
#3	1.457	302.6	37.52	41.36	5.778	.1152	12.52	4.715	1.916
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.102	0.986	4.205	0.0906	0.6510	11.25	0.865	0.6788	7.974
Stddev	.0061	.0068	.002	.0015	.0014	.02	.0025	.0043	.0005
%RSD	5.575	6.868	.0407	1.670	.2115	.1615	2.837	.6371	.0594
#1	1.102	1.028	4.207	.0921	.6498	11.23	.0862	.6738	7.979
#2	1.163	1.021	4.205	.0890	.6525	11.25	.0841	.6815	7.972
#3	1.040	.9907	4.204	.0908	.6507	11.27	.0890	.6812	7.970
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2500.1	5020.8	43778.	4823.8					
Stddev	3.8	3.0	78.	12.9					
%RSD	.15042	.06046	.17890	.26804					
#1	2497.3	5020.7	43815.	4833.1					
#2	2504.4	5023.9	43830.	4809.1					
#3	2498.7	5017.9	43688.	4829.3					

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Sample Name: MP30214-S1 Acquired: 4/6/2016 16:50:07 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0458	463.4	1.993	4.259	0.0659	78.44	0.0498	0.6492	8.237
Stddev	.0008	1.3	.015	.017	.0004	.24	.0002	.0013	.0035
%RSD	1.731	.2812	.7322	.3958	.5711	3.059	.3970	.1948	4.309
#1	.0464	461.9	1.976	4.256	.0656	78.30	.0500	.6493	8.276
#2	.0449	464.3	2.005	4.277	.0658	78.29	.0498	.6479	8.208
#3	.0460	464.0	1.997	4.244	.0663	78.71	.0497	.6504	8.225
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	1.718	349.7	57.42	68.95	6.548	5.076	30.37		

Sample Name: MP30214-S2 Acquired: 4/6/2016 16:54:24 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.046	444.0	1.907	4.097	0.029	75.44	0.085	0.628	7.881
Stddev	.0009	.9	.007	.016	.0002	.38	.0001	.0017	.0012
%RSD	2.108	.2094	.3721	.3889	.3630	.4991	.2040	.2770	.1570
#1	.0444	443.5	1.912	4.110	.0630	75.33	.0484	.6262	.7869
#2	.0438	445.0	1.899	4.102	.0630	75.85	.0485	.6296	.7894
#3	.0457	443.3	1.911	4.079	.0626	75.12	.0486	.6287	.7879
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.658	336.4	54.69	65.97	6.325	4.867	28.95	9.108	2.395
Stddev	.003	1.6	.16	.42	.012	.0014	.09	.0021	.004
%RSD	.1591	.4611	.2969	.6354	.1946	.2938	.3195	.2300	.1876
#1	1.661	335.6	54.70	65.68	6.312	4.850	28.88	9.086	2.390
#2	1.659	338.2	54.84	66.45	6.335	4.876	28.92	9.109	2.397
#3	1.656	335.5	54.52	65.78	6.329	4.874	29.05	9.128	2.399
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.149	1.920	4.504	5.195	1.113	11.17	1.897	1.104	1.054
Stddev	.0030	.020	.009	.0024	.002	.02	.007	.004	.000
%RSD	2.164	1.023	.1987	.4711	.2061	.1401	.3878	.3646	.0282
#1	.1374	1.903	4.496	5.221	1.113	11.16	1.895	1.100	1.054
#2	.1431	1.915	4.501	5.172	1.115	11.19	1.890	1.103	1.054
#3	.1420	1.941	4.514	5.193	1.110	11.16	1.905	1.108	1.054
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2462.9	4986.1	43732.	4854.2					
Stddev	3.0	11.4	115.	40.6					
%RSD	.12244	.22861	.26337	.83691					
#1	2463.0	4993.5	43821.	4885.0					
#2	2459.8	4973.0	43602.	4808.2					
#3	2465.9	4991.8	43774.	4869.5					

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Sample Name: FA31672-21 Acquired: 4/6/2016 16:58:42 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.011	391.1	0.053	1.963	0.103	41.80	-0.024	0.982	5.617
Stddev	.0017	1.8	.0040	.003	.0004	.48	.0003	.0006	.0017
%RSD	144.4	.4568	6.131	.1420	3.837	1.156	14.26	.6164	.3092
#1	-0.020	393.0	.0611	1.967	.0108	42.28	-0.027	.0988	.5632
#2	-0.008	389.5	.0655	1.962	.0102	41.32	-0.025	.0976	.5598
#3	-0.022	390.8	.0691	1.962	.0100	41.82	-0.020	.0984	.5620
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.955	289.6	36.67	36.69	4.860	0.110	2.522	3.752	8.003
Stddev	.0025	2.0	.11	.33	.015	.0009	.049	.0008	.0015
%RSD	.8560	.6956	.3034	.9038	.3045	7.864	1.938	.2189	.1840
#1	.2978	291.9	36.78	37.06	4.865	.0120	2.531	.3744	.8006
#2	.2928	288.1	36.56	36.43	4.843	.0103	2.469	.3753	.7987
#3	.2958	288.9	36.69	36.58	4.871	.0107	2.566	.3760	.8016
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.016	-0.052	4.280	0.053	5.364	10.86	-0.009	5.922	5.058
Stddev	.0023	.0044	.004	.0005	.0020	.02	.0051	.0015	.0012
%RSD	142.0	85.27	.0968	1.037	3.711	.2019	549.8	2.457	2.341
#1	-0.010	-0.011	4.279	.0509	5.387	10.86	-0.055	5.918	5.056
#2	.0029	-0.098	4.278	.0500	5.353	10.84	.0045	5.909	5.047
#3	.0029	-0.046	4.285	.0499	5.353	10.89	-0.018	5.938	5.070
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2511.4	5004.6	43960.	4780.4					
Stddev	4.5	9.1	171.	50.4					
%RSD	.17976	.18200	.38928	1.0540					
#1	2514.4	5005.5	43804.	4724.4					
#2	2506.2	4995.0	44143.	4822.2					
#3	2513.7	5013.2	43933.	4794.5					

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Sample Name: FA31672-24 Acquired: 4/6/2016 17:03:02 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.012	262.8	0.019	1.548	0.077	21.74	-0.030	0.912	4.723
Stddev	.0012	.9	.0012	.007	.0001	.08	.0002	.0005	.0019
%RSD	101.9	.3278	2.376	.4405	1.945	.3762	5.362	.5985	.4049
#1	-0.008	262.9	.0529	1.554	.0078	21.66	-0.029	.0918	.4740
#2	-0.002	263.5	.0523	1.550	.0078	21.73	-0.032	.0912	.4702
#3	-0.026	261.8	.0505	1.541	.0075	21.82	-0.029	.0907	.4728
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	4.675	236.0	19.89	25.96	3.024	0.088	2.539	2.414	6.599
Stddev	.0008	.5	.13	.24	.003	.0001	.038	.0009	.0029
%RSD	.1756	.1951	.6561	.9313	.1112	.9673	1.480	.3732	.4419
#1	.4669	236.2	19.93	25.98	3.026	.0087	2.577	.2421	.6566
#2	.4672	236.3	20.00	26.19	3.021	.0089	2.502	.2404	.6619
#3	.4685	235.5	19.75	25.71	3.027	.0087	2.538	.2416	.6613
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.011	-0.095	4.304	0.0459	3.594	9.390	-0.059	5.251	2.570
Stddev	.0001	.0104	.006	.0014	.0021	.009	.0067	.0003	.0007
%RSD	13.97	108.8	.1506	3.018	.5834	.0915	113.9	.0587	.2833
#1	-0.010	-0.212	4.311	.0468	.3574	9.399	-0.094	5.252	2.564
#2	-0.009	-0.016	4.302	.0443	.3616	9.387	-0.101	5.247	2.566
#3	-0.012	-0.057	4.299	.0465	.3592	9.383	.0018	5.253	2.578
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2542.4	4978.4	43619.	4768.2					
Stddev	3.2	4.6	76.	12.7					
%RSD	.12442	.09259	.17429	.26570					
#1	2538.9	4973.4	43682.	4755.4					
#2	2545.0	4979.2	43641.	4768.5					
#3	2543.2	4982.5	43535.	4780.7					

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Sample Name: FA31929-1 Acquired: 4/6/2016 17:07:21 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.016	246.2	0.062	1.126	0.070	12.10	-0.031	0.079	4.427
Stddev	.0017	2.9	.0050	.014	.0003	.17	.0001	.0012	.0116
%RSD	110.6	1.159	10.81	1.261	3.651	1.381	4.156	1.821	2.622
#1	.0001	244.8	.0433	1.117	.0073	11.96	-0.032	.0664	.4542
#2	-0.015	244.4	.0520	1.119	.0069	12.05	-0.030	.0684	.4427
#3	-0.033	249.5	.0434	1.143	.0069	12.29	-0.031	.0687	.4310
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	4.078	218.4	15.68	21.91	1.517	0.094	2.432	2.097	8.423
Stddev	.0077	2.9	.09	.45	.031	.0001	.027	.0014	.0030
%RSD	1.897	1.313	.5539	2.058	2.018	1.224	1.108	.6699	.3534

Sample Name: CCV Acquired: 4/6/2016 17:11:43 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2582	42.16	2.043	1.942	2.037	40.05	2.107	2.146	2.024
Stddev	.0004	.11	.004	.005	.009	.17	.002	.002	.005
%RSD	.1506	.2713	.2055	.2415	.4187	.4365	.0898	.1119	.2478

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.073	40.88	40.28	43.44	1.984	2.155	40.54	2.070	1.969
Stddev	.009	.12	.12	.19	.012	.005	.13	.002	.003
%RSD	.4305	.2866	.2933	.4276	.5803	.2405	.3157	.1074	.1425

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.054	2.090	2.347	2.021	2.012	1.972	1.964	1.947	2.043
Stddev	.004	.006	.004	.002	.007	.011	.002	.006	.002
%RSD	.2084	.2733	.1691	.0756	.3561	.5468	.0818	.3360	.0954

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/6/2016 17:11:43 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2309.1	4646.0	41584.	4622.7
Stddev	2.7	10.2	253.	28.5
%RSD	.11655	.21932	.60784	.61584

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2309.1	4646.0	41584.	4622.7
Stddev	2.7	10.2	253.	28.5
%RSD	.11655	.21932	.60784	.61584

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2309.1	4646.0	41584.	4622.7
Stddev	2.7	10.2	253.	28.5
%RSD	.11655	.21932	.60784	.61584

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 4/6/2016 17:15:54 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	.0022	.0001	.0001	.0002	.0022	.0001	.0001	-0.0001
Stddev	.0001	.0061	.0004	.0002	.0001	.0027	.0001	.0000	.0001
%RSD	236.4	283.8	417.2	276.6	22.17	118.8	42.09	11.86	92.76

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	.0117	.0204	.0099	.0001	F .0015	-0.0093	-0.0001	.0006
Stddev	.0001	.0033	.0196	.0130	.0000	.0003	.0058	.0001	.0003
%RSD	31.09	28.01	96.37	131.9	26.65	18.41	62.91	59.95	51.00

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	-0.0009	.0003	.0001	.0003	.0010	-0.0004	.0001	.0001
Stddev	.0005	.0011	.0001	.0003	.0001	.0001	.0004	.0002	.0000
%RSD	48.75	121.7	27.71	252.8	25.91	7.426	84.04	364.9	15.71

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/6/2016 17:15:54 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2623.8	4825.0	42751.	4656.3
Stddev	1.3	10.0	201.	15.6
%RSD	.05104	.20805	.47112	.33570

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2623.8	4825.0	42751.	4656.3
Stddev	1.3	10.0	201.	15.6
%RSD	.05104	.20805	.47112	.33570

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2623.8	4825.0	42751.	4656.3
Stddev	1.3	10.0	201.	15.6
%RSD	.05104	.20805	.47112	.33570

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: FA31929-5 Acquired: 4/6/2016 17:20:27 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.011	146.8	.0275	.7170	.0034	17.55	-0.017	.0372	.2623
Stddev	.0005	.2	.0016	.0028	.0001	.03	.0003	.0009	.0036
%RSD	42.57	.1034	5.671	.3880	2.931	.1688	15.05	2.474	1.362
#1	-.0010	147.0	.0259	.7171	.0033	17.52	-.0014	.0375	.2629
#2	-.0016	146.7	.0290	.7142	.0035	17.58	-.0019	.0362	.2656
#3	-.0007	146.7	.0274	.7198	.0033	17.54	-.0017	.0380	.2585
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)
Avg	.2764	141.9	15.89	13.11	1.269	.0091	1.435	1.252	1.613
Stddev	.0014	.5	.09	.18	.005	.0004	.008	.0011	.006
%RSD	.5159	.3269	.5956	1.404	.3685	4.236	.5351	.8641	.3586
#1	.2781	142.3	15.97	12.89	1.272	.0093	1.429	1.259	1.610
#2	.2756	142.1	15.91	13.23	1.272	.0094	1.444	1.239	1.610
#3	.2756	141.4	15.78	13.20	1.264	.0087	1.432	1.257	1.620
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0014	-0.0057	3.356	.0449	.2034	5.475	-0.069	.3310	2.242
Stddev	.0021	.0069	.004	.0030	.0009	.006	.0088	.0008	.0007
%RSD	145.1	121.6	.1276	6.637	.4627	.1163	127.4	.2286	.3335
#1	-.0002	.0006	3.351	.0480	.2033	5.482	-.0166	.3316	.2000
#2	.0038	-.0130	3.359	.0421	.2043	5.473	-.0050	.3312	.1996
#3	.0007	-.0046	3.359	.0446	.2024	5.470	.0008	.3302	.2010
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2563.0	4878.5	43320.	4657.5					
Stddev	6.5	8.4	145.	11.6					
%RSD	.25283	.17170	.33498	.24932					
#1	2558.1	4871.6	43423.	4647.9					
#2	2560.7	4876.2	43154.	4654.2					
#3	2570.4	4887.8	43384.	4670.4					

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Sample Name: FA31929-8 Acquired: 4/6/2016 17:24:50 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.006	315.7	.0430	2.385	.0080	37.42	-0.027	.0704	.4696
Stddev	.0010	1.1	.0063	.014	.0003	.29	.0002	.0001	.0014
%RSD	153.9	.3453	14.65	.5914	3.360	.7868	6.068	.1389	.2988
#1	-.0008	316.1	.0367	2.390	.0081	37.43	-.0029	.0704	.4698
#2	-.0015	316.5	.0430	2.395	.0082	37.70	-.0026	.0705	.4681
#3	.0004	314.5	.0492	2.369	.0077	37.12	-.0026	.0703	.4709
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)
Avg	3.561	266.8	20.56	23.55	5.137	.0138	2.642	.2745	.8841
Stddev	.011	1.7	.14	.34	.011	.0010	.037	.0009	.0062
%RSD	.3102	.6493	.6889	1.461	.2130	6.990	1.410	.3158	.7062
#1	3.550	266.9	20.69	23.73	5.137	.0145	2.631	.2755	.8849
#2	3.572	268.5	20.58	23.77	5.126	.0127	2.611	.2739	.8775
#3	3.560	265.0	20.41	23.15	5.148	.0143	2.683	.2742	.8899
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0003	-0.0131	4.407	.0460	.6212	8.279	.0004	.5995	.4032
Stddev	.0032	.0025	.016	.0018	.0019	.009	.0026	.0020	.0007
%RSD	1067.	18.79	.3555	3.990	.3079	.1041	728.2	.3318	.1726
#1	-.0021	-.0141	4.403	.0442	.6213	8.276	.0019	.6006	.4030
#2	-.0009	-.0103	4.424	.0461	.6231	8.272	-.0026	.6006	.4027
#3	.0039	-.0150	4.394	.0479	.6193	8.288	.0018	.5972	.4040
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2523.4	4911.0	43831.	4757.7					
Stddev	1.8	12.5	146.	46.5					
%RSD	.07079	.25427	.33255	.97733					
#1	2525.3	4917.8	43985.	4742.8					
#2	2521.8	4896.6	43813.	4720.4					
#3	2523.2	4918.6	43695.	4809.8					

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Sample Name: FA31929-12 Acquired: 4/6/2016 17:29:12 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.029	133.6	.0464	.3634	.0039	7.375	-0.023	.0449	.3350
Stddev	.0011	.0	.0040	.0023	.0002	.041	.0001	.0004	.0019
%RSD	37.84	.0161	8.633	.6212	5.000	.5514	4.768	.9572	.5592
#1	-.0019	133.5	.0418	.3648	.0039	7.418	-.0022	.0454	.3347
#2	-.0026	133.6	.0489	.3646	.0036	7.368	-.0023	.0448	.3370
#3	-.0040	133.6	.0486	.3608	.0040	7.337	-.0024	.0445	.3332
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)
Avg	.1609	146.0	15.55	16.62	.5974	2.091	1.295	.6537	
Stddev	.0006	.2	.15	.08	.0024	.0005	.039	.0008	.0010
%RSD	.3943	.1420	.9812	.4555	.3948	8.316	1.845	.6350	.1557
#1	.1601	146.3	15.40	16.67	.5952	.0062	2.128	.1287	.6547
#2	.1611	145.9	15.70	16.53	.5999	.0052	2.094	.1295	.6527
#3	.1613	145.9	15.56	16.65	.5970	.0059	2.051	.1303	.6537
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0011	-0.0029	3.128	.0448	.1071	6.295	-0.073	.3255	.2147
Stddev	.0028	.0103	.009	.0020	.0001	.002	.0040	.0014	.0005
%RSD	245.6	351.4	.2908	4.550	.0675	.0351	54.15	.4216	.2501
#1	-.0013	-.0031	3.138	.0441	.1071	6.295	-.0058	.3265	.2144
#2	.0042	-.0131	3.127	.0470	.1071	6.293	-.0044	.3260	.2144
#3	.0005	.0074	3.120	.0431	.1070	6.298	-.0118	.3239	.2153
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2558.8	4869.8	43265.	4695.7					
Stddev	1.5	15.2	64.	32.4					
%RSD	.06054	.31147	.14797	.69093					
#1	2557.2	4854.1	43277.	4659.2					
#2	2559.0	4870.9	43323.	4706.2					
#3	2560.3	4884.4	43196.	4721.5					

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Sample Name: FA31929-15 Acquired: 4/6/2016 17:33:34 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.023	187.8	.0740	.6155	.0069	7.775	-0.032	.0971	.5107
Stddev	.0004	1.4	.0020	.0016	.0002	.10	.0002	.0004	.0005
%RSD	17.94	.7209	2.666	.2548	3.171	.1335	4.731	.4153	.0913
#1	-.0027	186.8	.0748	.6155	.0070	7.766	-.0030	.0967	.5103
#2	-.0020	187.1	.0717	.6139	.0066	7.787	-.0033	.0971	.5113
#3	-.0020	189.3	.0754	.6170	.0069	7.772	-.0033	.0975	.5106
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203

Sample Name: FA31929-18 Acquired: 4/6/2016 17:37:55 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.015	177.5	0.383	7.862	0.040	15.13	-0.026	0.075	3.132
Stddev	0.0014	.5	.0044	.0029	.0003	.06	.0002	.0006	.0007
%RSD	91.61	.2609	11.36	.3672	6.380	.3900	5.911	1.523	.2117
#1	-0.027	177.4	.0392	.7829	.0042	15.18	-0.027	.0377	.3140
#2	-0.018	178.0	.0336	.7880	.0037	15.15	-0.027	.0379	.3130
#3	.0000	177.0	.0422	.7878	.0042	15.07	-0.024	.0368	.3127
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	4.457	165.4	14.89	15.86	9.551	0.083	1.738	1.492	1.712
Stddev	.0009	.5	.07	.25	.0011	.0008	.025	.0004	.003
%RSD	.1981	.2863	.4768	1.592	.1134	9.808	1.450	.2418	.1444
#1	4.457	166.0	14.88	15.61	.9552	.0081	1.712	1.491	1.714
#2	4.449	165.1	14.97	15.86	.9539	.0076	1.762	1.495	1.709
#3	4.466	165.2	14.83	16.11	.9561	.0092	1.740	1.488	1.712
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.017	-0.149	3.538	0.047	2.196	6.077	-0.031	3.807	2.298
Stddev	.0027	.0108	.006	.0004	.0014	.004	.0021	.0009	.0005
%RSD	160.2	72.34	.1749	.9083	.6587	.0585	69.79	.2420	.2178
#1	.0018	-0.0026	3.531	.0465	.2192	6.081	-0.0055	.3810	.2292
#2	-0.011	-0.0227	3.544	.0472	.2212	6.074	-0.0015	.3797	.2299
#3	.0043	-0.0195	3.540	.0465	.2184	6.075	-0.0022	.3815	.2302
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2556.8	4866.1	4345.2	4710.3					
Stddev	9.3	.8	45.	36.3					
%RSD	.36487	.01679	.10421	.77086					
#1	2546.5	4865.1	4348.3	4668.4					
#2	2564.7	4866.5	4347.3	4732.3					
#3	2559.2	4866.6	4340.0	4730.2					

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Sample Name: FA31929-21 Acquired: 4/6/2016 17:42:18 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.027	254.0	0.304	1.863	0.056	34.81	-0.011	0.556	3.910
Stddev	.0013	1.2	.0030	.007	.0005	.14	.0002	.0005	.0015
%RSD	49.16	.4564	9.935	.3519	8.102	.3905	16.01	.9638	.3897
#1	-0.022	254.9	.0339	1.861	.0060	34.97	-0.013	.0550	.3901
#2	-0.042	254.3	.0285	1.858	.0057	34.72	-0.012	.0557	.3901
#3	-0.017	252.7	.0288	1.871	.0051	34.74	-0.009	.0560	.3927
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.339	210.8	19.02	19.25	4.303	0.098	2.394	2.506	2.813
Stddev	.002	.8	.10	.21	.013	.0002	.029	.0004	.004
%RSD	.0880	.3776	.5218	1.082	.2968	2.430	1.208	.1533	.1408
#1	2.339	211.5	18.92	19.36	4.289	.0096	2.420	.2502	2.814
#2	2.337	211.0	19.12	19.38	4.312	.0097	2.400	.2509	2.817
#3	2.341	209.9	19.02	19.01	4.310	.0100	2.363	.2508	2.809
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.001	-0.098	4.210	0.0485	5.260	6.181	-0.108	4.582	5.064
Stddev	.0021	.0079	.021	.0014	.011	.0019	.0019	.0019	.0011
%RSD	246.8	80.12	.4984	2.979	.2638	1.736	17.73	.4153	.2115
#1	-0.004	-0.116	4.204	.0475	.5276	6.169	-0.122	.4566	.5075
#2	-0.020	-0.166	4.192	.0502	.5253	6.186	-0.117	.4603	.5061
#3	.0021	-0.012	4.233	.0478	.5251	6.188	-0.086	.4577	.5055
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2527.7	4861.0	4357.0	4753.8					
Stddev	4.0	13.6	9.	17.1					
%RSD	.15691	.27960	.02106	.35891					
#1	2523.2	4860.4	4357.0	4741.9					
#2	2530.5	4874.9	4358.0	4746.2					
#3	2529.4	4847.8	4356.1	4773.4					

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Sample Name: FA31929-22 Acquired: 4/6/2016 17:46:40 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.027	269.1	0.341	2.003	0.061	36.32	-0.015	0.585	4.272
Stddev	.0012	.4	.0055	.004	.0003	.10	.0002	.0004	.0012
%RSD	44.48	.1611	16.21	.1979	4.411	28.48	13.26	.6115	28.70
#1	-0.016	268.9	.0280	1.999	.0063	36.33	-0.013	.0581	4.259
#2	-0.025	268.8	.0387	2.004	.0058	36.42	-0.016	.0586	4.276
#3	-0.040	269.6	.0356	2.007	.0063	36.22	-0.016	.0588	4.282
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.335	222.2	18.97	20.42	4.611	0.104	2.420	2.684	1.776
Stddev	.005	.5	.12	.14	.017	.0003	.035	.0008	.007
%RSD	.2250	.2281	.6095	.7000	.3577	3.084	1.432	.3115	.3904
#1	2.331	221.6	19.09	20.26	4.594	.0104	2.382	.2685	1.783
#2	2.341	222.2	18.86	20.47	4.610	.0107	2.428	.2692	1.769
#3	2.334	222.7	18.95	20.53	4.627	.0100	2.450	.2675	1.775
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.005	-0.113	4.332	0.051	5.525	6.542	-0.072	4.826	4.618
Stddev	.0030	.0048	.016	.0011	.0011	.016	.0059	.0020	.0013
%RSD	637.4	42.37	.3768	2.155	.2029	2.363	81.70	.4092	.2855
#1	-0.011	-0.164	4.315	.0493	.5524	6.525	-0.0005	.4817	4.607
#2	-0.014	-0.069	4.347	.0513	.5515	6.553	-0.0098	.4848	4.633
#3	.0040	-0.107	4.335	.0498	.5537	6.550	-0.0115	.4812	4.613
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2535.7	4880.8	4349.1	4712.7					
Stddev	5.0	12.3	54.	5.6					
%RSD	.19860	.25189	.12439	.11872					
#1	2530.4	4885.7	4354.4	4706.4					
#2	2536.2	4866.8	4349.3	4717.2					
#3	2540.4	4889.8	4343.6	4714.4					

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Sample Name: FA31929-25 Acquired: 4/6/2016 17:51:02 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.011	248.7	0.392	2.143	0.067	34.08	-0.016	0.677	3.833
Stddev	.0020	.5	.0063	.009	.0002	.06	.0002	.0002	.0028
%RSD	190.8	.1848	16.14	.4214	2.757	.1781	14.02	.2770	.7265
#1	.0012	248.8	.0326	2.150	.0067	34.13	-0.019	.0676	.3805
#2	-0.019	249.2	.0396	2.145	.0069	34.01	-0.016	.0676	.3861
#3	-0.025	248.2	.0453	2.133	.0065	34.09	-0.014	.0679	.3832
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5.128	213.8	14.36	21.99	4.307	0.082	2.105	2.336	1.729
Stddev	.0029	.2	.15	.13	.013	.0003	.013	.0009	.004
%RSD	.5652	.0825	1.072	.5775	.2926	3.209	.6378	.3640	.2025
#1	5.129	214.0	14.23	21.92	4.297	.0079	2.120	.2342	1.732
#2	5.156	213.8	14.53	22.14	4.303	.0082	2.097	.2339	1.725
#3	5.098	213.6	14.33	21.92	4.321	.0085	2.097	.2326	1.730
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)

Sample Name: FA31929-28 Acquired: 4/6/2016 17:55:24 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.017	314.2	0.386	2.667	0.076	49.18	-0.015	0.067	4.170
Stddev	.0005	.3	.0006	.004	.0003	.17	.0000	.0005	.0010
%RSD	29.62	.0934	1.618	.1310	4.096	.3410	3.337	.6756	.2467
#1	-.0018	313.9	.0390	2.665	.0077	48.99	-.0014	.0702	.4162
#2	-.0012	314.4	.0390	2.671	.0078	49.32	-.0015	.0695	.4181
#3	-.0022	314.3	.0379	2.664	.0072	49.22	-.0015	.0693	.4166
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5.758	256.4	18.18	24.26	5.939	0.098	2.953	2.897	3.664
Stddev	.014	.3	.07	.31	.041	.0005	.031	.0007	.009
%RSD	.2506	.1045	.3972	1.282	.6962	5.096	1.054	.2542	.2353
#1	5.774	256.2	18.10	24.29	5.961	.0093	2.930	.2900	3.655
#2	5.745	256.7	18.23	24.55	5.964	.0098	2.941	.2889	3.673
#3	5.755	256.3	18.22	23.93	5.891	.0103	2.988	.2903	3.663
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.075	-0.101	4.296	0.381	7.485	6.852	-0.125	5.256	8.269
Stddev	.0020	.0044	.010	.0020	.0009	.023	.0027	.0031	.0008
%RSD	27.10	43.71	.2368	5.249	.1206	.3380	21.62	.5934	.0975
#1	.0067	-.0152	4.298	.0358	.7480	6.860	-.0130	.5266	.8264
#2	.0099	-.0073	4.285	.0390	.7480	6.870	-.0148	.5280	.8264
#3	.0061	-.0078	4.305	.0394	.7496	6.826	-.0095	.5220	.8278
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2503.0	4836.0	43494.	4747.5					
Stddev	1.5	4.6	77.	27.0					
%RSD	.05991	.09584	.17775	.56770					
#1	2504.6	4831.3	43425.	4775.0					
#2	2501.7	4840.6	43480.	4721.2					
#3	2502.8	4836.1	43577.	4746.4					

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Sample Name: FA31929-32 Acquired: 4/6/2016 17:59:45 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.027	267.0	0.425	1.089	0.076	29.51	-0.031	0.748	4.537
Stddev	.0012	1.1	.0053	.005	.0001	.15	.0001	.0001	.0019
%RSD	43.63	.4170	12.42	.4755	1.879	.5042	3.779	.1262	.4148
#1	-.0022	268.2	.0485	1.095	.0078	29.55	-.0032	.0749	.4517
#2	-.0018	266.1	.0388	1.087	.0077	29.35	-.0030	.0747	.4541
#3	-.0040	266.8	.0400	1.084	.0075	29.64	-.0031	.0747	.4554
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.065	226.5	17.56	22.80	1.810	0.078	2.873	2.217	8.237
Stddev	.003	.7	.04	.14	.005	.0002	.010	.0020	.0023
%RSD	.2979	.3054	.2051	.6208	.2606	2.745	.3351	.9198	.2755
#1	1.066	227.2	17.56	22.87	1.806	.0080	2.864	.2240	.8258
#2	1.067	225.9	17.53	22.64	1.808	.0077	2.872	.2201	.8213
#3	1.061	226.4	17.60	22.90	1.815	.0076	2.883	.2210	.8241
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.025	-0.099	3.980	0.386	3.284	9.517	-0.077	5.303	2.682
Stddev	.0022	.0087	.010	.0023	.0009	.014	.0033	.0021	.0002
%RSD	87.25	87.89	.2462	6.035	.2892	.1426	42.66	.3960	.0754
#1	-.0011	-.0127	3.991	.0360	.3291	9.504	-.0091	.5281	.2681
#2	-.0014	-.0168	3.978	.0393	.3273	9.516	-.0040	.5323	.2680
#3	-.0051	-.0001	3.972	.0406	.3288	9.531	-.0101	.5305	.2684
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2532.7	4910.9	43986.	4752.2					
Stddev	3.7	8.2	74.	14.3					
%RSD	.14586	.16727	.16751	.30051					
#1	2528.5	4901.5	44045.	4736.9					
#2	2535.0	4914.9	43904.	4765.2					
#3	2534.8	4916.4	44011.	4754.6					

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7.2
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Sample Name: CCV Acquired: 4/6/2016 18:04:06 Type: QC
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.612	42.69	2.055	1.932	2.048	40.06	2.119	2.169	2.048
Stddev	.0005	.20	.007	.007	.007	.08	.000	.002	.008
%RSD	.1777	.4605	.3202	.3794	.3248	.2072	.0184	.0699	.3799
#1	.2615	42.72	2.062	1.934	2.055	40.00	2.119	2.171	2.056
#2	.2607	42.48	2.053	1.924	2.042	40.02	2.119	2.168	2.044
#3	.2614	42.87	2.050	1.939	2.048	40.15	2.119	2.169	2.042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.098	41.18	40.37	43.88	2.005	2.184	40.70	2.073	1.954
Stddev	.001	.12	.18	.03	.005	.003	.12	.001	.002
%RSD	.0630	.2913	.4367	.0795	.2315	.1230	.2912	.0566	.0947
#1	2.097	41.24	40.34	43.84	2.009	2.184	40.71	2.073	1.952
#2	2.100	41.04	40.22	43.91	2.007	2.182	40.58	2.072	1.956
#3	2.098	41.25	40.56	43.90	2.000	2.187	40.82	2.075	1.953
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.065	2.103	2.355	2.011	2.016	1.983	1.948	1.949	2.046
Stddev	.003	.006	.003	.001	.009	.004	.002	.005	.001
%RSD	.1562	.2703	.1057	.0699	.4251	.1774	.1018	.2490	.0611
#1	2.067	2.102	2.352	2.009	2.021	1.983	1.950	1.954	2.046
#2	2.061	2.098	2.357	2.012	2.006	1.986	1.946	1.948	2.048
#3	2.067	2.109	2.355	2.010	2.021	1.979	1.949	1.944	2.045
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 4/6/2016 18:04:06 Type: QC
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2311.9	4609.5	41232.	4573.3
Stddev	1.2	4.3	55.	13.6
%RSD	.05080	.09247	.13355	.29651
#1	2313.1	4607.8	41295.	4576.0
#2	2311.8	4614.4	41204.	4585.2
#3	2310.7	4606.4	41196.	4558.5

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Sample Name: CCB Acquired: 4/6/2016 18:08:18 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	0.036	0.000	0.001	0.002	0.023	0.001	0.001	-0.001
Stddev	.0002	.0063	.0001	.0002	.0000	.0036	.0000	.0001	.0001
%RSD	56.32	175.2	140.8	182.1	1.616	155.1	13.55	84.81	104.4

#1 -0.002 .007 .0001 .0003 .0002 .0016 .0001 .0001 .0001 -0.001
 #2 -0.005 .0108 .0000 .0001 .0002 .0062 .0001 .0002 .0002 .0000
 #3 -0.002 -0.008 .0000 -0.001 .0002 -0.008 .0001 .0000 .0000 -0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.005	0.118	0.389	-0.145	0.001	F -0.015	-0.127	-0.001	0.010
Stddev	.0001	.0004	.0079	.0143	.0000	.0003	.0032	.0002	.0004
%RSD	20.27	3.580	20.26	98.35	4.238	23.00	25.03	124.2	40.87

#1 -0.006 .0114 .0347 -0.294 .0001 .0019 -0.115 .0000 .0009
 #2 -0.004 .0117 .0340 -0.009 .0001 .0014 -0.164 -0.002 .0006
 #3 -0.006 .0122 .0480 -0.133 .0001 .0012 -0.104 -0.003 .0014

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit .0010
 Low Limit -0.010

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.001	-0.002	0.004	0.005	0.003	0.009	-0.009	0.000	0.001
Stddev	.0006	.0009	.0002	.0001	.0001	.0001	.0006	.000	.0001
%RSD	692.7	491.1	58.69	24.68	22.02	9.548	69.50	350.1	59.73

#1 -0.006 -0.006 .0001 .0005 .0003 .0010 -0.003 .0001 .0002
 #2 .0002 -0.007 .0005 .0006 .0003 .0009 -0.009 .0000 .0000
 #3 .0006 .0008 .0005 .0003 .0002 .0009 -0.0015 -0.002 .0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/6/2016 18:08:18 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2603.4	4739.7	4281.0	4651.1
Stddev	2.1	5.1	182.	16.4
%RSD	.07880	.10656	.42496	.35157

#1 2605.3 4741.8 42622. 4667.6
 #2 2601.2 4743.4 42985. 4650.7
 #3 2603.7 4733.9 42822. 4634.9

Sample Name: FA31929-35 Acquired: 4/6/2016 18:12:50 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref (Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.015	381.9	0.527	3.645	0.114	93.68	-0.006	1.106	5498
Stddev	.0003	.8	.0056	.007	.0004	.26	.0003	.0006	.0048
%RSD	18.33	2068	10.64	1930	3.952	2809	46.97	5806	8745

#1 -0.015 381.0 .0541 3.642 .0111 93.64 -0.004 .1113 .5552
 #2 -0.012 382.6 .0575 3.653 .0119 93.44 -0.008 .1103 .5462
 #3 -0.017 382.1 .0465 3.640 .0112 93.96 -0.004 .1101 .5479

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref (Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	9652	299.3	19.86	34.27	7.780	0.131	3.414	3524	1.189
Stddev	.0012	.7	.16	.17	.027	.0006	.020	.0009	.008
%RSD	.1215	.2450	.7936	.4983	.3433	4.234	5.776	.2600	.7017

#1 .9639 298.6 19.77 34.36 7.810 .0133 3.435 .3534 1.192
 #2 .9629 299.2 19.77 34.36 7.760 .0135 3.396 .3518 1.195
 #3 .9654 300.1 20.04 34.07 7.770 .0125 3.410 .3518 1.179

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref (Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.058	-0.0089	4.719	0.0414	1.226	9.830	-0.0083	6.592	3682
Stddev	.0031	.0007	.001	.0014	.002	.013	.0077	.0018	.0017
%RSD	53.15	8.033	.0186	3.426	.1728	.1343	91.97	.2739	.4513

#1 .0028 -0.0089 4.719 .0419 1.224 9.843 -0.0168 .6613 .3701
 #2 .0090 -0.0082 4.718 .0398 1.227 9.816 -0.0019 .6580 .3672
 #3 .0057 -0.0097 4.719 .0426 1.228 9.831 -0.0063 .6583 .3673

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2475.6	4879.2	4395.4	4858.6
Stddev	4.4	5.4	74.	12.6
%RSD	.17794	.11049	.16764	.26020

#1 2471.4 4876.7 4392.4 4844.2
 #2 2480.2 4885.3 4403.8 4868.1
 #3 2475.1 4875.5 4390.0 4863.3

Sample Name: FA31929-38 Acquired: 4/6/2016 18:17:11 Type: Unk
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref (Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.021	320.9	0.479	2.704	0.084	56.83	-0.015	0.824	4605
Stddev	.0004	.5	.0032	.004	.0003	.20	.0004	.0005	.0017
%RSD	19.67	.1622	6.752	.1599	3.367	.3508	26.54	.5487	.3615

#1 -0.021 320.5 .0457 2.708 .0083 56.98 -0.019 .0828 .4614
 #2 -0.017 320.8 .0516 2.699 .0087 56.60 -0.011 .0823 .4585
 #3 -0.025 321.5 .0465 2.706 .0082 56.91 -0.015 .0819 .4615

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref (Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	9517	257.5	27.11	29.81	5.802	0.109	3.200	3016	1.598
Stddev	.0013	.6	.09	.30	.006	.0005	.041	.0018	.007
%RSD	.1416	.2209	.3168	1.022	.0966	4.956	1.295	.6057	.4494

#1 .9504 257.6 27.06 30.06 5.796 .0106 3.245 .2999 1.603
 #2 .9531 256.9 27.21 29.89 5.807 .0116 3.163 .3035 1.601
 #3 .9516 258.0 27.07 29.47 5.804 .0107 3.192 .3014 1.590

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref (Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.000	-0.0040	4.165	0.377	8.459	8.187	-0.0089	5.401	3.783
Stddev	.004	.0077	.010	.0009	.0041	.011	.0073	.0018	.0001
%RSD	36190.	192.5	2471	2.474	.4882	.1395	81.92	.3273	.0292

#1 -0.0034 -0.0033 4.169 .0374 .8420 8.181 -0.0009 .5389 .3783
 #2 .0036 -0.0121 4.154 .0369 .8455 8.201 -0.0105 .5392 .3782
 #3 -0.0003 .0033 4.173 .0387 .8502 8.181 -0.0152 .5421 .3784

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2506.6	4878.7	43741.	4736.5
Stddev	3.5	3.5	21.	14.2
%RSD	.14007	.07177	.04892	.29880

#1 2505.2 4882.5 43717. 4729.6
 #2 2504.0 4875.6 43759. 4752.8
 #3 2510.6 4878.0 43746. 4727.1

Sample Name: FA31931-1 Acquired: 4/6/2016 18:21:33 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.007	290.9	0.0356	2.513	0.0666	73.36	-0.014	0.0656	4.031
Stddev	.0006	1.4	.0016	.010	.0002	.36	.0003	.0004	.0005
%RSD	79.91	.4648	4.375	.3898	2.867	4.880	18.75	.6141	.1133
#1	-.0010	291.2	.0367	2.517	.0066	73.36	-.0017	.0657	.4029
#2	-.0011	292.1	.0364	2.521	.0065	73.71	-.0012	.0652	.4036
#3	-.0001	289.5	.0339	2.502	.0069	73.00	-.0012	.0660	.4028
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)
Avg	4.689	233.9	21.36	27.39	5.979	0.101	2.529	2.615	3.843
Stddev	.0001	1.1	.13	.13	.009	.0010	.014	.0011	.006
%RSD	.0156	.4520	.6202	.4723	.1455	9.847	.5514	.4377	.1644
#1	.4690	234.0	21.50	27.37	5.977	.0108	2.525	.2627	3.838
#2	.4689	234.9	21.35	27.53	5.989	.0090	2.518	.2604	3.850
#3	.4690	232.8	21.23	27.28	5.972	.0106	2.545	.2615	3.841
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.020	-0.018	4.341	0.0429	1.088	7.010	-0.040	4.957	3.077
Stddev	.0053	.0140	.009	.0022	.004	.005	.0067	.0013	.0002
%RSD	261.8	118.9	.2075	5.036	.3476	.0672	167.9	.2571	.0777
#1	-.0027	-.0234	4.341	.0454	1.085	7.009	.0030	.4955	.3076
#2	.0011	-.0158	4.333	.0422	1.092	7.015	-.0103	.4945	.3076
#3	.0078	.0038	4.351	.0413	1.086	7.006	-.0046	.4970	.3080
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2512.8	4868.5	43488.	4721.1					
Stddev	1.1	15.3	24.	14.3					
%RSD	.04426	.31376	.05473	.30255					
#1	2511.6	4863.9	43484.	4723.7					
#2	2513.7	4885.6	43514.	4705.6					
#3	2513.3	4856.1	43467.	4733.8					

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Sample Name: FA31931-4 Acquired: 4/6/2016 18:25:54 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.010	343.1	0.0391	4.356	0.082	132.1	-0.002	0.0764	4.491
Stddev	.0017	1.8	.0020	.022	.0001	.3	.0002	.0006	.0043
%RSD	165.9	.5220	5.161	.5086	1.575	.1991	86.36	.8413	.9660
#1	.0009	342.4	.0383	4.369	.0081	131.8	-.0004	.0761	.4515
#2	-.0023	341.8	.0414	4.330	.0083	132.1	-.0004	.0759	.4518
#3	-.0017	345.1	.0376	4.368	.0082	132.4	.0000	.0771	.4441
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)
Avg	4.741	276.1	21.81	34.06	8.785	0.129	2.951	3.169	8.820
Stddev	.0003	1.5	.10	.30	.056	.0006	.049	.0006	.0052
%RSD	.0611	.5447	.4528	.8835	.6424	4.868	1.649	.1767	.5940
#1	.4739	275.1	21.85	33.86	8.797	.0135	2.954	.3175	.8766
#2	.4740	275.4	21.69	33.92	8.834	.0123	2.901	.3168	.8824
#3	.4745	277.9	21.88	34.41	8.723	.0128	2.999	.3164	.8871
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.020	-0.003	4.686	0.0425	1.920	7.725	-0.0108	5.976	3.130
Stddev	.0013	.0072	.008	.0023	.009	.016	.0035	.0024	.0003
%RSD	64.72	237.0	.1676	5.324	.4897	.2091	32.33	.3985	.1008
#1	.0007	.0053	4.681	.0436	1.920	7.732	-.0071	.5973	.3133
#2	.0032	.0022	4.681	.0399	1.911	7.736	-.0112	.6002	.3130
#3	.0020	-.0084	4.695	.0439	1.930	7.706	-.0141	.5954	.3127
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2476.7	4860.2	43830.	4771.2					
Stddev	9.3	12.8	222.	34.5					
%RSD	.37405	.26342	.50636	.72248					
#1	2483.6	4874.9	43811.	4803.0					
#2	2480.4	4854.3	43618.	4776.1					
#3	2466.2	4851.4	44060.	4734.6					

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7.2
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Sample Name: CRIA Acquired: 4/6/2016 18:30:14 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.092	2396	0.110	2.041	0.054	1.096	0.058	0.091	0.114
Stddev	.0002	.0048	.0004	.0016	.0001	.008	.0001	.0004	.0000
%RSD	2.269	2.006	3.806	.7757	.9479	.7077	1.159	.6253	.0806
#1	.0094	2353	.0106	.2051	.0054	1.105	.0057	.0589	.0114
#2	.0090	2448	.0114	.2049	.0054	1.091	.0058	.0589	.0114
#3	.0092	2388	.0111	.2023	.0054	1.092	.0059	.0595	.0114
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.281	3535	10.56	5.784	0.168	0.556	10.70	0.456	0.062
Stddev	.0001	.0063	.10	.053	.0002	.0001	.07	.0003	.0003
%RSD	.5142	1.794	.9523	.9124	1.422	.0972	.6434	.6204	4.213
#1	.0281	.3596	10.66	5.828	.0169	.0556	10.74	.0456	.0059
#2	.0282	.3540	10.58	5.799	.0169	.0557	10.73	.0453	.0062
#3	.0279	.3469	10.46	5.725	.0165	.0556	10.62	.0459	.0065
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.054	0.105	0.347	0.0543	0.107	0.109	0.100	0.501	0.242
Stddev	.0005	.0019	.0002	.0002	.0001	.0001	.0002	.0002	.0001
%RSD	10.14	17.99	.6767	.4157	.6767	.8217	2.306	.4595	.5179
#1	.0058	.0117	.0349	.0544	.0108	.0109	.0099	.0502	.0240
#2	.0048	.0115	.0345	.0540	.0108	.0110	.0102	.0502	.0242
#3	.0055	.0083	.0349	.0544	.0107	.0108	.0098	.0498	.0243
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2546.9	4729.4	42296.	4686.2					
Stddev	3.1	7.8	311.	27.6					
%RSD	.12258	.16567	.73624	.58878					
#1	2550.0	4729.8	42100.	4666.8					
#2	2546.9	4737.0	42132.	4674.1					
#3	2543.7	4721.3	42655.	4717.8					

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Sample Name: ICSA Acquired: 4/6/2016 18:34:42 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Avg	-0.006	F 527.1	0.007	-0.002	0.000	464.1	-0.005	-0.003
Stddev	.0002	5.5	.0006	.0001	.000	4.8	.0001	.0001
%RSD	37.75	1.034	80.62	89.41	154.5	1.041	13.96	39.41
#1	-.0005	527.9	.0005	-.0003	.0000	468.1	-.0005	-.0002
#2	-.0008	521.2	.0013	-.0001	-.0001	458.7	-.0005	-.0004
#3	-.0004	532.1	.0003	-.0001	.0000	465.4	-.0006	-.0002
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	0.001	0.003	185.6	0.673	F 553.4	-0.003	-0.007	-1.085
Stddev	.0001	.0002	1.6	.0123	5.9	.0000	.0002	.0044
%RSD	131.5	68.49	.8655	18.26	1.058	10.13	26.58	4.070
#1	.0000	.0002	186.2	.0814	555.1	-.0003	-.0005	-.1083
#2	.0003	.0001	183.8	.0613	546.9	-.0003	-.0006	-.1042
#3	.0000	.0005	186.8	.0592	558.3	-.0003	-.0008	-.1130
Elem	N							

Sample Name: ICSA Acquired: 4/6/2016 18:34:42 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2057.3	4262.7	37349.	4348.5
Stddev	4.1	7.1	67.	42.8
%RSD	.19959	.16703	.18035	.98385
#1	2060.5	4257.9	37274.	4325.6
#2	2058.8	4270.9	37405.	4397.8
#3	2052.7	4259.3	37368.	4322.0

Sample Name: ICSAB Acquired: 4/6/2016 18:39:23 Type: Unk
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F 1.028	F 531.5	1.106	4825.	5014	470.6	9676.	4965	4912
Stddev	.003	4.2	.007	.0014	.0016	2.3	.0078	.0039	.0020
%RSD	.2728	.7809	.6503	.2862	.3097	.4959	.8109	.7802	.3988
#1	1.025	530.2	1.104	4815.	5024	471.5	9635	4945	4892
#2	1.031	536.2	1.101	4841.	5021	472.4	9627	4940	4913
#3	1.028	528.2	1.115	4820	4996	468.0	9767	5010	4931
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5580	186.8	0.284	F 566.2	4742	1.002	1111	9488	9074
Stddev	.0004	.7	.0351	2.6	.0010	.009	.0083	.0064	.0077
%RSD	.0765	.3530	123.6	.4649	.2066	.8678	7.438	.6748	.8538
#1	.5582	187.5	-.0099	569.1	.4735	.9986	.1199	9460	.9060
#2	.5583	186.8	.0590	565.4	.4753	.9961	.1098	9442	.9004
#3	.5575	186.2	.0362	564.0	.4737	1.012	.1035	9561	.9157
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.052	1.057	.1194	9224	1.000	9629	9241	4432	9250
Stddev	.008	.009	.0015	.0090	.003	.0012	.0081	.0022	.0064
%RSD	.7408	.8199	1.228	.9712	.2805	.1235	.8754	.4938	.6959
#1	1.047	1.047	.1183	9163	1.003	9623	9213	4416	9212
#2	1.047	1.058	.1188	9182	.9999	9642	9177	4424	9213
#3	1.061	1.064	.1210	9327	.9977	9621	9332	4457	9324
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2014.5	4212.4	37483.	4295.1					
Stddev	12.5	26.1	23.	12.6					
%RSD	.61929	.61886	.06243	.29424					
#1	2009.1	4210.7	37510.	4280.5					
#2	2028.7	4239.2	37468.	4303.6					
#3	2005.6	4187.2	37472.	4301.1					

Sample Name: CCV Acquired: 4/6/2016 18:43:53 Type: QC
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2617	42.68	2.077	1.942	2.043	39.99	2.139	2.192	2.041
Stddev	.0011	.12	.006	.002	.004	.04	.007	.004	.004
%RSD	.4200	.2712	.2828	.0896	.1811	.0896	.3227	.1975	.2178
#1	.2619	42.78	2.073	1.943	2.045	40.01	2.136	2.190	2.045
#2	.2605	42.55	2.084	1.944	2.039	39.95	2.147	2.197	2.036
#3	.2626	42.71	2.075	1.940	2.046	40.02	2.134	2.190	2.043

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.109	41.14	40.41	43.86	1.988	F 2.205	40.59	2.097	1.966
Stddev	.004	.11	.03	.27	.005	.002	.08	.005	.012
%RSD	.1846	.2651	.0638	.6172	.2305	.1083	.1956	.2641	.6090
#1	2.109	41.14	40.42	44.07	1.985	2.203	40.66	2.094	1.956
#2	2.114	41.04	40.38	43.55	1.986	2.207	40.60	2.103	1.979
#3	2.106	41.26	40.43	43.95	1.993	2.206	40.51	2.093	1.962

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
Value Range 2.000 10.00%

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.093	2.137	2.393	2.035	2.017	1.979	1.964	1.952	2.052
Stddev	.001	.004	.001	.007	.003	.001	.010	.003	.013
%RSD	.0660	.1869	.0467	.3397	.1657	.0328	.4995	.1757	.6542
#1	2.095	2.138	2.392	2.030	2.021	1.979	1.959	1.954	2.047
#2	2.093	2.133	2.394	2.043	2.016	1.979	1.975	1.948	2.068
#3	2.093	2.140	2.392	2.032	2.015	1.980	1.957	1.954	2.042

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Sample Name: CCV Acquired: 4/6/2016 18:43:53 Type: QC
Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2279.6	4533.7	41089.	4590.1
Stddev	3.3	8.2	92.	23.0
%RSD	.14316	.18194	.22274	.50056
#1	2277.6	4524.2	41184.	4574.3
#2	2277.9	4538.4	41083.	4616.4
#3	2283.4	4538.5	41001.	4579.5

Sample Name: CCB Acquired: 4/6/2016 18:48:06 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0151	.0004	.0004	.0003	.0272	.0002	.0002	.0001
Stddev	.0003	.0048	.0005	.0003	.0001	.0027	.0001	.0001	.0001
%RSD	469.9	32.14	132.4	71.62	30.87	9.803	37.10	50.49	70.24
#1	.0003	.0112	.0009	.0004	.0003	.0273	.0003	.0002	.0002
#2	-0.001	.0135	.0002	.0001	.0003	.0244	.0002	.0003	.0002
#3	-0.004	.0205	.0000	.0007	.0004	.0298	.0001	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0263	.0088	.0148	.0002	F-.0017	.0031	.0000	.0007
Stddev	.0002	.0008	.0179	.0218	.0001	.0003	.0036	.0002	.0004
%RSD	96.49	3.111	203.3	147.3	32.91	20.31	119.3	826.2	62.69
#1	-0.003	.0269	.0098	-.0101	.0003	.0020	.0029	.0002	.0002
#2	-0.003	.0254	-.0096	.0303	.0002	.0017	.0068	.0000	.0009
#3	.0000	.0267	.0262	.0243	.0002	.0013	-.0005	-.0001	.0010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	-.0014	.0040	.0005	.0004	.0011	-.0003	.0002	.0007
Stddev	.0010	.0009	.0002	.0001	.0001	.0001	.0007	.0002	.0000
%RSD	141.9	69.30	4.124	18.49	15.61	14.06	286.7	92.80	5.776
#1	-.0004	-.0004	.0042	.0004	.0004	.0012	-.0003	.0005	.0007
#2	.0015	-.0023	.0039	.0004	.0004	.0010	-.0009	.0002	.0007
#3	.0011	-.0014	.0039	.0006	.0005	.0010	.0005	.0001	.0007

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/6/2016 18:48:06 Type: QC
 Method: 60102007_042011(v47) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2578.6	4711.4	4242.9	4594.5
Stddev	9.3	12.4	151.	28.9
%RSD	.36049	.26279	.35506	.62925
#1	2569.3	4697.3	4242.6	4606.6
#2	2578.6	4716.6	4258.2	4561.6
#3	2587.8	4720.3	4228.0	4615.5

7.2
7

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000009	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000083	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000005	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000096	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000000	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000012	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000123	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000003	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000041	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000029	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000026	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	-0.000020	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000035	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	0.000012	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000006	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.000060	0.554152	0.000000	1.000000
Al 396.152 { 85}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.000880	0.199374	0.000000	1.000000
As 189.042 {478}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.000797	0.180516	0.000000	1.000000
Ba 455.403 { 74}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.003082	8.122864	0.000000	1.000000
Be 313.042 {108}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.000419	9.900421	0.000000	1.000000
Ca 317.933 {106}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.002313	0.230631	0.000000	1.000000
Cd 226.502 {449}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.001191	4.686622	0.000000	1.000000
Co 228.616 {447}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.000638	2.513821	0.000000	1.000000
Cr 267.716 {126}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.000047	0.510323	0.000000	1.000000
Cu 324.754 {104}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.006154	0.838932	0.000000	1.000000
Fe 259.940 {130}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.001157	0.149505	0.000000	1.000000
In 230.606 {446}*	4/6/2016 13:28:17	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.004239	0.096487	0.000000	1.000000
Mg 279.079 {121}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.000155	0.020718	0.000000	1.000000
Mn 257.610 {131}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.000681	2.873832	0.000000	1.000000
Mo 202.030 {467}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.000528	1.053351	0.000000	1.000000
Na 589.592 { 57}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.001915	0.391641	0.000000	1.000000
Ni 231.604 {445}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.000007	1.589292	0.000000	1.000000
Pb 220.353 {453}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.000496	0.836021	0.000000	1.000000
Sb 206.833 {463}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.000598	0.258613	0.000000	1.000000
Se 196.090 {472}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.000588	0.123029	0.000000	1.000000
Si 212.412 {459}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.004925	0.395849	0.000000	1.000000
Sn 189.989 {477}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.000188	0.364900	0.000000	1.000000
Sr 407.771 { 83}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.000801	16.496538	0.000000	1.000000
Ti 334.941 {101}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.001087	2.102928	0.000000	1.000000
Tl 190.856 {477}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.000984	0.275467	0.000000	1.000000
V 292.402 {115}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	-0.000535	0.730010	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	4/6/2016 13:28:17	4/6/2016 12:50:37	Linear	1/Conc	0.000840	2.329833	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999979	0.000035	0.000359	0.001197	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999899	0.004578	0.007145	0.023818	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999843	0.000257	0.000805	0.002683	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999958	0.005975	0.000221	0.000738	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999931	0.009346	0.000059	0.000197	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999744	0.008407	0.002895	0.009649	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999990	0.001719	0.000049	0.000162	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999991	0.000850	0.000100	0.000334	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999882	0.000632	0.000242	0.000807	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999976	0.000470	0.000220	0.000734	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999546	0.007260	0.002320	0.007733	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999885	0.002355	0.025694	0.085647	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999887	0.000502	0.021212	0.070706	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999711	0.005570	0.000038	0.000126	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999988	0.000418	0.000139	0.000464	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999900	0.008905	0.006561	0.021870	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999993	0.000478	0.000162	0.000539	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999872	0.001080	0.000605	0.002017	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999814	0.000401	0.000897	0.002989	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999844	0.000175	0.001720	0.005733	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.996347	0.002732	0.000408	0.001361	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999978	0.000194	0.000337	0.001124	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999874	0.021058	0.000070	0.000232	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999868	0.002751	0.000089	0.000297	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999927	0.000269	0.001045	0.003482	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999947	0.000598	0.000216	0.000718	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999961	0.001660	0.000073	0.000243	OK	1.000000	0.000000	1	0

Sample Name: Blank Acquired: 4/7/2016 8:42:04 Type: Cal
Method: 60102007_041712(v57) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.013	-0.009	-0.004	.015	-0.001	.0058	-0.004	.0000	.0000
Stddev	.0001	.0010	.0001	.0037	.0004	.0002	.0001	.0001	.0001
%RSD	6.836	109.0	30.55	31.89	513.8	2.645	31.20	3513.	293.2
#1	-0.013	-0.006	-0.004	.0120	.0000	.0059	-0.002	.0001	.0000
#2	-0.012	-0.001	-0.003	.0148	-0.005	.0060	-0.004	.0000	.0000
#3	-0.013	-0.021	-0.006	.0076	.0003	.0057	-0.005	-0.001	.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0044	.0029	.0108	-0.003	.0003	.0014	-0.0056	-0.0001	-0.013
Stddev	.0001	.0007	.0024	.0004	.0000	.0002	.0034	.0000	.0008
%RSD	1.216	22.73	21.79	125.9	15.17	15.05	61.11	17.85	64.00
#1	.0045	.0036	.0105	-0.003	.0003	.0016	-0.018	-0.001	-0.005
#2	.0044	.0025	.0134	.0000	.0002	.0014	-0.008	-0.001	-0.011
#3	.0045	.0025	.0087	-0.008	.0003	.0012	-0.065	-0.001	-0.021
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0005	.0001	.0059	.0001	.0034	.0014	-0.0039	-0.0003	.0021
Stddev	.0002	.0001	.0002	.0001	.0013	.0001	.0007	.0001	.0002
%RSD	32.81	71.12	3.501	65.22	39.26	7.497	18.43	29.02	9.936
#1	.0006	.0000	.0057	.0001	.0031	.0015	-0.0037	-0.004	.0023
#2	.0003	.0003	.0059	.0002	.0048	.0014	-0.047	-0.003	.0019
#3	.0005	.0001	.0061	.0002	.0022	.0013	-0.033	-0.002	.0021
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2661.4	7233.2	54408.	6626.5					
Stddev	4.6	5.2	198.	23.3					
%RSD	.17333	.07193	.36468	.35204					
#1	2666.1	7233.2	54186.	6610.7					
#2	2661.2	7238.4	54566.	6615.6					
#3	2656.9	7228.0	54473.	6653.3					

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Sample Name: LowStd Acquired: 4/7/2016 8:45:49 Type: Cal
Method: 60102007_041712(v57) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0331	1.756	.1073	6.234	4.738	2.987	2.476	1.205	.2127	.3467
Stddev	.0001	.005	.0004	.008	.013	.007	.004	.002	.0003	.0003
%RSD	.4422	.3048	.3627	.1264	.2757	.2493	.1566	.1389	.1542	.0729
#1	.0333	1.757	.1074	6.242	4.742	2.989	2.481	1.207	.2129	.3466
#2	.0330	1.760	.1068	6.235	4.748	2.993	2.474	1.204	.2124	.3466
#3	.0331	1.750	.1076	6.226	4.723	2.979	2.475	1.204	.2130	.3470
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.096	1.459	.2934	1.451	.6305	4.168	.7720	.6717	.1266	.0778
Stddev	.003	.004	.0012	.003	.0010	.013	.0009	.0009	.0005	.0005
%RSD	.1371	.2554	.4171	.1767	.1572	.3082	.1199	.1398	.4223	.5936
#1	2.099	1.463	.2944	1.453	.6308	4.171	.7730	.6718	.1272	.0779
#2	2.096	1.460	.2938	1.449	.6293	4.179	.7714	.6725	.1262	.0773
#3	2.093	1.455	.2921	1.452	.6312	4.154	.7714	.6707	.1264	.0782
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S			
Avg	2.050	.2404	8.730	.9510	.3083	.3139	1.483			
Stddev	.0001	.0004	.028	.0020	.0011	.0005	.002			
%RSD	.0359	.1489	.3234	.2138	.3585	.1535	.1574			
#1	2.050	.2407	8.737	.9511	.3096	.3144	1.485			
#2	2.049	.2400	8.754	.9489	.3078	.3139	1.483			
#3	2.050	.2405	8.699	.9529	.3076	.3134	1.480			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Units	Cts/S	Cts/S	Cts/S	Cts/S						
Avg	2501.3	7210.7	54377.	6629.1						
Stddev	2.2	4.6	233.	28.3						
%RSD	.08842	.06325	.42906	.42625						
#1	2502.3	7215.9	54132.	6606.7						
#2	2498.7	7208.2	54596.	6660.9						
#3	2502.8	7207.9	54403.	6619.8						

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Sample Name: MidStd Acquired: 4/7/2016 8:52:59 Type: Cal
Method: 60102007_041712(v57) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1369	6.495	.4449	25.47	19.05	10.98	9.888	4.787	.8412	1.390
Stddev	.0005	.012	.0042	.02	.06	.05	.089	.043	.0026	.001
%RSD	.3718	.1844	.9496	.0871	.2973	.4192	.8984	.8883	.3057	.0500
#1	.1366	6.508	.4496	25.46	19.11	11.03	9.988	4.835	.8426	1.390
#2	.1375	6.491	.4437	25.50	19.05	10.96	9.855	4.772	.8429	1.389
#3	.1366	6.485	.4414	25.46	19.00	10.94	9.820	4.755	.8383	1.391
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7.451	5.497	1.083	5.854	2.512	15.57	3.069	2.802	.5169	.3189
Stddev	.019	.010	.006	.005	.020	.02	.029	.025	.0046	.0032
%RSD	.2600	.1843	.5134	.0915	.7911	.1586	.9488	.8758	.8913	1.018
#1	7.469	5.509	1.089	5.849	2.535	15.60	3.102	2.830	.5222	.3227
#2	7.453	5.490	1.080	5.860	2.505	15.56	3.059	2.791	.5143	.3175
#3	7.430	5.494	1.079	5.853	2.497	15.55	3.046	2.785	.5142	.3167
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S			
Avg	8.209	.9512	34.81	3.871	1.282	1.263	5.908			
Stddev	.0074	.0094	.04	.003	.012	.001	.054			
%RSD	.9046	.9919	.1208	.0746	.9601	.0873	.9203			
#1	.8291	.9619	34.83	3.868	1.296	1.263	5.970			
#2	.8191	.9474	34.84	3.874	1.274	1.264	5.889			
#3	.8146	.9443	34.76	3.872	1.274	1.262	5.866			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Units	Cts/S	Cts/S	Cts/S	Cts/S						
Avg	2249.4	6891.3	52012.	6638.3						
Stddev	15.4	49.6	163.	53.1						
%RSD	.68645	.71959	.31344	.80034						
#1	2231.7	6835.0	52079.	6577.0						
#2	2256.4	6910.0	51827.	6670.8						
#3	2260.1	6928.8	52131.	6667.1						

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Sample Name: HighStd Acquired: 4/7/2016 8:57:09 Type: Cal
Method: 60102007_041712(v57) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2759	12.97	.8946	49.81	37.41	21.58	19.51	9.486	1.651	2.774
Stddev	.0001	.03	.0008	.52	.04	.03	.01	.009	.004	.002
%RSD	.0414	.2429	.0943	1.044	.1201	.1289	.0676	.0989	.2200	.0535
#1	.2758	12.94	.8953	49.96	37.36	21.55	19.52	9.489	1.647	2.774
#2	.2759	12.98	.8936	50.24	37.45	21.60	19.49	9.476	1.652	2.772
#3	.2760	13.00	.8948	49.23	37.41	21.58	19.51	9.494	1.654	2.775
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	14.93	10.90	2.126	11.18	5.019	30.84	6.042	5.722	1.039	.6375
Stddev	.02	.01	.001	.06	.004	.05	.005	.008	.001	.0004
%RSD	.1596	.1222	.0362	.5401	.0732	.1521	.0857	.1442	.0790	.0648
#1	14.93	10.89	2.127	11.14	5.018	30.79	6.046	5.732	1.040	.6374
#2	14.96	10.91	2.126	11.16	5.016	30.84	6.036	5.717	1.038	.6372
#3	14.91	10.90	2.126	11.25	5.023	30.88	6.042	5.718	1.040	.6380
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S			
Avg	1.558	1.860	68.03	7.501	2.575	2.483	11.63			
Stddev	.001	.002	.71	.052	.003	.003	.01			
%RSD	.0565	.1002	1.042	.6930	.0998	.1186	.0910			
#1	1.558	1.862	68.85	7.5						

Sample Name: HSTD Acquired: 4/7/2016 9:01:23 Type: QC
Method: 60102007_041712(v57) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 11 columns: Elem, Units, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 8 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Sample Name: HSTD Acquired: 4/7/2016 9:01:23 Type: QC
Method: 60102007_041712(v57) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 8 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Sample Name: ICV Acquired: 4/7/2016 9:09:39 Type: QC
Method: 60102007_041712(v57) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 11 columns: Elem, Units, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 8 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Sample Name: ICV Acquired: 4/7/2016 9:09:39 Type: QC
Method: 60102007_041712(v57) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 8 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Sample Name: ICB Acquired: 4/7/2016 9:16:45 Type: QC
 Method: 60102007_041712(v57) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-.0008	-.0003	-.0001	.0001	.0023	.0000	.0001
Stddev	.0005	.0093	.0006	.0000	.0001	.0034	.0001	.0001
%RSD	606.3	1188.	207.0	76.89	113.6	144.9	288.3	88.53

#1	-.0001	-.0002	-.0003	.0000	.0000	.0060	.0001	.0002
#2	-.0003	-.0103	.0003	.0000	.0000	-.0005	.0000	.0003
#3	.0007	.0082	-.0008	-.0001	.0001	.0015	.0000	.0000

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0004	-.0012	-.0195	.0068	.0001	.0002	.0061
Stddev	.0001	.0001	.0008	.0041	.0137	.0000	.0001	.0063
%RSD	1784.	26.16	69.78	21.24	201.4	27.39	70.11	103.1

#1	.0000	.0003	-.0002	-.0242	.0077	.0001	.0003	-.0011
#2	.0001	.0004	-.0016	-.0182	.0200	.0001	.0001	.0092
#3	-.0001	.0005	-.0017	-.0162	-.0073	.0001	.0001	.0102

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	F-.0011	.0000	.0005	.0018	.0004	.0000	.0001
Stddev	.0001	.0003	.0007	.0002	.0004	.0001	.0000	.0001
%RSD	113.9	26.97	175.3	49.02	21.01	17.71	104.2	66.78

#1	.0001	-.0010	-.0004	.0002	.0016	.0003	.0000	.0003
#2	.0002	-.0015	.0008	.0007	.0017	.0004	.0000	.0001
#3	.0000	-.0009	-.0003	.0005	.0023	.0005	.0000	.0001

Check ? High Limit Low Limit
 Chk Pass Chk Fail .0010
 .0010

Sample Name: ICB Acquired: 4/7/2016 9:16:45 Type: QC
 Method: 60102007_041712(v57) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	-.0001	.0002	.0000
Stddev	.0005	.0001	.0000
%RSD	719.3	29.84	123.2

#1	.0005	.0003	.0000
#2	-.0005	.0002	.0000
#3	-.0002	.0002	.0000

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2621.6	7120.5	54726.	6750.3
Stddev	4.6	6.9	254.	18.3
%RSD	.17427	.09656	.46462	.27177

#1	2625.1	7123.6	54571.	6748.6
#2	2616.4	7112.6	54589.	6732.9
#3	2623.2	7125.2	55020.	6769.4

Sample Name: CRIA Acquired: 4/7/2016 9:25:51 Type: QC
 Method: 60102007_041712(v57) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0091	.2106	.0099	.2100	.0052	1.041	.0053	.0541	.0106	.0270
Stddev	.0002	.0058	.0003	.0007	.0000	.006	.0000	.0001	.0003	.0001
%RSD	1.835	2.767	2.665	.3503	.9474	.6279	.8899	.2442	2.519	.3654

#1	.0089	.2159	.0102	.2100	.0052	1.048	.0054	.0541	.0108	.0268
#2	.0093	.2043	.0099	.2092	.0051	1.035	.0053	.0543	.0103	.0270
#3	.0090	.2116	.0097	.2107	.0051	1.039	.0053	.0540	.0105	.0270

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3043	10.23	5.278	.0164	.0503	10.32	.0438	.0048	.0046	.0104
Stddev	.0039	.05	.024	.0000	.0001	.03	.0002	.0007	.0008	.0004
%RSD	1.274	.5195	.4558	.1799	.2762	.3150	.4179	15.58	16.80	3.651

#1	.2998	10.24	5.305	.0164	.0502	10.35	.0437	.0040	.0040	.0105
#2	.3068	10.17	5.259	.0163	.0505	10.28	.0440	.0050	.0042	.0100
#3	.3062	10.27	5.270	.0164	.0503	10.32	.0436	.0054	.0054	.0108

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0112	.0544	.0102	.0099	.0107	.0502	.0223
Stddev	.0000	.0003	.0000	.0001	.0004	.0002	.0000
%RSD	.3453	.5452	.3778	.9995	3.611	.3651	.1856

#1	.0112	.0546	.0102	.0099	.0106	.0500	.0223
#2	.0111	.0546	.0102	.0098	.0103	.0503	.0222
#3	.0112	.0541	.0101	.0100	.0111	.0503	.0223

Check ? High Limit Low Limit
 None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CRIA Acquired: 4/7/2016 9:25:51 Type: QC
 Method: 60102007_041712(v57) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2544.6	7116.9	54254.	6787.1
Stddev	2.8	9.0	113.	7.6
%RSD	.11084	.12680	.20864	.11197

#1	2543.6	7106.4	54164.	6793.7
#2	2547.8	7121.8	54381.	6778.8
#3	2542.4	7122.4	54216.	6788.9

Sample Name: ICSA Acquired: 4/7/2016 9:33:20 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.006	482.4	.0000	-0.003	.0000	456.5	.0001	-0.002	.0002	.0000
Stddev	.0003	5.3	.001	.0001	.0000	2.5	.0001	.0001	.0002	.0004
%RSD	50.17	1.107	2168.	23.52	42.52	5492	84.21	56.87	114.6	3026.
#1	-0.002	486.8	.0000	-0.003	.0000	456.0	.0000	-0.001	.0005	-0.003
#2	-0.007	476.4	.0008	-0.004	.0000	454.3	.0001	-0.001	.0000	.0004
#3	-0.008	483.9	-0.009	-0.003	.0000	459.2	.0001	-0.003	.0001	-0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	179.0	.0351	498.5	.0000	.0002	.1305	.0000	-0.002	-0.003	.0000
Stddev	.6	.0242	1.5	.0001	.0001	.0084	.000	.0014	.0015	.004
%RSD	.3503	68.87	.3024	5685.	79.27	6.433	426.9	718.0	455.9	25280.
#1	178.5	.0421	498.1	.0000	.0003	.1212	.0000	-0.018	-0.020	.0040
#2	179.7	.0082	500.2	.0000	.0002	.1373	.0001	.0006	.0006	-0.012
#3	178.8	.0550	497.3	.0001	.0000	.1331	-0.003	.0006	.0005	-0.029

Check ? Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0797	-0.0003	.0000	-0.0009	-0.0003	.0008	-0.0017
Stddev	.0008	.0005	.0001	.0000	.0013	.0001	.0002
%RSD	.9600	172.7	4097.	2.047	405.5	17.17	9.493
#1	.0790	-0.002	.0000	-0.0009	.0006	.0007	-0.018
#2	.0805	-0.008	.0001	-0.0009	.0002	.0008	-0.018
#3	.0797	.0002	.0000	-0.0009	-0.017	.0010	-0.015

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 4/7/2016 9:33:20 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2007.4	6364.1	48005.	6546.0
Stddev	4.7	9.5	41.	15.6
%RSD	.23300	.14894	.08439	.23799
#1	2012.2	6373.8	47962.	6541.7
#2	2002.8	6363.5	48009.	6563.3
#3	2007.3	6354.9	48043.	6533.1

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSAB Acquired: 4/7/2016 9:40:53 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9719	491.6	1.093	.5076	.4838	468.0	.9484	.4707	.4955	.5278
Stddev	.0011	8.9	.002	.0005	.0021	8.7	.0003	.0002	.0005	.0010
%RSD	.1090	1.808	.2041	.1074	.4278	1.855	.0347	.0354	.1055	.1952
#1	.9730	487.3	1.092	.5082	.4842	467.3	.9483	.4709	.4950	.5279
#2	.9718	501.9	1.095	.5075	.4856	477.0	.9482	.4707	.4954	.5287
#3	.9709	485.8	1.091	.5071	.4815	459.7	.9488	.4706	.4960	.5267

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	179.6	.0573	507.6	.5025	.9475	.1421	.9492	.9365	1.019	1.018
Stddev	.2	.0207	4.4	.0011	.0007	.0028	.0005	.0033	.002	.005
%RSD	.1096	36.17	.8677	.2156	.0696	1.955	.0500	.3570	.1999	.4979
#1	179.4	.0692	508.4	.5028	.9467	.1427	.9495	.9391	1.021	1.014
#2	179.8	.0692	511.5	.5012	.9478	.1390	.9487	.9328	1.018	1.023
#3	179.4	.0334	502.8	.5033	.9479	.1445	.9495	.9378	1.018	1.015

Check ? Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1125	.9452	.9951	1.013	.9584	.4669	.9479
Stddev	.0005	.0010	.0019	.001	.0028	.0005	.0005
%RSD	.4058	.1054	.1925	.1355	.2940	.0966	.0488
#1	.1131	.9462	.9962	1.013	.9579	.4675	.9479
#2	.1123	.9451	.9962	1.012	.9559	.4667	.9475
#3	.1123	.9442	.9929	1.015	.9614	.4667	.9484

Check ? None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 4/7/2016 9:40:53 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1967.8	6319.9	47624.	6396.6
Stddev	3.1	10.7	128.	70.8
%RSD	.15569	.16887	.26956	1.1070
#1	1970.1	6331.5	47599.	6419.6
#2	1969.0	6317.4	47763.	6317.1
#3	1964.3	6310.6	47510.	6453.0

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/7/2016 9:49:50 Type: QC
Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 11 columns: Elem, Units, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 8 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and #1-3.

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Sample Name: CCV Acquired: 4/7/2016 9:49:50 Type: QC
Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 8 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and #1-3.

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Sample Name: CCB Acquired: 4/7/2016 9:57:14 Type: QC
Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
High Limit
Low Limit

Table with 11 columns: Elem, Units, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
High Limit
Low Limit

Table with 8 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and #1-3.

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
High Limit
Low Limit

Sample Name: CCB Acquired: 4/7/2016 9:57:14 Type: QC
Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
High Limit
Low Limit

Table with 8 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and #1-3.

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
High Limit
Low Limit

Sample Name: FA32465-10 Acquired: 4/7/2016 10:02:06 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 100.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.2904	526.5	.6143	215.9	-0.006	1722.	5121	3439	12.65	55.30
Stddev	.0181	3.5	.0575	.5	.0047	4.	.0043	.0054	.03	.07
%RSD	6.244	.6676	9.358	.2399	729.8	.2246	.8438	1.561	.2160	.1180
#1	.2707	530.5	.6320	216.3	.0037	1727.	.5086	.3486	12.61	55.27
#2	.2939	525.2	.6608	216.1	-0.0057	1721.	.5107	.3451	12.66	55.25
#3	.3064	523.9	.5500	215.3	.0000	1719.	.5169	.3381	12.66	55.37

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	4024.	8.471	791.6	38.90	.3350	10.41	3.110	19.27	.7410	.1296
Stddev	5.	1.165	3.5	.13	.0105	.41	.004	.02	.0325	.0528
%RSD	.1265	13.75	.4475	.3212	3.125	3.908	.1202	.0828	4.380	40.74
#1	4029.	9.159	795.3	39.05	.3442	10.16	3.107	19.25	.7755	.0854
#2	4019.	7.126	791.1	38.86	.3236	10.19	3.109	19.28	.7111	.1881
#3	4024.	9.128	788.3	38.81	.3372	10.88	3.114	19.28	.7364	.1154

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	4.511	1.756	16.96	6.782	.1204	.4085	33.71
Stddev	.051	.034	.06	.015	.0234	.0223	.08
%RSD	1.141	1.917	.3352	.2233	19.43	5.461	.2448
#1	4.457	1.737	17.00	6.798	.1342	.3901	33.77
#2	4.559	1.735	17.00	6.767	.0934	.4021	33.61
#3	4.517	1.794	16.90	6.782	.1337	.4334	33.73

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2489.6	6957.4	53364.	6637.0
Stddev	5.9	6.3	226.	28.5
%RSD	.23706	.09066	.42436	.42875
#1	2485.1	6950.9	53123.	6607.3
#2	2496.3	6963.5	53573.	6664.0
#3	2487.5	6957.9	53395.	6639.7

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Sample Name: MP30212-S1 Acquired: 4/7/2016 10:10:14 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 100.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.3819	655.4	2.737	247.3	.0517	1803.	.4237	.9497	13.73	84.95
Stddev	.0333	3.2	.033	1.0	.0023	7.	.0015	.0052	.03	.10
%RSD	8.711	.4952	1.200	.4027	4.514	.3754	.3524	.5510	.1943	.1209
#1	.3867	651.7	2.739	246.5	.0536	1798.	.4226	.9473	13.70	85.07
#2	.3465	657.7	2.703	246.9	.0525	1799.	.4254	.9557	13.75	84.87
#3	.4126	656.9	2.769	248.4	.0491	1810.	.4230	.9461	13.73	84.91

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	4899.	35.08	876.4	51.54	9314	39.30	4.220	16.16	1.084	2.265
Stddev	14.	2.06	4.3	.17	.0136	.43	.013	.03	.030	.131
%RSD	.2953	5.863	.4936	.3241	1.462	1.085	.2966	.1912	2.738	5.791
#1	4888.	33.29	874.1	51.34	.9176	38.85	4.217	16.19	1.051	2.134
#2	4893.	37.33	873.7	51.63	.9317	39.70	4.209	16.14	1.090	2.397
#3	4915.	34.63	881.4	51.64	.9448	39.33	4.234	16.14	1.109	2.263

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	6.047	3.518	17.06	8.482	2.196	.9527	40.16
Stddev	.088	.025	.09	.069	.048	.0162	.05
%RSD	1.464	.7233	.5156	.8113	2.188	1.699	.1259
#1	6.108	3.535	16.97	8.422	2.201	.9493	40.20
#2	5.945	3.489	17.06	8.557	2.242	.9703	40.11
#3	6.086	3.531	17.15	8.467	2.146	.9384	40.18

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2509.6	7030.6	53427.	6698.5
Stddev	4.8	4.8	273.	17.9
%RSD	.18945	.06808	.51123	.26772
#1	2508.0	7032.1	53742.	6691.2
#2	2514.9	7034.5	53264.	6718.9
#3	2505.8	7025.3	53274.	6685.3

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Sample Name: MP30212-D1 Acquired: 4/7/2016 10:06:10 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 100.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.2754	547.4	.6080	225.4	-0.0024	1514.	5444	3761	12.60	55.41
Stddev	.0194	2.1	.0671	.5	.0038	1.	.0020	.0032	.06	.13
%RSD	7.054	.3814	11.03	.2328	159.7	.0850	.3758	.8549	.4740	.2308
#1	.2675	545.1	.5333	225.2	-0.0064	1513.	5456	3784	12.55	55.36
#2	.2975	549.1	.6630	226.0	-0.0019	1516.	5455	3774	12.66	55.31
#3	.2612	548.0	.6278	225.1	.0012	1514.	5420	3724	12.58	55.55

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	4507.	8.846	718.1	40.43	.3019	9.432	3.290	12.70	.6702	.0148
Stddev	11.	1.899	1.4	.10	.0092	.192	.024	.04	.1179	.0907
%RSD	.2484	21.47	.1963	.2437	3.044	2.033	.7426	.2897	17.59	611.8
#1	4503.	7.851	718.8	40.34	.2938	9.217	3.270	12.66	.5508	.0112
#2	4520.	7.652	716.5	40.43	.3119	9.494	3.283	12.71	.6734	.0173
#3	4499.	11.04	719.1	40.53	.3000	9.584	3.317	12.73	.7865	-.0740

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.517	1.662	14.27	7.422	.0401	.5422	27.58
Stddev	.072	.028	.04	.042	.0301	.0225	.07
%RSD	1.299	1.658	.2730	.5710	75.02	4.152	.2587
#1	5.496	1.673	14.23	7.374	.0591	.5446	27.62
#2	5.459	1.682	14.31	7.436	.0558	.5186	27.49
#3	5.597	1.631	14.28	7.455	.0054	.5635	27.62

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2515.1	7030.2	53948.	6721.8
Stddev	4.6	9.4	133.	31.9
%RSD	.18322	.13301	.24608	.47502
#1	2520.1	7029.4	54101.	6698.2
#2	2510.9	7040.0	53872.	6758.1
#3	2514.4	7021.3	53870.	6709.0

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Sample Name: MP30212-S2 Acquired: 4/7/2016 10:14:17 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 100.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.3216	559.9	2.712	231.0	.0555	1523.	.3440	.9198	15.89	50.78
Stddev	.0290	.6	.036	.4	.0078	.0020	.0113	.09	.06	
%RSD	9.013	.1059	1.343	.1585	14.05	.0138	.5943	1.227	.5487	.1240
#1	.2952	560.6	2.710	231.2	.0486	1523.	.3445	.9068	15.95	50.77
#2	.3170	559.8	2.677	230.6	.0639	1523.	.3418	.9259	15.79	50.72
#3	.3526	559.4	2.750	231.2	.0539	1523.	.3458	.9268	15.94	50.85

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	4006.	35.25	769.0	37.48	.8019	38.35	3.763	13.96	.9030	2.295
Stddev	1.	.97	4.0	.11	.0138	.52	.013	.07	.0110	.057
%RSD	.0356	2.753	.5138	.2955	1.727	1.356	.3476	.5283	1.221	2.488
#1	4004.	36.01	764.6	37.60	.8163	37.94	3.774	14.05	.8960	2.262
#2	4006.	34.16	772.4	37.40	.7887	38.94	3.748	13.91	.9158	2.361
#3	4007.									

Sample Name: MP30212-PS1 Acquired: 4/7/2016 10:18:21 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 100.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	
Avg	.4145	552.8	.7724	223.0	.1034	1794.	.6245	.4572	13.18	57.14	
Stddev	.0401	2.4	.0092	.6	.0027	7.	.0020	.0069	.02	.11	
%RSD	9.687	4.298	1.186	2.716	2.636	3.753	3.191	1.516	1.808	1.942	
#1	4.209	550.1	.7696	222.4	.1004	1787.	.6231	.4590	13.20	57.21	
#2	3.715	553.9	.7827	223.6	.1057	1796.	.6268	.4630	13.18	57.20	
#3	4.510	554.4	.7650	222.9	.1041	1800.	.6236	.4495	13.15	57.01	
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	
Avg	4.161	26.99	824.4	40.10	5.175	31.30	3.413	19.91	888.3	2.776	
Stddev	16.	40	5.6	.04	0.040	.84	.005	.04	0.552	1.536	
%RSD	.3800	1.500	.6774	.1028	.7812	2.697	1.499	.2002	6.209	55.33	
#1	4.143.	27.39	818.1	40.14	5.140	31.20	3.415	19.96	9427	1.419	
#2	4.174.	26.58	828.8	40.06	5.164	30.51	3.407	19.88	8898	2.465	
#3	4.166.	27.01	826.2	40.09	5.219	32.19	3.416	19.90	8324	4.443	
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062				
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)				
Avg	4.586	1.895	17.71	7.193	3.214	4.857	35.54				
Stddev	1.066	.023	.04	.017	0.0150	0.0120	.04				
%RSD	1.436	1.195	2.154	2.288	4.681	2.464	1.190				
#1	4.513	1.889	17.69	7.191	3.246	4.954	35.57				
#2	4.606	1.875	17.76	7.211	3.346	4.893	35.49				
#3	4.640	1.920	17.69	7.178	3.050	4.723	35.56				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710							
Avg	2509.3	7041.6	53842.	6692.9							
Stddev	5.0	6.9	104.	66.8							
%RSD	.20101	.09854	.19366	.99740							
#1	2503.5	7045.9	53783.	6761.2							
#2	2512.4	7045.3	53962.	6689.5							
#3	2512.0	7033.6	53781.	6627.8							

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Sample Name: MP30212-SD1 Acquired: 4/7/2016 10:22:25 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 500.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	
Avg	.3632	554.1	.4904	226.8	-.0289	1820.	5.209	3.669	13.47	58.64	
Stddev	.0500	2.9	.1285	.5	.0152	2.	.0108	.0400	.07	.15	
%RSD	13.78	.5259	26.21	.2196	52.45	.0888	2.070	10.90	.5549	.2525	
#1	.3168	551.1	.5903	226.3	-.0446	1818.	5.333	3.624	13.50	58.70	
#2	.4163	554.4	.5356	226.7	-.0143	1821.	5.162	4.090	13.39	58.47	
#3	.3565	556.9	.3454	227.3	-.0278	1821.	5.133	3.294	13.53	58.74	
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	
Avg	4.293.	-2.262	829.8	41.63	-1.150	7.201	3.586	20.20	3.564	-0.955	
Stddev	4.	4.540	7.1	.02	0.0195	.762	.052	.38	.2675	3.488	
%RSD	.0863	200.7	.8538	.0407	16.98	10.58	1.454	1.895	75.05	365.2	
#1	4.289.	-2.779	831.8	41.62	-1.236	6.472	3.643	19.76	.5486	-0.095	
#2	4.296.	-6.521	821.9	41.65	-1.287	7.137	3.541	20.48	.4697	-4.793	
#3	4.295.	2.515	835.7	41.61	-.0926	7.992	3.574	20.35	.0509	.2023	
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062				
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)				
Avg	5.723	1.731	17.87	6.984	-0.436	4.262	45.22				
Stddev	.160	.103	.03	.032	0.0756	0.0522	.08				
%RSD	2.799	5.981	.1620	.4521	173.5	12.26	1.689				
#1	5.639	1.620	17.84	6.981	-.0434	3.886	45.26				
#2	5.623	1.749	17.89	6.954	-.0801	4.040	45.26				
#3	5.908	1.825	17.89	7.017	-.0940	4.858	45.13				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710							
Avg	2550.4	7031.3	54117.	6704.4							
Stddev	3.5	3.8	44.	16.5							
%RSD	.13895	.05357	.08072	.24627							
#1	2549.1	7027.1	54066.	6715.5							
#2	2547.7	7032.7	54141.	6712.2							
#3	2554.4	7034.2	54143.	6685.4							

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7.3
7

Sample Name: MP30212-D2 Acquired: 4/7/2016 10:26:31 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 100.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	
Avg	.2897	633.1	.6370	223.0	-.0040	1662.	.3953	.4091	11.83	79.77	
Stddev	.0113	4.9	.0437	.6	.0081	9.	.0039	.0058	.03	.13	
%RSD	3.885	.7811	6.866	.2631	205.4	.5566	.9928	1.429	2.442	1.687	
#1	.3013	636.1	.6133	223.7	-.0069	1668.	.3919	.4028	11.82	79.66	
#2	.2788	627.4	.6103	222.6	-.0102	1652.	.3996	.4142	11.80	79.92	
#3	.2888	635.8	.6875	222.7	.0052	1667.	.3944	.4104	11.86	79.72	
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	
Avg	4.541.	6.969	827.5	44.42	.3777	10.44	4.532	15.50	.7146	.0834	
Stddev	19.	2.868	6.4	.04	0.070	.24	.007	.06	0.0347	2.242	
%RSD	.4113	41.15	.7696	.0806	1.844	2.329	1.557	3.696	4.857	268.8	
#1	4.555.	10.27	832.3	44.42	.3841	10.58	4.524	15.44	.6991	-.0531	
#2	4.520.	5.045	820.3	44.39	.3788	10.16	4.536	15.50	.7544	-.0388	
#3	4.548.	5.598	830.0	44.46	.3703	10.57	4.535	15.56	.6904	.3422	
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062				
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)				
Avg	4.784	1.614	16.47	8.021	1.181	6.041	47.26				
Stddev	.042	.026	.10	.004	0.0612	0.0190	.01				
%RSD	.8828	1.607	.6107	.0543	51.86	3.138	0.144				
#1	4.801	1.619	16.56	8.018	1.1778	6.047	47.25				
#2	4.736	1.586	16.36	8.026	1.2111	5.848	47.25				
#3	4.816	1.637	16.47	8.019	.0554	6.227	47.26				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710							
Avg	2510.0	7033.0	53821.	6703.0							
Stddev	2.3	4.7	230.	49.5							
%RSD	.09192	.06675	.42817	.73821							
#1	2510.8	7036.0	53685.	6663.8							
#2	2507.4	7027.6	54087.	6758.6							
#3	2511.8	7035.4	53690.	6686.7							

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Sample Name: FA32465-2 Acquired: 4/7/2016 10:30:34 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 20.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0123	160.1	.0192	.4334	.0015	5409.	.0177	.0387	3.192	.4927
Stddev	.0101	1.1	.0081	.0022	.0010	7.7	.0005	.0008	.0021	.0021
%RSD	82.48	.6805	42.29	5.122	65.08	1.415	2.873	2.043	.6446	.4332
#1	.0108	159.3	.0196	.4311	.0004	5390.	.0182	.0381	.3175	.4923
#2	.0029	159.7	.0270	.4335	.0022	5345.	.0177	.0396	.3186	.4951
#3	.0230	161.4	.0108	.4356	.0020	5494.	.0172	.0383	.3215	.4908
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	152.2	7.911	61.94	6.230	-.0245	13.34	10.29	4.293	.0229	.0060
Stddev	.7	.267	.11	.009	.0014	.05	.0036	.0067	.0094	0

Sample Name: FA32465-3 Acquired: 4/7/2016 10:34:46 Type: Unk
Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 20.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0133	80.90	.0107	.3013	.0003	6678.	.0164	.0263	.2660	.3762
Stddev	.0018	.66	.0061	.0064	.0006	129.	.0006	.0017	.0056	.0041
%RSD	13.71	.8173	57.45	2.124	205.9	1.928	3.793	6.456	2.106	1.086
#1	.0120	81.41	.0086	.3081	.0009	6791.	.0171	.0267	.2640	.3721
#2	.0126	81.14	.0176	.3003	.0002	6538.	.0159	.0245	.2724	.3763
#3	.0154	80.15	.0059	.2954	-.0002	6705.	.0163	.0278	.2618	.3802
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	96.37	5.256	46.91	3.946	-.0287	7.412	.1149	.4628	.0290	-.0014
Stddev	.20	.094	.23	.004	.0019	.128	.0017	.0076	.0248	.0547
%RSD	.2045	1.788	.4938	.0948	6.717	1.723	1.438	1.636	85.74	3835.
#1	96.52	5.149	47.17	3.943	-.0303	7.476	.1131	.4675	.0088	.0561
#2	96.44	5.327	46.80	3.950	-.0292	7.495	.1151	.4540	.0213	-.0078
#3	96.15	5.291	46.75	3.944	-.0266	7.265	.1164	.4667	.0567	-.0526
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	4.317	.0467	5.803	3.159	-.0091	.3417	.8935			
Stddev	.011	.0047	.031	.007	.0169	.0072	.0030			
%RSD	.2606	9.982	.5403	.2385	186.5	2.104	.3401			
#1	4.314	.0451	5.837	3.168	-.0266	.3401	.8907			
#2	4.329	.0520	5.800	3.154	-.0071	.3354	.8967			
#3	4.307	.0431	5.774	3.156	-.0077	.3495	.8931			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2219.9	6604.3	50790.	6591.8						
Stddev	4.7	2.9	153.	26.4						
%RSD	.21231	.04354	.30104	.40062						
#1	2222.9	6607.5	50767.	6588.3						
#2	2222.4	6603.8	50650.	6619.8						
#3	2214.5	6601.8	50953.	6567.3						

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Sample Name: FA32465-4 Acquired: 4/7/2016 10:39:00 Type: Unk
Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 20.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0086	151.5	.0203	.7373	.0014	5907.	.0157	.0469	.3826	.4183
Stddev	.0076	.5	.0075	.0043	.0009	43.	.0003	.0017	.0020	.0011
%RSD	88.98	.3601	37.18	.5806	63.28	.7344	1.800	3.657	.5252	.2562
#1	.0061	151.2	.0116	.7340	.0019	5956.	.0156	.0450	.3850	.4191
#2	.0171	151.3	.0244	.7358	.0004	5890.	.0155	.0471	.3814	.4188
#3	.0025	152.2	.0248	.7421	.0020	5874.	.0160	.0484	.3815	.4171
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	156.3	8.696	50.65	6.878	-.0275	8.606	.1223	.3949	-.0002	.0045
Stddev	.5	.208	.15	.009	.0023	.137	.0012	.0126	.0083	.0112
%RSD	.3094	2.392	.2922	.1385	8.254	1.594	.9574	3.193	3438.	246.7
#1	155.8	8.921	50.75	6.880	-.0299	8.630	.1236	.4086	.0078	.0073
#2	156.7	8.655	50.48	6.887	-.0254	8.459	.1217	.3925	-.0087	.0141
#3	156.3	8.511	50.73	6.868	-.0273	8.730	.1215	.3837	.0001	-.0078
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	4.442	.0188	4.683	5.945	-.0161	.3786	1.165			
Stddev	.017	.0010	.007	.018	.0115	.0086	.002			
%RSD	.3837	5.108	.1496	.3039	71.23	2.271	.1566			
#1	4.425	.0182	4.682	5.933	-.0051	.3883	1.165			
#2	4.442	.0183	4.676	5.966	-.0152	.3720	1.163			
#3	4.459	.0199	4.690	5.938	-.0280	.3756	1.166			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2239.9	6711.6	51411.	6729.3						
Stddev	4.3	10.0	75.	28.6						
%RSD	.19091	.14897	.14646	.42476						
#1	2239.2	6721.6	51326.	6762.1						
#2	2244.5	6711.6	51439.	6709.8						
#3	2236.1	6701.6	51469.	6715.9						

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7.3
7

Sample Name: CCV Acquired: 4/7/2016 10:43:14 Type: QC
Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2492	39.14	2.012	2.016	1.981	39.26	2.024	2.023	1.983	1.993
Stddev	.0010	.05	.005	.003	.002	.07	.001	.001	.003	.001
%RSD	.4180	.1349	.2268	.1545	.0796	.1825	.0334	.0473	.1672	.0405
#1	2487	39.15	2.008	2.018	1.983	39.29	2.023	2.022	1.982	1.994
#2	2504	39.19	2.011	2.017	1.981	39.31	2.025	2.024	1.987	1.994
#3	2486	39.08	2.017	2.012	1.979	39.18	2.024	2.023	1.980	1.993
Check ?	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass
Value										
Range										
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	38.83	39.72	39.33	2.037	2.016	39.48	2.034	1.981	2.012	2.015
Stddev	.03	.03	.05	.003	.004	.09	.003	.006	.007	.006
%RSD	.0679	.0694	.1378	.1453	.2235	.2312	.1557	.3141	.3368	.2955
#1	38.79	39.71	39.31	2.034	2.011	39.57	2.030	1.976	2.005	2.009
#2	38.84	39.75	39.39	2.040	2.017	39.49	2.036	1.988	2.013	2.015
#3	38.84	39.70	39.29	2.037	2.020	39.39	2.036	1.978	2.019	2.021
Check ?	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass
Value										
Range										
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm			
Avg	2.086	2.039	2.001	2.028	2.011	1.998	2.018			
Stddev	.005	.004	.003	.003	.007	.003	.002			
%RSD	.2221	.2129	.1346	.1220	.3643	.1523	.1145			
#1	2.081	2.034	2.004	2.026	2.008	1.996	2.016			
#2	2.090	2.042	1.999	2.031	2.020	2.002	2.021			
#3	2.088	2.041	2.000	2.027	2.006	1.997	2.017			
Check ?	None	Chk	Pass	Chk	Pass	Chk	Pass			
Value										
Range										

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Sample Name: CCV Acquired: 4/7/2016 10:43:14 Type: QC
Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2221.9	6788.1	52276.	6575.0
Stddev	7.9	10.8	71.	44.5
%RSD	.35753	.15900	.13516	.67700
#1	2229.8	6800.5	52319.	6624.4
#2	2213.9	6782.5	52314.	6538.1
#3	2222.1	6781.2	52194.	6562.4

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Sample Name: CCB Acquired: 4/7/2016 10:47:09 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-0.0069	.0006	-0.001	.0001	.0044	.0000	.0000	.0002
Stddev	.0001	.0041	.0004	.0001	.0001	.0015	.0001	.0000	.0003
%RSD	95.28	58.40	61.45	102.8	155.9	34.66	192.0	31.05	220.6
#1	.0003	-.0078	.0008	.0000	.0001	.0043	.0000	.0001	-.0002
#2	.0001	-.0025	.0002	-.0002	.0002	.0060	.0000	.0000	.0005
#3	.0001	-.0105	.0008	-.0001	.0000	.0029	.0001	.0000	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.0158	.0226	-.0032	.0001	F .0012	.0026	.0001	-.0005
Stddev	.0003	.0089	.0046	.0144	.0000	.0005	.0078	.0001	.0005
%RSD	45.98	56.39	20.27	444.0	42.84	39.13	298.9	52.90	92.92
#1	.0005	.0240	.0254	-.0184	.0001	.0018	-.0059	.0000	.0000
#2	.0010	.0168	.0250	.0103	.0000	.0012	.0094	.0001	-.0010
#3	.0005	.0064	.0173	-.0016	.0001	.0008	.0043	.0002	-.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0007	.0004	.0030	.0001	.0000	.0007	-.0007	.0002	-.0001
Stddev	.0006	.0014	.0003	.0002	.0000	.0001	.0004	.0001	.0000
%RSD	92.33	359.1	11.45	358.3	516.6	15.39	60.19	53.08	26.25
#1	-.0008	.0003	.0026	.0002	.0000	.0008	-.0002	.0003	-.0001
#2	.0000	-.0010	.0031	-.0002	.0001	.0007	-.0008	.0001	-.0001
#3	-.0013	.0019	.0033	.0001	-.0001	.0006	-.0009	.0002	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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7.3
7

Sample Name: CCB Acquired: 4/7/2016 10:47:09 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2580.3	6997.6	53408.	6576.9
Stddev	7.7	18.5	275.	52.8
%RSD	.29985	.26372	.51455	.80302
#1	2576.3	6976.4	53588.	6601.3
#2	2575.3	7006.8	53092.	6613.1
#3	2589.2	7009.7	53546.	6516.3

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Sample Name: FA32465-6 Acquired: 4/7/2016 10:51:21 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 20.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0006	102.0	.0189	.2350	.0004	6174.	.0140	.0341	.2901	.3498
Stddev	.0037	.2	.0125	.0015	.0016	47.	.0011	.0027	.0054	.0079
%RSD	627.6	.1950	66.34	.6597	401.7	.7567	7.605	8.005	1.873	2.248
#1	.0023	101.9	.0331	.2337	.0021	6228.	.0127	.0310	.2962	.3495
#2	-.0047	102.2	.0141	.2367	-.0001	6148.	.0145	.0352	.2880	.3579
#3	.0007	101.9	.0094	.2345	-.0009	6145.	.0147	.0362	.2860	.3422

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	107.3	6.541	45.52	4.799	-.0207	6.972	.1127	.2609	.0205	-.0174
Stddev	.3	.161	.21	.146	.0013	.133	.0014	.0160	.0130	.0201
%RSD	.2858	2.461	.4711	3.044	6.220	1.905	1.218	6.126	63.46	115.5
#1	107.0	6.459	45.77	4.891	-.0222	6.888	.1141	.2719	.0056	-.0406
#2	107.5	6.726	45.39	4.876	-.0198	7.125	.1128	.2682	.0266	-.0037
#3	107.5	6.437	45.41	4.631	-.0201	6.902	.1113	.2426	.0294	-.0081

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	3.028	.0150	4.744	3.497	-.0114	.3303	8192
Stddev	.031	.0031	.021	.115	.0048	.0083	.0011
%RSD	1.028	20.51	.4331	3.300	42.25	2.504	.1344
#1	2.994	.0180	4.720	3.567	-.0062	.3315	.8181
#2	3.036	.0151	4.756	3.559	-.0157	.3379	.8193
#3	3.055	.0118	4.755	3.364	-.0122	.3215	.8203

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2232.0	6643.9	51453.	6585.7
Stddev	2.8	4.1	1126.	58.6
%RSD	.12514	.06122	2.1879	.88945
#1	2230.7	6641.8	50649.	6539.9
#2	2230.2	6648.6	50971.	6565.5
#3	2235.2	6641.3	52740.	6651.7

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Sample Name: FA32465-8 Acquired: 4/7/2016 10:55:35 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.5758	328.9	.5548	58.47	.0021	2584.	.4815	.2876	3.338	41.20
Stddev	.0018	.7	.0090	.05	.0011	5.	.0058	.0011	.007	.09
%RSD	.3160	.2137	1.614	.0814	52.18	.1838	1.209	.3888	.2213	.2270
#1	.5763	328.1	.5494	58.42	.0014	2579.	.4795	.2867	3.347	41.17
#2	.5774	329.1	.5500	58.52	.0015	2587.	.4770	.2873	3.334	41.30
#3	.5738	329.5	.5652	58.48	.0034	2586.	.4881	.2889	3.334	41.12

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	2303.	18.65	192.8	63.10	.1830	16.49	1.697	29.24	4.885	.0572
Stddev	8.	.21	1.2	.12	.0053	.10	.013	.30	.043	.0175
%RSD	.3353	1.108	.6116	.1916	2.888	.6102	.7617	1.018	.8692	30.57
#1	2294.	18.50	191.4	63.09	.1778	16.47	1.690	29.06	4.844	.0733
#2	2308.	18.88	193.2	62.99	.1828	16.41	1.690	29.06	4.882	.0386
#3	2306.	18.55	193.7	63.23	.1884	16.60	1.712	29.58	4.929	.0596

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.403	5.099	14.40	9.055	.0665	.3690	59.39
Stddev	.036	.042	.02	.017	.0293	.0077	.56
%RSD	.6666	.8308	.1141	.1818	44.10	2.085	.9473
#1	5.392	5.068	14.38	9.062	.0883	.3716	58.95
#2	5.374	5.082	14.41	9.036	.0331	.3603	59.18
#3	5.444	5.148	14.40	9.066	.0780	.3750	60.02

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2399.2	6972.5	53284.	6852.2
Stddev	22.4	48.0	122.	37.0
%RSD	.93302	.68879	.22937	.54057
#1	2410.9	7009.8	53157.	6894.6
#2	2413.3	6989.3	53401.	6835.6
#3	2373.4	6918.3	53294.	6826.3

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Sample Name: FA32465-9 Acquired: 4/7/2016 10:59:44 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 100.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.1674	497.3	.5170	177.3	.0052	2135.	1.975	.3075	11.51	39.67
Stddev	.0042	1.0	.0385	.4	.0067	4.	.009	.0093	.05	.11
%RSD	2.480	.1962	7.449	.2167	130.0	.1780	4.689	3.040	4.179	2.799

#1	.1715	498.0	.5561	177.8	.0061	2139.	1.966	.3181	11.48	39.79
#2	.1632	497.7	.4791	177.0	.0114	2133.	1.975	.3037	11.57	39.58
#3	.1676	496.2	.5157	177.2	-.0020	2132.	1.984	.3006	11.49	39.63

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	4461.	9.514	659.3	53.09	3383	13.54	3.142	10.09	.1064	1379
Stddev	9.	1.287	3.7	.13	.0128	.78	.018	.04	.0598	.0931
%RSD	.2073	13.52	.5618	.2475	3.783	5.789	.5677	.4181	56.18	67.51

#1	4471.	8.315	659.5	53.19	.3262	14.31	3.121	10.12	.1002	.0460
#2	4454.	10.87	655.4	53.15	.3371	12.74	3.149	10.05	.0500	.1356
#3	4458.	9.353	662.8	52.94	.3517	13.56	3.154	10.11	.1691	.2321

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.403	1.174	17.62	6.170	.0572	.4050	48.11
Stddev	.067	.023	.03	.026	.0739	.0092	.05
%RSD	1.245	1.937	.1558	.4190	129.2	2.266	.1124

#1	5.480	1.159	17.65	6.190	-.0199	.4084	48.12
#2	5.372	1.164	17.59	6.180	.1273	.3946	48.05
#3	5.357	1.201	17.62	6.141	.0642	.4120	48.16

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2497.2	6983.1	53453.	6617.8
Stddev	4.6	6.9	88.	15.0
%RSD	.18383	.09911	.16424	.22720

#1	2501.6	6977.4	53380.	6613.3
#2	2497.4	6990.8	53428.	6634.6
#3	2492.5	6981.2	53550.	6605.5

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Sample Name: FA32465-11 Acquired: 4/7/2016 11:03:49 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 20.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0179	545.1	.1261	.5992	.0077	4205.	.0209	2486	1.116	.8864
Stddev	.0055	2.2	.0128	.0064	.0007	39.	.0002	.0003	.001	.0072
%RSD	30.78	.3996	10.12	1.067	9.136	.9370	1.156	.1284	.1210	.8172

#1	.0173	547.6	.1305	.6065	.0070	4166.	.0211	.2483	1.118	.8948
#2	.0236	543.9	.1117	.5958	.0084	4204.	.0207	.2489	1.116	.8822
#3	.0127	543.8	.1360	.5952	.0076	4245.	.0209	.2486	1.115	.8822

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	685.9	25.42	54.31	31.62	.0067	6.746	.2672	.3132	-.0197	.0020
Stddev	2.3	.60	.73	.05	.0011	.094	.0046	.0110	.0113	.0193
%RSD	.3304	2.347	1.335	.1533	15.77	1.391	1.739	3.508	57.19	948.1

#1	688.5	25.70	54.96	31.67	.0056	6.669	.2708	.3163	-.0287	-.0201
#2	684.9	25.83	54.44	31.62	.0068	6.851	.2620	.3224	-.0071	.0109
#3	684.3	24.73	53.53	31.57	.0078	6.719	.2688	.3010	-.0234	.0153

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	6.975	.0141	5.375	21.95	.0126	.9048	.7705
Stddev	.022	.0066	.031	.04	.0190	.0027	.0021
%RSD	.3147	47.25	.5760	.1675	150.8	2.972	.2715

#1	6.989	.0172	5.408	21.99	.0285	.9075	.7683
#2	6.986	.0064	5.373	21.92	-.0085	.9046	.7707
#3	6.950	.0185	5.346	21.93	.0178	.9021	.7725

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2278.6	7215.7	54540.	6882.6
Stddev	3.3	3.6	107.	40.4
%RSD	.14542	.05020	.19560	.58646

#1	2282.1	7219.9	54495.	6873.4
#2	2275.4	7213.9	54463.	6926.8
#3	2278.4	7213.4	54662.	6847.6

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7.3
7

Sample Name: FA32465-12 Acquired: 4/7/2016 11:08:01 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 20.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0521	1127.	.2020	2.010	.0169	295.1	.0341	6100	2.211	1.445
Stddev	.0085	4.	.0044	.006	.0009	1.0	.0004	.0027	.013	.003
%RSD	16.40	.3943	2.160	.3142	5.177	.3430	1.218	.4503	.5985	.1954

#1	.0615	1131.	.1970	2.014	.0171	296.1	.0346	.6132	2.226	1.442
#2	.0499	1128.	.2049	2.013	.0176	295.2	.0339	.6082	2.207	1.447
#3	.0448	1122.	.2042	2.003	.0159	294.1	.0338	.6086	2.200	1.445

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	1447.	48.21	55.28	72.27	.0077	7.984	.5821	.6517	-.0071	.0342
Stddev	3.	.34	.16	.58	.0012	.059	.0035	.0125	.0036	.0233
%RSD	.2390	.7003	.2932	.8047	15.22	.7362	.6061	1.920	49.87	68.05

#1	1451.	48.55	55.25	72.94	.0089	7.924	.5860	.6595	-.0095	.0212
#2	1448.	47.87	55.13	71.86	.0076	7.985	.5810	.6373	-.0030	.0611
#3	1444.	48.20	55.45	72.02	.0066	8.041	.5792	.6584	-.0089	.0203

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	4.494	.0204	1.280	49.58	.0286	2.072	95.48
Stddev	.027	.0039	.004	.05	.0066	.005	.0035
%RSD	.6046	19.16	.2732	.0918	23.26	2.444	.3642

#1	4.517	.0226	1.283	49.55	.0360	2.069	.9584
#2	4.500	.0226	1.280	49.63	.0232	2.069	.9515
#3	4.464	.0159	1.276	49.55	.0264	2.078	.9545

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2429.6	7905.6	59384.	7418.3
Stddev	7.3	18.4	108.	42.2
%RSD	.29858	.23243	.18225	.56909

#1	2421.2	7884.9	59277.	7371.1
#2	2434.0	7912.1	59494.	7452.5
#3	2433.5	7919.8	59382.	7431.3

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Sample Name: FA32465-14 Acquired: 4/7/2016 11:12:14 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 20.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0399	1299.	.3272	1.294	.0140	471.0	.0192	4695	1.795	.8294
Stddev	.0058	1.	.0042	.004	.0006	.5	.0005	.0020	.010	.0022
%RSD	14.50	.1025	1.293	.3165	4.206	.1131	2.695	.4242	.5460	.2685

#1	.0336	1298.	.3307	1.299	.0143	470.4	.0188	.4674	1.805	.8272
#2	.0450	1301.	.3285	1.290	.0133	471.3	.0			

Sample Name: FA32465-15 Acquired: 4/7/2016 11:16:26 Type: Unk
Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 20.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 4 rows (IS Ref, Avg, Stddev, %RSD).

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 3 rows (#1, #2, #3).

Table with 11 columns (Elem, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960) and 4 rows (IS Ref, Avg, Stddev, %RSD).

Table with 11 columns (Elem, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960) and 3 rows (#1, #2, #3).

Table with 11 columns (Elem, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062) and 4 rows (IS Ref, Avg, Stddev, %RSD).

Table with 11 columns (Elem, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062) and 3 rows (#1, #2, #3).

Table with 4 columns (Int. Std., In2306, Y_2243, Y_3600, Y_3710) and 4 rows (Avg, Stddev, %RSD).

Table with 4 columns (Int. Std., In2306, Y_2243, Y_3600, Y_3710) and 3 rows (#1, #2, #3).

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Sample Name: FA32465-16 Acquired: 4/7/2016 11:20:46 Type: Unk
Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 20.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 4 rows (IS Ref, Avg, Stddev, %RSD).

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 3 rows (#1, #2, #3).

Table with 11 columns (Elem, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960) and 4 rows (IS Ref, Avg, Stddev, %RSD).

Table with 11 columns (Elem, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960) and 3 rows (#1, #2, #3).

Table with 11 columns (Elem, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062) and 4 rows (IS Ref, Avg, Stddev, %RSD).

Table with 11 columns (Elem, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062) and 3 rows (#1, #2, #3).

Table with 4 columns (Int. Std., In2306, Y_2243, Y_3600, Y_3710) and 4 rows (Avg, Stddev, %RSD).

Table with 4 columns (Int. Std., In2306, Y_2243, Y_3600, Y_3710) and 3 rows (#1, #2, #3).

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Sample Name: FA32465-20 Acquired: 4/7/2016 11:25:29 Type: Unk
Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 100.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 4 rows (IS Ref, Avg, Stddev, %RSD).

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 3 rows (#1, #2, #3).

Table with 11 columns (Elem, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960) and 4 rows (IS Ref, Avg, Stddev, %RSD).

Table with 11 columns (Elem, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960) and 3 rows (#1, #2, #3).

Table with 11 columns (Elem, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062) and 4 rows (IS Ref, Avg, Stddev, %RSD).

Table with 11 columns (Elem, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062) and 3 rows (#1, #2, #3).

Table with 4 columns (Int. Std., In2306, Y_2243, Y_3600, Y_3710) and 4 rows (Avg, Stddev, %RSD).

Table with 4 columns (Int. Std., In2306, Y_2243, Y_3600, Y_3710) and 3 rows (#1, #2, #3).

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Sample Name: MP30216-MB1 Acquired: 4/7/2016 11:29:43 Type: QC
Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 4 rows (Units, Avg, Stddev, %RSD).

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 3 rows (#1, #2, #3).

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 11 columns (Elem, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960) and 4 rows (Units, Avg, Stddev, %RSD).

Table with 11 columns (Elem, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960) and 3 rows (#1, #2, #3).

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 8 columns (Elem, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062) and 4 rows (Units, Avg, Stddev, %RSD).

Table with 8 columns (Elem, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062) and 3 rows (#1, #2, #3).

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

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Sample Name: MP30216-MB1 Acquired: 4/7/2016 11:29:43 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2637.3	7157.3	54935.	6677.4
Stddev	5.8	14.0	257.	17.7
%RSD	.22098	.19587	.46817	.26520
#1	2633.5	7141.4	54880.	6657.6
#2	2634.5	7162.7	54710.	6682.9
#3	2644.0	7167.8	55216.	6691.7

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Sample Name: CCV Acquired: 4/7/2016 11:33:57 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2515	40.17	2.009	2.048	2.018	40.19	2.043	2.041	2.040	2.025
Stddev	.0002	.09	.004	.005	.002	.08	.005	.003	.001	.003
%RSD	.0788	.2286	.2085	.2484	.0907	.1906	.2623	.1552	.0441	.1298
#1	.2514	40.26	2.011	2.049	2.019	40.28	2.049	2.045	2.039	2.022
#2	.2513	40.16	2.005	2.053	2.019	40.15	2.042	2.040	2.041	2.027
#3	.2517	40.08	2.012	2.043	2.016	40.15	2.038	2.039	2.041	2.026

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.40	40.56	39.84	2.068	2.026	40.68	2.038	1.994	2.018	2.013
Stddev	.06	.10	.09	.003	.001	.09	.003	.007	.002	.002
%RSD	.1537	.2558	.2337	.1406	.0657	.2203	.1602	.3353	.0989	.0999
#1	39.43	40.67	39.93	2.067	2.025	40.78	2.042	1.999	2.017	2.014
#2	39.33	40.57	39.74	2.065	2.026	40.67	2.037	1.998	2.017	2.011
#3	39.44	40.46	39.86	2.071	2.028	40.60	2.036	1.987	2.021	2.015

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.092	2.032	2.045	2.064	2.020	2.028	2.034
Stddev	.001	.004	.005	.002	.009	.001	.007
%RSD	.0562	.1728	.2535	.0983	.4560	.0287	.3667
#1	2.092	2.035	2.049	2.062	2.024	2.027	2.043
#2	2.090	2.028	2.046	2.065	2.027	2.027	2.031
#3	2.093	2.031	2.039	2.066	2.010	2.028	2.029

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

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7.3
7

Sample Name: CCV Acquired: 4/7/2016 11:33:57 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2223.0	6790.5	51524.	6480.4
Stddev	8.3	18.9	203.	47.3
%RSD	.37202	.27855	.39338	.72970
#1	2214.6	6768.7	51599.	6468.2
#2	2223.3	6801.3	51679.	6532.6
#3	2231.1	6801.5	51295.	6440.4

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Sample Name: CCB Acquired: 4/7/2016 11:37:53 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0032	.0003	.0000	.0001	.0032	.0000	-.0001	.0001
Stddev	.0002	.0085	.0006	.0000	.0000	.0011	.000	.0001	.0001
%RSD	670.1	263.5	190.0	164.5	21.21	35.09	71.26	160.5	57.64
#1	.0000	.0011	.0010	.0001	.0001	.0030	.0000	-.0001	.0001
#2	-.0002	.0127	.0004	.0000	.0001	.0021	.0000	-.0001	.0002
#3	.0002	-.0040	-.0003	.0000	.0001	.0043	.0000	.0000	.0001

check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0150	-.0058	.0025	.0000	F .0014	-.0110	.0001	-.0010
Stddev	.0002	.0083	.0193	.0041	.0000	.0007	.0054	.0001	.0002
%RSD	78.76	55.17	332.4	166.2	72.79	52.16	48.76	84.63	25.60
#1	.0003	.0238	-.0278	.0013	.0000	.0021	-.0088	.0000	-.0010
#2	.0006	.0138	.0086	.0070	.0001	.0013	-.0171	.0002	-.0007
#3	.0001	.0074	.0018	-.0009	.0000	.0007	-.0071	.0001	-.0012

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0003	.0032	.0001	.0000	.0009	-.0007	.0001	-.0001
Stddev	.0004	.0004	.0002	.0003	.0001	.0002	.0007	.0003	.0000
%RSD	49470.	130.6	5.547	252.1	175.8	24.69	90.39	612.6	11.99
#1	.0004	-.0001	.0034	.0004	.0001	.0010	-.0014	.0004	-.0002
#2	-.0004	.0003	.0031	-.0001	.0001	.0009	-.0001	.0001	-.0002
#3	.0000	.0008	.0032	.0000	.0000	.0006	-.0007	-.0003	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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Sample Name: CCB Acquired: 4/7/2016 11:37:53 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2600.6	7042.8	5323.3	6511.7
Stddev	3.7	6.1	72.	18.9
%RSD	.14169	.08650	.13549	.28984
#1	2604.5	7047.7	5322.1	6514.0
#2	2597.2	7036.0	5316.7	6491.8
#3	2600.0	7044.8	5331.0	6529.4

Sample Name: MP30216-B1 Acquired: 4/7/2016 11:42:06 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0500	28.63	2.032	2.121	.0520	26.72	.0523	.5194	.2063	.2632
Stddev	.0002	.07	.003	.007	.0000	.06	.0000	.0001	.0010	.0011
%RSD	.3701	.2486	.1322	.3249	.0840	.2084	.0951	.0248	.4650	.3993
#1	.0501	28.70	2.029	2.128	.0520	26.74	.0522	.5192	.2073	.2644
#2	.0498	28.55	2.034	2.114	.0520	26.65	.0523	.5194	.2061	.2628
#3	.0501	28.63	2.032	2.120	.0521	26.76	.0523	.5195	.2054	.2624

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	28.23	27.04	26.75	.5373	.5184	27.07	.5269	.4985	.5147	2.044
Stddev	.02	.08	.15	.0016	.0008	.10	.0005	.0017	.0014	.004
%RSD	.0588	.2859	.5442	.3002	.1492	.3587	.0996	.3352	.2712	.1919
#1	28.24	27.10	26.68	.5391	.5182	27.17	.5268	.4970	.5132	2.039
#2	28.21	26.95	26.65	.5363	.5177	26.98	.5275	.4982	.5160	2.045
#3	28.22	27.06	26.91	.5364	.5192	27.07	.5265	.5003	.5151	2.048

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0184	.5319	.5119	.5263	2.004	4.950	5.180
Stddev	.0005	.0005	.0018	.0009	.006	.0013	.0007
%RSD	2.831	.0897	.3585	.1740	.2809	.2540	.1375
#1	.0189	.5318	.5139	.5273	1.998	4.964	5.172
#2	.0179	.5314	.5102	.5262	2.004	4.944	5.183
#3	.0183	.5324	.5118	.5255	2.009	4.941	5.185

Check ? None Chk Pass None None Chk PassChk PassChk Pass Value Range

7.3
7

Sample Name: MP30216-B1 Acquired: 4/7/2016 11:42:06 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2350.6	6930.3	5294.9	6660.1
Stddev	5.3	1.9	360.	38.5
%RSD	.22634	.02717	.67965	.57735
#1	2353.7	6931.3	5259.9	6692.2
#2	2353.7	6931.5	5331.8	6670.5
#3	2344.5	6928.1	5293.1	6617.4

Sample Name: FA32756-14 Acquired: 4/7/2016 11:46:04 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0008	2.911	.0053	.1784	.0001	242.2	.0008	.0270	.0224
Stddev	.0003	.008	.0008	.0003	.0000	5.4	.0000	.0001	.0001
%RSD	34.66	.2693	14.32	.1625	6.109	2.240	2.803	.2892	.6395
#1	-0.0006	2.906	.0056	.1786	.0001	242.4	.0008	.0270	.0226
#2	-0.0011	2.920	.0044	.1781	.0001	236.6	.0008	.0270	.0224
#3	-0.0007	2.907	.0058	.1785	.0001	247.5	.0008	.0271	.0223

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2503	8.581	5.688	107.3	.6030	.0242	F106.6	1.959	.0099
Stddev	.0007	.043	.022	.4	.0020	.0001	2.1	.001	.0003
%RSD	.2874	.4966	.3929	.3884	.3280	.3012	1.949	.0286	3.468
#1	.2500	8.549	5.672	106.9	.6037	.0242	108.7	1.960	.0100
#2	.2511	8.564	5.678	107.2	.6008	.0242	104.5	1.960	.0102
#3	.2497	8.629	5.713	107.7	.6046	.0241	106.6	1.959	.0095

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0013	.0016	7.764	-.0003	.3983	.0929	.0006	.0091	.1184
Stddev	.0006	.0011	.003	.0001	.0015	.0003	.0006	.0002	.0002
%RSD	43.98	70.43	.0356	29.18	.3660	.3545	108.2	1.840	.1778
#1	.0016	.0020	7.761	-.0002	.3967	.0928	.0002	.0093	.1186
#2	.0015	.0003	7.765	-.0003	.3984	.0927	.0013	.0090	.1184
#3	.0006	.0026	7.766	-.0004	.3996	.0933	.0003	.0091	.1181

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2126.5	6521.0	5010.4	6505.2
Stddev	1.5	7.3	200.	45.0
%RSD	.07010	.11186	.39937	.69241
#1	2125.6	6512.6	5006.7	6533.5
#2	2128.3	6524.3	5032.0	6528.8
#3	2125.7	6526.0	4992.5	6453.3

Sample Name: MP30216-D1 Acquired: 4/7/2016 11:50:25 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	4.677	.0053	.1855	.0002	243.6	.0008	.0271	.0250
Stddev	.0003	.020	.0004	.0009	.0000	1.8	.0000	.0001	.0002
%RSD	52.19	.4366	6.643	4.862	6.265	.7566	6.137	.4748	.9604
#1	-.0002	4.665	.0050	.1852	.0002	244.2	.0007	.0270	.0248
#2	-.0008	4.666	.0057	.1848	.0002	241.5	.0008	.0270	.0250
#3	-.0005	4.701	.0054	.1865	.0002	245.1	.0008	.0272	.0252
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2509	8.936	6.500	107.3	6.060	.0238	F106.9	1.965	.0103
Stddev	.0004	.018	.011	.2	.0032	.0002	1.3	.006	.0008
%RSD	.1734	.1976	.1697	.1858	.5268	.7331	1.194	.3009	7.560
#1	.2514	8.933	6.506	107.5	.6096	.0239	108.1	1.961	.0110
#2	.2507	8.920	6.487	107.2	.6050	.0236	107.0	1.962	.0105
#3	.2507	8.955	6.507	107.2	.6034	.0239	105.6	1.972	.0095
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0009	.0000	11.80	-.0001	.3982	.2001	.0002	.0123	.1180
Stddev	.0008	.0006	.06	.0002	.0009	.0227	.0009	.0000	.0002
%RSD	85.19	10500.	.4724	328.0	.2160	11.34	524.2	.2047	.1606
#1	.0000	-.0002	11.81	-.0002	.3975	.2224	.0007	.0123	.1181
#2	.0013	.0007	11.85	.0002	.3978	.2008	.0006	.0123	.1178
#3	.0015	-.0005	11.74	-.0003	.3991	.1771	-.0008	.0123	.1181
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2113.7	6491.3	49919.	6478.0					
Stddev	5.0	14.2	302.	32.3					
%RSD	.23840	.21808	.60406	.49854					
#1	2117.4	6498.8	49589.	6440.8					
#2	2115.8	6500.1	49987.	6498.4					
#3	2108.0	6474.9	50180.	6494.8					

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Sample Name: MP30216-SD1 Acquired: 4/7/2016 11:54:46 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.005	3.032	.0049	.1844	.0000	258.7	.0005	.0287	.0248	.2586
Stddev	.0007	.049	.0031	.0013	.0002	.6	.0001	.0004	.0004	.0007
%RSD	134.8	1.613	62.31	.7205	1249.	.2387	22.93	1.456	1.789	.2744
#1	.0003	3.073	.0085	.1831	.0000	258.0	.0004	.0289	.0253	.2593
#2	-.0010	2.978	.0029	.1844	-.0002	259.2	.0004	.0282	.0245	.2579
#3	-.0009	3.045	.0034	.1857	.0002	258.8	.0006	.0290	.0247	.2587
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	9.007	5.806	112.7	.6455	.0195	112.0	2.128	.0113	.0016	-.0037
Stddev	.037	.010	.3	.0002	.0003	.2	.002	.0022	.0044	.0021
%RSD	.4118	.1718	.2937	.0349	1.715	.1588	.0886	19.04	275.5	56.20
#1	9.000	5.795	112.3	.6458	.0191	111.8	2.127	.0137	-.0034	-.0059
#2	9.047	5.810	112.9	.6454	.0197	112.1	2.126	.0108	.0033	-.0036
#3	8.973	5.814	112.8	.6454	.0195	112.0	2.130	.0095	.0048	-.0017
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	8.048	-.0022	.4106	.0988	.0052	.0094	.1644			
Stddev	.009	.0014	.0013	.0001	.0041	.0009	.0002			
%RSD	.1071	64.20	.3167	.1452	79.35	9.493	.1052			
#1	8.056	-.0033	.4099	.0988	.0009	.0094	.1645			
#2	8.049	-.0027	.4121	.0987	.0091	.0085	.1644			
#3	8.039	-.0006	.4099	.0990	.0055	.0103	.1642			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2366.8	6858.3	51923.	6570.2						
Stddev	3.3	6.7	65.	10.5						
%RSD	.13999	.09832	.12475	.15949						
#1	2363.2	6851.0	51921.	6580.9						
#2	2367.2	6859.8	51859.	6569.9						
#3	2369.8	6864.3	51989.	6559.9						

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7.3

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Sample Name: MP30216-PS1 Acquired: 4/7/2016 11:58:52 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0478	5.440	.1143	.4485	.0518	233.7	.0527	.0775	.0737
Stddev	.0004	.050	.0007	.0030	.0003	5.9	.0000	.0002	.0002
%RSD	.9181	.9174	.6548	.6738	.6084	2.519	.0676	.2014	.2165
#1	.0482	5.412	.1138	.4473	.0516	237.8	.0526	.0775	.0738
#2	.0480	5.497	.1139	.4519	.0521	227.0	.0527	.0773	.0736
#3	.0473	5.410	.1151	.4462	.0516	236.5	.0527	.0776	.0739
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3511	11.48	16.13	109.6	.6421	.1281	F113.5	2.007	.0604
Stddev	.0008	.08	.13	1.0	.0013	.0002	.8	.004	.0005
%RSD	.2361	.7259	.8001	.8882	.2045	.1758	.7277	.2016	.7620
#1	.3520	11.45	16.06	108.8	.6436	.1279	114.4	2.006	.0599
#2	.3504	11.57	16.28	110.7	.6415	.1281	112.7	2.004	.0604
#3	.3509	11.41	16.05	109.3	.6412	.1284	113.3	2.012	.0608
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1132	.1059	7.600	.0494	.4400	.1967	.0999	.0599	.3789
Stddev	.0006	.0015	.018	.0003	.0034	.0003	.0006	.0003	.0009
%RSD	.5165	1.406	.2393	.6005	.7839	.1538	.6386	.5742	.2505
#1	.1132	.1075	7.589	.0494	.4389	.1971	.1006	.0599	.3796
#2	.1126	.1046	7.591	.0492	.4439	.1965	.0993	.0596	.3778
#3	.1137	.1055	7.621	.0498	.4373	.1966	.0997	.0603	.3793
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2123.6	6554.2	50156.	6517.3					
Stddev	2.7	12.5	195.	58.5					
%RSD	.12927	.19094	.38871	.89829					
#1	2124.2	6547.5	50035.	6557.8					
#2	2120.6	6568.6	50381.	6450.1					
#3	2126.0	6546.4	50053.	6543.9					

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Sample Name: MP30216-S1 Acquired: 4/7/2016 12:03:11 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0506	32.00	2.081	2.302	.0520	265.1	.0511	.5214	.2243
Stddev	.0004	.13	.002	.005	.0001	1.9	.0001	.0011	.0009
%RSD	.7683	.3930	.0863	.2334	.2202	.7011	.2497	.2058	.3960
#1	.0508	32.09	2.083	2.307	.0522	267.1	.0510	.5205	.2251
#2	.0509	32.05	2.079	2.303	.0520	264.7	.0510	.5212	.2234
#3	.0502	31.86	2.081	2.296	.0520	263.5	.0512	.5226	.2245
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5140	36.29	33.49	133.1	1.126	.5311	F129.5	2.411	.5172
Stddev	.0010	.05	.12	.6	.001	.0010	.5	.004	.0012
%RSD	.1870	.1305	.3510	.4238	.1278	.1864	.3528	.1821	.2266
#1	.5142	36.34	33.61	133.6	1.127	.5301	130.0	2.407	.5158
#2	.5129	36.25	33.50	133.2	1.125	.5311	129.1	2.410	.5180
#3	.5148	36.27	33.37	132.5	1.125	.5321	129.4	2.415	.5177
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5104	2.068	7.849	.5048	.9160	.6132	1.977		

Sample Name: MP30216-S2 Acquired: 4/7/2016 12:07:25 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0506	31.74	2.056	2.291	.0521	262.4	.0507	.5173	.2233
Stddev	.0003	.14	.019	.004	.0003	2.9	.0005	.0049	.0006
%RSD	.5236	.4387	.9338	.1902	.6152	1.109	1.019	.9435	.2850
#1	.0504	31.88	2.075	2.295	.0525	259.4	.0511	.5209	.2238
#2	.0509	31.74	2.037	2.289	.0520	265.2	.0502	.5117	.2226
#3	.0504	31.60	2.055	2.287	.0519	262.5	.0509	.5192	.2236
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5123	35.80	33.31	133.1	1.118	.5284	F132.8	2.383	.5121
Stddev	.0019	.06	.18	1.0	.001	.0052	2.1	.020	.0045
%RSD	.3706	.1708	.5257	.7605	.1005	.9929	1.617	.8419	.8705
#1	.5137	35.86	33.49	133.9	1.119	.5329	135.2	2.398	.5144
#2	.5131	35.81	33.31	133.4	1.117	.5226	131.0	2.360	.5069
#3	.5102	35.74	33.14	132.0	1.119	.5297	132.4	2.390	.5149
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5071	2.050	7.471	.5025	.9137	.6064	1.963	.4995	.6057
Stddev	.0056	.022	.070	.0041	.0033	.0015	.016	.0005	.0049
%RSD	1.098	1.099	.9300	.8124	.3658	.2486	.7904	.0940	.8141
#1	.5129	2.070	7.529	.5063	.9175	.6080	1.976	.4996	.6093
#2	.5019	2.026	7.394	.4982	.9123	.6050	1.946	.4990	.6001
#3	.5065	2.053	7.490	.5030	.9113	.6063	1.968	.4999	.6078
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2078.9	6620.9	50185.	6528.9					
Stddev	12.9	46.4	106.	41.8					
%RSD	.61915	.70101	.21094	.63946					
#1	2067.9	6577.3	50200.	6519.3					
#2	2093.1	6669.7	50283.	6492.8					
#3	2075.6	6615.6	50073.	6574.6					

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Sample Name: FA32756-9 Acquired: 4/7/2016 12:11:39 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.0003	.0747	-0.0003	.1103	.0000	88.49	-0.0001	.0000	.0013	.0001
Stddev	.0003	.0035	.0004	.0005	.0000	.27	.0000	.0000	.0003	.0003
%RSD	103.8	4.638	129.2	.4263	369.4	3.072	35.89	433.7	19.63	224.3
#1	-0.0001	.0781	-0.0006	.1108	.0000	88.79	-0.0001	.0000	.0012	.0001
#2	-0.0001	.0712	-0.0003	.1101	.0000	88.42	-0.0001	.0000	.0016	.0004
#3	-0.0006	.0747	.0001	.1099	-0.0001	88.26	-0.0001	-0.0001	.0011	-0.0002
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	.1891	2.568	24.31	.0290	.0077	40.90	.0017	.0001	.0008	.0037
Stddev	.0059	.012	.05	.0001	.0001	.17	.0002	.0002	.0003	.0003
%RSD	3.124	.4515	.2144	.1893	.7668	.4268	13.64	170.4	35.99	7.108
#1	.1945	2.580	24.36	.0290	.0078	41.10	.0016	.0003	.0009	.0039
#2	.1901	2.567	24.26	.0291	.0076	40.81	.0015	-0.0001	.0011	.0034
#3	.1828	2.557	24.32	.0290	.0077	40.79	.0019	.0001	.0005	.0037
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	3.968	.0001	.2214	.0026	.0013	.0002	.0120			
Stddev	.007	.0001	.0006	.0003	.0003	.0001	.0001			
%RSD	.1715	104.5	.2829	11.72	21.51	60.47	.5600			
#1	3.960	.0001	.2221	.0025	.0010	.0003	.0121			
#2	3.971	.0000	.2214	.0029	.0013	.0001	.0119			
#3	3.972	.0000	.2208	.0024	.0015	.0003	.0120			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2326.5	6727.2	51128.	6486.7						
Stddev	2.1	9.7	172.	29.7						
%RSD	.09093	.14413	.33574	.45843						
#1	2324.2	6717.8	50994.	6457.1						
#2	2326.8	6726.6	51069.	6486.4						
#3	2328.4	6737.2	51322.	6516.6						

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Sample Name: FA32756-10 Acquired: 4/7/2016 12:15:45 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.0002	.0847	-0.0007	.0615	.0000	117.6	-0.0001	.0003	.0022	-0.0006
Stddev	.0003	.0027	.0004	.0003	.0000	1.8	.0000	.0001	.0004	.0002
%RSD	155.2	3.163	65.55	.5462	10190.	1.570	33.11	23.55	19.11	24.06
#1	-0.0004	.0819	-0.0002	.0619	.0001	116.1	-0.0001	.0003	.0017	-0.0008
#2	-0.0001	.0872	-0.0007	.0613	-0.0001	116.9	-0.0001	.0002	.0024	-0.0005
#3	.0001	.0849	-0.0011	.0614	.0000	119.6	-0.0002	.0003	.0024	-0.0006
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0673	2.863	36.89	.0016	.0027	32.45	.0965	-0.0001	.0004	.0028
Stddev	.0020	.017	.13	.0000	.0000	.12	.0002	.0007	.0008	.0003
%RSD	2.942	.6049	.3600	.9015	.7186	.3612	.2546	796.1	182.1	9.398
#1	.0694	2.844	36.98	.0016	.0027	32.57	.0963	.0007	-0.0005	.0027
#2	.0654	2.867	36.73	.0016	.0027	32.44	.0967	-0.0006	.0011	.0026
#3	.0673	2.878	36.95	.0016	.0027	32.34	.0966	-0.0004	.0008	.0031
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	3.799	-0.0005	.3307	.0025	-0.0004	.0003	.0079			
Stddev	.004	.0000	.0018	.0003	.0007	.0004	.0001			
%RSD	.1156	6.962	.5438	11.32	189.1	130.0	.6849			
#1	3.794	-0.0005	.3322	.0022	.0004	.0006	.0079			
#2	3.802	-0.0005	.3313	.0027	-0.0007	.0003	.0079			
#3	3.802	-0.0005	.3287	.0025	-0.0009	-0.0001	.0080			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2304.7	6654.3	51329.	6556.1						
Stddev	2.0	4.2	242.	61.4						
%RSD	.08698	.06312	.47091	.93711						
#1	2302.9	6649.5	51608.	6569.7						
#2	2306.8	6655.7	51192.	6609.6						
#3	2304.3	6657.6	51187.	6489.0						

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Sample Name: FA32756-11 Acquired: 4/7/2016 12:20:00 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.0002	.4321	-0.0002	.0361	.0000	116.4	.0000	.0018	.0051	.0001
Stddev	.0002	.0106	.0001	.0001	.0000	.5	.0000	.0000	.0002	.0002
%RSD	81.84	2.455	38.17	.4015	108.7	4.093	74.90	1.250	4.804	248.3
#1	-0.0004	.4378	-0.0003	.0362	-0.0001	116.8	.0000	.0018	.0051	.0001
#2	.0000	.4386	-0.0002	.0360	.0000	116.4	-0.0001	.0018	.0054	-0.0002
#3	-0.0002	.4198	-0.0002	.0362	.0000	115.9	.0000	.0018	.0049	.0003
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.4496	1.920	34.81	.3736	.0097	12.30	.0150	.0007	-0.0001	.0024
Stddev	.0033	.007	.06	.0009	.0001	.06	.0001	.0010	.0002	.0017
%RSD	.7258	.3669	.1666	.2404	1.338	4.610	.5693	134.4	165.1	71.24
#1	.4532	1.928	34.88	.3731	.0098	12.36	.0151	-0.0004	-0.0003	.0028
#2	.4486	1.918	34.79	.3730	.0097	12.31	.0150	.0012	.0001	.0005
#3	.4469	1.915	34.77							

Sample Name: CCV Acquired: 4/7/2016 12:24:05 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2507	40.06	2.015	2.043	2.006	40.00	2.041	2.039	2.026	2.020
Stddev	.0003	.19	.003	.007	.009	.24	.001	.002	.004	.005
%RSD	.1314	.4657	.1529	.3430	.4550	.5918	.0469	.1089	.2171	.2665
#1	.2509	40.05	2.016	2.045	2.005	39.94	2.041	2.039	2.026	2.016
#2	.2503	40.25	2.012	2.049	2.015	40.26	2.040	2.037	2.021	2.026
#3	.2508	39.88	2.018	2.035	1.997	39.80	2.042	2.041	2.030	2.018

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.01	40.53	39.68	2.050	2.025	40.50	2.037	1.994	2.019	2.018
Stddev	.07	.16	.30	.009	.005	.19	.001	.003	.007	.003
%RSD	.1897	.3927	.7666	.4368	.2385	.4735	.0247	.1512	.3312	.1655
#1	38.96	40.55	39.58	2.055	2.021	40.49	2.037	1.997	2.015	2.014
#2	39.10	40.68	40.02	2.039	2.023	40.69	2.036	1.991	2.015	2.020
#3	38.97	40.36	39.44	2.054	2.030	40.31	2.037	1.993	2.026	2.019

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.099	2.032	2.043	2.048	2.018	2.021	2.031
Stddev	.003	.002	.009	.006	.003	.000	.001
%RSD	.1640	.0923	.4162	.2957	.1466	.0158	.0658
#1	2.097	2.031	2.043	2.051	2.021	2.021	2.032
#2	2.098	2.031	2.051	2.042	2.015	2.021	2.031
#3	2.103	2.034	2.034	2.053	2.016	2.022	2.030

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/7/2016 12:24:05 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2228.7	6807.4	5202.2	6465.9
Stddev	1.4	7.8	294.	34.1
%RSD	.06313	.11398	.56476	.52673
#1	2227.2	6815.7	5181.0	6489.3
#2	2230.0	6806.0	5235.8	6426.8
#3	2228.7	6800.4	5189.9	6481.7

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 4/7/2016 12:28:02 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0037	.0004	-0.001	.0000	.0041	.0000	.0000	.0000
Stddev	.0000	.0065	.0004	.0002	.0001	.0015	.000	.000	.000
%RSD	73.70	177.1	93.94	137.7	114.7	36.69	63.11	370.5	572.8
#1	.0000	.0038	.0003	-0.003	.0000	.0051	.0000	-0.001	-0.003
#2	.0001	-0.0080	.0008	-0.001	.0001	.0024	.0000	.0001	-0.001
#3	.0001	-0.0068	.0001	.0000	.0000	.0048	.0000	.0000	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0167	.0027	.0155	.0000	F.0013	.0105	.0000	-0.0009
Stddev	.0002	.0054	.0301	.0135	.0000	.0005	.0006	.0001	.0004
%RSD	67.26	32.13	1120.	86.87	16.95	43.12	5.781	1242.	47.44
#1	.0002	.0226	.0278	.0020	.0000	.0018	.0104	-0.001	-0.007
#2	.0004	.0155	-.0306	.0156	.0000	.0012	.0111	.0001	-0.007
#3	.0001	.0121	.0108	.0289	.0000	.0008	.0099	.0001	-0.014

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	.0001	.0038	.0002	.0000	.0009	-0.0007	.0003	-0.001
Stddev	.0001	.0008	.0003	.0001	.000	.0001	.0003	.0001	.0000
%RSD	12.15	740.1	6.861	59.14	144.3	15.46	42.39	32.25	20.09
#1	.0009	.0000	.0039	.0004	-0.001	.0011	-0.0004	.0004	-0.001
#2	.0007	.0010	.0040	.0001	.0000	.0009	-0.0009	.0002	-0.001
#3	.0007	-0.0007	.0035	.0003	.0000	.0008	-0.0010	.0002	-0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit



Sample Name: FA32756-12 Acquired: 4/7/2016 12:32:13 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.006	.1716	-0.008	.0664	.0000	112.0	-0.001	.0013	.0016	-0.001
Stddev	.0002	.0071	.0002	.0003	.000	.5	.0000	.0001	.0001	.0002
%RSD	30.19	4.162	32.95	.4897	113.9	.4049	1.802	5.883	7.816	272.5
#1	-0.008	.1636	-0.005	.0668	.0000	112.5	-0.001	.0013	.0014	-0.002
#2	-0.005	.1774	-0.009	.0662	.0000	111.7	-0.001	.0014	.0017	.0001
#3	-0.004	.1738	-0.009	.0663	-0.001	111.9	-0.001	.0012	.0016	-0.001
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.1862	3.607	33.45	.0774	.0073	46.63	2.189	.0000	.0010	.0031
Stddev	.0018	.024	.14	.0000	.0002	.22	.0010	.000	.0004	.0008
%RSD	.9520	.6686	.4150	.0599	2.084	.4809	.4658	1272.	41.80	26.13
#1	.1882	3.617	33.61	.0774	.0074	46.89	2.182	.0002	.0014	.0040
#2	.1856	3.579	33.35	.0775	.0073	46.49	2.201	-0.004	.0006	.0028
#3	.1849	3.624	33.38	.0774	.0071	46.51	2.184	.0001	.0010	.0025
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	4.870	-0.001	.4139	.0055	-0.011	.0006	.1172			
Stddev	.021	.0002	.0019	.0003	.0004	.0003	.0006			
%RSD	.4340	122.4	.4628	5.093	41.26	45.35	5.232			
#1	4.868	-0.002	.4160	.0058	-0.011	.0006	.1167			
#2	4.892	.0001	.4132	.0056	-0.006	.0003	.1179			
#3	4.850	-0.003	.4124	.0052	-0.015	.0008	.1170			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2290.1	6655.8	50937.	6493.3						
Stddev	4.2	20.1	48.	43.8						
%RSD	.18388	.30216	.09338	.67507						
#1	2292.9	6663.0	50971.	6485.1						
#2	2285.2	6633.0	50883.	6540.7						
#3	2292.0	6671.3	50956.	6454.1						

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Sample Name: FA32756-13 Acquired: 4/7/2016 12:36:21 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.003	.0864	-0.008	.0811	.0000	123.7	.0000	.0012	.0046	.0010
Stddev	.0002	.0026	.0010	.0001	.0001	1.1	.0000	.0000	.0001	.0001
%RSD	61.85	2.961	135.7	.1572	2294.	8660	98.45	1.592	2.368	14.24
#1	-0.006	.0847	-0.017	.0810	.0000	122.5	.0000	.0012	.0047	.0010
#2	-0.002	.0894	-0.009	.0811	.0000	124.6	.0000	.0012	.0047	.0011
#3	-0.003	.0853	.0003	.0813	.0001	124.0	.0000	.0012	.0045	.0008
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0913	10.28	35.13	.0759	.0129	64.97	4.498	-0.004	.0001	.0019
Stddev	.0013	.02	.14	.0002	.0001	.15	.0007	.0003	.0008	.0007
%RSD	1.437	.1673	.3896	.2939	.8924	.2365	.1649	73.66	993.7	35.18
#1	.0924	10.27	35.06	.0757	.0130	65.00	4.493	-0.007	.0000	.0013
#2	.0915	10.27	35.05	.0758	.0127	64.80	4.494	-0.001	.0009	.0026
#3	.0898	10.30	35.29	.0761	.0129	65.10	4.507	-0.004	-0.006	.0019
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	3.995	-0.002	.3264	.0023	-0.006	.0003	.0136			
Stddev	.010	.0003	.0009	.0000	.0002	.0002	.0001			
%RSD	.2474	112.0	.2673	1.662	41.01	71.45	6.081			
#1	3.993	.0001	.3259	.0023	-0.004	.0001	.0135			
#2	3.986	-0.004	.3260	.0023	-0.009	.0003	.0136			
#3	4.006	-0.004	.3274	.0023	-0.006	.0006	.0137			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2284.6	6663.3	50922.	6484.5						
Stddev	2	5.1	150.	19.6						
%RSD	.01047	.07617	.29449	.30193						
#1	2284.6	6663.7	50845.	6485.3						
#2	2284.8	6668.2	51095.	6503.6						
#3	2284.4	6658.1	50826.	6464.5						

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7.3
7

Sample Name: FA32756-15 Acquired: 4/7/2016 12:40:36 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.003	.1550	.0000	.1510	.0000	142.2	-0.002	.0000	.0008	-0.003
Stddev	.0003	.0071	.0007	.0008	.000	3.1	.0001	.0001	.0001	.0002
%RSD	97.41	4.572	14380.	.5314	215.5	2.171	46.86	368.2	10.34	83.96
#1	-0.006	.1488	.0007	.1519	.0000	145.0	-0.002	.0000	.0009	-0.004
#2	-0.005	.1534	.0001	.1507	-0.001	142.6	-0.002	.0001	.0008	.0000
#3	.0000	.1627	-0.007	.1504	-0.001	138.9	-0.001	.0000	.0007	-0.004
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	2.886	6.412	38.63	.2459	.0084	17.01	.0056	.0009	.0008	.0004
Stddev	.009	.025	.18	.0010	.0001	.10	.0001	.0002	.0006	.0007
%RSD	.3099	.3954	.4778	.4020	1.020	.5999	1.998	25.71	69.73	190.8
#1	2.889	6.414	38.83	.2471	.0084	17.12	.0055	.0011	.0015	.0007
#2	2.875	6.437	38.47	.2454	.0085	16.95	.0057	.0007	.0004	-0.0005
#3	2.892	6.386	38.57	.2453	.0085	16.95	.0057	.0009	.0005	.0009
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	4.388	-0.004	.3506	.0067	-0.005	.0008	.0084			
Stddev	.015	.0001	.0019	.0027	.0005	.0002	.0000			
%RSD	.3335	41.19	.5427	39.36	89.62	24.66	5.418			
#1	4.394	-0.005	.3527	.0050	-0.011	.0010	.0084			
#2	4.398	-0.003	.3491	.0055	-0.002	.0008	.0084			
#3	4.371	-0.003	.3499	.0098	-0.003	.0006	.0085			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2296.2	6619.6	50667.	6440.7						
Stddev	5.3	7.3	297.	26.0						
%RSD	.22885	.11028	.58609	.40309						
#1	2302.2	6628.0	50326.	6410.8						
#2	2293.9	6616.2	50802.	6455.1						
#3	2292.4	6614.6	50872.	6456.3						

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Sample Name: FA32756-16 Acquired: 4/7/2016 12:44:52 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	.0220	-0.011	.0695	.0000	128.9	-0.002	.0005	.0063
Stddev	.0001	.0114	.0001	.0000	.000	1.7	.0000	.0001	.0003
%RSD	48.32	51.94	10.48	.0714	624.2	1.328	16.63	12.61	4.751
#1	-0.002	.0136	-0.012	.0696	-0.001	126.9	-0.002	.0004	.0066
#2	-0.003	.0350	-0.012	.0696	.0000	129.6	-0.002	.0006	.0063
#3	-0.005	.0173	-0.010	.0695	.0000	130.1	-0.002	.0005	.0060
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.008	2.504	7.181	38.17	.2366	.0002	F99.58	.0581	.0002
Stddev	.0002	.0025	.031	.15	.0007	.0001	1.22	.0001	.0002
%RSD	22.47	1.016	.4356	.3936	.2876	44.31	1.227	.1823	82.91
#1	-0.007	.2480	7.154	38.04	.2372	.0002	98.26	.0582	.0000
#2	-0.010	.2531	7.215	38.34	.2359	.0001	100.7	.0580	.0004
#3	-0.008	.2502	7.174	38.13	.2365	.0002	99.81	.0581	.0003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0002	.0015							

Sample Name: FA32725-42 Acquired: 4/7/2016 12:49:18 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.003	.0386	-0.009	.1246	.0000	103.2	-0.001	.0002	.0005	-0.002
Stddev	.0002	.0042	.0007	.0005	.000	.1	.0000	.0000	.0001	.0001
%RSD	88.28	10.85	74.71	.3969	77.58	.1413	2.886	7.297	18.18	34.08
#1	-0.002	.0429	-0.016	.1249	.0000	103.3	-0.001	.0002	.0006	-0.001
#2	-0.005	.0346	-0.003	.1241	.0000	103.0	-0.002	.0002	.0005	-0.002
#3	.0000	.0382	-0.009	.1249	.0000	103.1	-0.001	.0002	.0004	-0.002
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.1001	2.065	29.23	.4020	.0073	77.65	.0026	.0003	.0005	.0017
Stddev	.0017	.012	.18	.0001	.0001	.08	.0001	.0004	.0002	.0002
%RSD	1.716	.5834	.6240	.0344	1.886	.1050	4.986	148.7	38.37	10.23
#1	.0983	2.076	29.38	.4020	.0073	77.68	.0024	-0.001	.0004	.0019
#2	.1004	2.052	29.29	.4018	.0072	77.56	.0026	.0002	.0004	.0017
#3	.1017	2.067	29.03	.4021	.0074	77.71	.0027	.0002	.0007	.0016
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	4.136	-0.003	.2202	.0010	-0.006	.0003	.0080			
Stddev	.003	.0001	.0006	.0001	.0004	.0001	.0001			
%RSD	.0626	26.43	.2845	12.90	61.12	27.10	.6584			
#1	4.139	-0.002	.2201	.0012	-0.002	.0004	.0080			
#2	4.134	-0.003	.2197	.0011	-0.009	.0002	.0079			
#3	4.136	-0.004	.2209	.0009	-0.006	.0002	.0079			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2285.3	6655.9	50617.	6339.8						
Stddev	2.6	7.4	121.	58.3						
%RSD	.11559	.11141	.23941	.91907						
#1	2285.4	6648.2	50521.	6277.1						
#2	2287.9	6662.9	50753.	6350.0						
#3	2282.6	6656.7	50576.	6392.3						

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Sample Name: FA32725-43 Acquired: 4/7/2016 12:53:25 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.005	.0216	.0236	.0998	.0000	139.2	-0.002	.0334	.0007	
Stddev	.0002	.0067	.0005	.0004	.000	1.2	.0000	.0000	.0002	
%RSD	33.04	31.15	2.215	4.255	56.67	.8827	7.650	.1161	23.52	
#1	-0.007	.0272	.0239	.0999	-0.001	140.6	-0.002	.0335	.0009	
#2	-0.004	.0235	.0230	.1003	.0000	138.4	-0.003	.0334	.0006	
#3	-0.004	.0142	.0240	.0994	.0000	138.7	-0.002	.0334	.0007	
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	
Avg	-0.017	2.832	2.329	55.47	.0290	.0261	37.18	.2326	.0007	
Stddev	.0001	.010	.022	.05	.0001	.0001	.14	.0005	.0006	
%RSD	4.825	.3681	.9261	.0837	.4965	.3525	.3863	.2040	77.38	
#1	-0.016	2.838	2.337	55.47	.0289	.0262	37.18	.2322	.0001	
#2	-0.017	2.839	2.346	55.52	.0291	.0262	37.32	.2325	.0010	
#3	-0.018	2.820	2.305	55.42	.0289	.0260	37.04	.2331	.0010	
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062	
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)	
Avg	.0014	-0.042	8.135	-0.003	F27.80	.0003	-0.009	.0003	.0071	
Stddev	.0003	.0013	.011	.0002	.25	.0001	.0002	.0003	.0001	
%RSD	22.70	30.43	.1371	50.21	.9033	21.87	16.82	106.6	1.112	
#1	.0011	-0.051	8.148	-0.005	27.57	.0003	-0.010	-0.001	.0072	
#2	.0012	-0.027	8.126	-0.004	27.76	.0002	-0.007	.0005	.0070	
#3	.0017	-0.047	8.133	-0.002	28.07	.0003	-0.010	.0004	.0071	
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2258.3	6567.9	50343.	6498.4						
Stddev	1.3	6.3	241.	5.3						
%RSD	.05841	.09519	.47838	.08213						
#1	2257.0	6560.7	50075.	6504.3						
#2	2258.2	6571.4	50416.	6497.1						
#3	2259.7	6571.6	50540.	6493.9						

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7.3
7

Sample Name: FA32725-44 Acquired: 4/7/2016 12:57:50 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.004	.0333	-0.008	.0865	.0000	114.0	-0.001	.0049	.0487	.0083
Stddev	.0002	.0071	.0004	.0001	.000	.2	.0000	.0001	.0006	.0002
%RSD	53.26	21.20	47.68	.0832	202.1	.1575	22.15	2.788	1.153	2.883
#1	-0.004	.0394	-0.011	.0865	.0000	113.9	-0.001	.0048	.0493	.0081
#2	-0.002	.0350	-0.004	.0866	.0000	114.3	-0.001	.0049	.0487	.0082
#3	-0.005	.0256	-0.009	.0865	-0.001	114.0	-0.001	.0051	.0482	.0085
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0084	12.03	26.39	.0198	.0049	13.94	.0224	-0.006	.0010	.0035
Stddev	.0018	.00	.08	.0002	.0000	.01	.0002	.0003	.0005	.0008
%RSD	20.92	.0269	.2911	.8001	.2418	.0371	.7934	58.02	50.58	22.78
#1	.0081	12.03	26.33	.0200	.0049	13.93	.0225	-0.007	.0005	.0028
#2	.0103	12.02	26.48	.0197	.0049	13.94	.0222	-0.002	.0011	.0033
#3	.0068	12.03	26.36	.0196	.0049	13.94	.0226	-0.008	.0015	.0044
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	2.563	-0.003	.2639	.0005	.0005	.0001	.0124			
Stddev	.004	.0001	.0003	.0001	.0008	.0001	.0000			
%RSD	.1662	40.03	.1261	14.99	144.3	158.2	.1155			
#1	2.561	-0.004	.2639	.0006	.0003	.0001	.0124			
#2	2.561	-0.003	.2643	.0005	.0014	.0002	.0124			
#3	2.568	-0.002	.2637	.0005	-0.001	-0.001	.0123			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2334.7	6680.2	51115.	6494.0						
Stddev	2.9	10.1	394.	37.4						
%RSD	.12377	.15121	.77051	.57607						
#1	2335.4	6681.3	50669.	6537.1						
#2	2337.2	6689.7	51260.	6469.5						
#3	2331.5	6669.6	51415.	6475.5						

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Sample Name: FA32725-45 Acquired: 4/7/2016 13:01:57 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.005	.0303	.0203	.0483	.0000	149.9	-0.002	.0013	.0003	
Stddev	.0003	.0097	.0006	.0001	.000	1.3	.0001	.0001	.0002	
%RSD	62.58	31.88	3.044	.1741	84.39	.8815	24.52	3.887	57.89	
#1	-0.007	.0359	.0199	.0483	.0000	151.0	-0.002	.0014	.0005	
#2	-0.001	.0358	.0200	.0483	.0000	148.4	-0.003	.0013	.0003	
#3	-0.006	.0191	.0210	.0482	.0000	150.2	-0.003	.0013	.0001	
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	
Avg	-0.023	3.235	2.533	63.23	.0332	.0182	F128.0	.1722	.0009	
Stddev	.0001	.011	.021	.41	.0000	.0000	2.3	.0001	.0002	
%RSD	2.945	.3427	.8119	.6518	.0895	.2383	1.765	.0769	19.32	
#1	-0.023	3.222	2.511	63.01	.0332	.0182	130.5	.1724	.0011	
#2	-0.023	3.243	2.552	63.70	.0333	.0181	127.2	.1721	.0008	
#3	-0.022	3.240	2.535	62.97	.0332	.0181	126.2	.1722	.0008	
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062	
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3						

Sample Name: FA32725-46 Acquired: 4/7/2016 13:06:30 Type: Unk
Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.004	.0321	.0173	.1136	-.0001	96.92	-.0001	.0005	.0006
Stddev	.0002	.0066	.0002	.0003	.0000	.37	.0000	.0001	.0000
%RSD	51.20	20.61	.9707	.2759	15.87	.3815	23.37	16.94	8.513
#1	-.0006	.0371	.0175	.1140	-.0001	97.31	-.0001	.0004	.0005
#2	-.0006	.0246	.0172	.1134	-.0001	96.57	-.0001	.0004	.0006
#3	-.0002	.0345	.0173	.1134	-.0001	96.87	-.0001	.0006	.0006
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0018	1.654	6.114	48.69	.0126	.0375	23.17	.0024	.0003
Stddev	.0002	.007	.021	.27	.0000	.0002	.11	.0001	.0008
%RSD	14.17	.4341	.3509	.5567	.0969	.5140	.4635	4.017	241.3
#1	-.0018	1.646	6.139	48.93	.0126	.0377	23.29	.0025	-.0006
#2	-.0020	1.654	6.101	48.40	.0126	.0374	23.08	.0023	.0005
#3	-.0015	1.660	6.103	48.73	.0126	.0373	23.15	.0023	.0010
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0000	-.0034	7.931	-.0001	F27.15	.0008	-.0007	.0002	.0087
Stddev	.0004	.0012	.012	.0001	.35	.0001	.0005	.0001	.0001
%RSD	1856.	34.77	.1483	116.1	1.301	18.17	70.80	44.83	.9089
#1	.0000	-.0038	7.918	-.0002	27.39	.0009	-.0003	.0003	.0087
#2	.0005	-.0021	7.937	-.0001	26.74	.0006	-.0006	.0001	.0086
#3	-.0004	-.0043	7.940	.0000	27.32	.0007	-.0012	.0003	.0088
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2302.8	6686.8	50978.	6362.2					
Stddev	2.2	1.9	163.	73.4					
%RSD	.09601	.02839	.31901	1.1531					
#1	2304.6	6685.5	50922.	6317.1					
#2	2303.4	6685.8	50851.	6446.9					
#3	2300.3	6688.9	51161.	6322.6					

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Sample Name: FA32725-47 Acquired: 4/7/2016 13:10:44 Type: Unk
Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0001	4.382	.0054	.0848	.0003	172.8	.0009	.0162	.1735	.0794
Stddev	.0002	.012	.0004	.0002	.0001	1.5	.0000	.0001	.0003	.0002
%RSD	175.0	.2759	7.647	.2435	26.04	8541	3.442	.5120	.1799	.2622
#1	.0000	4.375	.0049	.0850	.0002	171.5	.0009	.0163	.1733	.0794
#2	.0000	4.375	.0055	.0846	.0004	172.6	.0008	.0161	.1734	.0792
#3	-.0004	4.396	.0057	.0849	.0003	174.4	.0009	.0162	.1739	.0796
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)
Avg	11.15	3.269	68.80	1.221	.0104	27.46	.0869	.0103	.0003	.0014
Stddev	.02	.009	.18	.001	.0000	.04	.0002	.0002	.0009	.0004
%RSD	.2112	.2693	.2554	.0957	.1732	.1281	.2073	1.550	278.3	30.19
#1	11.17	3.272	68.61	1.221	.0104	27.44	.0868	.0102	.0013	.0014
#2	11.13	3.259	68.82	1.220	.0104	27.43	.0871	.0105	-.0004	.0009
#3	11.14	3.275	68.96	1.222	.0104	27.50	.0868	.0102	.0001	.0018
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	8.772	-.0003	.2104	.1047	-.0010	.0110	.0588			
Stddev	.008	.0001	.0001	.0001	.0006	.0000	.0001			
%RSD	.0905	47.21	.0620	.1173	62.34	.2854	.1090			
#1	8.764	-.0002	.2106	.1046	-.0004	.0110	.0589			
#2	8.773	-.0001	.2104	.1047	-.0017	.0109	.0588			
#3	8.780	-.0004	.2104	.1049	-.0010	.0110	.0589			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2236.1	6737.9	51523.	6587.5						
Stddev	5	5.5	85.	21.4						
%RSD	.02235	.08193	.16572	.32559						
#1	2236.1	6743.9	51587.	6609.5						
#2	2236.6	6733.1	51557.	6586.3						
#3	2235.6	6736.6	51426.	6566.7						

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7.3
7

Sample Name: CCV Acquired: 4/7/2016 13:14:56 Type: QC
Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2528	40.11	2.023	2.051	2.003	40.05	2.054	2.051	2.049	2.035
Stddev	.0008	.20	.004	.004	.007	.18	.003	.003	.004	.003
%RSD	.3195	.4960	.1762	.1740	.3303	.4577	.1231	.1367	.1737	.1232
#1	.2531	39.93	2.019	2.048	2.000	39.90	2.051	2.049	2.045	2.037
#2	.2518	40.32	2.025	2.055	2.011	40.26	2.054	2.051	2.051	2.032
#3	.2533	40.09	2.025	2.050	1.999	40.01	2.056	2.054	2.052	2.036
Check ?	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass
Value										
Range										
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.23	40.59	39.49	2.073	2.036	40.46	2.044	2.009	2.032	2.031
Stddev	.22	.17	.23	.006	.005	.16	.002	.002	.002	.001
%RSD	.5547	.4154	.5919	.2982	.2380	.4025	.0974	.1195	.0902	.0619
#1	39.13	40.42	39.28	2.066	2.031	40.29	2.042	2.009	2.031	2.030
#2	39.48	40.76	39.75	2.073	2.037	40.61	2.045	2.006	2.032	2.032
#3	39.08	40.59	39.45	2.079	2.041	40.47	2.046	2.011	2.035	2.031
Check ?	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass
Value										
Range										
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm			
Avg	2.107	2.033	2.050	2.072	2.037	2.031	2.040			
Stddev	.003	.001	.006	.004	.004	.003	.002			
%RSD	.1208	.0561	.2742	.1802	.1804	.1677	.1128			
#1	2.104	2.032	2.044	2.069	2.038	2.029	2.038			
#2	2.108	2.034	2.056	2.071	2.033	2.030	2.041			
#3	2.109	2.033	2.050	2.076	2.040	2.035	2.043			
Check ?	None	Chk	Pass	Chk	Pass	Chk	Pass			
Value										
Range										

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Sample Name: CCV Acquired: 4/7/2016 13:14:56 Type: QC
Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2218.0	6787.9	51534.	6438.6					
Stddev	4.5	15.8	228.	69.9					
%RSD	.20295	.23344	.44280	1.0853					
#1	2222.5	6806.1	51793.	6497.3					
#2	2217.8	6779.6	51445.	6361.3					
#3	2213.6	6777.8	51363.	6457.1					

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Sample Name: CCB Acquired: 4/7/2016 13:18:51 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.007	.0005	.0001	.0000	.0024	.0000	.0000
Stddev	.0002	.0073	.0003	.0001	.0001	.0012	.0000	.000
%RSD	295.8	1094.	52.41	116.5	214.3	52.19	193.6	161.1

#1	.0001	.0043	.0008	.0000	.0000	.0019	.0000	.0000
#2	-.0002	-.0091	.0004	.0000	.0000	.0037	.0000	.0000
#3	.0000	.0028	.0003	.0001	.0001	.0014	.0000	.0000

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0002	.0173	.0084	-.0058	.0000	F.0013	.0151
Stddev	.0002	.0001	.0071	.0031	.0055	.0000	.0005	.0023
%RSD	146.6	49.14	41.13	37.47	94.60	110.7	42.20	15.40

#1	-.0001	.0001	.0244	.0049	-.0035	.0000	.0018	.0135
#2	.0003	.0001	.0172	.0109	-.0121	.0001	.0012	.0178
#3	.0002	.0003	.0102	.0093	-.0018	.0000	.0008	.0141

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass
 .0010
 -.0010

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	F-.0011	.0004	.0002	.0040	.0002	.0001	.0008
Stddev	.000	.0006	.0005	.0008	.0002	.0002	.0000	.0001
%RSD	747.1	55.68	134.2	380.4	5.143	69.07	20.00	12.45

#1	-.0002	-.0007	.0003	-.0002	.0038	.0003	.0001	.0010
#2	.0001	-.0018	.0009	.0012	.0042	.0000	.0001	.0008
#3	.0000	-.0008	-.0001	-.0003	.0039	.0003	.0001	.0008

Check ? High Limit Low Limit
 Chk Pass Chk Fail Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 .0010
 -.0010

Sample Name: CCB Acquired: 4/7/2016 13:18:51 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	.0000	.0002	-.0001
Stddev	.001	.0001	.0000
%RSD	2474.	63.23	27.03

#1	-.0007	.0000	-.0001
#2	.0003	.0002	-.0001
#3	.0003	.0002	-.0002

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2590.4	7045.4	53114.	6458.6
Stddev	1.6	11.4	122.	40.1
%RSD	.06153	.16227	.22962	.62068

#1	2589.7	7058.6	53157.	6465.2
#2	2592.2	7039.2	52977.	6494.9
#3	2589.3	7038.3	53209.	6415.6

Sample Name: FA32725-48 Acquired: 4/7/2016 13:23:03 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Avg	-.0003	.0390	.0034	.0864	.0000	144.9	-.0002	.0009	.0030	-.0011
Stddev	.0000	.0059	.0004	.0001	.0001	1.9	.0000	.0001	.0001	.0002
%RSD	17.04	15.18	12.24	.1353	18830.	1.300	10.39	8.764	4.914	22.26

#1	-.0002	.0427	.0031	.0865	-.0001	142.9	-.0002	.0008	.0029	-.0013
#2	-.0003	.0422	.0039	.0862	.0000	145.2	-.0002	.0010	.0030	-.0008
#3	-.0003	.0322	.0032	.0864	.0001	146.7	-.0002	.0009	.0032	-.0011

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	2.225	8.851	39.43	.1730	.0123	35.72	.3138	.0007	.0007	.0004
Stddev	.010	.076	.33	.0002	.0001	.08	.0002	.0002	.0004	.0006
%RSD	.4629	.8648	.8490	.1412	.8857	.2363	.0660	27.89	59.26	138.0

#1	2.223	8.884	39.21	.1733	.0124	35.69	.3136	.0007	.0003	.0003
#2	2.216	8.764	39.27	.1730	.0123	35.66	.3138	.0005	.0006	-.0001
#3	2.236	8.906	39.82	.1728	.0121	35.82	.3141	.0010	.0011	.0011

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	3.995	-.0002	.3351	.0010	-.0006	.0003	.0068
Stddev	.002	.0001	.0009	.0001	.0009	.0003	.0000
%RSD	.0597	52.86	.2704	11.29	135.6	94.89	4.118

#1	3.993	-.0003	.3352	.0011	-.0017	.0002	.0068
#2	3.998	-.0001	.3341	.0009	-.0001	.0001	.0068
#3	3.995	-.0001	.3359	.0009	-.0002	.0007	.0068

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2281.0	6590.3	50433.	6369.4
Stddev	3.1	3.6	79.	77.3
%RSD	.13667	.05457	.15571	1.2139

#1	2283.7	6590.8	50505.	6442.1
#2	2281.8	6593.6	50350.	6378.1
#3	2277.6	6586.5	50444.	6288.1

Sample Name: FA32725-49 Acquired: 4/7/2016 13:27:20 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0004	1.473	.0043	.0733	.0000	166.7	-.0002	.0008	.0034	.0000
Stddev	.0003	.021	.0003	.0005	.0000	1.3	.0000	.0001	.0003	.0002
%RSD	85.75	1.397	7.973	6.207	354.2	.7592	17.83	6.833	9.452	357.2

#1	-.0003	1.493	.0039	.0731	.0000	165.7	-.0003	.0008	.0033	.0000
#2	-.0001	1.452	.0046	.0730	.0000	168.1	-.0002	.0008	.0037	-.0001
#3	-.0007	1.474	.0043	.0738	.0001	166.2	-.0002	.0009	.0031	.0002

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	5.178	3.852	50.00	.2753	.0073	20.48	.0296	.0021	.0004	.0010
Stddev	.006	.017	.13	.0006	.0001	.08	.0001	.0008	.0006	.0011
%RSD	.1120	.4296	.2553	.2080	1.397	.3968	.2575	35.85	140.6	114.4

#1	5.174	3.847	50.05	.2760	.0072	20.56	.0295	.0017	.0009	.0017
#2	5.176	3.839	50.10	.2751	.0072	20.48	.0297	.0017	-.0002	-.0003
#3	5.185	3.871	49.86	.2749	.0074	20.40	.0296	.0030	.0005	.0016

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	7.719	-.0002	.4853	.0575	-.0008	.0031	.0133
Stddev	.005	.0003	.0013	.0074	.0006	.0002	.0000
%RSD	.0670	146.9	.2756	12.87	67.97	6.692	.1396

#1	7.724	-.0001	.4868	.0529	-.0014	.0031	.0133
#2	7.714	-.0006	.4843	.0661	-.0008	.0029	.0133
#3	7.719	.0000	.4848	.0536	-.0003	.0034	.0134

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2280.5	6634.5	50874.	6428.2
Stddev	3.3	3.2	120.	30.2
%RSD	.14341	.04883	.23557	.46985

#1	2280.1	6630.9	50777.	6431.0
#2	2277.4	6637.0	50837.	6396.7
#3	2283.9	6635.7	51008.	6456.9

Sample Name: FA32725-50 Acquired: 4/7/2016 13:31:35 Type: Unk
Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stdev, %RSD, #1, #2, #3, Int. Std., Avg, Stdev, %RSD, #1, #2, #3)

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Sample Name: FA32725-52 Acquired: 4/7/2016 13:40:15 Type: Unk
Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stdev, %RSD, #1, #2, #3, Int. Std., Avg, Stdev, %RSD, #1, #2, #3)

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Sample Name: FA32725-51 Acquired: 4/7/2016 13:35:52 Type: Unk
Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stdev, %RSD, #1, #2, #3, Int. Std., Avg, Stdev, %RSD, #1, #2, #3)

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Sample Name: FA32753-1 Acquired: 4/7/2016 13:44:32 Type: Unk
Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stdev, %RSD, #1, #2, #3, Int. Std., Avg, Stdev, %RSD, #1, #2, #3)

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7.3

7

Sample Name: MP30219-MB1 Acquired: 4/7/2016 13:49:08 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.010	.0356	-0.029	.0001	-0.003	.4335	-0.003	.0000
Stddev	.0009	.0734	.0011	.0008	.0001	.0467	.0001	.0004
%RSD	91.19	206.1	38.24	618.5	38.08	10.78	30.36	1636.

#1	-0.004	.1165	-0.022	.0007	-0.003	.4793	-0.005	-0.004
#2	-0.020	.0171	-0.024	-0.008	-0.002	.4353	-0.003	.0005
#3	-0.005	-0.0268	-0.042	.0004	-0.004	.3859	-0.003	-0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0035	.0014	F.4049	.1407	.1999	.0016	-0.0048	.1348
Stddev	.0009	.0004	.1383	.0414	.0472	.0002	.0006	.0340
%RSD	25.60	27.17	34.16	29.41	23.63	12.60	11.80	25.21

#1	.0040	.0011	.5486	.1599	.2318	.0017	-0.042	.0961
#2	.0040	.0018	.3932	.0932	.2221	.0017	-0.049	.1596
#3	.0024	.0013	.2727	.1689	.1456	.0014	-0.054	.1487

Check ? Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	-0.018	F-.0026	.0032	.0695	F.0512	.0011	.0000
Stddev	.0002	.0013	.0035	.0064	.0061	.0013	.0002	.0004
%RSD	35.68	75.03	136.9	199.5	8.797	2.519	18.88	2005.

#1	.0008	-0.003	-0.0031	-0.0036	.0695	.0515	.0013	.0004
#2	.0004	-0.029	.0012	.0041	.0756	.0498	.0009	-0.004
#3	.0008	-0.022	-0.058	.0092	.0634	.0523	.0012	.0001

Check ? Chk Pass Chk Pass Chk Fail Chk Pass None Chk Fail Chk Pass Chk Pass
 High Limit
 Low Limit

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Sample Name: MP30219-MB1 Acquired: 4/7/2016 13:49:08 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	F-.0082	.0003	F.0315
Stddev	.0007	.0013	.0003
%RSD	8.880	462.8	.9766

#1	-0.0073	-0.011	.0319
#2	-0.0086	.0004	.0313
#3	-0.0086	.0014	.0314

Check ? Chk Fail Chk Pass Chk Fail
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2588.1	7089.3	53601.	6454.2
Stddev	.7	12.5	118.	49.2
%RSD	.02823	.17624	.21978	.76264

#1	2588.4	7075.1	53546.	6454.7
#2	2587.3	7094.3	53736.	6503.2
#3	2588.7	7098.5	53520.	6404.8

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Sample Name: MP30219-B1 Acquired: 4/7/2016 13:53:22 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0489	27.14	1.933	2.068	.0501	25.82	.0510	.5178	.2080	.2584
Stddev	.0006	.17	.002	.003	.0001	.19	.0003	.0006	.0005	.0020
%RSD	1.276	.6222	.1116	.1546	.1696	.7487	.5346	1.071	.2441	.7703

#1	.0488	27.30	1.931	2.066	.0502	26.05	.0511	.5172	.2080	.2604
#2	.0495	26.96	1.935	2.067	.0501	25.69	.0512	.5183	.2085	.2564
#3	.0483	27.17	1.934	2.072	.0502	25.74	.0507	.5179	.2075	.2583

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.59	25.39	24.92	.5365	.5039	25.57	.5232	.4769	.4763	1.956
Stddev	.08	.18	.21	.0006	.0004	.06	.0007	.0050	.0023	.005
%RSD	.2937	.7130	.8373	.1050	.0700	.2404	.1359	1.038	4.807	.2567

#1	26.59	25.57	25.15	.5359	.5036	25.64	.5227	.4731	.4774	1.956
#2	26.51	25.20	24.76	.5365	.5042	25.53	.5229	.4750	.4737	1.952
#3	26.66	25.40	24.83	.5370	.5040	25.55	.5240	.4825	.4778	1.962

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0531	.5739	.5057	.5189	1.954	.4859	.5638
Stddev	.0014	.0018	.0005	.0005	.003	.0012	.0011
%RSD	2.628	.3170	.1021	.0892	.1661	.2375	.1917

#1	.0519	.5752	.5059	.5194	1.955	.4869	.5632
#2	.0528	.5746	.5051	.5185	1.950	.4846	.5632
#3	.0546	.5718	.5060	.5189	1.956	.4861	.5651

Check ? None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value
 Range

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Sample Name: MP30219-B1 Acquired: 4/7/2016 13:53:22 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2490.4	7023.9	52632.	6364.9
Stddev	4.3	2.5	128.	53.3
%RSD	.17290	.03547	.24358	.83803

#1	2494.9	7025.4	52655.	6306.0
#2	2489.9	7025.2	52747.	6409.9
#3	2486.3	7021.0	52494.	6378.7

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Sample Name: FA31931-7 Acquired: 4/7/2016 13:57:24 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0046	164.3	.0226	.8590	.0039	11.04	-.0004	.0307	.2642	.2141
Stddev	.0021	.3	.0029	.0033	.0003	.03	.0001	.0008	.0008	.0022
%RSD	46.30	.1595	12.84	.3825	6.560	.2337	34.29	2.521	.3075	1.025
#1	.0046	164.5	.0248	.8625	.0037	11.06	-.0003	.0302	.2644	.2159
#2	.0067	164.0	.0193	.8584	.0040	11.05	-.0005	.0316	.2634	.2117
#3	.0025	164.2	.0236	.8560	.0042	11.01	-.0005	.0303	.2649	.2149
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	146.6	13.94	13.41	1.435	.0044	1.788	1.405	4.195	.0015	.0072
Stddev	.3	.15	.11	.004	.0004	.035	.0013	.0020	.0049	.0036
%RSD	.1838	1.094	.8244	.2423	8.815	1.968	.9389	.4661	319.8	50.19
#1	146.8	14.11	13.54	1.439	.0048	1.782	1.420	4.217	.0038	.0038
#2	146.6	13.89	13.35	1.433	.0041	1.826	1.394	4.185	-.0041	.0110
#3	146.3	13.81	13.35	1.433	.0043	1.756	1.400	4.182	.0050	.0068
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	2.475	.0346	.1606	6.022	-.0008	.3744	1.676			
Stddev	.002	.0007	.0005	.009	.0071	.0008	.0005			
%RSD	.0878	2.167	.3308	.1492	871.9	2.071	.2978			
#1	2.476	.0342	.1604	6.032	-.0074	.3752	1.678			
#2	2.478	.0355	.1612	6.015	.0067	.3740	1.680			
#3	2.473	.0341	.1602	6.019	-.0018	.3738	1.670			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2481.2	7177.2	53474.	6492.0						
Stddev	2.2	3.3	247.	26.3						
%RSD	.08997	.04539	.46191	.40449						
#1	2482.5	7173.6	53203.	6467.5						
#2	2478.6	7178.3	53687.	6519.7						
#3	2482.5	7179.8	53531.	6488.7						

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Sample Name: MP30219-D1 Acquired: 4/7/2016 14:01:28 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0052	177.8	.0236	.9327	.0042	11.76	-.0005	.0342	.2881	.2354
Stddev	.0006	.3	.0044	.0034	.0002	.04	.0000	.0003	.0014	.0015
%RSD	11.11	.1465	18.54	.3692	5.890	.3047	8.375	.7984	.4873	.6269
#1	.0047	177.7	.0186	.9361	.0041	11.73	-.0005	.0345	.2865	.2338
#2	.0059	178.0	.0263	.9326	.0045	11.80	-.0004	.0340	.2884	.2367
#3	.0052	177.5	.0260	.9292	.0041	11.75	-.0005	.0340	.2893	.2355
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	158.2	15.07	14.41	1.559	.0045	1.919	1.523	4.585	-.0008	.0078
Stddev	.0	.07	.10	.005	.0001	.006	.0006	.0012	.0025	.0075
%RSD	.0090	.4860	.6822	.3373	2.476	.3004	.4199	.2657	308.3	95.83
#1	158.2	15.07	14.29	1.561	.0046	1.919	.1522	4.598	.0018	.0008
#2	158.2	15.14	14.45	1.553	.0044	1.925	.1530	4.573	-.0032	.0157
#3	158.2	14.99	14.48	1.564	.0044	1.914	.1517	4.583	-.0011	.0069
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	2.839	.0371	.1745	6.101	-.0044	.4057	1.779			
Stddev	.007	.0010	.0010	.009	.0018	.0018	.0003			
%RSD	.2515	2.721	.5955	.1554	40.77	4.464	.1833			
#1	2.838	.0365	.1757	6.097	-.0027	.4073	1.783			
#2	2.846	.0366	.1741	6.094	-.0041	.4038	1.777			
#3	2.832	.0383	.1738	6.112	-.0063	.4061	1.777			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2481.3	7185.9	54074.	6641.9						
Stddev	8.5	9.8	325.	45.3						
%RSD	.34451	.13633	.60194	.68152						
#1	2471.4	7174.8	53938.	6694.2						
#2	2486.9	7189.5	54445.	6616.1						
#3	2485.4	7193.5	53839.	6615.4						

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7.3
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Sample Name: CCV Acquired: 4/7/2016 14:05:33 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2548	40.60	2.026	2.078	2.019	40.36	2.069	2.065	2.072	2.051
Stddev	.0009	.10	.006	.004	.006	.17	.000	.001	.004	.002
%RSD	.3631	.2349	.2995	.1664	.3108	4.265	.0056	.0464	.1690	.0949
#1	.2559	40.49	2.023	2.075	2.013	40.17	2.069	2.063	2.074	2.054
#2	.2541	40.65	2.022	2.079	2.018	40.42	2.069	2.065	2.068	2.050
#3	.2546	40.66	2.033	2.081	2.026	40.50	2.069	2.065	2.073	2.051
Check ?	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass
Value										
Range										
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.33	41.12	39.62	2.093	2.048	41.08	2.057	2.021	2.037	2.035
Stddev	.14	.16	.15	.006	.004	.11	.001	.002	.003	.002
%RSD	.3660	.3965	.3675	.2705	.2002	.2733	.0283	.1028	.1392	.1048
#1	39.21	40.95	39.48	2.098	2.044	40.96	2.057	2.021	2.034	2.033
#2	39.30	41.12	39.61	2.093	2.048	41.13	2.057	2.019	2.036	2.037
#3	39.49	41.28	39.77	2.087	2.052	41.17	2.058	2.023	2.040	2.036
Check ?	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass
Value										
Range										
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm			
Avg	2.118	2.044	2.080	2.093	2.049	2.052	2.058			
Stddev	.001	.003	.007	.003	.008	.003	.001			
%RSD	.0683	.1243	.3569	.1492	.3695	.1631	.0463			
#1	2.120	2.045	2.073	2.094	2.048	2.055	2.057			
#2	2.117	2.041	2.079	2.094	2.043	2.049	2.059			
#3	2.118	2.045	2.088	2.089	2.058	2.050	2.057			
Check ?	None	Chk	Pass	Chk	Pass	Chk	Pass			
Value										
Range										

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Sample Name: CCV Acquired: 4/7/2016 14:05:33 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2208.2	6757.8	51052.	6429.4
Stddev	2.0	9.3	236.	46.7
%RSD	.09033	.13834	.46255	.72636
#1	2210.0	6768.3	50787.	6473.5
#2	2208.6	6754.6	51240.	6434.0
#3	2206.1	6750.4	51130.	6380.5

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Sample Name: CCB Acquired: 4/7/2016 14:09:30 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	0.155	.0003	.0001	.0001	.0042	.0000	.0001	.0000
Stddev	.0001	.0040	.0002	.0001	.0000	.0007	.0000	.0000	.0002
%RSD	32.31	25.81	67.74	206.5	54.14	15.57	368.2	39.38	3083.
#1	-0.004	.0187	.0004	.0002	.0000	.0037	.0000	.0001	.0001
#2	-0.002	.0167	.0002	-0.001	.0001	.0049	.0000	.0001	.0002
#3	-0.004	.0110	.0001	.0001	.0001	.0040	.0000	.0001	-0.002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0165	.0043	.0123	.0000	F .0014	-.0057	.0000	.0000
Stddev	.0002	.0060	.0361	.0061	.0000	.0005	.0023	.000	.000
%RSD	46.40	36.60	844.7	49.20	353.0	33.46	39.92	1538.	3323.
#1	.0002	.0225	.0336	.0089	.0000	.0019	-.0074	-.0001	.0004
#2	.0005	.0164	.0153	.0088	.0000	.0013	-.0031	.0001	-.0004
#3	.0005	.0105	-.0361	.0193	.0000	.0010	-.0065	-.0001	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-.0010			

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0017	.0045	.0003	.0000	.0009	-.0006	.0000	-.0001
Stddev	.0008	.0012	.0003	.0001	.0000	.0001	.0001	.000	.0000
%RSD	739.5	70.94	7.188	40.98	303.4	14.94	8.783	405.8	45.49
#1	-.0003	.0026	.0043	.0004	.0000	.0011	-.0006	.0001	-.0001
#2	-.0004	.0003	.0049	.0002	.0000	.0009	-.0006	.0001	-.0001
#3	.0011	.0021	.0045	.0002	.0000	.0008	-.0005	-.0003	-.0001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: MP30219-D2 Acquired: 4/7/2016 14:13:44 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0047	176.3	.0226	.9172	.0043	11.64	-.0003	.0335	.2813	.2298
Stddev	.0015	.3	.0049	.0008	.0002	.03	.0002	.0001	.0007	.0009
%RSD	33.08	.1475	21.63	.0848	4.759	.2271	60.41	.3730	.2339	.4133
#1	.0029	176.6	.0205	.9180	.0041	11.66	-.0001	.0334	.2809	.2287
#2	.0054	176.2	.0282	.9164	.0045	11.64	-.0003	.0336	.2809	.2301
#3	.0057	176.1	.0192	.9172	.0042	11.61	-.0006	.0336	.2821	.2305

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	157.0	14.80	14.28	1.547	.0080	1.960	.1525	.4451	-.0002	.0041
Stddev	.2	.07	.07	.001	.0004	.058	.0006	.0018	.0010	.0040
%RSD	.0999	.5005	.4960	.0604	5.530	2.950	.3718	.4051	409.6	98.84
#1	157.1	14.88	14.34	1.548	.0083	2.023	.1522	.4442	-.0010	.0088
#2	156.8	14.81	14.20	1.546	.0082	1.947	.1531	.4472	-.0005	.0020
#3	156.9	14.73	14.30	1.547	.0075	1.909	.1521	.4440	.0008	.0015

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	2.761	.0415	.1778	6.412	-.0012	.4028	.1662
Stddev	.004	.0007	.0003	.004	.0023	.0021	.0009
%RSD	.1339	1.793	.1843	.0551	202.7	5162	5534
#1	2.764	.0418	.1782	6.416	-.0026	.4005	.1673
#2	2.757	.0420	.1776	6.409	-.0024	.4033	.1658
#3	2.761	.0406	.1776	6.411	.0015	.4045	.1655

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2486.1	7201.3	54148.	6633.6
Stddev	3.5	3.0	275.	28.0
%RSD	.14231	.04226	.50762	.42154
#1	2483.5	7197.8	54020.	6632.6
#2	2490.1	7203.6	54463.	6606.1
#3	2484.6	7202.4	53960.	6662.0

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Sample Name: CCB Acquired: 4/7/2016 14:09:30 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2568.7	6986.1	52402.	6403.2
Stddev	3.0	4.9	45.	66.0
%RSD	.11674	.06981	.08577	1.0314
#1	2565.4	6982.6	52447.	6459.3
#2	2571.3	6991.7	52401.	6330.4
#3	2569.4	6983.9	52358.	6419.9

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Sample Name: MP30219-SD1 Acquired: 4/7/2016 14:17:51 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0040	198.2	.0162	1.086	.0040	12.29	-.0028	.0333	.2980	.2311
Stddev	.0025	.8	.0072	.012	.0007	.11	.0003	.0011	.0089	.0050
%RSD	61.60	.4128	44.52	1.145	18.64	.9030	9.019	3.178	2.990	2.171
#1	.0044	197.3	.0238	1.078	.0042	12.21	-.0027	.0335	.2905	.2365
#2	.0063	199.0	.0093	1.101	.0032	12.42	-.0031	.0343	.3079	.2266
#3	.0014	198.2	.0156	1.080	.0047	12.24	-.0026	.0322	.2955	.2302

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	156.5	19.91	14.57	1.541	-.0121	5.575	.1670	.4318	-.0026	-.0042
Stddev	.3	.40	.51	.005	.0021	.077	.0041	.0101	.0190	.0164
%RSD	.2202	2.007	3.530	.3076	17.44	1.381	2.465	2.335	734.9	391.7
#1	156.3	19.45	14.37	1.541	-.0120	5.487	.1700	.4331	.0141	-.0045
#2	156.3	20.11	14.18	1.536	-.0143	5.632	.1623	.4413	-.0233	-.0205
#3	156.9	20.17	15.15	1.546	-.0101	5.605	.1688	.4212	.0015	.0124

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	74.31	.0322	.1949	8.084	-.0176	.4080	.3707
Stddev	2.35	.0050	.0009	.281	.0138	.0035	.0010
%RSD	3.162	15.43	.4677	3.482	78.27	8.668	.2802
#1	74.47	.0316	.1939	8.360	-.0017	.4041	.3715
#2	76.58	.0276	.1956	8.095	-.0255	.4091	.3710
#3	71.88	.0374	.1953	7.797	-.0255	.4109	.3695

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2555.2	7137.3	53412.	6539.4
Stddev	2.8	8.1	93.	61.1
%RSD	.10771	.11386	.17334	.93468
#1	2556.9	7145.5	53326.	6507.0
#2	2552.0	7129.2	53400.	6609.9
#3	2556.6	7137.2	53510.	6501.3

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Sample Name: MP30219-PS1 Acquired: 4/7/2016 14:21:59 Type: Unk
Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 5.00000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0530	169.8	.1226	1.141	.0553	16.48	.0519	.0842	.3209	.3231
Stddev	.0007	.7	.0012	.002	.0002	.08	.0003	.0002	.0028	.0009
%RSD	1.338	4.333	.9554	.1642	.3666	4.726	.5572	.1975	8.722	2.732

#1	.0536	169.0	.1213	1.140	.0551	16.40	.0516	.0843	.3178	.3240
#2	.0532	170.5	.1235	1.140	.0555	16.56	.0521	.0841	.3215	.3222
#3	.0522	169.8	.1230	1.143	.0554	16.48	.0521	.0840	.3233	.3230

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	151.2	24.40	18.60	1.501	1.067	12.25	2.463	4.760	1.050	1.039
Stddev	.3	.14	.10	.002	.0010	.03	.0002	.0031	.0044	.0061
%RSD	.2075	.5666	.5228	.1435	.9440	.2532	.0988	.6601	4.200	5.895

#1	150.9	24.27	18.55	1.499	1.061	12.24	2.465	4.734	1.021	.0987
#2	151.5	24.54	18.55	1.503	1.062	12.29	2.469	4.752	1.101	1.107
#3	151.0	24.40	18.71	1.503	1.079	12.24	2.461	4.795	1.029	1.025

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	2.538	.0873	.2141	6.204	.0996	4.301	.4117
Stddev	.006	.0003	.0004	.007	.0053	.0019	.0004
%RSD	.2207	.3281	.1836	.1081	5.319	4.483	1.055

#1	2.544	.0876	.2137	6.196	.0942	4.283	.4115
#2	2.533	.0871	.2143	6.207	.1048	4.300	.4114
#3	2.537	.0873	.2144	6.209	.0999	4.321	.4122

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2472.3	7202.8	53479.	6554.7
Stddev	3.8	10.4	238.	9.3
%RSD	.15390	.14409	.44428	.14200

#1	2476.4	7204.2	53746.	6565.4
#2	2471.5	7212.4	53291.	6550.3
#3	2469.0	7191.8	53401.	6548.4

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Sample Name: MP30219-S1 Acquired: 4/7/2016 14:26:04 Type: Unk
Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 5.00000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0516	210.2	1.766	2.870	.0545	36.62	.0484	.5259	.4617	.4637
Stddev	.0010	.7	.007	.007	.0003	.05	.0002	.0009	.0041	.0010
%RSD	1.850	3.174	.3776	.2555	.5933	1.423	.3510	1.760	8.867	2.255

#1	.0513	210.9	1.774	2.877	.0544	36.64	.0482	.5269	.4613	.4647
#2	.0527	210.3	1.763	2.871	.0542	36.66	.0484	.5252	.4660	.4626
#3	.0509	209.5	1.762	2.863	.0548	36.57	.0486	.5255	.4578	.4638

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	167.6	38.49	38.09	1.897	1.069	26.97	6.481	8.805	0.722	1.837
Stddev	.3	.26	.01	.002	.0012	.14	.0013	.0014	.0055	.007
%RSD	.2034	.6729	.0332	.0928	.2981	.5235	.1975	.1581	7.676	.3675

#1	167.9	38.59	38.10	1.896	1.069	27.11	6.496	8.821	0.700	1.844
#2	167.6	38.69	38.08	1.899	1.058	26.97	6.474	8.794	0.681	1.835
#3	167.2	38.20	38.09	1.896	1.058	26.83	6.473	8.802	0.785	1.831

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	2.639	.4488	.6646	5.684	1.922	8.320	.6480
Stddev	.011	.0012	.0020	.003	.004	.0018	.0006
%RSD	.4027	.2737	.3057	.0524	.1808	.2184	.0860

#1	2.651	.4503	.6669	5.686	1.926	8.299	.6485
#2	2.630	.4482	.6641	5.684	1.921	8.333	.6474
#3	2.636	.4481	.6629	5.681	1.919	8.327	.6480

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2431.3	7168.7	53134.	6478.0
Stddev	1.2	12.7	96.	32.8
%RSD	.04925	.17772	.18159	.50587

#1	2432.1	7155.4	53195.	6500.4
#2	2429.9	7180.7	53023.	6493.1
#3	2431.9	7170.0	53185.	6440.4

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7.3
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Sample Name: MP30219-S2 Acquired: 4/7/2016 14:30:04 Type: Unk
Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 5.00000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0502	217.4	1.753	2.861	.0531	36.12	.0482	.5214	.4765	.4662
Stddev	.0011	.4	.004	.003	.0005	.07	.0003	.0005	.0017	.0003
%RSD	2.205	1.854	.2254	.1204	1.032	1.986	.5721	.0940	3.632	.0595

#1	.0493	217.3	1.749	2.863	.0531	36.08	.0485	.5211	.4746	.4664
#2	.0515	217.9	1.753	2.864	.0536	36.20	.0479	.5212	.4780	.4663
#3	.0499	217.1	1.756	2.857	.0525	36.08	.0482	.5220	.4768	.4659

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	174.3	38.20	37.80	1.963	1.076	26.04	6.552	8.945	0.837	1.812
Stddev	.3	.17	.27	.006	.0006	.05	.0020	.0035	.0045	.002
%RSD	.1580	.4468	.7047	.3174	1.588	1.801	.3121	3.893	5.351	1.198

#1	174.3	38.22	37.52	1.963	1.070	25.98	6.556	8.942	0.791	1.815
#2	174.6	38.36	38.05	1.969	1.076	26.08	6.530	8.912	0.839	1.811
#3	174.1	38.02	37.83	1.957	1.073	26.05	6.571	8.981	0.881	1.811

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	2.738	.4570	.6612	5.953	1.903	8.412	.6737
Stddev	.002	.0016	.0016	.015	.003	.0013	.0017
%RSD	.0655	.3545	.2437	.2462	.1536	.1508	.2539

#1	2.739	.4588	.6630	5.962	1.901	8.403	.6735
#2	2.736	.4567	.6607	5.962	1.906	8.426	.6720
#3	2.738	.4556	.6599	5.937	1.901	8.405	.6755

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2433.5	7182.7	53243.	6554.4
Stddev	2.3	9.2	241.	17.3
%RSD	.09515	.12752	.45262	.26318

#1	2431.1	7177.9	53307.	6557.9
#2	2433.8	7193.2	52977.	6535.6
#3	2435.7	7176.9	53446.	6569.6

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Sample Name: FA31931-10 Acquired: 4/7/2016 14:34:04 Type: Unk
Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 5.00000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0053	171.7	.0251	.9527	.0047	10.89	-.0007	.0332	.2993	.1292
Stddev	.0016	.7	.0021	.0020	.0002	.03	.0002	.0003	.0034	.0007
%RSD	29.98	.4353	8.360	.2093	3.371	2.671	23.06	1.046	1.124	.5617

#1	.0037	171.8	.0272	.9548	.0047	10.86	-.0006	.0329	.3028	.1301
#2	.0054	171.0	.0253	.9508	.0045	10.88	-.0009	.0333	.2989	.1288
#3	.0068	172.5	.0230	.9524	.0048	10.92	-.0008	.0336	.29	

Sample Name: FA31931-13 Acquired: 4/7/2016 14:38:10 Type: Unk Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 5.00000 User: admin SSTRACE02: Custom ID2: Custom ID3: Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stdev, %RSD, #1, #2, #3). Includes Int. Std. section at the bottom.

Sample Name: FA31931-16 Acquired: 4/7/2016 14:42:16 Type: Unk Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 5.00000 User: admin SSTRACE02: Custom ID2: Custom ID3: Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stdev, %RSD, #1, #2, #3). Includes Int. Std. section at the bottom.

Sample Name: FA31931-20 Acquired: 4/7/2016 14:46:22 Type: Unk Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 5.00000 User: admin SSTRACE02: Custom ID2: Custom ID3: Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stdev, %RSD, #1, #2, #3). Includes Int. Std. section at the bottom.

Sample Name: FA31931-23 Acquired: 4/7/2016 14:50:29 Type: Unk Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 5.00000 User: admin SSTRACE02: Custom ID2: Custom ID3: Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stdev, %RSD, #1, #2, #3). Includes Int. Std. section at the bottom.

7.3 7

Sample Name: CCV Acquired: 4/7/2016 14:54:34 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2510	40.48	1.992	2.056	2.008	40.33	2.042	2.038	2.050	2.025
Stddev	.0008	.08	.002	.001	.003	.11	.001	.001	.006	.003
%RSD	.3262	.2078	.0740	.0320	.1498	.2784	.0544	.0621	.3058	.1525
#1	2516	40.45	1.992	2.056	2.009	40.38	2.041	2.037	2.055	2.029
#2	2500	40.57	1.990	2.056	2.011	40.41	2.043	2.037	2.053	2.024
#3	2513	40.41	1.993	2.057	2.005	40.20	2.043	2.039	2.043	2.023

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.01	40.99	39.46	2.060	2.018	41.01	2.026	1.992	2.010	2.008
Stddev	.05	.06	.09	.004	.005	.10	.001	.003	.004	.006
%RSD	.1258	.1495	.2402	.2031	.2308	.2379	.0535	.1255	.1889	.3065
#1	38.95	41.03	39.44	2.065	2.014	41.06	2.025	1.989	2.009	2.006
#2	39.02	41.03	39.57	2.058	2.019	41.08	2.026	1.994	2.006	2.002
#3	39.05	40.92	39.39	2.057	2.023	40.90	2.027	1.993	2.014	2.014

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.086	2.008	2.070	2.063	2.016	2.025	2.028
Stddev	.002	.000	.003	.003	.002	.006	.002
%RSD	.0966	.0187	.1495	.1532	.0977	.2981	.0722
#1	2.086	2.007	2.072	2.065	2.018	2.032	2.027
#2	2.085	2.008	2.072	2.065	2.016	2.020	2.030
#3	2.089	2.008	2.066	2.059	2.015	2.024	2.028

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 4/7/2016 14:58:31 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0158	-.0002	.0000	.0001	.0244	.0000	.0001	.0000
Stddev	.0005	.0036	.0003	.0002	.0001	.0017	.0000	.0000	.0004
%RSD	298.1	22.77	168.8	482.4	135.6	6.814	169.1	14.58	2084.
#1	.0003	.0133	-.0004	.0001	.0000	.0263	.0000	.0002	.0004
#2	-.0004	.0199	-.0003	.0001	.0001	.0232	.0000	.0001	-.0001
#3	.0006	.0142	.0002	-.0002	.0001	.0237	.0000	.0001	-.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0262	-.0012	.0135	.0003	F.0012	.0062	.0002	-.0001
Stddev	.0001	.0091	.0163	.0102	.0000	.0006	.0111	.0001	.0001
%RSD	25.68	34.66	1415.	75.27	13.64	48.56	179.9	72.90	115.8
#1	.0003	.0364	-.0115	.0136	.0003	.0018	.0118	.0001	-.0002
#2	.0006	.0229	.0177	.0236	.0002	.0012	-.0066	.0003	-.0001
#3	.0005	.0192	-.0096	.0033	.0003	.0007	.0132	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0009	.0057	.0004	.0001	.0010	-.0009	.0001	.0008
Stddev	.0002	.0009	.0002	.0001	.0001	.0001	.0005	.0001	.0000
%RSD	431.3	94.86	3.448	27.74	101.7	9.813	51.14	90.22	.4226
#1	-.0001	.0001	.0056	.0004	.0001	.0011	-.0009	.0001	.0008
#2	.0000	.0019	.0057	.0003	.0001	.0011	-.0005	.0003	.0008
#3	.0003	.0008	.0060	.0005	.0000	.0009	-.0015	.0001	.0008

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCV Acquired: 4/7/2016 14:54:34 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2231.1	6817.7	51423.	6393.9
Stddev	2.8	9.2	125.	9.3
%RSD	.12655	.13498	.24334	.14530
#1	2234.3	6825.0	51288.	6396.4
#2	2229.1	6820.8	51445.	6383.6
#3	2229.9	6807.4	51536.	6401.6

Sample Name: CCB Acquired: 4/7/2016 14:58:31 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2564.5	6987.4	52428.	6358.1
Stddev	2.8	6.6	124.	26.5
%RSD	.11043	.09440	.23572	.41720
#1	2562.1	6994.9	52292.	6383.4
#2	2567.6	6984.8	52459.	6360.5
#3	2563.9	6982.5	52533.	6330.5

Sample Name: FA31931-26 Acquired: 4/7/2016 15:02:44 Type: Unk Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 5.000000 User: admin SSTRACE02: Custom ID2: Custom ID3: Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3) for various elements.

Sample Name: FA31931-29 Acquired: 4/7/2016 15:06:49 Type: Unk Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 5.000000 User: admin SSTRACE02: Custom ID2: Custom ID3: Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3) for various elements.

Sample Name: CRIA Acquired: 4/7/2016 15:10:54 Type: Unk Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000 User: admin SSTRACE02: Custom ID2: Custom ID3: Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3) for various elements.

Sample Name: ICSA Acquired: 4/7/2016 15:14:59 Type: Unk Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000 User: admin SSTRACE02: Custom ID2: Custom ID3: Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3) for various elements.

Sample Name: ICSA Acquired: 4/7/2016 15:14:59 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1973.8	6242.3	46534.	6109.6
Stddev	3.6	5.5	115.	11.9
%RSD	.18287	.08747	.24642	.19552
#1	1975.3	6239.2	46404.	6112.8
#2	1969.7	6239.0	46619.	6119.5
#3	1976.4	6248.6	46580.	6096.3

Sample Name: ICSAB Acquired: 4/7/2016 15:19:19 Type: Unk
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F.9885	F.505.2	1.104	.5243	.4913	474.7	9667	.4803	.5070
Stddev	.0009	4.0	.002	.0017	.0024	.9	.0013	.0005	.0004
%RSD	.0877	.7997	.2008	.3286	.4960	.1997	.1301	.1135	.0817
#1	.9895	501.7	1.102	.5238	.4909	473.8	9652	.4799	.5075
#2	.9879	509.6	1.103	.5262	.4939	474.6	9676	.4802	.5067
#3	.9881	504.2	1.106	.5228	.4890	475.7	9671	.4810	.5068
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5400	180.5	-.0112	F.508.7	.5106	.9627	1.157	.9613	.9481
Stddev	.0005	.7	.0077	2.7	.0007	.0017	.0043	.0013	.0037
%RSD	.0929	.3612	68.89	.5284	.1425	.1802	3.694	.1307	.3875
#1	.5406	180.0	-.0161	507.7	.5111	.9607	1.175	.9599	.9513
#2	.5397	181.3	-.0151	511.8	.5109	.9637	1.188	.9622	.9441
#3	.5397	180.2	-.0023	506.6	.5098	.9638	1.108	.9619	.9488
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.038	1.036	.1161	.9482	1.036	1.038	.9760	.4729	.9609
Stddev	.003	.003	.0007	.0020	.005	.002	.0017	.0005	.0012
%RSD	.3100	.2365	.5734	.2059	.4705	.2125	.1787	.1029	.1287
#1	1.035	1.038	.1168	.9462	1.034	1.039	.9780	.4732	.9597
#2	1.038	1.033	.1158	.9501	1.041	1.039	.9752	.4732	.9621
#3	1.042	1.037	.1156	.9484	1.032	1.036	.9749	.4724	.9610
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1936.7	6210.4	46549.	6150.3					
Stddev	4.4	6.1	128.	29.1					
%RSD	.22922	.09901	.27519	.47356					
#1	1932.9	6217.4	46489.	6178.5					
#2	1935.6	6206.3	46462.	6120.3					
#3	1941.6	6207.4	46696.	6152.0					

7.3
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Sample Name: CCV Acquired: 4/7/2016 15:23:34 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2506	40.24	1.999	2.055	2.001	40.09	2.045	2.041	2.039	2.028
Stddev	.0001	.13	.000	.003	.007	.19	.002	.001	.001	.003
%RSD	.0560	.3160	.0217	.1613	.3475	.4656	.0982	.0482	.0459	.1286
#1	.2506	40.32	1.999	2.054	2.002	40.22	2.047	2.042	2.038	2.026
#2	.2507	40.31	1.999	2.058	2.008	40.17	2.043	2.040	2.040	2.031
#3	.2504	40.09	1.999	2.052	1.994	39.88	2.044	2.041	2.039	2.029

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.03	40.82	39.28	2.055	2.022	40.87	2.028	1.998	2.015	2.014
Stddev	.05	.10	.16	.003	.004	.15	.003	.003	.003	.002
%RSD	.1257	.2448	.4115	.1543	.1763	.3556	.1592	.1725	.1656	.1018
#1	39.06	40.87	39.40	2.052	2.019	40.97	2.031	2.002	2.017	2.016
#2	39.06	40.88	39.35	2.058	2.021	40.93	2.025	1.995	2.011	2.012
#3	38.97	40.70	39.10	2.054	2.026	40.70	2.026	1.997	2.018	2.014

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.091	2.007	2.063	2.062	2.019	2.016	2.029
Stddev	.003	.004	.005	.004	.002	.003	.004
%RSD	.1274	.2046	.2262	.1709	.0948	.1490	.1721
#1	2.094	2.012	2.061	2.058	2.020	2.013	2.033
#2	2.089	2.004	2.069	2.065	2.017	2.018	2.027
#3	2.092	2.004	2.060	2.062	2.019	2.019	2.027

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Sample Name: CCV Acquired: 4/7/2016 15:23:34 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2217.2	6780.1	51414.	6365.8
Stddev	1.3	2.2	132.	46.3
%RSD	.05860	.03223	.25586	.72758
#1	2215.7	6777.6	51367.	6312.6
#2	2218.1	6781.6	51312.	6388.0
#3	2217.8	6781.1	51562.	6396.8

Sample Name: CCB Acquired: 4/7/2016 15:27:30 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.005	.0090	.0000	.0001	.0000	.0276	.0000	.0001	.0000
Stddev	.0003	.0068	.000	.0000	.0000	.0007	.000	.0000	.0001
%RSD	55.27	75.60	1248.	38.13	226.1	2.573	58.03	37.55	351.0
#1	-.0002	.0019	-.0004	.0001	.0000	.0269	.0000	.0001	.0000
#2	-.0007	.0154	.0001	.0001	.0000	.0283	.0000	.0001	.0001
#3	-.0004	.0096	.0002	.0000	.0001	.0276	.0000	.0001	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0349	.0070	.0238	.0002	F.0013	-.0018	.0001	-.0005
Stddev	.0001	.0130	.0104	.0070	.0000	.0007	.0055	.0001	.0003
%RSD	21.25	37.36	148.2	29.24	2.876	51.99	299.2	64.24	63.76
#1	.0003	.0493	.0185	.0248	.0002	.0020	-.0048	.0001	-.0009
#2	.0005	.0313	.0041	.0164	.0002	.0013	-.0053	.0002	-.0002
#3	.0005	.0240	-.0016	.0302	.0002	.0006	.0045	.0001	-.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0005	.0057	.0004	.0000	.0007	.0001	.0002	.0008
Stddev	.0008	.0009	.0001	.0002	.000	.0001	.0005	.0002	.0000
%RSD	266.8	175.3	2.087	60.21	1561.	15.46	334.8	103.0	3.576
#1	.0001	-.0005	.0055	.0006	.0001	.0008	.0006	.0001	.0008
#2	-.0004	.0007	.0057	.0003	.0000	.0008	-.0004	.0004	.0008
#3	.0011	.0013	.0058	.0002	-.0001	.0006	.0003	.0001	.0008

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/7/2016 15:27:30 Type: QC
 Method: 60102007_041712(v58) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2572.1	6991.9	52512.	6249.7
Stddev	6.9	7.3	259.	11.3
%RSD	.26968	.10381	.49262	.18097
#1	2573.0	6996.7	52410.	6236.8
#2	2578.6	6995.5	52319.	6254.9
#3	2564.8	6983.6	52806.	6257.5

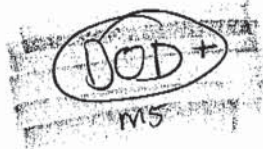
Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	3	V	-0.009834	0.000000	No
			Fe	-0.000014	0.000000	No
			Mg	0.000008	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.035224	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	5	Fe	-0.000081	0.000000	No
			Cr	-0.000226	0.000000	No
			Mo	-0.000017	0.000000	No
			Al	0.000004	0.000000	No
			Ca	0.000002	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000005	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000115	0.000000	No
			Ti	-0.000059	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000100	0.000000	No
			Ca	0.000001	0.000000	No
			Al	-0.000001	0.000000	No
			Ti	0.000151	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.003012	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	3	Fe	-0.000001	0.000000	No
			Al	0.000005	0.000000	No
			Fe	-0.000012	0.000000	No
			Ca	0.000002	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Fe	-0.000284	0.000000	No
			Ca	0.000002	0.000000	No
			Mo	0.000528	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Ti	-0.000251	0.000000	No
			Al	0.000004	0.000000	No
			Mg	0.000047	0.000000	No
			Co	-0.000787	0.000000	No
			Cd	0.000240	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}*	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	-0.000001	0.000000	No
			Mg	0.000004	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000021	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000051	0.000000	No
			Co	-0.000054	0.000000	No
			Mo	0.000005	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000269	0.000000	No
			Ti	0.000440	0.000000	No
			Pb 220.353 {453}	<input checked="" type="checkbox"/>	9	Al
			Fe	-0.000283	0.000000	No
			Mo	-0.001012	0.000000	No
			Cu	0.001070	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000071	0.000000	No
			Ca	-0.000001	0.000000	No
			Cr	0.000050	0.000000	No
			Mg	0.000004	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?			
Sb 206.833 {463}	<input checked="" type="checkbox"/>	10	Fe	0.000004	0.000000	No			
			Cr	0.012140	0.000000	No			
			Mo	-0.004076	0.000000	No			
			V	-0.000611	0.000000	No			
			Sn	-0.010736	0.000000	No			
			Ti	0.000040	0.000000	No			
			Ca	-0.000001	0.000000	No			
			Ni	-0.000438	0.000000	No			
			Mg	-0.000002	0.000000	No			
			Al	0.000003	0.000000	No			
Se 196.090 {472}	<input checked="" type="checkbox"/>	10	Fe	-0.000014	0.000000	No			
			Ca	-0.000001	0.000000	No			
			Mn	0.000574	0.000000	No			
			Mo	0.000111	0.000000	No			
			Al	-0.000010	0.000000	No			
			V	0.000000	0.000000	No			
			Zn	0.000000	0.000000	No			
			Sr	0.000137	0.000000	No			
			As	-0.000032	0.000000	No			
			Be	0.000212	0.000000	No			
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.019120	0.000000	No			
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None							
Sr 407.771 { 83}	<input checked="" type="checkbox"/>	1	Ca	0.000017	0.000000	No			
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000007	0.000000	No			
Ti 190.856 {477}	<input checked="" type="checkbox"/>	11	Co	0.001145	0.000000	No			
			Fe	-0.000004	0.000000	No			
			Al	-0.000011	0.000000	No			
			Ba	-0.000051	0.000000	No			
			Ti	-0.002651	0.000000	No			
			Sb	0.000012	0.000000	No			
			Ca	0.000003	0.000000	No			
			Cr	0.000230	0.000000	No			
			Mg	-0.000003	0.000000	No			
			Mn	0.000818	0.000000	No			
			V	-0.038621	0.000000	No			
			V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000008	0.000000	No
						Cr	-0.002590	0.000000	No
						Mo	-0.005797	0.000000	No
Ti	0.000364	0.000000				No			
Mn	-0.000693	0.000000				No			
Y 224.306 {450}* Y 360.073 { 94}* Y 371.030 { 91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5							
Zn 206.200 {463}	<input checked="" type="checkbox"/>	5	Cr	-0.000965	0.000000	No			
			Al	0.000005	0.000000	No			
			Ca	0.000003	0.000000	No			
			Fe	0.000006	0.000000	No			
			As	0.001128	0.000000	No			

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	4/7/2016 9:40:30	4/7/2016 9:00:38	Linear	1/Conc	-0.001278	0.601462	0.000000	1.000000
Al 396.152 { 85}	4/7/2016 9:40:30	4/7/2016 9:00:38	Linear	1/Conc	-0.000830	0.162993	0.000000	1.000000
As 189.042 {478}	4/7/2016 9:40:30	4/7/2016 9:00:38	Linear	1/Conc	-0.000414	0.223150	0.000000	1.000000
Ba 455.403 { 74}	4/7/2016 9:40:30	4/7/2016 9:00:38	Linear	1/Conc	0.011493	12.534575	0.000000	1.000000
Be 313.042 {108}	4/7/2016 9:40:30	4/7/2016 9:00:38	Linear	1/Conc	-0.000024	9.414798	0.000000	1.000000
Ca 317.933 {106}	4/7/2016 9:40:30	4/7/2016 9:00:38	Linear	1/Conc	0.006054	0.273251	0.000000	1.000000
Cd 226.502 {449}	4/7/2016 9:40:30	4/7/2016 9:00:38	Linear	1/Conc	-0.000323	4.892920	0.000000	1.000000
Co 228.616 {447}	4/7/2016 9:40:30	4/7/2016 9:00:38	Linear	1/Conc	0.000018	2.377075	0.000000	1.000000
Cr 267.716 {126}	4/7/2016 9:40:30	4/7/2016 9:00:38	Linear	1/Conc	0.000026	0.416166	0.000000	1.000000
Cu 324.754 {104}	4/7/2016 9:40:30	4/7/2016 9:00:38	Linear	1/Conc	0.004438	0.695427	0.000000	1.000000
Fe 259.940 {130}	4/7/2016 9:40:30	4/7/2016 9:00:38	Linear	1/Conc	0.003063	0.188217	0.000000	1.000000
In 230.606 {446}	4/7/2016 9:40:30	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	4/7/2016 9:40:30	4/7/2016 9:00:38	Linear	1/Conc	0.010903	0.137115	0.000000	1.000000
Mg 279.079 {121}	4/7/2016 9:40:30	4/7/2016 9:00:38	Linear	1/Conc	-0.000315	0.026950	0.000000	1.000000
Mn 257.610 {131}	4/7/2016 9:40:30	4/7/2016 9:00:38	Linear	1/Conc	0.000333	2.844142	0.000000	1.000000
Mo 202.030 {467}	4/7/2016 9:40:30	4/7/2016 9:00:38	Linear	1/Conc	0.001419	1.255545	0.000000	1.000000
Na 589.592 { 57}	4/7/2016 9:40:30	4/7/2016 9:00:38	Linear	1/Conc	-0.005338	0.389146	0.000000	1.000000
Ni 231.604 {445}	4/7/2016 9:40:30	4/7/2016 9:00:38	Linear	1/Conc	-0.000067	1.521866	0.000000	1.000000
Pb 220.353 {453}	4/7/2016 9:40:30	4/7/2016 9:00:38	Linear	1/Conc	-0.001295	1.412697	0.000000	1.000000
Sb 206.833 {463}	4/7/2016 9:40:30	4/7/2016 9:00:38	Linear	1/Conc	0.000497	0.259606	0.000000	1.000000
Se 196.090 {472}	4/7/2016 9:40:30	4/7/2016 9:00:38	Linear	1/Conc	0.000144	0.158971	0.000000	1.000000
Si 212.412 {459}	4/7/2016 9:40:30	4/7/2016 9:00:38	Linear	1/Conc	0.005904	0.387385	0.000000	1.000000
Sn 189.989 {477}	4/7/2016 9:40:30	4/7/2016 9:00:38	Linear	1/Conc	0.000156	0.469451	0.000000	1.000000
Sr 407.771 { 83}	4/7/2016 9:40:30	4/7/2016 9:00:38	Linear	1/Conc	0.003540	17.157144	0.000000	1.000000
Ti 334.941 {101}	4/7/2016 9:40:30	4/7/2016 9:00:38	Linear	1/Conc	0.001415	1.895396	0.000000	1.000000
Tl 190.856 {477}	4/7/2016 9:40:30	4/7/2016 9:00:38	Linear	1/Conc	-0.003889	0.668835	0.000000	1.000000
V 292.402 {115}	4/7/2016 9:40:30	4/7/2016 9:00:38	Linear	1/Conc	-0.000343	0.630073	0.000000	1.000000
Y 224.306 {450}	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	4/7/2016 9:40:30	4/7/2016 9:00:38	Linear	1/Conc	0.002108	2.924770	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999998	0.000011	0.000357	0.001189	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999761	0.005753	0.008816	0.029386	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999952	0.000176	0.000611	0.002037	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999946	0.010485	0.000162	0.000539	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999963	0.006488	0.000060	0.000201	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999626	0.012044	0.002512	0.008375	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999976	0.002708	0.000042	0.000140	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999985	0.001042	0.000093	0.000309	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999942	0.000360	0.000285	0.000951	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999995	0.000170	0.000254	0.000848	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999477	0.009805	0.001902	0.006339	OK	1.000000	0.000000	1	0
In 230.606 {446}	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999862	0.003667	0.021279	0.070931	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999627	0.001186	0.015825	0.052751	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999765	0.004971	0.000039	0.000131	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	1.000000	0.000077	0.000112	0.000374	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999771	0.013417	0.007365	0.024548	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999964	0.001040	0.000145	0.000483	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999856	0.001936	0.000438	0.001462	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999970	0.000161	0.000835	0.002784	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999977	0.000086	0.001294	0.004312	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.999747	0.000716	0.000397	0.001325	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999926	0.000461	0.000241	0.000804	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999933	0.016028	0.000071	0.000235	OK	1.000000	0.000000	1	0
Tl 334.941 {101}	0.999897	0.002193	0.000103	0.000342	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999966	0.000425	0.000594	0.001981	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999968	0.000405	0.000245	0.000816	OK	1.000000	0.000000	1	0
Y 224.306 {450}	0.000000	0.000000	-1.000000	1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}	0.000000	0.000000	-1.000000	1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}	0.000000	0.000000	-1.000000	1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999970	0.001835	0.000051	0.000171	OK	1.000000	0.000000	1	0

Accutest Laboratories SE Metals Digestion Log Water



Method of digestion(circle one): SW846-3010A / SW846-3005A / EPA 200.7 / SM3030C

MP #: 30076
 Prep Date/Time (mm/dd/yy 24:00): 03.08.16/0730
 HotBlock I.D. 5
 Thermometer I.D. 204
 Correction Factor (°C) -1
 Temperature Observed/Corrected (°C) 93.92
 Added^B: HNO₃
 Lot# 1115080

Volume
 Spk. Sol. ^A Used(ml) Pipette #
ACC920 0.50 10
ACC894 0.25 10
MET5330 0.25 10
 Dig. Tube Lot#: J22026A-261
 HCL
4115050

Sample #	Initial Volume(ml)	pH<2	Final Volume(ml)	Comments
Method Blank(MB)	50	N/A	50	
Spike Blank(SB)		N/A		
Matrix Spike(MS)		✓		
Matrix Spike Dup(MSD)		✓		
Duplicate(DUP)		✓		
1 QC ^C FA31919-1 91		✓		
2 FA31888-1 8		✓		
3 -4 4		✓		
4 -5 8		✓		
5 -6 10		✓		
6 -7 6		✓		
7 -8 6		✓		
8 -9 10		✓		
9 -10 6		✓		
10 -11 8		✓		
11 ✓ -12 10		✓		
12 FA31890-9 2		✓		
13 FA31929-31 1		✓		
14 FA31931-32 1		✓		
15 FA31932-4 3		✓		
16 FA31908-1 10		✓		
17 -3 10		✓		
18 ✓ -4 10		✓		
19 FA31923-1 7		✓		
20 ✓ -2 7	✓	✓	✓	
21 ^E				
22 ^E				
23 ^E				
24 ^E				

Analyst: James Jaurano Jr. Date: 03.08.16
 QC Review: JJC Date: 3.8.16

A Used for SB, MS, MSD
 B For reagent volumes used consult SOP MET 103, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional matrix QC
 icpwaterdigestionlog091113.xls Rev 01/20/10 DM

7.4.1
7

Accutest Laboratories SE Metals Digestion Log Soil

5g
DRY sieve

MP #: 30214

Method of Digestion: SW846-3050B

DOD
(MS)

Prep Date/Time (mm/dd/yy 24:00): 4/6/16 10:13
 HotBlock I.D. 6974CERCW3279
 Thermometer I.D. 213
 Correction Factor (°C) -1
 Temperature Observed/Corrected (°C) 93, 92
 Balance I.D. ADVPRO3

Spk. Sol. ^	Volume Used (ml)	Pipette #
Acc 938	1.00	10
Acc 894	0.50	10
Met 5361	0.50	10

Filter Lot#: 150928009
 Dig. Tube Lot# 1504103

Added^B:
 Lot# H₂O₂ 157487 HNO₃ 115100 HCL 4115080 PTFE Boiling Chips R203-SK012

Sample #	Wt. g	Final Volume (ml)	Comments
Method Blank (MB)	5.00	100.0	
Spike Blank (SB)	5.00		
Matrix Spike (MS)	5.34		
Matrix Spike Dup (MSD)	5.31		
Duplicate (DUP)	5.02		
1 QC ^C FA 31672-18 ^{D1}	5.28		
2 D2- FA 31672-18	5.27		
3 ↓ 21	5.34		
4 ↓ 24	5.36		
5 FA 31929-1	5.32		
6 ↓ 5	5.27		
7 ↓ 8	5.39		
8 ↓ 12	5.20		
9 ↓ 15	5.27		
10 ↓ 18	5.09		
11 ↓ 21	5.09		
12 ↓ 22	5.02		
13 ↓ 25	5.10		
14 ↓ 28	5.02		
15 ↓ 32	5.26		
16 ↓ 35	5.25		
17 ↓ 38	5.09		
18 FA 31931-1	5.30		
19 ↓ 4 ↓	5.27		
20			
21 ^E			
22 ^E			
23 ^E			
24 ^E			

Analyst: 213
 QC Review: [Signature]

Date: 4/6/16
 Date: 4-6-16

A Used for SB, MS, MSD
 B For reagent volumes used consult SOP MET 104, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional Matrix QC

icpsoidigestionlog012010.xls

Rev 01/20/10 DM

7.4.2
7

5g
DRYSIEVE

Accutest Laboratories SE Metals Digestion Log Soil

MP #: 30219

Method of Digestion: SW846-3050B

DOD (MS)

Prep Date/Time (mm/dd/yy 24:00): 4/7/10 8:46 Spk. Sol. ^A Volume Used (ml) Pipette #
 HotBlock I.D. 6974CEC.W3279 ACC938 *0.50 1.00 10
 Thermometer I.D. 213 ACC924 0.50 10
 Correction Factor (°C) -1 METS341 0.50 10
 Temperature Observed/Corrected (°C) 96.95 Filter Lot#: 150928009
 Balance I.D. ADVPRO3 Dig. Tube Lot# *1504103
 Added ^B: H₂O₂ HNO₃ HCL PTFE Boiling Chips
 Lot# 1574B7 111S100 411S080 R263-5K012

Sample #	Wt. g	Final Volume (ml)	Comments
Method Blank (MB)	5.00	100.0	
Spike Blank (SB)	5.00		
Matrix Spike (MS)	5.04		
Matrix Spike Dup (MSD)	5.31		
Duplicate (DUP)	5.39		
1 QC ^C FA31931-7 ^{D1}	5.25		
2 D2 = FA31931-7	5.28		
3 10	5.08		
4 13	5.29		
5 16	5.32		
6 20	5.20		
7 23	5.14		
8 26	5.25		
9 29	5.20		
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21 ^E			
22 ^E			
23 ^E			
24 ^E			

Analyst: R. B. [Signature]
 QC Review: [Signature]

Date: 4/7/10
 Date: 4-7-10'

- A Used for SB, MS, MSD
- B For reagent volumes used consult SOP MET 104, current revision
- C Parent sample used to prepare MS, MSD, DUP
- D Bottle Number
- E Additional Matrix QC

icpsoidigestionlog012010.xls

Rev 01/20/10 DM

* DB 4/7/10

7.4.3
7

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VERIFICATION, TESTING AND CERTIFICATION COMPANY.*e-Hardcopy 2.0*
*Automated Report***Technical Report for****Kemron Environmental Services, Inc**

Ft Ord; CA

07202.2001

SGS Accutest Job Number: FA31932

Sampling Date: 03/01/16

Report to:**Kemron Environmental Services, Inc**
4522 Joe Lloyd Way
Monterey, CA 93944
emiddleditch@gilbaneco.com

ATTN: Eric Middleditch

Total number of pages in report: 342

Test results contained within this data package meet the requirements
of the National Environmental Laboratory Accreditation Program
and/or state specific certification programs as applicable.**Norm Farmer**
Technical Director**Client Service contact: Sue Bell 407-425-6700**Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001)
DoD ELAP (L-A-B L2229), CA (2937), TX (T104704404), PA (68-03573), VA (460177),
AK, AR, GA, KY, MA, NV, OK, UT, WA

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Test results relate only to samples analyzed.

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Sample Summary

Kemron Environmental Services, Inc

Job No: FA31932

Ft Ord; CA

Project No: 07202.2001

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
FA31932-1	03/01/16	08:20 TWRP	03/03/16	SO	Soil	02-17SC0000
FA31932-1A	03/01/16	08:20 TWRP	03/03/16	SO	Soil	02-17SC0000
FA31932-2	03/01/16	08:40 TWRP	03/03/16	SO	Soil	02-17SC0001
FA31932-3	03/01/16	08:50 TWRP	03/03/16	SO	Soil	02-17SC0002
FA31932-4	03/01/16	09:12 TWRP	03/03/16	AQ	Equipment Blank	02-ER08SC
FA31932-5	03/01/16	10:23 TWRP	03/03/16	SO	Soil	07-08SC0000
FA31932-5A	03/01/16	10:23 TWRP	03/03/16	SO	Soil	07-08SC0000
FA31932-6	03/01/16	10:41 TWRP	03/03/16	SO	Soil	07-08SC0001
FA31932-7	03/01/16	10:53 TWRP	03/03/16	SO	Soil	07-08SC0002
FA31932-8	03/01/16	12:32 TWRP	03/03/16	SO	Soil	07-11SC0000
FA31932-9	03/01/16	12:32 TWRP	03/03/16	SO	Soil	07-11SC0000Q
FA31932-10	03/01/16	12:46 TWRP	03/03/16	SO	Soil	07-11SC0001
FA31932-11	03/01/16	12:46 TWRP	03/03/16	SO	Soil	07-11SC0001Q

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary

(continued)

Kemron Environmental Services, Inc

Job No: FA31932

Ft Ord; CA

Project No: 07202.2001

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
FA31932-12	03/01/16	13:00	TWRP 03/03/16	SO	Soil	07-11SC0002
FA31932-13	03/01/16	13:00	TWRP 03/03/16	SO	Soil	07-11SC0002Q
FA31932-14	03/01/16	10:35	TWRP 03/03/16	SO	Soil	07-05SC0000
FA31932-14A	03/01/16	10:35	TWRP 03/03/16	SO	Soil	07-05SC0000
FA31932-15	03/01/16	10:55	TWRP 03/03/16	SO	Soil	07-05SC0001
FA31932-16	03/01/16	11:10	TWRP 03/03/16	SO	Soil	07-05SC0002
FA31932-17	03/01/16	09:45	TWRP 03/03/16	SO	Soil	07-18SC0000
FA31932-17A	03/01/16	09:45	TWRP 03/03/16	SO	Soil	07-18SC0000
FA31932-18	03/01/16	10:00	TWRP 03/03/16	SO	Soil	07-18SC0001
FA31932-19	03/01/16	10:15	TWRP 03/03/16	SO	Soil	07-18SC0002
FA31932-20	03/01/16	12:15	TWRP 03/03/16	SO	Soil	07-19SC0000
FA31932-20A	03/01/16	12:15	TWRP 03/03/16	SO	Soil	07-19SC0000
FA31932-21	03/01/16	12:30	TWRP 03/03/16	SO	Soil	07-19SC0001

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary

(continued)

Kemron Environmental Services, Inc

Job No: FA31932

Ft Ord; CA

Project No: 07202.2001

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
FA31932-22	03/01/16	12:45	TWRP 03/03/16	SO	Soil	07-19SC0002
FA31932-23	03/01/16	13:10	TWRP 03/03/16	SO	Soil	07-17SC0000
FA31932-23A	03/01/16	13:10	TWRP 03/03/16	SO	Soil	07-17SC0000
FA31932-24	03/01/16	13:25	TWRP 03/03/16	SO	Soil	07-17SC0001
FA31932-25	03/01/16	13:40	TWRP 03/03/16	SO	Soil	07-17SC0002
FA31932-26	03/01/16	14:35	TWRP 03/03/16	SO	Soil	10-24SC0000
FA31932-26A	03/01/16	14:35	TWRP 03/03/16	SO	Soil	10-24SC0000
FA31932-27	03/01/16	14:50	TWRP 03/03/16	SO	Soil	10-24SC0001
FA31932-28	03/01/16	15:05	TWRP 03/03/16	SO	Soil	10-24SC0002
FA31932-29	03/01/16	15:01	TWRP 03/03/16	SO	Soil	10-09SC0000
FA31932-29A	03/01/16	15:01	TWRP 03/03/16	SO	Soil	10-09SC0000
FA31932-30	03/01/16	15:12	TWRP 03/03/16	SO	Soil	10-09SC0001
FA31932-31	03/01/16	15:23	TWRP 03/03/16	SO	Soil	10-09SC0002

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

2

Client: Kemron Environmental Services, Inc

Job No: FA31932

Site: Ft Ord; CA

Report Date: 4/13/2016 12:55:37

11 Sample(s) were collected on 03/01/2016 and were received at SGS Accutest Southeast (SASE) on 03/03/2016 properly preserved, at 4 Deg. C and intact. These Samples received an SASE job number of FA31932. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Extractables by GC By Method SW846 8330B

Matrix: AQ **Batch ID:** OP59619

All samples were extracted within the recommended method holding time.
All samples were analyzed within the recommended method holding time.
All method blanks for this batch meet method specific criteria.
OP59619-BS: Insufficient sample for MS/MSD.

Matrix: SO **Batch ID:** OP59710

All samples were extracted within the recommended method holding time.
All samples were analyzed within the recommended method holding time.
All method blanks for this batch meet method specific criteria.
Sample(s) FA31932-1MS, FA31932-1MSD, FA31932-5DUP were used as the QC samples indicated.

Matrix: SO **Batch ID:** OP59713

All samples were extracted within the recommended method holding time.
All samples were analyzed within the recommended method holding time.
All method blanks for this batch meet method specific criteria.
Sample(s) FA31932-23MS, FA31932-23MSD, FA31932-29DUP were used as the QC samples indicated.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP30076

All samples were digested within the recommended method holding time.
All samples were analyzed within the recommended method holding time.
All method blanks for this batch meet method specific criteria.
Sample(s) FA31919-1DUP, FA31919-1MS, FA31919-1MSD, FA31919-1PS, FA31919-1SDL were used as the QC samples for metals.

Matrix: SO **Batch ID:** MP30234

All samples were digested within the recommended method holding time.
All samples were analyzed within the recommended method holding time.
All method blanks for this batch meet method specific criteria.
Sample(s) FA31884-1ADUP, FA31884-1AMSD, FA31884-1ASDL, FA31884-1APS were used as the QC samples for metals.
Matrix Spike Recovery(s) for Lead are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
Matrix Spike Recovery(s) for Lead are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
MP30234-PS1 for Lead: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Kim Benham, Client Services (signature on file)

Date: April 13, 2016

Wednesday, April 13, 2016

Page 1 of 4

Manual Integration Summary



Lab Sample ID	Analysis Type	File ID	Manual Integrations
FA31932-17	GCSEMI	BB050416.D	3,4-Dinitrotoluene
FA31932-20	GCSEMI	BB050417.D	3,4-Dinitrotoluene
FA31932-4	GCSEMI	BB050336.D	3,4-Dinitrotoluene
FA31932-8	GCSEMI	BB050343.D	3,4-Dinitrotoluene
GBB1412-ECC1412	GCSEMI	BB049986.D	PETN
GBB1412-IC1412	GCSEMI	BB049966.D	1,3-Dinitrobenzene, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 3,4-Dinitrotoluene, 4-amino-2,6-Dinitrotoluene, DNX, HMX, m-Nitrotoluene, MNX, o-Nitrotoluene, p-Nitrotoluene, PETN, RDX, TNX
GBB1412-IC1412	GCSEMI	BB049967.D	1,3,5-Trinitrobenzene, 2,6-Dinitrotoluene, 3,4-Dinitrotoluene, HMX, m-Nitrotoluene, MNX, o-Nitrotoluene, p-Nitrotoluene, PETN, RDX, TNX
GBB1412-IC1412	GCSEMI	BB049968.D	HMX, m-Nitrotoluene, PETN, TNX
GBB1412-IC1412	GCSEMI	BB049971.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, TNX
GBB1412-ICC1412	GCSEMI	BB049970.D	HMX, PETN, TNX
GBB1412-ICV1412	GCSEMI	BB049973.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, TNX
GBB1413-CC1412	GCSEMI	BB049997.D	m-Nitrotoluene, PETN
GBB1413-CC1412	GCSEMI	BB050004.D	m-Nitrotoluene, o-Nitrotoluene, PETN
GBB1413-ECC1412	GCSEMI	BB050016.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1414-CC1412	GCSEMI	BB050018.D	m-Nitrotoluene, PETN
GBB1414-CC1412	GCSEMI	BB050029.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1414-ECC1412	GCSEMI	BB050039.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1415-CC1412	GCSEMI	BB050041.D	m-Nitrotoluene, PETN
GBB1415-CC1412	GCSEMI	BB050052.D	m-Nitrotoluene, PETN
GBB1415-ECC1412	GCSEMI	BB050062.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1416-CC1412	GCSEMI	BB050064.D	m-Nitrotoluene, PETN
GBB1416-CC1412	GCSEMI	BB050072.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1416-CC1412	GCSEMI	BB050084.D	m-Nitrotoluene, PETN
GBB1416-ECC1412	GCSEMI	BB050088.D	m-Nitrotoluene
GBB1417-CC1412	GCSEMI	BB050091.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1417-CC1412	GCSEMI	BB050099.D	m-Nitrotoluene, PETN
GBB1417-CC1412	GCSEMI	BB050111.D	m-Nitrotoluene, PETN
GBB1417-CC1412	GCSEMI	BB050123.D	m-Nitrotoluene, o-Nitrotoluene, PETN
GBB1417-ECC1412	GCSEMI	BB050127.D	m-Nitrotoluene, PETN
GBB1418-CC1412	GCSEMI	BB050129.D	m-Nitrotoluene, PETN
GBB1418-CC1412	GCSEMI	BB050134.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1418-CC1412	GCSEMI	BB050146.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1418-CC1412	GCSEMI	BB050156.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1418-CC1412	GCSEMI	BB050168.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1418-ECC1412	GCSEMI	BB050180.D	3,4-Dinitrotoluene, 4-amino-2,6-Dinitrotoluene, o-Nitrotoluene,
GBB1419-CC1412	GCSEMI	BB050182.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene
GBB1419-ECC1412	GCSEMI	BB050193.D	PETN
GBB1420-CC1412	GCSEMI	BB050195.D	PETN
GBB1420-CC1412	GCSEMI	BB050206.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1420-CC1412	GCSEMI	BB050218.D	PETN
GBB1420-ECC1412	GCSEMI	BB050230.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN

Manual Integration Summary



Lab Sample ID	Analysis Type	File ID	Manual Integrations
GBB1421-CC1412	GCSEMI	BB050235.D	HMX, m-Nitrotoluene, PETN, TNX
GBB1421-CC1412	GCSEMI	BB050246.D	PETN
GBB1421-CC1412	GCSEMI	BB050258.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1421-CC1412	GCSEMI	BB050267.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, TNX
GBB1421-CC1412	GCSEMI	BB050279.D	HMX, PETN, TNX
GBB1421-ECC1412	GCSEMI	BB050288.D	HMX, m-Nitrotoluene, o-Nitrotoluene, PETN, TNX
GBB1422-CC1412	GCSEMI	BB050290.D	m-Nitrotoluene, PETN
GBB1422-CC1412	GCSEMI	BB050301.D	m-Nitrotoluene, PETN
GBB1422-CC1412	GCSEMI	BB050313.D	m-Nitrotoluene, o-Nitrotoluene, PETN
GBB1422-CC1412	GCSEMI	BB050325.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1422-ECC1412	GCSEMI	BB050329.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1423-CC1412	GCSEMI	BB050331.D	HMX, TNX
GBB1423-CC1412	GCSEMI	BB050333.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, TNX
GBB1423-CC1412	GCSEMI	BB050344.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, TNX
GBB1423-CC1412	GCSEMI	BB050356.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, Tetryl, TNX
GBB1423-CC1412	GCSEMI	BB050367.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, Tetryl, TNX
GBB1423-CC1412	GCSEMI	BB050379.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, Tetryl, TNX
GBB1423-ECC1412	GCSEMI	BB050383.D	HMX, PETN, TNX
GBB1424-CC1412	GCSEMI	BB050385.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, Tetryl
GBB1424-CC1412	GCSEMI	BB050396.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, Tetryl
GBB1424-CC1412	GCSEMI	BB050408.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, Tetryl
GBB1424-CC1412	GCSEMI	BB050419.D	HMX, PETN
GBB1424-CC1412	GCSEMI	BB050430.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1424-ECC1412	GCSEMI	BB050439.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1425-CC1412	GCSEMI	BB050441.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, TNX
GBB1425-ECC1412	GCSEMI	BB050452.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, TNX
GBB1426-CC1412	GCSEMI	BB050496.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1426-CC1412	GCSEMI	BB050500.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1426-CC1412	GCSEMI	BB050510.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1426-CC1412	GCSEMI	BB050522.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1426-CC1412	GCSEMI	BB050534.D	HMX, m-Nitrotoluene, p-Nitrotoluene, PETN
GBB1426-CC1412	GCSEMI	BB050546.D	HMX, PETN
GBB1426-ECC1412	GCSEMI	BB050552.D	3,4-Dinitrotoluene, HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
GBB1427-CC1412	GCSEMI	BB050554.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, TNX
GBB1427-CC1412	GCSEMI	BB050565.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, TNX
GBB1427-CC1412	GCSEMI	BB050577.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, TNX
GBB1427-CC1412	GCSEMI	BB050588.D	HMX, PETN, TNX
GBB1427-ECC1412	GCSEMI	BB050595.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, TNX

Manual Integration Summary



Lab Sample ID	Analysis Type	File ID	Manual Integrations
GBB1428-CC1412	GCSEMI	BB050597.D	HMX, PETN, TNX
GBB1428-CC1412	GCSEMI	BB050607.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, TNX
GBB1428-CC1412	GCSEMI	BB050619.D	HMX, PETN, TNX
GBB1428-ECC1412	GCSEMI	BB050625.D	HMX, PETN, TNX
GBB1429-CC1412	GCSEMI	BB050627.D	2,6-Dinitrotoluene, HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, TNX
GBB1429-ECC1412	GCSEMI	BB050631.D	2,6-Dinitrotoluene, HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, TNX
GBB1430-CC1412	GCSEMI	BB050633.D	HMX, m-Nitrotoluene, PETN, TNX
GBB1430-ECC1412	GCSEMI	BB050640.D	HMX, PETN, TNX
OP59619-BS	GCSEMI	BB050334.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN, RDX
OP59619-MB	GCSEMI	BB050335.D	3,4-Dinitrotoluene
OP59710-BS	GCSEMI	BB050338.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
OP59710-DUP	GCSEMI	BB050350.D	3,4-Dinitrotoluene
OP59710-DUP2	GCSEMI	BB050351.D	3,4-Dinitrotoluene
OP59710-MB	GCSEMI	BB050342.D	3,4-Dinitrotoluene
OP59710-MS	GCSEMI	BB050347.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
OP59710-MSD	GCSEMI	BB050348.D	HMX, m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
OP59710-PT1	GCSEMI	BB050341.D	1,3,5-Trinitrobenzene, 1,3-Dinitrobenzene, m-Nitrotoluene, Nitroglycerine, o-Nitrotoluene, p-Nitrotoluene, PETN, RDX
OP59713-BS	GCSEMI	BB050412.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
OP59713-DUP	GCSEMI	BB050425.D	3,4-Dinitrotoluene
OP59713-MB	GCSEMI	BB050415.D	3,4-Dinitrotoluene
OP59713-MS	GCSEMI	BB050422.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
OP59713-MSD	GCSEMI	BB050423.D	m-Nitrotoluene, o-Nitrotoluene, p-Nitrotoluene, PETN
OP59713-PT1	GCSEMI	BB050414.D	1,3-Dinitrobenzene, m-Nitrotoluene, Nitroglycerine, o-Nitrotoluene, p-Nitrotoluene, PETN, RDX

102 Manual Integrations were found for FA31932

Summary of Hits

Job Number: FA31932
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 03/01/16



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA31932-1	02-17SC0000	No hits reported in this sample.				
FA31932-1A	02-17SC0000	No hits reported in this sample.				
Lead		9.1	2.0	0.40	mg/kg	SW846 6010C
FA31932-4	02-ER08SC	No hits reported in this sample.				
FA31932-5	07-08SC0000	No hits reported in this sample.				
FA31932-5A	07-08SC0000	No hits reported in this sample.				
Lead		5.7	2.0	0.39	mg/kg	SW846 6010C
FA31932-8	07-11SC0000	No hits reported in this sample.				
FA31932-9	07-11SC0000Q	No hits reported in this sample.				
FA31932-14	07-05SC0000	No hits reported in this sample.				
FA31932-14A	07-05SC0000	No hits reported in this sample.				
Lead		2.7	1.9	0.38	mg/kg	SW846 6010C
FA31932-17	07-18SC0000	No hits reported in this sample.				
FA31932-17A	07-18SC0000	No hits reported in this sample.				
Lead		16.0	1.9	0.38	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA31932
Account: Kemron Environmental Services, Inc
Project: Ft Ord; CA
Collected: 03/01/16



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
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FA31932-20 07-19SC0000

No hits reported in this sample.

FA31932-20A 07-19SC0000

Lead	18.7	1.9	0.39	mg/kg	SW846 6010C
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FA31932-23 07-17SC0000

No hits reported in this sample.

FA31932-23A 07-17SC0000

Lead	1.8 J	1.9	0.38	mg/kg	SW846 6010C
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FA31932-26 10-24SC0000

No hits reported in this sample.

FA31932-26A 10-24SC0000

Lead	9.4	2.0	0.40	mg/kg	SW846 6010C
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FA31932-29 10-09SC0000

No hits reported in this sample.

FA31932-29A 10-09SC0000

Lead	2.8	1.9	0.39	mg/kg	SW846 6010C
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Sample Results

Report of Analysis

SGS Accutest

Report of Analysis

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Client Sample ID: 02-17SC0000	
Lab Sample ID: FA31932-1	Date Sampled: 03/01/16
Matrix: SO - Soil	Date Received: 03/03/16
Method: SW846 8330B SW846 8330B	Percent Solids: n/a
Project: Ft Ord; CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB050346.D	1	03/15/16	KL	03/14/16	OP59710	GBB1423
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.3 g	50.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
2691-41-0	HMX	49 U	97	49	39	ug/kg	
121-82-4	RDX	49 U	97	49	39	ug/kg	
118-96-7	2,4,6-Trinitrotoluene	49 U	97	49	39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	94%		69-134%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
 LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.1
4

Report of Analysis

Client Sample ID: 02-17SC0000	Date Sampled: 03/01/16
Lab Sample ID: FA31932-1A	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.2
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	9.1	2.0	0.40	0.099	mg/kg	5	04/12/16	04/12/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13088

(2) Prep QC Batch: MP30234

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

SGS Accutest

Report of Analysis

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Client Sample ID: 02-ER08SC	
Lab Sample ID: FA31932-4	Date Sampled: 03/01/16
Matrix: AQ - Equipment Blank	Date Received: 03/03/16
Method: SW846 8330B SW846 3535A	Percent Solids: n/a
Project: Ft Ord; CA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB050336.D	1	03/15/16	KL	03/08/16	OP59619	GBB1423
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	10.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
2691-41-0	HMX	0.094 U	0.19	0.094	0.075	ug/l	
121-82-4	RDX	0.094 U	0.19	0.094	0.075	ug/l	
118-96-7	2,4,6-Trinitrotoluene	0.094 U	0.19	0.094	0.075	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	94%		70-136%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
 LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.3
4

Report of Analysis

Client Sample ID: 02-ER08SC	Date Sampled: 03/01/16
Lab Sample ID: FA31932-4	Date Received: 03/03/16
Matrix: AQ - Equipment Blank	Percent Solids: n/a
Project: Ft Ord; CA	

4.3
4

Total Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.0 U	5.0	2.0	1.1	ug/l	1	03/08/16	03/08/16 LM	SW846 6010C ¹	SW846 3010A ²

- (1) Instrument QC Batch: MA13017
- (2) Prep QC Batch: MP30076

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection J = Indicates a result > = DL (MDL) but < LOQ

SGS Accutest

Report of Analysis

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Client Sample ID: 07-08SC0000		
Lab Sample ID: FA31932-5		Date Sampled: 03/01/16
Matrix: SO - Soil		Date Received: 03/03/16
Method: SW846 8330B SW846 8330B		Percent Solids: n/a
Project: Ft Ord; CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB050349.D	1	03/15/16	KL	03/14/16	OP59710	GBB1423
Run #2							

	Initial Weight	Final Volume
Run #1	10.1 g	50.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
2691-41-0	HMX	50 U	99	50	40	ug/kg	
121-82-4	RDX	50 U	99	50	40	ug/kg	
118-96-7	2,4,6-Trinitrotoluene	50 U	99	50	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	94%		69-134%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
 LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.4
4

Report of Analysis

Client Sample ID: 07-08SC0000	Date Sampled: 03/01/16
Lab Sample ID: FA31932-5A	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.5
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	5.7	2.0	0.39	0.098	mg/kg	5	04/12/16	04/12/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13088

(2) Prep QC Batch: MP30234

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

SGS Accutest

Report of Analysis

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Client Sample ID: 07-11SC0000		
Lab Sample ID: FA31932-8		Date Sampled: 03/01/16
Matrix: SO - Soil		Date Received: 03/03/16
Method: SW846 8330B SW846 8330B		Percent Solids: n/a
Project: Ft Ord; CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB050343.D	1	03/15/16	KL	03/14/16	OP59710	GBB1423
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.0 g	50.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
2691-41-0	HMX	50 U	100	50	40	ug/kg	
121-82-4	RDX	50 U	100	50	40	ug/kg	
118-96-7	2,4,6-Trinitrotoluene	50 U	100	50	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	90%		69-134%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
 LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.6
4

SGS Accutest

Report of Analysis

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Client Sample ID: 07-11SC0000Q	
Lab Sample ID: FA31932-9	Date Sampled: 03/01/16
Matrix: SO - Soil	Date Received: 03/03/16
Method: SW846 8330B SW846 8330B	Percent Solids: n/a
Project: Ft Ord; CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB050352.D	1	03/15/16	KL	03/14/16	OP59710	GBB1423
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.2 g	50.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
2691-41-0	HMX	49 U	98	49	39	ug/kg	
121-82-4	RDX	49 U	98	49	39	ug/kg	
118-96-7	2,4,6-Trinitrotoluene	49 U	98	49	39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	90%		69-134%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
 LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.7
4

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Client Sample ID: 07-05SC0000	
Lab Sample ID: FA31932-14	Date Sampled: 03/01/16
Matrix: SO - Soil	Date Received: 03/03/16
Method: SW846 8330B SW846 8330B	Percent Solids: n/a
Project: Ft Ord; CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB050353.D	1	03/15/16	KL	03/14/16	OP59710	GBB1423
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.1 g	50.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
2691-41-0	HMX	50 U	99	50	40	ug/kg	
121-82-4	RDX	50 U	99	50	40	ug/kg	
118-96-7	2,4,6-Trinitrotoluene	50 U	99	50	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	91%		69-134%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
 LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.8
4

Report of Analysis

Client Sample ID: 07-05SC0000	Date Sampled: 03/01/16
Lab Sample ID: FA31932-14A	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.9
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.7	1.9	0.38	0.096	mg/kg	5	04/12/16	04/12/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13088

(2) Prep QC Batch: MP30234

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

SGS Accutest

Report of Analysis

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Client Sample ID: 07-18SC0000	
Lab Sample ID: FA31932-17	Date Sampled: 03/01/16
Matrix: SO - Soil	Date Received: 03/03/16
Method: SW846 8330B SW846 8330B	Percent Solids: n/a
Project: Ft Ord; CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB050416.D	1	03/16/16	KL	03/15/16	OP59713	GBB1424
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.0 g	50.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
2691-41-0	HMX	50 U	100	50	40	ug/kg	
121-82-4	RDX	50 U	100	50	40	ug/kg	
118-96-7	2,4,6-Trinitrotoluene	50 U	100	50	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	83%		69-134%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
 LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.10
4

Report of Analysis

Client Sample ID: 07-18SC0000	Date Sampled: 03/01/16
Lab Sample ID: FA31932-17A	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.11
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	16.0	1.9	0.38	0.094	mg/kg	5	04/12/16	04/12/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13088

(2) Prep QC Batch: MP30234

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

SGS Accutest

Report of Analysis

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Client Sample ID: 07-19SC0000	
Lab Sample ID: FA31932-20	Date Sampled: 03/01/16
Matrix: SO - Soil	Date Received: 03/03/16
Method: SW846 8330B SW846 8330B	Percent Solids: n/a
Project: Ft Ord; CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB050417.D	1	03/16/16	KL	03/15/16	OP59713	GBB1424
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.1 g	50.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
2691-41-0	HMX	50 U	99	50	40	ug/kg	
121-82-4	RDX	50 U	99	50	40	ug/kg	
118-96-7	2,4,6-Trinitrotoluene	50 U	99	50	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	88%		69-134%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
 LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.12
4

Report of Analysis

Client Sample ID: 07-19SC0000	Date Sampled: 03/01/16
Lab Sample ID: FA31932-20A	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.13
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	18.7	1.9	0.39	0.097	mg/kg	5	04/12/16	04/12/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13088

(2) Prep QC Batch: MP30234

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

SGS Accutest

Report of Analysis

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Client Sample ID: 07-17SC0000	
Lab Sample ID: FA31932-23	Date Sampled: 03/01/16
Matrix: SO - Soil	Date Received: 03/03/16
Method: SW846 8330B SW846 8330B	Percent Solids: n/a
Project: Ft Ord; CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB050421.D	1	03/16/16	KL	03/15/16	OP59713	GBB1424
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.1 g	50.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
2691-41-0	HMX	50 U	99	50	40	ug/kg	
121-82-4	RDX	50 U	99	50	40	ug/kg	
118-96-7	2,4,6-Trinitrotoluene	50 U	99	50	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	91%		69-134%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
 LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.14
4

Report of Analysis

Client Sample ID: 07-17SC0000	Date Sampled: 03/01/16
Lab Sample ID: FA31932-23A	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.15
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	1.8 J	1.9	0.38	0.094	mg/kg	5	04/12/16	04/12/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13088

(2) Prep QC Batch: MP30234

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

SGS Accutest

Report of Analysis

Page 1 of 1

Client Sample ID: 10-24SC0000	
Lab Sample ID: FA31932-26	Date Sampled: 03/01/16
Matrix: SO - Soil	Date Received: 03/03/16
Method: SW846 8330B SW846 8330B	Percent Solids: n/a
Project: Ft Ord; CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB050418.D	1	03/16/16	KL	03/15/16	OP59713	GBB1424
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.0 g	50.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
2691-41-0	HMX	50 U	100	50	40	ug/kg	
121-82-4	RDX	50 U	100	50	40	ug/kg	
118-96-7	2,4,6-Trinitrotoluene	50 U	100	50	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	89%		69-134%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
 LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.16
4

Report of Analysis

Client Sample ID: 10-24SC0000	Date Sampled: 03/01/16
Lab Sample ID: FA31932-26A	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.17
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	9.4	2.0	0.40	0.099	mg/kg	5	04/12/16	04/12/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13088

(2) Prep QC Batch: MP30234

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

SGS Accutest

Report of Analysis

Page 1 of 1

Client Sample ID: 10-09SC0000	
Lab Sample ID: FA31932-29	Date Sampled: 03/01/16
Matrix: SO - Soil	Date Received: 03/03/16
Method: SW846 8330B SW846 8330B	Percent Solids: n/a
Project: Ft Ord; CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB050424.D	1	03/16/16	KL	03/15/16	OP59713	GBB1424
Run #2							

Run #	Initial Weight	Final Volume
Run #1	10.1 g	50.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
2691-41-0	HMX	50 U	99	50	40	ug/kg	
121-82-4	RDX	50 U	99	50	40	ug/kg	
118-96-7	2,4,6-Trinitrotoluene	50 U	99	50	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
610-39-9	3,4-Dinitrotoluene	89%		69-134%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
 LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.18
4

Report of Analysis

Client Sample ID: 10-09SC0000	Date Sampled: 03/01/16
Lab Sample ID: FA31932-29A	Date Received: 03/03/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.19
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.8	1.9	0.39	0.097	mg/kg	5	04/12/16	04/12/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13088

(2) Prep QC Batch: MP30234

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Misc. Forms**Custody Documents and Other Forms**

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

HAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # RP-030116-01
FA31932



Project Name: Fort Ord	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
IBS Code: -	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method	Code	Matrix
			SO	SOIL
			WQ	WATER QUALITY CONTROL MATRIX
			Code	Container/Preservative
			2	2" 1L amber, 4 degrees C
			1	1" 1.0-1.5 kilogram bag
			13	1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016									
Sample ID	Matrix	Date	Time	Samp Init.			Location ID	Sample Type	Depth (ft bgs)
									Top - Bottom
1	02-17SC0000	SO	3/1/16	0820	TW	X X	02-17	NI	0.0 0.5
2	02-17SC0001	SO	3/1/16	0840	TW	X X	02-17	NI	1.0 1.5
3	02-17SC0002	SO	3/1/16	0850	TW	X X	02-17	NI	2.0 2.5
4	02-ER08SC	WQ	3/1/16	0912	TW	X X	Field QC	EB	NA NA
5	07-08SC0000	SO	3/1/16	1023	RP	X X	07-08	NI	0.0 0.5
6	07-08SC0001	SO	3/1/16	1041	RP	X X	07-08	NI	1.0 1.5
7	07-08SC0002	SO	3/1/16	1053	RP	X X	07-08	NI	2.0 2.5
8	07-11SC0000	SO	3/1/16	1232	RP	X	07-11	NI	0.0 0.5
9	07-11SC0000Q	SO	3/1/16	1232	RP	X	07-11	FD	0.0 0.5

HOLD
HOLD
HOLD
HOLD
Explosives only
Explosives only

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	3/1/16	1700	<i>[Signature]</i>			
<i>[Signature]</i>	3/1/16	1400	<i>[Signature]</i>	3/8/16	9:45	
FX						Received by Laboratory: (Signature, Date, Time) & condition
						4.1, 4.2, 4.0, 4.0

NV COC Record 4/06, 2015

5.1
5

CHAIN-OF-CUSTODY RECORD

Gilbane
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(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # RP: 030116-02

FA31932



Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P Laboratory: Accutest Laboratories, Orlando, FL
 Project Number: 07202.2001 Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
 NBS Code: § 5 § Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:

Equipment:

Analytical Test Method	Code	Matrix
SW6330B - Explosives	SO	SOIL
SW6010C - Lead	WQ	WATER QUALITY CONTROL MATRIX
SW6330B - Explosives by ISM	Code	Container/Preservative
SW6010C - Lead by ISM	2	2" 1L amber, 4 degrees C
	1	1" 1.0-1.5 kilogram bag
	13	1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016

Sample ID	Matrix	Date	Time	Samp Init.	Location ID	Sample Type	Depth (ft bgs) Top - Bottom	
01 07-11SC0001	SO	3/1/16	1246	RP	07-05 11	NI	1.0 1.5	HOLD
02 07-11SC0001Q	SO	3/1/16	1246	RP	07-05 11	FD	1.0 1.5	HOLD
03 07-11SC0002	SO	3/1/16	1300	RP	07-11	NI	2.0 2.5	HOLD
04 07-11SC0002Q	SO	3/1/16	1302	RP	07-11	FD	2.0 2.5	HOLD
05 07-05SC0000	SO	3/1/16	1035	TW	07-05	NI	0.0 0.5	
06 07-05SC0001	SO	3/1/16	1055	TW	07-05	NI	1.0 1.5	HOLD
07 07-05SC0002	SO	3/1/16	1110	TW	07-05	NI	2.0 2.5	HOLD
08 07-18SC0000	SO	3/1/16	0945	TW	07-18	NI	0.0 0.5	HOLD
09 07-18SC0001	SO	3/1/16	1000	TW	07-18	NI	1.0 1.5	HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	3/1/16	1708	<i>[Signature]</i>			
<i>P. L. L. L.</i>	3/1/16	1708	<i>[Signature]</i>	3/3/16	9:45	
FX						Received by Laboratory: (Signature, Date, Time) & condition

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FA31932: Chain of Custody
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CHAIN-OF-CUSTODY RECORD

Gilbane
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(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # *RP-030116-03*
FA31932



Project Name: Fort Ord	Project Number: 07202.2001	WBS Code: -	Laboratory: Accutest Laboratories, Orlando, FL
Point of contact: Sue Bell 813-741-3338:sueb@accutest.com		Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811	

Comments:	Equipment:	Analytical Test Method	SW6330B - Explosives	SW6010C - Lead	SW6330B - Explosives by ISM	SW6010C - Lead by ISM	Code Matrix
			SO SOIL	WQ WATER QUALITY CONTROL MATRIX	Code Container/Preservative	2 2" 1L amber, 4 degrees C	1 1" 1.0-1.5 kilogram bag

Event ID: Basewide Range Assessment Spring 2016

Sample ID	Matrix	Date	Time	Samp Init.	2	13	1	1	Location ID	Sample Type	Depth (ft bgs)		
											Top	Bottom	
07-19SC0002	SO	3/1/16	1015	TW		X	X		07-18	NI	2.0	2.5	HOLD
07-19SC0000	SO	3/1/16	1215	TW		X	X		07-19	NI	0.0	0.5	
07-19SC0001	SO	3/1/16	1230	TW		X	X		07-19	NI	1.0	1.5	HOLD
07-19SC0002	SO	3/1/16	1245	TW		X	X		07-19	NI	2.0	2.5	HOLD
07-17SC0000	SO	3/1/16	1310	TW		X	X		07-17	NI	0.0	0.5	
07-17SC0001	SO	3/1/16	1325	TW		X	X		07-17	NI	1.0	1.5	HOLD
07-17SC0002	SO	3/1/16	1340	TW		X	X		07-17	NI	2.0	2.5	HOLD
10-24SC0000	SO	3/1/16	1435	TW		X	X		10-24	NI	0.0	0.5	
10-24SC0001	SO	3/1/16	1450	TW		X	X		10-24	NI	1.0	1.5	HOLD

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	3/1/16	1700	<i>[Signature]</i>			
<i>[Signature]</i>	3/1/16	1700	<i>[Signature]</i>	3/3/16	9:45	
Cooler #			Turnaround Time: 14 Days			Received by Laboratory: (Signature, Date, Time) & condition

NV COC_Record
04/06/2015


5.1
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FA31932: Chain of Custody
Page 3 of 7

CHAIN-OF-CUSTODY RECORD

Gilbane
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COC # *RP* - 030116-04

FA31932 

Project Name: Fort Ord <i>3 D V H Z L G H 5 D Q J H 5 V V H V P</i>	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - 5 5	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Analytical Test Method SW8330B - Explosives	SW6010C - Lead	SW8330B - Explosives by ISM	SW6010C - Lead by ISM	Code	Matrix
					SO	SOIL
Equipment:					Code	Container/Preservative
					2	2" 1L amber, 4 degrees C
				1	1" 1.0-1.5 kilogram bag	
				13	1" 250ml poly, with HNO3	

Event ID: Basewide Range Assessment Spring 2016										2	13	1	1
Sample ID	Matrix	Date	Time	Samp Init.			Location ID	Sample Type	Depth (ft bgs)				
10-24SC0002	SO	3/1/16	1505	TW		XX	10-24	NI	2.0	2.5	Hold		
10-09SC0000	SO	3/1/16	1501	RP		XX	10-09	NI	0.0	0.5			
10-09SC0001	SO	3/1/16	1512	RP		XX	10-09	NI	1.0	1.5	Hold		
10-09SC0002	SO	3/1/16	1523	RP		XX	10-09	NI	2.0	2.5	Hold		
5													
6													
7													
8													
9													

Cooler # _____ Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	3/1/16	1700				
<i>[Signature]</i>	3/1/16	1700	<i>FX</i>			
<i>FX</i>			<i>[Signature]</i>	3/3/16	9:45	
						Received by Laboratory: (Signature, Date, Time) & condition

ENV COC Record July 06, 2015

5.1
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FA31932: Chain of Custody
Page 4 of 7

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA31932 CLIENT: Gilbane PROJECT: Fort Ord
 DATE/TIME RECEIVED: 3/3/16 9:45 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 4
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER DELIVERY OTHER: _____
 AIRBILL NUMBERS: 7824 9959 3886

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM _____ 5-GRAM _____
 NUMBER OF 5035 FIELD KITS ? _____
 NUMBER OF LAB FILTERED METALS ? _____

TEST STRIP LOT#s PH 0-3 204413A

pH 10-12 219813A

OTHER (specify) _____

SUMMARY OF COMMENTS: _____

TEMPERATURE INFORMATION

- IR THERM ID 1 CORR. FACTOR +0.2
- OBSERVED TEMPS: 3.9, 4.0, 3.9, 3.8
- CORRECTED TEMPS: 4.1, 4.2, 4.0, 4.0 (USED FOR LIMS)

SAMPLE INFORMATION

- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- % SOLIDS JAR NOT RECEIVED
- RESIDUAL CHLORINE PRESENT LOT# _____

{APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

TECHNICIAN SIGNATURE/DATE

[Signature] 3/4/16

REVIEWER SIGNATURE/DATE

[Signature] 3-2-16

NF 11/15

receipt confirmation 111015.xls

5.1
5

ORIGIN ID: MRYA

SHIP DATE: 01MAR16
ACTWT: 42.70 LB MAN
CAD: /POS1621
DIMS: 18x18x10 IN
BILL RECEIPT

UNITED STATES US

B
3886 TO
03.03

ACCU TEST LABS
4405 VINELAND RD
STE C
ORLANDO FL 32811
(407) 426-6700 REF:

SHIP DATE: 03 MAR 2016
SHIP TIME: 10:30 AM
SHIP TYPE: 2 DAY
SHIP CLASS: AHS

FedEx Express

E

9 of 10
MPS# 7824 9959 3886
Metr# 8094 8995 2807

THU - 03 MAR 10:30A
MORNING 2DAY
AHS
32811
FL-US MCO

SH TIXA

0215

3.

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FA31932: Chain of Custody
Page 6 of 7

Job Change

FA31932

Requested Date: 3/11/2016
Account Name: Gilbane Company
Project: Fort Ord AFB, CA
CSR: sueb

Received Date: 3/3/2016
Due Date: 3/17/2016
Deliverable: FULT1
TAT (Days): 14

=====
Sample #: FA31932-2,3,6,7,10,11,12,13,15,16
18,19,21,22,24,25,27,28,30,31

Change:
8330B should be extracted and held

Above Changes Per: Eric M

Date/Time: 3/11/2016 4:17:16 PM

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Page 1 of 1

FA31932: Chain of Custody
Page 7 of 7

5.1
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QC Evaluation: DOD QSM5 Limits

Job Number: FA31932
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 03/01/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
--------------	------	---------	-------------	-------------	--------	-------	--------

OP59619 SW846 8330B

OP59619-BS	2691-41-0	HMX	BSP	REC	92	%	65-135
OP59619-BS	121-82-4	RDX	BSP	REC	102	%	68-130
OP59619-BS	118-96-7	2,4,6-Trinitrotoluene	BSP	REC	102	%	71-123

OP59710 SW846 8330B

OP59710-BS	2691-41-0	HMX	BSP	REC	94	%	74-124
OP59710-BS	121-82-4	RDX	BSP	REC	102	%	67-129
OP59710-BS	118-96-7	2,4,6-Trinitrotoluene	BSP	REC	99	%	71-120
OP59710-MS	2691-41-0	HMX	MS	REC	94	%	74-124
OP59710-MS	121-82-4	RDX	MS	REC	100	%	67-129
OP59710-MS	118-96-7	2,4,6-Trinitrotoluene	MS	REC	97	%	71-120
OP59710-MSD	2691-41-0	HMX	MSD	REC	95	%	74-124
OP59710-MSD	2691-41-0	HMX	MSD	RPD	1	%	20
OP59710-MSD	121-82-4	RDX	MSD	REC	100	%	67-129
OP59710-MSD	121-82-4	RDX	MSD	RPD	0	%	20
OP59710-MSD	118-96-7	2,4,6-Trinitrotoluene	MSD	REC	97	%	71-120
OP59710-MSD	118-96-7	2,4,6-Trinitrotoluene	MSD	RPD	1	%	20
OP59710-DUP	2691-41-0	HMX	DUP	RPD	0	%	20
OP59710-DUP	121-82-4	RDX	DUP	RPD	0	%	20
OP59710-DUP	118-96-7	2,4,6-Trinitrotoluene	DUP	RPD	0	%	20
OP59710-DUP2	2691-41-0	HMX	DUP	RPD	0	%	20
OP59710-DUP2	121-82-4	RDX	DUP	RPD	0	%	20
OP59710-DUP2	118-96-7	2,4,6-Trinitrotoluene	DUP	RPD	0	%	20

OP59713 SW846 8330B

OP59713-BS	2691-41-0	HMX	BSP	REC	90	%	74-124
OP59713-BS	121-82-4	RDX	BSP	REC	97	%	67-129
OP59713-BS	118-96-7	2,4,6-Trinitrotoluene	BSP	REC	94	%	71-120
OP59713-MS	2691-41-0	HMX	MS	REC	95	%	74-124
OP59713-MS	121-82-4	RDX	MS	REC	97	%	67-129
OP59713-MS	118-96-7	2,4,6-Trinitrotoluene	MS	REC	94	%	71-120
OP59713-MSD	2691-41-0	HMX	MSD	REC	97	%	74-124
OP59713-MSD	2691-41-0	HMX	MSD	RPD	1	%	20
OP59713-MSD	121-82-4	RDX	MSD	REC	97	%	67-129
OP59713-MSD	121-82-4	RDX	MSD	RPD	1	%	20
OP59713-MSD	118-96-7	2,4,6-Trinitrotoluene	MSD	REC	94	%	71-120
OP59713-MSD	118-96-7	2,4,6-Trinitrotoluene	MSD	RPD	1	%	20
OP59713-DUP	2691-41-0	HMX	DUP	RPD	0	%	20
OP59713-DUP	121-82-4	RDX	DUP	RPD	0	%	20
OP59713-DUP	118-96-7	2,4,6-Trinitrotoluene	DUP	RPD	0	%	20

* Sample used for QC is not from job FA31932

QC Evaluation: DOD QSM5 Limits

Job Number: FA31932
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 03/01/16

QC Sample ID	CAS#	Analyte	Sample Result Type	Result Type	Result	Units	Limits
OP59713-DUP2	2691-41-0	HMX	DUP	RPD	0	%	20
OP59713-DUP2	121-82-4	RDX	DUP	RPD	0	%	20
OP59713-DUP2	118-96-7	2,4,6-Trinitrotoluene	DUP	RPD	0	%	20
MP30076 SW846 6010C							
MP30076-B1	7439-92-1	Lead	BSP	REC	103.6	%	86-113
MP30076-S1*	7439-92-1	Lead	MS	REC	102.8	%	86-113
MP30076-S2*	7439-92-1	Lead	MSD	REC	103.6	%	86-113
MP30076-S2*	7439-92-1	Lead	MSD	RPD	.8	%	20
MP30076-D1*	7439-92-1	Lead	DUP	RPD	0	%	20
MP30234 SW846 6010C							
MP30234-B1	7439-92-1	Lead	BSP	REC	101	%	81-112
MP30234-S1*	7439-92-1	Lead	MS	REC	-20.9 ^a	%	81-112
MP30234-S2*	7439-92-1	Lead	MSD	REC	-70.5 ^a	%	81-112
MP30234-S2*	7439-92-1	Lead	MSD	RPD	3.2	%	20
MP30234-D1*	7439-92-1	Lead	DUP	RPD	12	%	20
MP30234-D2*	7439-92-1	Lead	DUP	RPD	8.5	%	20

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

* Sample used for QC is not from job FA31932

5.2
5

GC Semi-volatiles**QC Data Summaries**

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59619-MB	BB050335.D	1	03/15/16	KL	03/08/16	OP59619	GBB1423

The QC reported here applies to the following samples:

Method: SW846 8330B

FA31932-4

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	0.20	0.080	ug/l	
121-82-4	RDX	ND	0.20	0.080	ug/l	
118-96-7	2,4,6-Trinitrotoluene	ND	0.20	0.080	ug/l	

CAS No.	Surrogate Recoveries	Limits
610-39-9	3,4-Dinitrotoluene	95% 70-136%

Method Blank Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59710-MB	BB050342.D	1	03/15/16	KL	03/14/16	OP59710	GBB1423

The QC reported here applies to the following samples:

Method: SW846 8330B

FA31932-1, FA31932-5, FA31932-8, FA31932-9, FA31932-14

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	100	40	ug/kg	
121-82-4	RDX	ND	100	40	ug/kg	
118-96-7	2,4,6-Trinitrotoluene	ND	100	40	ug/kg	

CAS No.	Surrogate Recoveries	Limits
610-39-9	3,4-Dinitrotoluene	96% 69-134%

Method Blank Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59713-MB	BB050415.D	1	03/16/16	KL	03/15/16	OP59713	GBB1424

The QC reported here applies to the following samples:

Method: SW846 8330B

FA31932-17, FA31932-20, FA31932-23, FA31932-26, FA31932-29

CAS No.	Compound	Result	RL	MDL	Units	Q
2691-41-0	HMX	ND	100	40	ug/kg	
121-82-4	RDX	ND	100	40	ug/kg	
118-96-7	2,4,6-Trinitrotoluene	ND	100	40	ug/kg	

CAS No.	Surrogate Recoveries	Limits
610-39-9	3,4-Dinitrotoluene	95% 69-134%

Blank Spike Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59619-BS ^a	BB050334.D	1	03/15/16	KL	03/08/16	OP59619	GBB1423

The QC reported here applies to the following samples:

Method: SW846 8330B

FA31932-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
2691-41-0	HMX	5	4.6	92	77-144
121-82-4	RDX	5	5.1	102	77-125
118-96-7	2,4,6-Trinitrotoluene	5	5.1	102	72-112

CAS No.	Surrogate Recoveries	BSP	Limits
610-39-9	3,4-Dinitrotoluene	102%	70-136%

(a) Insufficient sample for MS/MSD.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59710-BS	BB050338.D	1	03/15/16	KL	03/14/16	OP59710	GBB1423

The QC reported here applies to the following samples:

Method: SW846 8330B

FA31932-1, FA31932-5, FA31932-8, FA31932-9, FA31932-14

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
2691-41-0	HMX	2500	2360	94	75-147
121-82-4	RDX	2500	2540	102	79-126
118-96-7	2,4,6-Trinitrotoluene	2500	2480	99	70-123

CAS No.	Surrogate Recoveries	BSP	Limits
610-39-9	3,4-Dinitrotoluene	100%	69-134%

6.2.2
6

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59713-BS	BB050412.D	1	03/16/16	KL	03/15/16	OP59713	GBB1424

The QC reported here applies to the following samples:

Method: SW846 8330B

FA31932-17, FA31932-20, FA31932-23, FA31932-26, FA31932-29

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
2691-41-0	HMX	2500	2260	90	75-147
121-82-4	RDX	2500	2430	97	79-126
118-96-7	2,4,6-Trinitrotoluene	2500	2350	94	70-123

CAS No.	Surrogate Recoveries	BSP	Limits
610-39-9	3,4-Dinitrotoluene	96%	69-134%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59710-PT1	BB050341.D	1	03/15/16	KL	03/14/16	OP59710	GBB1423

The QC reported here applies to the following samples:

Method: SW846 8330B

FA31932-1, FA31932-5, FA31932-8, FA31932-9, FA31932-14

CAS No.	Compound	Spike ug/kg	LCS ug/kg	LCS %	Limits
2691-41-0	HMX	600	473	79	74-124
121-82-4	RDX	600	411	69	67-129
118-96-7	2,4,6-Trinitrotoluene	600	541	90	71-120

CAS No.	Surrogate Recoveries	BSP	Limits
610-39-9	3,4-Dinitrotoluene	92%	69-134%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59713-PT1	BB050414.D	1	03/16/16	KL	03/15/16	OP59713	GBB1424

The QC reported here applies to the following samples:

Method: SW846 8330B

FA31932-17, FA31932-20, FA31932-23, FA31932-26, FA31932-29

CAS No.	Compound	Spike ug/kg	LCS ug/kg	LCS %	Limits
2691-41-0	HMX	600	525	88	74-124
121-82-4	RDX	600	402	67	67-129
118-96-7	2,4,6-Trinitrotoluene	600	542	90	71-120

CAS No.	Surrogate Recoveries	BSP	Limits
610-39-9	3,4-Dinitrotoluene	93%	69-134%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59710-MS	BB050347.D	1	03/15/16	KL	03/14/16	OP59710	GBB1423
OP59710-MSD	BB050348.D	1	03/15/16	KL	03/14/16	OP59710	GBB1423
FA31932-1	BB050346.D	1	03/15/16	KL	03/14/16	OP59710	GBB1423

The QC reported here applies to the following samples:

Method: SW846 8330B

FA31932-1, FA31932-5, FA31932-8, FA31932-9, FA31932-14

CAS No.	Compound	FA31932-1 ug/kg	Spike Q	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
2691-41-0	HMX	97 U	2480	2320	94	2480	2350	95	1	75-147/22
121-82-4	RDX	97 U	2480	2470	100	2480	2470	100	0	79-126/21
118-96-7	2,4,6-Trinitrotoluene	97 U	2480	2390	97	2480	2410	97	1	70-123/16

CAS No.	Surrogate Recoveries	MS	MSD	FA31932-1	Limits
610-39-9	3,4-Dinitrotoluene	96%	97%	94%	69-134%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59713-MS	BB050422.D	1	03/16/16	KL	03/15/16	OP59713	GBB1424
OP59713-MSD	BB050423.D	1	03/16/16	KL	03/15/16	OP59713	GBB1424
FA31932-23	BB050421.D	1	03/16/16	KL	03/15/16	OP59713	GBB1424

The QC reported here applies to the following samples:

Method: SW846 8330B

FA31932-17, FA31932-20, FA31932-23, FA31932-26, FA31932-29

CAS No.	Compound	FA31932-23 ug/kg	Spike Q	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
2691-41-0	HMX	99 U	2500	2370	95	2480	2400	97	1	75-147/22
121-82-4	RDX	99 U	2500	2430	97	2480	2400	97	1	79-126/21
118-96-7	2,4,6-Trinitrotoluene	99 U	2500	2340	94	2480	2320	94	1	70-123/16

CAS No.	Surrogate Recoveries	MS	MSD	FA31932-23	Limits
610-39-9	3,4-Dinitrotoluene	93%	93%	91%	69-134%

* = Outside of Control Limits.

Duplicate Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59710-DUP	BB050350.D	1	03/15/16	KL	03/14/16	OP59710	GBB1423
FA31932-5	BB050349.D	1	03/15/16	KL	03/14/16	OP59710	GBB1423

The QC reported here applies to the following samples:

Method: SW846 8330B

FA31932-1, FA31932-5, FA31932-8, FA31932-9, FA31932-14

CAS No.	Compound	FA31932-5		Q	RPD	Limits
		ug/kg	DUP ug/kg			
2691-41-0	HMX	99 U	ND		nc	22
121-82-4	RDX	99 U	ND		nc	21
118-96-7	2,4,6-Trinitrotoluene	99 U	ND		nc	16

CAS No.	Surrogate Recoveries	DUP	FA31932-5	Limits
610-39-9	3,4-Dinitrotoluene	93%	94%	69-134%

* = Outside of Control Limits.

6.5.1
 6

Duplicate Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59710-DUP2	BB050351.D	1	03/15/16	KL	03/14/16	OP59710	GBB1423
FA31932-5	BB050349.D	1	03/15/16	KL	03/14/16	OP59710	GBB1423

The QC reported here applies to the following samples:

Method: SW846 8330B

FA31932-1, FA31932-5, FA31932-8, FA31932-9, FA31932-14

CAS No.	Compound	FA31932-5		Q	RPD	Limits
		ug/kg	DUP			
2691-41-0	HMX	99 U	ND		nc	22
121-82-4	RDX	99 U	ND		nc	21
118-96-7	2,4,6-Trinitrotoluene	99 U	ND		nc	16

CAS No.	Surrogate Recoveries	DUP	FA31932-5	Limits
610-39-9	3,4-Dinitrotoluene	93%	94%	69-134%

* = Outside of Control Limits.

6.5.2
 6

Duplicate Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59713-DUP	BB050425.D	1	03/16/16	KL	03/15/16	OP59713	GBB1424
FA31932-29	BB050424.D	1	03/16/16	KL	03/15/16	OP59713	GBB1424

The QC reported here applies to the following samples:

Method: SW846 8330B

FA31932-17, FA31932-20, FA31932-23, FA31932-26, FA31932-29

CAS No.	Compound	FA31932-29 DUP		RPD	Limits
		ug/kg	Q		
2691-41-0	HMX	99 U	ND	nc	22
121-82-4	RDX	99 U	ND	nc	21
118-96-7	2,4,6-Trinitrotoluene	99 U	ND	nc	16

CAS No.	Surrogate Recoveries	DUP	FA31932-29	Limits
610-39-9	3,4-Dinitrotoluene	90%	89%	69-134%

* = Outside of Control Limits.

6.5.3
 6

Duplicate Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP59713-DUP2	BB050426.D	1	03/16/16	KL	03/15/16	OP59713	GBB1424
FA31932-29	BB050424.D	1	03/16/16	KL	03/15/16	OP59713	GBB1424

The QC reported here applies to the following samples:

Method: SW846 8330B

FA31932-17, FA31932-20, FA31932-23, FA31932-26, FA31932-29

CAS No.	Compound	FA31932-29 DUP		RPD	Limits
		ug/kg	Q		
2691-41-0	HMX	99 U	ND	nc	22
121-82-4	RDX	99 U	ND	nc	21
118-96-7	2,4,6-Trinitrotoluene	99 U	ND	nc	16

CAS No.	Surrogate Recoveries	DUP	FA31932-29	Limits
610-39-9	3,4-Dinitrotoluene	92%	89%	69-134%

* = Outside of Control Limits.

Semivolatile Surrogate Recovery Summary

Job Number: FA31932
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Method: SW846 8330B	Matrix: AQ
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Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a
FA31932-4	BB050336.D	94
OP59619-BS	BB050334.D	102
OP59619-MB	BB050335.D	95

Surrogate Compounds	Recovery Limits
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S1 = 3,4-Dinitrotoluene	70-136%
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(a) Recovery from GC signal #1

Semivolatile Surrogate Recovery Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Method: SW846 8330B	Matrix: SO
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Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a
FA31932-1	BB050346.D	94
FA31932-5	BB050349.D	94
FA31932-8	BB050343.D	90
FA31932-9	BB050352.D	90
FA31932-14	BB050353.D	91
FA31932-17	BB050416.D	83
FA31932-20	BB050417.D	88
FA31932-23	BB050421.D	91
FA31932-26	BB050418.D	89
FA31932-29	BB050424.D	89
OP59710-BS	BB050338.D	100
OP59710-DUP	BB050350.D	93
OP59710-DUP2	BB050351.D	93
OP59710-MB	BB050342.D	96
OP59710-MS	BB050347.D	96
OP59710-MSD	BB050348.D	97
OP59710-PT1	BB050341.D	92
OP59713-BS	BB050412.D	96
OP59713-DUP	BB050425.D	90
OP59713-DUP2	BB050426.D	92
OP59713-MB	BB050415.D	95
OP59713-MS	BB050422.D	93
OP59713-MSD	BB050423.D	93
OP59713-PT1	BB050414.D	93

Surrogate Compounds Recovery Limits

S1 = 3,4-Dinitrotoluene 69-134%

(a) Recovery from GC signal #1

6.6.2
6

GC Surrogate Retention Time Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Check Std:	GBB1423-CC1412	Injection Date:	03/15/16
Lab File ID:	BB050331.D	Injection Time:	06:52
Instrument ID:	GCBB	Method:	SW846 8330B

S1^a
RT

Check Std	11.16
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT
OP59619-BS	BB050334.D	03/15/16	08:26	11.17
OP59619-MB	BB050335.D	03/15/16	08:51	11.18
FA31932-4	BB050336.D	03/15/16	09:17	11.18
ZZZZZZ	BB050337.D	03/15/16	09:42	11.18
OP59710-BS	BB050338.D	03/15/16	10:13	11.19
OP59710-PT1	BB050341.D	03/15/16	11:30	11.19
OP59710-MB	BB050342.D	03/15/16	11:55	11.20
FA31932-8	BB050343.D	03/15/16	12:21	11.20

Surrogate Compounds

S1 = 3,4-Dinitrotoluene

(a) Retention time from GC signal #1

6.7.1
6

GC Surrogate Retention Time Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Check Std:	GBB1423-CC1412	Injection Date:	03/15/16
Lab File ID:	BB050344.D	Injection Time:	12:46
Instrument ID:	GCBB	Method:	SW846 8330B

S1^a
RT

Check Std	11.20
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT
FA31932-1	BB050346.D	03/15/16	13:41	11.21
OP59710-MS	BB050347.D	03/15/16	14:07	11.21
OP59710-MSD	BB050348.D	03/15/16	14:32	11.21
FA31932-5	BB050349.D	03/15/16	14:58	11.22
OP59710-DUP	BB050350.D	03/15/16	15:23	11.22
OP59710-DUP2	BB050351.D	03/15/16	15:49	11.22
FA31932-9	BB050352.D	03/15/16	16:14	11.22
FA31932-14	BB050353.D	03/15/16	16:40	11.21

Surrogate Compounds

S1 = 3,4-Dinitrotoluene

(a) Retention time from GC signal #1

6.7.2
6

GC Surrogate Retention Time Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Check Std:	GBB1424-CC1412	Injection Date:	03/16/16
Lab File ID:	BB050408.D	Injection Time:	16:19
Instrument ID:	GCBB	Method:	SW846 8330B

S1^a
RT

Check Std	11.14
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT
ZZZZZZ	BB050410.D	03/16/16	17:10	11.14
ZZZZZZ	BB050411.D	03/16/16	17:36	0.00
OP59713-BS	BB050412.D	03/16/16	18:01	11.14
OP59713-PT1	BB050414.D	03/16/16	18:52	11.14
OP59713-MB	BB050415.D	03/16/16	19:18	11.14
FA31932-17	BB050416.D	03/16/16	19:43	11.14
FA31932-20	BB050417.D	03/16/16	20:09	11.14
FA31932-26	BB050418.D	03/16/16	20:34	11.14

**Surrogate
Compounds**

S1 = 3,4-Dinitrotoluene

(a) Retention time from GC signal #1

6.7.3
6

GC Surrogate Retention Time Summary

Job Number: FA31932
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Check Std:	GBB1424-CC1412	Injection Date:	03/16/16
Lab File ID:	BB050419.D	Injection Time:	21:00
Instrument ID:	GCBB	Method:	SW846 8330B

S1^a
RT

Check Std	11.14
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT
FA31932-23	BB050421.D	03/16/16	21:51	11.14
OP59713-MS	BB050422.D	03/16/16	22:16	11.13
OP59713-MSD	BB050423.D	03/16/16	22:42	11.13
FA31932-29	BB050424.D	03/16/16	23:07	11.14
OP59713-DUP	BB050425.D	03/16/16	23:33	11.14
OP59713-DUP2	BB050426.D	03/16/16	23:58	11.14

Surrogate Compounds

S1 = 3,4-Dinitrotoluene

(a) Retention time from GC signal #1

6.7.4
6

Initial Calibration Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1412-ICC1412
 Lab FileID: BB049970.D

Response Factor Report G1315B

Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Feb 25 09:31:23 2016
 Response via : Initial Calibration

Calibration Files

20 =BB049966.D 50 =BB049967.D 100 =BB049968.D 200 =BB049969.D
 500 =BB049970.D 1000=BB049971.D 2000=BB049972.D

Compound	20	50	100	200	500	1000	2000	Avg	%RSD
1) TNX	2.979	2.981	3.053	3.059	3.110	3.199	3.306	3.098	E3 3.85
2) HMX	1.659	1.926	1.807	1.694	1.726	1.677	1.749	1.748	E3 5.30
3) DNX	3.366	3.101	3.032	2.860	2.826	2.845	2.965	2.999	E3 6.39
4) MNX	2.199	2.592	2.449	2.343	2.299	2.335	2.436	2.379	E3 5.31
5) RDX	2.135	1.916	1.754	1.763	1.718	1.722	1.804	1.830	E3 8.22
6) 1,3,5-Trinitroben	3.941	4.124	3.750	3.808	3.701	3.727	3.915	3.852	E3 3.92
7) 1,3-Dinitrobenzen	4.843	5.410	5.095	5.057	4.967	4.949	5.172	5.070	E3 3.63
8) 3,5-Dinitroanilin	4.605	4.809	4.483	4.550	4.319	4.360	4.526	4.522	E3 3.60
9) Nitrobenzene	3.045	3.112	2.915	2.967	2.950	2.948	2.990	2.989	E3 2.26
10) Nitroglycerin								0.000	-1.00
11) Tetryl	2.465	2.735	2.650	2.650	2.682	2.714	2.809	2.672	E3 3.99
12) 2,4,6-Trinitrotol	3.103	3.424	3.231	3.337	3.398	3.471	3.622	3.369	E3 4.98
13) 2-Amino-4,6-Dinit	2.460	2.825	2.672	2.887	2.994	3.098	3.234	2.882	E3 9.06
---- Quadratic regr., Force(0,0) ---- Coefficient = 1.0000									
Response Ratio = 0.00000 + 2928.82283 *A + 0.15349 *A^2									
14) 4-Amino-2,6-Dinit	2.441	2.371	2.071	2.093	2.124	2.181	2.265	2.221	E3 6.43
---- Linear regr., Force(0,0) ---- Coefficient = 0.9995									
Response Ratio = 0.00000 + 2240.92433 *A									
15)S 3,4-Dinitrotoluen	2.908	2.254	2.134	2.135	2.138	2.169	2.242	2.283	E3 12.27
16) 2,4-Dinitrotoluen	4.570	5.038	4.511	4.472	4.452	4.474	4.668	4.598	E3 4.52
17) 2,6-Dinitrotoluen	2.696	2.816	2.650	2.625	2.610	2.625	2.703	2.675	E3 2.69
18) o-Nitrotoluene	2.076	2.258	2.216	2.167	2.123	2.080	2.092	2.144	E3 3.33
19) p-Nitrotoluene	3.307	3.711	3.478	3.505	3.429	3.359	3.394	3.455	E3 3.81
20) m-Nitrotoluene	3.144	3.416	3.171	3.141	3.196	3.133	3.129	3.190	E3 3.22
21) PETN								0.000	-1.00

Signal #2

1) TNX	4.080	4.729	4.430	4.451	4.490	4.624	4.983	4.541	E3 6.18
2) HMX	4.397	5.440	5.064	4.957	4.823	4.742	4.763	4.884	E3 6.60
3) DNX	9.014	5.742	5.787	4.722	4.599	4.583	4.818	5.610	E3 28.31
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9998									
Response Ratio = 0.00000 + 4480.22679 *A + 0.16555 *A^2									
4) MNX	3.620	4.045	3.699	3.771	3.652	3.673	3.810	3.753	E3 3.86
5) RDX	2.994	3.009	2.796	2.850	2.785	2.812	2.916	2.880	E3 3.24
6) 1,3,5-Trinitroben	7.668	7.989	7.352	7.404	7.322	7.349	7.666	7.536	E3 3.30
7) 1,3-Dinitrobenzen	3.372	3.718	3.336	3.385	3.430	3.412	3.617	3.467	E3 4.13
8) 3,5-Dinitroanilin	7.265	8.037	7.300	7.401	7.447	7.336	7.634	7.489	E3 3.62
9) Nitrobenzene	3.185	2.887	2.894	2.878	2.863	2.806	2.857	2.910	E3 4.28
10) Nitroglycerin	1.164	1.324	1.206	1.220	1.201	1.202	1.263	1.226	E3 4.28
11) Tetryl	4.483	4.890	4.567	4.497	4.499	4.541	4.780	4.608	E3 3.48
12) 2,4,6-Trinitrotol	3.430	4.027	3.828	3.893	3.918	4.001	4.325	3.917	E3 6.84
13) 2-Amino-4,6-Dinit	3.505	4.090	4.048	4.137	4.203	4.306	4.750	4.148	E3 8.90
14) 4-Amino-2,6-Dinit	2.106	3.906	3.753	3.972	4.091	4.214	4.576	3.803	E3 20.85

6.8.1

6

Initial Calibration Summary

Job Number: FA31932
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Sample: GBB1412-ICC1412
Lab FileID: BB049970.D

---- Quadratic regr., Force(0,0) ---- Coefficient = 1.0000
Response Ratio = 0.00000 + 3877.09602 *A + 0.34896 *A^2

15)S 3,4-Dinitrotoluen 1.917 3.260 3.346 3.620 3.682 3.718 3.968 3.359 E3 20.19

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9999
Response Ratio = 0.00000 + 3510.29670 *A + 0.22781 *A^2

16)	2,4-Dinitrotoluen	2.594	2.707	2.744	2.782	2.873	2.922	3.056	2.811	E3	5.43
17)	2,6-Dinitrotoluen	2.746	3.368	3.101	3.244	3.446	3.436	3.521	3.266	E3	8.25
18)	o-Nitrotoluene	2.593	2.864	2.801	2.902	2.831	2.878	2.921	2.827	E3	3.93
19)	p-Nitrotoluene	2.380	2.679	2.602	2.702	2.781	2.835	2.913	2.699	E3	6.47
20)	m-Nitrotoluene	3.276	3.815	3.459	3.597	3.600	3.601	3.696	3.578	E3	4.79
21)	PETN	1.218	1.450	1.332	1.424	1.324	1.366	1.405	1.360	E3	5.75

(#) = Out of Range

8330B_0224.M

Thu Feb 25 09:42:22 2016

6.8.1

6

Initial Calibration Verification

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1412-ICV1412
 Lab FileID: BB049973.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\0224BPL\BB049973.D\dad1B.ch Vial: 18
 Signal #2 : C:\HPCHEM\1\DATA\0224BPL\BB049973.D\dad1A.ch
 Acq On : 24-Feb-2016, 15:01:30 Operator: kismet1
 Sample : icv1412-500 Inst : G1315B
 Misc : op59454,GBB1412,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Feb 25 09:31:23 2016
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT	Window
1	TNX	500.000	514.760	-3.0	103	0.00	1.08-	1.68
2	HMX	500.000	545.942	-9.2	111	0.03	1.16-	1.76
3	DNX	500.000	484.130	3.2	103	0.00	1.47-	2.07
4	MNX	500.000	509.751	-2.0	105	0.00	2.07-	2.67
5	RDX	500.000	521.128	-4.2	111	0.00	2.59-	3.39
6	1,3,5-Trinitrobenzene	500.000	524.415	-4.9	109	0.00	4.34-	5.14
7	1,3-Dinitrobenzene	500.000	500.510	-0.1	102	0.00	5.63-	6.43
8	3,5-Dinitroaniline	500.000	503.978	-0.8	106	0.00	6.09-	6.89
9	Nitrobenzene	500.000	543.632	-8.7	110	0.00	7.31-	8.11
10	Nitroglycerin			-----NA-----				
11	Tetryl	500.000	454.924	9.0	91	0.00	9.45-	10.25
12	2,4,6-Trinitrotoluene	500.000	467.528	6.5	93	0.00	9.86-	10.66
		----- Amount	Calc.	%Drift	-----			
13	2-Amino-4,6-Dinitrotol	500.000	556.984	-11.4	112	0.00	10.34-	11.14
14	4-Amino-2,6-Dinitrotol	500.000	570.056	-14.0	120	-0.01	10.91-	11.71
		----- Amount	Calc.	%Drift	-----			
15 S	3,4-Dinitrotoluene			-----NA-----				
16	2,4-Dinitrotoluene	500.000	526.873	-5.4	109	0.00	11.81-	12.61
17	2,6-Dinitrotoluene	500.000	537.720	-7.5	110	0.00	12.23-	13.03
18	o-Nitrotoluene	500.000	550.609	-10.1	111	0.00	14.40-	15.28
19	p-Nitrotoluene	500.000	529.016	-5.8	107	0.00	14.65-	15.65
20	m-Nitrotoluene	500.000	560.478	-12.1	112	0.00	15.17-	16.17
21	PETN			-----NA-----				
*****	Signal #2	*****						
1	TNX	500.000	511.805	-2.4	104	0.00	1.08-	1.68
2	HMX	500.000	531.002	-6.2	108	0.02	1.17-	1.77
		----- Amount	Calc.	%Drift	-----			
3	DNX	500.000	515.845	-3.2	102	0.00	1.47-	2.07
		----- Amount	Calc.	%Drift	-----			
4	MNX	500.000	503.578	-0.7	104	0.00	2.07-	2.67
5	RDX	500.000	530.575	-6.1	110	0.00	2.59-	3.39
6	1,3,5-Trinitrobenzene	500.000	524.983	-5.0	108	0.00	4.34-	5.14
7	1,3-Dinitrobenzene	500.000	501.717	-0.3	101	0.00	5.64-	6.44
8	3,5-Dinitroaniline	500.000	516.979	-3.4	104	0.00	6.08-	6.88
9	Nitrobenzene	500.000	540.309	-8.1	110	0.00	7.31-	8.11

Initial Calibration Verification

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1412-ICV1412
 Lab FileID: BB049973.D

		Amount	Calc.	%Drift			
10	Nitroglycerin	2500.000	2457.419	1.7	100	0.00	9.03-10.03
11	Tetryl	500.000	432.803	13.4	89	0.00	9.45-10.25
12	2,4,6-Trinitrotoluene	500.000	472.317	5.5	94	0.00	9.88-10.68
13	2-Amino-4,6-Dinitrotol	500.000	563.889	-12.8	111	0.00	10.35-11.15
----- Amount Calc. %Drift -----							
14	4-Amino-2,6-Dinitrotol	500.000	582.907	-16.6#	116	-0.02	10.91-11.71
15 S	3,4-Dinitrotoluene			-----NA-----			
----- Amount Calc. %Drift -----							
16	2,4-Dinitrotoluene	500.000	560.161	-12.0	110	0.00	11.81-12.61
17	2,6-Dinitrotoluene	500.000	555.579	-11.1	105	-0.03	12.26-13.06
18	o-Nitrotoluene	500.000	572.501	-14.5	114	-0.01	14.29-15.29
19	p-Nitrotoluene	500.000	558.484	-11.7	108	0.00	14.64-15.64
20	m-Nitrotoluene	500.000	562.934	-12.6	112	0.00	15.19-16.19
21	PETN	2500.000	2642.040	-5.7	109	0.01	16.70-17.90

(#) = Out of Range
 BB049970.D 8330B_0224.M

SPCC's out = 0 CCC's out = 0
 Thu Feb 25 09:43:26 2016

6.8.2
6

Continuing Calibration Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1423-CC1412
 Lab FileID: BB050331.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050331.D\dad1B.ch Vial: 2
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050331.D\dad1A.ch
 Acq On : 15-Mar-2016, 06:52:36 Operator: kismet1
 Sample : ccl412-1000 Inst : G1315B
 Misc : op59619,GBB1423,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	TNX	1000.000	967.974	3.2	94	0.00	1.04- 1.64
2	HMX	1000.000	995.932	0.4	104	0.00	1.09- 1.69
3	DNX	1000.000	953.535	4.6	101	0.00	1.41- 2.01
4	MNX	1000.000	983.266	1.7	100	0.00	1.99- 2.59
5	RDX	1000.000	950.626	4.9	101	0.00	2.48- 3.28
6	1,3,5-Trinitrobenzene	1000.000	982.325	1.8	102	0.01	4.17- 4.97
7	1,3-Dinitrobenzene	1000.000	986.872	1.3	101	0.00	5.44- 6.24
8	3,5-Dinitroaniline	1000.000	977.447	2.3	101	0.02	5.86- 6.66
9	Nitrobenzene	1000.000	1014.450	-1.4	103	-0.01	7.08- 7.88
10	Nitroglycerin			-----NA-----			
11	Tetryl	1000.000	1081.567	-8.2	106	0.00	9.09- 9.89
12	2,4,6-Trinitrotoluene	1000.000	1038.984	-3.9	101	0.00	9.51-10.31
		----- Amount	Calc.	%Drift	-----		
13	2-Amino-4,6-Dinitrotol	1000.000	1022.996	-2.3	102	0.02	9.93-10.73
14	4-Amino-2,6-Dinitrotol	1000.000	956.611	4.3	98	0.01	10.46-11.26
		----- Amount	Calc.	%Drift	-----		
15 S	3,4-Dinitrotoluene	1000.000	971.784	2.8	102	-0.01	10.77-11.57
16	2,4-Dinitrotoluene	1000.000	989.135	1.1	102	0.00	11.43-12.23
17	2,6-Dinitrotoluene	1000.000	1003.650	-0.4	102	0.00	11.87-12.67
18	o-Nitrotoluene	1000.000	1005.330	-0.5	104	-0.03	14.14-15.02
19	p-Nitrotoluene	1000.000	1010.448	-1.0	104	-0.02	14.40-15.40
20	m-Nitrotoluene	1000.000	1008.229	-0.8	103	-0.02	14.94-15.94
21	PETN			-----NA-----			

***** Signal #2 *****

1	TNX	1000.000	1003.174	-0.3	99	0.00	1.04- 1.64
2	HMX	1000.000	1046.365	-4.6	108	0.00	1.12- 1.72
		----- Amount	Calc.	%Drift	-----		
3	DNX	1000.000	994.663	0.5	101	0.00	1.41- 2.01
		----- Amount	Calc.	%Drift	-----		
4	MNX	1000.000	980.753	1.9	100	0.00	1.99- 2.59
5	RDX	1000.000	985.349	1.5	101	0.00	2.48- 3.28
6	1,3,5-Trinitrobenzene	1000.000	990.562	0.9	102	0.01	4.17- 4.97
7	1,3-Dinitrobenzene	1000.000	1029.281	-2.9	105	0.00	5.44- 6.24
8	3,5-Dinitroaniline	1000.000	1000.213	-0.0	102	0.02	5.86- 6.66
9	Nitrobenzene	1000.000	990.050	1.0	103	-0.02	7.08- 7.88

Continuing Calibration Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1423-CC1412
 Lab FileID: BB050331.D

10	Nitroglycerin	5000.000	4906.280	1.9	100	0.00	8.71- 9.71
11	Tetryl	1000.000	1053.039	-5.3	107	0.00	9.08- 9.88
12	2,4,6-Trinitrotoluene	1000.000	1061.657	-6.2	104	0.00	9.51-10.31
13	2-Amino-4,6-Dinitrotol	1000.000	1110.214	-11.0	107	0.02	9.93-10.73
		----- Amount	Calc.	%Drift	-----		
14	4-Amino-2,6-Dinitrotol	1000.000	1016.358	-1.6	102	0.01	10.46-11.26
15 S	3,4-Dinitrotoluene	1000.000	1012.684	-1.3	102	0.00	10.76-11.56
		----- Amount	Calc.	%Drift	-----		
16	2,4-Dinitrotoluene	1000.000	1035.350	-3.5	100	0.00	11.44-12.23
17	2,6-Dinitrotoluene	1000.000	1038.210	-3.8	99	0.00	11.87-12.67
18	o-Nitrotoluene	1000.000	1060.889	-6.1	104	-0.03	14.02-15.02
19	p-Nitrotoluene	1000.000	1089.885	-9.0	104	-0.02	14.40-15.40
20	m-Nitrotoluene	1000.000	1068.335	-6.8	106	-0.03	14.94-15.94
21	PETN						-----NA-----

(#) = Out of Range
 BB049971.D 8330B_0224.M

SPCC's out = 0 CCC's out = 0
 Wed Mar 16 09:16:50 2016

6.8.3

6

Continuing Calibration Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1423-CC1412
 Lab FileID: BB050333.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050333.D\dad1B.ch Vial: 42
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050333.D\dad1A.ch
 Acq On : 15-Mar-2016, 07:57:08 Operator: kismet1
 Sample : ccl412-1000 Inst : G1315B
 Misc : op59619,GBB1423,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	TNX	1000.000	982.602	1.7	95	0.00	1.04- 1.64
2	HMX	1000.000	1051.073	-5.1	110	0.00	1.09- 1.69
3	DNX	1000.000	947.906	5.2	100	0.00	1.41- 2.01
4	MNX	1000.000	982.889	1.7	100	0.00	1.99- 2.59
5	RDX	1000.000	956.839	4.3	102	0.01	2.48- 3.28
6	1,3,5-Trinitrobenzene	1000.000	981.177	1.9	101	0.02	4.17- 4.97
7	1,3-Dinitrobenzene	1000.000	983.453	1.7	101	0.01	5.44- 6.24
8	3,5-Dinitroaniline	1000.000	897.093	10.3	93	0.02	5.86- 6.66
9	Nitrobenzene	1000.000	1009.223	-0.9	102	0.00	7.08- 7.88
10	Nitroglycerin			-----NA-----			
11	Tetryl	1000.000	1051.164	-5.1	103	0.02	9.09- 9.89
12	2,4,6-Trinitrotoluene	1000.000	1030.728	-3.1	100	0.02	9.51-10.31
		----- Amount	Calc.	%Drift	-----		
13	2-Amino-4,6-Dinitrotol	1000.000	1019.006	-1.9	101	0.03	9.93-10.73
14	4-Amino-2,6-Dinitrotol	1000.000	955.704	4.4	98	0.02	10.46-11.26
		----- Amount	Calc.	%Drift	-----		
15 S	3,4-Dinitrotoluene	1000.000	957.009	4.3	101	0.00	10.77-11.57
16	2,4-Dinitrotoluene	1000.000	981.056	1.9	101	0.01	11.43-12.23
17	2,6-Dinitrotoluene	1000.000	986.791	1.3	101	0.00	11.87-12.67
18	o-Nitrotoluene	1000.000	996.714	0.3	103	-0.02	14.14-15.02
19	p-Nitrotoluene	1000.000	999.793	0.0	103	-0.01	14.40-15.40
20	m-Nitrotoluene	1000.000	1004.331	-0.4	102	-0.01	14.94-15.94
21	PETN			-----NA-----			
*****	Signal #2	*****					
1	TNX	1000.000	1050.058	-5.0	103	0.00	1.04- 1.64
2	HMX	1000.000	1026.794	-2.7	106	0.00	1.12- 1.72
		----- Amount	Calc.	%Drift	-----		
3	DNX	1000.000	986.384	1.4	100	0.00	1.41- 2.01
		----- Amount	Calc.	%Drift	-----		
4	MNX	1000.000	976.358	2.4	100	0.00	1.99- 2.59
5	RDX	1000.000	984.016	1.6	101	0.01	2.48- 3.28
6	1,3,5-Trinitrobenzene	1000.000	983.674	1.6	101	0.02	4.17- 4.97
7	1,3-Dinitrobenzene	1000.000	1011.587	-1.2	103	0.01	5.44- 6.24
8	3,5-Dinitroaniline	1000.000	914.659	8.5	93	0.02	5.86- 6.66
9	Nitrobenzene	1000.000	986.987	1.3	102	0.00	7.08- 7.88

Continuing Calibration Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1423-CC1412
 Lab FileID: BB050333.D

10	Nitroglycerin	5000.000	4848.519	3.0	99	0.01	8.71- 9.71
11	Tetryl	1000.000	1050.278	-5.0	107	0.02	9.08- 9.88
12	2,4,6-Trinitrotoluene	1000.000	1055.078	-5.5	103	0.02	9.51-10.31
13	2-Amino-4,6-Dinitrotol	1000.000	1109.530	-11.0	107	0.03	9.93-10.73
		----- Amount	Calc.	%Drift	-----		
14	4-Amino-2,6-Dinitrotol	1000.000	1013.999	-1.4	102	0.02	10.46-11.26
15 S	3,4-Dinitrotoluene	1000.000	1002.702	-0.3	101	0.01	10.76-11.56
		----- Amount	Calc.	%Drift	-----		
16	2,4-Dinitrotoluene	1000.000	1029.874	-3.0	99	0.01	11.44-12.23
17	2,6-Dinitrotoluene	1000.000	1035.822	-3.6	98	0.00	11.87-12.67
18	o-Nitrotoluene	1000.000	1061.194	-6.1	104	-0.02	14.02-15.02
19	p-Nitrotoluene	1000.000	1087.052	-8.7	103	0.00	14.40-15.40
20	m-Nitrotoluene	1000.000	1060.616	-6.1	105	-0.01	14.94-15.94
21	PETN	5000.000	4968.837	0.6	99	0.00	16.46-17.66

(#) = Out of Range
 BB049971.D 8330B_0224.M

SPCC's out = 0 CCC's out = 0
 Wed Mar 16 09:16:51 2016

6.8.4

6

Continuing Calibration Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1423-CC1412
 Lab FileID: BB050344.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050344.D\dad1B.ch Vial: 42
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050344.D\dad1A.ch
 Acq On : 15-Mar-2016, 12:46:33 Operator: kismet1
 Sample : ccl412-1000 Inst : G1315B
 Misc : op59619,GBB1423,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	TNX	1000.000	909.819	9.0	88	1.04- 1.64
2	HMX	1000.000	934.906	6.5	97	1.09- 1.69
3	DNX	1000.000	948.996	5.1	100	1.41- 2.01
4	MNX	1000.000	977.613	2.2	100	1.99- 2.59
5	RDX	1000.000	946.682	5.3	101	2.48- 3.28
6	1,3,5-Trinitrobenzene	1000.000	978.138	2.2	101	4.17- 4.97
7	1,3-Dinitrobenzene	1000.000	980.178	2.0	100	5.44- 6.24
8	3,5-Dinitroaniline	1000.000	894.186	10.6	93	5.86- 6.66
9	Nitrobenzene	1000.000	1002.356	-0.2	102	7.08- 7.88
10	Nitroglycerin			NA		
11	Tetryl	1000.000	1074.443	-7.4	106	9.09- 9.89
12	2,4,6-Trinitrotoluene	1000.000	1023.608	-2.4	99	9.51-10.31
----- Amount Calc. %Drift -----						
13	2-Amino-4,6-Dinitrotol	1000.000	1012.974	-1.3	101	9.93-10.73
14	4-Amino-2,6-Dinitrotol	1000.000	952.924	4.7	98	10.46-11.26
----- Amount Calc. %Drift -----						
15 S	3,4-Dinitrotoluene	1000.000	936.826	6.3	99	10.77-11.57
16	2,4-Dinitrotoluene	1000.000	972.792	2.7	100	11.43-12.23
17	2,6-Dinitrotoluene	1000.000	968.623	3.1	99	11.87-12.67
18	o-Nitrotoluene	1000.000	993.864	0.6	102	14.14-15.02
19	p-Nitrotoluene	1000.000	990.891	0.9	102	14.40-15.40
20	m-Nitrotoluene	1000.000	990.830	0.9	101	14.94-15.94
21	PETN			NA		

***** Signal #2 *****

1	TNX	1000.000	956.787	4.3	94	1.04- 1.64
2	HMX	1000.000	1020.040	-2.0	105	1.12- 1.72
----- Amount Calc. %Drift -----						
3	DNX	1000.000	1007.434	-0.7	102	1.41- 2.01
----- Amount Calc. %Drift -----						
4	MNX	1000.000	972.109	2.8	99	1.99- 2.59
5	RDX	1000.000	975.433	2.5	100	2.48- 3.28
6	1,3,5-Trinitrobenzene	1000.000	982.819	1.7	101	4.17- 4.97
7	1,3-Dinitrobenzene	1000.000	1023.600	-2.4	104	5.44- 6.24
8	3,5-Dinitroaniline	1000.000	910.298	9.0	93	5.86- 6.66
9	Nitrobenzene	1000.000	998.753	0.1	104	7.08- 7.88

Continuing Calibration Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1423-CC1412
 Lab FileID: BB050344.D

10	Nitroglycerin	5000.000	4828.560	3.4	98	0.03	8.71- 9.71
11	Tetryl	1000.000	1053.023	-5.3	107	0.03	9.08- 9.88
12	2,4,6-Trinitrotoluene	1000.000	1047.555	-4.8	103	0.04	9.51-10.31
13	2-Amino-4,6-Dinitrotol	1000.000	1104.581	-10.5	106	0.04	9.93-10.73
		----- Amount	Calc.	%Drift	-----		
14	4-Amino-2,6-Dinitrotol	1000.000	1009.714	-1.0	101	0.04	10.46-11.26
15 S	3,4-Dinitrotoluene	1000.000	991.336	0.9	100	0.04	10.76-11.56
		----- Amount	Calc.	%Drift	-----		
16	2,4-Dinitrotoluene	1000.000	1026.339	-2.6	99	0.03	11.44-12.23
17	2,6-Dinitrotoluene	1000.000	1023.802	-2.4	97	0.03	11.87-12.67
18	o-Nitrotoluene	1000.000	1038.971	-3.9	102	0.00	14.02-15.02
19	p-Nitrotoluene	1000.000	1106.773	-10.7	105	0.00	14.40-15.40
20	m-Nitrotoluene	1000.000	1067.783	-6.8	106	0.00	14.94-15.94
21	PETN	5000.000	4921.850	1.6	98	0.02	16.46-17.66

(#) = Out of Range
 BB049971.D 8330B_0224.M

SPCC's out = 0 CCC's out = 0
 Wed Mar 16 09:16:52 2016

6.8.5

6

Continuing Calibration Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1423-CC1412
 Lab FileID: BB050356.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050356.D\dad1B.ch Vial: 85
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050356.D\dad1A.ch
 Acq On : 15-Mar-2016, 17:56:44 Operator: kismet1
 Sample : ccl412-1000 Inst : G1315B
 Misc : op59619,GBB1423,1000,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 TNX	1000.000	952.814	4.7	92	0.00	1.04- 1.64
2 HMX	1000.000	1056.323	-5.6	110	0.00	1.09- 1.69
3 DNX	1000.000	959.774	4.0	101	0.00	1.41- 2.01
4 MNX	1000.000	982.188	1.8	100	0.00	1.99- 2.59
5 RDX	1000.000	970.242	3.0	103	0.01	2.48- 3.28
6 1,3,5-Trinitrobenzene	1000.000	1006.244	-0.6	104	0.02	4.17- 4.97
7 1,3-Dinitrobenzene	1000.000	1004.025	-0.4	103	0.02	5.44- 6.24
8 3,5-Dinitroaniline	1000.000	912.204	8.8	95	0.02	5.86- 6.66
9 Nitrobenzene	1000.000	1025.745	-2.6	104	0.02	7.08- 7.88
10 Nitroglycerin			-----NA-----			
11 Tetryl	1000.000	1065.924	-6.6	105	0.03	9.09- 9.89
12 2,4,6-Trinitrotoluene	1000.000	1044.481	-4.4	101	0.03	9.51-10.31
----- Amount Calc. %Drift -----						
13 2-Amino-4,6-Dinitrotol	1000.000	1034.403	-3.4	103	0.04	9.93-10.73
14 4-Amino-2,6-Dinitrotol	1000.000	972.108	2.8	100	0.04	10.46-11.26
----- Amount Calc. %Drift -----						
15 S 3,4-Dinitrotoluene	1000.000	954.013	4.6	100	0.04	10.77-11.57
16 2,4-Dinitrotoluene	1000.000	991.271	0.9	102	0.03	11.43-12.23
17 2,6-Dinitrotoluene	1000.000	991.199	0.9	101	0.03	11.87-12.67
18 o-Nitrotoluene	1000.000	1032.304	-3.2	106	0.01	14.14-15.02
19 p-Nitrotoluene	1000.000	1045.056	-4.5	107	0.02	14.40-15.40
20 m-Nitrotoluene	1000.000	1039.782	-4.0	106	0.02	14.94-15.94
21 PETN			-----NA-----			

***** Signal #2 *****

1 TNX	1000.000	976.240	2.4	96	0.00	1.04- 1.64
2 HMX	1000.000	1043.264	-4.3	107	0.00	1.12- 1.72
----- Amount Calc. %Drift -----						
3 DNX	1000.000	1028.248	-2.8	104	0.00	1.41- 2.01
----- Amount Calc. %Drift -----						
4 MNX	1000.000	993.016	0.7	101	0.00	1.99- 2.59
5 RDX	1000.000	1004.142	-0.4	103	0.01	2.48- 3.28
6 1,3,5-Trinitrobenzene	1000.000	1009.651	-1.0	104	0.02	4.17- 4.97
7 1,3-Dinitrobenzene	1000.000	1052.887	-5.3	107	0.02	5.44- 6.24
8 3,5-Dinitroaniline	1000.000	933.265	6.7	95	0.02	5.86- 6.66
9 Nitrobenzene	1000.000	1010.221	-1.0	105	0.01	7.08- 7.88

6.8.6

9

Continuing Calibration Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1423-CC1412
 Lab FileID: BB050356.D

10	Nitroglycerin	5000.000	4916.189	1.7	100	0.03	8.71- 9.71
11	Tetryl	1000.000	1071.204	-7.1	109	0.04	9.08- 9.88
12	2,4,6-Trinitrotoluene	1000.000	1071.761	-7.2	105	0.04	9.51-10.31
13	2-Amino-4,6-Dinitrotol	1000.000	1130.337	-13.0	109	0.04	9.93-10.73
		----- Amount	Calc.	%Drift	-----		
14	4-Amino-2,6-Dinitrotol	1000.000	1032.359	-3.2	104	0.04	10.46-11.26
15 S	3,4-Dinitrotoluene	1000.000	1014.327	-1.4	102	0.04	10.76-11.56
		----- Amount	Calc.	%Drift	-----		
16	2,4-Dinitrotoluene	1000.000	1050.047	-5.0	101	0.03	11.44-12.23
17	2,6-Dinitrotoluene	1000.000	1053.015	-5.3	100	0.03	11.87-12.67
18	o-Nitrotoluene	1000.000	1060.017	-6.0	104	0.01	14.02-15.02
19	p-Nitrotoluene	1000.000	1125.646	-12.6	107	0.02	14.40-15.40
20	m-Nitrotoluene	1000.000	1096.611	-9.7	109	0.02	14.94-15.94
21	PETN	5000.000	5031.157	-0.6	100	0.02	16.46-17.66

(#) = Out of Range
 BB049971.D 8330B_0224.M

SPCC's out = 0 CCC's out = 0
 Wed Mar 16 09:16:53 2016

6.8.6

9

Continuing Calibration Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1424-CC1412
 Lab FileID: BB050408.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050408.D\dad1B.ch Vial: 48
 Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050408.D\dad1A.ch
 Acq On : 16-Mar-2016, 16:19:48 Operator: kismet1
 Sample : ccl412-1000 Inst : G1315B
 Misc : op59696,GBB1424,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Mar 17 07:11:30 2016
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	TNX	1000.000	976.474	2.4	95	0.00	1.03- 1.63
2	HMX	1000.000	1026.651	-2.7	107	0.00	1.09- 1.69
3	DNX	1000.000	973.987	2.6	103	0.00	1.40- 2.00
4	MNX	1000.000	990.310	1.0	101	0.00	1.97- 2.57
5	RDX	1000.000	970.060	3.0	103	0.00	2.46- 3.26
6	1,3,5-Trinitrobenzene	1000.000	1000.795	-0.1	103	0.00	4.15- 4.95
7	1,3-Dinitrobenzene	1000.000	1000.626	-0.1	103	0.00	5.42- 6.22
8	3,5-Dinitroaniline	1000.000	915.018	8.5	95	0.00	5.83- 6.63
9	Nitrobenzene	1000.000	1022.386	-2.2	104	0.00	7.08- 7.88
10	Nitroglycerin			-----NA-----			
11	Tetryl	1000.000	1067.273	-6.7	105	0.00	9.05- 9.85
12	2,4,6-Trinitrotoluene	1000.000	1044.801	-4.5	101	0.00	9.47-10.27
		----- Amount	Calc.	%Drift	-----		
13	2-Amino-4,6-Dinitrotol	1000.000	1039.010	-3.9	104	0.00	9.88-10.68
14	4-Amino-2,6-Dinitrotol	1000.000	983.712	1.6	101	0.00	10.41-11.21
		----- Amount	Calc.	%Drift	-----		
15 S	3,4-Dinitrotoluene	1000.000	947.150	5.3	100	0.00	10.74-11.54
16	2,4-Dinitrotoluene	1000.000	995.489	0.5	102	0.00	11.41-12.21
17	2,6-Dinitrotoluene	1000.000	991.306	0.9	101	0.00	11.85-12.65
18	o-Nitrotoluene	1000.000	1010.977	-1.1	104	0.00	14.16-15.03
19	p-Nitrotoluene	1000.000	1015.193	-1.5	104	0.00	14.40-15.40
20	m-Nitrotoluene	1000.000	1013.584	-1.4	103	0.00	14.96-15.96
21	PETN			-----NA-----			

***** Signal #2 *****

1	TNX	1000.000	959.722	4.0	94	0.00	1.03- 1.63
2	HMX	1000.000	1046.509	-4.7	108	0.00	1.11- 1.71
		----- Amount	Calc.	%Drift	-----		
3	DNX	1000.000	1022.642	-2.3	104	0.00	1.40- 2.00
		----- Amount	Calc.	%Drift	-----		
4	MNX	1000.000	984.795	1.5	101	0.00	1.97- 2.57
5	RDX	1000.000	996.786	0.3	102	0.00	2.46- 3.26
6	1,3,5-Trinitrobenzene	1000.000	1006.666	-0.7	103	0.00	4.15- 4.95
7	1,3-Dinitrobenzene	1000.000	1046.285	-4.6	106	0.00	5.42- 6.22
8	3,5-Dinitroaniline	1000.000	938.671	6.1	96	0.00	5.83- 6.63
9	Nitrobenzene	1000.000	1007.011	-0.7	104	0.00	7.08- 7.88

Continuing Calibration Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1424-CC1412
 Lab FileID: BB050408.D

10	Nitroglycerin	5000.000	4912.432	1.8	100	0.00	8.69- 9.69
11	Tetryl	1000.000	1074.037	-7.4	109	0.00	9.05- 9.85
12	2,4,6-Trinitrotoluene	1000.000	1073.914	-7.4	105	0.00	9.47-10.27
13	2-Amino-4,6-Dinitrotol	1000.000	1143.952	-14.4	110	0.00	9.88-10.68
		----- Amount	Calc.	%Drift	-----		
14	4-Amino-2,6-Dinitrotol	1000.000	1043.064	-4.3	105	0.00	10.41-11.21
15 S	3,4-Dinitrotoluene	1000.000	1003.130	-0.3	101	0.00	10.74-11.54
		----- Amount	Calc.	%Drift	-----		
16	2,4-Dinitrotoluene	1000.000	1051.977	-5.2	101	0.00	11.41-12.21
17	2,6-Dinitrotoluene	1000.000	1045.929	-4.6	99	0.00	11.85-12.65
18	o-Nitrotoluene	1000.000	1065.035	-6.5	105	0.00	14.03-15.03
19	p-Nitrotoluene	1000.000	1118.280	-11.8	106	0.00	14.40-15.40
20	m-Nitrotoluene	1000.000	1084.604	-8.5	108	0.00	14.96-15.96
21	PETN	5000.000	4461.432	10.8	89	0.00	16.45-17.65

(#) = Out of Range
 BB049971.D 8330B_0224.M

SPCC's out = 0 CCC's out = 0
 Thu Mar 17 08:52:57 2016

6.8.7

6

Continuing Calibration Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1424-CC1412
 Lab FileID: BB050419.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050419.D\dad1B.ch Vial: 48
 Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050419.D\dad1A.ch
 Acq On : 16-Mar-2016, 21:00:13 Operator: kismet1
 Sample : ccl412-1000 Inst : G1315B
 Misc : op59696,GBB1424,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Mar 17 07:11:30 2016
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	TNX	1000.000	972.811	2.7	94	0.00 1.03- 1.63
2	HMX	1000.000	1024.056	-2.4	107	0.00 1.09- 1.69
3	DNX	1000.000	961.616	3.8	101	0.00 1.40- 2.00
4	MNX	1000.000	988.593	1.1	101	0.00 1.97- 2.57
5	RDX	1000.000	962.621	3.7	102	0.00 2.46- 3.26
6	1,3,5-Trinitrobenzene	1000.000	993.331	0.7	103	0.00 4.15- 4.95
7	1,3-Dinitrobenzene	1000.000	996.621	0.3	102	0.00 5.42- 6.22
8	3,5-Dinitroaniline	1000.000	909.685	9.0	94	0.00 5.83- 6.63
9	Nitrobenzene	1000.000	1033.593	-3.4	105	0.00 7.08- 7.88
10	Nitroglycerin			NA		
11	Tetryl	1000.000	1077.482	-7.7	106	0.00 9.05- 9.85
12	2,4,6-Trinitrotoluene	1000.000	1039.596	-4.0	101	0.00 9.47-10.27
----- Amount Calc. %Drift -----						
13	2-Amino-4,6-Dinitrotol	1000.000	1032.222	-3.2	103	0.00 9.88-10.68
14	4-Amino-2,6-Dinitrotol	1000.000	972.065	2.8	100	0.00 10.41-11.21
----- Amount Calc. %Drift -----						
15 S	3,4-Dinitrotoluene	1000.000	942.160	5.8	99	0.00 10.74-11.54
16	2,4-Dinitrotoluene	1000.000	989.665	1.0	102	0.00 11.41-12.21
17	2,6-Dinitrotoluene	1000.000	984.968	1.5	100	0.00 11.85-12.65
18	o-Nitrotoluene	1000.000	1026.020	-2.6	106	0.01 14.16-15.03
19	p-Nitrotoluene	1000.000	1041.315	-4.1	107	0.00 14.40-15.40
20	m-Nitrotoluene	1000.000	1052.028	-5.2	107	0.00 14.96-15.96
21	PETN			NA		

***** Signal #2 *****

1	TNX	1000.000	948.320	5.2	93	0.00 1.03- 1.63
2	HMX	1000.000	1045.627	-4.6	108	0.00 1.11- 1.71
----- Amount Calc. %Drift -----						
3	DNX	1000.000	1002.474	-0.2	102	0.00 1.40- 2.00
----- Amount Calc. %Drift -----						
4	MNX	1000.000	982.386	1.8	100	0.00 1.97- 2.57
5	RDX	1000.000	991.114	0.9	102	0.00 2.46- 3.26
6	1,3,5-Trinitrobenzene	1000.000	1002.865	-0.3	103	0.00 4.15- 4.95
7	1,3-Dinitrobenzene	1000.000	1039.408	-3.9	106	0.00 5.42- 6.22
8	3,5-Dinitroaniline	1000.000	931.495	6.9	95	0.00 5.83- 6.63
9	Nitrobenzene	1000.000	1011.379	-1.1	105	0.00 7.08- 7.88

6.8.8

9

Continuing Calibration Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1424-CC1412
 Lab FileID: BB050419.D

10	Nitroglycerin	5000.000	4869.316	2.6	99	0.00	8.69- 9.69
11	Tetryl	1000.000	1072.357	-7.2	109	0.00	9.05- 9.85
12	2,4,6-Trinitrotoluene	1000.000	1074.549	-7.5	105	0.00	9.47-10.27
13	2-Amino-4,6-Dinitrotol	1000.000	1137.988	-13.8	110	0.00	9.88-10.68
		----- Amount	Calc.	%Drift	-----		
14	4-Amino-2,6-Dinitrotol	1000.000	1037.468	-3.7	104	0.00	10.41-11.21
15 S	3,4-Dinitrotoluene	1000.000	1001.560	-0.2	101	0.00	10.74-11.54
		----- Amount	Calc.	%Drift	-----		
16	2,4-Dinitrotoluene	1000.000	1044.266	-4.4	100	0.00	11.41-12.21
17	2,6-Dinitrotoluene	1000.000	1044.477	-4.4	99	0.00	11.85-12.65
18	o-Nitrotoluene	1000.000	1057.957	-5.8	104	0.00	14.03-15.03
19	p-Nitrotoluene	1000.000	1121.860	-12.2	107	0.00	14.40-15.40
20	m-Nitrotoluene	1000.000	1079.191	-7.9	107	0.00	14.96-15.96
21	PETN	5000.000	4385.974	12.3	87	0.00	16.45-17.65

(#) = Out of Range
 BB049971.D 8330B_0224.M

SPCC's out = 0 CCC's out = 0
 Thu Mar 17 08:52:58 2016

6.8.8

6

Continuing Calibration Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1424-CC1412
 Lab FileID: BB050430.D

Evaluate Continuing Calibration Report

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050430.D\dad1B.ch Vial: 48
 Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050430.D\dad1A.ch
 Acq On : 17-Mar-2016, 01:40:32 Operator: kismet1
 Sample : ccl412-1000 Inst : G1315B
 Misc : op59696,GBB1424,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e

Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Mar 17 07:11:30 2016
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 15% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT	Window
1	TNX	1000.000	917.515	8.2	89	0.00	1.03- 1.63
2	HMX	1000.000	996.614	0.3	104	0.00	1.09- 1.69
3	DNX	1000.000	968.299	3.2	102	0.00	1.40- 2.00
4	MNX	1000.000	990.766	0.9	101	0.00	1.97- 2.57
5	RDX	1000.000	960.528	3.9	102	0.00	2.46- 3.26
6	1,3,5-Trinitrobenzene	1000.000	995.414	0.5	103	0.00	4.15- 4.95
7	1,3-Dinitrobenzene	1000.000	996.380	0.4	102	0.00	5.42- 6.22
8	3,5-Dinitroaniline	1000.000	911.351	8.9	95	0.00	5.83- 6.63
9	Nitrobenzene	1000.000	1023.820	-2.4	104	0.00	7.08- 7.88
10	Nitroglycerin			NA			
11	Tetryl	1000.000	1075.172	-7.5	106	0.00	9.05- 9.85
12	2,4,6-Trinitrotoluene	1000.000	1039.475	-3.9	101	0.00	9.47-10.27
----- Amount Calc. %Drift -----							
13	2-Amino-4,6-Dinitrotol	1000.000	1028.991	-2.9	103	0.00	9.88-10.68
14	4-Amino-2,6-Dinitrotol	1000.000	965.922	3.4	99	0.00	10.41-11.21
----- Amount Calc. %Drift -----							
15 S	3,4-Dinitrotoluene	1000.000	942.846	5.7	99	0.00	10.74-11.54
16	2,4-Dinitrotoluene	1000.000	985.682	1.4	101	0.00	11.41-12.21
17	2,6-Dinitrotoluene	1000.000	981.063	1.9	100	0.00	11.85-12.65
18	o-Nitrotoluene	1000.000	1007.754	-0.8	104	0.01	14.16-15.03
19	p-Nitrotoluene	1000.000	1013.985	-1.4	104	0.00	14.40-15.40
20	m-Nitrotoluene	1000.000	1010.274	-1.0	103	0.00	14.96-15.96
21	PETN			NA			

***** Signal #2 *****

1	TNX	1000.000	947.752	5.2	93	0.00	1.03- 1.63
2	HMX	1000.000	1042.541	-4.3	107	0.00	1.11- 1.71
----- Amount Calc. %Drift -----							
3	DNX	1000.000	1022.621	-2.3	104	0.00	1.40- 2.00
----- Amount Calc. %Drift -----							
4	MNX	1000.000	989.509	1.0	101	0.00	1.97- 2.57
5	RDX	1000.000	993.403	0.7	102	0.00	2.46- 3.26
6	1,3,5-Trinitrobenzene	1000.000	1000.630	-0.1	103	0.00	4.15- 4.95
7	1,3-Dinitrobenzene	1000.000	1036.083	-3.6	105	0.00	5.42- 6.22
8	3,5-Dinitroaniline	1000.000	927.365	7.3	95	0.00	5.83- 6.63
9	Nitrobenzene	1000.000	1015.279	-1.5	105	0.00	7.08- 7.88

6.8.9

9

Continuing Calibration Summary

Job Number: FA31932
 Account: KEMCAM Kemron Environmental Services, Inc
 Project: Ft Ord; CA

Sample: GBB1424-CC1412
 Lab FileID: BB050430.D

10	Nitroglycerin	5000.000	4856.170	2.9	99	0.00	8.69- 9.69
11	Tetryl	1000.000	1069.306	-6.9	109	0.00	9.05- 9.85
12	2,4,6-Trinitrotoluene	1000.000	1071.235	-7.1	105	-0.01	9.47-10.27
13	2-Amino-4,6-Dinitrotol	1000.000	1133.612	-13.4	109	0.00	9.88-10.68
		----- Amount	Calc.	%Drift	-----		
14	4-Amino-2,6-Dinitrotol	1000.000	1032.645	-3.3	104	0.00	10.41-11.21
15 S	3,4-Dinitrotoluene	1000.000	1004.276	-0.4	101	0.00	10.74-11.54
		----- Amount	Calc.	%Drift	-----		
16	2,4-Dinitrotoluene	1000.000	1041.238	-4.1	100	0.00	11.41-12.21
17	2,6-Dinitrotoluene	1000.000	1040.830	-4.1	99	0.00	11.85-12.65
18	o-Nitrotoluene	1000.000	1061.216	-6.1	104	0.01	14.03-15.03
19	p-Nitrotoluene	1000.000	1130.467	-13.0	108	0.00	14.40-15.40
20	m-Nitrotoluene	1000.000	1071.655	-7.2	106	0.00	14.96-15.96
21	PETN	5000.000	4331.928	13.4	86	-0.02	16.45-17.65

(#) = Out of Range
 BB049971.D 8330B_0224.M

SPCC's out = 0 CCC's out = 0
 Thu Mar 17 08:52:59 2016

6.8.9

9

GC Semi-volatiles

Raw Data

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050346.D\dad1B.ch Vial: 53
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050346.D\dad1A.ch
 Acq On : 15-Mar-2016, 13:41:43 Operator: kismet1
 Sample : FA31932-1 Inst : G1315B
 Misc : op59710,GBB1423,10.3,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 06:50:30 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.21	11.21	1073412	1844188	470.222	508.579m
	Spiked Amount	500.000	Range	69 - 134	Recovery	= 94.04%	101.72%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	0.00	0.00	0	0	N.D. d	N.D. d
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D. d	N.D. d
5)	RDX	0.00	0.00	0	0	N.D. d	N.D. d
6)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D. d	N.D. d
7)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D. d	N.D. d
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D. d	N.D. d
9)	Nitrobenzene	0.00	0.00	0	0	N.D. d	N.D. d
10)	Nitroglycerin	0.00	0.00	0	0	N.D.	N.D.
11)	Tetryl	0.00	0.00	0	0	N.D.	N.D.
12)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
13)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
14)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
16)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
17)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
18)	o-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
19)	p-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
20)	m-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
21)	PETN	0.00	0.00	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050346.D 8330B_0224.M Wed Mar 16 09:20:06 2016

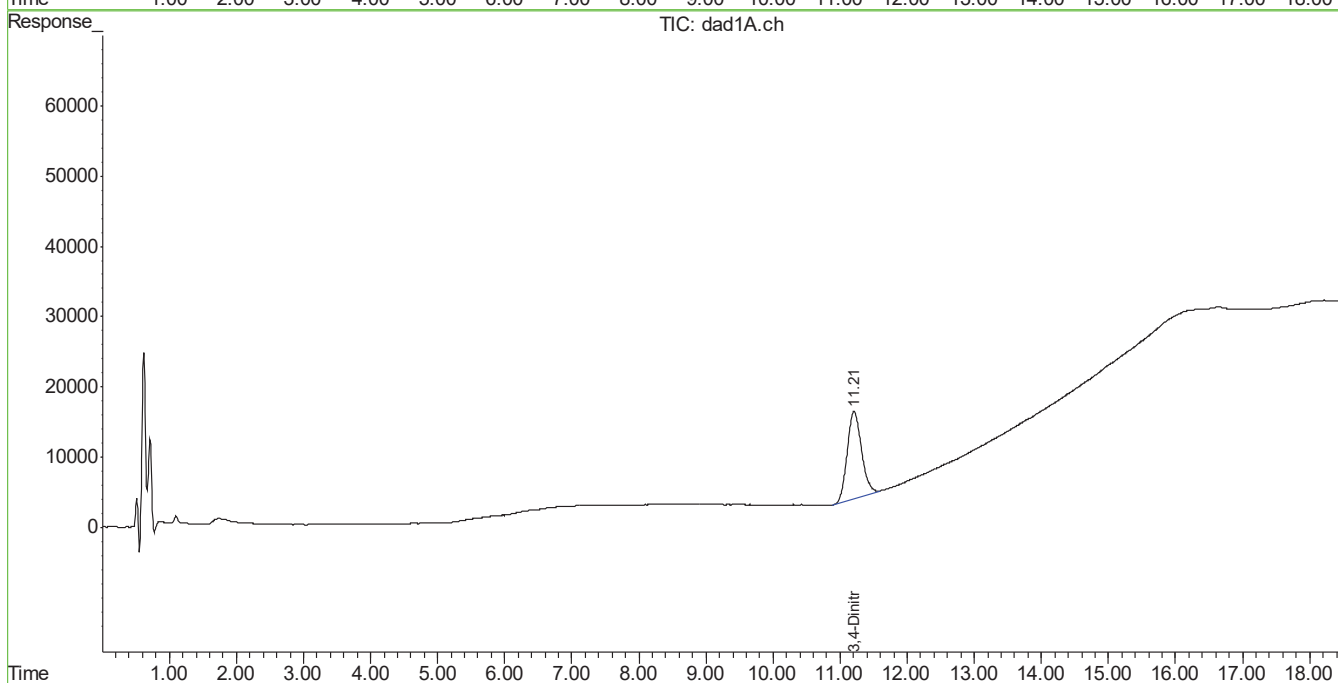
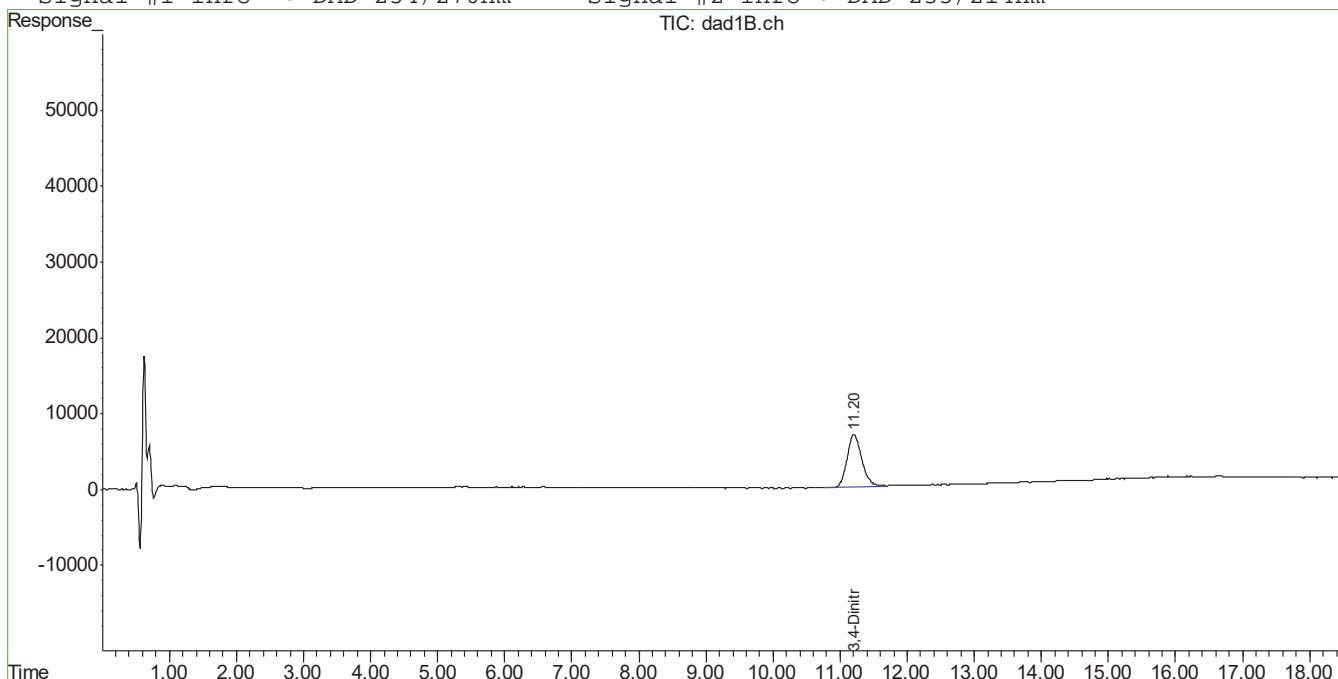
7.1.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050346.D\dad1B.ch Vial: 53
Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050346.D\dad1A.ch
Acq On : 15-Mar-2016, 13:41:43 Operator: kismet1
Sample : FA31932-1 Inst : G1315B
Misc : op59710,GBB1423,10.3,,,50,1,soil Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 16 8:33 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Wed Mar 16 06:50:00 2016
Response via : Multiple Level Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.1.1
7

Manual Integration Approval Summary

Sample Number: FA31932-1 Method: SW846 8330B
Lab FileID: BB050346.D Analyst approved: 03/16/16 09:50 Kismet Lugo
Injection Time: 03/15/16 13:41 Supervisor approved: 03/16/16 12:13 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
3,4-Dinitrotoluene	610-39-9	2	11.21	Poor instrument integration

7.1.1.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050336.D\dad1B.ch Vial: 45
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050336.D\dad1A.ch
 Acq On : 15-Mar-2016, 09:17:13 Operator: kismet1
 Sample : FA31932-4 Inst : G1315B
 Misc : op59619,GBB1423,1060,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 06:50:20 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.18	11.19	1075775	1825817	471.257m	503.668
	Spiked Amount	500.000	Range	70 - 136	Recovery	=	94.25% 100.73%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	0.00	0.00	0	0	N.D. d	N.D. d
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D. d	N.D. d
5)	RDX	0.00	0.00	0	0	N.D. d	N.D. d
6)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D. d	N.D. d
7)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D. d	N.D. d
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D.	N.D.
9)	Nitrobenzene	0.00	0.00	0	0	N.D. d	N.D. d
10)	Nitroglycerin	0.00	0.00	0	0	N.D. d	N.D. d
11)	Tetryl	0.00	0.00	0	0	N.D. d	N.D. d
12)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D. d	N.D. d
13)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D. d	N.D. d
14)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D. d	N.D. d
16)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
17)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
18)	o-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
19)	p-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
20)	m-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
21)	PETN	0.00	0.00	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050336.D 8330B_0224.M Wed Mar 16 09:19:56 2016

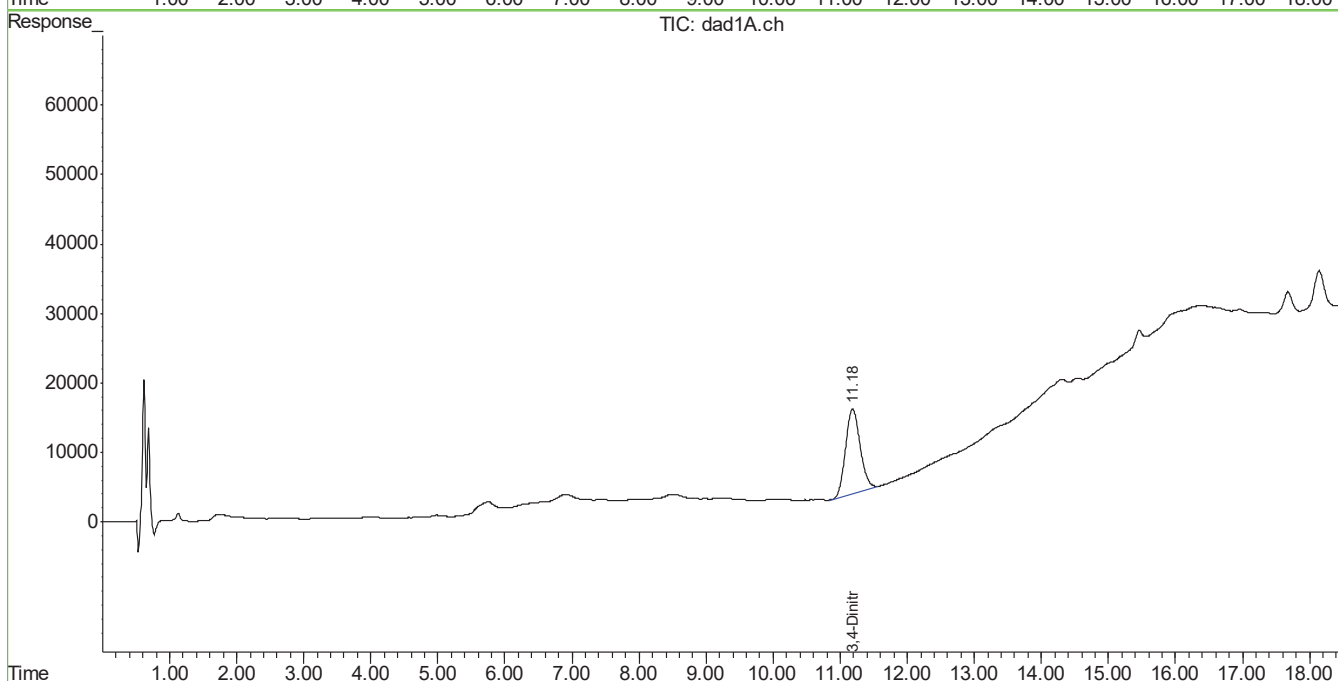
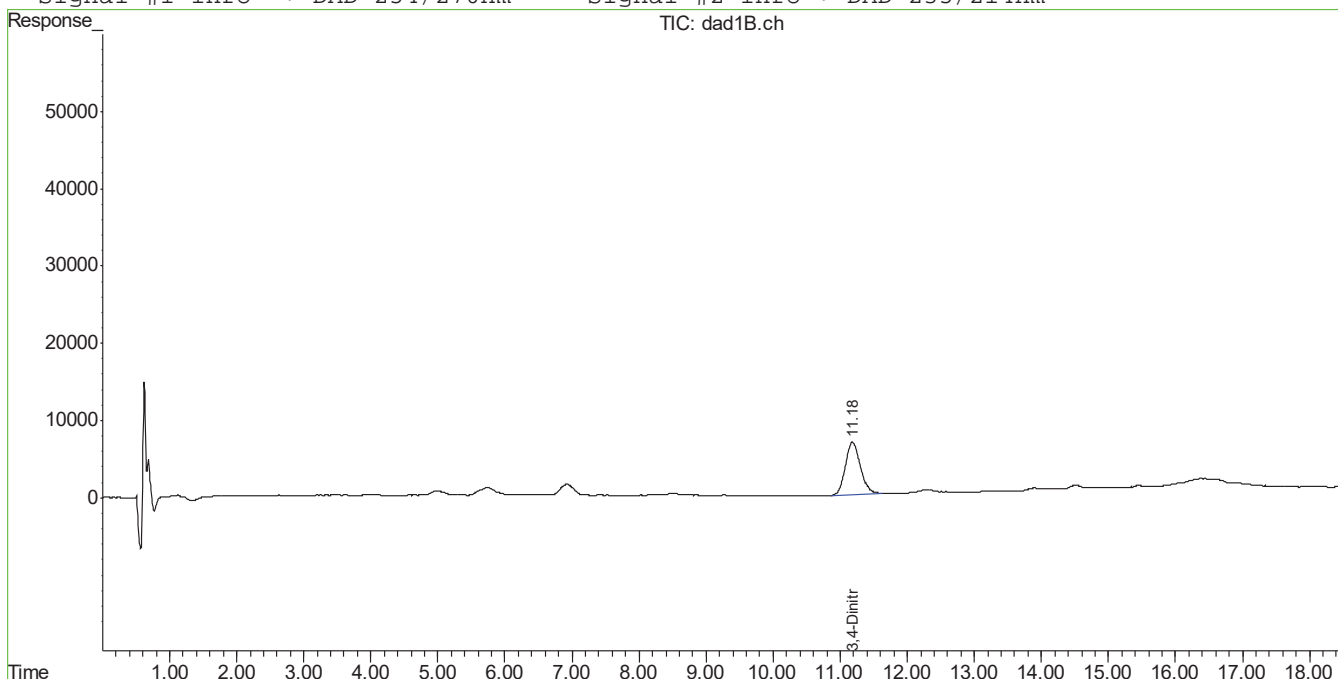
7.1.2
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050336.D\dad1B.ch Vial: 45
Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050336.D\dad1A.ch
Acq On : 15-Mar-2016, 09:17:13 Operator: kismet1
Sample : FA31932-4 Inst : G1315B
Misc : op59619,GBB1423,1060,,,10,1,water Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 16 8:19 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Wed Mar 16 06:50:00 2016
Response via : Multiple Level Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.1.2
7

Manual Integration Approval Summary

Sample Number: FA31932-4 Method: SW846 8330B
Lab FileID: BB050336.D Analyst approved: 03/16/16 09:43 Kismet Lugo
Injection Time: 03/15/16 09:17 Supervisor approved: 03/16/16 12:13 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
3,4-Dinitrotoluene	610-39-9	1	11.18	Poor instrument integration

7.1.2.1

7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050349.D\dad1B.ch Vial: 56
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050349.D\dad1A.ch
 Acq On : 15-Mar-2016, 14:58:09 Operator: kismet1
 Sample : FA31932-5 Inst : G1315B
 Misc : op59710,GBB1423,10.1,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 06:50:33 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.22	11.22	1069114	1789469	468.339	493.943
	Spiked Amount	500.000	Range	69 - 134	Recovery	=	93.67% 98.79%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	0.00	0.00	0	0	N.D. d	N.D. d
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D. d	N.D. d
5)	RDX	0.00	0.00	0	0	N.D. d	N.D. d
6)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D. d	N.D. d
7)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D. d	N.D. d
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D. d	N.D. d
9)	Nitrobenzene	0.00	0.00	0	0	N.D. d	N.D. d
10)	Nitroglycerin	0.00	0.00	0	0	N.D. d	N.D. d
11)	Tetryl	0.00	0.00	0	0	N.D. d	N.D. d
12)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
13)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
14)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
16)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
17)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
18)	o-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
19)	p-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
20)	m-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
21)	PETN	0.00	0.00	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050349.D 8330B_0224.M Wed Mar 16 09:20:09 2016

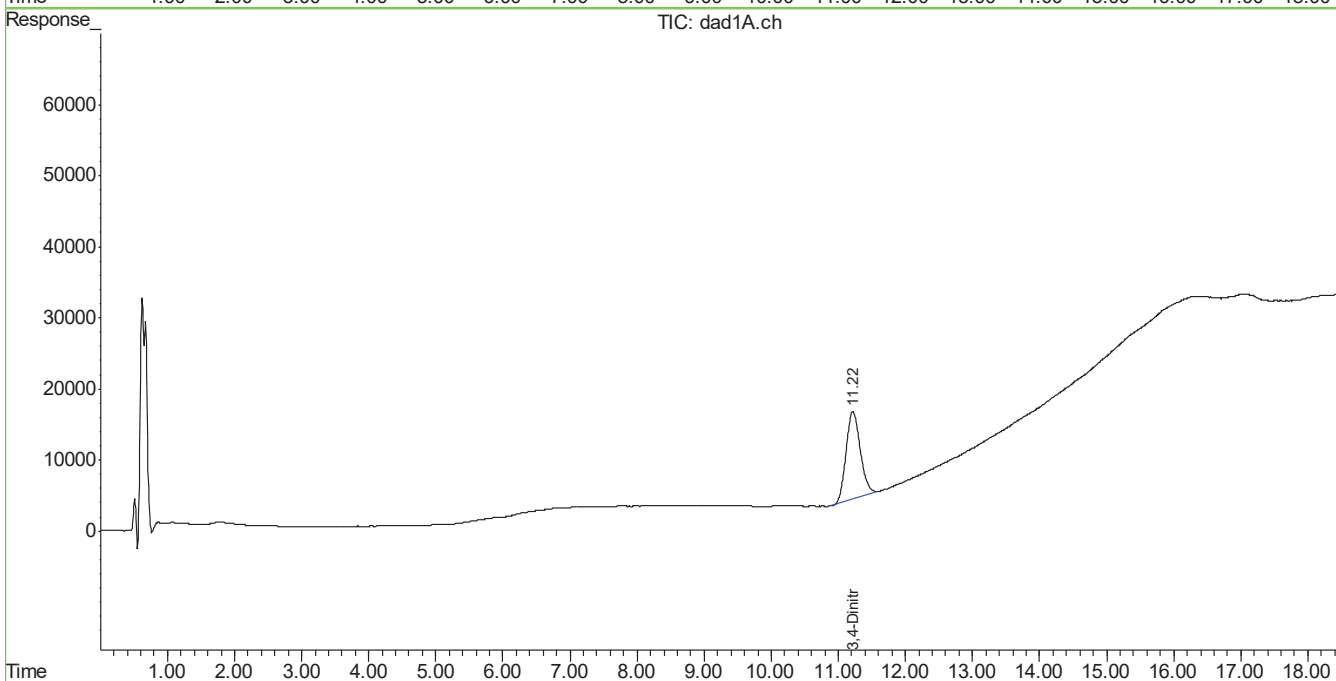
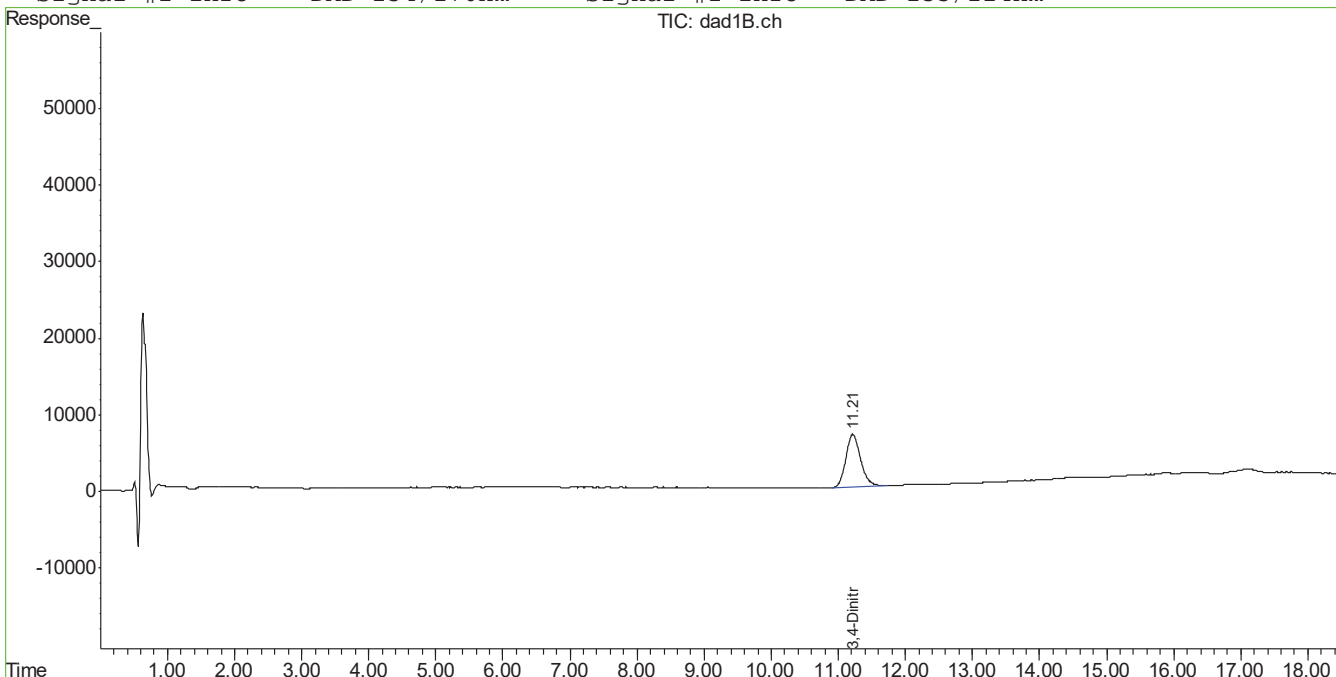
7.1.3
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050349.D\dad1B.ch Vial: 56
Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050349.D\dad1A.ch
Acq On : 15-Mar-2016, 14:58:09 Operator: kismet1
Sample : FA31932-5 Inst : G1315B
Misc : op59710,GBB1423,10.1,,,50,1,soil Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 16 8:39 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Wed Mar 16 06:50:00 2016
Response via : Multiple Level Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.1.3
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050343.D\dad1B.ch Vial: 52
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050343.D\dad1A.ch
 Acq On : 15-Mar-2016, 12:21:05 Operator: kismet1
 Sample : FA31932-8 Inst : G1315B
 Misc : op59710,GBB1423,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 06:50:27 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.20	11.20	1025276	1794498	449.136m	495.289m
	Spiked Amount	500.000	Range	69 - 134	Recovery	=	89.83% 99.06%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	0.00	0.00	0	0	N.D. d	N.D. d
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D. d	N.D. d
5)	RDX	0.00	0.00	0	0	N.D. d	N.D. d
6)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D. d	N.D. d
7)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D. d	N.D. d
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D. d	N.D. d
9)	Nitrobenzene	0.00	0.00	0	0	N.D. d	N.D. d
10)	Nitroglycerin	0.00	0.00	0	0	N.D. d	N.D. d
11)	Tetryl	0.00	0.00	0	0	N.D.	N.D.
12)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
13)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
14)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
16)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
17)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
18)	o-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
19)	p-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
20)	m-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
21)	PETN	0.00	0.00	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050343.D 8330B_0224.M Wed Mar 16 09:20:03 2016

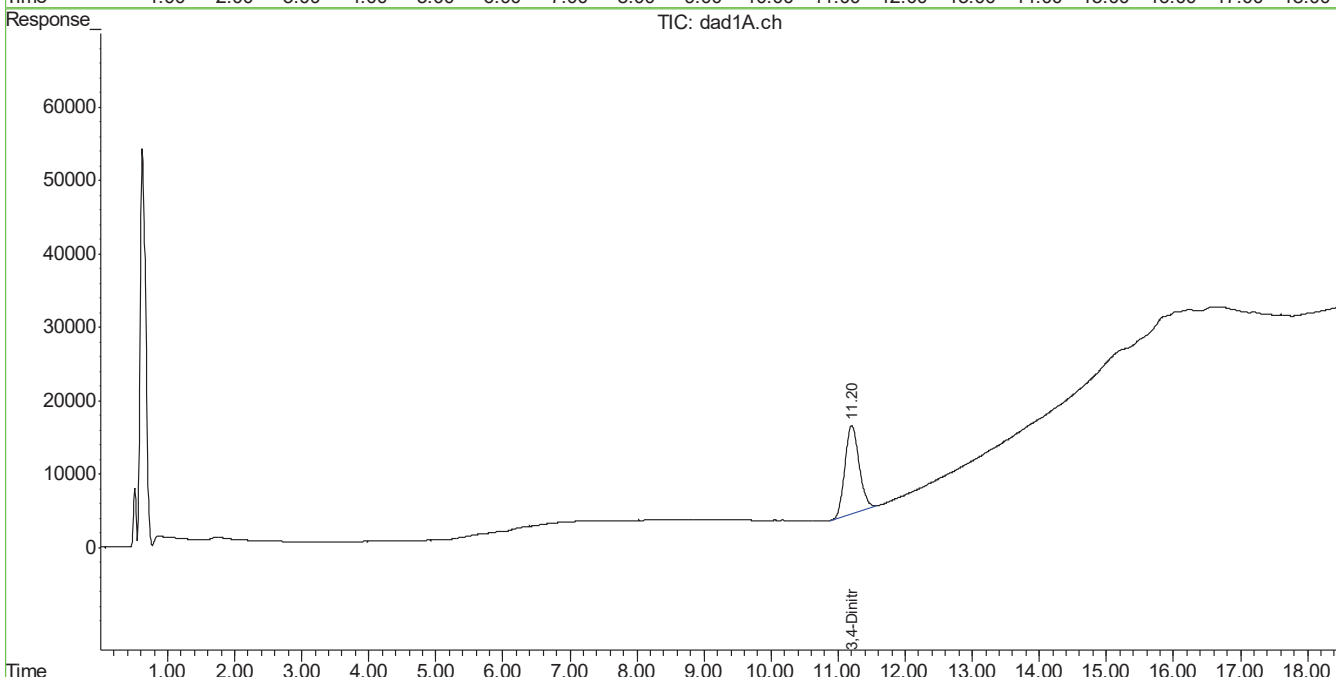
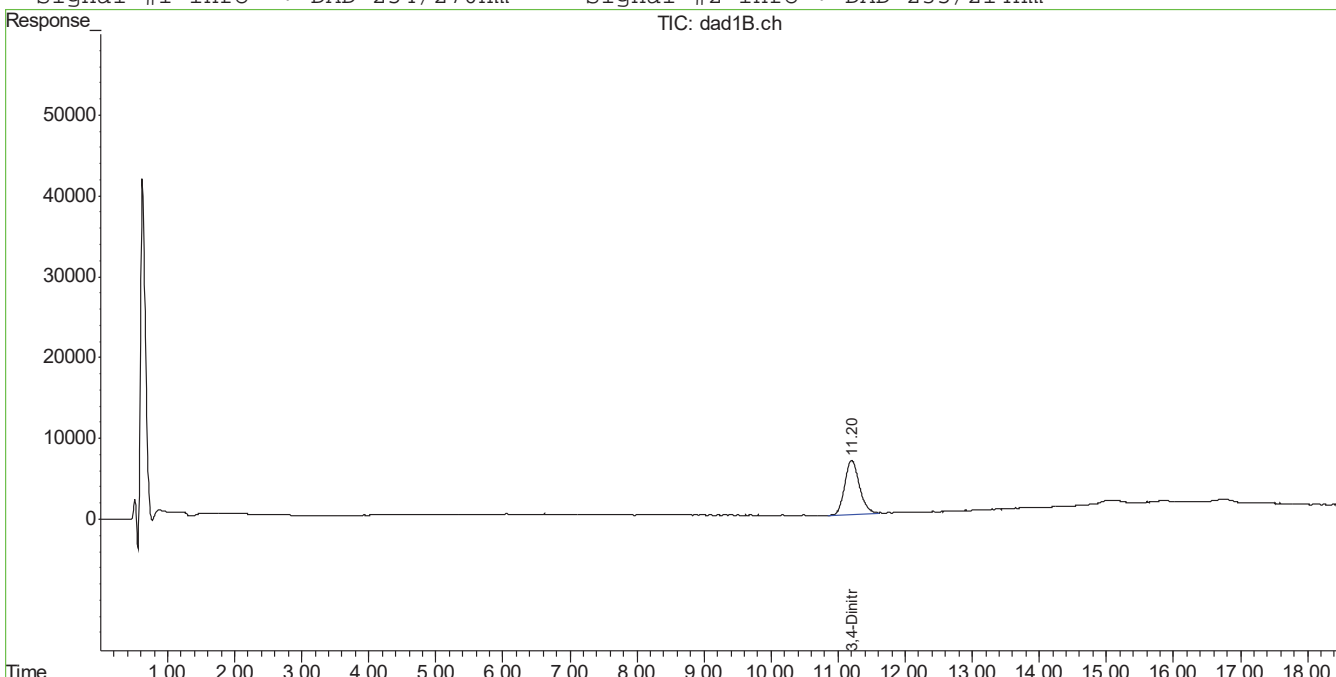
7.1.4
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050343.D\dad1B.ch Vial: 52
Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050343.D\dad1A.ch
Acq On : 15-Mar-2016, 12:21:05 Operator: kismet1
Sample : FA31932-8 Inst : G1315B
Misc : op59710,GBB1423,10.0,,,50,1,soil Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 16 8:33 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Wed Mar 16 06:50:00 2016
Response via : Multiple Level Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.1.4
7

Manual Integration Approval Summary

Sample Number: FA31932-8 Method: SW846 8330B
Lab FileID: BB050343.D Analyst approved: 03/16/16 09:50 Kismet Lugo
Injection Time: 03/15/16 12:21 Supervisor approved: 03/16/16 12:13 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
3,4-Dinitrotoluene	610-39-9	1	11.20	Poor instrument integration
3,4-Dinitrotoluene	610-39-9	2	11.20	Poor instrument integration

7.1.4.1

7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050352.D\dad1B.ch Vial: 59
Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050352.D\dad1A.ch
Acq On : 15-Mar-2016, 16:14:38 Operator: kismet1
Sample : FA31932-9 Inst : G1315B
Misc : op59710,GBB1423,10.2,,,50,1,soil Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 16 06:50:36 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Wed Mar 16 06:50:00 2016
Response via : Initial Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound RT#1 RT#2 Resp#1 Resp#2 ppb ppb

System Monitoring Compounds

15) S 3,4-Dinitrotolue 11.22 11.21 1029502 1770157 450.987 488.772m
Spiked Amount 500.000 Range 69 - 134 Recovery = 90.20% 97.75%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D.	N.D.
2)	HMX	0.00	0.00	0	0	N.D. d	N.D. d
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D. d	N.D. d
5)	RDX	0.00	0.00	0	0	N.D. d	N.D. d
6)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D. d	N.D. d
7)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D. d	N.D. d
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D. d	N.D. d
9)	Nitrobenzene	0.00	0.00	0	0	N.D. d	N.D. d
10)	Nitroglycerin	0.00	0.00	0	0	N.D. d	N.D. d
11)	Tetryl	0.00	0.00	0	0	N.D.	N.D.
12)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
13)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
14)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
16)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
17)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
18)	o-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
19)	p-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
20)	m-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
21)	PETN	0.00	0.00	0	0	N.D. d	N.D. d

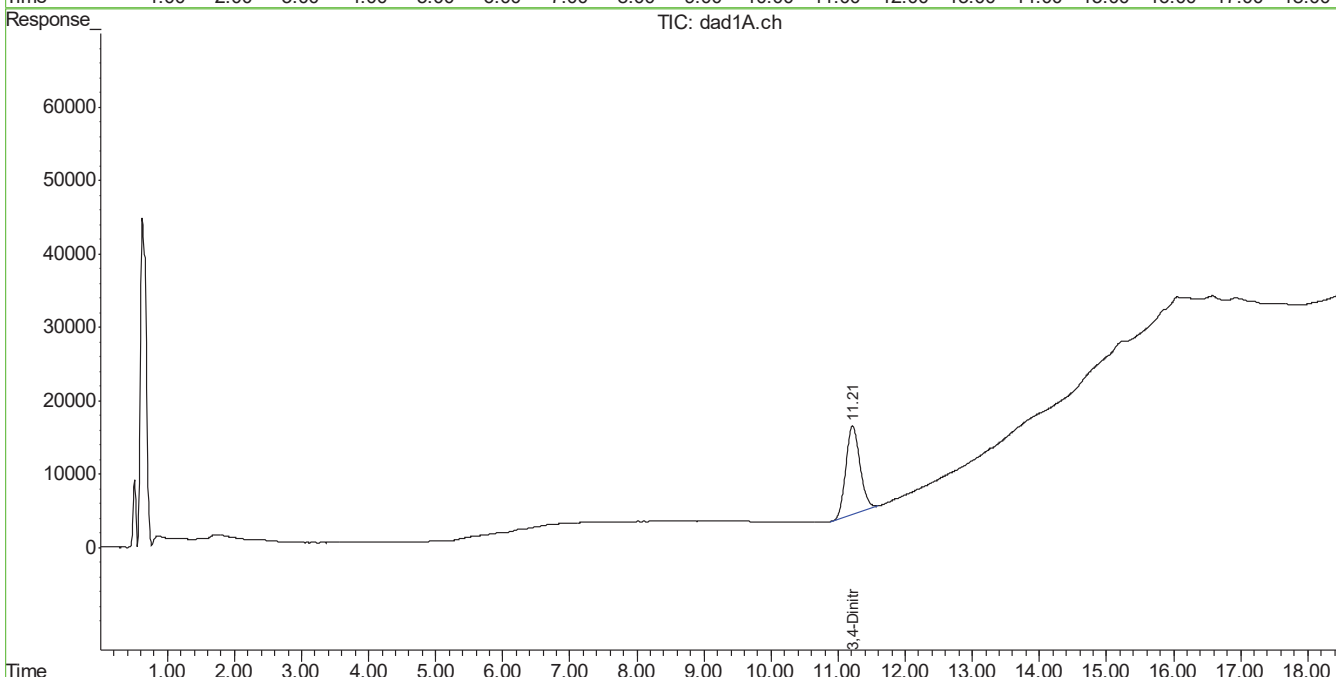
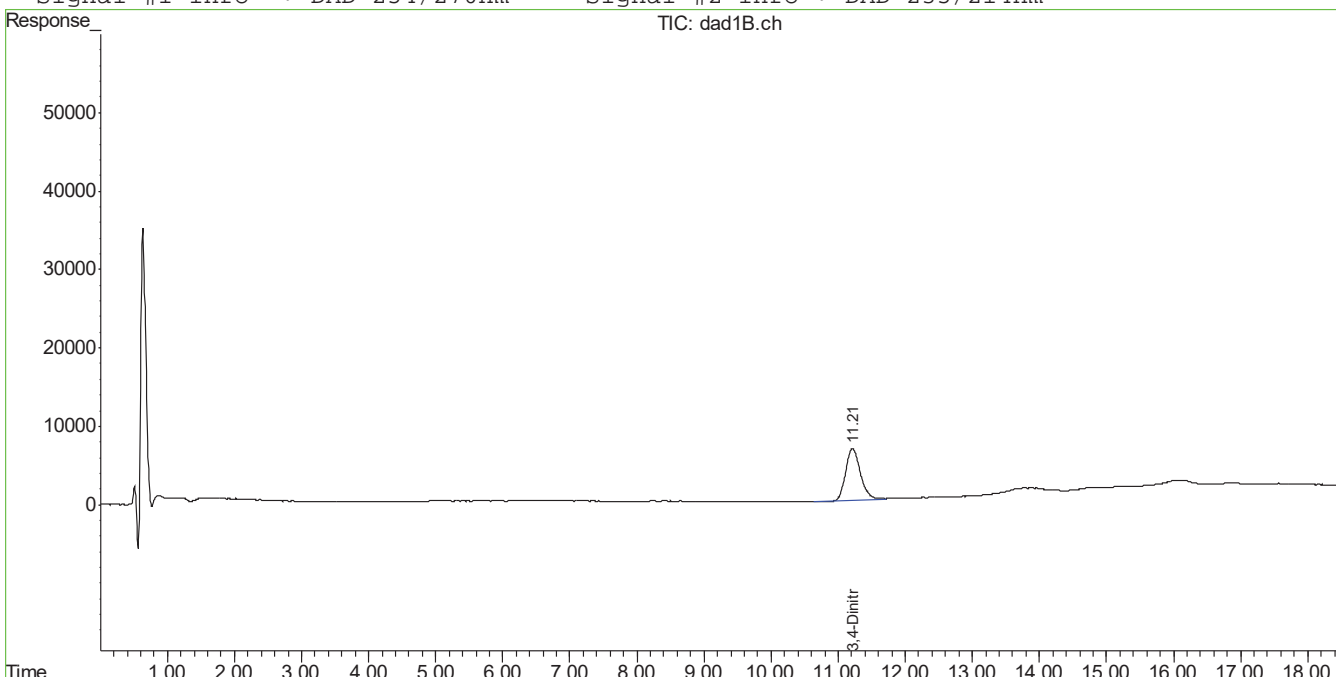
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
BB050352.D 8330B_0224.M Wed Mar 16 09:20:12 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050352.D\dad1B.ch Vial: 59
Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050352.D\dad1A.ch
Acq On : 15-Mar-2016, 16:14:38 Operator: kismet1
Sample : FA31932-9 Inst : G1315B
Misc : op59710,GBB1423,10.2,,,50,1,soil Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 16 8:47 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Wed Mar 16 06:50:00 2016
Response via : Multiple Level Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



Manual Integration Approval Summary

Sample Number: FA31932-9 Method: SW846 8330B
Lab FileID: BB050352.D Analyst approved: 03/16/16 09:50 Kismet Lugo
Injection Time: 03/15/16 16:14 Supervisor approved: 03/16/16 12:13 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
3,4-Dinitrotoluene	610-39-9	2	11.21	Poor instrument integration

7.1.5.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050353.D\dad1B.ch Vial: 60
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050353.D\dad1A.ch
 Acq On : 15-Mar-2016, 16:40:10 Operator: kismet1
 Sample : FA31932-14 Inst : G1315B
 Misc : op59710,GBB1423,10.1,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 06:50:37 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.21	11.22	1043217	1756568	456.995	485.130
	Spiked Amount	500.000	Range	69 - 134	Recovery	= 91.40%	97.03%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	0.00	0.00	0	0	N.D. d	N.D. d
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D. d	N.D. d
5)	RDX	0.00	0.00	0	0	N.D. d	N.D. d
6)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D. d	N.D. d
7)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D. d	N.D. d
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D. d	N.D. d
9)	Nitrobenzene	0.00	0.00	0	0	N.D. d	N.D. d
10)	Nitroglycerin	0.00	0.00	0	0	N.D. d	N.D. d
11)	Tetryl	0.00	0.00	0	0	N.D. d	N.D. d
12)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
13)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
14)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
16)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
17)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
18)	o-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
19)	p-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
20)	m-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
21)	PETN	0.00	0.00	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050353.D 8330B_0224.M Wed Mar 16 09:20:13 2016

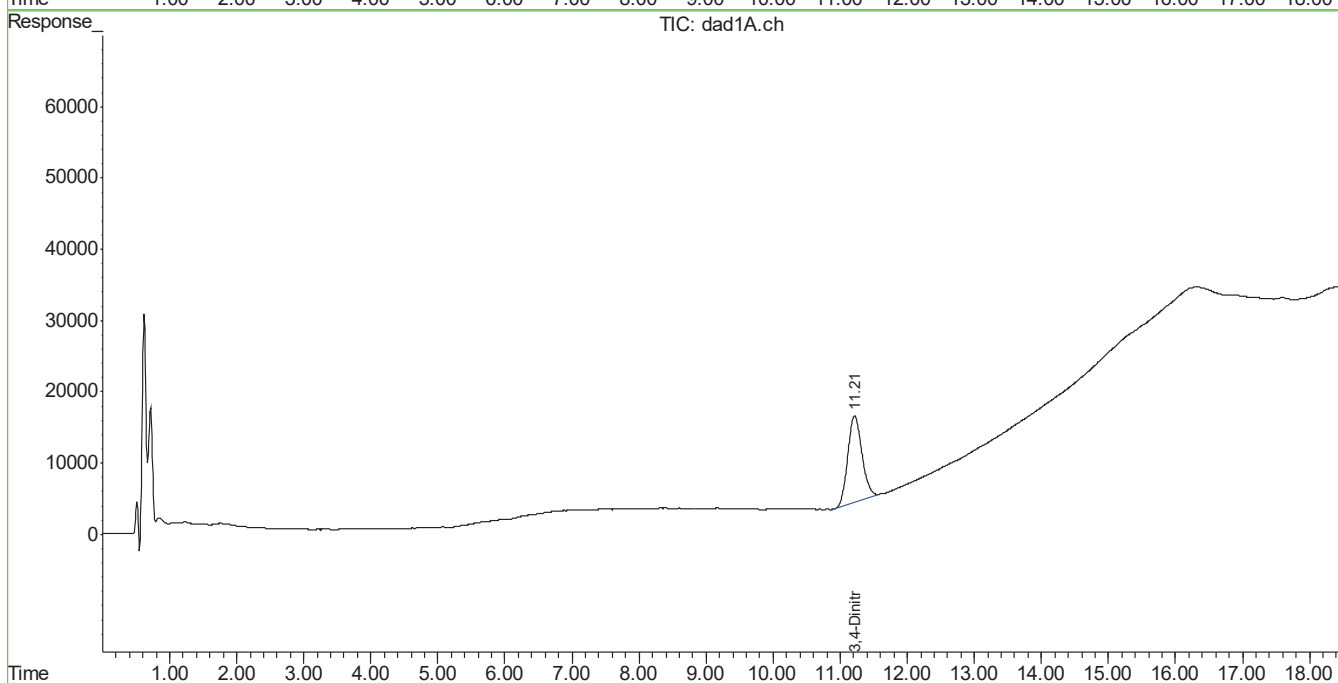
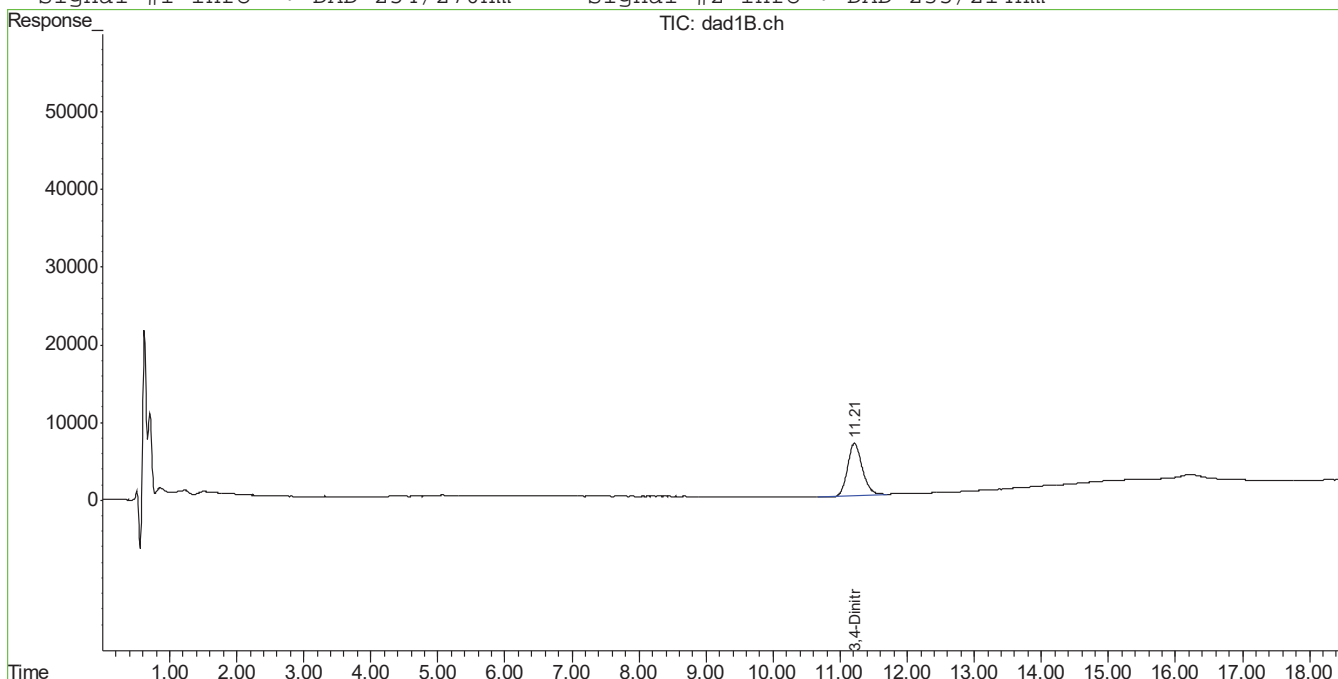
7.1.6
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050353.D\dad1B.ch Vial: 60
Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050353.D\dad1A.ch
Acq On : 15-Mar-2016, 16:40:10 Operator: kismet1
Sample : FA31932-14 Inst : G1315B
Misc : op59710,GBB1423,10.1,,,50,1,soil Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 16 8:48 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Wed Mar 16 06:50:00 2016
Response via : Multiple Level Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050416.D\dad1B.ch Vial: 29
 Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050416.D\dad1A.ch
 Acq On : 16-Mar-2016, 19:43:43 Operator: kismet1
 Sample : FA31932-17 Inst : G1315B
 Misc : op59713,GBB1424,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 17 07:12:15 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Mar 17 07:11:30 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.14	11.14	947466	1643487	415.050m	454.768m
	Spiked Amount	500.000	Range	69 - 134	Recovery	=	83.01% 90.95%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	0.00	0.00	0	0	N.D. d	N.D. d
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D. d	N.D. d
5)	RDX	0.00	0.00	0	0	N.D. d	N.D. d
6)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D. d	N.D. d
7)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D. d	N.D. d
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D. d	N.D. d
9)	Nitrobenzene	0.00	0.00	0	0	N.D. d	N.D. d
10)	Nitroglycerin	0.00	0.00	0	0	N.D. d	N.D. d
11)	Tetryl	0.00	0.00	0	0	N.D. d	N.D. d
12)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
13)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
14)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
16)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
17)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
18)	o-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
19)	p-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
20)	m-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
21)	PETN	0.00	0.00	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050416.D 8330B_0224.M Thu Mar 17 08:55:25 2016

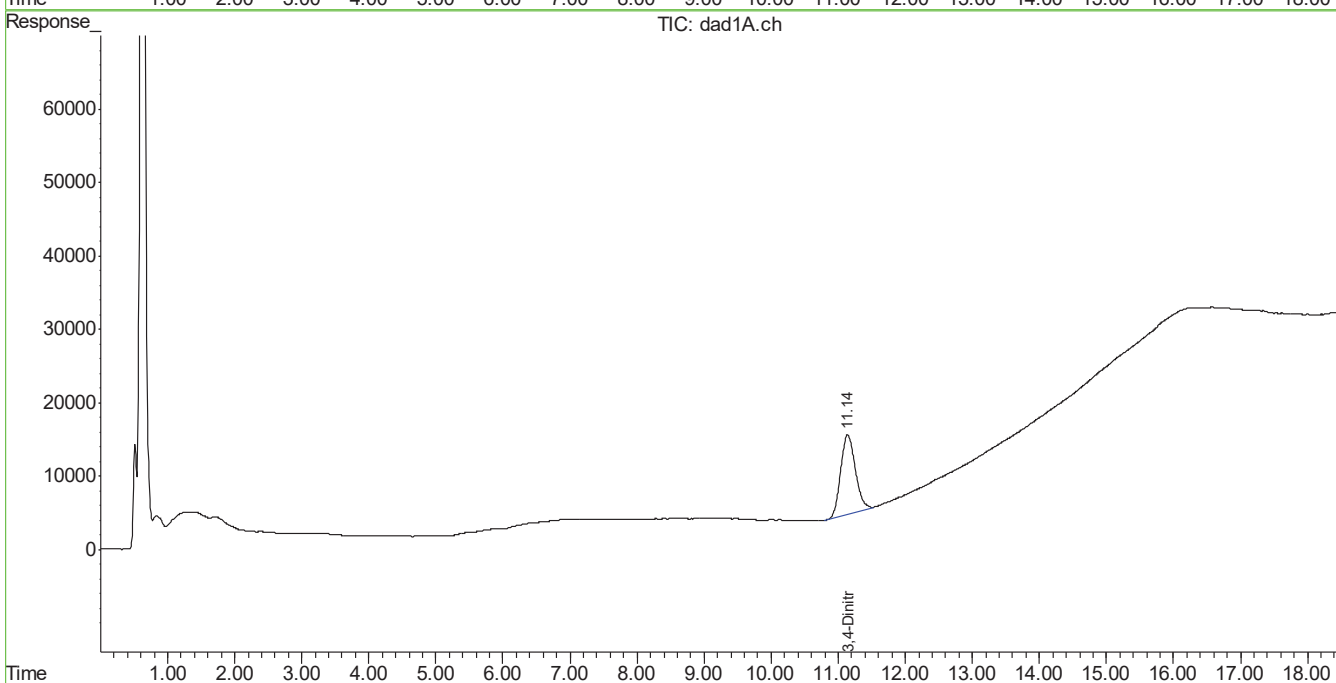
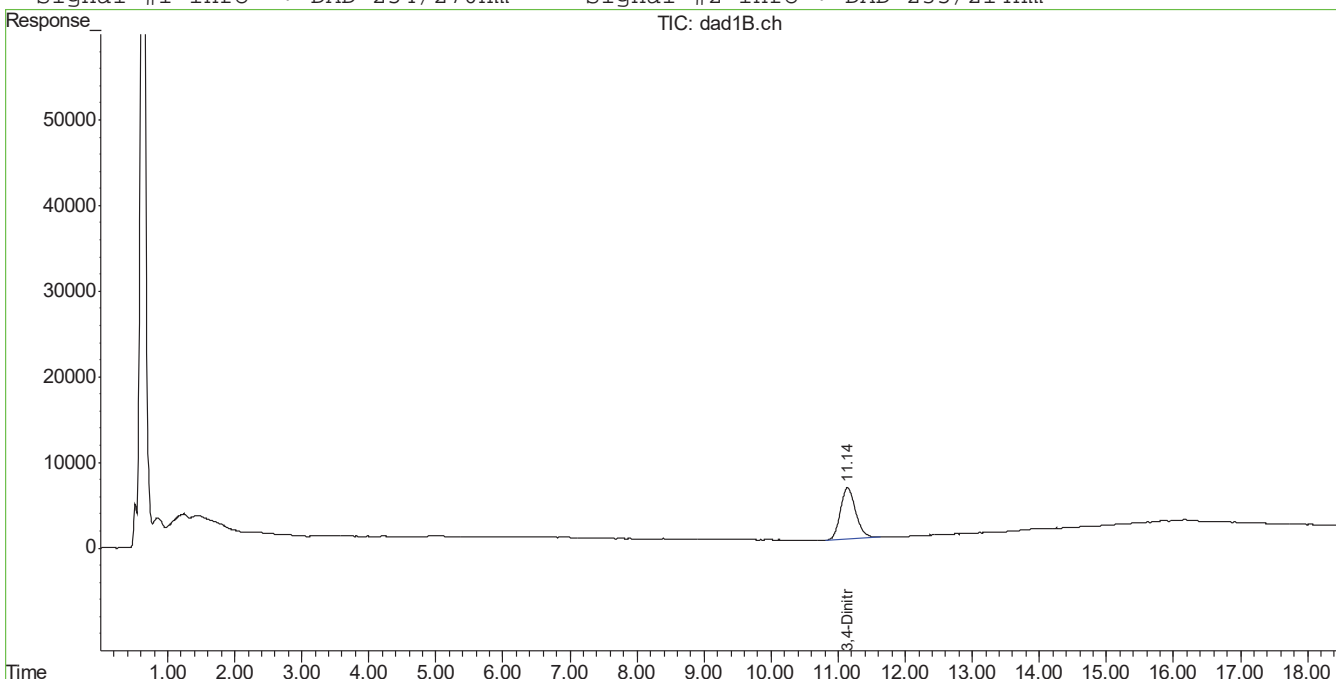
7.17
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050416.D\dad1B.ch Vial: 29
Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050416.D\dad1A.ch
Acq On : 16-Mar-2016, 19:43:43 Operator: kismet1
Sample : FA31932-17 Inst : G1315B
Misc : op59713,GBB1424,10.0,,,50,1,soil Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 17 8:19 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Thu Mar 17 07:11:30 2016
Response via : Multiple Level Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



Manual Integration Approval Summary

Sample Number: FA31932-17 Method: SW846 8330B
Lab FileID: BB050416.D Analyst approved: 03/17/16 09:35 Kismet Lugo
Injection Time: 03/16/16 19:43 Supervisor approved: 03/17/16 10:42 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
3,4-Dinitrotoluene	610-39-9	1	11.14	Poor instrument integration
3,4-Dinitrotoluene	610-39-9	2	11.14	Poor instrument integration

7.1.7.1

7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050417.D\dad1B.ch Vial: 30
Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050417.D\dad1A.ch
Acq On : 16-Mar-2016, 20:09:11 Operator: kismet1
Sample : FA31932-20 Inst : G1315B
Misc : op59713,GBB1424,10.1,,,50,1,soil Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 17 07:12:16 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Thu Mar 17 07:11:30 2016
Response via : Initial Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound RT#1 RT#2 Resp#1 Resp#2 ppb ppb

System Monitoring Compounds

15) S 3,4-Dinitrotolue 11.14 11.14 998819 1723401 437.546m 476.237m
Spiked Amount 500.000 Range 69 - 134 Recovery = 87.51% 95.25%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	0.00	0.00	0	0	N.D. d	N.D. d
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D. d	N.D. d
5)	RDX	0.00	0.00	0	0	N.D. d	N.D. d
6)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D. d	N.D. d
7)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D. d	N.D. d
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D. d	N.D. d
9)	Nitrobenzene	0.00	0.00	0	0	N.D. d	N.D. d
10)	Nitroglycerin	0.00	0.00	0	0	N.D. d	N.D. d
11)	Tetryl	0.00	0.00	0	0	N.D.	N.D.
12)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
13)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
14)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
16)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
17)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
18)	o-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
19)	p-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
20)	m-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
21)	PETN	0.00	0.00	0	0	N.D. d	N.D. d

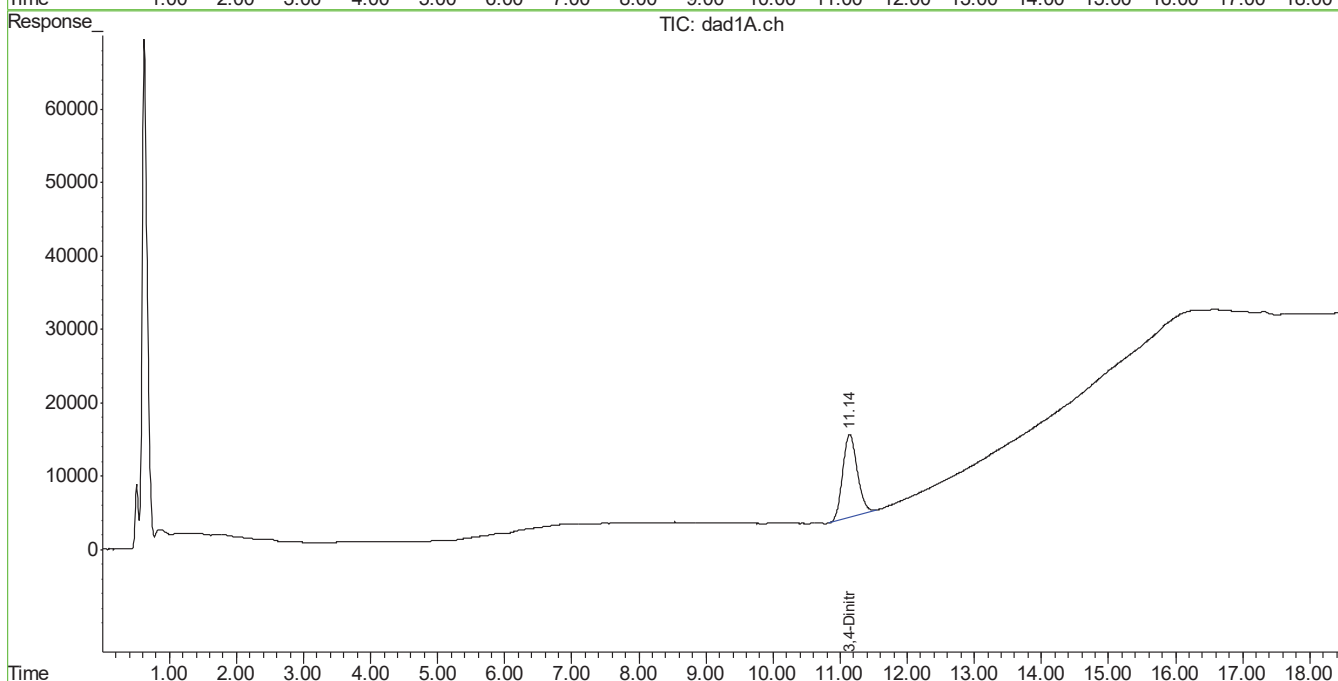
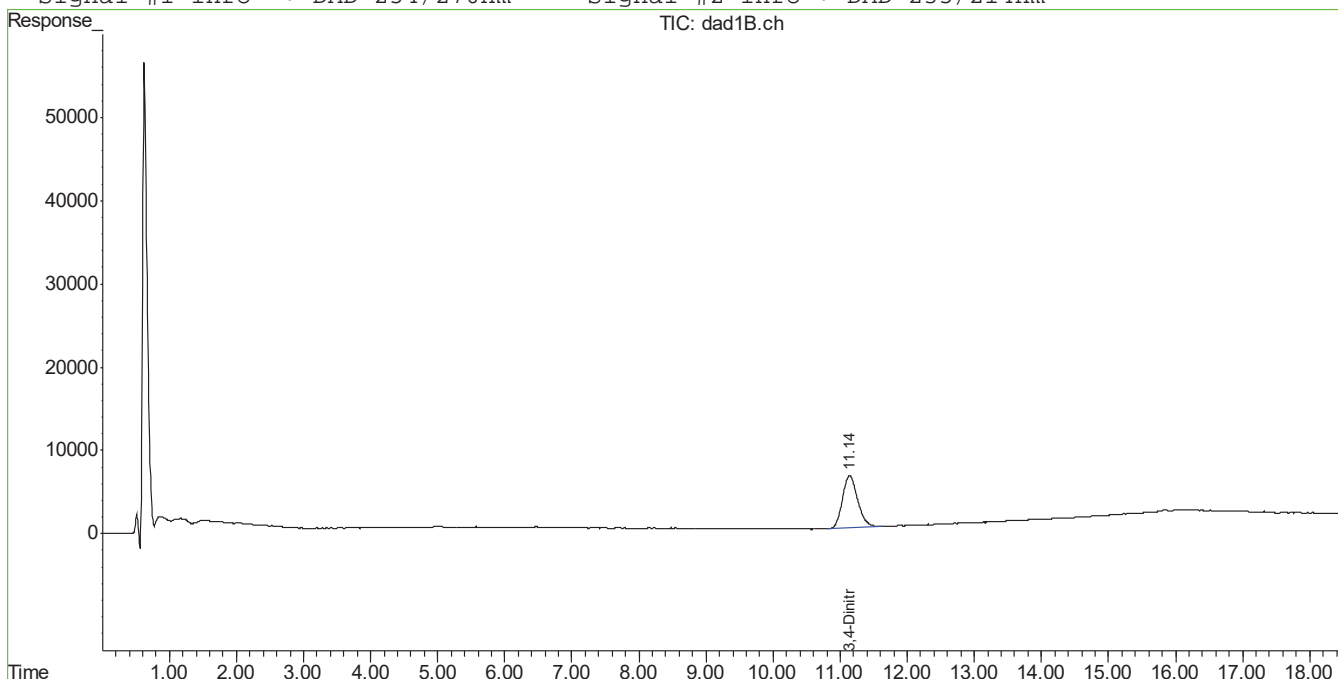
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
BB050417.D 8330B_0224.M Thu Mar 17 08:55:26 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050417.D\dad1B.ch Vial: 30
Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050417.D\dad1A.ch
Acq On : 16-Mar-2016, 20:09:11 Operator: kismet1
Sample : FA31932-20 Inst : G1315B
Misc : op59713,GBB1424,10.1,,,50,1,soil Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 17 8:20 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Thu Mar 17 07:11:30 2016
Response via : Multiple Level Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



Manual Integration Approval Summary

Sample Number: FA31932-20 Method: SW846 8330B
Lab FileID: BB050417.D Analyst approved: 03/17/16 09:35 Kismet Lugo
Injection Time: 03/16/16 20:09 Supervisor approved: 03/17/16 10:42 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
3,4-Dinitrotoluene	610-39-9	1	11.14	Poor instrument integration
3,4-Dinitrotoluene	610-39-9	2	11.14	Poor instrument integration

7.1.8.1

7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050421.D\dad1B.ch Vial: 32
 Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050421.D\dad1A.ch
 Acq On : 16-Mar-2016, 21:51:07 Operator: kismet1
 Sample : FA31932-23 Inst : G1315B
 Misc : op59713,GBB1424,10.1,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 17 07:12:20 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Mar 17 07:11:30 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.14	11.14	1038201	1745596	454.797	482.189
	Spiked Amount	500.000	Range	69 - 134	Recovery	= 90.96%	96.44%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	0.00	0.00	0	0	N.D. d	N.D. d
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D. d	N.D. d
5)	RDX	0.00	0.00	0	0	N.D. d	N.D. d
6)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D. d	N.D. d
7)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D. d	N.D. d
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D. d	N.D. d
9)	Nitrobenzene	0.00	0.00	0	0	N.D. d	N.D. d
10)	Nitroglycerin	0.00	0.00	0	0	N.D. d	N.D. d
11)	Tetryl	0.00	0.00	0	0	N.D.	N.D.
12)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
13)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
14)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
16)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
17)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
18)	o-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
19)	p-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
20)	m-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
21)	PETN	0.00	0.00	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050421.D 8330B_0224.M Thu Mar 17 08:55:30 2016

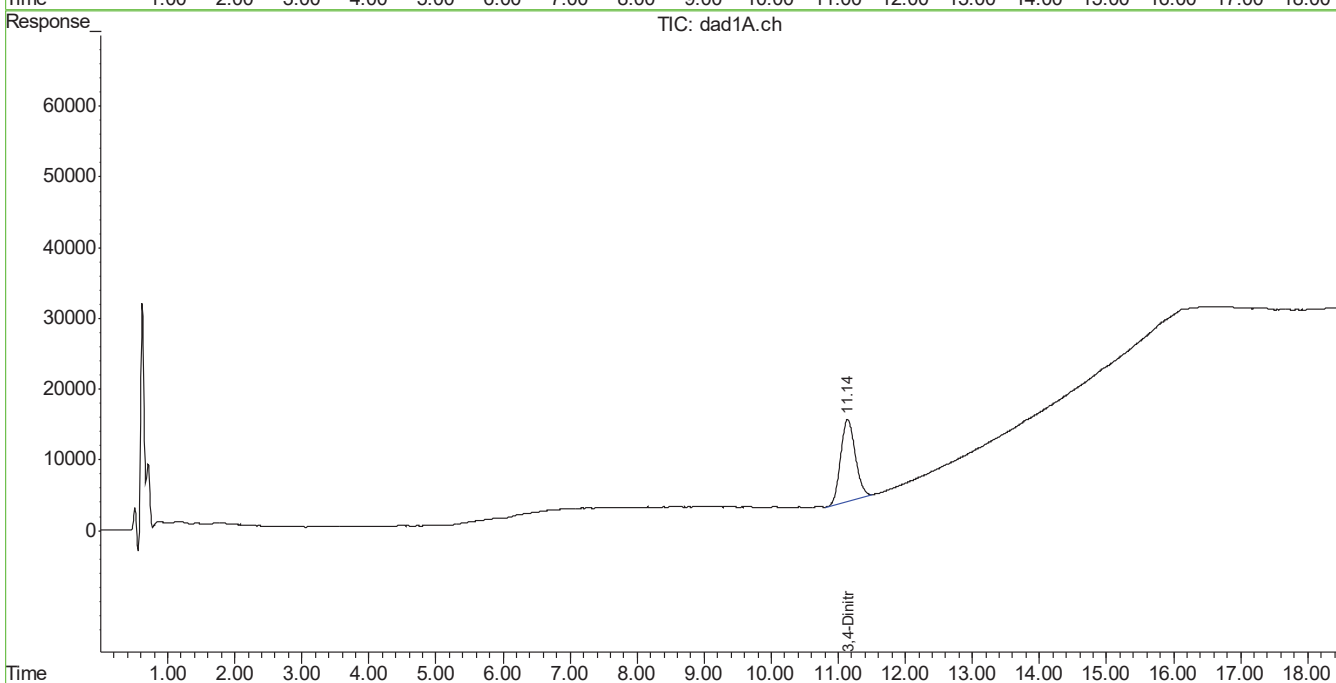
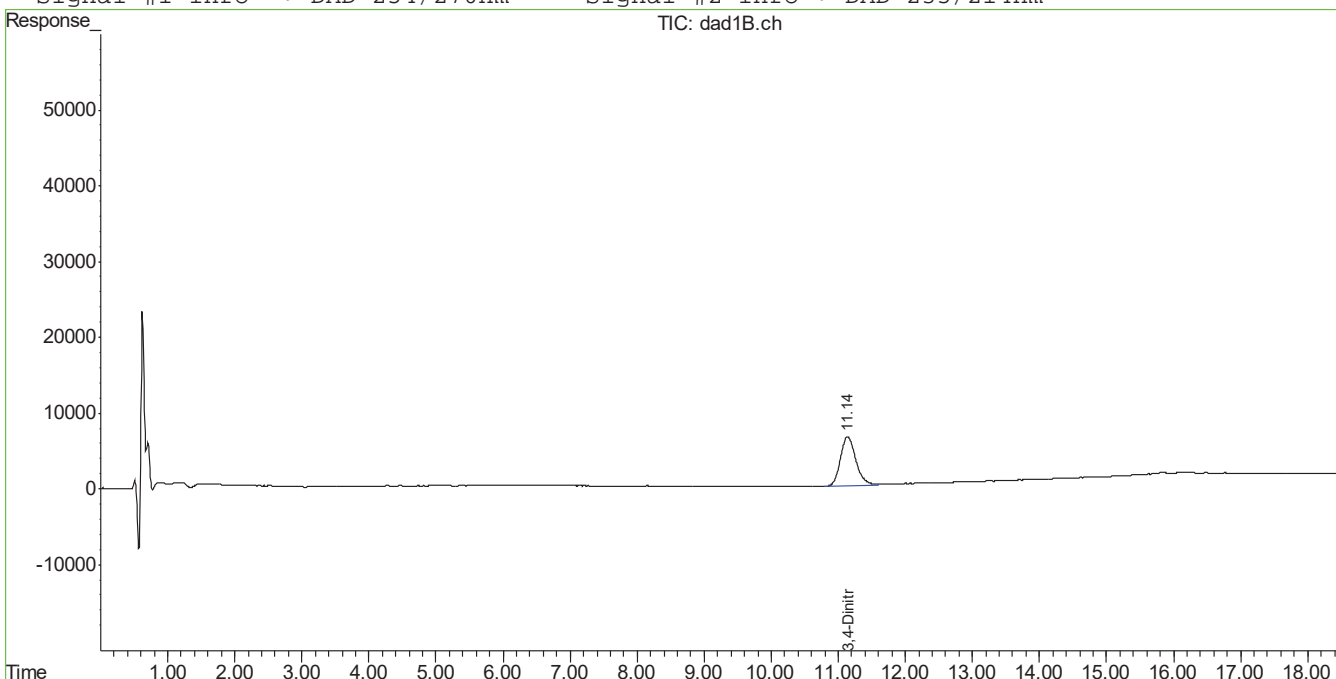
7.1.9
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050421.D\dad1B.ch Vial: 32
Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050421.D\dad1A.ch
Acq On : 16-Mar-2016, 21:51:07 Operator: kismet1
Sample : FA31932-23 Inst : G1315B
Misc : op59713,GBB1424,10.1,,,50,1,soil Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 17 8:22 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Thu Mar 17 07:11:30 2016
Response via : Multiple Level Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050418.D\dad1B.ch Vial: 31
 Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050418.D\dad1A.ch
 Acq On : 16-Mar-2016, 20:34:43 Operator: kismet1
 Sample : FA31932-26 Inst : G1315B
 Misc : op59713,GBB1424,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 17 07:12:17 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Mar 17 07:11:30 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.14	11.13	1016237	1747341	445.176	482.657m
	Spiked Amount	500.000	Range	69 - 134	Recovery	=	89.04% 96.53%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	0.00	0.00	0	0	N.D. d	N.D. d
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D. d	N.D. d
5)	RDX	0.00	0.00	0	0	N.D. d	N.D. d
6)	1,3,5-Trinitrobo	0.00	0.00	0	0	N.D. d	N.D. d
7)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D. d	N.D. d
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D. d	N.D. d
9)	Nitrobenzene	0.00	0.00	0	0	N.D. d	N.D. d
10)	Nitroglycerin	0.00	0.00	0	0	N.D. d	N.D. d
11)	Tetryl	0.00	0.00	0	0	N.D. d	N.D. d
12)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D. d	N.D. d
13)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D. d	N.D. d
14)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
16)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
17)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
18)	o-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
19)	p-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
20)	m-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
21)	PETN	0.00	0.00	0	0	N.D. d	N.D. d

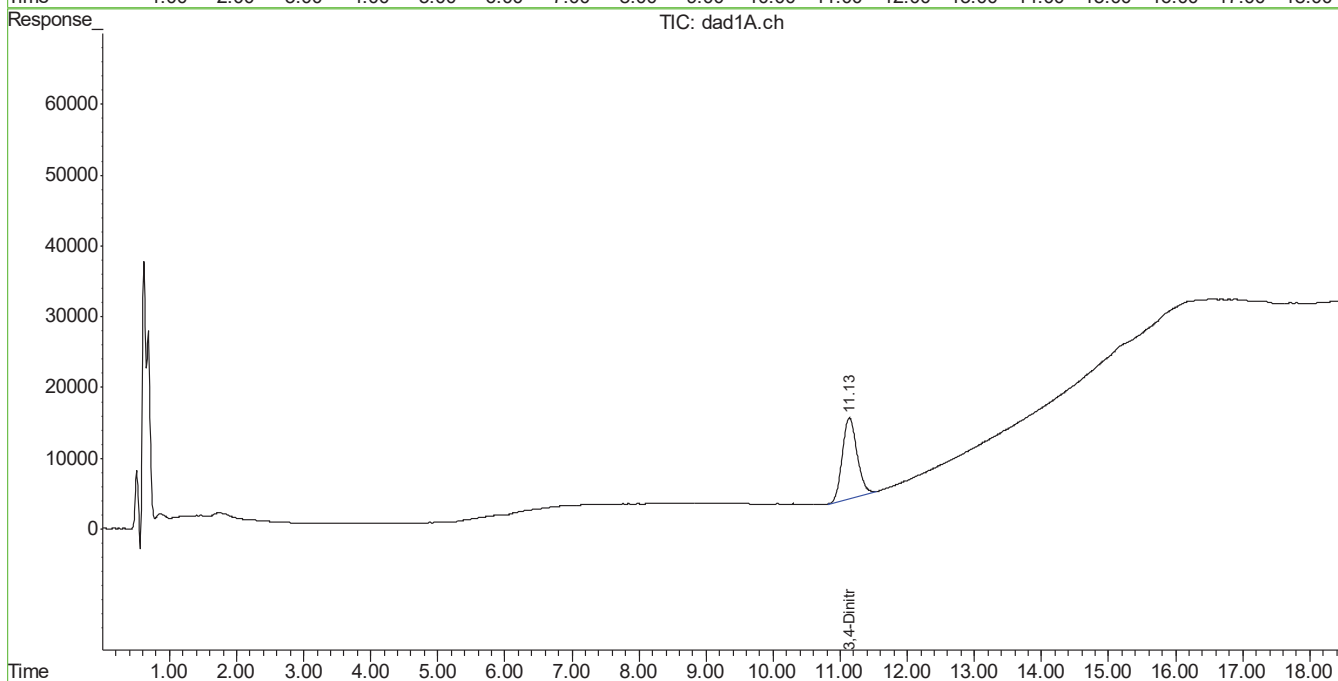
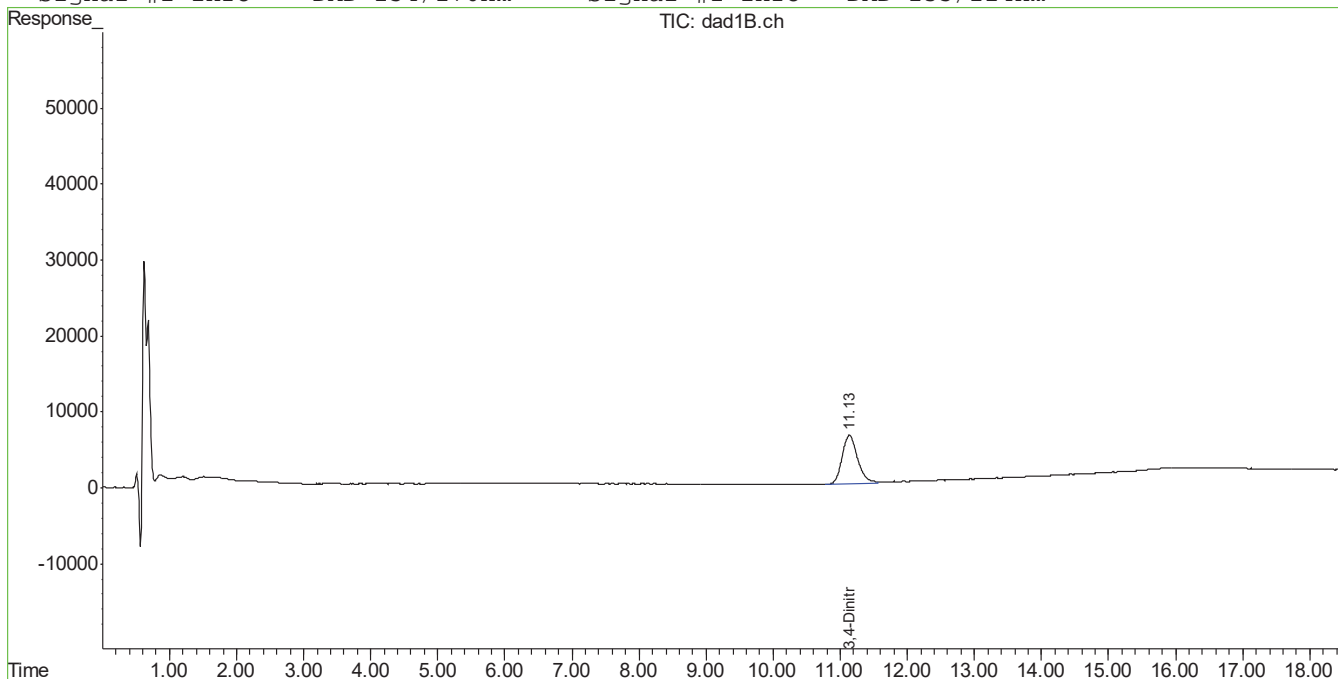
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050418.D 8330B_0224.M Thu Mar 17 08:55:27 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050418.D\dad1B.ch Vial: 31
Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050418.D\dad1A.ch
Acq On : 16-Mar-2016, 20:34:43 Operator: kismet1
Sample : FA31932-26 Inst : G1315B
Misc : op59713,GBB1424,10.0,,,50,1,soil Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 17 8:21 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Thu Mar 17 07:11:30 2016
Response via : Multiple Level Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.1.10 7

Manual Integration Approval Summary

Sample Number: FA31932-26 Method: SW846 8330B
Lab FileID: BB050418.D Analyst approved: 03/17/16 09:35 Kismet Lugo
Injection Time: 03/16/16 20:34 Supervisor approved: 03/17/16 10:42 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
3,4-Dinitrotoluene	610-39-9	2	11.13	Poor instrument integration

7.1.10.1

7

Manual Integrations
APPROVED
 (compounds with "m" flag)
Mike Eger
03/17/16 10:42

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050424.D\dad1B.ch Vial: 35
 Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050424.D\dad1A.ch
 Acq On : 16-Mar-2016, 23:07:37 Operator: kismet1
 Sample : FA31932-29 Inst : G1315B
 Misc : op59713,GBB1424,10.1,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 17 07:12:23 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Mar 17 07:11:30 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.14	11.14	1017821	1699618	445.870	469.854m
	Spiked Amount	500.000	Range	69 - 134	Recovery	=	89.17% 93.97%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	0.00	0.00	0	0	N.D. d	N.D. d
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D. d	N.D. d
5)	RDX	0.00	0.00	0	0	N.D. d	N.D. d
6)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D. d	N.D. d
7)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D. d	N.D. d
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D. d	N.D. d
9)	Nitrobenzene	0.00	0.00	0	0	N.D. d	N.D. d
10)	Nitroglycerin	0.00	0.00	0	0	N.D. d	N.D. d
11)	Tetryl	0.00	0.00	0	0	N.D.	N.D.
12)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
13)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
14)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
16)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
17)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
18)	o-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
19)	p-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
20)	m-Nitrotoluene	15.52	15.56	47957	45565	15.034m	12.736m
21)	PETN	0.00	0.00	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050424.D 8330B_0224.M Thu Mar 17 08:55:33 2016

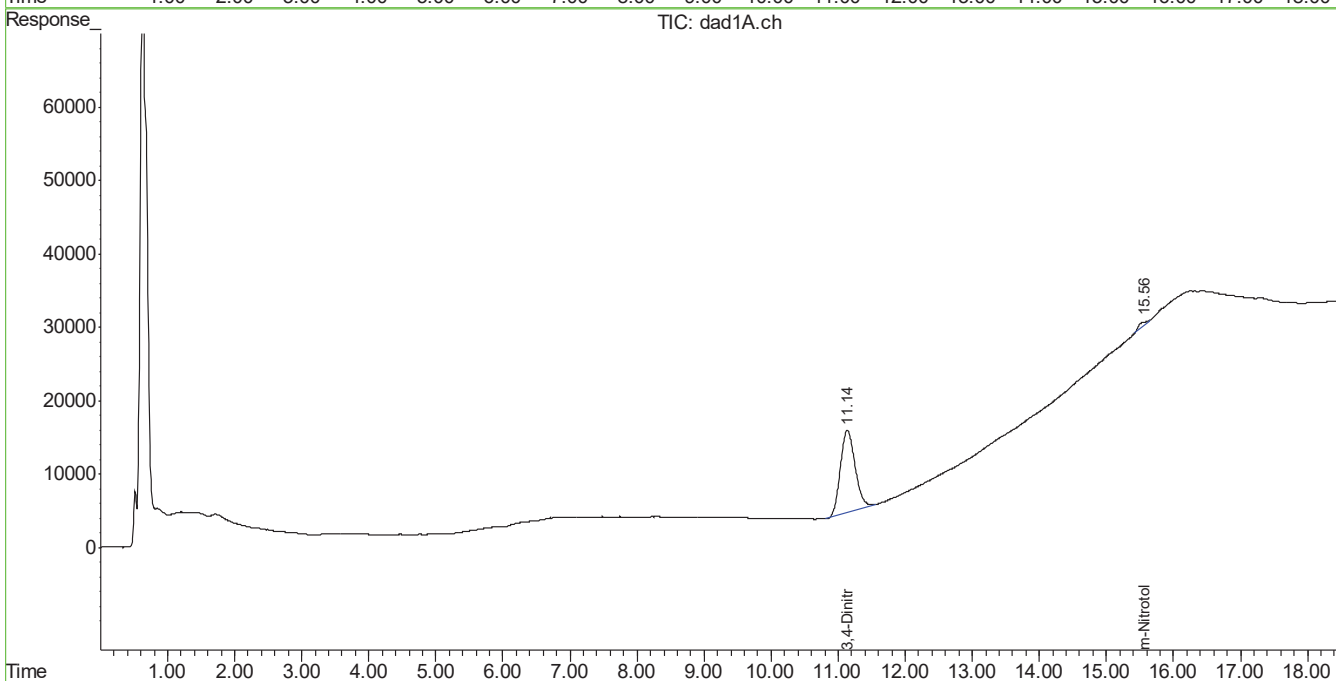
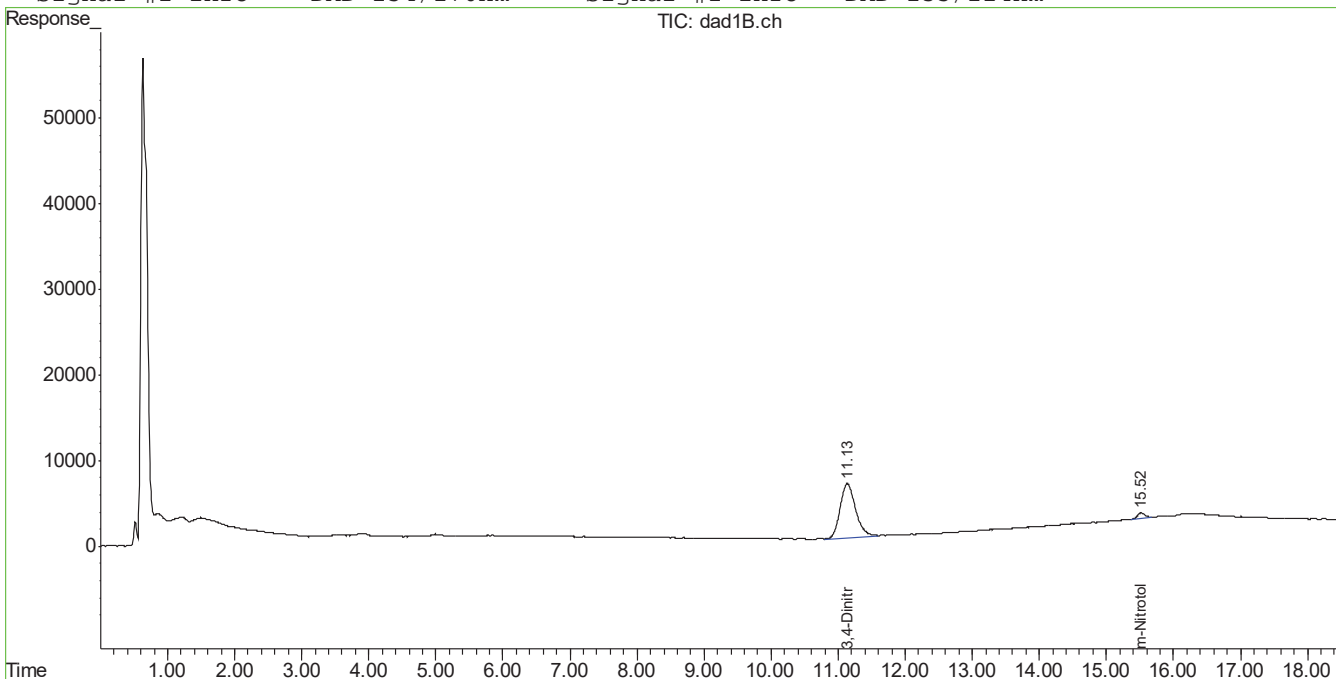
7.1.11
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050424.D\dad1B.ch Vial: 35
Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050424.D\dad1A.ch
Acq On : 16-Mar-2016, 23:07:37 Operator: kismet1
Sample : FA31932-29 Inst : G1315B
Misc : op59713,GBB1424,10.1,,,50,1,soil Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 17 8:50 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Thu Mar 17 07:11:30 2016
Response via : Multiple Level Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.1.11
7

Manual Integration Approval Summary

Sample Number: FA31932-29 Method: SW846 8330B
Lab FileID: BB050424.D Analyst approved: 03/17/16 09:36 Kismet Lugo
Injection Time: 03/16/16 23:07 Supervisor approved: 03/17/16 10:42 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
3,4-Dinitrotoluene	610-39-9	2	11.14	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.52	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.56	Poor instrument integration

7.1.11.1

7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050335.D\dad1B.ch Vial: 44
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050335.D\dad1A.ch
 Acq On : 15-Mar-2016, 08:51:42 Operator: kismet1
 Sample : op59619-mb Inst : G1315B
 Misc : op59619,GBB1423,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 06:50:19 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.18	11.18	1079185	1855823	472.751m	511.688m
	Spiked Amount	500.000	Range	70 - 136	Recovery	=	94.55% 102.34%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	0.00	0.00	0	0	N.D. d	N.D. d
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D. d	N.D. d
5)	RDX	0.00	0.00	0	0	N.D. d	N.D. d
6)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D. d	N.D. d
7)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D. d	N.D. d
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D. d	N.D. d
9)	Nitrobenzene	0.00	0.00	0	0	N.D. d	N.D. d
10)	Nitroglycerin	0.00	0.00	0	0	N.D. d	N.D. d
11)	Tetryl	0.00	0.00	0	0	N.D. d	N.D. d
12)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D. d	N.D. d
13)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D. d	N.D. d
14)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
16)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
17)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
18)	o-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
19)	p-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
20)	m-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
21)	PETN	0.00	0.00	0	0	N.D. d	N.D. d

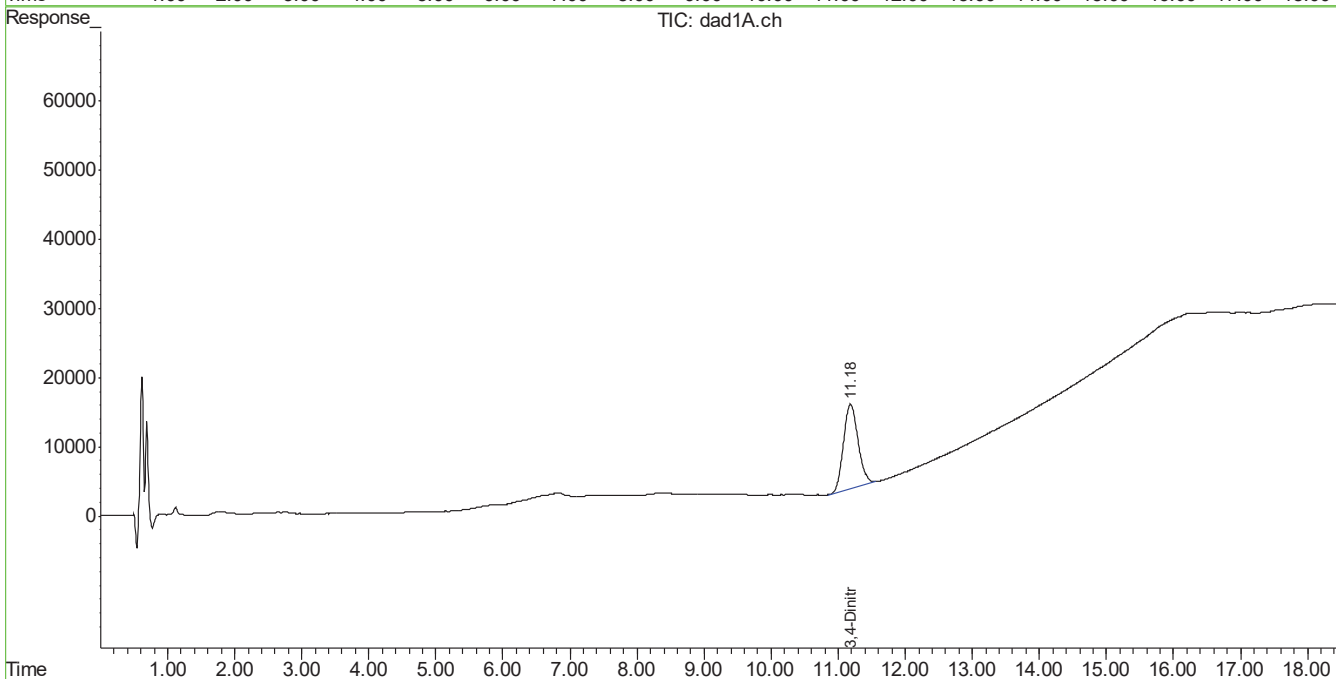
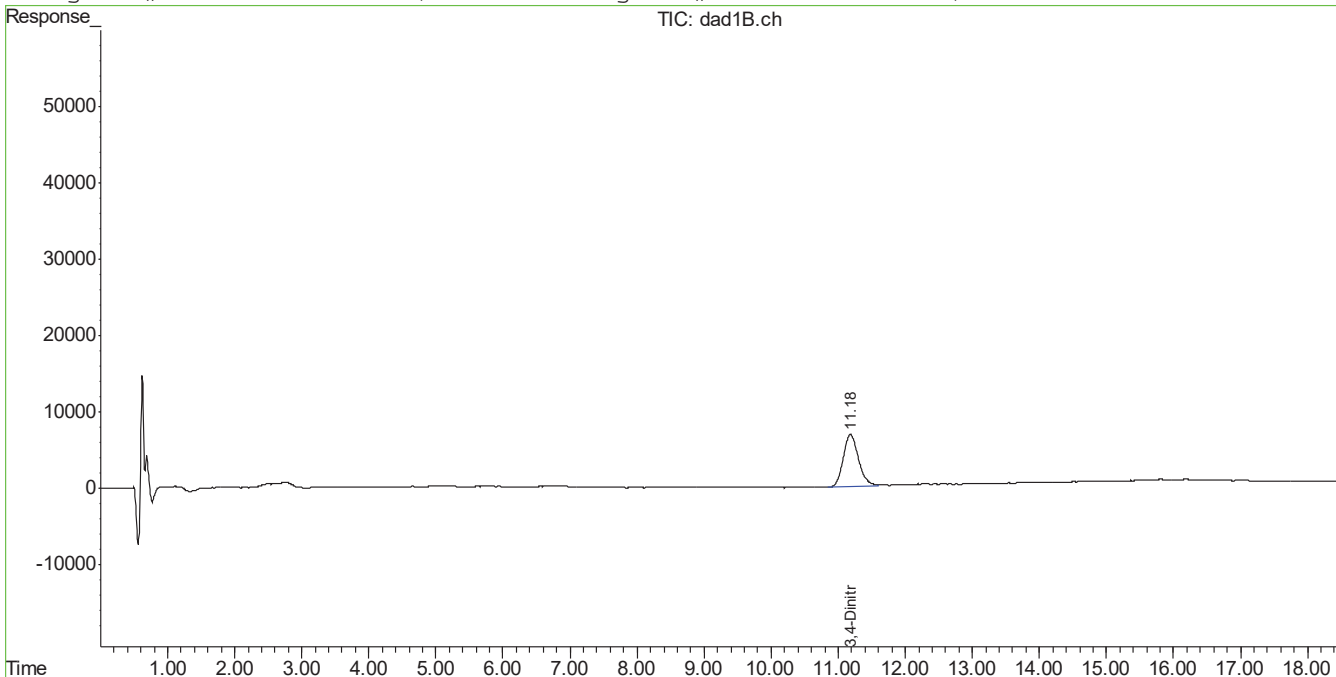
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050335.D 8330B_0224.M Wed Mar 16 09:19:55 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050335.D\dad1B.ch Vial: 44
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050335.D\dad1A.ch
 Acq On : 15-Mar-2016, 08:51:42 Operator: kismet1
 Sample : op59619-mb Inst : G1315B
 Misc : op59619,GBB1423,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 8:17 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.2.1
7

Manual Integration Approval Summary

Sample Number: OP59619-MB Method: SW846 8330B
Lab FileID: BB050335.D Analyst approved: 03/16/16 09:39 Kismet Lugo
Injection Time: 03/15/16 08:51 Supervisor approved: 03/16/16 12:13 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
3,4-Dinitrotoluene	610-39-9	1	11.18	Poor instrument integration
3,4-Dinitrotoluene	610-39-9	2	11.18	Poor instrument integration

7.2.1.1

7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050342.D\dad1B.ch Vial: 51
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050342.D\dad1A.ch
 Acq On : 15-Mar-2016, 11:55:37 Operator: kismet1
 Sample : op59710-mb Inst : G1315B
 Misc : op59710,GBB1423,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 06:50:26 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.20	11.20	1090122	1915092	477.542m	527.505m
	Spiked Amount	500.000	Range	69 - 134	Recovery	= 95.51%	105.50%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	0.00	0.00	0	0	N.D. d	N.D. d
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D. d	N.D. d
5)	RDX	0.00	0.00	0	0	N.D. d	N.D. d
6)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D. d	N.D. d
7)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D. d	N.D. d
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D. d	N.D. d
9)	Nitrobenzene	0.00	0.00	0	0	N.D. d	N.D. d
10)	Nitroglycerin	0.00	0.00	0	0	N.D.	N.D.
11)	Tetryl	0.00	0.00	0	0	N.D.	N.D.
12)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
13)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
14)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
16)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
17)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
18)	o-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
19)	p-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
20)	m-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
21)	PETN	0.00	0.00	0	0	N.D. d	N.D. d

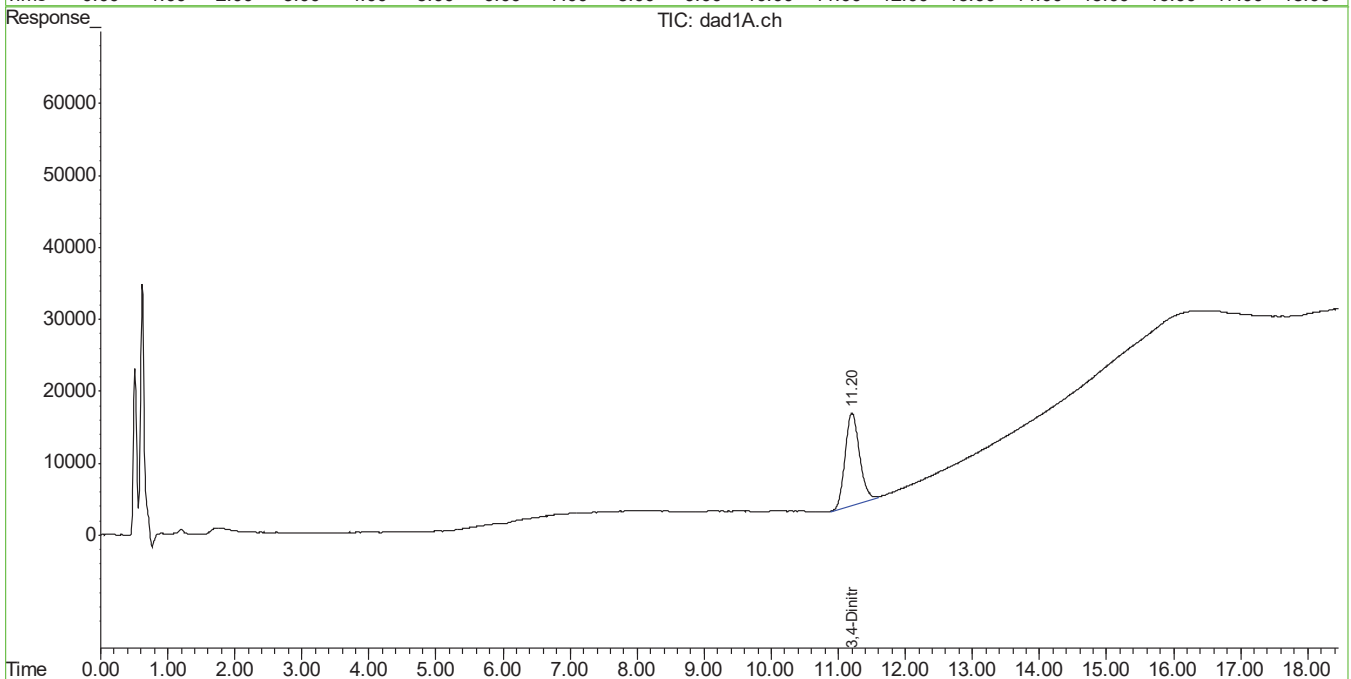
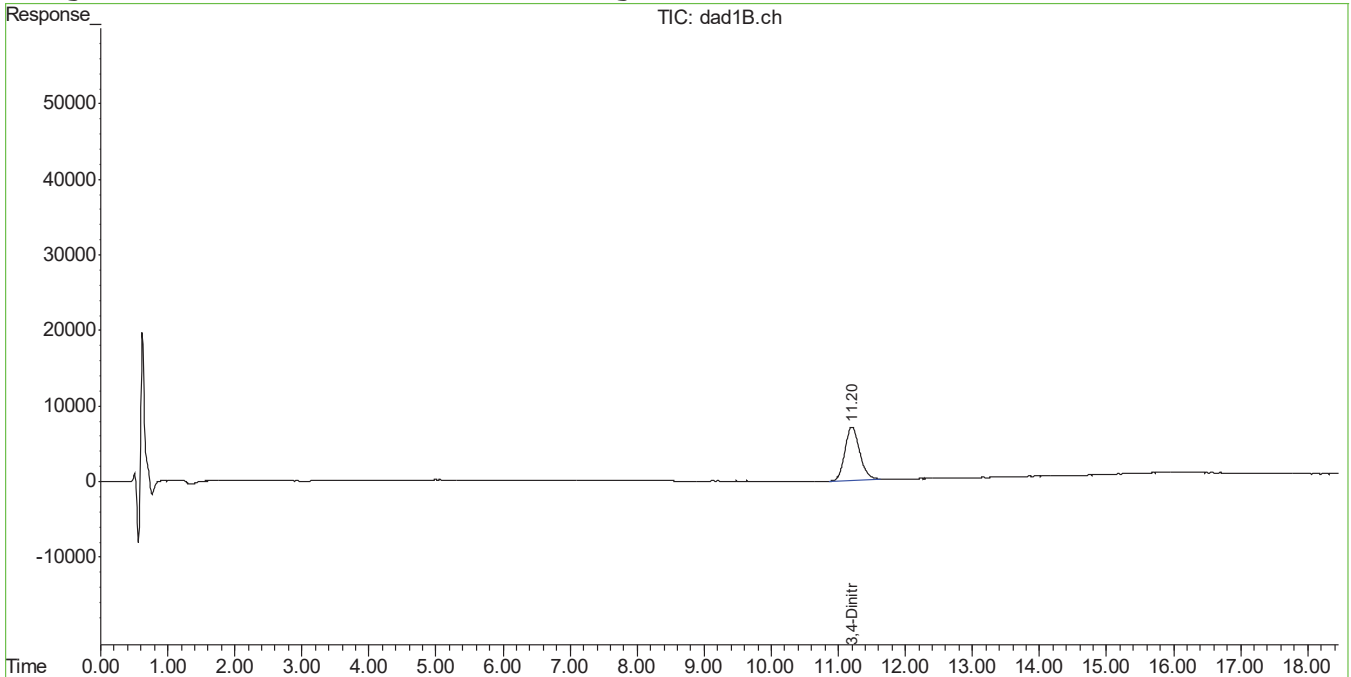
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050342.D 8330B_0224.M Wed Mar 16 09:20:02 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050342.D\dad1B.ch Vial: 51
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050342.D\dad1A.ch
 Acq On : 15-Mar-2016, 11:55:37 Operator: kismet1
 Sample : op59710-mb Inst : G1315B
 Misc : op59710,GBB1423,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 8:32 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.2.2
7

Manual Integration Approval Summary

Sample Number: OP59710-MB Method: SW846 8330B
Lab FileID: BB050342.D Analyst approved: 03/16/16 09:40 Kismet Lugo
Injection Time: 03/15/16 11:55 Supervisor approved: 03/16/16 12:13 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
3,4-Dinitrotoluene	610-39-9	1	11.20	Poor instrument integration
3,4-Dinitrotoluene	610-39-9	2	11.20	Poor instrument integration

7.2.2.1

7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050415.D\dad1B.ch Vial: 28
 Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050415.D\dad1A.ch
 Acq On : 16-Mar-2016, 19:18:15 Operator: kismet1
 Sample : op59713-mb Inst : G1315B
 Misc : op59713,GBB1424,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 17 07:12:14 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Mar 17 07:11:30 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.14	11.14	1085866	1847728	475.678m	509.525m
	Spiked Amount	500.000	Range	69 - 134	Recovery	=	95.14% 101.91%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D.	N.D.
2)	HMX	0.00	0.00	0	0	N.D. d	N.D. d
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D. d	N.D. d
5)	RDX	0.00	0.00	0	0	N.D. d	N.D. d
6)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D. d	N.D. d
7)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D. d	N.D. d
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D. d	N.D. d
9)	Nitrobenzene	0.00	0.00	0	0	N.D. d	N.D. d
10)	Nitroglycerin	0.00	0.00	0	0	N.D. d	N.D. d
11)	Tetryl	0.00	0.00	0	0	N.D.	N.D.
12)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
13)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
14)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
16)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
17)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
18)	o-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
19)	p-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
20)	m-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
21)	PETN	0.00	0.00	0	0	N.D. d	N.D. d

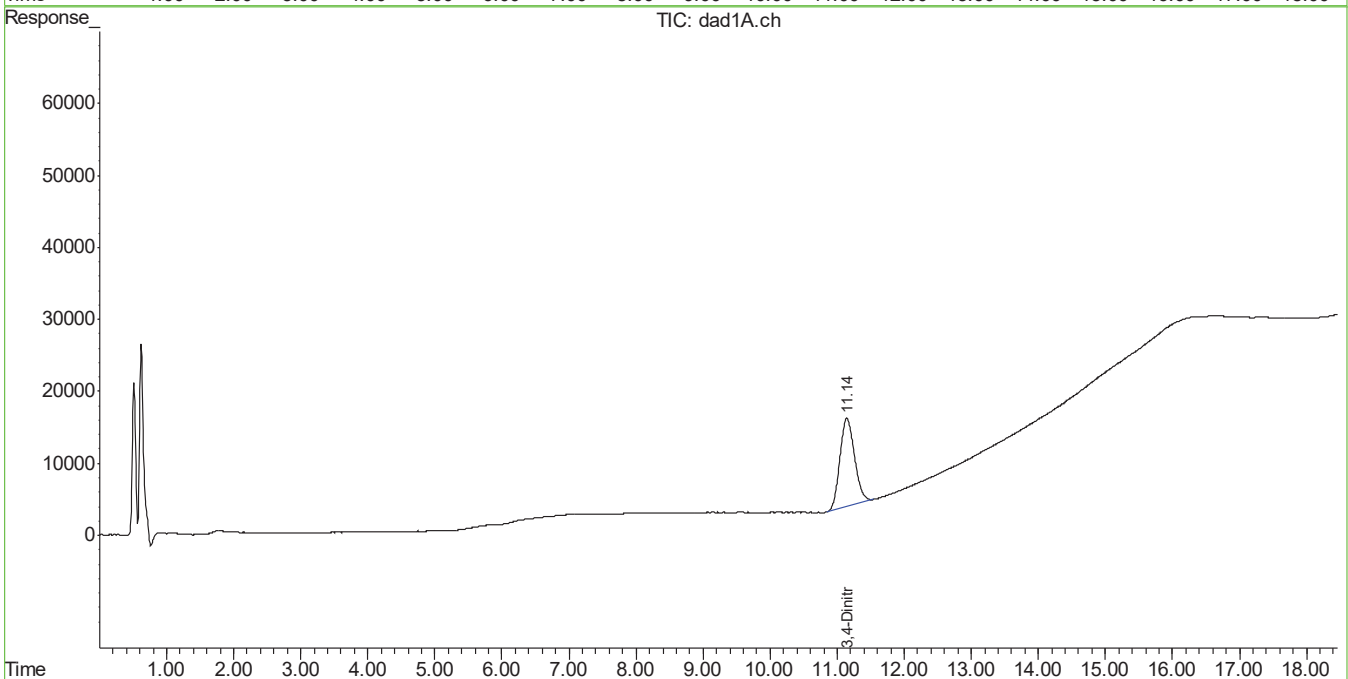
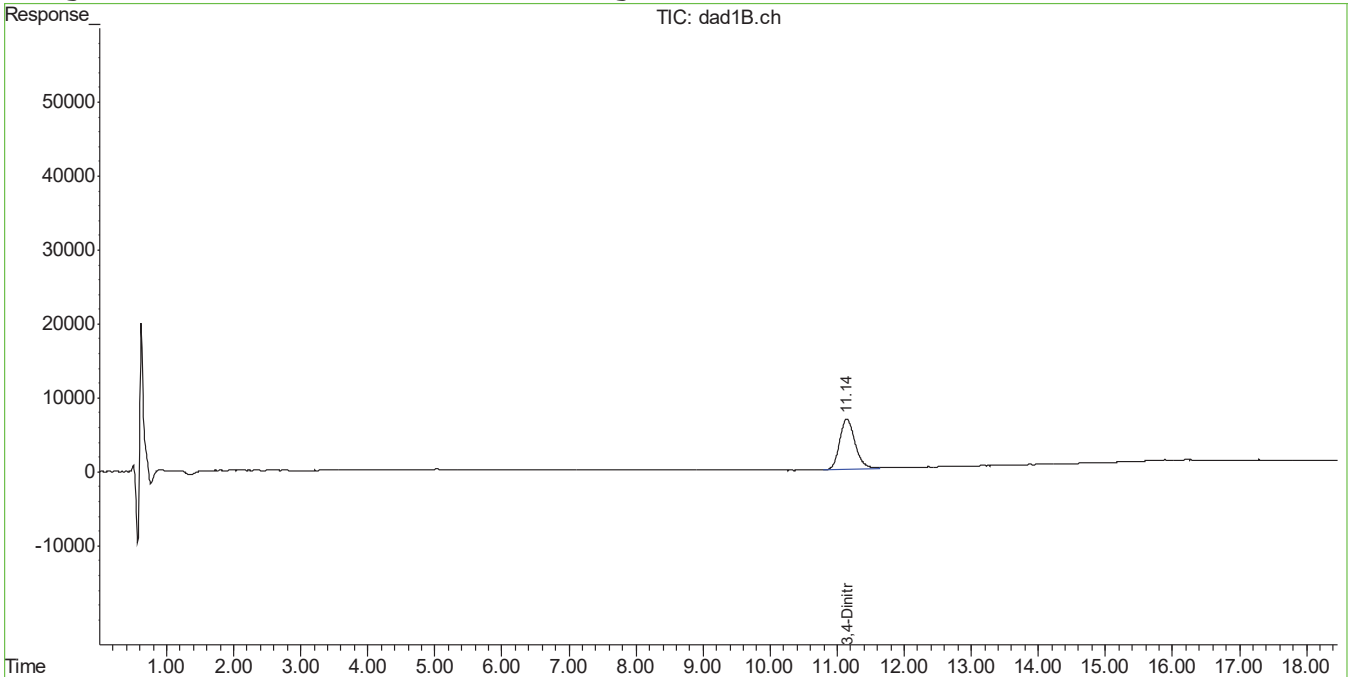
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050415.D 8330B_0224.M Thu Mar 17 08:55:24 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050415.D\dad1B.ch Vial: 28
 Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050415.D\dad1A.ch
 Acq On : 16-Mar-2016, 19:18:15 Operator: kismet1
 Sample : op59713-mb Inst : G1315B
 Misc : op59713,GBB1424,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 17 8:19 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Mar 17 07:11:30 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.2.3
7

Manual Integration Approval Summary

Sample Number: OP59713-MB Method: SW846 8330B
Lab FileID: BB050415.D Analyst approved: 03/17/16 09:20 Kismet Lugo
Injection Time: 03/16/16 19:18 Supervisor approved: 03/17/16 10:42 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
3,4-Dinitrotoluene	610-39-9	1	11.14	Poor instrument integration
3,4-Dinitrotoluene	610-39-9	2	11.14	Poor instrument integration

7.2.3.1

7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050334.D\dad1B.ch Vial: 43
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050334.D\dad1A.ch
 Acq On : 15-Mar-2016, 08:26:13 Operator: kismet1
 Sample : op59619-bs Inst : G1315B
 Misc : op59619,GBB1423,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 06:50:18 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.17	11.17	1167006	1909429	511.222	525.995
	Spiked Amount	500.000	Range	70 - 136	Recovery	= 102.24%	105.20%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	1.48	1.48	806017	2219793	461.015	454.517
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D.	N.D.
5)	RDX	2.89	2.90	929235	1460437	507.694m	507.042
6)	1,3,5-Trinitrobe	4.59	4.59	1953190	3859341	507.038	512.138
7)	1,3-Dinitrobenze	5.84	5.84	2504125	1792411	493.880	516.956
8)	3,5-Dinitroanili	6.27	6.27	2024679	3647508	447.789	487.075
9)	Nitrobenzene	7.46	7.45	1587473	1567996	531.026	538.825m
10)	Nitroglycerin	0.00	9.24	0	3541584	N.D.	2889.163 #
11)	Tetryl	9.51	9.50	1428085	2325454	534.417	504.633
12)	2,4,6-Trinitroto	9.92	9.92	1706392	1969687	506.437	502.818
13)	2-Amino-4,6-Dini	10.33	10.34	1666378	2400202	552.936	578.580
14)	4-Amino-2,6-Dini	10.86	10.86	1109424	2113887	495.074	520.811
16)	2,4-Dinitrotolue	11.83	11.84	2370121	1469555	515.491	522.732
17)	2,6-Dinitrotolue	12.26	12.27	1431261	1755706	535.085	537.571
18)	o-Nitrotoluene	14.49	14.49	1125698	1560484	524.925m	551.998m
19)	p-Nitrotoluene	14.88	14.88	1745731	1471731	505.315m	545.315m
20)	m-Nitrotoluene	15.42	15.42	1653616	1963090	518.392m	548.706m
21)	PETN	0.00	17.06	0	3877835	N.D. d	2852.106m

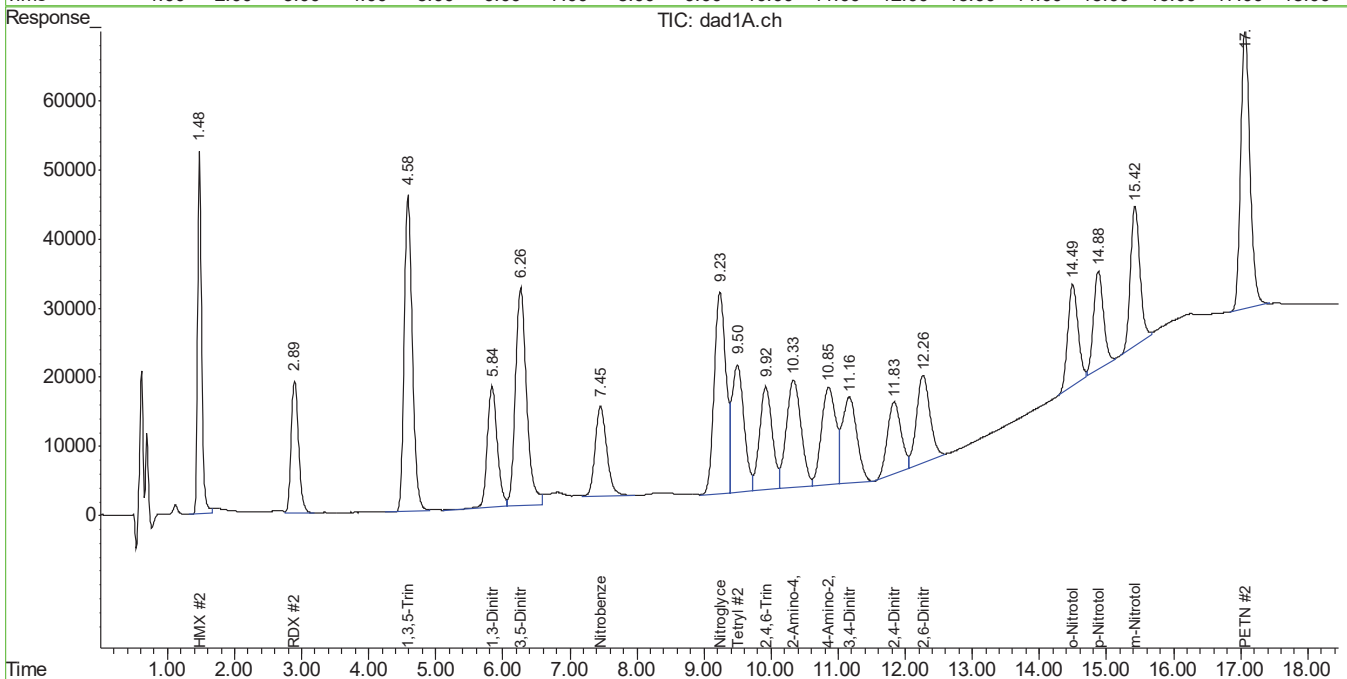
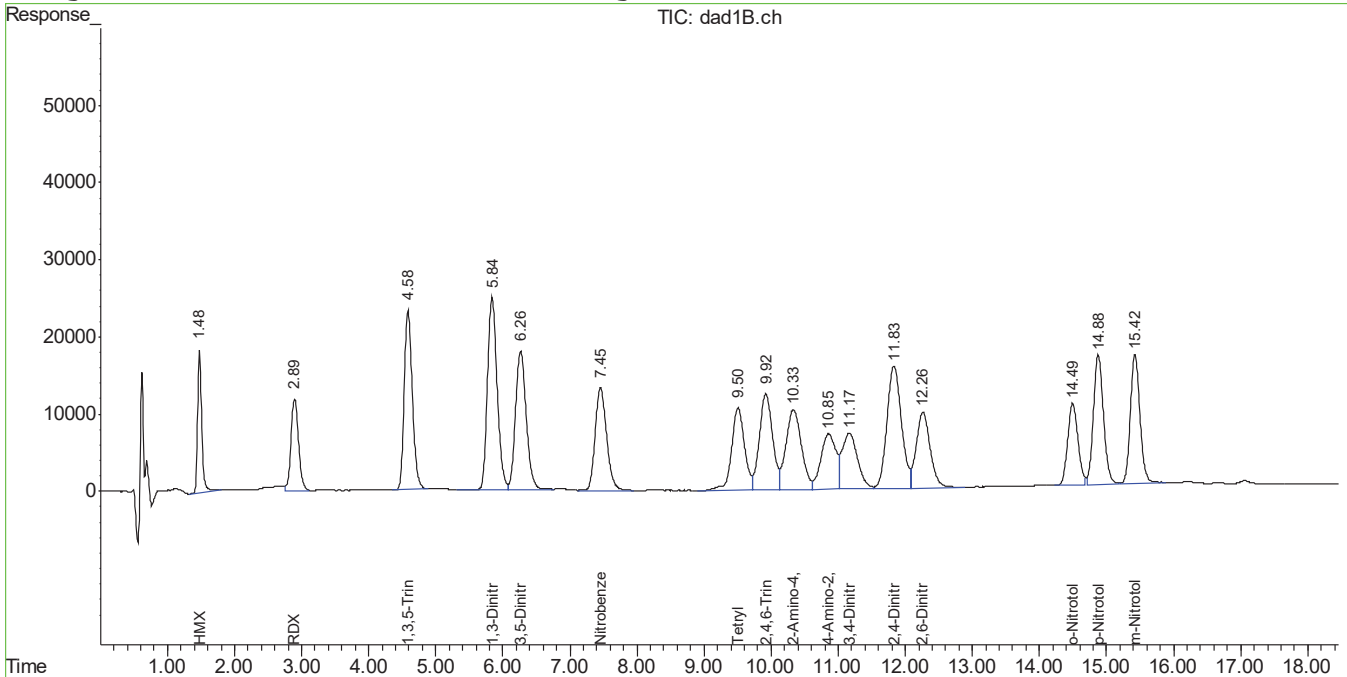
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050334.D 8330B_0224.M Wed Mar 16 09:19:54 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050334.D\dad1B.ch Vial: 43
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050334.D\dad1A.ch
 Acq On : 15-Mar-2016, 08:26:13 Operator: kismet1
 Sample : op59619-bs Inst : G1315B
 Misc : op59619,GBB1423,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 8:16 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.3.1
 7

Manual Integration Approval Summary

Sample Number: OP59619-BS Method: SW846 8330B
Lab FileID: BB050334.D Analyst approved: 03/16/16 09:39 Kismet Lugo
Injection Time: 03/15/16 08:26 Supervisor approved: 03/16/16 12:13 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
RDX	121-82-4	1	2.89	Overlapping peak
Nitrobenzene	98-95-3	2	7.45	Poor instrument integration
o-Nitrotoluene	88-72-2	1	14.49	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.49	Poor instrument integration
p-Nitrotoluene	99-99-0	1	14.88	Poor instrument integration
p-Nitrotoluene	99-99-0	2	14.88	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.42	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.42	Poor instrument integration
PETN	78-11-5	2	17.06	Poor instrument integration

7.3.1.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050338.D\dad1B.ch Vial: 47
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050338.D\dad1A.ch
 Acq On : 15-Mar-2016, 10:13:46 Operator: kismet1
 Sample : op59710-bs Inst : G1315B
 Misc : op59710,GBB1423,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 06:50:22 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.19	11.19	1139669	1877315	499.247	517.427
	Spiked Amount	500.000	Range	69 - 134	Recovery	=	99.85% 103.49%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	1.48	1.48	826556	2282843	472.763	467.427m
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D. d	N.D. d
5)	RDX	2.90	2.90	930229	1516238	508.237	526.416
6)	1,3,5-Trinitrobe	4.59	4.59	2014888	3953969	523.055	524.695
7)	1,3-Dinitrobenze	5.85	5.85	2564315	1752568	505.751	505.465m
8)	3,5-Dinitroanili	6.28	6.27	2073219	3489632	458.524	465.993m
9)	Nitrobenzene	7.47	7.47	1629402	1555141	545.052	534.407m
10)	Nitroglycerin	0.00	9.25	0	2924649	N.D.	2385.878 #
11)	Tetryl	9.52	9.51	1491341	2443161	558.088	530.176
12)	2,4,6-Trinitroto	9.94	9.94	1670912	1924137	495.907	491.190
13)	2-Amino-4,6-Dini	10.35	10.35	1699564	2411889	563.640	581.397
14)	4-Amino-2,6-Dini	10.88	10.88	1132716	2158676	505.468	531.363
16)	2,4-Dinitrotolue	11.85	11.85	2416666	1517398	525.614	539.750
17)	2,6-Dinitrotolue	12.28	12.29	1410850	1786887	527.454	547.118
18)	o-Nitrotoluene	14.51	14.51	1169843	1591053	545.511m	562.811m
19)	p-Nitrotoluene	14.89	14.89	1778072	1516454	514.676m	561.885m
20)	m-Nitrotoluene	15.44	15.44	1802870	2119693	565.181m	592.478m
21)	PETN	0.00	17.08	0	3372381	N.D. d	2480.350m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050338.D 8330B_0224.M Wed Mar 16 09:19:58 2016

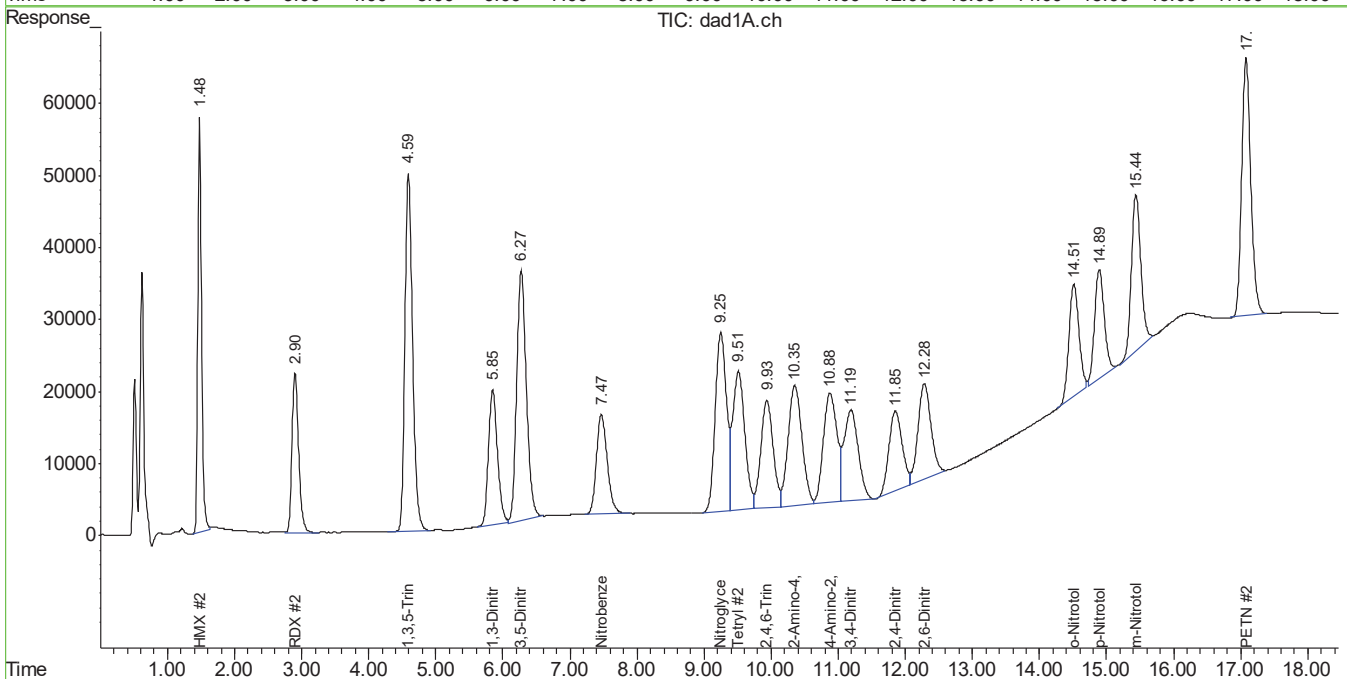
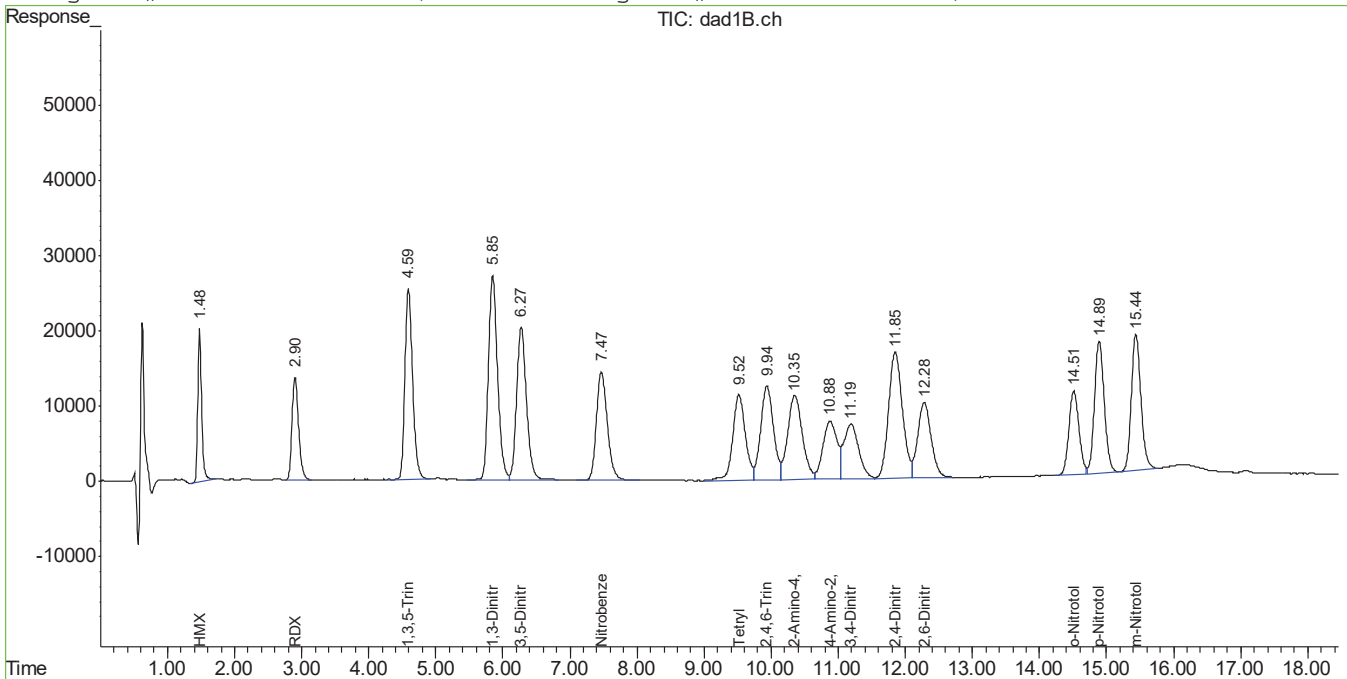
7.3.2
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050338.D\dad1B.ch Vial: 47
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050338.D\dad1A.ch
 Acq On : 15-Mar-2016, 10:13:46 Operator: kismet1
 Sample : op59710-bs Inst : G1315B
 Misc : op59710,GBB1423,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 8:24 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



Manual Integration Approval Summary

Sample Number: OP59710-BS Method: SW846 8330B
Lab FileID: BB050338.D Analyst approved: 03/16/16 09:40 Kismet Lugo
Injection Time: 03/15/16 10:13 Supervisor approved: 03/16/16 12:13 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
HMX	2691-41-0	2	1.48	Poor instrument integration
1,3-Dinitrobenzene	99-65-0	2	5.85	Poor instrument integration
3,5-Dinitroaniline	618-87-1	2	6.27	Poor instrument integration
Nitrobenzene	98-95-3	2	7.47	Poor instrument integration
o-Nitrotoluene	88-72-2	1	14.51	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.51	Poor instrument integration
p-Nitrotoluene	99-99-0	1	14.89	Poor instrument integration
p-Nitrotoluene	99-99-0	2	14.89	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.44	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.44	Poor instrument integration
PETN	78-11-5	2	17.08	Poor instrument integration

7.3.2.1

7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050412.D\dad1B.ch Vial: 25
 Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050412.D\dad1A.ch
 Acq On : 16-Mar-2016, 18:01:48 Operator: kismet1
 Sample : op59713-bs Inst : G1315B
 Misc : op59713,GBB1424,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 17 07:12:11 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Mar 17 07:11:30 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.14	11.14	1091584	1820439	478.183	502.230
	Spiked Amount	500.000	Range	69 - 134	Recovery	=	95.64% 100.45%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	1.47	1.47	790018	2227622	451.865	456.120
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D.	N.D.
5)	RDX	2.88	2.88	888960	1462056	485.689	507.604
6)	1,3,5-Trinitrobe	4.56	4.56	1945804	3840052	505.121	509.579
7)	1,3-Dinitrobenze	5.82	5.82	2439546	1802685	481.143	519.919
8)	3,5-Dinitroanili	6.22	6.22	1964018	3396704	434.373	453.584m
9)	Nitrobenzene	7.47	7.47	1579157	1489297	528.244	511.781m
10)	Nitroglycerin	0.00	9.21	0	2925463	N.D.	2386.542 #
11)	Tetryl	9.46	9.45	1405693	2341330	526.037	508.078
12)	2,4,6-Trinitroto	9.87	9.87	1583759	1850684	470.041	472.439
13)	2-Amino-4,6-Dini	10.27	10.27	1628524	2355721	540.712	567.858
14)	4-Amino-2,6-Dini	10.80	10.80	1078901	2087522	481.453	514.590
16)	2,4-Dinitrotolue	11.80	11.81	2307231	1447856	501.812	515.013
17)	2,6-Dinitrotolue	12.25	12.25	1331687	1697071	497.859	519.617
18)	o-Nitrotoluene	14.53	14.53	1119504	1498307	522.037m	530.004m
19)	p-Nitrotoluene	14.90	14.90	1727098	1451846	499.922m	537.947m
20)	m-Nitrotoluene	15.45	15.45	1644242	1949501	515.453m	544.908m
21)	PETN	0.00	17.06	0	3314683	N.D. d	2437.914m

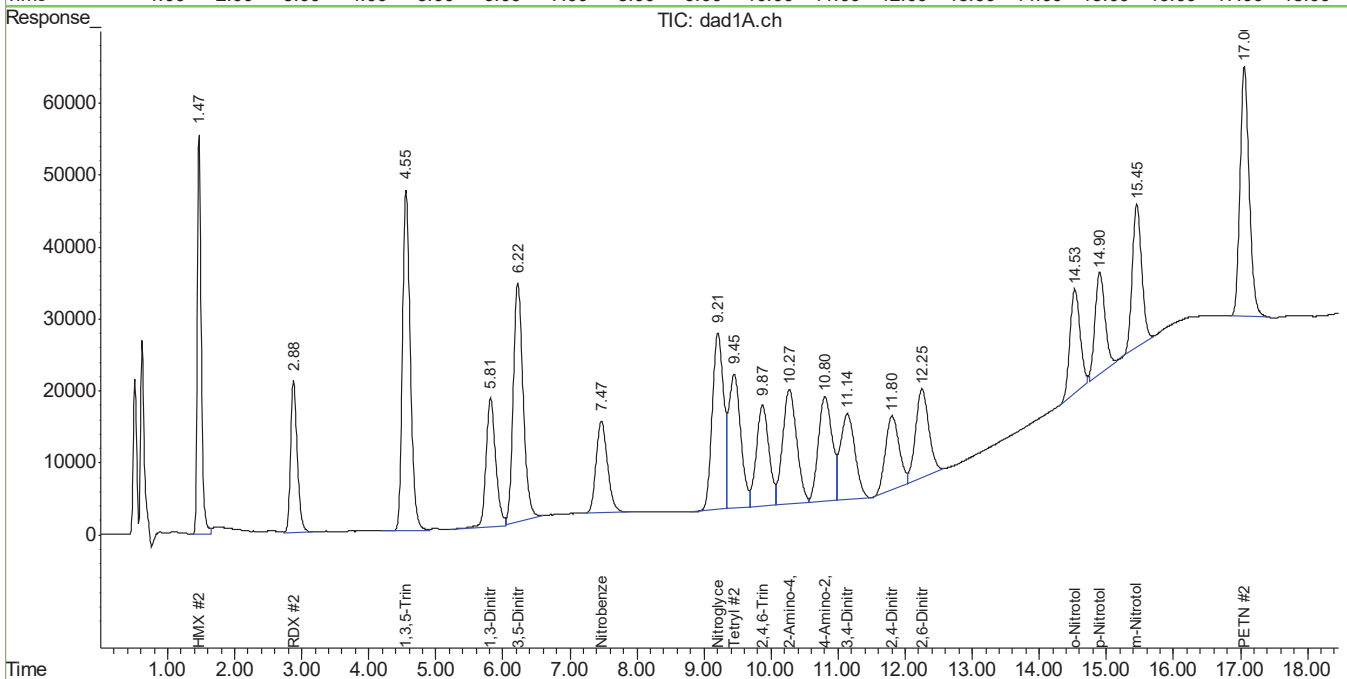
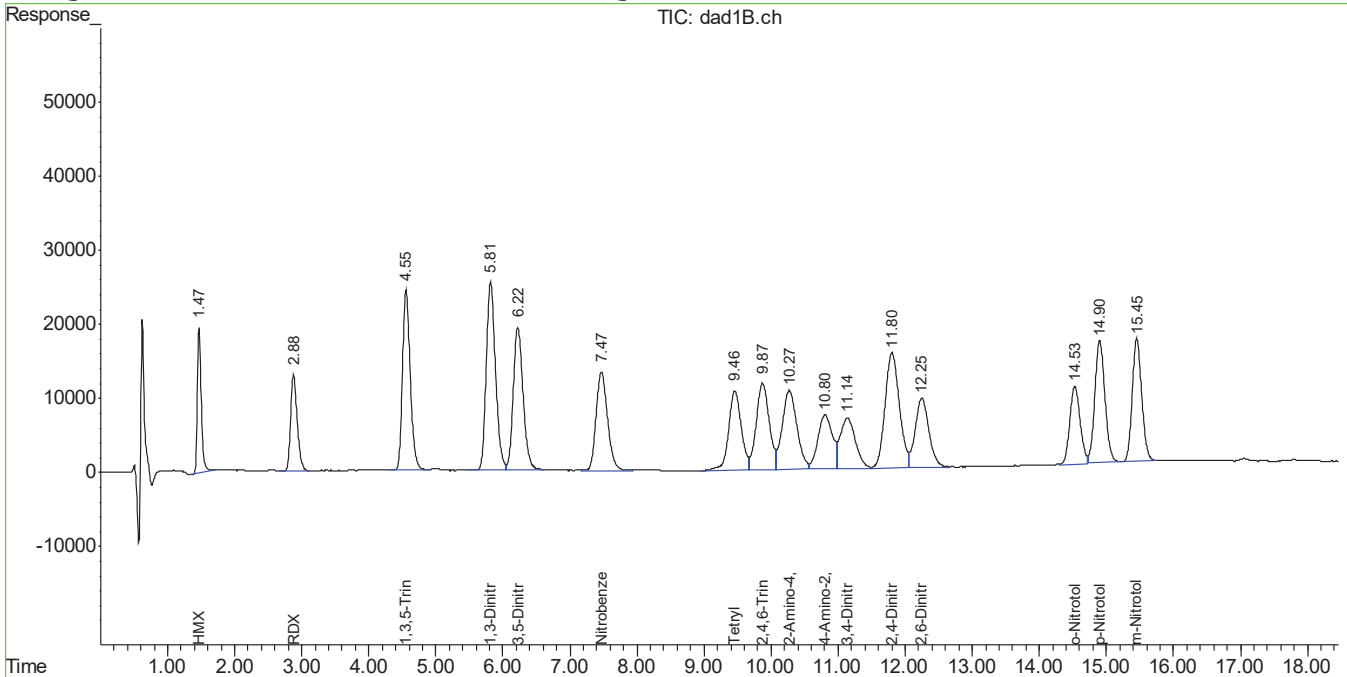
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050412.D 8330B_0224.M Thu Mar 17 08:55:21 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050412.D\dad1B.ch Vial: 25
 Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050412.D\dad1A.ch
 Acq On : 16-Mar-2016, 18:01:48 Operator: kismet1
 Sample : op59713-bs Inst : G1315B
 Misc : op59713,GBB1424,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 17 8:13 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Mar 17 07:11:30 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.3.3
7

Manual Integration Approval Summary

Sample Number: OP59713-BS **Method:** SW846 8330B
Lab FileID: BB050412.D **Analyst approved:** 03/17/16 09:20 Kismet Lugo
Injection Time: 03/16/16 18:01 **Supervisor approved:** 03/17/16 10:42 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
3,5-Dinitroaniline	618-87-1	2	6.22	Poor instrument integration
Nitrobenzene	98-95-3	2	7.47	Poor instrument integration
o-Nitrotoluene	88-72-2	1	14.53	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.53	Poor instrument integration
p-Nitrotoluene	99-99-0	1	14.90	Poor instrument integration
p-Nitrotoluene	99-99-0	2	14.90	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.45	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.45	Poor instrument integration
PETN	78-11-5	2	17.06	Poor instrument integration

7.3.3.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050341.D\dad1B.ch Vial: 50
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050341.D\dad1A.ch
 Acq On : 15-Mar-2016, 11:30:07 Operator: kismet1
 Sample : op59710-pt1,phen Inst : G1315B
 Misc : op59710,GBB1423,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 06:50:25 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.19	11.20	1052578	1786634	461.095	493.184
	Spiked Amount	500.000	Range	69 - 134	Recovery	=	92.22% 98.64%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	1.48	1.48	165401	434561	94.604	88.979
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D.	N.D.
5)	RDX	2.90	2.90	150546	240276	82.252m	83.420
6)	1,3,5-Trinitrobo	4.59	4.59	415574	812703	107.881m	107.846
7)	1,3-Dinitrobenze	5.84	5.85	561995	373577	110.840m	107.745m
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D.	N.D.
9)	Nitrobenzene	7.47	7.46	304752	299586	101.942	102.950m
10)	Nitroglycerin	0.00	9.24	0	136284	N.D.	111.178m#
11)	Tetryl	0.00	0.00	0	0	N.D. d	N.D. d
12)	2,4,6-Trinitroto	9.94	9.94	364759	434848	108.256	111.007m
13)	2-Amino-4,6-Dini	10.35	10.35	322622	492863	109.526	118.807
14)	4-Amino-2,6-Dini	10.89	10.88	112469	188850	50.189	48.498
16)	2,4-Dinitrotolue	11.85	11.86	502940	270173	109.387	96.103
17)	2,6-Dinitrotolue	12.28	12.29	296382	323716	110.804	99.117
18)	o-Nitrotoluene	14.51	14.52	224441	313249	104.659m	110.807m
19)	p-Nitrotoluene	14.89	14.90	354076	285276	102.490m	105.702m
20)	m-Nitrotoluene	15.43	15.44	331136	357189	103.808m	99.838m
21)	PETN	0.00	17.08	0	161560	N.D. d	118.826m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050341.D 8330B_0224.M Wed Mar 16 09:20:01 2016

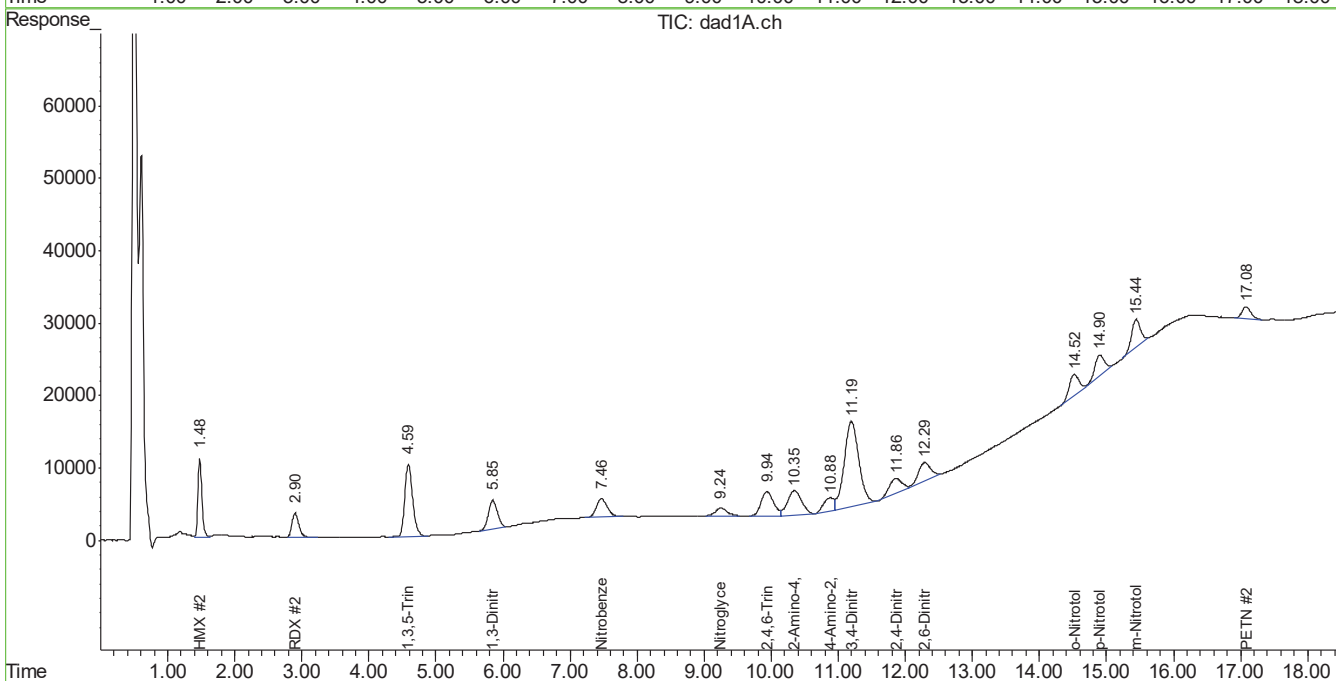
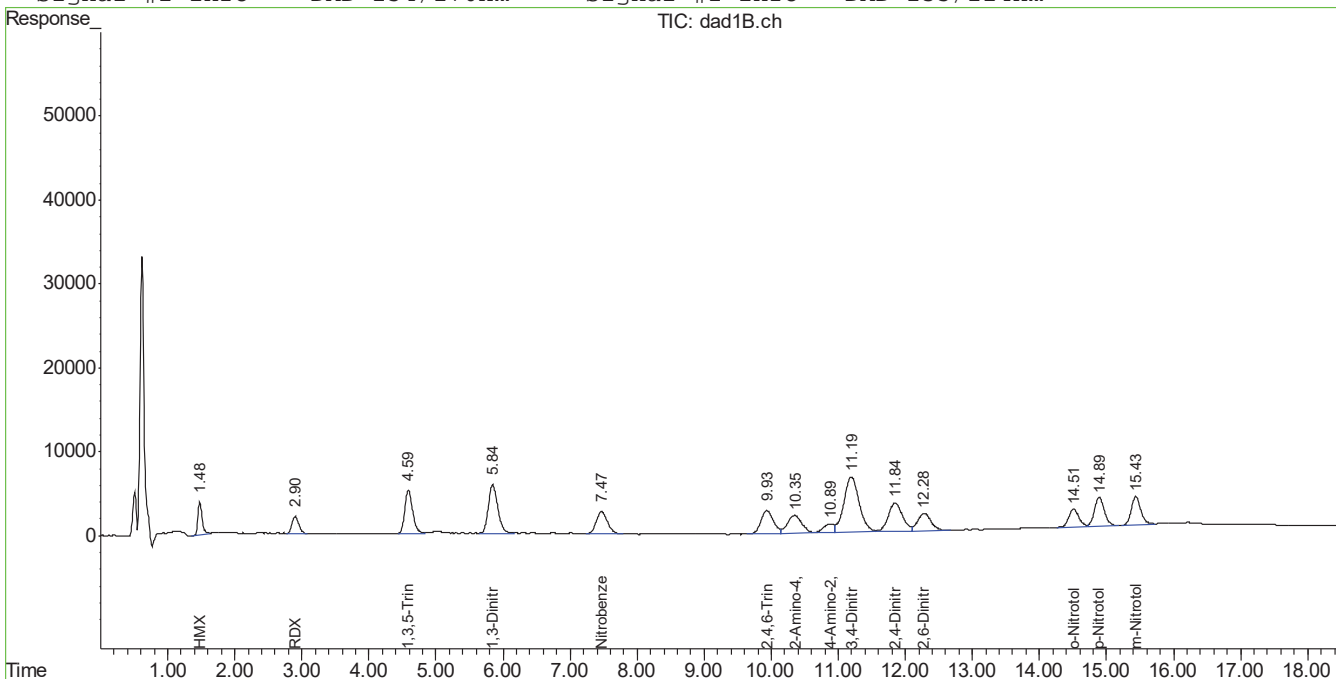
7.4.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050341.D\dad1B.ch Vial: 50
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050341.D\dad1A.ch
 Acq On : 15-Mar-2016, 11:30:07 Operator: kismet1
 Sample : op59710-pt1,phen Inst : G1315B
 Misc : op59710,GBB1423,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 8:31 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.4.1
7

Manual Integration Approval Summary

Sample Number: OP59710-PT1 **Method:** SW846 8330B
Lab FileID: BB050341.D **Analyst approved:** 03/16/16 09:40 Kismet Lugo
Injection Time: 03/15/16 11:30 **Supervisor approved:** 03/16/16 12:13 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
RDX	121-82-4	1	2.90	Poor instrument integration
1,3,5-Trinitrobenzene	99-35-4	1	4.59	Poor instrument integration
1,3-Dinitrobenzene	99-65-0	1	5.84	Poor instrument integration
1,3-Dinitrobenzene	99-65-0	2	5.85	Poor instrument integration
Nitrobenzene	98-95-3	2	7.46	Poor instrument integration
Nitroglycerine	55-63-0	2	9.24	Poor instrument integration
2,4,6-Trinitrotoluene	118-96-7	2	9.94	Poor instrument integration
o-Nitrotoluene	88-72-2	1	14.51	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.52	Poor instrument integration
p-Nitrotoluene	99-99-0	1	14.89	Poor instrument integration
p-Nitrotoluene	99-99-0	2	14.90	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.43	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.44	Poor instrument integration
PETN	78-11-5	2	17.08	Poor instrument integration

7.4.1.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050414.D\dad1B.ch Vial: 27
 Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050414.D\dad1A.ch
 Acq On : 16-Mar-2016, 18:52:47 Operator: kismet1
 Sample : op59713-pt1,phen Inst : G1315B
 Misc : op59713,GBB1424,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 17 07:12:13 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Mar 17 07:11:30 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.14	11.14	1065294	1791278	466.666	494.428
	Spiked Amount	500.000	Range	69 - 134	Recovery	=	93.33% 98.89%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	1.47	1.47	183440	435159	104.922	89.102
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D.	N.D.
5)	RDX	2.88	2.88	147309	225847	80.483m	78.411m
6)	1,3,5-Trinitrobe	4.56	4.56	408043	811082	105.926	107.631
7)	1,3-Dinitrobenze	5.81	5.81	561335	389272	110.710m	112.271m
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D.	N.D.
9)	Nitrobenzene	7.47	7.47	300430	290939	100.497	99.978m
10)	Nitroglycerin	0.00	9.21	0	137430	N.D.	112.113m#
11)	Tetryl	0.00	0.00	0	0	N.D. d	N.D. d
12)	2,4,6-Trinitroto	9.87	9.87	365132	450715	108.367	115.058m
13)	2-Amino-4,6-Dini	10.27	10.27	322394	487988	109.448	117.632
14)	4-Amino-2,6-Dini	10.81	10.80	112649	199345	50.269	51.180
16)	2,4-Dinitrotolue	11.80	11.81	495240	268005	107.713	95.331m
17)	2,6-Dinitrotolue	12.25	12.26	286576	284699	107.138	87.171
18)	o-Nitrotoluene	14.53	14.54	230511	294653	107.490m	104.229m
19)	p-Nitrotoluene	14.90	14.91	359832	297077	104.156m	110.075m
20)	m-Nitrotoluene	15.45	15.46	332899	358757	104.360m	100.277m
21)	PETN	0.00	17.05	0	139022	N.D. d	102.249m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050414.D 8330B_0224.M Thu Mar 17 10:27:21 2016

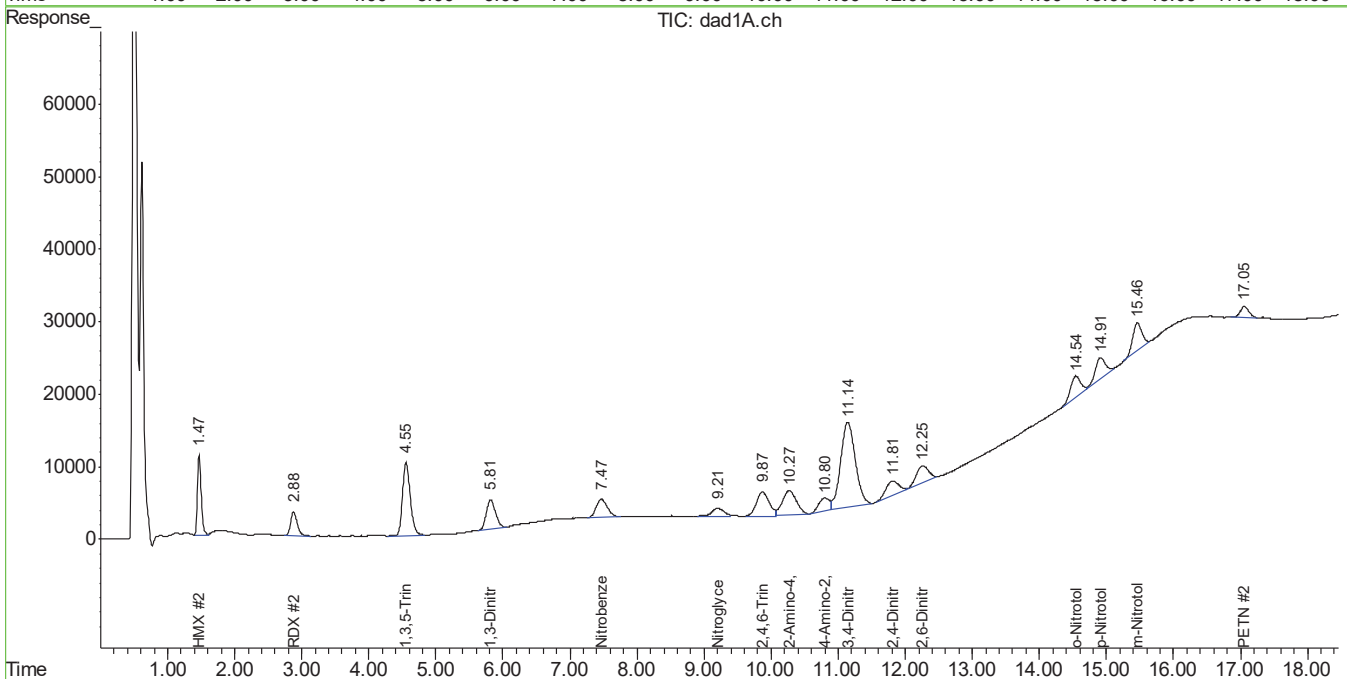
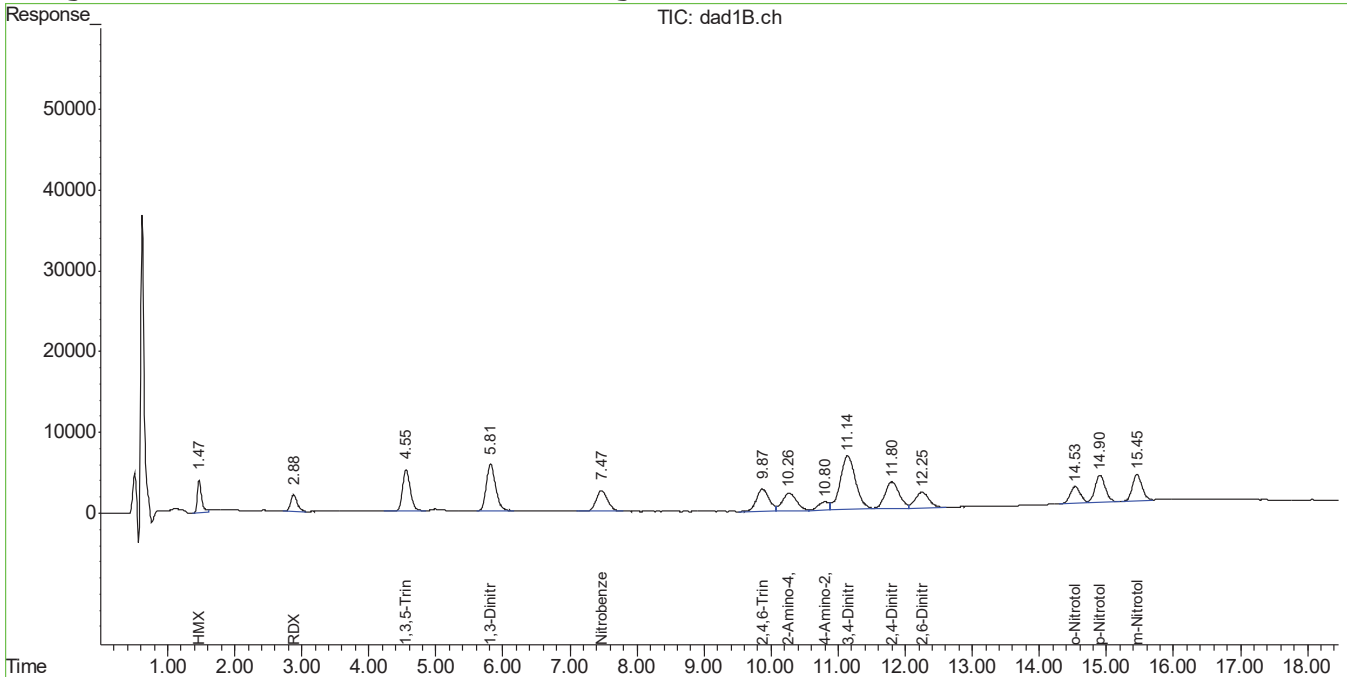
7.4.2
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050414.D\dad1B.ch Vial: 27
 Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050414.D\dad1A.ch
 Acq On : 16-Mar-2016, 18:52:47 Operator: kismet1
 Sample : op59713-pt1,phen Inst : G1315B
 Misc : op59713,GBB1424,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 17 10:27 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Mar 17 07:11:30 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.4.2
7

Manual Integration Approval Summary

Sample Number: OP59713-PT1 **Method:** SW846 8330B
Lab FileID: BB050414.D **Analyst approved:** 03/17/16 10:31 Mike Eger
Injection Time: 03/16/16 18:52 **Supervisor approved:** 03/17/16 10:42 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
RDX	121-82-4	1	2.88	Poor instrument integration
RDX	121-82-4	2	2.88	Poor instrument integration
1,3-Dinitrobenzene	99-65-0	1	5.81	Poor instrument integration
1,3-Dinitrobenzene	99-65-0	2	5.81	Poor instrument integration
Nitrobenzene	98-95-3	2	7.47	Poor instrument integration
Nitroglycerine	55-63-0	2	9.21	Poor instrument integration
2,4,6-Trinitrotoluene	118-96-7	2	9.87	Poor instrument integration
2,4-Dinitrotoluene	121-14-2	2	11.81	Poor instrument integration
o-Nitrotoluene	88-72-2	1	14.53	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.54	Poor instrument integration
p-Nitrotoluene	99-99-0	1	14.90	Poor instrument integration
p-Nitrotoluene	99-99-0	2	14.91	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.45	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.46	Poor instrument integration
PETN	78-11-5	2	17.05	Poor instrument integration

7.4.2.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050347.D\dad1B.ch Vial: 54
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050347.D\dad1A.ch
 Acq On : 15-Mar-2016, 14:07:14 Operator: kismet1
 Sample : op59710-ms Inst : G1315B
 Misc : op59710,GBB1423,10.1,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 06:50:31 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.21	11.21	1096927	1830011	480.523	504.790
	Spiked Amount	500.000	Range	69 - 134	Recovery	=	96.10% 100.96%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	1.48	1.48	820725	2342817	469.428m	479.707
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D.	N.D.
5)	RDX	2.90	2.90	913140	1489054	498.900	516.977
6)	1,3,5-Trinitrobe	4.59	4.59	1961936	3838401	509.309	509.360
7)	1,3-Dinitrobenze	5.85	5.85	2503566	1800216	493.769	519.207
8)	3,5-Dinitroanili	6.27	6.27	1991286	3367306	440.404	449.658m
9)	Nitrobenzene	7.48	7.48	1585092	1526973	530.229	524.728m
10)	Nitroglycerin	0.00	9.26	0	2788792	N.D.	2275.048 #
11)	Tetryl	9.53	9.52	1403075	2315496	525.057	502.472
12)	2,4,6-Trinitroto	9.95	9.95	1629659	1875146	483.663	478.684
13)	2-Amino-4,6-Dini	10.36	10.36	1637589	2326951	543.640	560.923
14)	4-Amino-2,6-Dini	10.89	10.89	1093226	2098945	487.846	517.286
16)	2,4-Dinitrotolue	11.86	11.87	2344373	1481268	509.891	526.898
17)	2,6-Dinitrotolue	12.30	12.30	1368425	1754441	511.593	537.183
18)	o-Nitrotoluene	14.52	14.52	1167072	1596044	544.218m	564.577m
19)	p-Nitrotoluene	14.90	14.90	1851487	1500921	535.927m	556.130m
20)	m-Nitrotoluene	15.45	15.45	1692160	1964201	530.475m	549.016m
21)	PETN	0.00	17.09	0	3389912	N.D. d	2493.244m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050347.D 8330B_0224.M Wed Mar 16 09:20:07 2016

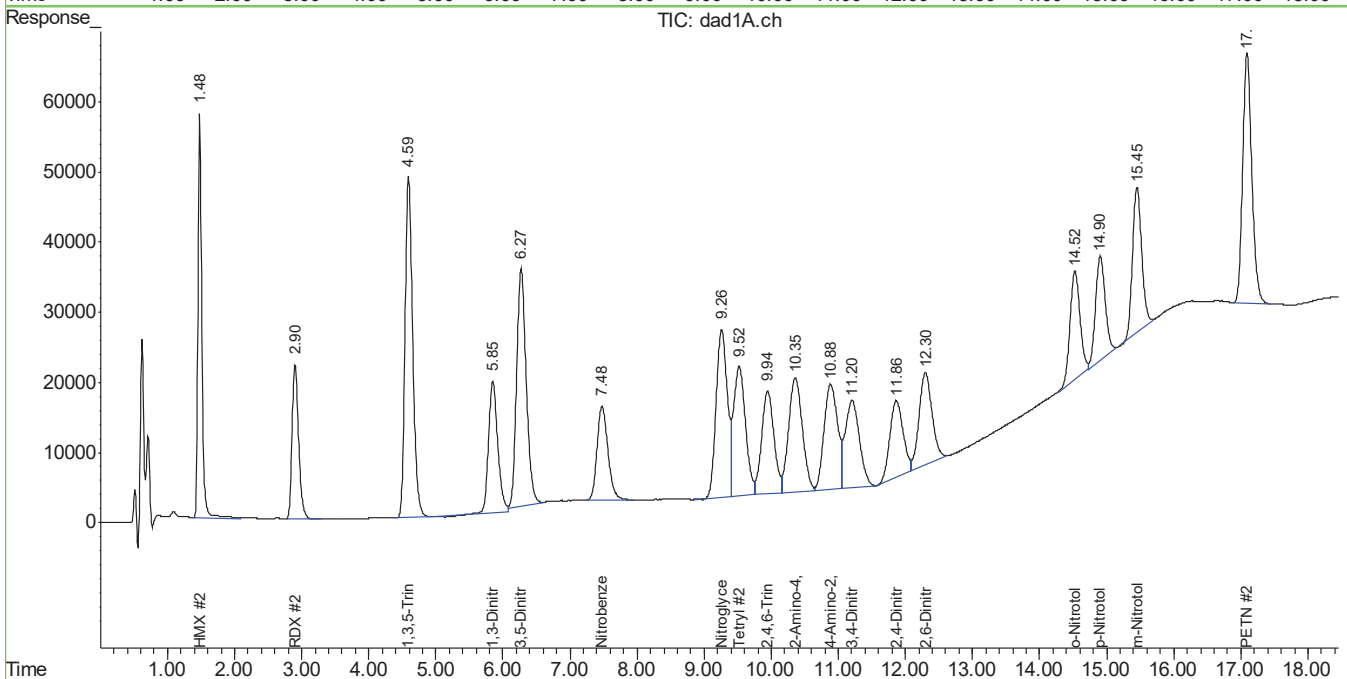
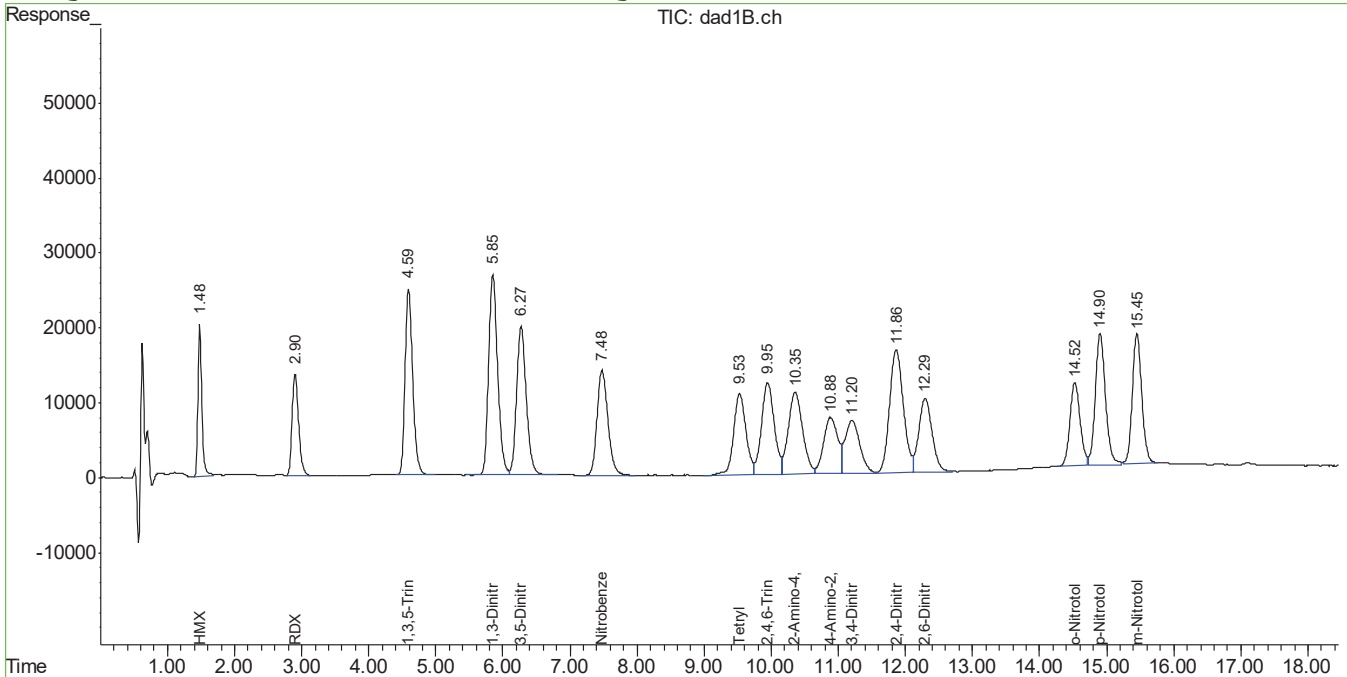
7.5.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050347.D\dad1B.ch Vial: 54
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050347.D\dad1A.ch
 Acq On : 15-Mar-2016, 14:07:14 Operator: kismet1
 Sample : op59710-ms Inst : G1315B
 Misc : op59710,GBB1423,10.1,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 8:36 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.51
7

Manual Integration Approval Summary

Sample Number: OP59710-MS Method: SW846 8330B
Lab FileID: BB050347.D Analyst approved: 03/16/16 09:50 Kismet Lugo
Injection Time: 03/15/16 14:07 Supervisor approved: 03/16/16 12:13 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
HMX	2691-41-0	1	1.48	Poor instrument integration
3,5-Dinitroaniline	618-87-1	2	6.27	Poor instrument integration
Nitrobenzene	98-95-3	2	7.48	Poor instrument integration
o-Nitrotoluene	88-72-2	1	14.52	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.52	Poor instrument integration
p-Nitrotoluene	99-99-0	1	14.90	Poor instrument integration
p-Nitrotoluene	99-99-0	2	14.90	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.45	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.45	Poor instrument integration
PETN	78-11-5	2	17.09	Poor instrument integration

7.5.1.1
7

Manual Integrations
APPROVED
 (compounds with "m" flag)
Mike Eger
03/16/16 12:13

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050348.D\dad1B.ch Vial: 55
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050348.D\dad1A.ch
 Acq On : 15-Mar-2016, 14:32:40 Operator: kismet1
 Sample : op59710-msd Inst : G1315B
 Misc : op59710,GBB1423,10.1,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 06:50:32 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.21	11.21	1102930	1853201	483.153	510.987
	Spiked Amount	500.000	Range	69 - 134	Recovery	=	96.63% 102.20%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	1.48	1.48	830960	2275511	475.282m	465.926m
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D.	N.D.
5)	RDX	2.90	2.90	913593	1495513	499.148	519.220
6)	1,3,5-Trinitrobo	4.59	4.59	1969331	3855704	511.229	511.656
7)	1,3-Dinitrobenze	5.85	5.85	2513458	1722581	495.721	496.816m
8)	3,5-Dinitroanili	6.27	6.27	1984523	3354141	438.908	447.900m
9)	Nitrobenzene	7.48	7.48	1593317	1521438	532.981	522.826m
10)	Nitroglycerin	0.00	9.26	0	2839092	N.D.	2316.082 #
11)	Tetryl	9.53	9.53	1413701	2344882	529.034	508.849
12)	2,4,6-Trinitroto	9.95	9.95	1638658	1902317	486.334	485.620
13)	2-Amino-4,6-Dini	10.36	10.36	1642989	2347492	545.385	565.874
14)	4-Amino-2,6-Dini	10.89	10.89	1106109	2118986	493.595	522.013
16)	2,4-Dinitrotolue	11.86	11.87	2358383	1500901	512.938	533.882
17)	2,6-Dinitrotolue	12.30	12.30	1377207	1775719	514.877	543.698
18)	o-Nitrotoluene	14.53	14.52	1142278	1553943	532.656m	549.684m
19)	p-Nitrotoluene	14.90	14.90	1761933	1477803	510.005m	547.564m
20)	m-Nitrotoluene	15.45	15.45	1657273	1959982	519.538m	547.837m
21)	PETN	0.00	17.09	0	3433318	N.D. d	2525.169m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050348.D 8330B_0224.M Wed Mar 16 09:20:08 2016

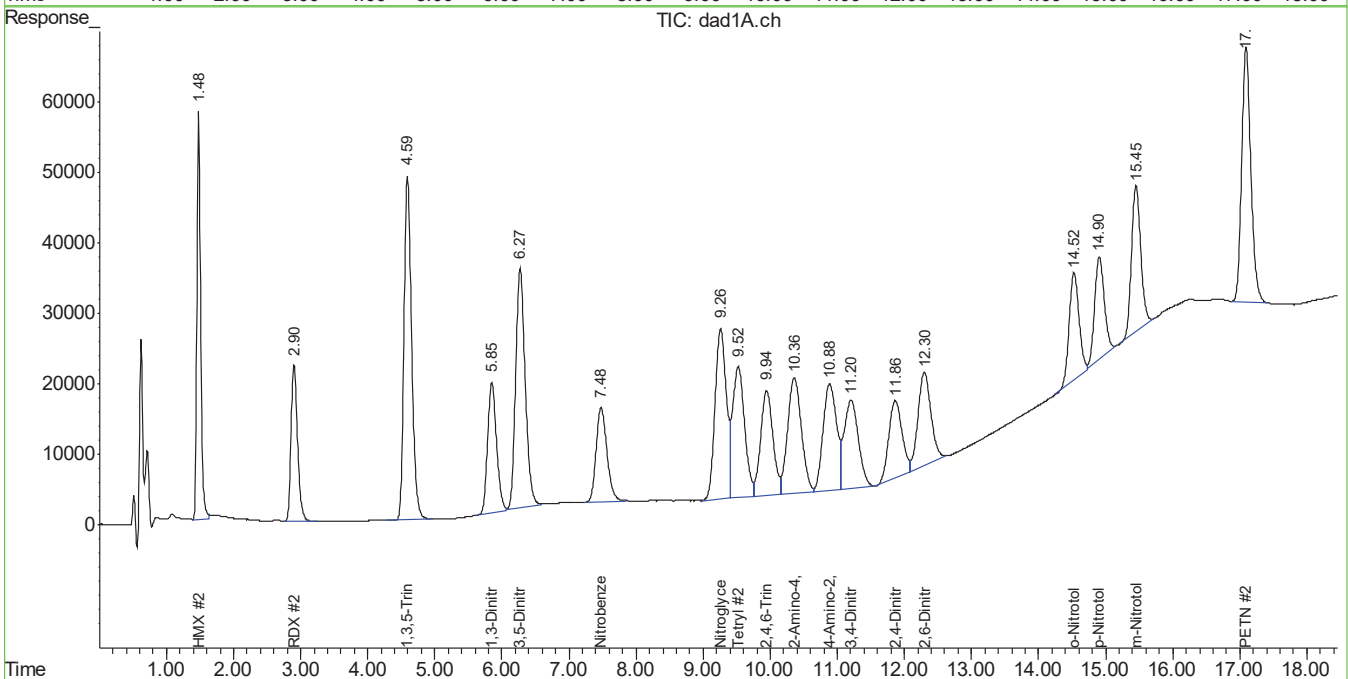
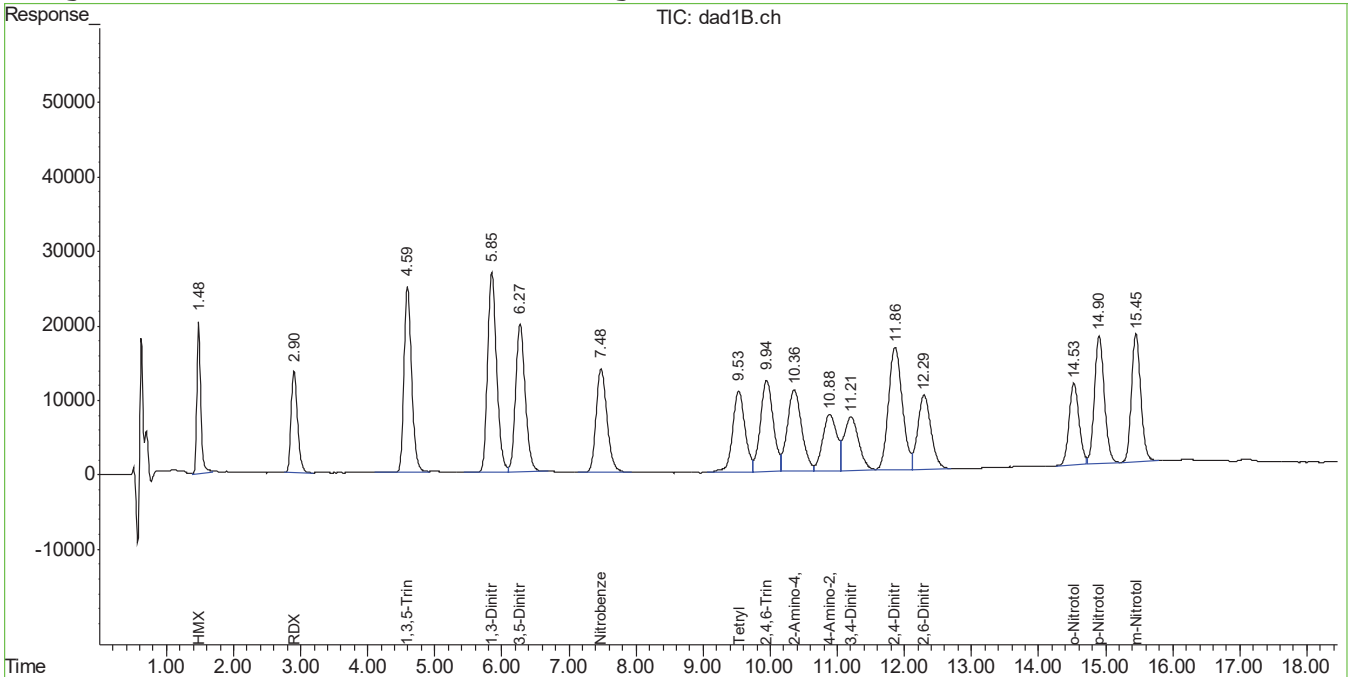
7.5.2
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050348.D\dad1B.ch Vial: 55
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050348.D\dad1A.ch
 Acq On : 15-Mar-2016, 14:32:40 Operator: kismet1
 Sample : op59710-msd Inst : G1315B
 Misc : op59710,GBB1423,10.1,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 8:38 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



Manual Integration Approval Summary

Sample Number: OP59710-MSD **Method:** SW846 8330B
Lab FileID: BB050348.D **Analyst approved:** 03/16/16 09:50 Kismet Lugo
Injection Time: 03/15/16 14:32 **Supervisor approved:** 03/16/16 12:13 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
HMX	2691-41-0	1	1.48	Poor instrument integration
HMX	2691-41-0	2	1.48	Poor instrument integration
1,3-Dinitrobenzene	99-65-0	2	5.85	Poor instrument integration
3,5-Dinitroaniline	618-87-1	2	6.27	Poor instrument integration
Nitrobenzene	98-95-3	2	7.48	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.52	Poor instrument integration
o-Nitrotoluene	88-72-2	1	14.53	Poor instrument integration
p-Nitrotoluene	99-99-0	1	14.90	Poor instrument integration
p-Nitrotoluene	99-99-0	2	14.90	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.45	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.45	Poor instrument integration
PETN	78-11-5	2	17.09	Poor instrument integration

7.5.2.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050422.D\dad1B.ch Vial: 33
 Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050422.D\dad1A.ch
 Acq On : 16-Mar-2016, 22:16:38 Operator: kismet1
 Sample : op59713-ms Inst : G1315B
 Misc : op59713,GBB1424,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 17 07:12:21 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Mar 17 07:11:30 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.13	11.13	1060340	1806621	464.496	498.534
	Spiked Amount	500.000	Range	69 - 134	Recovery	=	92.90% 99.71%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	1.47	1.47	828732	2242395	474.008	459.145
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D.	N.D.
5)	RDX	2.88	2.88	887836	1439427	485.075	499.748
6)	1,3,5-Trinitrobe	4.55	4.55	1901369	3748901	493.586	497.483
7)	1,3-Dinitrobenze	5.81	5.81	2440569	1810384	481.345	522.140
8)	3,5-Dinitroanili	6.22	6.22	1952337	3325076	431.789	444.019m
9)	Nitrobenzene	7.47	7.47	1601692	1514545	535.782	520.457m
10)	Nitroglycerin	0.00	9.20	0	2858593	N.D.	2331.990 #
11)	Tetryl	9.45	9.44	1316938	2208757	492.823	479.309
12)	2,4,6-Trinitroto	9.86	9.86	1577711	1860086	468.246	474.839
13)	2-Amino-4,6-Dini	10.27	10.27	1603989	2333298	532.781	562.452
14)	4-Amino-2,6-Dini	10.80	10.80	1069849	2089770	477.414	515.121
16)	2,4-Dinitrotolue	11.80	11.80	2288865	1458562	497.818	518.822
17)	2,6-Dinitrotolue	12.25	12.25	1335560	1733876	499.306	530.887
18)	o-Nitrotoluene	14.53	14.53	1136263	1573696	529.852m	556.672m
19)	p-Nitrotoluene	14.90	14.90	1748533	1473963	506.126m	546.142m
20)	m-Nitrotoluene	15.45	15.45	1653279	1973141	518.286m	551.515m
21)	PETN	0.00	17.04	0	3277329	N.D. d	2410.440m

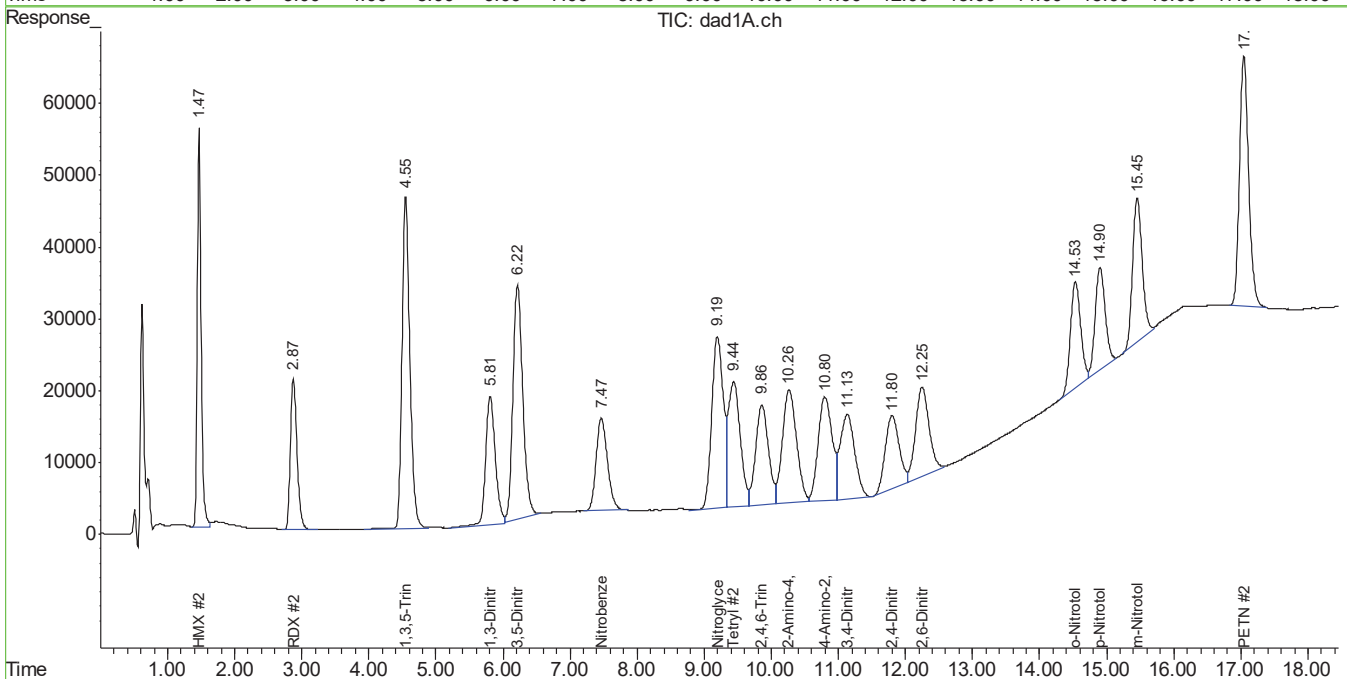
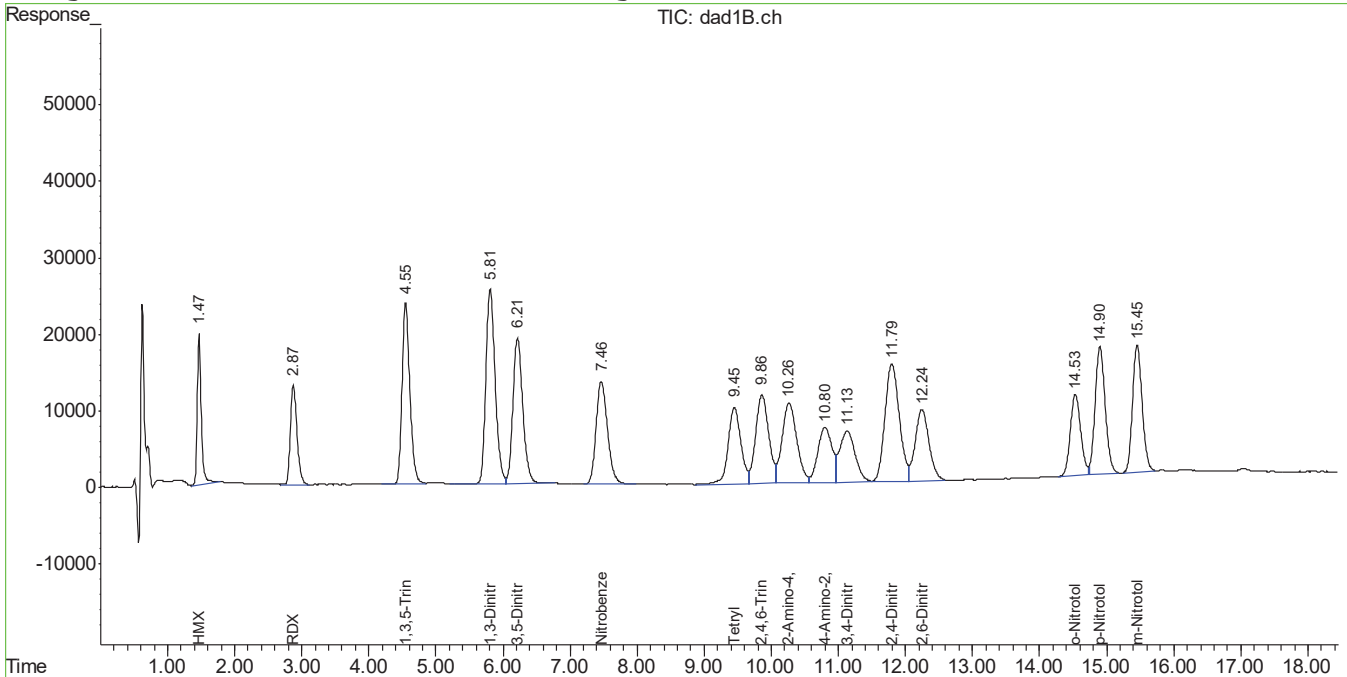
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050422.D 8330B_0224.M Thu Mar 17 08:55:31 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050422.D\dad1B.ch Vial: 33
 Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050422.D\dad1A.ch
 Acq On : 16-Mar-2016, 22:16:38 Operator: kismet1
 Sample : op59713-ms Inst : G1315B
 Misc : op59713,GBB1424,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 17 8:24 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Mar 17 07:11:30 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



Manual Integration Approval Summary

Sample Number: OP59713-MS Method: SW846 8330B
Lab FileID: BB050422.D Analyst approved: 03/17/16 09:35 Kismet Lugo
Injection Time: 03/16/16 22:16 Supervisor approved: 03/17/16 10:42 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
3,5-Dinitroaniline	618-87-1	2	6.22	Poor instrument integration
Nitrobenzene	98-95-3	2	7.47	Poor instrument integration
o-Nitrotoluene	88-72-2	1	14.53	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.53	Poor instrument integration
p-Nitrotoluene	99-99-0	1	14.90	Poor instrument integration
p-Nitrotoluene	99-99-0	2	14.90	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.45	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.45	Poor instrument integration
PETN	78-11-5	2	17.04	Poor instrument integration

7.5.3.1
7

Manual Integrations
APPROVED
 (compounds with "m" flag)
Mike Eger
03/17/16 10:42

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050423.D\dad1B.ch Vial: 34
 Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050423.D\dad1A.ch
 Acq On : 16-Mar-2016, 22:42:07 Operator: kismet1
 Sample : op59713-msd Inst : G1315B
 Misc : op59713,GBB1424,10.1,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 17 07:12:22 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Mar 17 07:11:30 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.13	11.13	1064901	1802430	466.494	497.412
	Spiked Amount	500.000	Range	69 - 134	Recovery	=	93.30% 99.48%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	1.47	1.47	847686	2250225	484.849	460.748
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D.	N.D.
5)	RDX	2.88	2.88	887122	1446464	484.685	502.191
6)	1,3,5-Trinitrobo	4.55	4.55	1904998	3737772	494.528	496.006
7)	1,3-Dinitrobenze	5.81	5.81	2433574	1806404	479.965	520.992
8)	3,5-Dinitroanili	6.22	6.21	1919448	3315516	424.516	442.742m
9)	Nitrobenzene	7.47	7.46	1593222	1552402	532.949	533.466m
10)	Nitroglycerin	0.00	9.19	0	2846716	N.D.	2322.301 #
11)	Tetryl	9.45	9.44	1317127	2212217	492.894	480.060
12)	2,4,6-Trinitroto	9.86	9.86	1576823	1854066	467.983	473.302
13)	2-Amino-4,6-Dini	10.26	10.26	1599652	2326916	531.378	560.914
14)	4-Amino-2,6-Dini	10.80	10.80	1066012	2083000	475.702	513.522
16)	2,4-Dinitrotolue	11.80	11.80	2290599	1435081	498.195	510.469
17)	2,6-Dinitrotolue	12.24	12.25	1343681	1693645	502.343	518.569
18)	o-Nitrotoluene	14.53	14.53	1140295	1600796	531.732m	566.258m
19)	p-Nitrotoluene	14.90	14.90	1751548	1533828	506.999m	568.323m
20)	m-Nitrotoluene	15.45	15.45	1665345	1996526	522.069m	558.052m
21)	PETN	0.00	17.04	0	3330227	N.D. d	2449.347m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050423.D 8330B_0224.M Thu Mar 17 08:55:32 2016

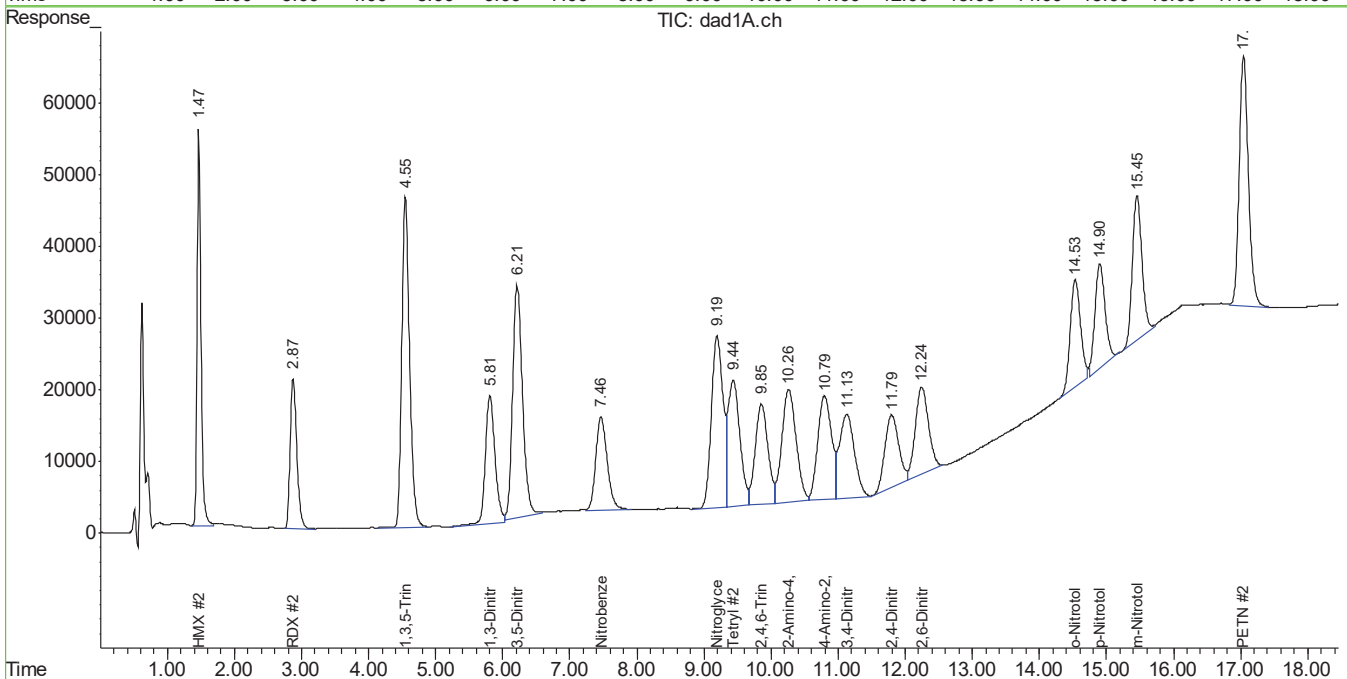
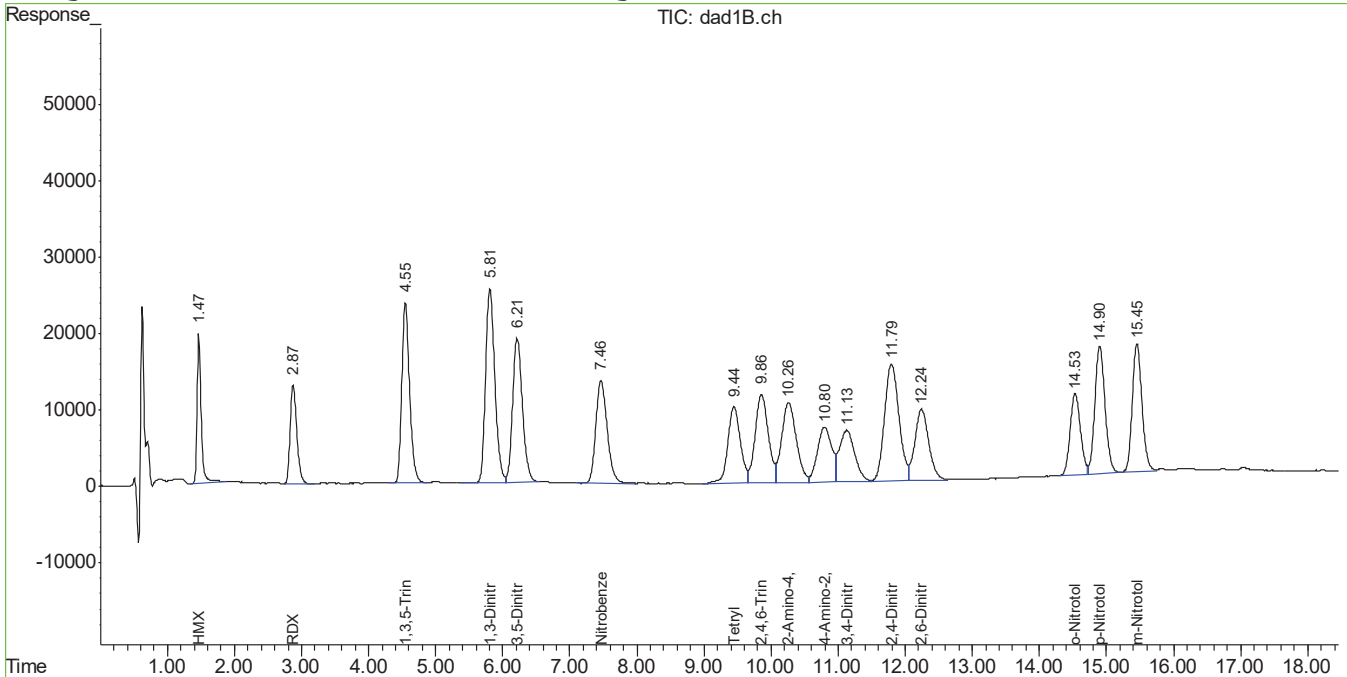
7.5.4
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050423.D\dad1B.ch Vial: 34
 Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050423.D\dad1A.ch
 Acq On : 16-Mar-2016, 22:42:07 Operator: kismet1
 Sample : op59713-msd Inst : G1315B
 Misc : op59713,GBB1424,10.1,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 17 8:25 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Mar 17 07:11:30 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



Manual Integration Approval Summary

Sample Number: OP59713-MSD Method: SW846 8330B
Lab FileID: BB050423.D Analyst approved: 03/17/16 09:35 Kismet Lugo
Injection Time: 03/16/16 22:42 Supervisor approved: 03/17/16 10:42 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
3,5-Dinitroaniline	618-87-1	2	6.21	Poor instrument integration
Nitrobenzene	98-95-3	2	7.46	Poor instrument integration
o-Nitrotoluene	88-72-2	1	14.53	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.53	Poor instrument integration
p-Nitrotoluene	99-99-0	1	14.90	Poor instrument integration
p-Nitrotoluene	99-99-0	2	14.90	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.45	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.45	Poor instrument integration
PETN	78-11-5	2	17.04	Poor instrument integration

7.5.4.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050350.D\dad1B.ch Vial: 57
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050350.D\dad1A.ch
 Acq On : 15-Mar-2016, 15:23:40 Operator: kismet1
 Sample : op59710-dup Inst : G1315B
 Misc : op59710,GBB1423,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 06:50:34 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.22	11.21	1059680	1818092	464.207	501.602m
	Spiked Amount	500.000	Range	69 - 134	Recovery	= 92.84%	100.32%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D.	N.D.
2)	HMX	0.00	0.00	0	0	N.D. d	N.D. d
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D. d	N.D. d
5)	RDX	0.00	0.00	0	0	N.D. d	N.D. d
6)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D. d	N.D. d
7)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D. d	N.D. d
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D. d	N.D. d
9)	Nitrobenzene	0.00	0.00	0	0	N.D. d	N.D. d
10)	Nitroglycerin	0.00	0.00	0	0	N.D. d	N.D. d
11)	Tetryl	0.00	0.00	0	0	N.D.	N.D.
12)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
13)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
14)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
16)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
17)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
18)	o-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
19)	p-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
20)	m-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
21)	PETN	0.00	0.00	0	0	N.D. d	N.D. d

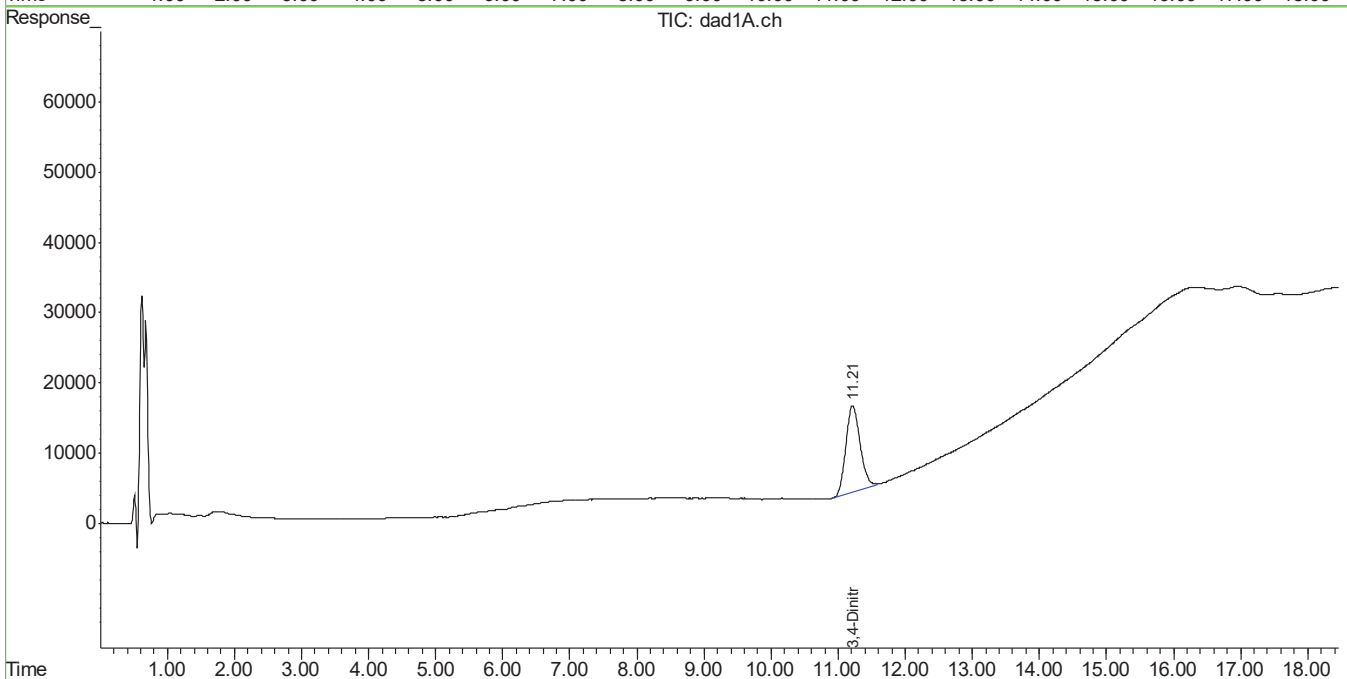
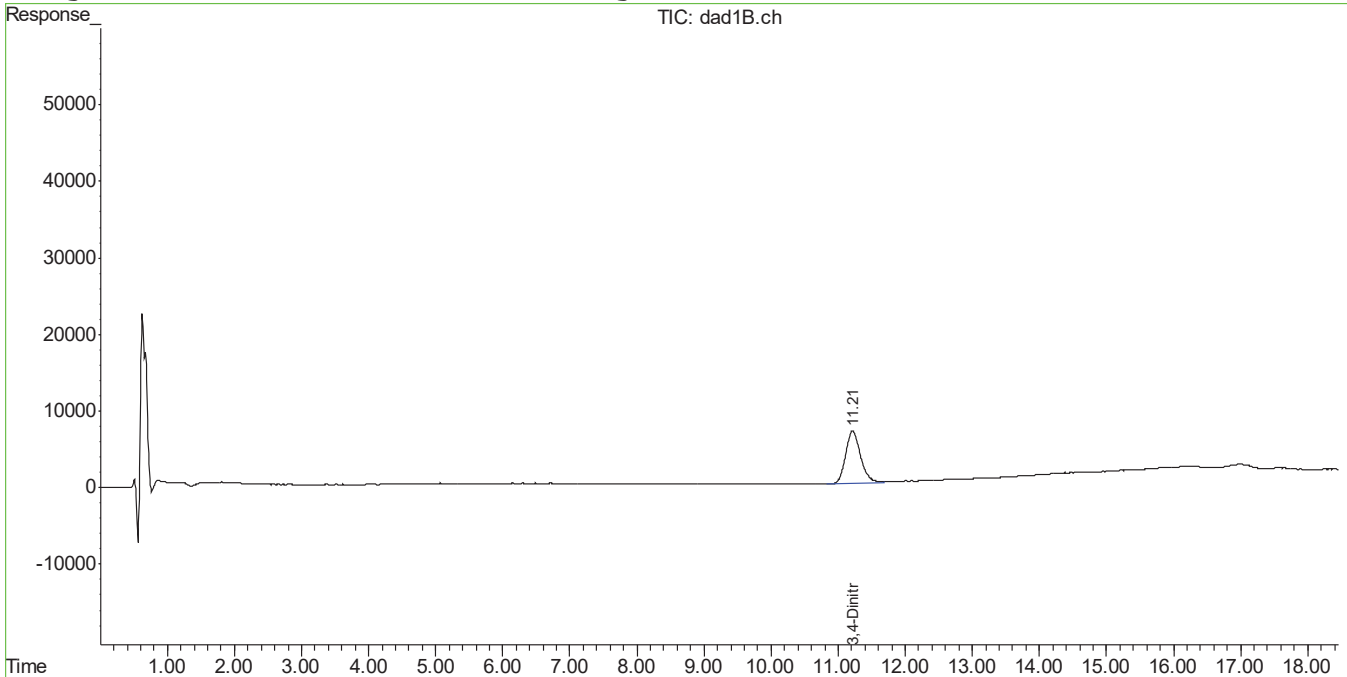
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050350.D 8330B_0224.M Wed Mar 16 09:20:10 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050350.D\dad1B.ch Vial: 57
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050350.D\dad1A.ch
 Acq On : 15-Mar-2016, 15:23:40 Operator: kismet1
 Sample : op59710-dup Inst : G1315B
 Misc : op59710,GBB1423,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 8:41 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.6.1
7

Manual Integration Approval Summary

Sample Number: OP59710-DUP Method: SW846 8330B
Lab FileID: BB050350.D Analyst approved: 03/16/16 09:50 Kismet Lugo
Injection Time: 03/15/16 15:23 Supervisor approved: 03/16/16 12:13 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
3,4-Dinitrotoluene	610-39-9	2	11.21	Poor instrument integration

7.6.1.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050351.D\dad1B.ch Vial: 58
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050351.D\dad1A.ch
 Acq On : 15-Mar-2016, 15:49:10 Operator: kismet1
 Sample : op59710-dup2 Inst : G1315B
 Misc : op59710,GBB1423,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 06:50:35 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.22	11.22	1059470	1826936	464.115	503.967m
	Spiked Amount	500.000	Range	69 - 134	Recovery	= 92.82%	100.79%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	0.00	0.00	0	0	N.D. d	N.D. d
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D. d	N.D. d
5)	RDX	0.00	0.00	0	0	N.D. d	N.D. d
6)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D. d	N.D. d
7)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D. d	N.D. d
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D. d	N.D. d
9)	Nitrobenzene	0.00	0.00	0	0	N.D. d	N.D. d
10)	Nitroglycerin	0.00	0.00	0	0	N.D. d	N.D. d
11)	Tetryl	0.00	0.00	0	0	N.D.	N.D.
12)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
13)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
14)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
16)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
17)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
18)	o-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
19)	p-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
20)	m-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
21)	PETN	0.00	0.00	0	0	N.D. d	N.D. d

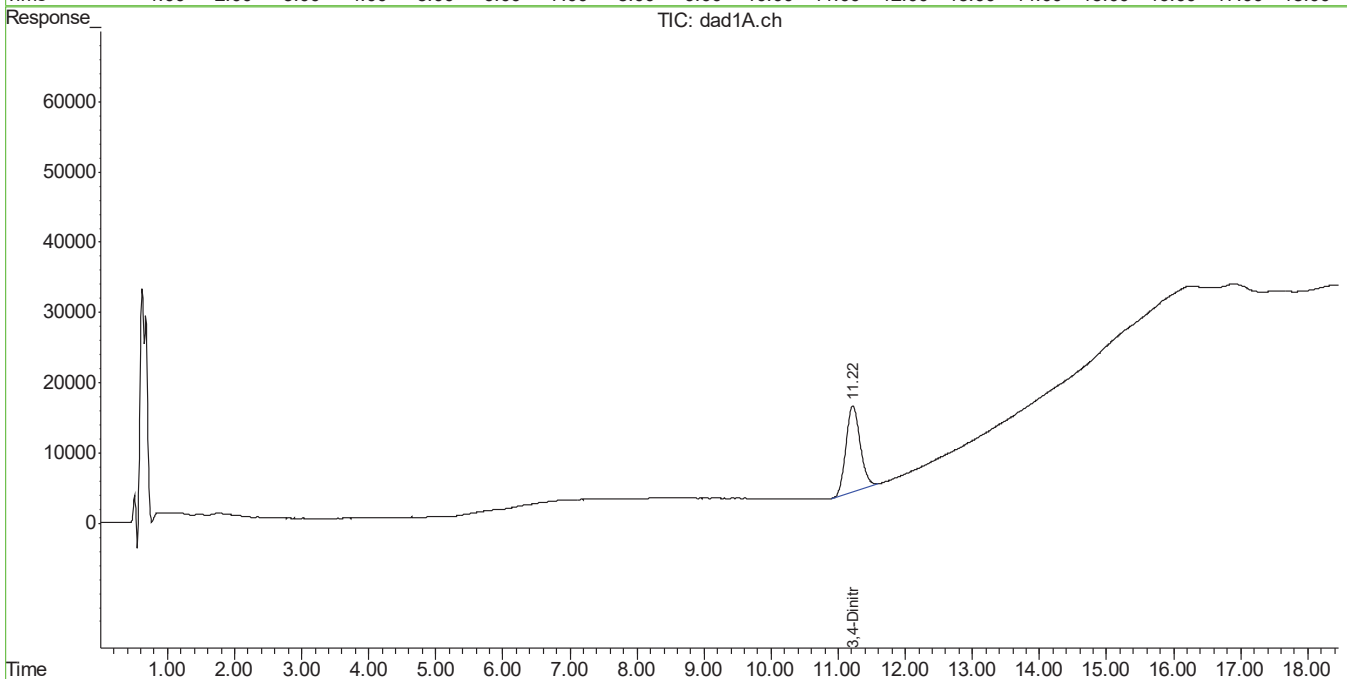
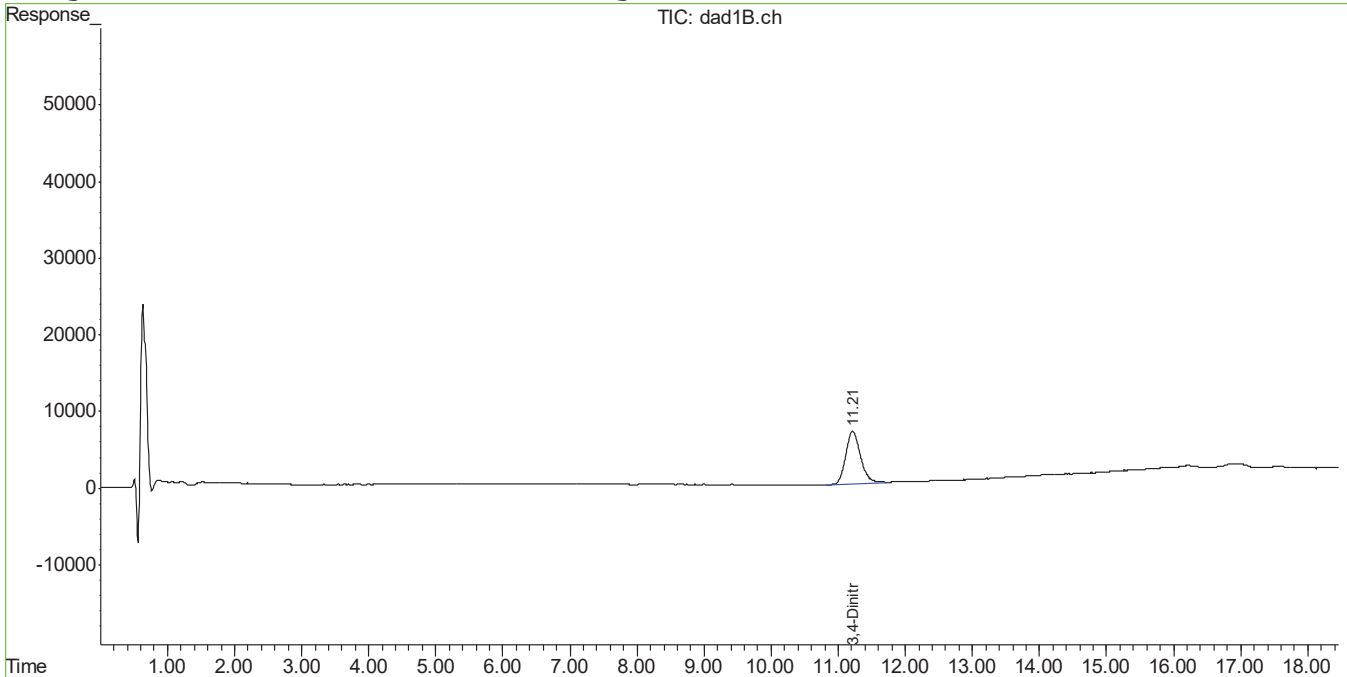
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050351.D 8330B_0224.M Wed Mar 16 09:20:11 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050351.D\dad1B.ch Vial: 58
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050351.D\dad1A.ch
 Acq On : 15-Mar-2016, 15:49:10 Operator: kismet1
 Sample : op59710-dup2 Inst : G1315B
 Misc : op59710,GBB1423,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 8:42 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



Manual Integration Approval Summary

Sample Number: OP59710-DUP2 Method: SW846 8330B
Lab FileID: BB050351.D Analyst approved: 03/16/16 09:50 Kismet Lugo
Injection Time: 03/15/16 15:49 Supervisor approved: 03/16/16 12:13 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
3,4-Dinitrotoluene	610-39-9	2	11.22	Poor instrument integration

7.6.2.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050425.D\dad1B.ch Vial: 36
 Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050425.D\dad1A.ch
 Acq On : 16-Mar-2016, 23:33:05 Operator: kismet1
 Sample : op59713-dup Inst : G1315B
 Misc : op59713,GBB1424,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 17 07:12:24 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Mar 17 07:11:30 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.14	11.13	1022765	1785157	448.035	492.789m
	Spiked Amount	500.000	Range	69 - 134	Recovery	=	89.61% 98.56%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D.	N.D.
2)	HMX	0.00	0.00	0	0	N.D.	N.D.
3)	DNX	0.00	0.00	0	0	N.D.	N.D.
4)	MNX	0.00	0.00	0	0	N.D.	N.D.
5)	RDX	0.00	0.00	0	0	N.D.	N.D.
6)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D.	N.D.
7)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D. d	N.D. d
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D.	N.D.
9)	Nitrobenzene	0.00	0.00	0	0	N.D.	N.D.
10)	Nitroglycerin	0.00	0.00	0	0	N.D.	N.D.
11)	Tetryl	0.00	0.00	0	0	N.D.	N.D.
12)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
13)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
14)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
16)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
17)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
18)	o-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
19)	p-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
20)	m-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
21)	PETN	0.00	0.00	0	0	N.D. d	N.D. d

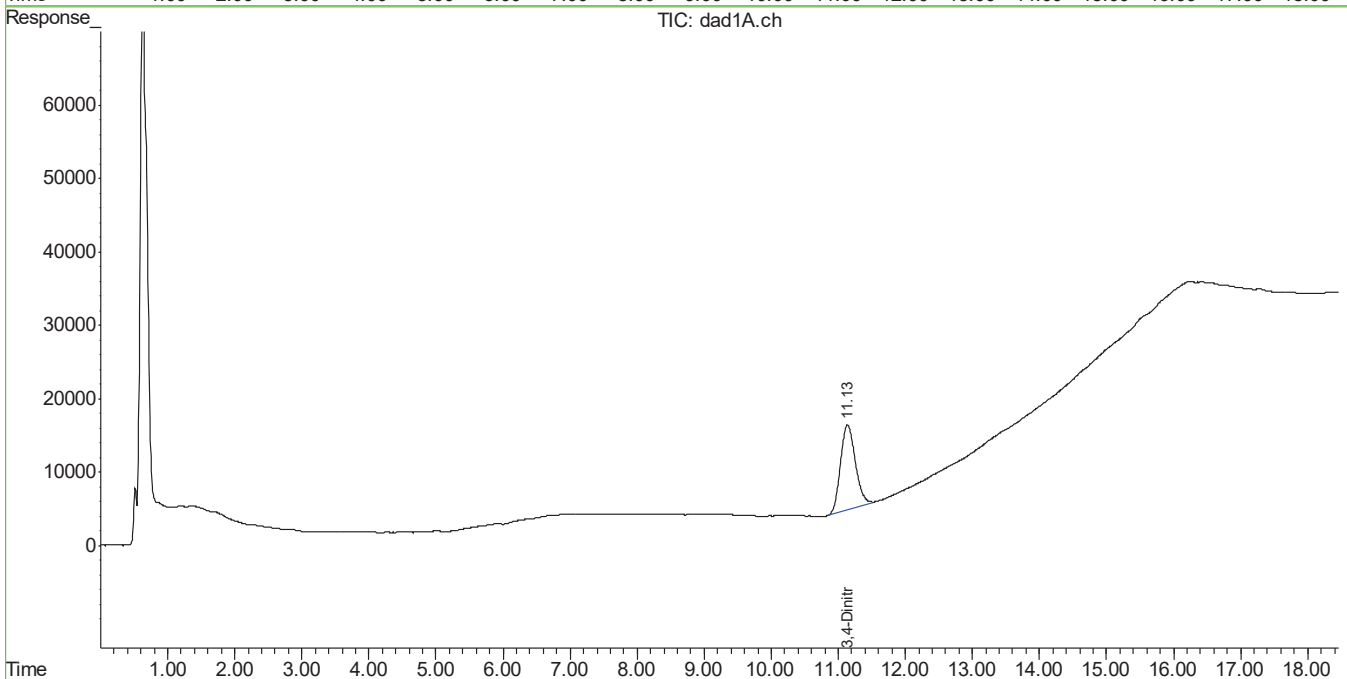
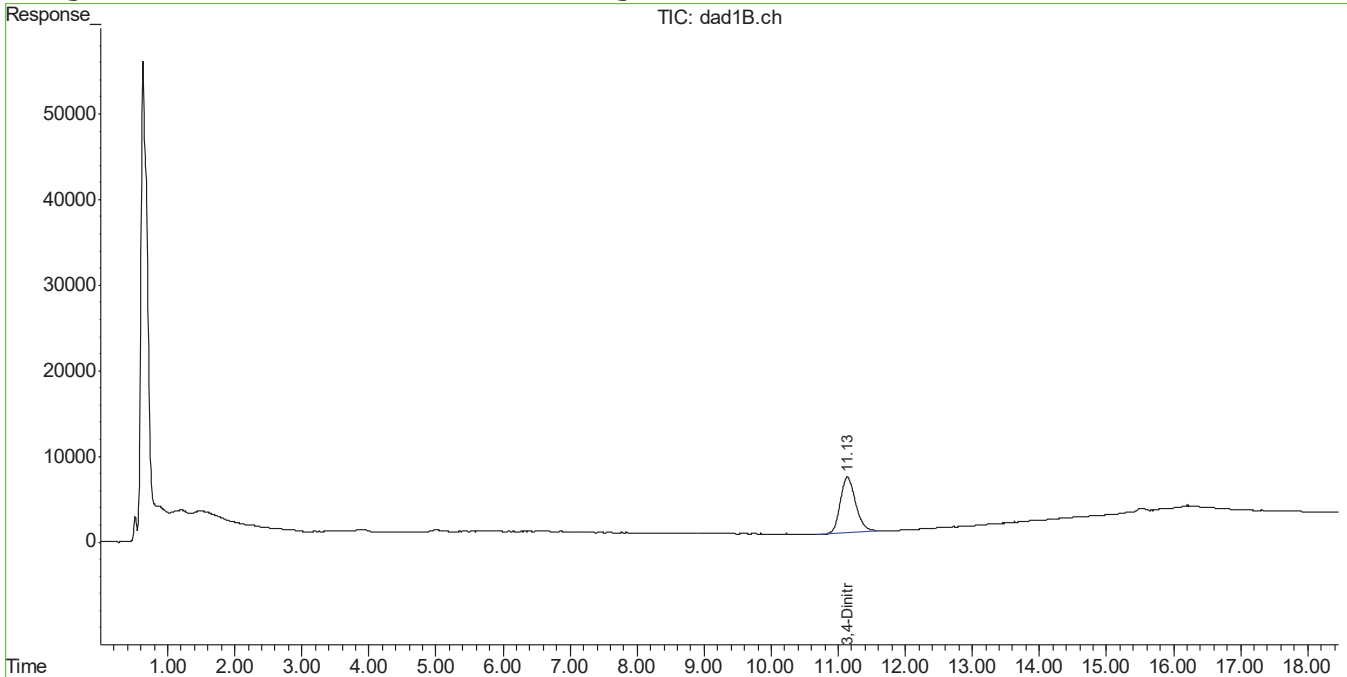
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050425.D 8330B_0224.M Thu Mar 17 08:55:34 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050425.D\dad1B.ch Vial: 36
 Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050425.D\dad1A.ch
 Acq On : 16-Mar-2016, 23:33:05 Operator: kismet1
 Sample : op59713-dup Inst : G1315B
 Misc : op59713,GBB1424,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 17 8:29 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Mar 17 07:11:30 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.6.3
7

Manual Integration Approval Summary

Sample Number: OP59713-DUP Method: SW846 8330B
Lab FileID: BB050425.D Analyst approved: 03/17/16 09:36 Kismet Lugo
Injection Time: 03/16/16 23:33 Supervisor approved: 03/17/16 10:42 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
3,4-Dinitrotoluene	610-39-9	2	11.13	Poor instrument integration

7.6.3.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050426.D\dad1B.ch Vial: 37
 Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050426.D\dad1A.ch
 Acq On : 16-Mar-2016, 23:58:36 Operator: kismet1
 Sample : op59713-dup2 Inst : G1315B
 Misc : op59713,GBB1424,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 17 07:12:25 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Mar 17 07:11:30 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.14	11.14	1050594	1771823	460.227	489.218
	Spiked Amount	500.000	Range	69 - 134	Recovery	= 92.05%	97.84%

Target Compounds

1)	TNX	0.00	0.00	0	0	N.D. d	N.D. d
2)	HMX	0.00	0.00	0	0	N.D. d	N.D. d
3)	DNX	0.00	0.00	0	0	N.D. d	N.D. d
4)	MNX	0.00	0.00	0	0	N.D. d	N.D. d
5)	RDX	0.00	0.00	0	0	N.D. d	N.D. d
6)	1,3,5-Trinitrobe	0.00	0.00	0	0	N.D. d	N.D. d
7)	1,3-Dinitrobenze	0.00	0.00	0	0	N.D. d	N.D. d
8)	3,5-Dinitroanili	0.00	0.00	0	0	N.D. d	N.D. d
9)	Nitrobenzene	0.00	0.00	0	0	N.D. d	N.D. d
10)	Nitroglycerin	0.00	0.00	0	0	N.D. d	N.D. d
11)	Tetryl	0.00	0.00	0	0	N.D.	N.D.
12)	2,4,6-Trinitroto	0.00	0.00	0	0	N.D.	N.D.
13)	2-Amino-4,6-Dini	0.00	0.00	0	0	N.D.	N.D.
14)	4-Amino-2,6-Dini	0.00	0.00	0	0	N.D.	N.D.
16)	2,4-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
17)	2,6-Dinitrotolue	0.00	0.00	0	0	N.D. d	N.D. d
18)	o-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
19)	p-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
20)	m-Nitrotoluene	0.00	0.00	0	0	N.D. d	N.D. d
21)	PETN	0.00	0.00	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050426.D 8330B_0224.M Thu Mar 17 08:55:35 2016

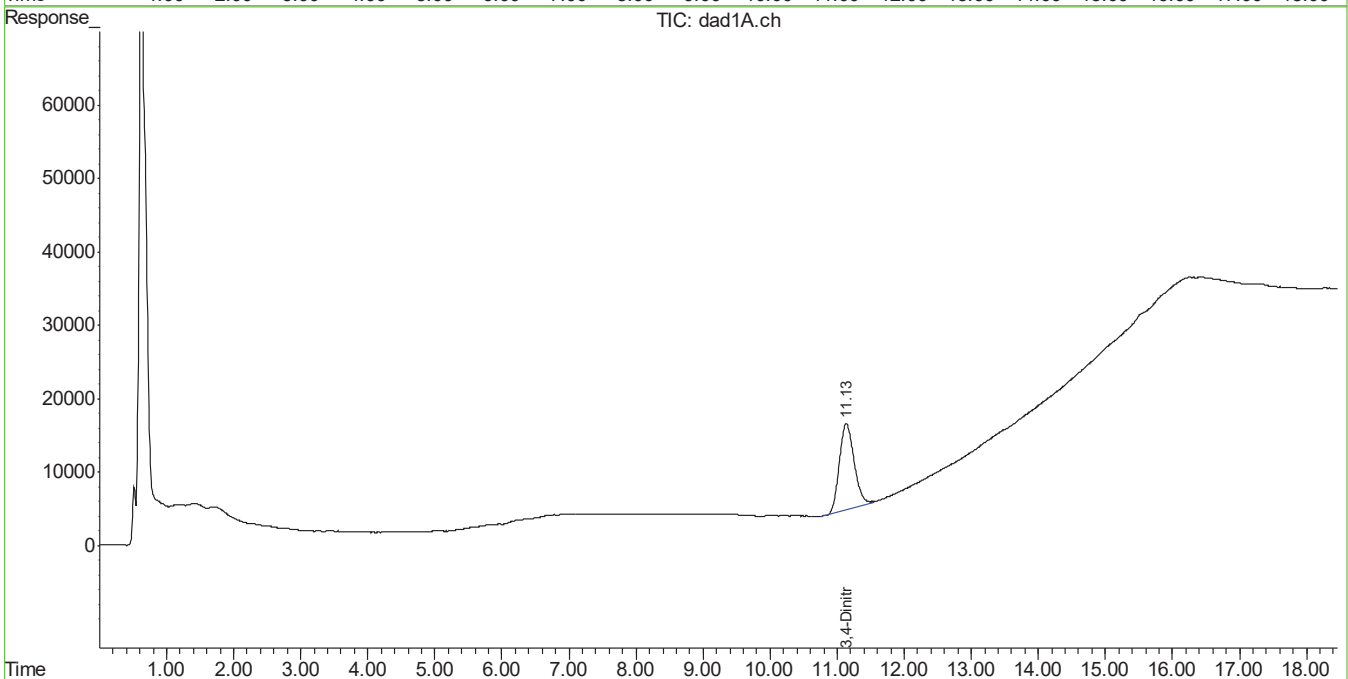
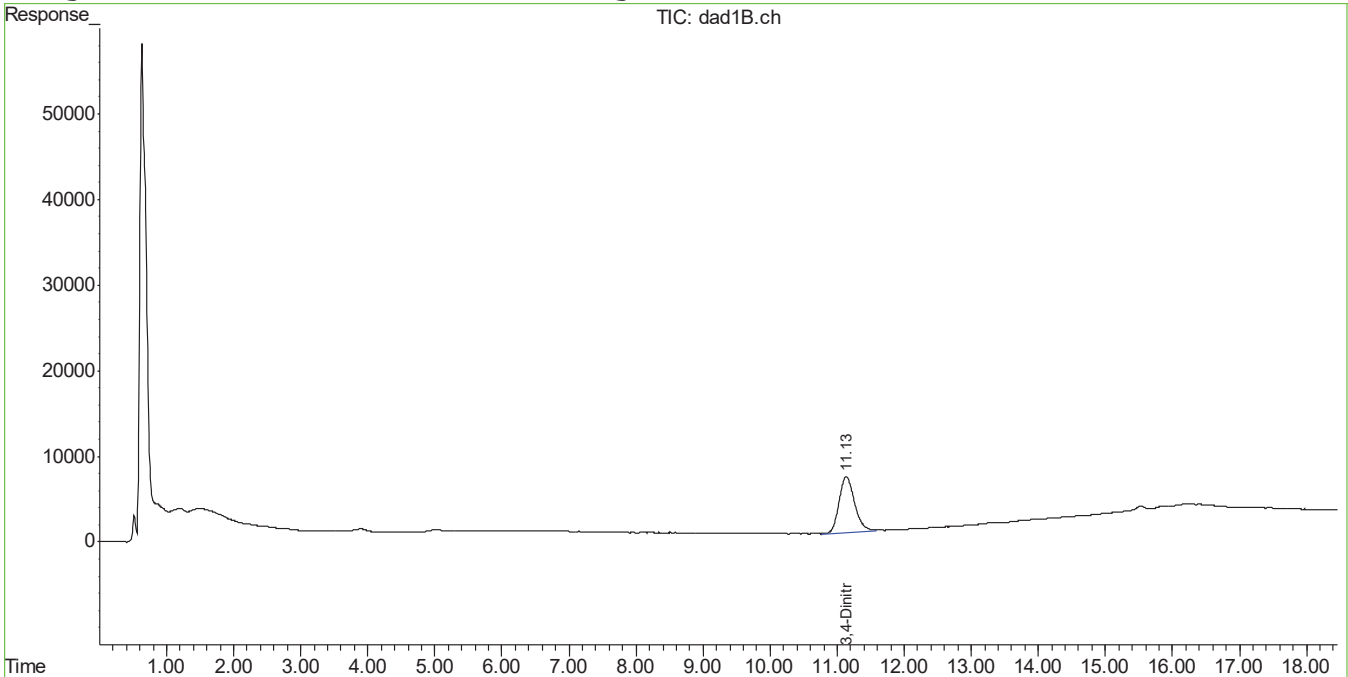
7.6.4
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050426.D\dad1B.ch Vial: 37
 Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050426.D\dad1A.ch
 Acq On : 16-Mar-2016, 23:58:36 Operator: kismet1
 Sample : op59713-dup2 Inst : G1315B
 Misc : op59713,GBB1424,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 17 8:29 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Mar 17 07:11:30 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.6.4
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0224BPL\BB049966.D\dad1B.ch Vial: 11
 Signal #2 : C:\HPCHEM\1\DATA\0224BPL\BB049966.D\dad1A.ch
 Acq On : 24-Feb-2016, 11:53:24 Operator: kismet1
 Sample : ic1412-20 Inst : G1315B
 Misc : op59454,GBB1412,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Feb 25 07:10:49 2016 Quant Results File: 8330B_0208.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0208.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Feb 25 07:10:36 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.60	11.68	58156	38346	27.590m	10.848m#
	Spiked Amount	500.000	Range 70 - 136	Recovery	=	5.52%#	2.17%#

Target Compounds

1)	TNX	1.37	1.38	59578	81603	19.532m	17.909m
2)	HMX	1.43	1.45	33173	87948	19.345m	17.886m
3)	DNX	1.77	1.77	67325	180289	23.007m	41.565m#
4)	MNX	2.36	2.36	43971	72392	18.725m	19.915m
5)	RDX	2.98	2.98	42708	59876	23.177m	20.172m
6)	1,3,5-Trinitrobe	4.74	4.74	78814	153368	19.837	19.604
7)	1,3-Dinitrobenze	6.03	6.05	96861	67435	18.689m	18.997m
8)	3,5-Dinitroanili	6.49	6.48	92096	145301	19.621	18.438m
9)	Nitrobenzene	7.71	7.71	60898	63693	19.391	21.695m
10)	Nitroglycerin	0.00	9.54	0	116423	N.D.	93.768 #
11)	Tetryl	9.86	9.85	49308	89668	16.937	18.412
12)	2,4,6-Trinitroto	10.25	10.28	62052	68597	17.537	16.370
13)	2-Amino-4,6-Dini	10.74	10.76	49201	70095	16.176	15.676
14)	4-Amino-2,6-Dini	11.33	11.34	48810	42121	21.996m	10.920m#
16)	2,4-Dinitrotolue	12.21	12.21	91395	51880	19.158m	18.090m
17)	2,6-Dinitrotolue	12.62	12.70	53921	54911	20.108m	17.141m
18)	o-Nitrotoluene	14.78	14.82	41528	51852	18.897m	17.562m
19)	p-Nitrotoluene	15.15	15.14	66143	47598	18.637m	16.954m
20)	m-Nitrotoluene	15.67	15.70	62873	65528	19.211m	17.982m
21)	PETN	0.00	17.29	0	121751	N.D. d	89.436m

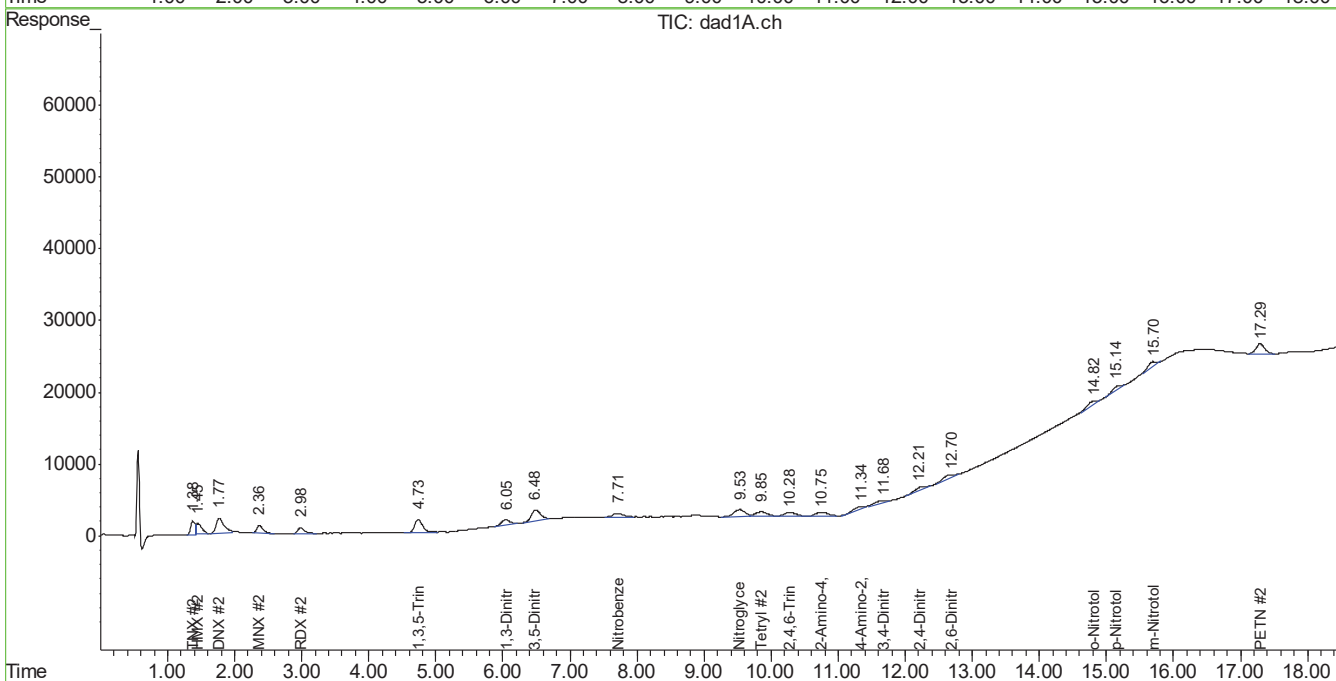
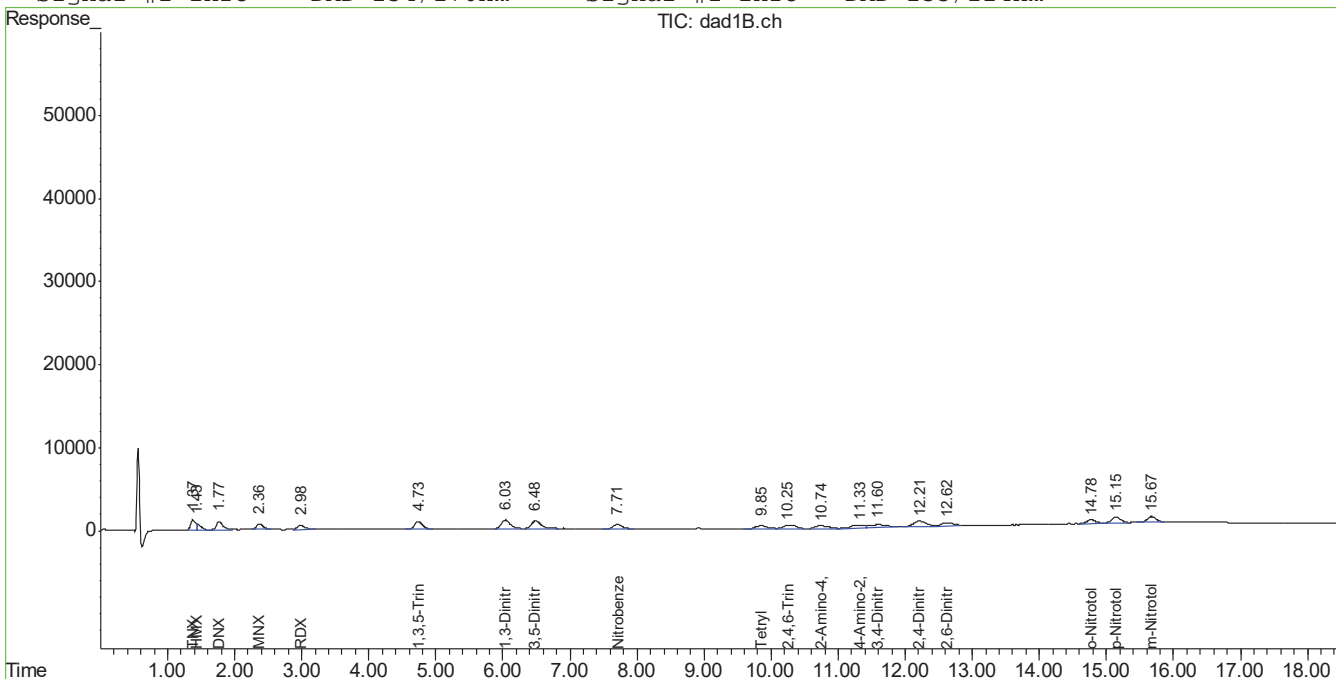
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB049966.D 8330B_0224.M Thu Feb 25 09:28:06 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0224BPL\BB049966.D\dad1B.ch Vial: 11
 Signal #2 : C:\HPCHEM\1\DATA\0224BPL\BB049966.D\dad1A.ch
 Acq On : 24-Feb-2016, 11:53:24 Operator: kismet1
 Sample : ic1412-20 Inst : G1315B
 Misc : op59454,GBB1412,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Feb 25 9:27 2016 Quant Results File: 8330B_0208.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0208.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Feb 25 07:10:36 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



Manual Integration Approval Summary

Sample Number: GBB1412-IC1412 **Method:** SW846 8330A
Lab FileID: BB049966.D **Analyst approved:** 02/25/16 13:49 Kismet Lugo
Injection Time: 02/24/16 11:53 **Supervisor approved:** 02/26/16 12:48 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
TNX		1	1.37	Poor instrument integration
TNX		2	1.38	Poor instrument integration
HMX	2691-41-0	1	1.43	Overlapping peak
HMX	2691-41-0	2	1.45	Overlapping peak
DNX		1	1.77	Overlapping peak
DNX		2	1.77	Overlapping peak
MNX		1	2.36	Poor instrument integration
MNX		2	2.36	Poor instrument integration
RDX	121-82-4	1	2.98	Poor instrument integration
RDX	121-82-4	2	2.98	Poor instrument integration
1,3-Dinitrobenzene	99-65-0	1	6.03	Poor instrument integration
1,3-Dinitrobenzene	99-65-0	2	6.05	Poor instrument integration
3,5-Dinitroaniline	618-87-1	2	6.48	Poor instrument integration
Nitrobenzene	98-95-3	2	7.71	Poor instrument integration
4-amino-2,6-Dinitrotoluene	19406-51-0	1	11.33	Poor instrument integration
4-amino-2,6-Dinitrotoluene	19406-51-0	2	11.34	Poor instrument integration
3,4-Dinitrotoluene	610-39-9	1	11.60	Poor instrument integration
3,4-Dinitrotoluene	610-39-9	2	11.68	Poor instrument integration
2,4-Dinitrotoluene	121-14-2	1	12.21	Poor instrument integration
2,4-Dinitrotoluene	121-14-2	2	12.21	Poor instrument integration
2,6-Dinitrotoluene	606-20-2	1	12.62	Poor instrument integration
2,6-Dinitrotoluene	606-20-2	2	12.70	Poor instrument integration
o-Nitrotoluene	88-72-2	1	14.78	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.82	Poor instrument integration
p-Nitrotoluene	99-99-0	2	15.14	Poor instrument integration
p-Nitrotoluene	99-99-0	1	15.15	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.67	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.70	Poor instrument integration
PETN	78-11-5	2	17.29	Poor instrument integration

7.7.1.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0224BPL\BB049967.D\dad1B.ch Vial: 12
 Signal #2 : C:\HPCHEM\1\DATA\0224BPL\BB049967.D\dad1A.ch
 Acq On : 24-Feb-2016, 12:18:51 Operator: kismet1
 Sample : ic1412-50 Inst : G1315B
 Misc : op59454,GBB1412,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Feb 25 07:10:50 2016 Quant Results File: 8330B_0208.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0208.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Feb 25 07:10:36 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
15) S 3,4-Dinitrotolue	11.59	11.59	112699	163024	53.418m	46.016m
Spiked Amount	500.000	Range 70 - 136	Recovery =		10.68%#	9.20%#
Target Compounds						
1) TNX	1.38	1.38	149069	236442	48.869m	51.890
2) HMX	1.43	1.46	96301	272017	56.159m	55.321
3) DNX	1.77	1.77	155072	287117	52.993	66.164m
4) MNX	2.37	2.37	129600	202241	55.188m	55.636m
5) RDX	2.98	2.98	95823	150449	52.001m	50.685
6) 1,3,5-Trinitrobo	4.73	4.73	206198	399439	51.898m	51.059m
7) 1,3-Dinitrobenze	6.04	6.04	270483	185925	52.188	52.377m
8) 3,5-Dinitroanili	6.49	6.49	240459	401865	51.230	50.995m
9) Nitrobenzene	7.71	7.71	155606	144368	49.548	49.175m
10) Nitroglycerin	0.00	9.53	0	331074	N.D.	266.651 #
11) Tetryl	9.85	9.85	136741	244485	46.970	50.200
12) 2,4,6-Trinitroto	10.28	10.29	171203	201354	48.386	48.052
13) 2-Amino-4,6-Dini	10.76	10.75	141257	204481	46.441	45.732
14) 4-Amino-2,6-Dini	11.30	11.31	118543	195290	53.421	50.425m
16) 2,4-Dinitrotolue	12.22	12.24	251889	135345	52.799	47.192m
17) 2,6-Dinitrotolue	12.63	12.64	140797	168376	52.506m	52.560m
18) o-Nitrotoluene	14.78	14.79	112913	143199	51.380m	48.501m
19) p-Nitrotoluene	15.14	15.16	185558	133934	52.285m	47.706m
20) m-Nitrotoluene	15.67	15.68	170819	190727	52.193m	52.337m
21) PETN	0.00	17.30	0	362438	N.D.	266.241m#

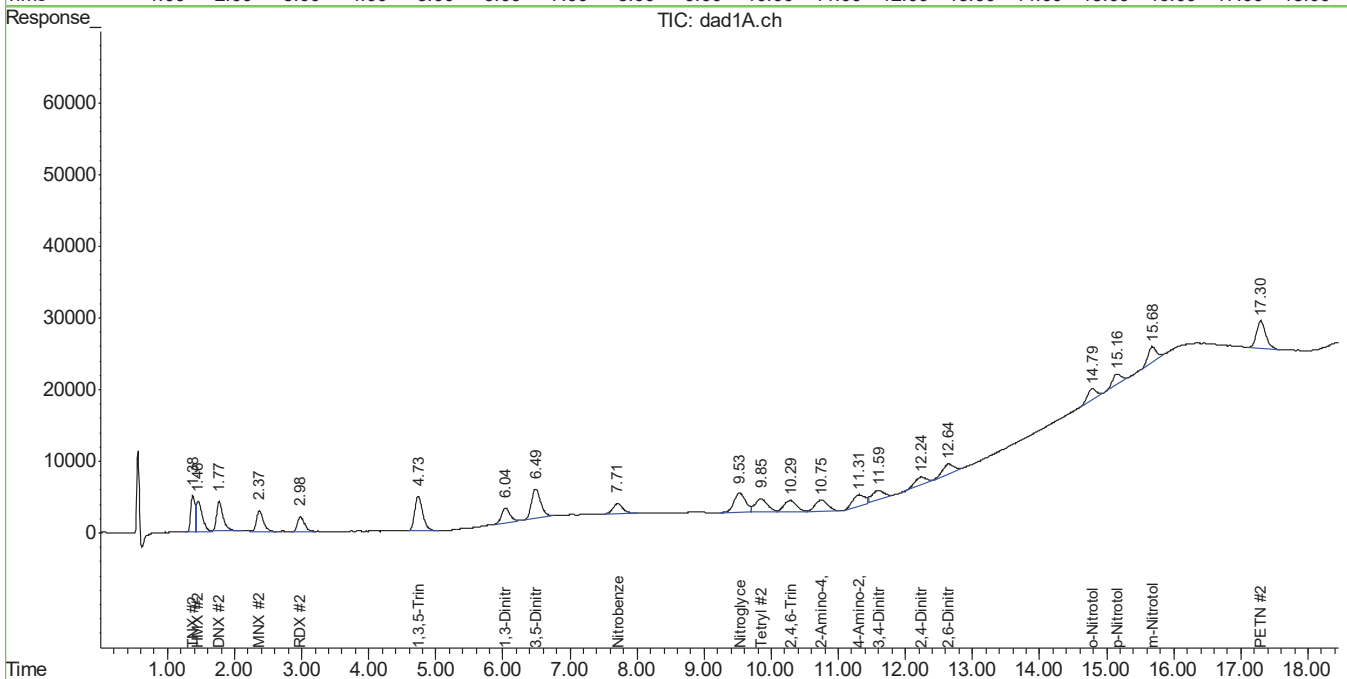
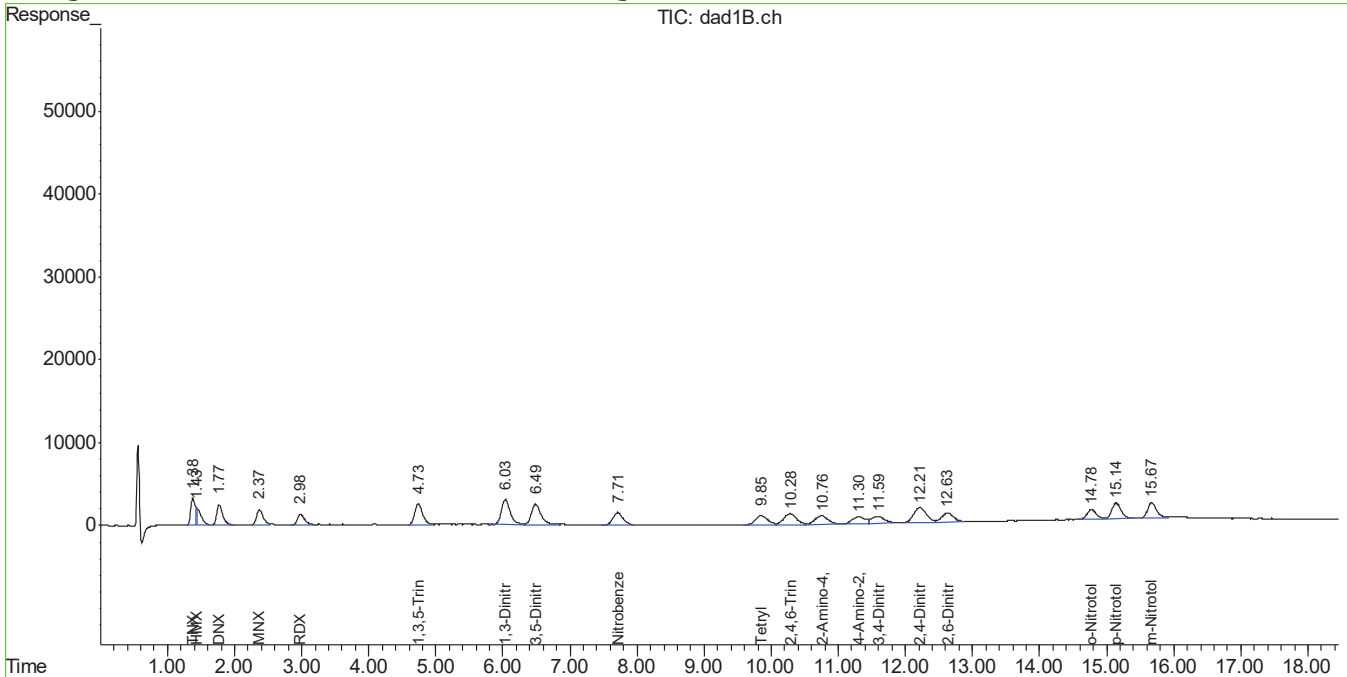
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB049967.D 8330B_0224.M Thu Feb 25 09:07:22 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0224BPL\BB049967.D\dad1B.ch Vial: 12
 Signal #2 : C:\HPCHEM\1\DATA\0224BPL\BB049967.D\dad1A.ch
 Acq On : 24-Feb-2016, 12:18:51 Operator: kismet1
 Sample : ic1412-50 Inst : G1315B
 Misc : op59454,GBB1412,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Feb 25 7:27 2016 Quant Results File: 8330B_0208.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0208.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Feb 25 07:10:36 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



Manual Integration Approval Summary

Sample Number: GBB1412-IC1412 **Method:** SW846 8330A
Lab FileID: BB049967.D **Analyst approved:** 02/25/16 13:49 Kismet Lugo
Injection Time: 02/24/16 12:18 **Supervisor approved:** 02/26/16 12:48 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
TNX		1	1.38	Poor instrument integration
HMX	2691-41-0	1	1.43	Overlapping peak
DNX		2	1.77	Overlapping peak
MNX		1	2.37	Poor instrument integration
MNX		2	2.37	Poor instrument integration
RDX	121-82-4	1	2.98	Poor instrument integration
1,3,5-Trinitrobenzene	99-35-4	1	4.73	Poor instrument integration
1,3,5-Trinitrobenzene	99-35-4	2	4.73	Poor instrument integration
1,3-Dinitrobenzene	99-65-0	2	6.04	Poor instrument integration
3,5-Dinitroaniline	618-87-1	2	6.49	Poor instrument integration
Nitrobenzene	98-95-3	2	7.71	Poor instrument integration
4-amino-2,6-Dinitrotoluene	19406-51-0	2	11.31	Poor instrument integration
3,4-Dinitrotoluene	610-39-9	1	11.59	Poor instrument integration
3,4-Dinitrotoluene	610-39-9	2	11.59	Poor instrument integration
2,4-Dinitrotoluene	121-14-2	2	12.24	Poor instrument integration
2,6-Dinitrotoluene	606-20-2	1	12.63	Poor instrument integration
2,6-Dinitrotoluene	606-20-2	2	12.64	Poor instrument integration
o-Nitrotoluene	88-72-2	1	14.78	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.79	Poor instrument integration
p-Nitrotoluene	99-99-0	1	15.14	Poor instrument integration
p-Nitrotoluene	99-99-0	2	15.16	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.67	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.68	Poor instrument integration
PETN	78-11-5	2	17.30	Poor instrument integration

7.7.2.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0224BPL\BB049968.D\dad1B.ch Vial: 13
 Signal #2 : C:\HPCHEM\1\DATA\0224BPL\BB049968.D\dad1A.ch
 Acq On : 24-Feb-2016, 12:44:20 Operator: kismet1
 Sample : ic1412-100 Inst : G1315B
 Misc : op59454,GBB1412,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Feb 25 07:10:51 2016 Quant Results File: 8330B_0208.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0208.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Feb 25 07:10:36 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
15) S 3,4-Dinitrotolue	11.59	11.60	213449	334595	101.011	94.151
Spiked Amount	500.000	Range 70 - 136	Recovery =		20.20%#	18.83%#
Target Compounds						
1) TNX	1.38	1.38	305306	442969	100.088m	97.215
2) HMX	1.43	1.46	180690	506410	105.371m	102.991
3) DNX	1.77	1.77	303158	578736	103.599	133.205m
4) MNX	2.37	2.37	244912	369907	104.292	101.760m
5) RDX	2.98	2.98	175360	279607	95.164	94.198m
6) 1,3,5-Trinitrobo	4.74	4.74	374990	735249	94.381	93.984
7) 1,3-Dinitrobenze	6.04	6.03	509513	333620	98.308	93.985m
8) 3,5-Dinitroanili	6.49	6.49	448275	730023	95.504	92.637m
9) Nitrobenzene	7.71	7.71	291459	289428	92.806	98.587m
10) Nitroglycerin	0.00	9.53	0	603053	N.D.	485.706 #
11) Tetryl	9.86	9.86	265018	456724	91.032	93.779
12) 2,4,6-Trinitroto	10.28	10.28	323094	382788	91.314	91.350
13) 2-Amino-4,6-Dini	10.75	10.75	267203	404794	87.848	90.531
14) 4-Amino-2,6-Dini	11.31	11.31	207103	375346	93.329	96.459
16) 2,4-Dinitrotolue	12.22	12.23	451056	274446	94.547	95.694m
17) 2,6-Dinitrotolue	12.64	12.64	264976	310145	98.815	96.813m
18) o-Nitrotoluene	14.78	14.79	221559	280069	100.818	94.858m
19) p-Nitrotoluene	15.15	15.15	347785	260158	97.996	92.666m
20) m-Nitrotoluene	15.68	15.68	317120	345930	96.895m	94.926m
21) PETN	0.00	17.30	0	665824	N.D.	489.104m#

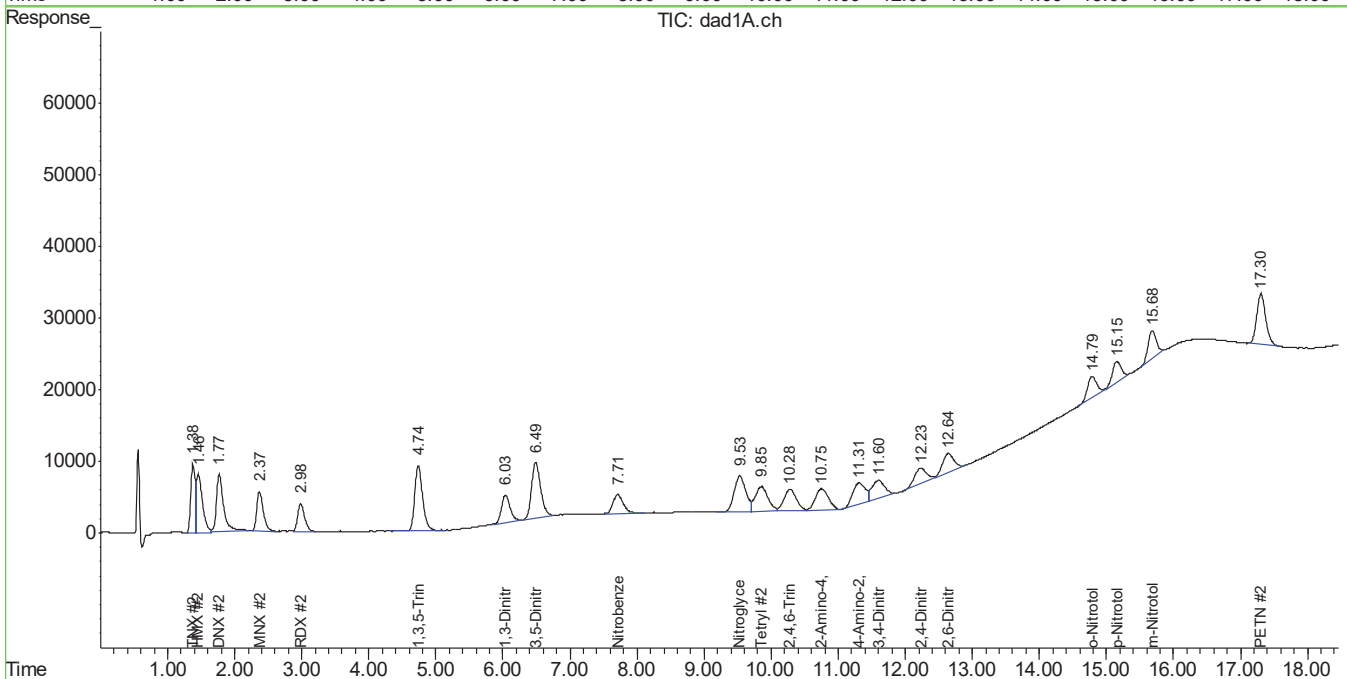
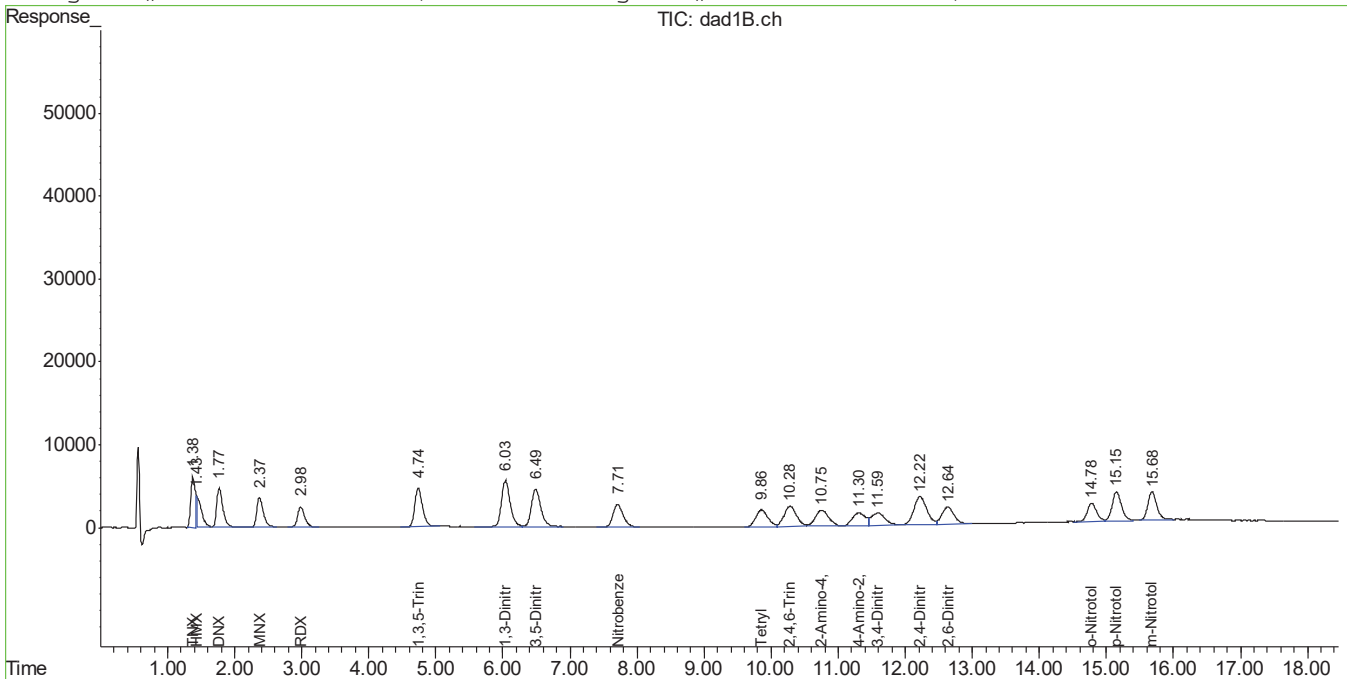
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB049968.D 8330B_0224.M Thu Feb 25 09:07:23 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0224BPL\BB049968.D\dad1B.ch Vial: 13
 Signal #2 : C:\HPCHEM\1\DATA\0224BPL\BB049968.D\dad1A.ch
 Acq On : 24-Feb-2016, 12:44:20 Operator: kismet1
 Sample : ic1412-100 Inst : G1315B
 Misc : op59454,GBB1412,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Feb 25 7:34 2016 Quant Results File: 8330B_0208.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0208.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Feb 25 07:10:36 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



Manual Integration Approval Summary

Sample Number: GBB1412-IC1412 **Method:** SW846 8330A
Lab FileID: BB049968.D **Analyst approved:** 02/25/16 13:49 Kismet Lugo
Injection Time: 02/24/16 12:44 **Supervisor approved:** 02/26/16 12:48 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
TNX		1	1.38	Poor instrument integration
HMX	2691-41-0	1	1.43	Overlapping peak
DNX		2	1.77	Overlapping peak
MNX		2	2.37	Poor instrument integration
RDX	121-82-4	2	2.98	Poor instrument integration
1,3-Dinitrobenzene	99-65-0	2	6.03	Poor instrument integration
3,5-Dinitroaniline	618-87-1	2	6.49	Poor instrument integration
Nitrobenzene	98-95-3	2	7.71	Poor instrument integration
2,4-Dinitrotoluene	121-14-2	2	12.23	Poor instrument integration
2,6-Dinitrotoluene	606-20-2	2	12.64	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.79	Poor instrument integration
p-Nitrotoluene	99-99-0	2	15.15	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.68	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.68	Poor instrument integration
PETN	78-11-5	2	17.30	Poor instrument integration

7.7.3.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0224BPL\BB049970.D\dad1B.ch Vial: 15
 Signal #2 : C:\HPCHEM\1\DATA\0224BPL\BB049970.D\dad1A.ch
 Acq On : 24-Feb-2016, 13:45:02 Operator: kismet1
 Sample : icc1412-500 Inst : G1315B
 Misc : op59454,GBB1412,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Feb 25 07:10:53 2016 Quant Results File: 8330B_0208.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0208.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Feb 25 07:10:36 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
15) S 3,4-Dinitrotolue	11.58	11.58	1068956	1841102	499.192	504.677
Spiked Amount	500.000	Range	70 - 136	Recovery	=	99.84% 100.94%
Target Compounds						
1) TNX	1.38	1.38	1555211	2244850	509.843m	492.661
2) HMX	1.46	1.47	863161	2411521	503.360m	490.444
3) DNX	1.77	1.77	1413215	2299519	482.941	525.566m
4) MNX	2.37	2.37	1149653	1825766	489.561	502.260m
5) RDX	2.99	2.99	859187	1392462	466.263	469.112
6) 1,3,5-Trinitrobo	4.74	4.74	1850458	3660774	465.740	467.942
7) 1,3-Dinitrobenze	6.03	6.03	2483369	1715087	479.152	483.161
8) 3,5-Dinitroanili	6.48	6.48	2159299	3723310	460.036	472.474
9) Nitrobenzene	7.71	7.71	1474811	1431533	469.606	487.618
10) Nitroglycerin	0.00	9.53	0	3001704	N.D. d	2417.610
11) Tetryl	9.85	9.85	1340900	2249497	460.589	461.889
12) 2,4,6-Trinitroto	10.27	10.27	1699130	1958765	480.215	467.446
13) 2-Amino-4,6-Dini	10.74	10.74	1497185	2101590	492.231	470.015
14) 4-Amino-2,6-Dini	11.30	11.30	1061889	2045437	478.533	504.520
16) 2,4-Dinitrotolue	12.21	12.21	2226154	1436530	466.630	500.889
17) 2,6-Dinitrotolue	12.63	12.63	1304844	1723169	486.601	537.896
18) o-Nitrotoluene	14.78	14.78	1061303	1415428	482.935	479.400m
19) p-Nitrotoluene	15.15	15.14	1714689	1390573	483.151	495.307m
20) m-Nitrotoluene	15.68	15.67	1597850	1799928	488.220	493.915m
21) PETN	0.00	17.30	0	3309309	N.D. d	2430.969m

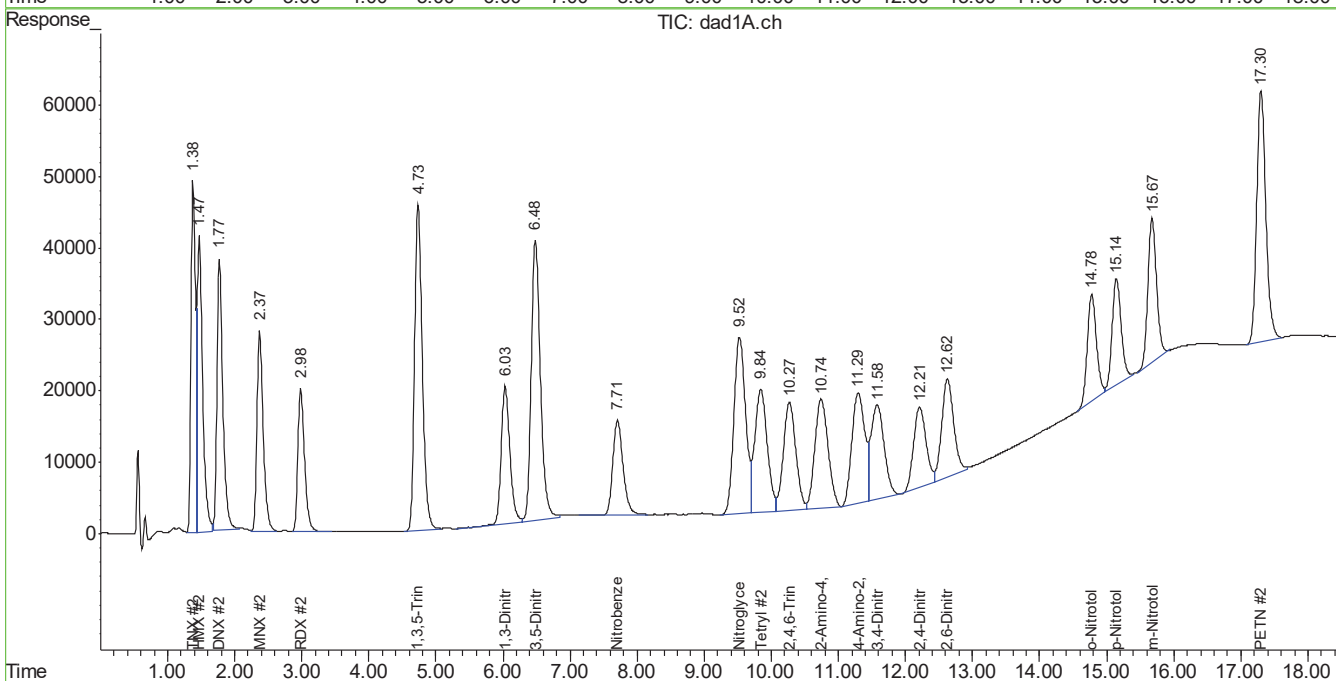
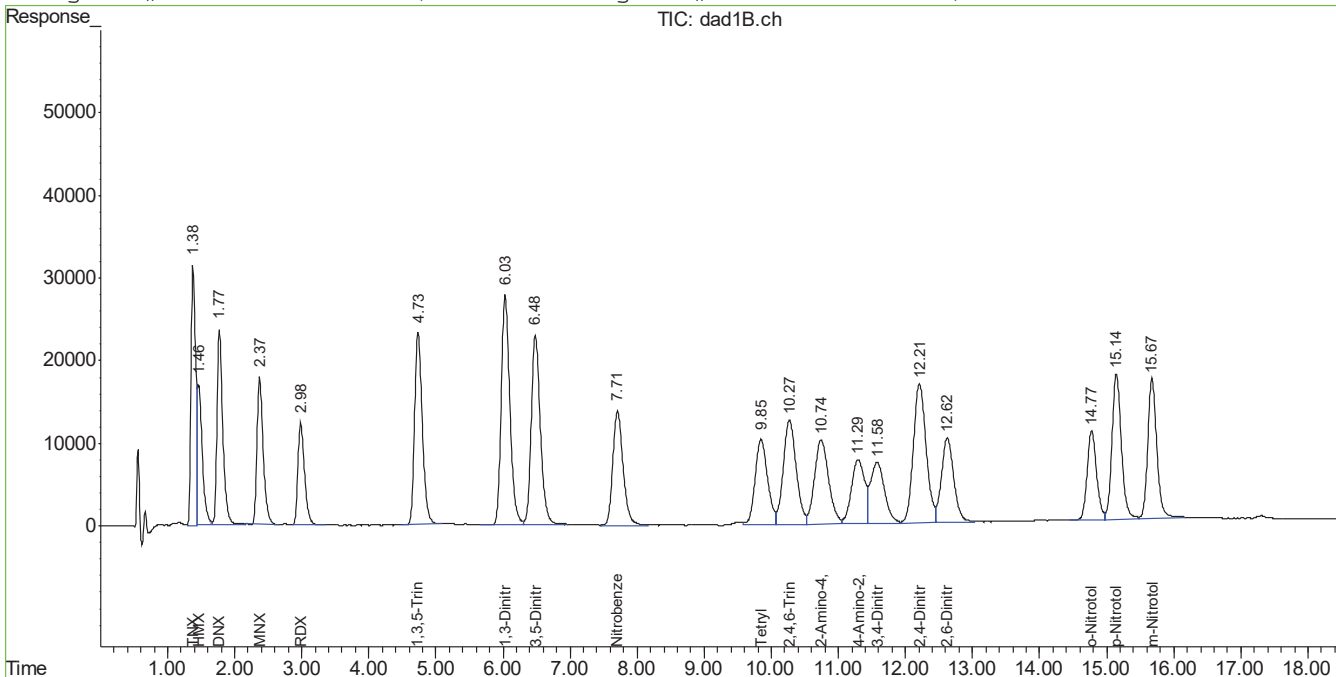
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB049970.D 8330B_0224.M Thu Feb 25 09:07:37 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0224BPL\BB049970.D\dad1B.ch Vial: 15
 Signal #2 : C:\HPCHEM\1\DATA\0224BPL\BB049970.D\dad1A.ch
 Acq On : 24-Feb-2016, 13:45:02 Operator: kismet1
 Sample : icc1412-500 Inst : G1315B
 Misc : op59454,GBB1412,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Feb 25 7:42 2016 Quant Results File: 8330B_0208.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0208.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Feb 25 07:10:36 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.7.4
7

Manual Integration Approval Summary

Sample Number: GBB1412-ICC1412 Method: SW846 8330A
Lab FileID: BB049970.D Analyst approved: 02/25/16 13:49 Kismet Lugo
Injection Time: 02/24/16 13:45 Supervisor approved: 02/26/16 12:48 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
TNX		1	1.38	Poor instrument integration
HMX	2691-41-0	1	1.46	Poor instrument integration
DNX		2	1.77	Poor instrument integration
MNX		2	2.37	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.78	Poor instrument integration
p-Nitrotoluene	99-99-0	2	15.14	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.67	Poor instrument integration
PETN	78-11-5	2	17.30	Poor instrument integration

7.7.4.1

7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0224BPL\BB049971.D\dad1B.ch Vial: 16
 Signal #2 : C:\HPCHEM\1\DATA\0224BPL\BB049971.D\dad1A.ch
 Acq On : 24-Feb-2016, 14:10:32 Operator: kismet1
 Sample : ic1412-1000 Inst : G1315B
 Misc : op59454,GBB1412,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Feb 25 07:10:54 2016 Quant Results File: 8330B_0208.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0208.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Feb 25 07:10:36 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb

System Monitoring Compounds						
15) S 3,4-Dinitrotolue	11.58	11.58	2168836	3717847	996.408	988.980
Spiked Amount	500.000	Range 70 - 136	Recovery =	199.28%#	197.80%#	
Target Compounds						
1) TNX	1.38	1.39	3199075	4623839	1048.750m	1014.760
2) HMX	1.48	1.48	1677400	4741591	978.192m	964.323
3) DNX	1.78	1.78	2844728	4582986	972.136	1037.974
4) MNX	2.38	2.38	2335406	3672725	994.495	1010.351
5) RDX	2.99	2.99	1721897	2812209	934.439	947.415
6) 1,3,5-Trinitrobe	4.73	4.73	3726712	7349020	937.972	939.395
7) 1,3-Dinitrobenze	6.03	6.03	4948753	3412174	954.834	961.251m
8) 3,5-Dinitroanili	6.48	6.48	4359843	7336075	928.860	930.919m
9) Nitrobenzene	7.71	7.70	2948430	2806191	938.833	955.864m
10) Nitroglycerin	0.00	9.53	0	6010912	N.D. d	4841.262
11) Tetryl	9.85	9.85	2714238	4541306	932.321	932.466
12) 2,4,6-Trinitroto	10.27	10.27	3470738	4001469	980.914	954.923
13) 2-Amino-4,6-Dini	10.74	10.74	3097809	4306495	1018.469	963.136
14) 4-Amino-2,6-Dini	11.30	11.30	2180691	4213849	982.713	991.767
16) 2,4-Dinitrotolue	12.21	12.21	4473536	2922224	937.709	1018.921
17) 2,6-Dinitrotolue	12.63	12.63	2625048	3436072	978.931	1072.587
18) o-Nitrotoluene	14.77	14.77	2079831	2877574	946.406m	974.624m
19) p-Nitrotoluene	15.14	15.14	3358618	2835435	946.365m	1009.951m
20) m-Nitrotoluene	15.67	15.67	3132648	3600789	957.174m	988.086m
21) PETN	0.00	17.30	0	6828767	N.D. d	5016.311m

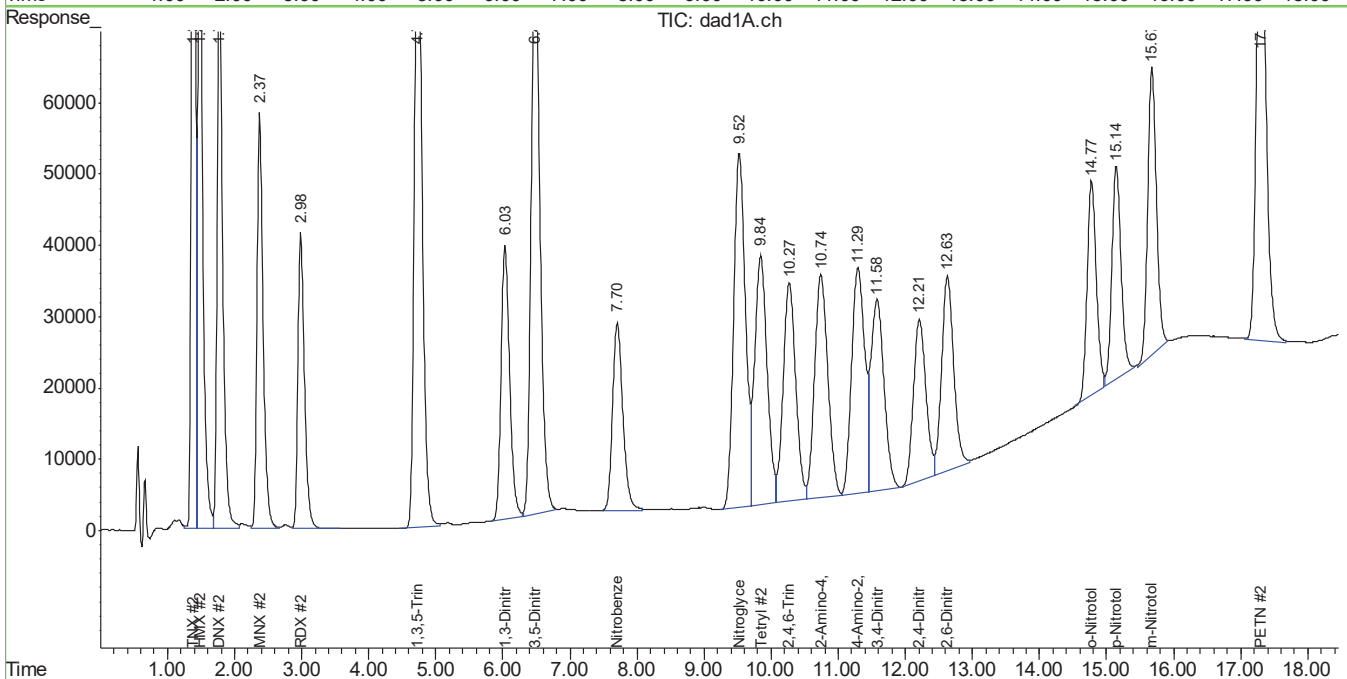
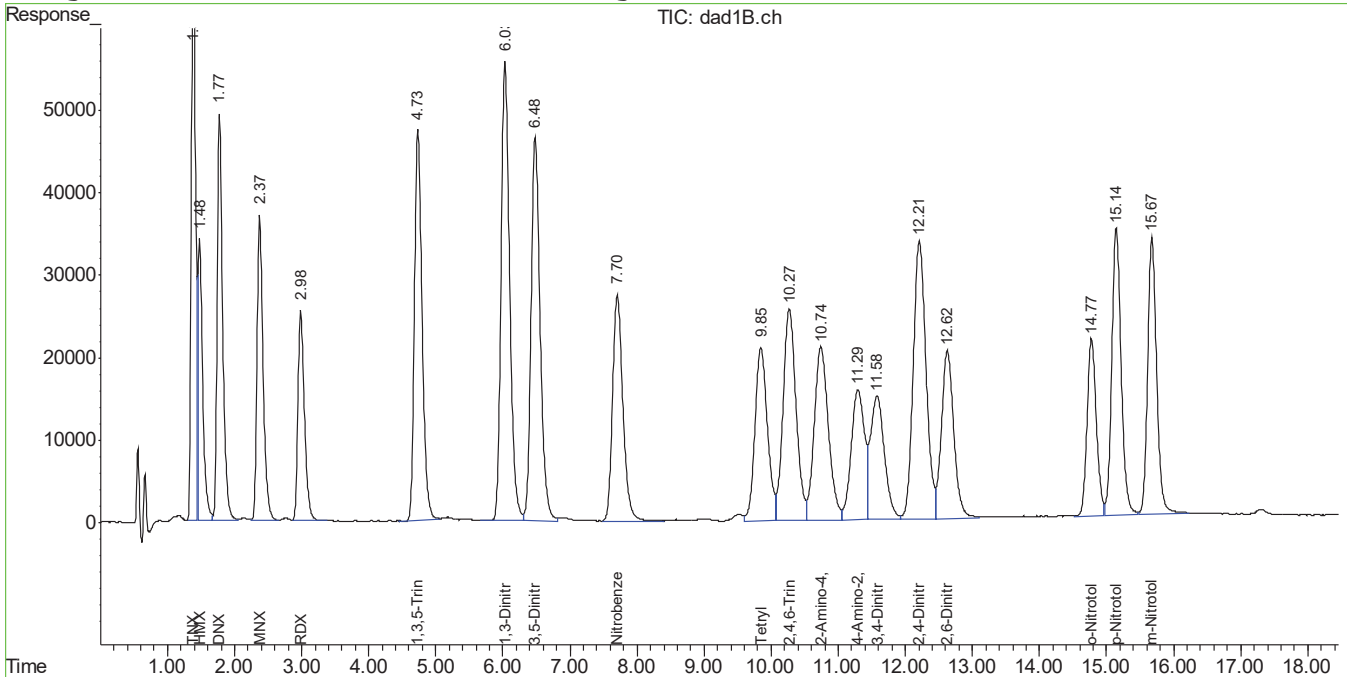
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB049971.D 8330B_0224.M Thu Feb 25 09:28:07 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0224BPL\BB049971.D\dad1B.ch Vial: 16
 Signal #2 : C:\HPCHEM\1\DATA\0224BPL\BB049971.D\dad1A.ch
 Acq On : 24-Feb-2016, 14:10:32 Operator: kismet1
 Sample : ic1412-1000 Inst : G1315B
 Misc : op59454,GBB1412,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Feb 25 9:27 2016 Quant Results File: 8330B_0208.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0208.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Feb 25 07:10:36 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.7.7

Manual Integration Approval Summary

Sample Number: GBB1412-IC1412 **Method:** SW846 8330A
Lab FileID: BB049971.D **Analyst approved:** 02/25/16 13:49 Kismet Lugo
Injection Time: 02/24/16 14:10 **Supervisor approved:** 02/26/16 12:48 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
TNX		1	1.38	Poor instrument integration
HMX	2691-41-0	1	1.48	Poor instrument integration
1,3-Dinitrobenzene	99-65-0	2	6.03	Poor instrument integration
3,5-Dinitroaniline	618-87-1	2	6.48	Poor instrument integration
Nitrobenzene	98-95-3	2	7.70	Poor instrument integration
o-Nitrotoluene	88-72-2	1	14.77	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.77	Poor instrument integration
p-Nitrotoluene	99-99-0	1	15.14	Poor instrument integration
p-Nitrotoluene	99-99-0	2	15.14	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.67	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.67	Poor instrument integration
PETN	78-11-5	2	17.30	Poor instrument integration

7.7.5.1

7

Manual Integrations
APPROVED
(compounds with "m" flag)

Mike Eger
02/26/16 12:48

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0224BPL\BB049972.D\dad1B.ch Vial: 17
Signal #2 : C:\HPCHEM\1\DATA\0224BPL\BB049972.D\dad1A.ch
Acq On : 24-Feb-2016, 14:36:03 Operator: kismet1
Sample : ic1412-2000 Inst : G1315B
Misc : op59454,GBB1412,1000,,,10,1,water Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 25 07:10:55 2016 Quant Results File: 8330B_0208.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0208.M (Chemstation Integrator)
Title : Explosives by 8330A,8330B,8332
Last Update : Thu Feb 25 07:10:36 2016
Response via : Initial Calibration
DataAcq Meth : 8330B.M

Volume Inj. : 100ul
Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb

System Monitoring Compounds						
15) S 3,4-Dinitrotolue	11.58	11.58	4483140	7935029	1994.728	1989.259
Spiked Amount	500.000	Range	70 - 136	Recovery	= 398.95%#	397.85%#
Target Compounds						
1) TNX	1.39	1.39	6613000	9966316	2167.934	2187.235
2) HMX	1.50	1.50	3498473	9526691	2040.167	1937.494
3) DNX	1.78	1.78	5929647	9636441	2026.353	2140.762
4) MNX	2.38	2.38	4872352	7620509	2074.813	2096.368
5) RDX	2.99	2.99	3607773	5831438	1957.865	1964.575
6) 1,3,5-Trinitrobe	4.74	4.74	7829940	15332649	1970.708	1959.910
7) 1,3-Dinitrobenze	6.03	6.03	10344471	7234265	1995.908	2037.982
8) 3,5-Dinitroanili	6.48	6.48	9051158	15268699	1928.339	1937.538m
9) Nitrobenzene	7.71	7.70	5979117	5714064	1903.857	1946.363m
10) Nitroglycerin	0.00	9.52	0	12634310	N.D. d	10175.829
11) Tetryl	9.85	9.85	5618532	9559501	1929.925	1962.851
12) 2,4,6-Trinitroto	10.27	10.27	7243916	8649222	2047.304	2064.077
13) 2-Amino-4,6-Dini	10.74	10.74	6468295	9499209	2126.586	2124.472
14) 4-Amino-2,6-Dini	11.29	11.30	4530210	9151866	2041.507	1972.206
16) 2,4-Dinitrotolue	12.21	12.21	9336485	6112839	1957.044	2131.425
17) 2,6-Dinitrotolue	12.63	12.63	5405305	7041769	2015.742	2198.124
18) o-Nitrotoluene	14.78	14.78	4184537	5842085	1904.131	1978.693m
19) p-Nitrotoluene	15.15	15.14	6788547	5826913	1912.823	2075.484m
20) m-Nitrotoluene	15.68	15.68	6257586	7392040	1911.992	2028.437m
21) PETN	0.00	17.31	0	14047083	N.D. d	10318.778

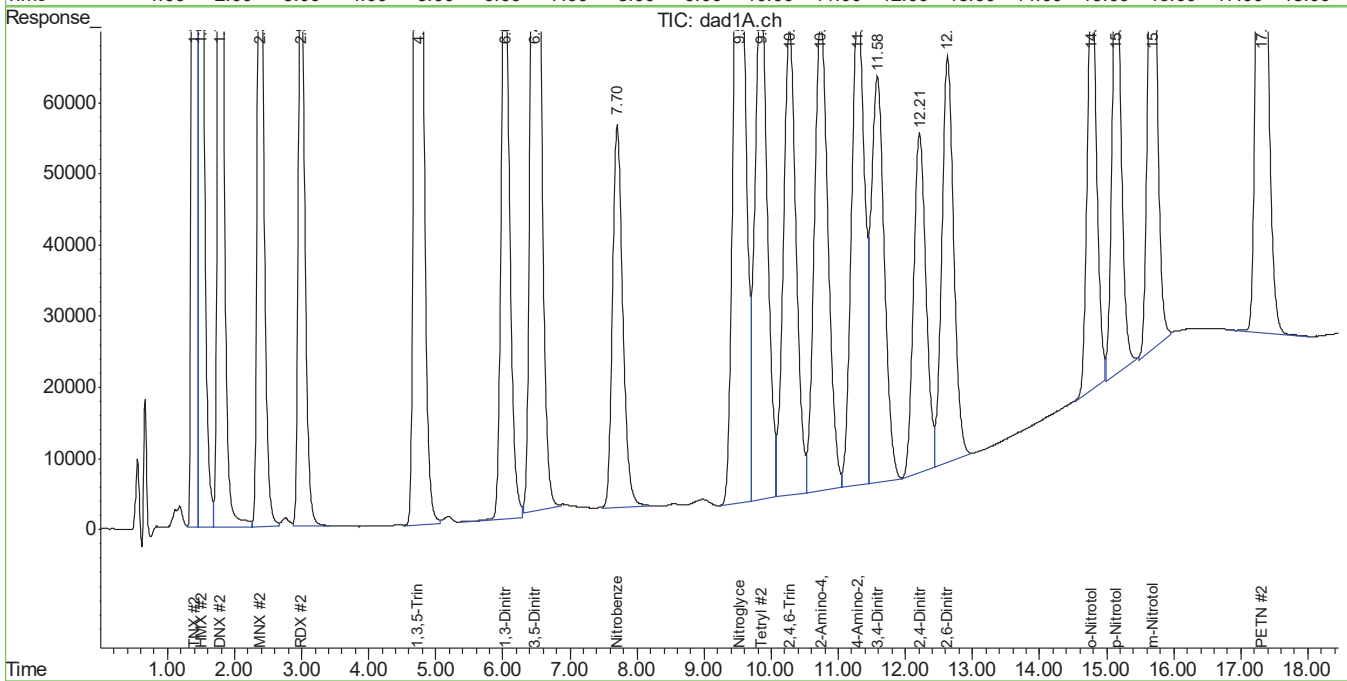
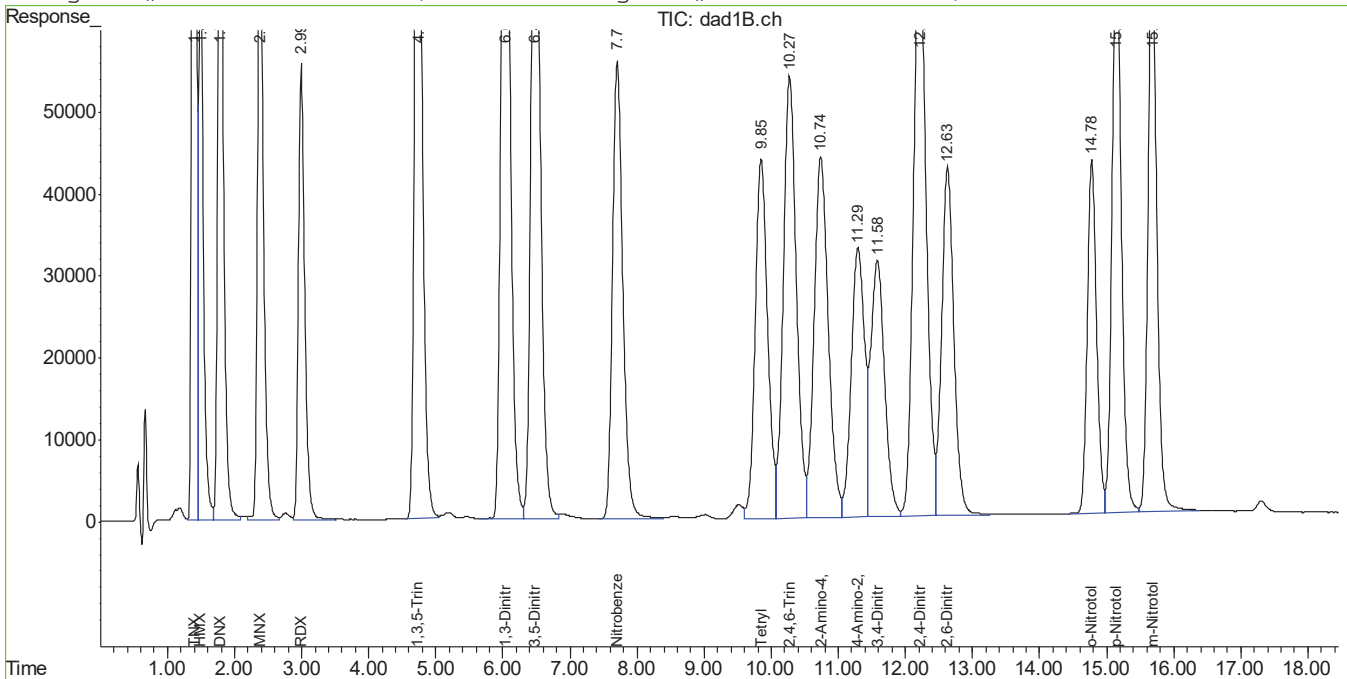
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
BB049972.D 8330B_0224.M Thu Feb 25 09:07:39 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0224BPL\BB049972.D\dad1B.ch Vial: 17
 Signal #2 : C:\HPCHEM\1\DATA\0224BPL\BB049972.D\dad1A.ch
 Acq On : 24-Feb-2016, 14:36:03 Operator: kismet1
 Sample : ic1412-2000 Inst : G1315B
 Misc : op59454,GBB1412,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Feb 25 7:48 2016 Quant Results File: 8330B_0208.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0208.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Feb 25 07:10:36 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.7.7
 7

Manual Integration Approval Summary

Sample Number: GBB1412-IC1412 Method: SW846 8330A
Lab FileID: BB049972.D Analyst approved: 02/25/16 13:49 Kismet Lugo
Injection Time: 02/24/16 14:36 Supervisor approved: 02/26/16 12:48 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
3,5-Dinitroaniline	618-87-1	2	6.48	Poor instrument integration
Nitrobenzene	98-95-3	2	7.70	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.78	Poor instrument integration
p-Nitrotoluene	99-99-0	2	15.14	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.68	Poor instrument integration

7.7.6.1

7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0224BPL\BB049973.D\dad1B.ch Vial: 18
 Signal #2 : C:\HPCHEM\1\DATA\0224BPL\BB049973.D\dad1A.ch
 Acq On : 24-Feb-2016, 15:01:30 Operator: kismet1
 Sample : icv1412-500 Inst : G1315B
 Misc : op59454,GBB1412,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Feb 25 09:32:05 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Feb 25 09:31:23 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds
 15) S 3,4-Dinitrotolue 0.00 0.00 0 0 N.D. N.D.
 Spiked Amount 500.000 Range 70 - 136 Recovery = 0.00%# 0.00%#

Target Compounds						
	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
1) TNX	1.38	1.38	1594868	2324063	514.760m	511.805m
2) HMX	1.49	1.49	954498	2593334	545.942m	531.002m
3) DNX	1.78	1.78	1452097	2355157	484.130	515.845
4) MNX	2.38	2.38	1212708	1889762	509.751	503.578
5) RDX	2.99	2.99	953824	1528218	521.128	530.575
6) 1,3,5-Trinitrobe	4.73	4.73	2020126	3956139	524.415	524.983
7) 1,3-Dinitrobenze	6.03	6.03	2537743	1739575	500.510	501.717m
8) 3,5-Dinitroanili	6.48	6.48	2278739	3871443	503.978	516.979m
9) Nitrobenzene	7.71	7.70	1625158	1572316	543.632	540.309m
10) Nitroglycerin	0.00	9.53	0	3012346	N.D. d	2457.419
11) Tetryl	9.85	9.85	1215662	1994445	454.924	432.803
12) 2,4,6-Trinitroto	10.27	10.27	1575290	1850204	467.528	472.317
13) 2-Amino-4,6-Dini	10.74	10.74	1678926	2339258	556.984	563.889
14) 4-Amino-2,6-Dini	11.30	11.30	1277452	2378556	570.056	582.907
16) 2,4-Dinitrotolue	12.21	12.21	2422455	1574779	526.873	560.161m
17) 2,6-Dinitrotolue	12.63	12.63	1438308	1814522	537.720	555.579m
18) o-Nitrotoluene	14.78	14.78	1180776	1618445	550.609m	572.501m
19) p-Nitrotoluene	15.15	15.15	1827612	1507274	529.016m	558.484m
20) m-Nitrotoluene	15.68	15.68	1787868	2013995	560.478m	562.934m
21) PETN	0.00	17.31	0	3592221	N.D. d	2642.040m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB049973.D 8330B_0224.M Thu Feb 25 09:44:02 2016

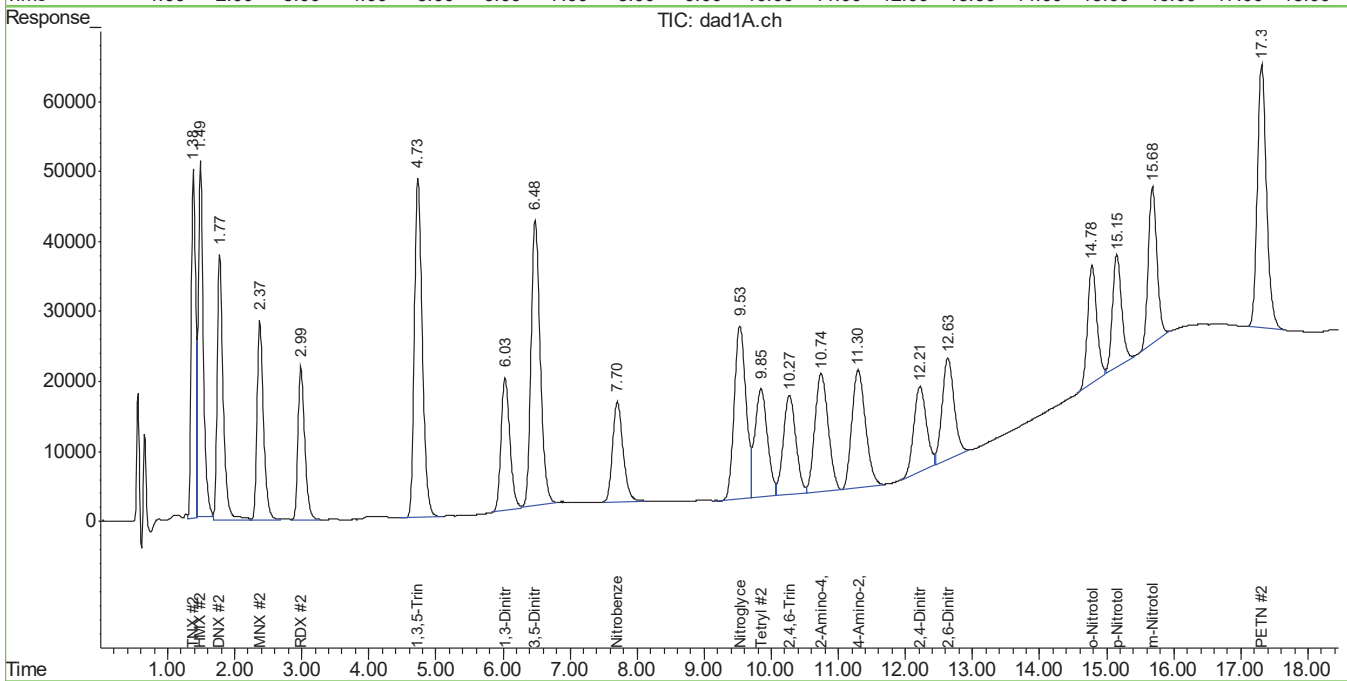
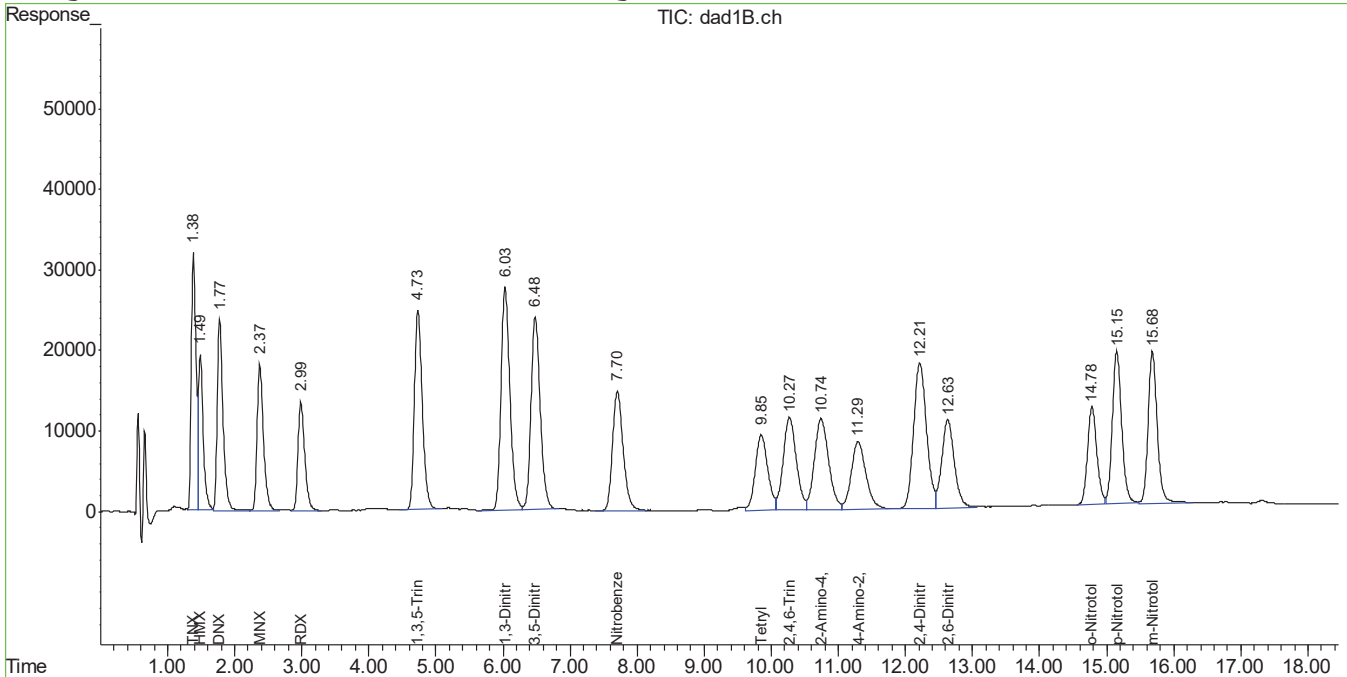
7.7.7
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0224BPL\BB049973.D\dad1B.ch Vial: 18
 Signal #2 : C:\HPCHEM\1\DATA\0224BPL\BB049973.D\dad1A.ch
 Acq On : 24-Feb-2016, 15:01:30 Operator: kismet1
 Sample : icv1412-500 Inst : G1315B
 Misc : op59454,GBB1412,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Feb 25 9:35 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Feb 25 09:31:23 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



Manual Integration Approval Summary

Sample Number: GBB1412-ICV1412 **Method:** SW846 8330A
Lab FileID: BB049973.D **Analyst approved:** 02/25/16 13:49 Kismet Lugo
Injection Time: 02/24/16 15:01 **Supervisor approved:** 02/26/16 12:48 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
TNX		1	1.38	Poor instrument integration
TNX		2	1.38	Poor instrument integration
HMX	2691-41-0	1	1.49	Poor instrument integration
HMX	2691-41-0	2	1.49	Poor instrument integration
1,3-Dinitrobenzene	99-65-0	2	6.03	Poor instrument integration
3,5-Dinitroaniline	618-87-1	2	6.48	Poor instrument integration
Nitrobenzene	98-95-3	2	7.70	Poor instrument integration
2,4-Dinitrotoluene	121-14-2	2	12.21	Poor instrument integration
2,6-Dinitrotoluene	606-20-2	2	12.63	Poor instrument integration
o-Nitrotoluene	88-72-2	1	14.78	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.78	Poor instrument integration
p-Nitrotoluene	99-99-0	1	15.15	Poor instrument integration
p-Nitrotoluene	99-99-0	2	15.15	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.68	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.68	Poor instrument integration
PETN	78-11-5	2	17.31	Poor instrument integration

7.7.7.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050331.D\dad1B.ch Vial: 2
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050331.D\dad1A.ch
 Acq On : 15-Mar-2016, 06:52:36 Operator: kismet1
 Sample : cc1412-1000 Inst : G1315B
 Misc : op59619,GBB1423,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 06:50:15 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.16	11.16	2218366	3788448	971.784	1012.684
	Spiked Amount	500.000	Range	70 - 136	Recovery	= 194.36%#	202.54%#

Target Compounds

1)	TNX	1.34	1.34	2999049	4555326	967.974m	1003.174
2)	HMX	1.40	1.42	1741238	5110285	995.932m	1046.365
3)	DNX	1.72	1.72	2860027	4620107	953.535	994.663
4)	MNX	2.29	2.29	2339211	3680442	983.266	980.753
5)	RDX	2.89	2.89	1739936	2838106	950.626	985.349
6)	1,3,5-Trinitrobe	4.58	4.58	3784067	7464617	982.325	990.562
7)	1,3-Dinitrobenze	5.84	5.84	5003750	3568765	986.872	1029.281
8)	3,5-Dinitroanili	6.28	6.28	4419529	7490188	977.447	1000.213m
9)	Nitrobenzene	7.46	7.46	3032644	2881075	1014.450	990.050m
10)	Nitroglycerin	0.00	9.22	0	6014201	N.D.	4906.280 #
11)	Tetryl	9.50	9.49	2890198	4852621	1081.567	1053.039
12)	2,4,6-Trinitroto	9.91	9.91	3500759	4158827	1038.984	1061.657
13)	2-Amino-4,6-Dini	10.35	10.35	3156803	4605653	1022.996	1110.214
14)	4-Amino-2,6-Dini	10.87	10.87	2143694	4300990	956.611	1016.358
16)	2,4-Dinitrotolue	11.83	11.83	4547842	2910675	989.135	1035.350
17)	2,6-Dinitrotolue	12.26	12.26	2684594	3390792	1003.650	1038.210
18)	o-Nitrotoluene	14.49	14.49	2155922	2999105	1005.330	1060.889m
19)	p-Nitrotoluene	14.87	14.87	3490833	2941453	1010.448	1089.885m
20)	m-Nitrotoluene	15.42	15.42	3216146	3822153	1008.229	1068.335m
21)	PETN	0.00	0.00	0	0	N.D.	N.D.

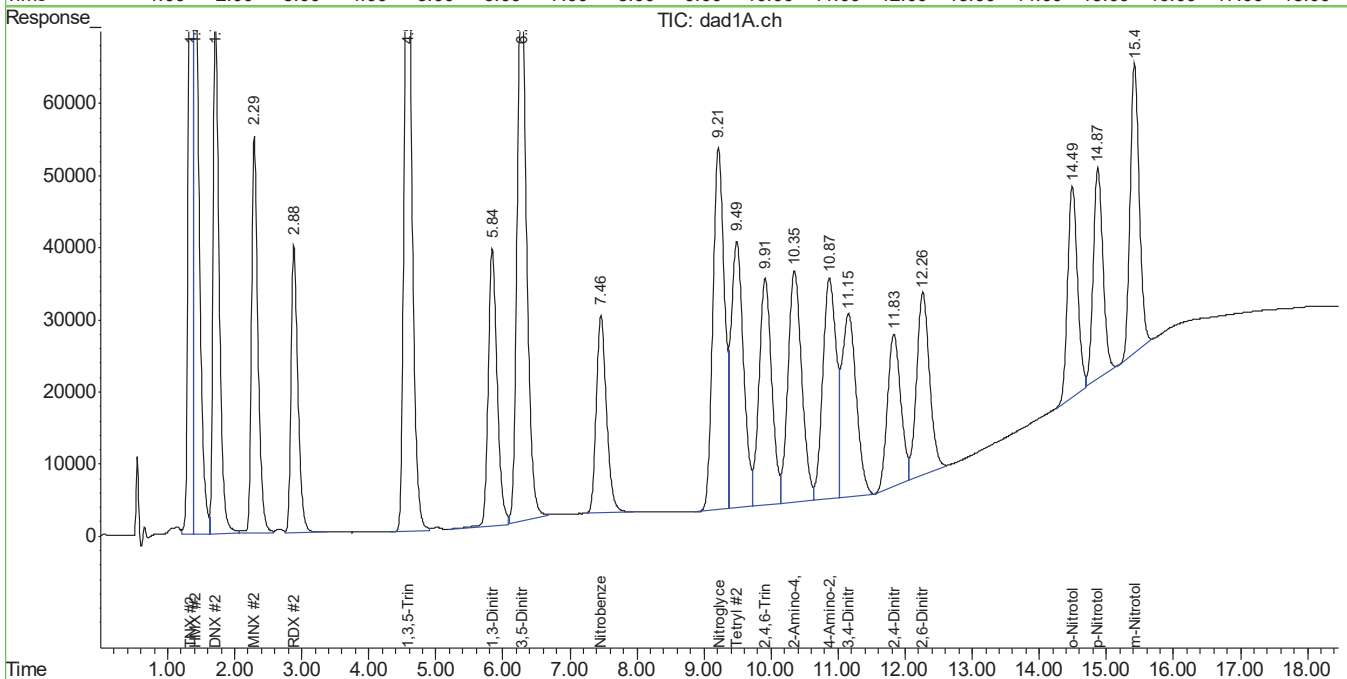
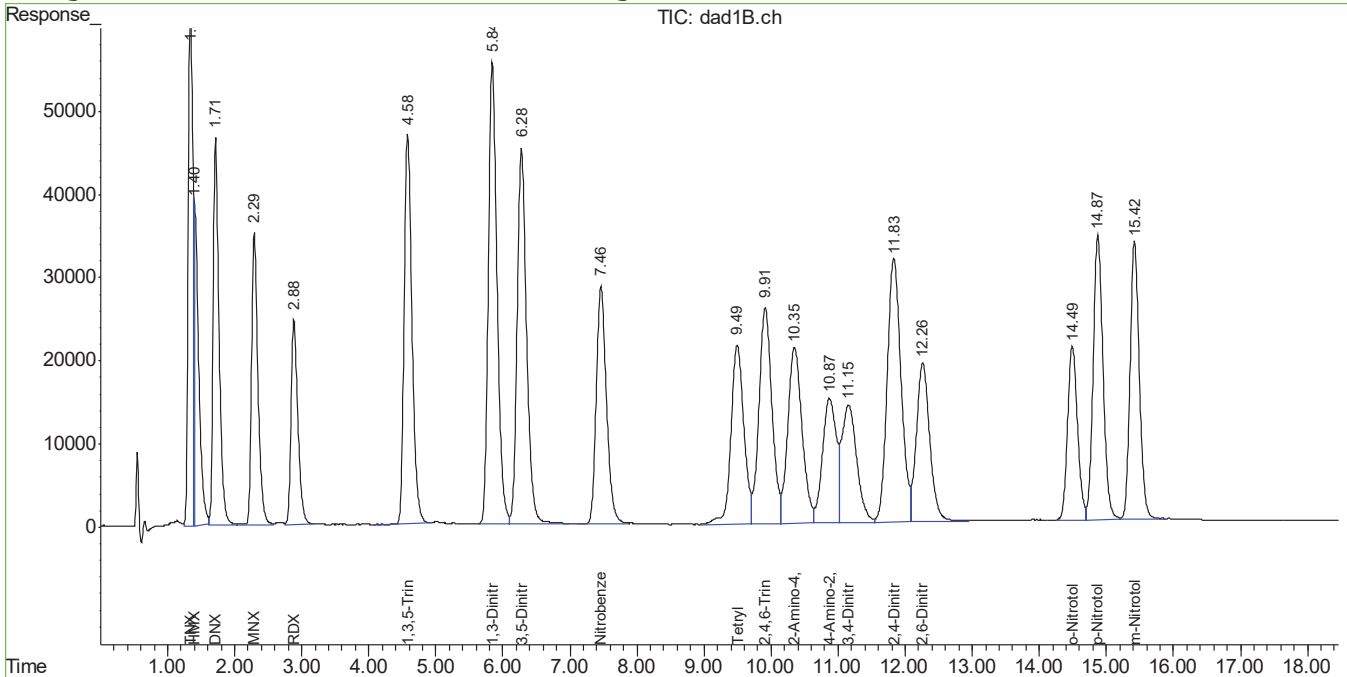
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050331.D 8330B_0224.M Wed Mar 16 09:19:51 2016

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050331.D\dad1B.ch Vial: 2
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050331.D\dad1A.ch
 Acq On : 15-Mar-2016, 06:52:36 Operator: kismet1
 Sample : cc1412-1000 Inst : G1315B
 Misc : op59619,GBB1423,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 6:54 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



8777

Manual Integration Approval Summary

Sample Number: GBB1423-CC1412 Method: SW846 8330B
Lab FileID: BB050331.D Analyst approved: 03/16/16 09:37 Kismet Lugo
Injection Time: 03/15/16 06:52 Supervisor approved: 03/16/16 12:13 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
TNX		1	1.34	Overlapping peak
HMX	2691-41-0	1	1.40	Overlapping peak
3,5-Dinitroaniline	618-87-1	2	6.28	Poor instrument integration
Nitrobenzene	98-95-3	2	7.46	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.49	Poor instrument integration
p-Nitrotoluene	99-99-0	2	14.87	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.42	Poor instrument integration

7.7.8.1

7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050333.D\dad1B.ch Vial: 42
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050333.D\dad1A.ch
 Acq On : 15-Mar-2016, 07:57:08 Operator: kismet1
 Sample : cc1412-1000 Inst : G1315B
 Misc : op59619,GBB1423,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 06:50:17 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.18	11.18	2184636	3748828	957.009	1002.702
	Spiked Amount	500.000	Range	70 - 136	Recovery	= 191.40%#	200.54%#

Target Compounds

1)	TNX	1.34	1.34	3044372	4768226	982.602m	1050.058
2)	HMX	1.40	1.42	1837643	5014703	1051.073m	1026.794
3)	DNX	1.72	1.72	2843144	4580298	947.906	986.384
4)	MNX	2.30	2.30	2338313	3663949	982.889	976.358
5)	RDX	2.89	2.89	1751308	2834268	956.839	984.016
6)	1,3,5-Trinitrobe	4.59	4.59	3779647	7412712	981.177	983.674
7)	1,3-Dinitrobenze	5.85	5.85	4986412	3507417	983.453	1011.587
8)	3,5-Dinitroanili	6.28	6.28	4056207	6849510	897.093	914.659m
9)	Nitrobenzene	7.47	7.47	3017017	2872161	1009.223	986.987m
10)	Nitroglycerin	0.00	9.23	0	5943397	N.D. d	4848.519
11)	Tetryl	9.51	9.50	2808954	4839900	1051.164	1050.278
12)	2,4,6-Trinitroto	9.93	9.93	3472941	4133052	1030.728	1055.078
13)	2-Amino-4,6-Dini	10.36	10.36	3143868	4602813	1019.006	1109.530
14)	4-Amino-2,6-Dini	10.88	10.88	2141659	4290176	955.704	1013.999
16)	2,4-Dinitrotolue	11.85	11.85	4510696	2895282	981.056	1029.874
17)	2,6-Dinitrotolue	12.28	12.28	2639499	3382995	986.791	1035.822
18)	o-Nitrotoluene	14.50	14.51	2137445	2999967	996.714m	1061.194m
19)	p-Nitrotoluene	14.88	14.89	3454021	2933808	999.793m	1087.052m
20)	m-Nitrotoluene	15.43	15.43	3203713	3794537	1004.331m	1060.616m
21)	PETN	0.00	17.06	0	6755825	N.D. d	4968.837m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050333.D 8330B_0224.M Wed Mar 16 09:19:53 2016

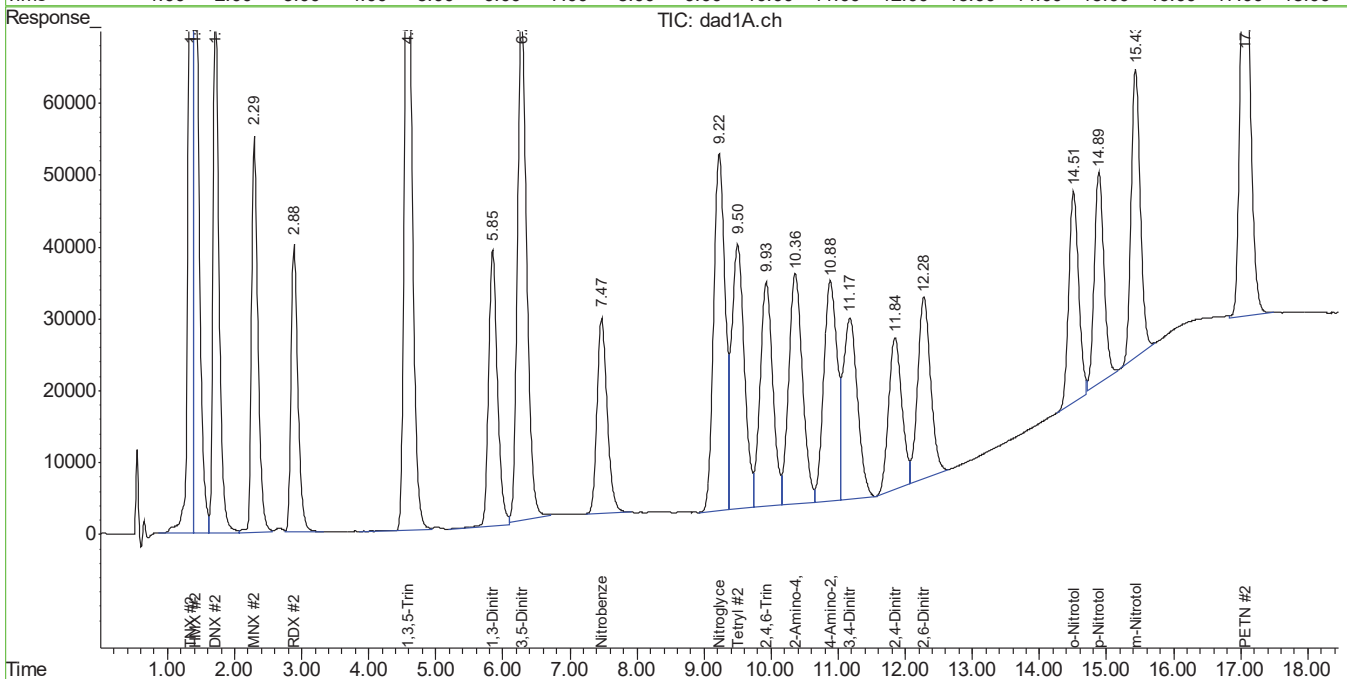
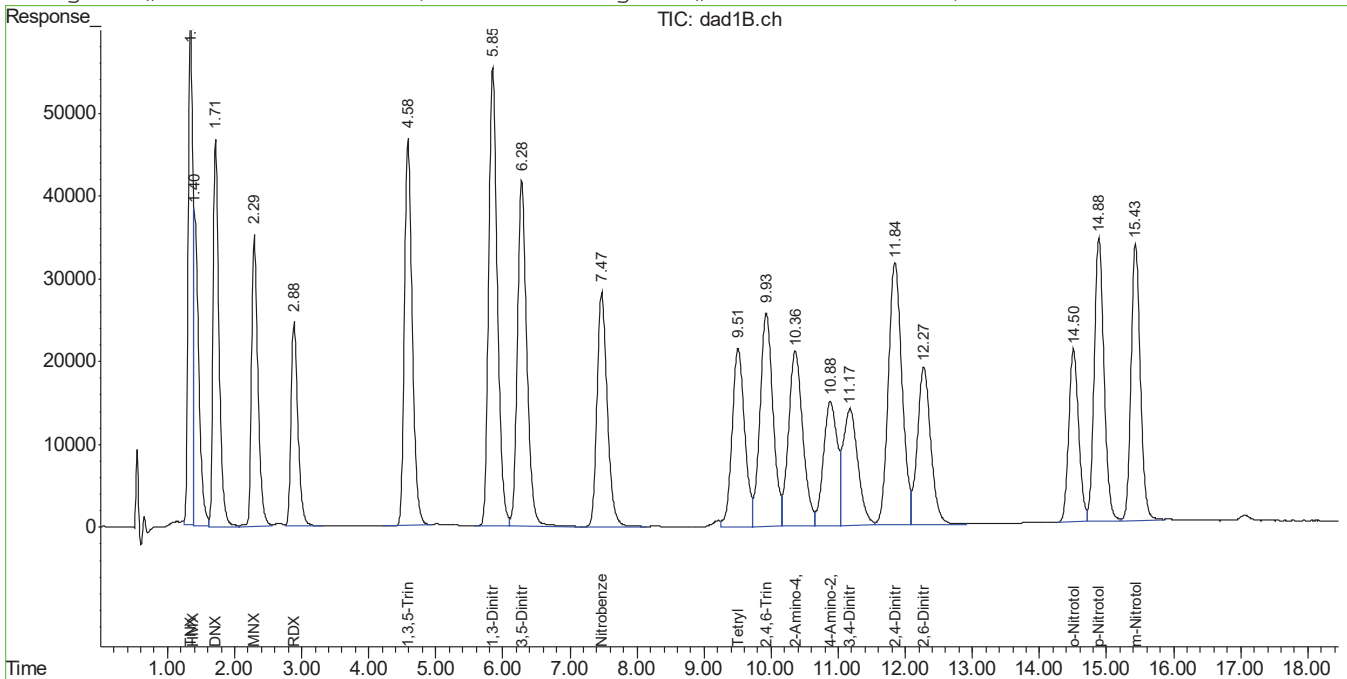
7.7.9
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050333.D\dad1B.ch Vial: 42
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050333.D\dad1A.ch
 Acq On : 15-Mar-2016, 07:57:08 Operator: kismet1
 Sample : cc1412-1000 Inst : G1315B
 Misc : op59619,GBB1423,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 8:04 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



Manual Integration Approval Summary

Sample Number: GBB1423-CC1412 **Method:** SW846 8330B
Lab FileID: BB050333.D **Analyst approved:** 03/16/16 09:37 Kismet Lugo
Injection Time: 03/15/16 07:57 **Supervisor approved:** 03/16/16 12:13 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
TNX		1	1.34	Overlapping peak
HMX	2691-41-0	1	1.40	Overlapping peak
3,5-Dinitroaniline	618-87-1	2	6.28	Poor instrument integration
Nitrobenzene	98-95-3	2	7.47	Poor instrument integration
o-Nitrotoluene	88-72-2	1	14.50	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.51	Poor instrument integration
p-Nitrotoluene	99-99-0	1	14.88	Poor instrument integration
p-Nitrotoluene	99-99-0	2	14.89	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.43	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.43	Poor instrument integration
PETN	78-11-5	2	17.06	Poor instrument integration

7.7.9.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050344.D\dad1B.ch Vial: 42
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050344.D\dad1A.ch
 Acq On : 15-Mar-2016, 12:46:33 Operator: kismet1
 Sample : cc1412-1000 Inst : G1315B
 Misc : op59619,GBB1423,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 06:50:28 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.20	11.20	2138563	3703767	936.826	991.336
	Spiked Amount	500.000	Range	70 - 136	Recovery	= 187.37%#	198.27%#

Target Compounds

1)	TNX	1.34	1.34	2818869	4344689	909.819m	956.787
2)	HMX	1.40	1.42	1634544	4981719	934.906m	1020.040
3)	DNX	1.72	1.72	2846413	4681553	948.996	1007.434
4)	MNX	2.30	2.30	2325762	3648005	977.613	972.109
5)	RDX	2.89	2.89	1732719	2809546	946.682	975.433
6)	1,3,5-Trinitrobe	4.59	4.59	3767939	7406271	978.138	982.819
7)	1,3-Dinitrobenze	5.85	5.85	4969810	3549069	980.178	1023.600
8)	3,5-Dinitroanili	6.28	6.27	4043062	6816851	894.186	910.298m
9)	Nitrobenzene	7.49	7.48	2996491	2906401	1002.356	998.753m
10)	Nitroglycerin	0.00	9.24	0	5918931	N.D.	4828.560 #
11)	Tetryl	9.52	9.51	2871160	4852551	1074.443	1053.023
12)	2,4,6-Trinitroto	9.94	9.94	3448951	4103584	1023.608	1047.555
13)	2-Amino-4,6-Dini	10.37	10.37	3124319	4582284	1012.974	1104.581
14)	4-Amino-2,6-Dini	10.90	10.90	2135431	4270535	952.924	1009.714
16)	2,4-Dinitrotolue	11.87	11.87	4472701	2885342	972.792	1026.339
17)	2,6-Dinitrotolue	12.30	12.30	2590902	3343736	968.623	1023.802
18)	o-Nitrotoluene	14.53	14.53	2131333	2937142	993.864m	1038.971m
19)	p-Nitrotoluene	14.90	14.90	3423268	2987033	990.891m	1106.773m
20)	m-Nitrotoluene	15.45	15.45	3160647	3820176	990.830m	1067.783m
21)	PETN	0.00	17.08	0	6691940	N.D.	d 4921.850m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050344.D 8330B_0224.M Wed Mar 16 09:20:04 2016

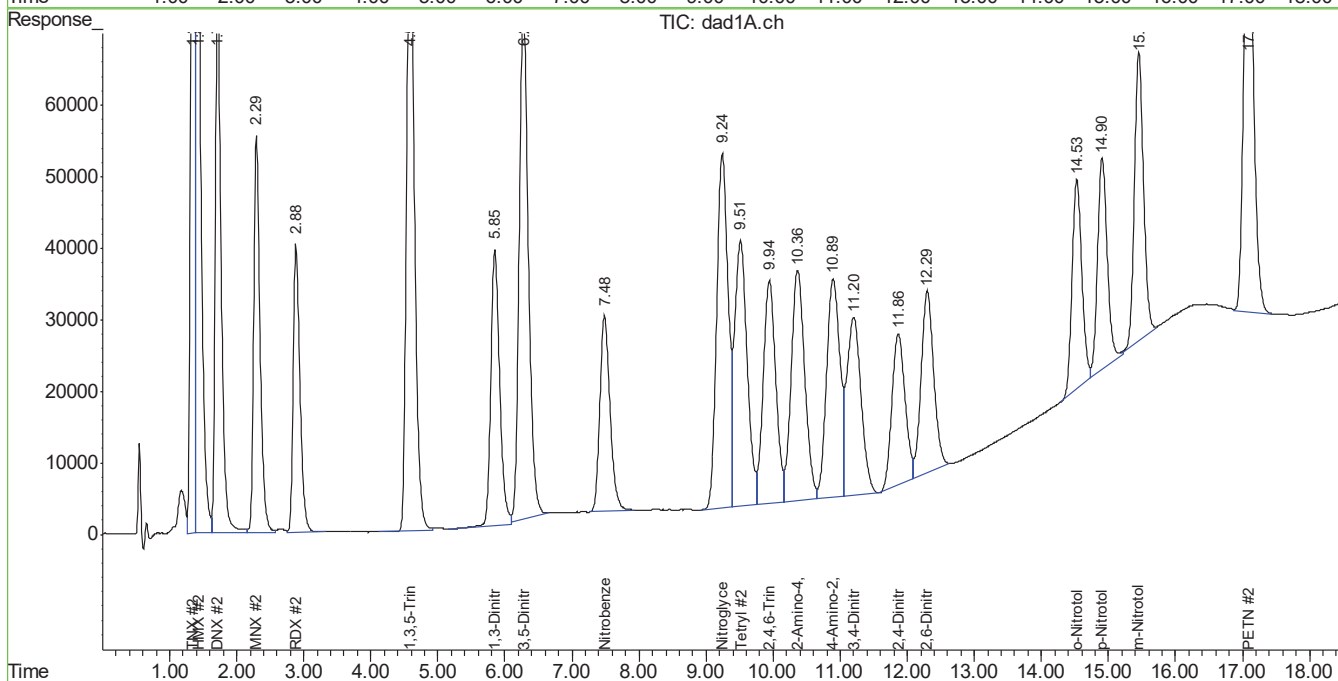
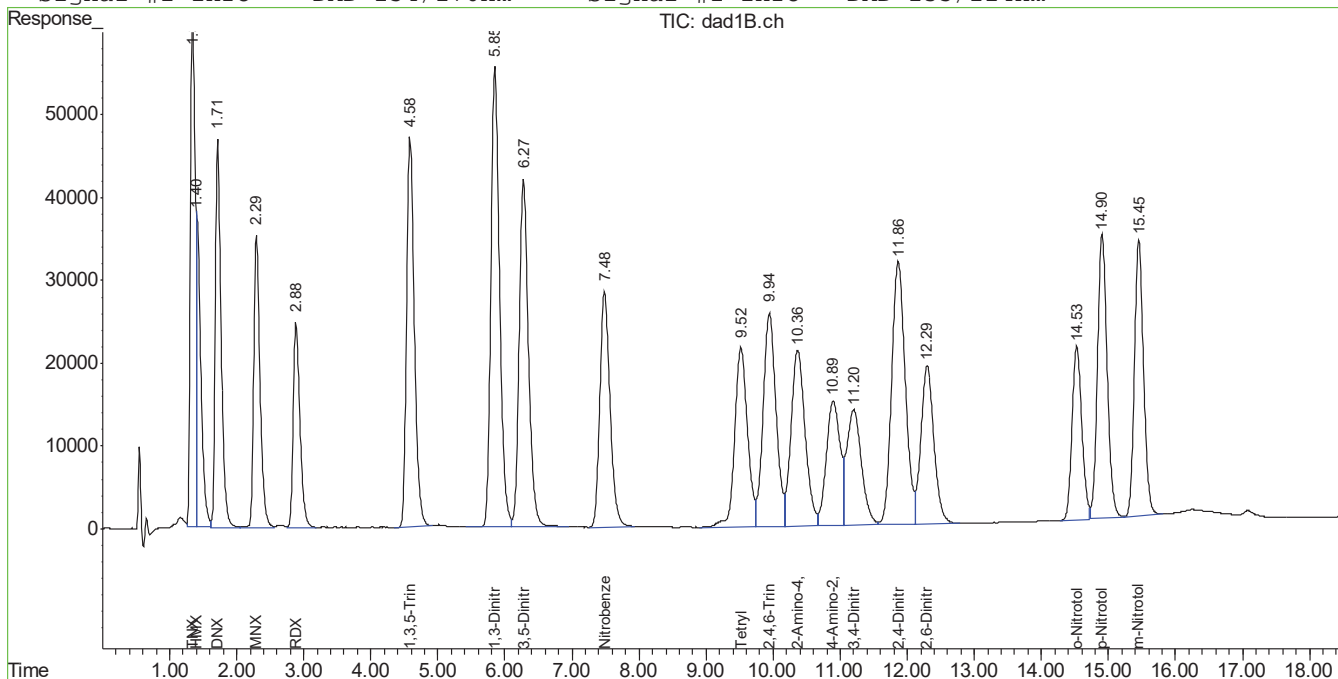
7.7.10
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050344.D\dad1B.ch Vial: 42
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050344.D\dad1A.ch
 Acq On : 15-Mar-2016, 12:46:33 Operator: kismet1
 Sample : cc1412-1000 Inst : G1315B
 Misc : op59619,GBB1423,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 8:01 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.7.10
7

Manual Integration Approval Summary

Sample Number: GBB1423-CC1412 **Method:** SW846 8330B
Lab FileID: BB050344.D **Analyst approved:** 03/16/16 09:37 Kismet Lugo
Injection Time: 03/15/16 12:46 **Supervisor approved:** 03/16/16 12:13 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
TNX		1	1.34	Overlapping peak
HMX	2691-41-0	1	1.40	Overlapping peak
3,5-Dinitroaniline	618-87-1	2	6.27	Poor instrument integration
Nitrobenzene	98-95-3	2	7.48	Poor instrument integration
o-Nitrotoluene	88-72-2	1	14.53	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.53	Poor instrument integration
p-Nitrotoluene	99-99-0	1	14.90	Poor instrument integration
p-Nitrotoluene	99-99-0	2	14.90	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.45	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.45	Poor instrument integration
PETN	78-11-5	2	17.08	Poor instrument integration

7.7.10.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050356.D\dad1B.ch Vial: 85
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050356.D\dad1A.ch
 Acq On : 15-Mar-2016, 17:56:44 Operator: kismet1
 Sample : cc1412-1000 Inst : G1315B
 Misc : op59619,GBB1423,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 06:50:40 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.20	11.20	2177799	3794975	954.013	1014.327
	Spiked Amount	500.000	Range	70 - 136	Recovery	= 190.80%#	202.87%#

Target Compounds

1)	TNX	1.34	1.34	2952081	4433021	952.814m	976.240
2)	HMX	1.40	1.42	1846823	5095143	1056.323m	1043.264
3)	DNX	1.72	1.72	2878740	4781819	959.774	1028.248
4)	MNX	2.29	2.29	2336646	3726462	982.188	993.016
5)	RDX	2.89	2.89	1775839	2892237	970.242	1004.142
6)	1,3,5-Trinitrobe	4.59	4.59	3876209	7608466	1006.244	1009.651
7)	1,3-Dinitrobenze	5.85	5.85	5090719	3650614	1004.025	1052.887
8)	3,5-Dinitroanili	6.28	6.27	4124531	6988842	912.204	933.265m
9)	Nitrobenzene	7.49	7.49	3066409	2939772	1025.745	1010.221m
10)	Nitroglycerin	0.00	9.24	0	6026348	N.D.	4916.189 #
11)	Tetryl	9.52	9.52	2848396	4936331	1065.924m	1071.204
12)	2,4,6-Trinitroto	9.94	9.94	3519281	4198406	1044.481	1071.761
13)	2-Amino-4,6-Dini	10.37	10.37	3193814	4689130	1034.403	1130.337
14)	4-Amino-2,6-Dini	10.90	10.90	2178420	4374470	972.108	1032.359
16)	2,4-Dinitrotolue	11.87	11.87	4557664	2951992	991.271	1050.047
17)	2,6-Dinitrotolue	12.30	12.30	2651289	3439149	991.199	1053.015
18)	o-Nitrotoluene	14.54	14.54	2213767	2996639	1032.304m	1060.017m
19)	p-Nitrotoluene	14.91	14.91	3610393	3037967	1045.056m	1125.646m
20)	m-Nitrotoluene	15.46	15.46	3316799	3923314	1039.782m	1096.611m
21)	PETN	0.00	17.09	0	6840558	N.D.	d 5031.157m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050356.D 8330B_0224.M Wed Mar 16 09:20:16 2016

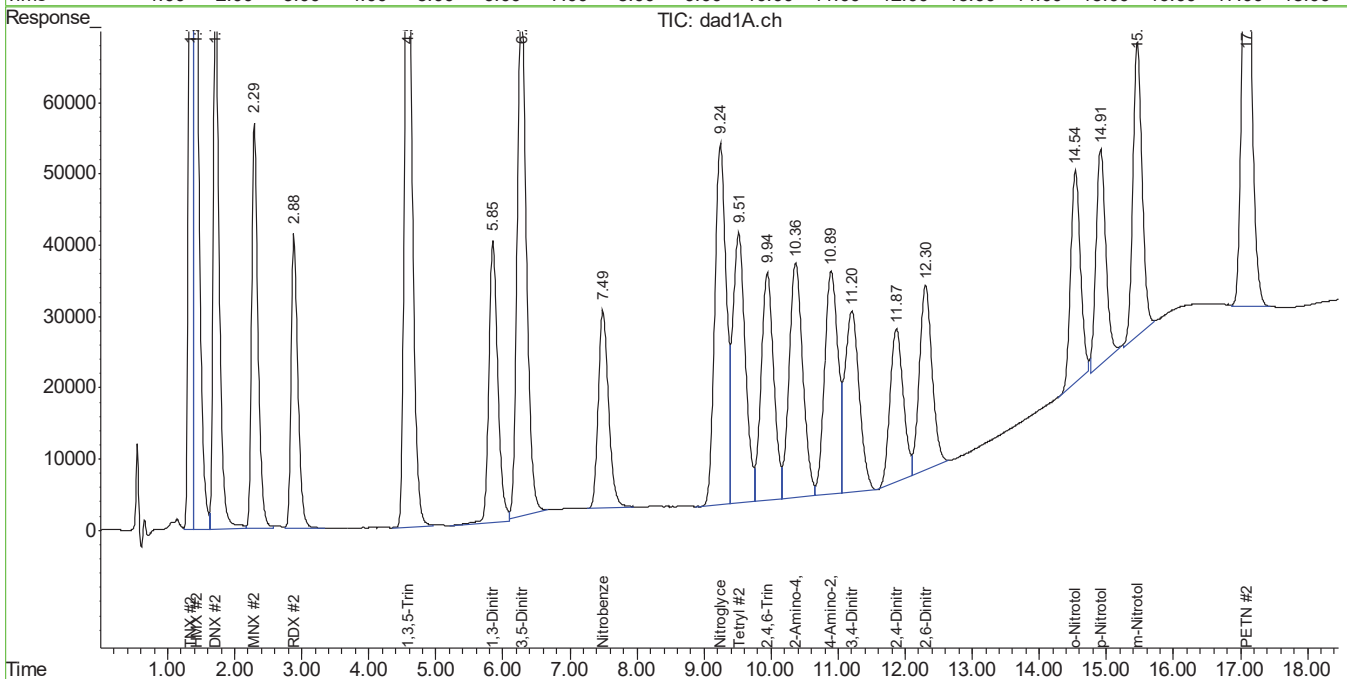
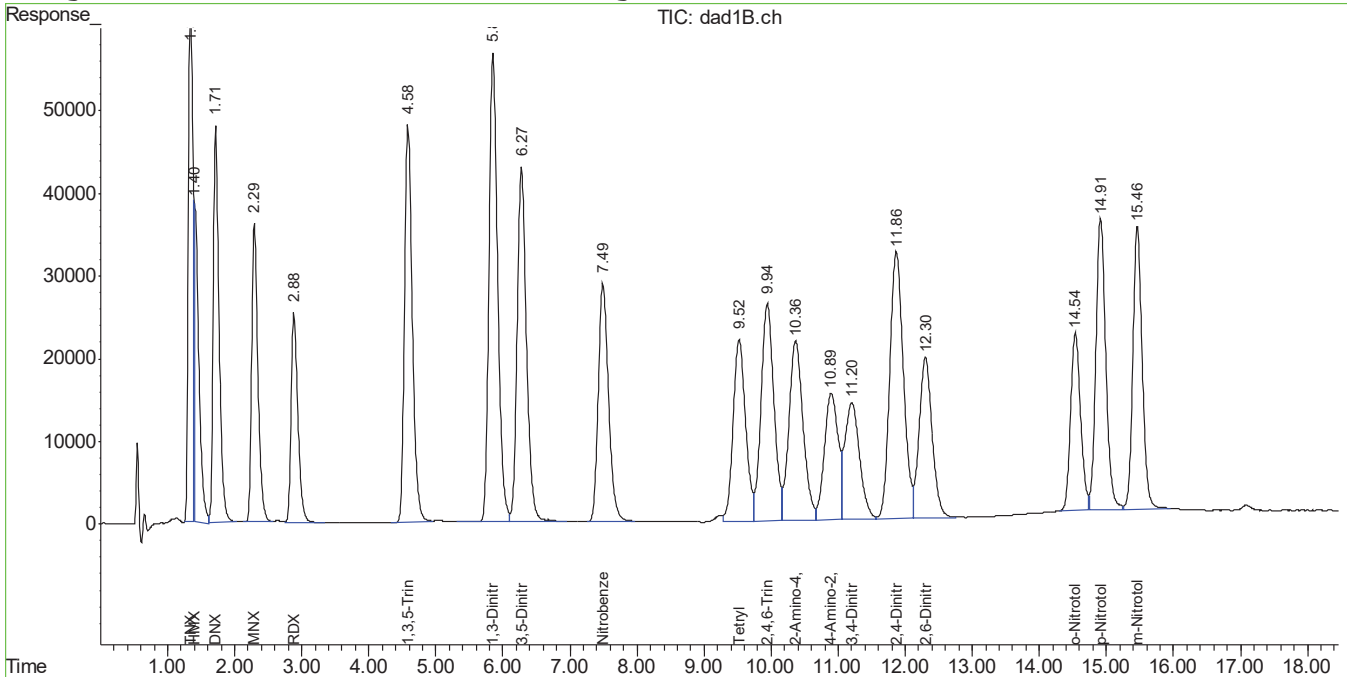
7.7.11
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0315BPL\BB050356.D\dad1B.ch Vial: 85
 Signal #2 : C:\HPCHEM\1\DATA\0315BPL\BB050356.D\dad1A.ch
 Acq On : 15-Mar-2016, 17:56:44 Operator: kismet1
 Sample : cc1412-1000 Inst : G1315B
 Misc : op59619,GBB1423,1000,,,10,1,water Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 16 8:07 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Wed Mar 16 06:50:00 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.7.11
7

Manual Integration Approval Summary

Sample Number: GBB1423-CC1412 **Method:** SW846 8330B
Lab FileID: BB050356.D **Analyst approved:** 03/16/16 09:37 Kismet Lugo
Injection Time: 03/15/16 17:56 **Supervisor approved:** 03/16/16 12:13 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
TNX		1	1.34	Overlapping peak
HMX	2691-41-0	1	1.40	Overlapping peak
3,5-Dinitroaniline	618-87-1	2	6.27	Poor instrument integration
Nitrobenzene	98-95-3	2	7.49	Poor instrument integration
Tetryl	479-45-8	1	9.52	Overlapping peak
o-Nitrotoluene	88-72-2	1	14.54	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.54	Poor instrument integration
p-Nitrotoluene	99-99-0	1	14.91	Poor instrument integration
p-Nitrotoluene	99-99-0	2	14.91	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.46	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.46	Poor instrument integration
PETN	78-11-5	2	17.09	Poor instrument integration

7.7.11.1
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050408.D\dad1B.ch Vial: 48
 Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050408.D\dad1A.ch
 Acq On : 16-Mar-2016, 16:19:48 Operator: kismet1
 Sample : cc1412-1000 Inst : G1315B
 Misc : op59696,GBB1424,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 17 07:12:07 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Mar 17 07:11:30 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.14	11.14	2162131	3750525	947.150	1003.130
	Spiked Amount	500.000	Range	69 - 134	Recovery	= 189.43%#	200.63%#

Target Compounds

1)	TNX	1.33	1.34	3025386	4358014	976.474m	959.722
2)	HMX	1.39	1.41	1794945	5110991	1026.651m	1046.509
3)	DNX	1.71	1.71	2921370	4754803	973.987	1022.642
4)	MNX	2.28	2.28	2355970	3695609	990.310	984.795
5)	RDX	2.86	2.86	1775507	2871051	970.060	996.786
6)	1,3,5-Trinitrobe	4.55	4.55	3855216	7585970	1000.795	1006.666
7)	1,3-Dinitrobenze	5.82	5.82	5073487	3627721	1000.626	1046.285
8)	3,5-Dinitroanili	6.23	6.23	4137255	7029327	915.018	938.671m
9)	Nitrobenzene	7.48	7.48	3056369	2930431	1022.386	1007.011m
10)	Nitroglycerin	0.00	9.19	0	6021742	N.D.	4912.432 #
11)	Tetryl	9.45	9.45	2851999	4949386	1067.273m	1074.037
12)	2,4,6-Trinitroto	9.88	9.88	3520359	4206839	1044.801	1073.914
13)	2-Amino-4,6-Dini	10.28	10.28	3208774	4745612	1039.010	1143.952
14)	4-Amino-2,6-Dini	10.82	10.82	2204425	4423728	983.712	1043.064
16)	2,4-Dinitrotolue	11.81	11.81	4577056	2957420	995.489	1051.977
17)	2,6-Dinitrotolue	12.26	12.26	2651575	3416003	991.306	1045.929
18)	o-Nitrotoluene	14.53	14.53	2168033	3010824	1010.977m	1065.035m
19)	p-Nitrotoluene	14.90	14.90	3507224	3018087	1015.193m	1118.280m
20)	m-Nitrotoluene	15.46	15.46	3233230	3880357	1013.584m	1084.604m
21)	PETN	0.00	17.05	0	6065937	N.D.	d 4461.432m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050408.D 8330B_0224.M Thu Mar 17 08:55:17 2016

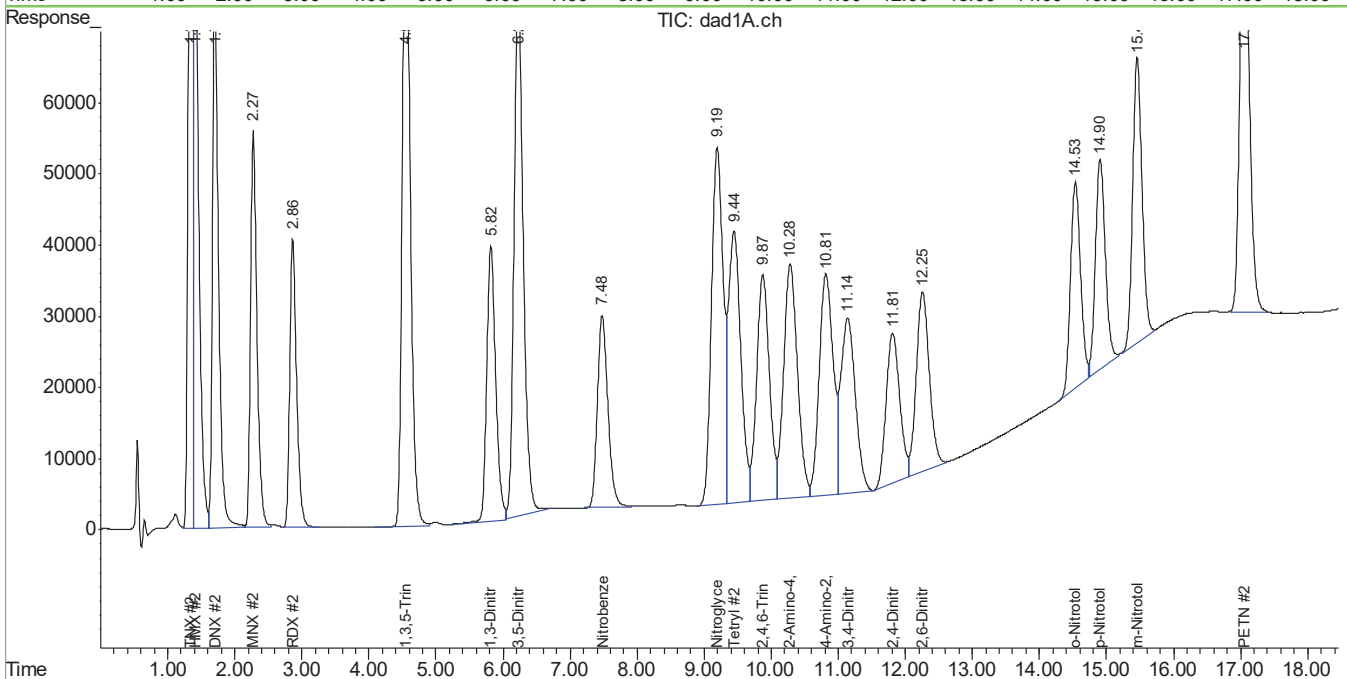
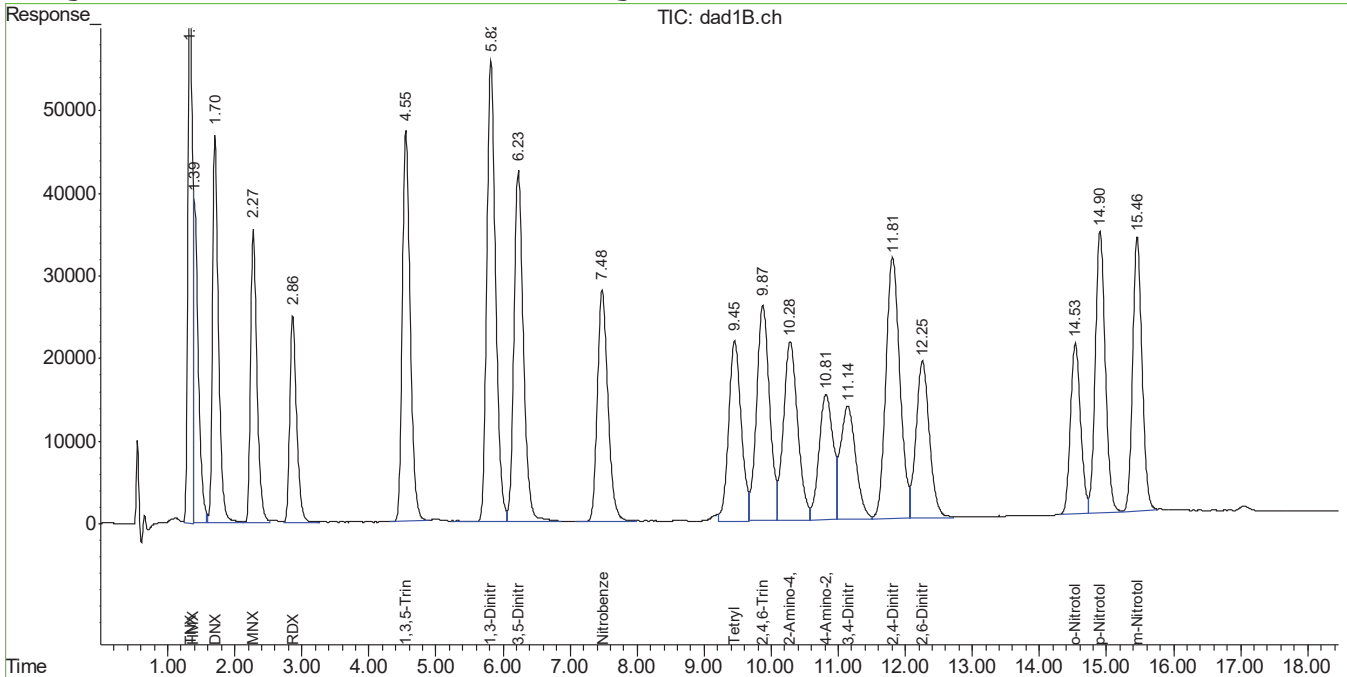
7.7.12
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050408.D\dad1B.ch Vial: 48
 Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050408.D\dad1A.ch
 Acq On : 16-Mar-2016, 16:19:48 Operator: kismet1
 Sample : cc1412-1000 Inst : G1315B
 Misc : op59696,GBB1424,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 17 7:22 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Mar 17 07:11:30 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.7.12
7

Manual Integration Approval Summary

Sample Number: GBB1424-CC1412 **Method:** SW846 8330B SCREEN
Lab FileID: BB050408.D **Analyst approved:** 03/17/16 09:20 Kismet Lugo
Injection Time: 03/16/16 16:19 **Supervisor approved:** 03/17/16 10:42 Mike Eger

Parameter	CAS	Sig#	R. T. (min.)	Reason
HMX	2691-41-0	1	1.39	Overlapping peak
3,5-Dinitroaniline	618-87-1	2	6.23	Poor instrument integration
Nitrobenzene	98-95-3	2	7.48	Poor instrument integration
Tetryl	479-45-8	1	9.45	Overlapping peak
o-Nitrotoluene	88-72-2	1	14.53	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.53	Poor instrument integration
p-Nitrotoluene	99-99-0	1	14.90	Poor instrument integration
p-Nitrotoluene	99-99-0	2	14.90	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.46	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.46	Poor instrument integration
PETN	78-11-5	2	17.05	Poor instrument integration

7.7.12.1
7

Manual Integrations
APPROVED
 (compounds with "m" flag)
Mike Eger
03/17/16 10:42

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050419.D\dad1B.ch Vial: 48
 Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050419.D\dad1A.ch
 Acq On : 16-Mar-2016, 21:00:13 Operator: kismet1
 Sample : cc1412-1000 Inst : G1315B
 Misc : op59696,GBB1424,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 17 07:12:18 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Mar 17 07:11:30 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.14	11.14	2150740	3744297	942.160	1001.560
	Spiked Amount	500.000	Range	69 - 134	Recovery	= 188.43%#	200.31%#

Target Compounds

1)	TNX	1.33	1.34	3014037	4306238	972.811m	948.320
2)	HMX	1.39	1.41	1790409	5106682	1024.056m	1045.627
3)	DNX	1.71	1.71	2884266	4657682	961.616	1002.474
4)	MNX	2.28	2.28	2351884	3686571	988.593	982.386
5)	RDX	2.86	2.86	1761891	2854712	962.621	991.114
6)	1,3,5-Trinitrobe	4.55	4.55	3826464	7557328	993.331	1002.865
7)	1,3-Dinitrobenze	5.82	5.82	5053180	3603880	996.621	1039.408
8)	3,5-Dinitroanili	6.23	6.22	4113144	6975583	909.685	931.495m
9)	Nitrobenzene	7.48	7.48	3089870	2943144	1033.593	1011.379m
10)	Nitroglycerin	0.00	9.19	0	5968890	N.D.	4869.316 #
11)	Tetryl	9.45	9.44	2879282	4941646	1077.482	1072.357
12)	2,4,6-Trinitroto	9.87	9.87	3502821	4209327	1039.596	1074.549
13)	2-Amino-4,6-Dini	10.28	10.28	3186735	4720871	1032.222	1137.988
14)	4-Amino-2,6-Dini	10.82	10.82	2178324	4397967	972.065	1037.468
16)	2,4-Dinitrotolue	11.81	11.81	4550280	2935743	989.665	1044.266
17)	2,6-Dinitrotolue	12.26	12.26	2634622	3411261	984.968	1044.477
18)	o-Nitrotoluene	14.54	14.54	2200291	2990816	1026.020	1057.957m
19)	p-Nitrotoluene	14.91	14.91	3597468	3027750	1041.315	1121.860m
20)	m-Nitrotoluene	15.46	15.46	3355862	3860990	1052.028	1079.191m
21)	PETN	0.00	17.04	0	5963342	N.D. d	4385.974m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050419.D 8330B_0224.M Thu Mar 17 08:55:28 2016

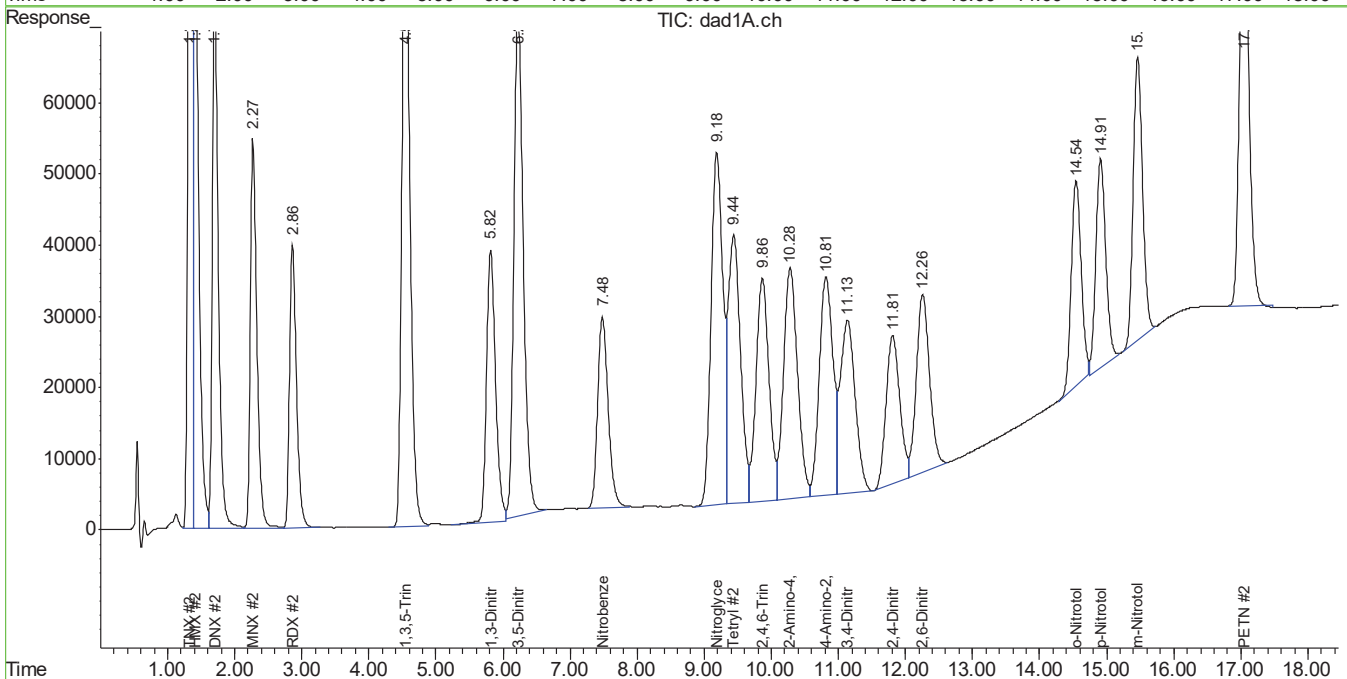
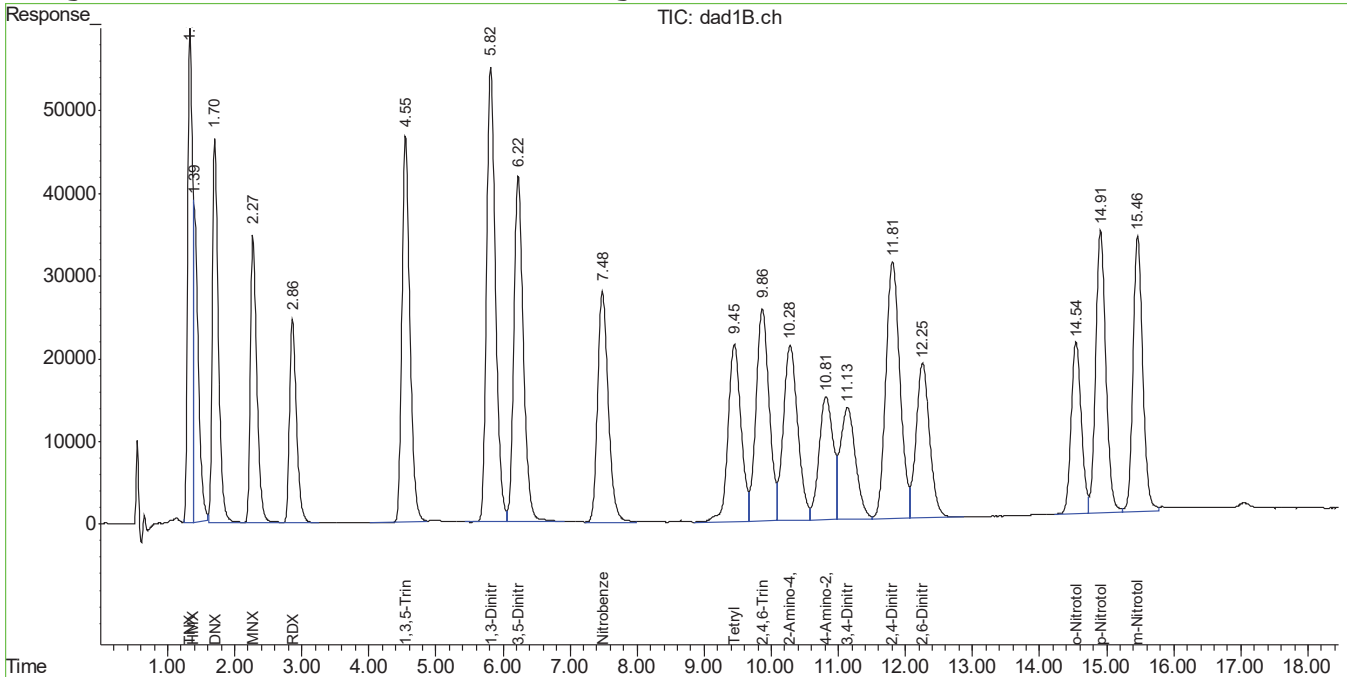
7.7.13
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050419.D\dad1B.ch Vial: 48
 Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050419.D\dad1A.ch
 Acq On : 16-Mar-2016, 21:00:13 Operator: kismet1
 Sample : cc1412-1000 Inst : G1315B
 Misc : op59696,GBB1424,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 17 7:24 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Mar 17 07:11:30 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



Manual Integration Approval Summary

Sample Number: GBB1424-CC1412 Method: SW846 8330B SCREEN
Lab FileID: BB050419.D Analyst approved: 03/17/16 09:20 Kismet Lugo
Injection Time: 03/16/16 21:00 Supervisor approved: 03/17/16 10:42 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
HMX	2691-41-0	1	1.39	Overlapping peak
3,5-Dinitroaniline	618-87-1	2	6.22	Poor instrument integration
Nitrobenzene	98-95-3	2	7.48	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.54	Poor instrument integration
p-Nitrotoluene	99-99-0	2	14.91	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.46	Poor instrument integration
PETN	78-11-5	2	17.04	Poor instrument integration

7.7.13.1

7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050430.D\dad1B.ch Vial: 48
 Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050430.D\dad1A.ch
 Acq On : 17-Mar-2016, 01:40:32 Operator: kismet1
 Sample : cc1412-1000 Inst : G1315B
 Misc : op59696,GBB1424,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 17 07:12:29 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Mar 17 07:11:30 2016
 Response via : Initial Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
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System Monitoring Compounds

15) S	3,4-Dinitrotolue	11.14	11.14	2152307	3755071	942.846	1004.276
	Spiked Amount	500.000	Range	69 - 134	Recovery	= 188.57%#	200.86%#

Target Compounds

1)	TNX	1.33	1.34	2842714	4303663	917.515m	947.752
2)	HMX	1.39	1.41	1742431	5091612	996.614m	1042.541
3)	DNX	1.70	1.70	2904309	4754702	968.299	1022.621
4)	MNX	2.28	2.28	2357053	3713301	990.766	989.509
5)	RDX	2.86	2.86	1758061	2861306	960.528	993.403
6)	1,3,5-Trinitrobe	4.55	4.54	3834488	7540484	995.414	1000.630
7)	1,3-Dinitrobenze	5.82	5.82	5051956	3592350	996.380	1036.083
8)	3,5-Dinitroanili	6.23	6.22	4120674	6944659	911.351	927.365m
9)	Nitrobenzene	7.49	7.48	3060654	2954492	1023.820	1015.279m
10)	Nitroglycerin	0.00	9.18	0	5952776	N.D.	4856.170 #
11)	Tetryl	9.45	9.44	2873109	4927587	1075.172	1069.306
12)	2,4,6-Trinitroto	9.86	9.86	3502415	4196345	1039.475	1071.235
13)	2-Amino-4,6-Dini	10.28	10.28	3176250	4702718	1028.991	1133.612
14)	4-Amino-2,6-Dini	10.82	10.82	2164559	4375786	965.922	1032.645
16)	2,4-Dinitrotolue	11.81	11.81	4531965	2927228	985.682	1041.238
17)	2,6-Dinitrotolue	12.26	12.26	2624177	3399350	981.063	1040.830
18)	o-Nitrotoluene	14.55	14.55	2161121	3000030	1007.754m	1061.216m
19)	p-Nitrotoluene	14.91	14.91	3503050	3050979	1013.985m	1130.467m
20)	m-Nitrotoluene	15.46	15.46	3222669	3834029	1010.274m	1071.655m
21)	PETN	0.00	17.04	0	5889859	N.D.	d 4331.928m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
 BB050430.D 8330B_0224.M Thu Mar 17 08:55:39 2016

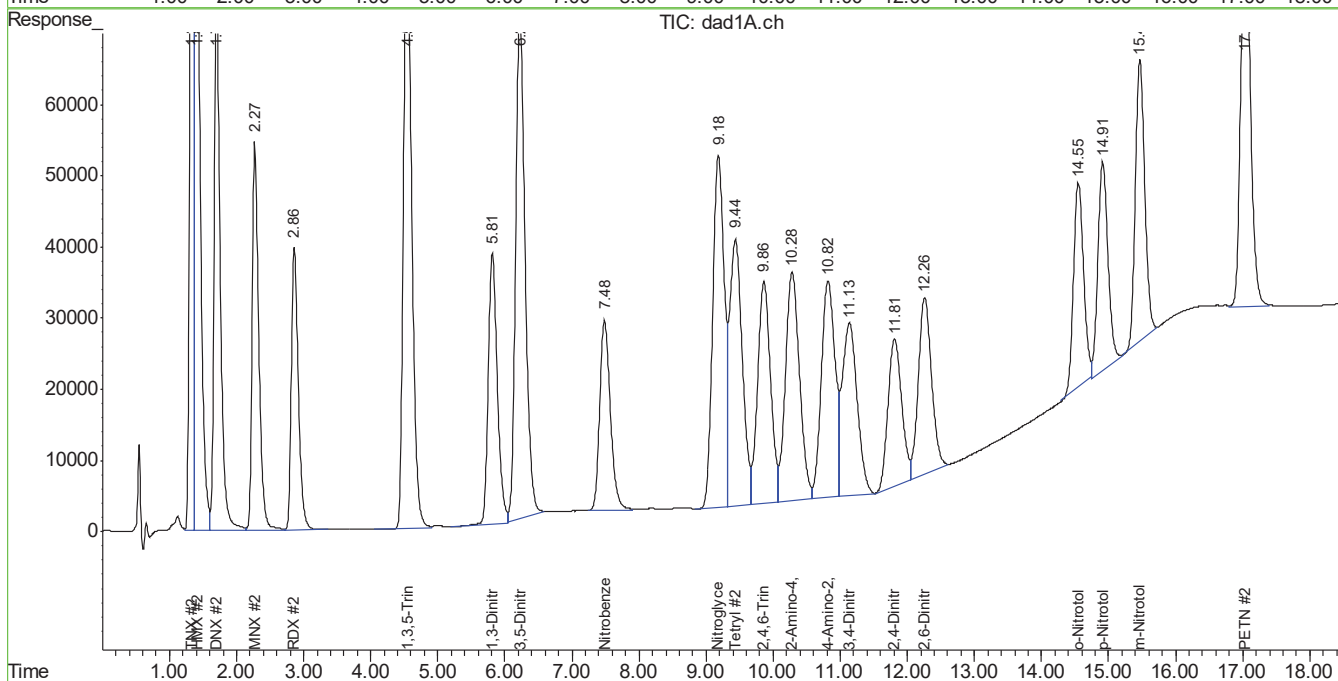
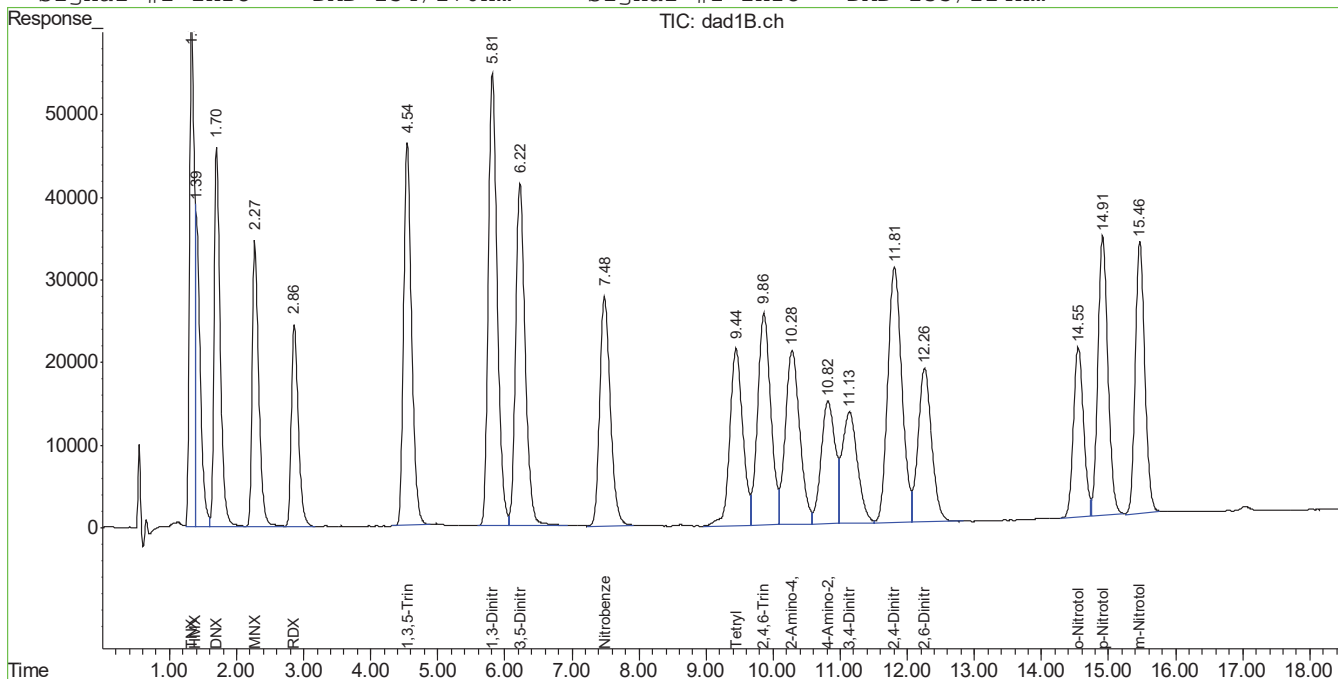
7.7.14
7

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\0316BPL\BB050430.D\dad1B.ch Vial: 48
 Signal #2 : C:\HPCHEM\1\DATA\0316BPL\BB050430.D\dad1A.ch
 Acq On : 17-Mar-2016, 01:40:32 Operator: kismet1
 Sample : cc1412-1000 Inst : G1315B
 Misc : op59696,GBB1424,10.0,,,50,1,soil Multiplr: 1.00
 IntFile Signal #1: events.e IntFile Signal #2: events2.e
 Quant Time: Mar 17 7:27 2016 Quant Results File: 8330B_0224.RES

Quant Method : D:\MSDCHEM\1\METHODS\8330B_0224.M (Chemstation Integrator)
 Title : Explosives by 8330A,8330B,8332
 Last Update : Thu Mar 17 07:11:30 2016
 Response via : Multiple Level Calibration
 DataAcq Meth : 8330B.M

Volume Inj. : 100ul
 Signal #1 Phase : Extend C-18 Signal #2 Phase: Extend C-18
 Signal #1 Info : DAD 254/270nm Signal #2 Info : DAD 235/214nm



7.7.14
7

Manual Integration Approval Summary

Sample Number: GBB1424-CC1412 Method: SW846 8330B SCREEN
Lab FileID: BB050430.D Analyst approved: 03/17/16 09:20 Kismet Lugo
Injection Time: 03/17/16 01:40 Supervisor approved: 03/17/16 10:42 Mike Eger

Parameter	CAS	Sig#	R.T. (min.)	Reason
HMX	2691-41-0	1	1.39	Overlapping peak
3,5-Dinitroaniline	618-87-1	2	6.22	Poor instrument integration
Nitrobenzene	98-95-3	2	7.48	Poor instrument integration
o-Nitrotoluene	88-72-2	1	14.55	Poor instrument integration
o-Nitrotoluene	88-72-2	2	14.55	Poor instrument integration
p-Nitrotoluene	99-99-0	1	14.91	Poor instrument integration
p-Nitrotoluene	99-99-0	2	14.91	Poor instrument integration
m-Nitrotoluene	99-08-1	1	15.46	Poor instrument integration
m-Nitrotoluene	99-08-1	2	15.46	Poor instrument integration
PETN	78-11-5	2	17.04	Poor instrument integration

7.7.14.1

7

ACCUTEST LABORATORIES SE

DATE: 02/24/16
 COLUMN TYPE: Ext CIP
 AMOUNT INJECTED: 1.00 µl
 INSTRUMENT: HPLC5-BB

HPLC5-BB ANALYSIS LOG

METHODS: 8330 A/B
 ACQ. METHOD: 8330 B
 PROC. METHOD: 8330 - A2D
 CALIB. DATE: 02/24/16
 RUN BATCH: GBB 1412

ANALYST: KA
 ACETONITRILE LOT #: 3106
 MEQH LOT #: 157312
 HEAD PRESSURE: 199

02/24/16
 0224

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	OP BATCH	DF	MANUALLY INTEGRATED PEAKS RATIONALE, PEAK #	COMMENTS
BB 049964	1	solvent	8330				ND
BB 65	2	CC1404-1000		LC650	1:1		PETN ↓
BB 66	11	IC1412-20			50+400% 50+500%	HMX-DMXOR P11	✓
BB 67	12	IC1412-50			10+390	↓	✓
BB 68	13	IC1412-100			25+475	↓	✓
BB 69	14	IC1412-200			50+430	↓	✓
BB 70	15	IC1412-500			3+1	↓	✓
BB 71	16	IC1412-1000			1:1	↓	✓
BB 72	17	IC1412-2000			IX	↓	✓ Para 10/21/11
BB 73	18	IC1412-500			*	↓	✓ Para 4/15/12
BB 74	11	CC1412-20		LC650	50+400% 50+500%		✓ Para 2/6/12
BB 75	3	FA31309-1		OP59394	IX	HMX-DMXOR ↓	✓ Para 2/6/12
BB 76	4	OP59394-MS			P11		✓ Para 2/6/12
BB 77	5	OP59394-MSD			P11		✓ Para 2/6/12
BB 78	6	FA31309-2			P11		✓ Para 2/6/12
BB 79	7	OP59394-dup					✓ Para 2/6/12
BB 80	8	OP59394-dup 2					✓ Para 2/6/12
BB 81	19	OP59454-b5		OP59454	IX	PDB	✓ Para 2/6/12
BB 82	20	OP59454-m6				P11	✓ Para 2/6/12
BB 83	21	FA31602-1					✓ Para 2/6/12

* For NELAC purposes, Method 8332 includes analytes by SOP GC020
 Manual Integration Rationale SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, P11 Poor Instrument Integration
 All strikeouts must be initiated and dated. If correction was not due to a transcription error, then list the reason for correction.

hplc5_bb_log.xls NF rev. 08/09

Analyst's Signature: *Kimmet*

ACCUTEST LABORATORIES SE
 DATE: ~~02/14/16~~ 03/15/16
 COLUMN TYPE: EXT CIP
 AMOUNT INJECTED: 1.00 ul
 INSTRUMENT: HPLC5-BB

HPLC5-BB ANALYSIS LOG

METHODS: 8330 A/B
 ACQ. METHOD: 8330 B
 PROC. METHOD: 8330-0224
 CALIB. DATE: 02/24/16
 RUN BATCH: GBB 1423

ANALYST: LC
 ACETONITRILE LOT #: 3106
 MEQH LOT #: 158731
 HEAD PRESSURE: 512

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	OP BATCH	DF	MANUALLY INTEGRATED PEAKS RATIONALE, PEAK #	COMMENTS
BB 050330	1	solvent	8330				
BB 31	2	CC1412-1000		LC656			ND
BB 32	41	FA871-22 E5381		E5381	1:1	TNX-AMX0851 P11	Pass, NO PESTW, with required
BB 33	42	CC1412-1000		LC658	1:1	TNX-AMX0851, P11	Pass
BB 34	43	OP59619-bs		OP59619	1X	PDX0851 P11	Pass
BB 35	44	OP59619-m6				P11	ND
BB 36	45	FA31932-4				P11	ND
BB 37	46	FA31884-30				P11	ND
BB 38	47	OP59710-bs		OP59710		P11	✓
BB 39	48	OP59710-bs bst				P11	✓
BB 40	49	OP59710-pt1				NGOP P11	✓
BB 41	50	OP59710-pt1 phc				P11	✓
BB 42	51	OP59710-m6				P11	ND
BB 43	52	FA31932-f				P11	ND
BB 44	42	CC1412-1000		LC658	1:1	TNX-AMX0851, P11	Pass
BB 45	1	celbo					ND
BB 46	53	FA31932-1		OP59710	1X	P11	ND
BB 47	54	OP59710-ms				P11	✓
BB 48	55	OP59710-wd1				P11	✓
BB 49	56	FA31932-5					ND

* For NELAC purposes, Method 8332 includes analytes by SOP GC020
 Manual Integration Rationale SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument Integration
 All strikeouts must be initialed and dated. If correction was not due to a transcription error, then list the reason for correction.

hplc5_bb_log.xls NF rev. 08/09

Analyst's Signature: Kimet Lye
 Page 92 of 100

ACCUTEST LABORATORIES SE

DATE: 03/15/16
 COLUMN TYPE: Ext C18
 AMOUNT INJECTED: 100 ul
 INSTRUMENT: HPLC5-BB

HPLC5-BB ANALYSIS LOG

METHODS*: 8330A/B
 ACQ. METHOD: 8330B
 PROC. METHOD: 8330-0224
 CALIB. DATE: 02/24/16
 RUN BATCH: GBB 1423

ANALYST: KU
 ACETONITRILE LOT #: 3106
 MEQH LOT #: 158731
 HEAD PRESSURE: 212

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	OP BATCH	DF	MANUALLY INTEGRATED PEAKS RATIONALE, PEAK #	COMMENTS
BB 050350	57	0P59710-dup	8330	0P59710	IX	P11	ND
BB 51	58	0P59710-dup2				P11	ND
BB 52	59	PA31932-9				P11	ND
BB 53	60	PA31932-14				P11	ND
BB 54	61	grind blk a					ND
BB 55	62	grind blk b					ND
BB 56	85	ce1412-1000					Pam
BB 57	63	grind blk c					ND
BB 58	64	0P59692-bx			IX	P11	✓
BB 59	65	0P59692-mb				P11	ND
BB 60	66	PA31928-1				P11	✓ Pam 100x
BB 61	67	PA31928-2				P11	✓
BB 62	68	PA31928-3				P11	✓
BB 63	69	PA31928-4				P11	ND
BB 64	70	PA31928-5				P11	✓
BB 65	71	PA31928-6				P11	ND
BB 66	72	PA31928-7				P11	ND
BB 67	85	ce1412-1000					Pam
BB 68	1	ce6					ND
BB 69	73	PA31928-f			IX	P11	✓

* For NELAC purposes, Method 8332 includes analytes by SOP GC020
 Manual Integration Rationale SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, P11 Poor Instrument Integration
 All strikeouts must be initialed and dated. If correction was not due to a transcription error, then list the reason for correction.

hplc5_bb_log.xls NF rev. 08/09

Analyst's Signature: Kimberly

ACCUTEST LABORATORIES SE

DATE: 03/15/16
 COLUMN TYPE: Ext C18
 AMOUNT INJECTED: 100 ul
 INSTRUMENT: HPLC5-BB

HPLC5-BB ANALYSIS LOG

METHODS*: 8330 A/B
 ACQ. METHOD: 8330 B
 PROC. METHOD: 8330-0224
 CALIB. DATE: 02/24/16
 RUN BATCH: GBB 1473

ANALYST: KL
 ACETONITRILE LOT #: 3106
 MEQH LOT #: 158731
 HEAD PRESSURE: 212

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	OP BATCH	DF	MANUALLY INTEGRATED PEAKS RATIONALE, PEAK #	COMMENTS
BB 050370	74	FA31928-9	8330	085969	IX	P11	✓
BB 71	75	FA31928-10				P11	ND
BB 72	76	FA31928-11				P11	ND
BB 73	77	FA31928-12				P11	ND
BB 74	78	FA31928-13				P11	ND
BB 75	79	FA31928-14				P11	ND
BB 76	80	FA31928-15				P11	ND
BB 77	81	FA31928-16				P11	ND
BB 78	82	FA31928-17				P11	ND
BB 79	85	CEL412-1000		LC658	1:1	TNX-AMX085, P11 det 0851	Pass
BB 80	1	cel					ND
BB 81	83	FA31928-18		085962	IX	P11	ND
BB 82	84	FA31928-19				P11	ND
BB 83	85	CEL412-1000		LC658	1:1	TNX-AMX085, P11	Pass
BB						11A	
BB						03/16/16	
BB							
BB							
BB							
BB							

* For NELAC purposes, Method 8332 includes analytes by SOP GC020
 Manual Integration Rationale SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument Integration
 All strikeouts must be initiated and dated. If correction was not due to a transcription error, then list the reason for correction.

Analyst's Signature: *Harriet Lyp*

ACCUTEST LABORATORIES SE

DATE: 03/16/16
 COLUMN TYPE: Ext C/B
 AMOUNT INJECTED: 100 ul
 INSTRUMENT: HPLC5-BB

HPLC5-BB ANALYSIS LOG

METHODS: 8330 A/B
 ACQ. METHOD: 8330 B
 PROC. METHOD: 8330-0224
 CALIB. DATE: 02/24/16
 RUN BATCH: GBB 1424

ANALYST: KK
 ACETONITRILE LOT #: 3106
 MECH LOT #: 158731
 HEAD PRESSURE: 219

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	OP BATCH	DF	MANUALLY INTEGRATED PEAKS RATIONALE, PEAK #	COMMENTS
BB 050384	1	solvent	8330				ND
BB 85	2	CC1412-1000					Pass
BB 86	3	OP59696-65		LC658	1:1	TNX-HMx0851, P11 Jet 0851	✓
BB 87	4	OP59696-M6		OP59696	1X	P11	ND
BB 88	5	FA31968-1					ND
BB 89	6	FA31968-2				P11	ND
BB 90	7	FA31968-3				P11	ND
BB 91	8	FA31968-4				P11	ND
BB 92	9	FA31968-5				P11	ND
BB 93	10	FA31968-6				P11	ND
BB 94	11	FA31968-7				P11	ND
BB 95	12	FA31968-9				P11	ND
BB 96	2	CC1412-1000		LC658	1:1	TNX-HMx0851, P11 Jet 0851	Pass
BB 97	1	ubs					ND
BB 98	13	FA31968-8		OP59696	1X	P11	✓ M50 X
BB 99	14	FA31968-10				P11	✓
BB 050400	15	FA31968-11				P11	NP
BB 01	16	FA31968-12				P11	ND
BB 02	17	FA31968-13				P11	ND
BB 03	18	FA31968-14				P11	ND

* For NELAC purposes, Method 8332 includes analytes by SOP GC020
 Manual Integration Rationale SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, P11 Poor Instrument Integration
 All strikeouts must be initiated and dated. If correction was not due to a transcription error, then list the reason for correction.

hplc5_bb_log.xls NF rev. 08/09

Analyst's Signature: *Kimberly*

ACCUTEST LABORATORIES SE

DATE: 03/16/16
 COLUMN TYPE: Ext CD
 AMOUNT INJECTED: 100 ul
 INSTRUMENT: HPLC5-BB

HPLC5-BB ANALYSIS LOG

METHODS*: 8330A-B
 ACQ. METHOD: 8330 B
 PROC. METHOD: 8330 - 0224
 CALIB. DATE: 02/24/16
 RUN BATCH: GBB 1424

ANALYST: UC
 ACETONITRILE LOT #: 3106
 MEQH LOT #: 158731
 HEAD PRESSURE: 214

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	OP BATCH	DF	MANUALLY INTEGRATED PEAKS RATIONALE, PEAK #	COMMENTS
BB 050404	19	FA31968-15	8330	OP59696	1X	P11	ND
BB 05	20	FA31968-16				P11	ND
BB 06	21	FA31968-17				P11	ND
BB 07	22	FA31968-18				P11	ND
BB 08	48	CE1412-1000		LC658	1:1	TNX-HMBOPS1, P11	Pass
BB 09	1	CE6					ND
BB 10	23	FA31968-19		OP59696	1X		ND
BB 11	24	FA31928-2		OP59692	101990	P11	✓
BB 12	25	OP59713-b5		OP59713	1X	P11	✓
BB 13	26	OP59713-pt1				P11 NG-08	✓
BB 14	27	OP59713-pt1ph				P11	✓
BB 15	28	OP59713-mb				P11	ND
BB 16	29	FA31932-17				P11	ND
BB 17	30	FA31932-20				P11	ND
BB 18	31	FA31932-26				P11	ND
BB 19	48	CE1412-1000		LC658	1:1	TNX-HMBOPS1, P11	Pass
BB 20	1	CE6					ND
BB 21	32	FA31932-23		OP59713	1X		ND
BB 22	33	OP59713-MS				P11	✓
BB 23	34	OP59713-MSd				P11	✓

* For NELAC purposes, Method 8332 includes analytes by SOP GC020 Manual Integration Rationale SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument Integration All strikeouts must be initialed and dated. If correction was not due to a transcription error, then list the reason for correction.

hplc5_bb_log.xls NF rev. 08/09

Analyst's Signature: *Kimul Jy*

ACCUTEST LABORATORIES SE

DATE: 03/16/16
 COLUMN TYPE: EXT CLR
 AMOUNT INJECTED: 100 ul
 INSTRUMENT: HPLC5-BB

HPLC5-BB ANALYSIS LOG

METHODS: 8330 A/B
 ACQ. METHOD: 8330 B
 PROC. METHOD: 8330-0224
 CALIB. DATE: 02/24/16
 RUN BATCH: GBB 1424

ANALYST: UK
 ACETONITRILE LOT #: 3106
 MEQH LOT #: 158731
 HEAD PRESSURE: 214

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	OP BATCH	DF	MANUALLY INTEGRATED PEAKS RATIONALE, PEAK #	COMMENTS
BB 050424	35	FA3193229	8330	0P59713	1X	P11	/
BB 25	36	0P59713-dup				P11	ND
BB 26	37	0P59713-dup2					ND
BB 27	38	grind b/c a					ND
BB 28	39	grind b/c b					ND
BB 29	40	grind b/c c					ND
BB 30	41	cc1412-1000		UC658	1:1	TNX-HWOOD, P11	Pass
BB 31	1	cc6					ND
BB 32	41	0P59695-b1		0P59695	1X	NDXORS1 P11	/
BB 33	42	0P59695-mb					ND
BB 34	43	FA32067-1				P08B	/
BB 35	44	0P59695-m8				P11	/
BB 36	45	0P59695-m8d				P11	/
BB 37	46	FA32067-2				P11	/
BB 38	47	FA32067-3				P11	/
BB 39	48	ecc1412-1000		UC658	1:1	TNX-HWOOD P11	RETW ↓ not required
BB						UK	
BB						03/17/16	
BB							
BB							

* For NELAC purposes, Method 8332 includes analytes by SOP GC020
 Manual Integration Rationale SOP QAD29; MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument Integration
 All strikeouts must be initialed and dated. If correction was not due to a transcription error, then list the reason for correction.

hplc5_bb_log.xls NF rev. 08/09

Analyst's Signature: *Kimberly*

SGS ACCUTEST - ORLANDO

SPE LIQUID SAMPLE PREP REPORT

Date/Time: 03/08/16 0830
 Started (mm/dd/yy 24:00)

Prep Method: 3535A or Method (circle)

Date/Time: 03/08/16 1400
 Finished (mm/dd/yy 24:00)

Analytical Method: 8330B

Batch#: OP59619 Ext. By: MB Conc. By: — Viald By: ADUPRO5 MB
MB 03/08/16

Sample ID	Bottle Number	Amount Extracted (ml)	Initial pH	Adjusted pH	Surrogate Amount	Spike Amount	Final Volume (ml)	Comments
OP59619 MB	X	1000	6	N/A	250ul		10ml	
OP59619 BS	X	1000	↓	↓	↓	25+25+250ul	↓	
FA31932-4	1	1060	↓	↓	↓		↓	
FA31884-30	1	1050	↓	↓	↓		↓	
<i>MB 03/08/16</i>								
MS								
MSD								
DUP								

Comments:

Surr.1 ID: E5311F Conc: 20ppm Exp. Date: 06/07/16 Inj. By: MB Ver. By: MU
 Surr.2 ID: E5370 Conc: 20ppm Exp. Date: 08/29/16 Inj. By: MB Ver. By: MU
 Spk.1 ID: 7803B Conc: 1000ug/ml Exp. Date: 02/16/17 Inj. By: MB Ver. By: MU
 Spk.2 ID: 7740C Conc: 1000ug/ml Exp. Date: 02/16/17 Inj. By: MB Ver. By: MU

Initial Bath Temp (Therm ID): — Exchange Bath/N-Evap Temp (Therm ID): —
 Observed Temp °C: — Corr. Temp °C: — Observed Temp °C: — Corr. Temp °C: —

Methanol Lot # — SPE Lot # S24-0060 pH Paper # 226015
 Acetonitrile Lot # 155771 SPE Lot # — Reagent # —
 Water Lot# BOTTLE H2O Syringe Filter Lot# — Solvent # —

Relinquished By: [Signature]
 Accepted By: [Signature]

Date: 03/08/16
 Date: —

SGS ACCUTEST - ORLANDO

EXP SAMPLE PREP REPORT

Prep Method: 8330A, 8332/8330B or Method (circle)

Date/Time: 03/14/16 1630
 Started (mm/dd/yy 24:00)

Therm. ID: Corr. Factor (±°C):
 Bath Temp. (High) °C: / / {obs/corr}

Date/Time: 03/15/16 1100
 Finished (mm/dd/yy 24:00)

Ultrasonic Bath ID (8330A or 8332):
 Shaker Table ID (8330B): ST2

Batch#: OP59710 Ext. By: MB Viald By: MB Balance ID: ADUPRO8

Sample ID	Bottle Number	Amount Extracted (g)	Surrogate Amount	Spike Amount	Final Volume (ml)	Comments
OP59710 MB	X	10.0	1.25ml		50ml	
OP59710 BS		10.0		1.25ml		
FA31932-1	1	10.3				
-5	1	10.1				
-8	1	10.0				
-9	1	10.0				
-14	1	10.1				
GRINDING BLANK	A	10.0	-			
	B	10.1	-			
	C	10.0	-			
MB 03/15/16						
OP59710 PT-1	A	10.0	1.25ml		50ml	7786A
FA31932-1 MS	1	10.1		1.25ml		
-1 MSD	1	10.1				
FA31932-5 DUP	1	10.0				
-5 TRP	1	10.0				

Comments:

Surr. ID: <u>E5311L</u>	Conc: <u>20ppm</u>	Exp. Date: <u>06/07/16</u>	Inj. By: <u>MB</u>	Ver. By: <u>MB</u>
Spk.1 ID: <u>E5370</u>	Conc: <u>20ppm</u>	Exp. Date: <u>08/29/16</u>	Inj. By: <u>MB</u>	Ver. By: <u>MB</u>
Spk.2 ID: <u>77485</u>	Conc: <u>1000 µg/ml</u>	Exp. Date: <u>03/11/17</u>	Inj. By: <u>MB</u>	Ver. By: <u>MB</u>

Acetonitrile Lot # <u>155768</u>	Methanol Lot # <u> </u>	Water Lot# <u>150396</u> HPLC
Syringe Filter Lot# <u>130925007</u>	Reagent # <u>CS1</u>	Reagent # <u> </u>

Relinquished By: [Signature]
 Accepted By: [Signature]

Date: 03/15/16
 Date: 03/15/16

7.9.2
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SGS ACCUTEST - ORLANDO

EXP SAMPLE PREP REPORT

Prep Method: 8330A, 8332, 8330B or Method (circle)

Date/Time: 03/15/16 1600
 Started (mm/dd/yy 24:00)

Therm. ID: _____ Corr. Factor (±°C): _____
 Bath Temp. (High) °C: 1 {obs/corr}

Date/Time: 03/16/16 1130
 Finished (mm/dd/yy 24:00)

Ultrasonic Bath ID (8330A or 8332): _____
 Shaker Table ID (8330B): STA

Batch#: OP59713 Ext. By: MB Viald By: MB Balance ID: ADUPROB

Sample ID	Bottle Number	Amount Extracted (g)	Surrogate Amount	Spike Amount	Final Volume (ml)	Comments
OP59713 MB	X	10.0	1.25ml		50ml	
OP59713 BS	X	10.0		1.25ml		
FA31932-2	1	10.2				
-6	1	10.7				
-10	1	10.3				
-11	1	10.09				
-15	1	10.1				
-17	1	10.0				
-18	1	10.6				
-20	1	10.1				
-21	1	10.04				
-23	1	10.1				
-24	1	10.09				
-25	1	10.0				
-27	1	10.0				
-29	1	10.1				
-30	1	10.17				
-3	1	10.0				
-7	1	10.1				
-12	1	10.1				
-13	1	10.0				
OP59713 T-1	X	10.0				77864
FA31932-23 MS	1	10.0	1.25ml	1.25ml		
-23 MSD	1	10.1				
FA31932-29 DUP	1	10.0				
-29 TRP	1	10.0				

Comments: Grinding Blanks A, B, C NO SYRR.

Surr. ID: <u>E5381A</u>	Conc: <u>20 ppm</u>	Exp. Date: <u>05/31/16</u>	Inj. By: <u>MB</u>	Ver. By: <u>MB</u>
Spk.1 ID: <u>E5370</u>	Conc: <u>20 ppm</u>	Exp. Date: <u>08/29/16</u>	Inj. By: <u>MB</u>	Ver. By: <u>MB</u>
Spk.2 ID: <u>7348E</u>	Conc: <u>1000 µg/ml</u>	Exp. Date: <u>03/15/13</u>	Inj. By: <u>MB</u>	Ver. By: <u>MB</u>

Acetonitrile Lot # <u>155768</u>	Methanol Lot # <u>—</u>	Water Lot# <u>158396 HPLC</u>
Syringe Filter Lot# <u>130125007</u>	Reagent # <u>CSI</u>	Reagent # <u>—</u>

Relinquished By: [Signature]
 Accepted By: [Signature]

Date: 03/16/16
 Date: 03/16/16

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Metals Analysis

QC Data Summaries



Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31932
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13017
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:14	MA13017-STD1	1		STDA
09:18	MA13017-STD2	1		STDB
09:22	MA13017-STD3	1		STDC
09:26	MA13017-STD4	1		STDD
09:33	MA13017-HSTD1	1		
09:40	MA13017-ICV1	1		
09:47	MA13017-ICB1	1		
09:59	MA13017-CR1A1	1		
10:09	MA13017-ICSA1	1		
10:16	MA13017-ICSAB1	1		
10:22	MA13017-CCV1	1		
10:30	MA13017-CCB1	1		
10:37	ZZZZZZ	10		
10:41	ZZZZZZ	5		
10:46	ZZZZZZ	10		
10:50	ZZZZZZ	5		
10:55	ZZZZZZ	10		
10:59	FA31719-1	10		(sample used for QC only; not part of login FA31932)
11:03	MP30074-D1	10		
11:08	MP30074-S1	10		
11:12	MP30074-S2	10		
11:16	MP30074-PS1	10		
11:21	MA13017-CCV2	1		
11:25	MA13017-CCB2	1		
11:29	MP30074-SD1	50		
11:34	ZZZZZZ	20		
11:38	ZZZZZZ	10		
11:42	ZZZZZZ	4		
11:47	MP30074-D2	10		
11:52	MP30076-MB1	1		
11:56	MP30076-B1	1		
12:00	FA31919-1	1		(sample used for QC only; not part of login FA31932)
12:05	MP30076-D1	1		

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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31932
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030816M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 03/08/16
Run ID: MA13017
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:09	MP30076-SD1	5		
12:14	MA13017-CCV3	1		
12:18	MA13017-CCB3	1		
12:22	MP30076-PS1	1		
12:27	MP30076-S1	1		
12:31	MP30076-S2	1		
12:35	ZZZZZZ	1		
12:39	ZZZZZZ	1		
12:44	ZZZZZZ	1		
12:48	ZZZZZZ	1		
12:53	ZZZZZZ	1		
12:57	ZZZZZZ	1		
13:02	ZZZZZZ	1		
13:06	MA13017-CCV4	1		
13:10	MA13017-CCB4	1		
13:15	ZZZZZZ	1		
13:19	ZZZZZZ	1		
13:28	ZZZZZZ	1		
13:33	ZZZZZZ	1		
13:37	ZZZZZZ	1		
13:41	FA31932-4	1		
----->	Last reportable sample/prep for job FA31932			
13:46	ZZZZZZ	1		
13:50	ZZZZZZ	1		
13:55	ZZZZZZ	1		
13:59	MA13017-CCV5	1		
14:03	MA13017-CCB5	1		
14:08	ZZZZZZ	1		
14:12	ZZZZZZ	1		
14:17	MP30078-MB1	1		
14:21	MP30078-B1	1		
14:25	MP30078-B2	1		
14:30	ZZZZZZ	1		
14:34	MA13017-CRIA2	1		

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8

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31932
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13017
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:39	MA13017-ICSA2	1		
14:43	MA13017-ICSAB2	1		
14:48	MA13017-CCV6	1		
15:06	MA13017-CCB6	1		

-----> Last reportable CCB for job FA31932
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA31932
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13017
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:14	MA13017-STD1	5827	43250	3414	3013
09:18	MA13017-STD2	5747	42230	3395	2797
09:22	MA13017-STD3	5491	40597	3336	2527
09:26	MA13017-STD4	5274	40023	3356	2314
09:33	MA13017-HSTD1	5307	39284	3234	2331
09:40	MA13017-ICV1	5446	40018	3227	2493
09:47	MA13017-ICB1	5831 R	43107 R	3410 R	3006 R
09:59	MA13017-CRIA1	5753	42659	3410	2863
10:09	MA13017-ICSA1	5143	36581	3116	2275
10:16	MA13017-ICSAB1	5096	36586	3096	2221
10:22	MA13017-CCV1	5598	40728	3261	2543
10:30	MA13017-CCB1	5849	42689	3221	3017
10:37	ZZZZZZ	5888	43197	3316	2938
10:41	ZZZZZZ	5627	40975	3326	2735
10:46	ZZZZZZ	5664	40722	3224	2746
10:50	ZZZZZZ	5583	40761	3239	2757
10:55	ZZZZZZ	5647	41216	3241	2740
10:59	FA31719-1	5837	43454	3357	2945
11:03	MP30074-D1	5904	43468	3339	2974
11:08	MP30074-S1	5874	43190	3311	2901
11:12	MP30074-S2	5863	43180	3284	2908
11:16	MP30074-PS1	5833	43676	3336	2936
11:21	MA13017-CCV2	5506	41055	3259	2519
11:25	MA13017-CCB2	5832	43355	3342	3003
11:29	MP30074-SD1	5888	43662	3313	3006
11:34	ZZZZZZ	5850	43559	3276	3000
11:38	ZZZZZZ	5824	43664	3326	2963
11:42	ZZZZZZ	8290 !	60816 !	4902 !	2484
11:47	MP30074-D2	5800	43071	3243	2943
11:52	MP30076-MB1	5820	43469	3224	2998
11:56	MP30076-B1	5565	41259	3209	2641
12:00	FA31919-1	5775	43140	3283	2824
12:05	MP30076-D1	5756	42867	3247	2830

8.1.1
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INTERNAL STANDARD SUMMARY

Login Number: FA31932
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13017
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:09	MP30076-SD1	5794	43562	3227	2960
12:14	MA13017-CCV3	5454	41069	3208	2527
12:18	MA13017-CCB3	5752	43625	3298	2997
12:22	MP30076-PS1	5678	42451	3250	2758
12:27	MP30076-S1	5558	41423	3199	2598
12:31	MP30076-S2	5551	41395	3220	2581
12:35	ZZZZZZ	5480	41349	3230	2703
12:39	ZZZZZZ	5538	41106	3174	2749
12:44	ZZZZZZ	5504	41015	3163	2725
12:48	ZZZZZZ	5587	42050	3263	2796
12:53	ZZZZZZ	5589	41552	3250	2730
12:57	ZZZZZZ	5524	40643	3154	2689
13:02	ZZZZZZ	5615	41682	3224	2786
13:06	MA13017-CCV4	5425	40273	3147	2511
13:10	MA13017-CCB4	5806	43723	3281	3005
13:15	ZZZZZZ	5589	41663	3223	2726
13:19	ZZZZZZ	5512	40868	3177	2687
13:28	ZZZZZZ	5683	43048	3200	2952
13:33	ZZZZZZ	5590	42042	3222	2796
13:37	ZZZZZZ	5590	41681	3203	2792
13:41	FA31932-4	5586	41570	3165	2792
13:46	ZZZZZZ	5354	40189	3192	2628
13:50	ZZZZZZ	5391	40754	3173	2710
13:55	ZZZZZZ	5359	40084	3134	2632
13:59	MA13017-CCV5	5437	40133	3107	2516
14:03	MA13017-CCB5	5704	42703	3143	2981
14:08	ZZZZZZ	5732	42926	3319	2734
14:12	ZZZZZZ	5633	42127	3197	2787
14:17	MP30078-MB1	5731	43630	3206	2997
14:21	MP30078-B1	5522	41115	3161	2639
14:25	MP30078-B2	5507	41235	3163	2645
14:30	ZZZZZZ	5690	43055	3242	2941
14:34	MA13017-CRIA2	5570	41599	3135	2830

8.1.1
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INTERNAL STANDARD SUMMARY

Login Number: FA31932
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13017
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:39	MA13017-ICSA2	4947	36087	2896	2232
14:43	MA13017-ICSAB2	4916	36595	2920	2199
14:48	MA13017-CCV6	5370	41078	3127	2516
15:06	MA13017-CCB6	5603	42297	3130	2931

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

<u>Istd#</u>	<u>Parameter</u>	<u>Limits</u>
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

8.1.1
8

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31932
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030816M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/08/16
 Run ID: MA13017

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:		09:47 ICB1		10:30 CCB1		11:25 CCB2		12:18 CCB3	
	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	14	anr							
Antimony	6.0	1	anr							
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2	anr							
Cadmium	4.0	.2	anr							
Calcium	1000	50	anr							
Chromium	10	1	anr							
Cobalt	50	.2	anr							
Copper	25	1	anr							
Iron	300	17	anr							
Lead	5.0	1	0.30	<20	0.40	<20	0.40	<5.0	0.0	<5.0
Magnesium	5000	35	anr							
Manganese	15	.5	anr							
Molybdenum	50	.3	anr							
Nickel	40	.4	anr							
Potassium	10000	200	anr							
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500	anr							
Strontium	10	.5	anr							
Thallium	10	1.1	anr							
Tin	50	.9	anr							
Titanium	10	.5	anr							
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

8.1.2
8

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31932
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
 QC Limits: result < RL Run ID: MA13017 Units: ug/l

Metal	Time:		13:10		14:03		15:06		
	Sample ID:	RL	IDL	CCB4	final	CCB5	final	CCB6	final
Aluminum		200	14						
Antimony		6.0	1	anr					
Arsenic		10	1.3	anr					
Barium		200	1	anr					
Beryllium		4.0	.2						
Cadmium		4.0	.2	anr					
Calcium		1000	50	anr					
Chromium		10	1	anr					
Cobalt		50	.2						
Copper		25	1	anr					
Iron		300	17	anr					
Lead		5.0	1	0.60	<5.0	1.0	<5.0	0.30	<5.0
Magnesium		5000	35	anr					
Manganese		15	.5	anr					
Molybdenum		50	.3	anr					
Nickel		40	.4						
Potassium		10000	200						
Selenium		10	2.4	anr					
Silver		10	.7	anr					
Sodium		10000	500	anr					
Strontium		10	.5						
Thallium		10	1.1						
Tin		50	.9	anr					
Titanium		10	.5						
Vanadium		50	.5						
Zinc		20	3	anr					

(*) Outside of QC limits
 (anr) Analyte not requested

8.1.2
 8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31932
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13017 Units: ug/l

Metal	Time: Sample ID: ICV	09:40		CCV True	10:22		CCV True	11:21	
		ICV1 Results	% Rec		CCV1 Results	% Rec		CCV2 Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	2010	100.5	2000	1980	99.0	2000	2000	100.0
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium	anr								
Thallium	anr								
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

8.1.3
8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31932
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13017 Units: ug/l

Metal	Sample ID	Time: CCV True	12:14 CCV3		13:06 CCV4		13:59 CCV5		
			Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	2000	1980	99.0	2000	1990	99.5	2000	1990	99.5
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin	anr								
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

8.1.3
8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31932
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13017 Units: ug/l

Time:	14:48		
Sample ID:	CCV6		
Metal	True	Results	% Rec

Aluminum			
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt			
Copper	anr		
Iron	anr		
Lead	2000	1980	99.0
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel			
Potassium			
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium			
Tin	anr		
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

8.1.3
8

HIGH STANDARD CHECK SUMMARY

Login Number: FA31932
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13017 Units: ug/l

Time:	09:33		
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	4000	4000	100.0
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium	anr		
Thallium	anr		
Tin	anr		
Titanium	anr		
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

8.1.4
8

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA31932
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13017 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	09:59 CRIA1 Results	% Rec	14:34 CRIA2 Results	% Rec
Metal						
Aluminum	400	200	anr			
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	5.2	104.0	5.1	102.0
Magnesium	10000	5000	anr			
Manganese	30	15	anr			
Molybdenum	100	50	anr			
Nickel	80	40	anr			
Potassium	20000	10000	anr			
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10	anr			
Thallium	20	10	anr			
Tin	100	50	anr			
Titanium	20	10	anr			
Vanadium	100	50	anr			
Zinc	40	20	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

8.1.5
8

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA31932
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030816M1.ICP Date Analyzed: 03/08/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13017 Units: ug/l

Time:	10:09	10:16	14:39	14:43						
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2						
Metal	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum	500000	500000	482000	96.4	506000	101.2	504000	100.8	534000	106.8
Antimony		1000	1.2		1020	102.0	2.2		1060	106.0
Arsenic		1000	0.0		1080	108.0	0.0		1120	112.0
Barium		500	0.0		513	102.6	0.70		580	116.0
Beryllium		500	0.20		517	103.4	0.10		574	114.8
Cadmium		1000	0.0		963	96.3	-0.20		1040	104.0
Calcium	500000	500000	474000	94.8	494000	98.8	490000	98.0	501000	100.2
Chromium		500	0.50		520	104.0	0.40		538	107.6
Cobalt		500	0.0		473	94.6	0.10		530	106.0
Copper		500	1.1		551	110.2	0.50		588	117.6
Iron	200000	200000	178000	89.0	191000	95.5	184000	92.0	193000	96.5
Lead		1000	0.10		963	96.3	-4.4		1020	102.0
Magnesium	500000	500000	508000	101.6	533000	106.6	514000	102.8	523000	104.6
Manganese		500	0.70		522	104.4	0.50		552	110.4
Molybdenum		1000	0.0		928	92.8	0.10		994	99.4
Nickel		1000	0.0		957	95.7	-0.10		1030	103.0
Potassium			686		99.8		770		81.7	
Selenium		1000	-0.10		1020	102.0	-1.1		1060	106.0
Silver		1000	0.0		1060	106.0	-0.70		1120	112.0
Sodium			739		174		765		156	
Strontium		1000	0.50		1020	102.0	0.20		1030	103.0
Thallium		1000	1.7		960	96.0	2.3		964	96.4
Tin		1000	2.9 (a)		930	93.0	3.2		942	94.2
Titanium		1000	0.40		1020	102.0	0.50		1010	101.0
Vanadium		500	0.0		474	94.8	0.60		498	99.6
Zinc		1000	0.10		970	97.0	-1.5		1040	104.0

(*) Outside of QC limits
(anr) Analyte not requested
(a) Verified trace level impurity.

8.1.6
8

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31932
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB041216M1.ICP Date Analyzed: 04/12/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13088
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:18	MA13088-STD1	1		STDA
08:34	MA13088-STD2	1		STDB
08:37	MA13088-STD3	1		STDC
08:40	MA13088-STD4	1		STDD
08:44	MA13088-HSTD1	1		
08:56	MA13088-ICV1	1		
09:05	MA13088-ICB1	1		
09:08	MA13088-CR1A1	1		
09:13	MA13088-ICSA1	1		
09:21	MA13088-ICSAB1	1		
09:28	MA13088-CCV1	1		
09:37	MA13088-CCB1	1		
09:41	ZZZZZZ	2		
09:45	ZZZZZZ	2		
09:49	ZZZZZZ	2		
09:53	ZZZZZZ	2		
09:57	ZZZZZZ	2		
10:02	ZZZZZZ	10		
10:06	ZZZZZZ	4		
10:10	MA13088-CCV2	1		
10:14	MA13088-CCB2	1		
12:07	MA13088-CCV3	1		
12:15	MA13088-CCB3	1		
12:23	MP30231-MB1	1		
12:32	MP30231-B1	1		
12:36	FA32924-3	1		(sample used for QC only; not part of login FA31932)
12:40	MP30231-D1	1		
12:44	MP30231-SD1	5		
12:48	MP30231-PS1	1		
12:52	MP30231-S1	1		
12:56	MP30231-S2	1		
13:00	ZZZZZZ	1		
13:04	MA13088-CCV4	1		

8.2
8

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31932
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB041216M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 04/12/16
Run ID: MA13088
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:08	MA13088-CCB4	1		
13:12	ZZZZZZ	1		
13:16	ZZZZZZ	1		
13:21	ZZZZZZ	1		
13:25	ZZZZZZ	1		
13:29	ZZZZZZ	1		
13:33	ZZZZZZ	1		
13:37	ZZZZZZ	1		
13:41	ZZZZZZ	1		
13:45	ZZZZZZ	1		
13:49	ZZZZZZ	1		
13:53	MA13088-CCV5	1		
13:57	MA13088-CCB5	1		
14:26	MA13088-ICV2	1		
14:33	MA13088-CCV6	1		
14:38	MA13088-CCB6	1		
14:49	ZZZZZZ	1		
14:53	ZZZZZZ	1		
14:57	ZZZZZZ	1		
15:01	ZZZZZZ	1		
15:05	ZZZZZZ	1		
15:09	ZZZZZZ	1		
15:14	ZZZZZZ	1		
15:18	ZZZZZZ	1		
15:22	MP30232-MB1	1		
15:26	MP30232-B1	1		
15:30	MA13088-CCV7	1		
15:34	MA13088-CCB7	1		
15:38	FA32955-11	5		(sample used for QC only; not part of login FA31932)
15:42	MP30232-D1	5		
15:46	MP30232-SD1	25		
15:50	MP30232-PS1	5		
15:54	MP30232-S1	5		

8.2
8

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31932
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB041216M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 04/12/16
Run ID: MA13088
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:58	MP30232-S2	5		
16:02	ZZZZZZ	5		
16:07	ZZZZZZ	5		
16:11	ZZZZZZ	5		
16:15	ZZZZZZ	5		
16:20	MA13088-CCV8	1		
16:24	MA13088-CCB8	1		
16:28	ZZZZZZ	5		
16:32	ZZZZZZ	5		
16:36	ZZZZZZ	5		
16:40	ZZZZZZ	5		
16:45	ZZZZZZ	5		
16:49	ZZZZZZ	5		
16:53	ZZZZZZ	5		
16:58	ZZZZZZ	5		
17:02	ZZZZZZ	5		
17:06	ZZZZZZ	5		
17:11	MA13088-CCV9	1		
17:15	MA13088-CCB9	1		
17:19	ZZZZZZ	5		
17:23	ZZZZZZ	5		
17:28	ZZZZZZ	5		
17:32	ZZZZZZ	5		
17:36	ZZZZZZ	5		
17:40	MP30234-MB1	5		
17:44	MP30234-B1	5		
17:48	FA31884-1A	5		(sample used for QC only; not part of login FA31932)
17:52	MP30234-D1	5		
17:57	MP30234-D2	5		
18:01	MA13088-CCV10	1		
18:04	MA13088-CCB10	1		
18:09	MP30234-SD1	25		
18:13	MP30234-PS1	5		

8.2
8

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31932
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB041216M1.ICP Date Analyzed: 04/12/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13088
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:17	MP30234-S1	5		
18:21	MP30234-S2	5		
18:25	ZZZZZZ	5		
18:29	ZZZZZZ	5		
18:33	ZZZZZZ	5		
18:37	ZZZZZZ	5		
18:41	ZZZZZZ	5		
18:45	ZZZZZZ	5		
18:49	MA13088-CCV11	1		
18:53	MA13088-CCB11	1		
18:57	ZZZZZZ	5		
19:01	ZZZZZZ	5		
19:05	ZZZZZZ	5		
19:10	FA31932-1A	5		
19:14	FA31932-5A	5		
19:18	FA31932-14A	5		
19:22	FA31932-17A	5		
19:26	FA31932-20A	5		
19:30	FA31932-23A	5		
19:34	FA31932-26A	5		
19:38	MA13088-CCV12	1		
19:42	MA13088-CCB12	1		
19:46	FA31932-29A	5		
----->	Last reportable sample/prep for job FA31932			
19:50	MA13088-CRIA2	1		
19:54	MA13088-ICSA2	1		
19:59	MA13088-ICSAB2	1		
20:03	MA13088-CCV13	1		
20:07	MA13088-CCB13	1		
----->	Last reportable CCB for job FA31932			
	Refer to raw data for calibration curve and standards.			

8.2
8

INTERNAL STANDARD SUMMARY

Login Number: FA31932
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB041216M1.ICP Date Analyzed: 04/12/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13088
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:18	MA13088-STD1	4760	34207	5708	1791
08:34	MA13088-STD2	4795	35127	5832	1814
08:37	MA13088-STD3	4654	34632	5662	1755
08:40	MA13088-STD4	4532	34735	5662	1697
08:44	MA13088-HSTD1	4507	34315	5709	1690
08:56	MA13088-ICV1	4646	34682	5683	1759
09:05	MA13088-ICB1	4737 R	34147 R	5811 R	1780 R
09:08	MA13088-CR1A1	4855	34970	5802	1828
09:13	MA13088-ICSA1	4457	33395	5516	1743
09:21	MA13088-ICSAB1	4455	33474	5552	1722
09:28	MA13088-CCV1	4664	34754	5707	1763
09:37	MA13088-CCB1	4731	34311	5741	1789
09:41	ZZZZZZ	4823	35053	5881	1906
09:45	ZZZZZZ	4875	35492	5931	1904
09:49	ZZZZZZ	4871	35559	5927	1907
09:53	ZZZZZZ	4957	35835	5968	1926
09:57	ZZZZZZ	4909	35781	5923	1953
10:02	ZZZZZZ	4743	35217	5678	1792
10:06	ZZZZZZ	4829	35457	5753	1808
10:10	MA13088-CCV2	4676	34630	5682	1759
10:14	MA13088-CCB2	4737	34219	5626	1782
12:07	MA13088-CCV3	4580	34431	5567	1738
12:15	MA13088-CCB3	4712	34172	5613	1781
12:23	MP30231-MB1	4706	34254	5630	1765
12:32	MP30231-B1	4726	34636	5549	1791
12:36	FA32924-3	4747	34487	5616	1801
12:40	MP30231-D1	4759	34528	5637	1807
12:44	MP30231-SD1	4773	34032	5662	1788
12:48	MP30231-PS1	4771	34377	5585	1795
12:52	MP30231-S1	4733	34410	5571	1791
12:56	MP30231-S2	4737	34152	5666	1780
13:00	ZZZZZZ	4781	33997	5596	1787
13:04	MA13088-CCV4	4661	34106	5490	1739

8.2.1
8

INTERNAL STANDARD SUMMARY

Login Number: FA31932
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB041216M1.ICP Date Analyzed: 04/12/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13088
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:08	MA13088-CCB4	4736	33335	5498	1762
13:12	ZZZZZZ	4804	34086	5586	1791
13:16	ZZZZZZ	4784	33867	5523	1788
13:21	ZZZZZZ	4782	33948	5515	1794
13:25	ZZZZZZ	4858	34159	5541	1799
13:29	ZZZZZZ	4808	34370	5574	1796
13:33	ZZZZZZ	4783	33789	5535	1764
13:37	ZZZZZZ	4848	34255	5546	1797
13:41	ZZZZZZ	4870	34664	5576	1786
13:45	ZZZZZZ	4860	34385	5587	1803
13:49	ZZZZZZ	4841	34071	5545	1788
13:53	MA13088-CCV5	4722	33862	5474	1741
13:57	MA13088-CCB5	4854	33381	5502	1775
14:26	MA13088-ICV2	4717	33856	5397	1739
14:33	MA13088-CCV6	4734	33538	5444	1739
14:38	MA13088-CCB6	4780	32831	5339	1742
14:49	ZZZZZZ	4841	33222	5458	1771
14:53	ZZZZZZ	4913	33787	5518	1779
14:57	ZZZZZZ	4846	33468	5498	1767
15:01	ZZZZZZ	4874	33873	5488	1778
15:05	ZZZZZZ	4899	33946	5521	1781
15:09	ZZZZZZ	5225	37434	5954	1677
15:14	ZZZZZZ	4862	33404	5525	1772
15:18	ZZZZZZ	4888	33651	5512	1805
15:22	MP30232-MB1	4843	33118	5439	1758
15:26	MP30232-B1	4813	33678	5449	1778
15:30	MA13088-CCV7	4719	33738	5443	1737
15:34	MA13088-CCB7	4813	33054	5430	1759
15:38	FA32955-11	4805	33640	5343	1776
15:42	MP30232-D1	4838	33847	5390	1788
15:46	MP30232-SD1	4868	33647	5488	1790
15:50	MP30232-PS1	4808	33664	5414	1769
15:54	MP30232-S1	4808	33597	5359	1763

8.2.1
8

INTERNAL STANDARD SUMMARY

Login Number: FA31932
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB041216M1.ICP Date Analyzed: 04/12/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13088
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:58	MP30232-S2	4799	33383	5330	1757
16:02	ZZZZZZ	4714	33476	5379	1686
16:07	ZZZZZZ	4790	33648	5317	1754
16:11	ZZZZZZ	4768	33751	5320	1745
16:15	ZZZZZZ	4782	33528	5261	1747
16:20	MA13088-CCV8	4729	33434	5422	1729
16:24	MA13088-CCB8	4790	32876	5391	1748
16:28	ZZZZZZ	4433	31699	5053	1568
16:32	ZZZZZZ	4883	34269	5316	1787
16:36	ZZZZZZ	4758	33392	5230	1731
16:40	ZZZZZZ	4772	33435	5196	1729
16:45	ZZZZZZ	4779	33167	5142	1718
16:49	ZZZZZZ	4776	33193	5150	1721
16:53	ZZZZZZ	4522	31599	5114	1550
16:58	ZZZZZZ	4358	30570	4985	1477
17:02	ZZZZZZ	4059	28905	4871	1331
17:06	ZZZZZZ	4253	30282	4898	1355
17:11	MA13088-CCV9	4708	32873	5268	1707
17:15	MA13088-CCB9	4881	32548	5414	1743
17:19	ZZZZZZ	4193	29835	4944	1357
17:23	ZZZZZZ	4468	31248	4995	1474
17:28	ZZZZZZ	4293	30369	4925	1394
17:32	ZZZZZZ	4683	32664	5241	1630
17:36	ZZZZZZ	4729	32973	5219	1651
17:40	MP30234-MB1	4812	32325	5240	1723
17:44	MP30234-B1	4858	32758	5247	1754
17:48	FA31884-1A	5025	33853	5483	1797
17:52	MP30234-D1	5013	34019	5453	1802
17:57	MP30234-D2	4971	33611	5428	1788
18:01	MA13088-CCV10	4720	33075	5204	1715
18:04	MA13088-CCB10	4795	32491	5267	1725
18:09	MP30234-SD1	4877	32913	5418	1770
18:13	MP30234-PS1	4968	33766	5418	1780

8.2.1
8

INTERNAL STANDARD SUMMARY

Login Number: FA31932
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB041216M1.ICP Date Analyzed: 04/12/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13088
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:17	MP30234-S1	5038	34018	5409	1807
18:21	MP30234-S2	4971	33861	5372	1783
18:25	ZZZZZZ	5011	33854	5453	1795
18:29	ZZZZZZ	5014	33635	5462	1795
18:33	ZZZZZZ	4966	33392	5381	1788
18:37	ZZZZZZ	5102	34726	5429	1798
18:41	ZZZZZZ	4980	33897	5360	1787
18:45	ZZZZZZ	4971	33793	5350	1794
18:49	MA13088-CCV11	4758	33246	5254	1730
18:53	MA13088-CCB11	4790	32287	5196	1725
18:57	ZZZZZZ	4979	33494	5424	1782
19:01	ZZZZZZ	5097	34434	5521	1802
19:05	ZZZZZZ	5132	34940	5512	1809
19:10	FA31932-1A	4911	33231	5261	1784
19:14	FA31932-5A	4878	33148	5299	1768
19:18	FA31932-14A	4932	33477	5384	1790
19:22	FA31932-17A	5052	34350	5463	1794
19:26	FA31932-20A	5036	34525	5415	1782
19:30	FA31932-23A	4948	33697	5366	1805
19:34	FA31932-26A	4987	34161	5454	1783
19:38	MA13088-CCV12	4687	33060	5262	1710
19:42	MA13088-CCB12	4789	32516	5200	1742
19:46	FA31932-29A	4965	34022	5405	1797
19:50	MA13088-CRIA2	4914	33718	5332	1786
19:54	MA13088-ICSA2	4531	32010	5084	1713
19:59	MA13088-ICSAB2	4496	32099	5175	1684
20:03	MA13088-CCV13	4687	33530	5327	1719
20:07	MA13088-CCB13	4724	32445	5205	1726

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31932
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB041216M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/12/16
 Run ID: MA13088

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:		09:05 ICB1		09:37 CCB1		10:14 CCB2		12:15 CCB3	
	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	14	anr							
Antimony	6.0	1	anr							
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2	anr							
Cadmium	5.0	.2	anr							
Calcium	1000	50	anr							
Chromium	10	1	anr							
Cobalt	50	.2	anr							
Copper	25	1	anr							
Iron	300	17	anr							
Lead	5.0	1	-0.10	<5.0	-1.3	<5.0	-0.60	<5.0	0.20	<5.0
Magnesium	5000	35	anr							
Manganese	15	.5	anr							
Molybdenum	50	.3								
Nickel	40	.4	anr							
Potassium	10000	200	anr							
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.1	anr							
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

8.2.2
 8

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31932
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB041216M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/12/16
 Run ID: MA13088

Methods: SW846 6010C
 Units: ug/l

Metal	RL	IDL	Time:							
			Sample ID:	13:08	13:57	14:38	15:34			
			raw	final	raw	final	raw	final	raw	final
Aluminum	200	14	anr							
Antimony	6.0	1	anr							
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2	anr							
Cadmium	5.0	.2	anr							
Calcium	1000	50	anr							
Chromium	10	1	anr							
Cobalt	50	.2	anr							
Copper	25	1	anr							
Iron	300	17	anr							
Lead	5.0	1	-0.20	<5.0	-1.0	<5.0	-1.1	<5.0	-1.0	<5.0
Magnesium	5000	35	anr							
Manganese	15	.5	anr							
Molybdenum	50	.3								
Nickel	40	.4	anr							
Potassium	10000	200	anr							
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.1	anr							
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

8.2.2
 8

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31932
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB041216M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/12/16
 Run ID: MA13088

Methods: SW846 6010C
 Units: ug/l

Metal	RL	IDL	16:24	final	17:15	final	18:04	final	18:53	final
			CCB8 raw		CCB9 raw		CCB10 raw		CCB11 raw	
Aluminum	200	14	anr							
Antimony	6.0	1	anr							
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2	anr							
Cadmium	5.0	.2	anr							
Calcium	1000	50	anr							
Chromium	10	1	anr							
Cobalt	50	.2	anr							
Copper	25	1	anr							
Iron	300	17	anr							
Lead	5.0	1	-0.50	<5.0	-0.60	<5.0	-1.1	<5.0	-0.40	<5.0
Magnesium	5000	35	anr							
Manganese	15	.5	anr							
Molybdenum	50	.3								
Nickel	40	.4	anr							
Potassium	10000	200	anr							
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.1	anr							
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

8.2.2
 8

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31932
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB041216M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/12/16
 Run ID: MA13088

Methods: SW846 6010C
 Units: ug/l

Metal	RL	IDL	Time:			
			Sample ID:	19:42	20:07	
			CCB12	raw	final	CCB13
				raw	final	raw
						final
Aluminum	200	14	anr			
Antimony	6.0	1	anr			
Arsenic	10	1.3	anr			
Barium	200	1	anr			
Beryllium	4.0	.2	anr			
Cadmium	5.0	.2	anr			
Calcium	1000	50	anr			
Chromium	10	1	anr			
Cobalt	50	.2	anr			
Copper	25	1	anr			
Iron	300	17	anr			
Lead	5.0	1	-0.70	<5.0	-1.9	<5.0
Magnesium	5000	35	anr			
Manganese	15	.5	anr			
Molybdenum	50	.3				
Nickel	40	.4	anr			
Potassium	10000	200	anr			
Selenium	10	2.4	anr			
Silver	10	.7	anr			
Sodium	10000	500	anr			
Strontium	10	.5				
Thallium	10	1.1	anr			
Tin	50	.9				
Titanium	10	.5				
Vanadium	50	.5	anr			
Zinc	20	3	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

8.2.2
 8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31932
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB041216M1.ICP Date Analyzed: 04/12/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13088 Units: ug/l

Metal	Time: Sample ID: ICV	08:56		CCV True	09:28		CCV True	10:10	
		ICV1 Results	% Rec		CCV1 Results	% Rec		CCV2 Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	2000	100.0	2000	1990	99.5	2000	2000	100.0
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

8.2.3
8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31932
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB041216M1.ICP Date Analyzed: 04/12/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13088 Units: ug/l

Metal	Sample ID:	CCV True	12:07 CCV3		13:04 CCV4		13:53 CCV5		
			Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	2030	101.5	2000	2060	103.0	2000	2080	104.0
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

8.2.3
8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31932
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB041216M1.ICP Date Analyzed: 04/12/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13088 Units: ug/l

Metal	Time: Sample ID: ICV	14:26		CCV True	14:33		CCV True	15:30	
		ICV2	Results		% Rec	CCV6		Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	2000	100.0	2000	1990	99.5	2000	1990	99.5
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

8.2.3
8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31932
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB041216M1.ICP Date Analyzed: 04/12/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13088 Units: ug/l

Metal	Time: Sample ID: CCV True	16:20 CCV8		CCV True	17:11 CCV9		CCV True	18:01 CCV10	
		Results	% Rec		Results	% Rec		Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	2010	100.5	2000	2040	102.0	2000	2030	101.5
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

8.2.3
8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31932
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB041216M1.ICP Date Analyzed: 04/12/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13088 Units: ug/l

Metal	Sample ID	CCV	18:49		19:38		20:03			
			CCV11	Results	CCV12	Results	CCV13	Results		
		True		% Rec	True	% Rec	True	% Rec		
Aluminum	anr									
Antimony	anr									
Arsenic	anr									
Barium	anr									
Beryllium	anr									
Cadmium	anr									
Calcium	anr									
Chromium	anr									
Cobalt	anr									
Copper	anr									
Iron	anr									
Lead	2000	2020	2020	101.0	2000	2050	102.5	2000	2020	101.0
Magnesium	anr									
Manganese	anr									
Molybdenum										
Nickel	anr									
Potassium	anr									
Selenium	anr									
Silver	anr									
Sodium	anr									
Strontium										
Thallium	anr									
Tin										
Titanium										
Vanadium	anr									
Zinc	anr									

(*) Outside of QC limits
(anr) Analyte not requested

8.2.3
8

HIGH STANDARD CHECK SUMMARY

Login Number: FA31932
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB041216M1.ICP Date Analyzed: 04/12/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13088 Units: ug/l

Time:	08:44		
Sample ID:	HSTD1		
Metal	HSTD True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	4000	4050	101.3
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

8.2.4
8

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA31932
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB041216M1.ICP Date Analyzed: 04/12/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13088 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	09:08 CRIA1 Results	% Rec	19:50 CRIA2 Results	% Rec
Metal						
Aluminum	400	200	anr			
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	5.2	104.0	4.5	90.0
Magnesium	10000	5000	anr			
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	anr			
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	anr			
Zinc	40	20	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

8.2.5
 8

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA31932
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB041216M1.ICP Date Analyzed: 04/12/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13088 Units: ug/l

Time:	ICSA	ICSAB	09:13		09:21		19:54		19:59	
Sample ID:	True	True	ICSAB1	% Rec	ICSAB1	% Rec	ICSAB2	% Rec	ICSAB2	% Rec
Metal			Results		Results		Results		Results	
Aluminum	500000	500000	498000	99.6	495000	99.0	505000	101.0	499000	99.8
Antimony		1000	0.0		1040	104.0	0.50		1030	103.0
Arsenic		1000	-0.10		1080	108.0	0.70		1080	108.0
Barium		500	-0.10		513	102.6	0.20		517	103.4
Beryllium		500	0.0		488	97.6	0.10		486	97.2
Cadmium		1000	0.50		971	97.1	-0.20		981	98.1
Calcium	500000	500000	485000	97.0	479000	95.8	480000	96.0	465000	93.0
Chromium		500	-0.80		505	101.0	-1.1		500	100.0
Cobalt		500	-0.40		493	98.6	-0.30		496	99.2
Copper		500	0.20		546	109.2	0.40		548	109.6
Iron	200000	200000	185000	92.5	182000	91.0	183000	91.5	178000	89.0
Lead		1000	0.30		946	94.6	-4.4		956	95.6
Magnesium	500000	500000	510000	102.0	511000	102.2	502000	100.4	496000	99.2
Manganese		500	0.0		506	101.2	-0.40		505	101.0
Molybdenum		1000	0.10		978	97.8	0.90		983	98.3
Nickel		1000	0.0		995	99.5	0.40		994	99.4
Potassium			279		222		287		240	
Selenium		1000	-0.40		1010	101.0	1.0		1010	101.0
Silver		1000	-0.60		966	96.6	-0.10		956	95.6
Sodium			221		208		297		280	
Strontium		1000	0.0		1020	102.0	0.50		1040	104.0
Thallium		1000	0.0		991	99.1	1.8		1000	100.0
Tin		1000	-0.20		993	99.3	0.10		989	98.9
Titanium		1000	-1.1		1020	102.0	-0.60		1030	103.0
Vanadium		500	0.30		473	94.6	0.70		472	94.4
Zinc		1000	-1.6		955	95.5	-1.7		966	96.6

(*) Outside of QC limits
(anr) Analyte not requested

8.2.6
8

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA31932
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30076
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/08/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	14	14		
Antimony	6.0	1	1		
Arsenic	10	1.3	1.3		
Barium	200	1	1		
Beryllium	4.0	.2	.2		
Cadmium	5.0	.2	.2		
Calcium	1000	50	50		
Chromium	10	1	1		
Cobalt	50	.2	.2		
Copper	25	1	1		
Iron	300	17	17		
Lead	5.0	1	1.1	1.1	<5.0
Magnesium	5000	35	35		
Manganese	15	.5	1		
Molybdenum	50	.3	.3		
Nickel	40	.4	.4		
Potassium	10000	200	200		
Selenium	10	2.4	2.9		
Silver	10	.7	.7		
Sodium	10000	500	500		
Strontium	10	.5	.5		
Thallium	10	1.1	1.4		
Tin	50	.9	1		
Titanium	10	.5	1		
Vanadium	50	.5	.6		
Zinc	20	3	4.4		

Associated samples MP30076: FA31932-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

8.3.1
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31932
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30076
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/08/16 03/08/16

Metal	FA31919-1 Original	DUP	RPD	QC Limits	FA31919-1 Original MS	Spikelot MPFLICP2 % Rec	QC Limits		
Aluminum									
Antimony	anr								
Arsenic									
Barium	anr								
Beryllium									
Cadmium									
Calcium	anr								
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	0.0	0.0	NC	0-20	0.0	514	500	102.8	80-120
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel									
Potassium									
Selenium									
Silver									
Sodium	anr								
Strontium									
Thallium									
Tin	anr								
Titanium									
Vanadium									
Zinc	anr								

Associated samples MP30076: FA31932-4

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

8.3.2
 8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31932
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30076
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/08/16

Metal	FA31919-1 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit		
Aluminum						
Antimony	anr					
Arsenic						
Barium	anr					
Beryllium						
Cadmium						
Calcium	anr					
Chromium	anr					
Cobalt						
Copper	anr					
Iron	anr					
Lead	0.0	518	500	103.6	0.8	20
Magnesium	anr					
Manganese	anr					
Molybdenum	anr					
Nickel						
Potassium						
Selenium						
Silver						
Sodium	anr					
Strontium						
Thallium						
Tin	anr					
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP30076: FA31932-4

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

8.3.2
 8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA31932
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30076
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/08/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony	anr			
Arsenic				
Barium	anr			
Beryllium				
Cadmium				
Calcium	anr			
Chromium	anr			
Cobalt				
Copper	anr			
Iron	anr			
Lead	518	500	103.6	80-120
Magnesium	anr			
Manganese	anr			
Molybdenum	anr			
Nickel				
Potassium				
Selenium				
Silver				
Sodium	anr			
Strontium				
Thallium				
Tin	anr			
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP30076: FA31932-4

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

8.3.3
 8

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA31932
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30076
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/08/16

Metal	FA31919-1	Original	SDL 1:5	%DIF	QC Limits
Aluminum					
Antimony	anr				
Arsenic					
Barium	anr				
Beryllium					
Cadmium					
Calcium	anr				
Chromium	anr				
Cobalt					
Copper	anr				
Iron	anr				
Lead	0.00	0.00	NC		0-10
Magnesium	anr				
Manganese	anr				
Molybdenum	anr				
Nickel					
Potassium					
Selenium					
Silver					
Sodium	anr				
Strontium					
Thallium					
Tin	anr				
Titanium					
Vanadium					
Zinc	anr				

Associated samples MP30076: FA31932-4

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

8.3.4
8

POST DIGESTATE SPIKE SUMMARY

Login Number: FA31932
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30076
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date:

03/08/16

Metal	Sample ml	Final ml	FA31919-1 Raw	PS Corr.** ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	9.8	10		48.7	0.2	2.5	50	97.4	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP30076: FA31932-4

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (**) Corr. sample result = Raw * (sample volume / final volume)
 (anr) Analyte not requested

8.3.5
8

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA31932
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30234
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 04/12/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.4	3.5		
Antimony	2.0	.1	.13		
Arsenic	1.0	.13	.2		
Barium	20	.1	.1		
Beryllium	0.50	.02	.05		
Cadmium	0.40	.02	.05		
Calcium	500	5	5		
Chromium	1.0	.1	.1		
Cobalt	5.0	.02	.05		
Copper	2.5	.1	.1		
Iron	30	1.7	1.7		
Lead	2.0	.1	.1	-0.074	<2.0
Magnesium	500	3.5	3.6		
Manganese	1.5	.05	.05		
Molybdenum	5.0	.03	.05		
Nickel	4.0	.04	.05		
Potassium	1000	20	20		
Selenium	2.0	.24	.24		
Silver	1.0	.07	.082		
Sodium	1000	50	50		
Strontium	1.0	.05	.05		
Thallium	1.0	.11	.11		
Tin	5.0	.09	.09		
Titanium	1.0	.05	.05		
Vanadium	5.0	.05	.05		
Zinc	2.0	.3	.3		

Associated samples MP30234: FA31932-1A, FA31932-5A, FA31932-14A, FA31932-17A, FA31932-20A, FA31932-23A, FA31932-26A, FA31932-29A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

8.4.1
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31932
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30234
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/12/16 04/12/16

Metal	FA31884-1A		QC Limits	FA31884-1A		QC Limits
	Original	DUP		Original	DUP	
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead	159	141	12.0	0-20	159 146	8.5 0-20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP30234: FA31932-1A, FA31932-5A, FA31932-14A, FA31932-17A, FA31932-20A, FA31932-23A, FA31932-26A, FA31932-29A

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

8.4.2
 8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31932
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30234
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/12/16

Metal	FA31884-1A Original MS	Spikelot MPFLICP2 % Rec	QC Limits
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead	159 157	9.56	-20.9(a) 80-120
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

Associated samples MP30234: FA31932-1A, FA31932-5A, FA31932-14A, FA31932-17A, FA31932-20A, FA31932-23A, FA31932-26A, FA31932-29A

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

8.4.2
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31932
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30234
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/12/16

Metal	FA31884-1A Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	159 152	9.92	-70.5(a) 3.2	20
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30234: FA31932-1A, FA31932-5A, FA31932-14A, FA31932-17A, FA31932-20A, FA31932-23A, FA31932-26A, FA31932-29A

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

8.4.2
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA31932
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30234
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/12/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	10.1	10	101.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30234: FA31932-1A, FA31932-5A, FA31932-14A, FA31932-17A, FA31932-20A, FA31932-23A, FA31932-26A, FA31932-29A

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

8.4.3
 8

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA31932
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30234
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 04/12/16

Metal	FA31884-1A	QC
	Original SDL 5:25 %DIF	Limits

Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	8320	8240	1.0	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30234: FA31932-1A, FA31932-5A, FA31932-14A, FA31932-17A, FA31932-20A, FA31932-23A, FA31932-26A, FA31932-29A

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

8.4.4
8

POST DIGESTATE SPIKE SUMMARY

Login Number: FA31932
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30234
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date:

04/12/16

Metal	Sample ml	Final ml	FA31884-1A Raw	PS Corr.**	ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead	9.8	10	8322	8155.56	8426	0.2	2.5	50	540.9*(a)	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP30234: FA31932-1A, FA31932-5A, FA31932-14A, FA31932-17A, FA31932-20A, FA31932-23A, FA31932-26A, FA31932-29A

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(**) Corr. sample result = Raw * (sample volume / final volume)

(anr) Analyte not requested

(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

8.4.5
8

Instrument Detection Limits

Job Number: FA31932
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1	Effective Date: 01/27/15
-------------------------	--------------------------

Analyte	IDL ug/l
Aluminum	14
Antimony	1
Arsenic	1.3
Barium	1
Beryllium	.2
Cadmium	.2
Calcium	50
Chromium	1
Cobalt	.2
Copper	1
Iron	17
Lead	1
Magnesium	35
Manganese	.5
Molybdenum	.3
Nickel	.4
Potassium	200
Selenium	2.4
Silicon	5
Silver	.7
Sodium	500
Strontium	.5
Sulfur	5
Thallium	1.1
Tin	.9
Titanium	.5
Vanadium	.5
Zinc	3

The above applies to the following instrument runs:
MA13017

8.5
8

Instrument Detection Limits

Job Number: FA31932
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE2	Effective Date: 01/27/15
-------------------------	--------------------------

Analyte	IDL ug/l
Aluminum	14
Antimony	1
Arsenic	1.3
Barium	1
Beryllium	.2
Cadmium	.2
Calcium	50
Chromium	1
Cobalt	.2
Copper	1
Iron	17
Lead	1
Magnesium	35
Manganese	.5
Molybdenum	.3
Nickel	.4
Potassium	200
Selenium	2.4
Silicon	5
Silver	.7
Sodium	500
Strontium	.5
Sulfur	5
Thallium	1.1
Tin	.9
Titanium	.5
Vanadium	.5
Zinc	3

The above applies to the following instrument runs:
MA13088

8.5
8

Instrument Linear Ranges

Job Number: FA31932
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1

Effective Date: 08/13/13

Analyte	Linear Range ug/l
Aluminum	500000
Antimony	10000
Arsenic	10000
Barium	10000
Beryllium	10000
Cadmium	10000
Calcium	500000
Chromium	10000
Cobalt	10000
Copper	10000
Iron	500000
Lead	10000
Magnesium	500000
Manganese	10000
Molybdenum	10000
Nickel	10000
Potassium	80000
Selenium	10000
Silver	1000
Sodium	80000
Strontium	10000
Sulfur	10000
Thallium	10000
Tin	10000
Titanium	10000
Vanadium	10000
Zinc	10000

The above applies to the following instrument runs:
MA13017

8.5
8

Instrument Linear Ranges

Job Number: FA31932
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE2 Effective Date: 10/22/10

Analyte	Linear Range ug/l
Aluminum	500000
Antimony	10000
Arsenic	10000
Barium	10000
Beryllium	10000
Cadmium	10000
Calcium	500000
Chromium	10000
Cobalt	10000
Copper	10000
Iron	500000
Lead	10000
Magnesium	500000
Manganese	10000
Molybdenum	10000
Nickel	10000
Potassium	80000
Selenium	10000
Silver	1000
Sodium	80000
Strontium	10000
Thallium	10000
Tin	10000
Titanium	10000
Vanadium	10000
Zinc	10000

The above applies to the following instrument runs:
MA13088

8.5
8

Metals Analysis

Raw Data

Sample Name: Blank Acquired: 3/8/2016 9:14:04 Type: Cal
Method: 60102007_042011(v909) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0002	-0.0003	-0.0006	.0011	.0002	.0020	-0.0011	-0.0006	-0.0001
Stddev	.0002	.0009	.0000	.0026	.0009	.0003	.0001	.0002	.0002
%RSD	97.92	289.1	2.784	238.0	603.1	13.87	8.930	39.16	126.5
#1	.0000	-0.0013	-0.0006	-0.0019	-0.0006	.0024	-0.0012	-0.0003	-0.0002
#2	.0004	.0001	-0.0006	.0027	.0012	.0019	-0.0010	-0.0007	.0001
#3	.0002	.0003	-0.0006	.0024	-0.0002	.0018	-0.0011	-0.0008	-0.0002

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0016	.0012	-0.0073	.0000	.0006	.0011	-0.0204	-0.0001	-0.0003
Stddev	.0001	.0004	.0029	.000	.0001	.0000	.0048	.0001	.0002
%RSD	3.775	31.13	39.36	308.3	8.686	3.419	23.60	88.79	64.67
#1	.0015	.0013	-0.0090	-0.0001	.0007	.0011	-0.0240	-0.0002	-0.0005
#2	.0015	.0015	-0.0089	-0.0001	.0006	.0010	-0.0223	-0.0001	-0.0003
#3	.0016	.0008	-0.0040	.0001	.0005	.0011	-0.0149	.0000	-0.0001

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0006	-0.0008	.0005	.0003	.0018	.0014	-0.0008	-0.0007	.0009
Stddev	.0001	.0002	.0001	.0001	.0008	.0001	.0001	.0001	.0003
%RSD	15.41	25.39	2.085	35.80	45.03	4.743	15.37	10.64	28.29
#1	.0007	-0.0009	.0056	.0004	.0010	.0014	-0.0010	-0.0008	.0012
#2	.0005	-0.0006	.0055	.0002	.0018	.0015	-0.0008	-0.0006	.0008
#3	.0007	-0.0008	.0054	.0002	.0026	.0015	-0.0008	-0.0008	.0008

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3012.9	5827.3	4325.0	3413.8
Stddev	4.6	4.9	69.	13.8
%RSD	.15169	.08468	.15869	.40356
#1	3013.5	5821.6	4317.6	3401.0
#2	3008.1	5830.5	4326.2	3428.4
#3	3017.1	5829.7	4331.1	3412.0

Raw Data MA13017 page 1 of 94

Sample Name: LowStd Acquired: 3/8/2016 9:18:37 Type: Cal
Method: 60102007_042011(v909) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0384	2.199	.0896	3.749	5.944	2.917	2.476	1.277	2.842
Stddev	.0003	.005	.0007	.004	.004	.004	.003	.002	.0010
%RSD	.6988	.2428	.8283	.1034	.0656	.1540	.1300	.1766	.3638
#1	.0382	2.193	.0887	3.751	5.941	2.913	2.473	1.275	.2832
#2	.0387	2.201	.0900	3.751	5.948	2.922	2.479	1.279	.2841
#3	.0384	2.203	.0900	3.745	5.942	2.917	2.476	1.276	.2853

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4153	1.931	1.037	.2988	1.355	.5343	4.208	.8187	.4392
Stddev	.0005	.004	.002	.0012	.003	.0008	.020	.0012	.0020
%RSD	.1238	.2039	.1582	.4134	.2310	.1470	.4826	.1458	.4661
#1	.4151	1.932	1.036	.2988	1.353	.5345	4.185	.8177	.4395
#2	.4159	1.927	1.035	.3000	1.353	.5350	4.218	.8200	.4410
#3	.4149	1.935	1.038	.2976	1.358	.5335	4.221	.8183	.4370

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1220	.0619	.1563	.2049	8.066	1.084	.1492	.3843	1.361
Stddev	.0001	.0003	.0003	.0002	.024	.003	.0008	.0009	.001
%RSD	.1186	.5072	.2069	.0868	.3011	.3097	.5305	.2285	.0733
#1	.1220	.0617	.1566	.2047	8.046	1.081	.1499	.3834	1.361
#2	.1219	.0618	.1559	.2051	8.058	1.083	.1484	.3843	1.362
#3	.1222	.0623	.1563	.2049	8.093	1.088	.1494	.3852	1.360

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2797.0	5746.6	4223.0	3395.1
Stddev	4.9	1.5	209.	22.4
%RSD	.17443	.02603	.49397	.66075
#1	2791.7	5747.5	42395.	3404.8
#2	2798.2	5744.8	42298.	3369.5
#3	2801.2	5747.3	41995.	3411.0

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Sample Name: MidStd Acquired: 3/8/2016 9:22:06 Type: Cal
Method: 60102007_042011(v909) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1330	8.353	3.761	15.57	24.23	10.94	10.03	5.162	1.145
Stddev	.0002	.034	.0007	.07	.15	.07	.01	.002	.002
%RSD	.1644	.4119	.1952	.4354	.6104	.6342	.0978	.0438	.1448
#1	.1328	8.381	3.762	15.59	24.36	11.00	10.02	5.160	1.147
#2	.1332	8.314	3.753	15.49	24.07	10.87	10.04	5.162	1.144
#3	.1329	8.363	3.768	15.62	24.26	10.95	10.04	5.164	1.146

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.686	7.046	3.991	1.134	5.442	2.228	16.01	3.284	1.839
Stddev	.009	.052	.020	.009	.040	.004	.09	.004	.003
%RSD	.5606	.7424	.4904	.7837	.7422	.1609	.5795	.1184	.1631
#1	1.691	7.092	4.006	1.143	5.395	2.225	16.07	3.280	1.836
#2	1.692	6.989	3.969	1.125	5.469	2.228	15.91	3.288	1.842
#3	1.675	7.057	3.998	1.133	5.461	2.232	16.07	3.285	1.839

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.5034	.2603	.6151	.8416	33.36	4.493	6.198	1.595	5.492
Stddev	.0004	.0003	.0005	.0013	.17	.009	.0027	.003	.011
%RSD	.0704	.1247	.0886	.1489	.4956	.1889	.4428	.1829	.2073
#1	.5034	.2600	.6154	.8401	33.47	4.502	6.168	1.598	5.480
#2	.5037	.2606	.6144	.8425	33.17	4.492	6.221	1.596	5.502
#3	.5030	.2604	.6154	.8421	33.44	4.485	6.206	1.592	5.495

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2527.1	5491.3	4059.7	3335.7
Stddev	2.4	4.2	101.	31.1
%RSD	.09312	.07652	.24898	.93223
#1	2527.5	5489.2	4048.1	3305.0
#2	2529.3	5496.2	4064.3	3367.2
#3	2524.6	5488.6	4066.6	3335.0

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Sample Name: HighStd Acquired: 3/8/2016 9:26:45 Type: Cal
Method: 60102007_042011(v909) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2714	16.71	.7742	31.74	48.13	21.81	20.02	10.32	2.241
Stddev	.0006	.04	.0034	.05	.12	.05	.09	.04	.003
%RSD	.2145	.2118	.4365	.1619	.2495	.2462	.4361	.4242	.1412
#1	.2707	16.68	.7703	31.71	48.03	21.76	19.92	10.27	2.245
#2	.2718	16.75	.7766	31.80	48.26	21.81	20.04	10.33	2.239
#3	.2716	16.70	.7755	31.71	48.09	21.86	20.09	10.36	2.239

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.377	14.18	8.062	2.236	10.55	4.412	32.26	6.569	3.826
Stddev	.011	.05	.017	.009	.05	.021	.04	.027	.011
%RSD	.3369	.3348	.2120	.4015	.4484	.4833	.1302	.4089	.2743
#1	3.378	14.13	8.043	2.226	10.59	4.389	32.21	6.538	3.814
#2	3.365	14.23	8.076	2.242	10.56	4.416	32.28	6.581	3.834
#3	3.388	14.18	8.068	2.241	10.50	4.431	32.28	6.587	3.830

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.030	.5335	1.273						

Sample Name: HSTD Acquired: 3/8/2016 9:33:02 Type: QC
 Method: 60102007_042011(v909) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4951	79.98	3.967	3.990	4.007	79.50	3.930	3.923	4.015
Stddev	.0025	.17	.013	.010	.012	.19	.004	.006	.006
%RSD	.5053	.2174	.3192	.2550	.2909	.2449	.1112	.1433	.1392

#1	.4974	79.78	3.978	3.994	3.994	79.42	3.934	3.930	4.018
#2	.4953	80.07	3.971	3.998	4.010	79.36	3.930	3.920	4.009
#3	.4924	80.09	3.953	3.978	4.017	79.72	3.926	3.920	4.019

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.983	79.89	80.19	80.16	3.949	3.927	79.90	3.928	4.004
Stddev	.010	.10	.07	.19	.028	.009	.09	.003	.005
%RSD	.2515	.1202	.0824	.2308	.7014	.2390	.1065	.0692	.1288

#1	3.989	79.78	80.14	80.15	3.980	3.938	79.81	3.931	3.998
#2	3.987	79.93	80.27	79.97	3.938	3.924	79.96	3.926	4.007
#3	3.971	79.95	80.16	80.34	3.928	3.921	79.94	3.926	4.007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.949	3.940	3.943	3.910	3.999	3.973	3.971	3.993	3.968
Stddev	.013	.008	.008	.001	.007	.022	.010	.005	.002
%RSD	.3208	.2133	.2137	.0273	.1656	.5493	.2464	.1213	.0481

#1	3.964	3.942	3.952	3.910	3.992	3.980	3.962	3.990	3.968
#2	3.943	3.931	3.936	3.911	4.005	3.948	3.982	3.991	3.970
#3	3.941	3.947	3.940	3.909	4.000	3.990	3.969	3.999	3.966

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 3/8/2016 9:33:02 Type: QC
 Method: 60102007_042011(v909) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2331.0	5306.7	39284.	3234.0
Stddev	3.8	11.4	78.	4.4
%RSD	.16088	.21551	.19813	.13635

#1	2332.8	5295.6	39364.	3237.1
#2	2333.6	5318.5	39277.	3235.9
#3	2326.7	5306.1	39209.	3228.9

Sample Name: ICV Acquired: 3/8/2016 9:40:13 Type: QC
 Method: 60102007_042011(v909) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2554	41.89	1.993	2.059	2.093	42.93	2.040	2.041	2.066
Stddev	.0007	.06	.005	.011	.006	.15	.004	.004	.002
%RSD	.2672	.1431	.2357	.5239	.3058	.3499	.1864	.2145	.1181

#1	.2561	41.85	1.993	2.067	2.092	42.86	2.036	2.036	2.065
#2	.2548	41.96	1.989	2.065	2.101	43.10	2.041	2.042	2.064
#3	.2552	41.86	1.998	2.047	2.088	42.83	2.043	2.044	2.069

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.015	41.64	42.56	43.42	2.107	1.905	42.94	2.054	2.013
Stddev	.006	.11	.10	.18	.017	.003	.14	.001	.003
%RSD	.2992	.2659	.2298	.4146	.7867	.1620	.3143	.0701	.1317

#1	2.012	41.61	42.54	43.33	2.106	1.903	43.01	2.052	2.010
#2	2.011	41.77	42.67	43.63	2.091	1.905	43.04	2.055	2.015
#3	2.022	41.55	42.48	43.31	2.124	1.909	42.79	2.055	2.014

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.008	2.031	.0986	2.042	1.939	1.979	2.080	1.920	2.070
Stddev	.005	.007	.0016	.004	.006	.006	.003	.005	.002
%RSD	.2535	.3521	1.642	.1690	.2908	.2882	.1497	.2721	.1013

#1	2.003	2.023	.1001	2.038	1.942	1.973	2.083	1.914	2.068
#2	2.006	2.034	.0969	2.043	1.942	1.978	2.077	1.921	2.072
#3	2.013	2.037	.0987	2.044	1.932	1.984	2.080	1.924	2.071

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 3/8/2016 9:40:13 Type: QC
 Method: 60102007_042011(v909) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2492.6	5446.0	40018.	3226.9
Stddev	8.0	8.5	127.	2.6
%RSD	.32107	.15519	.31645	.07946

#1	2488.5	5444.3	40079.	3224.5
#2	2501.9	5455.1	40102.	3226.7
#3	2487.6	5438.4	39872.	3229.6

Sample Name: ICB Acquired: 3/8/2016 9:47:46 Type: QC
 Method: 60102007_042011(v909) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0155	.0000	.0000	.0000	.0006	.0000	.0000	-0.004
Stddev	.0002	.0059	.0007	.000	.000	.0015	.0000	.000	.0001
%RSD	85.62	38.20	3824.	2293.	314.7	236.0	194.2	253.0	18.11
#1	-.0003	.0198	.0008	-.0004	.0000	.0016	.0000	.0000	-.0004
#2	.0000	.0180	-.0005	.0001	.0000	-.0011	.0001	.0001	-.0003
#3	-.0003	.0087	-.0002	.0002	-.0001	.0014	.0000	-.0002	-.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0038	.0294	-.0043	-0.001	.0004	.0115	.0001	.0003
Stddev	.0002	.0041	.0018	.0048	.0000	.0002	.0014	.0000	.0005
%RSD	157.0	107.7	6.152	110.7	34.76	42.34	12.09	43.19	142.3
#1	.0000	.0074	.0292	-.0099	-.0001	.0006	.0099	.0001	.0008
#2	-.0003	.0048	.0313	-.0016	-.0001	.0004	.0119	.0002	-.0001
#3	.0000	-.0007	.0277	-.0015	-.0001	.0002	.0125	.0001	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.008	.0011	.0047	.0002	-0.001	.0003	-.0006	-0.002	-0.001
Stddev	.0002	.0005	.0003	.0000	.0001	.0001	.0005	.0002	.0001
%RSD	20.36	42.32	5.907	6.756	88.63	18.67	80.20	143.6	68.44
#1	-.0009	.0009	.0050	.0002	.0000	.0003	-.0011	.0001	.0000
#2	-.0007	.0017	.0045	.0002	-.0002	.0003	-.0007	-.0002	-.0002
#3	-.0006	.0009	.0046	.0002	-.0001	.0002	-.0001	-.0004	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 3/8/2016 9:47:46 Type: QC
 Method: 60102007_042011(v909) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3005.7	5830.7	43107.	3410.4
Stddev	4.6	7.8	96.	5.4
%RSD	.15193	.13419	.22206	.15898
#1	3011.0	5829.1	43010.	3415.7
#2	3003.3	5823.8	43109.	3410.6
#3	3002.8	5839.2	43202.	3404.8

Sample Name: CRIA Acquired: 3/8/2016 9:59:44 Type: QC
 Method: 60102007_042011(v909) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0088	.2174	.0105	.2026	.0051	1.043	.0053	.0531	.0104
Stddev	.0006	.0116	.0001	.0013	.0001	.009	.0000	.0003	.0001
%RSD	7.286	5.341	1.180	.6341	2.404	.8993	.7553	.6277	1.292
#1	.0084	.2163	.0104	.2012	.0050	1.048	.0053	.0527	.0104
#2	.0085	.2063	.0105	.2035	.0050	1.048	.0053	.0531	.0105
#3	.0095	.2295	.0106	.2032	.0052	1.032	.0054	.0534	.0103

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0263	.3133	10.15	5.245	.0160	.0487	10.30	.0428	.0052
Stddev	.0004	.0054	.05	.033	.0001	.0005	.02	.0003	.0001
%RSD	1.622	1.730	4.505	.6366	.4253	1.000	.2122	.7607	1.330
#1	.0267	.3116	10.14	5.275	.0161	.0485	10.28	.0425	.0052
#2	.0258	.3090	10.20	5.252	.0159	.0484	10.32	.0427	.0051
#3	.0262	.3194	10.11	5.209	.0160	.0493	10.28	.0431	.0052

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049	.0107	.0463	.0527	.0100	.0102	.0093	.0483	.0216
Stddev	.0002	.0007	.0009	.0004	.0001	.0001	.0005	.0003	.0001
%RSD	3.359	6.242	2.000	.8193	.6406	1.250	5.557	.6284	.4825
#1	.0048	.0106	.0454	.0522	.0101	.0102	.0087	.0485	.0214
#2	.0048	.0114	.0473	.0528	.0099	.0101	.0096	.0479	.0216
#3	.0051	.0101	.0462	.0530	.0100	.0103	.0095	.0484	.0216

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 3/8/2016 9:59:44 Type: QC
 Method: 60102007_042011(v909) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2862.9	5752.9	42659.	3409.8
Stddev	14.7	32.7	161.	4.3
%RSD	.51344	.56805	.37732	.12701
#1	2871.1	5770.9	42535.	3410.9
#2	2871.7	5772.7	42841.	3405.0
#3	2846.0	5715.2	42601.	3413.5

Sample Name: ICSEA Acquired: 3/8/2016 10:09:09 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	482.3	.0000	.0000	.0002	473.8	.0000	.0000	.0005
Stddev	.000	4.7	.0004	.0006	.0001	4.6	.000	.0001	.0001
%RSD	1519.	.9699	1104.	2428.	58.25	.9664	1239.	209.2	17.61
#1	-.0003	486.0	-.0002	-.0006	.0001	475.4	.0000	.0000	.0006
#2	-.0003	483.8	-.0001	.0005	.0001	468.7	-.0001	.0002	.0004
#3	-.0001	477.0	.0005	.0002	.0002	477.4	.0000	.0000	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	178.4	.6862	508.3	.0007	.0000	.7388	.0000	.0001
Stddev	.0006	.1	.0077	1.6	.0000	.000	.0061	.000	.0013
%RSD	50.21	.0841	1.115	.3104	4.480	1607.	.8290	994.4	2611.
#1	.0010	178.5	.6845	506.6	.0007	-.0002	.7361	-.0004	-.0012
#2	.0006	178.5	.6946	509.6	.0007	.0002	.7344	.0000	.0015
#3	.0017	178.2	.6795	508.7	.0006	.0000	.7458	.0003	-.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	-.0001	.0229	F .0029	.0005	.0004	.0017	.0000	.0001
Stddev	.0007	.0015	.0020	.0002	.0000	.0000	.0009	.000	.0002
%RSD	55.00	2622.	8.665	7.467	4.023	10.78	54.11	850.4	178.2
#1	.0018	.0017	.0252	.0028	.0005	.0003	.0007	-.0002	-.0001
#2	.0005	-.0007	.0219	.0031	.0005	.0004	.0019	.0001	.0001
#3	.0014	-.0012	.0216	.0027	.0005	.0004	.0025	.0000	.0003

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSEA Acquired: 3/8/2016 10:09:09 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2274.5	5142.9	36581.	3115.7
Stddev	2.2	.6	156.	1.9
%RSD	.09553	.01091	.42699	.06213
#1	2272.3	5143.0	36584.	3114.1
#2	2274.6	5142.2	36424.	3117.9
#3	2276.7	5143.3	36736.	3115.3

Sample Name: ICSAB Acquired: 3/8/2016 10:16:53 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.061	505.8	1.080	.5125	.5165	494.1	.9627	4.730	.5195
Stddev	.000	8.6	.002	.0014	.0004	4.4	.0015	.0011	.0039
%RSD	.0240	1.710	.1597	.2749	.0827	.8971	.1563	.2230	.7497
#1	1.061	509.1	1.080	.5140	.5160	497.0	.9638	.4739	.5154
#2	1.061	512.3	1.078	.5121	.5165	496.5	.9610	.4719	.5231
#3	1.061	496.0	1.081	.5113	.5169	489.0	.9633	.4734	.5200

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5506	190.5	.0998	532.7	.5221	.9275	.1736	.9573	.9628
Stddev	.0025	.3	.0310	2.1	.0013	.0030	.0072	.0006	.0026
%RSD	.4589	.1822	31.04	.3996	.2408	.3244	4.160	.0586	.2739
#1	.5523	190.2	.1130	530.4	.5207	.9301	.1669	.9579	.9628
#2	.5477	190.9	.1220	534.5	.5231	.9242	.1812	.9568	.9601
#3	.5518	190.5	.0644	533.4	.5226	.9283	.1727	.9572	.9654

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.015	1.018	.2906	.9295	1.020	1.015	.9602	.4742	.9698
Stddev	.005	.006	.0006	.0005	.002	.002	.0015	.0020	.0009
%RSD	.5079	.6417	.1906	.0555	.1632	.2195	.1558	.4293	.0889
#1	1.016	1.022	.2911	.9300	1.018	1.013	.9613	.4719	.9697
#2	1.010	1.011	.2906	.9297	1.021	1.016	.9608	.4755	.9708
#3	1.020	1.022	.2900	.9290	1.020	1.017	.9585	.4753	.9690

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 3/8/2016 10:16:53 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2221.4	5096.0	36586.	3095.7
Stddev	4.6	16.6	182.	11.1
%RSD	.20703	.32670	.49827	.35895
#1	2217.9	5081.2	36781.	3101.9
#2	2226.6	5114.0	36420.	3082.8
#3	2219.6	5092.9	36558.	3102.3

Sample Name: CCV Acquired: 3/8/2016 10:22:29 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.452	39.49	1.974	1.970	2.003	40.08	1.995	1.976	2.037
Stddev	.0008	.16	.006	.012	.009	.25	.006	.008	.002
%RSD	.3282	.3942	.3086	.5819	.4395	.6317	.2972	.3863	.0738
#1	.2457	39.47	1.974	1.965	2.008	40.20	1.998	1.980	2.035
#2	.2443	39.35	1.980	1.962	1.993	39.79	1.999	1.981	2.037
#3	.2456	39.66	1.968	1.983	2.008	40.25	1.988	1.967	2.038

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.023	39.29	40.35	40.31	2.076	1.989	40.18	1.998	1.982
Stddev	.012	.16	.12	.29	.001	.006	.16	.004	.002
%RSD	.5927	.4130	.2980	.7275	.0679	.2975	.3993	.1972	.0782
#1	2.034	39.33	40.33	40.46	2.077	1.990	40.14	2.000	1.983
#2	2.025	39.11	40.24	39.97	2.076	1.995	40.04	2.001	1.981
#3	2.010	39.43	40.48	40.49	2.074	1.983	40.35	1.994	1.983

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.967	1.966	1.939	2.045	2.011	2.054	1.999	2.045	2.019
Stddev	.004	.007	.007	.004	.007	.005	.002	.002	.001
%RSD	.1969	.3507	.3718	.1907	.3333	.2486	.1070	.0859	.0567
#1	1.970	1.964	1.943	2.048	2.008	2.057	1.998	2.046	2.019
#2	1.969	1.973	1.944	2.048	2.007	2.057	1.998	2.046	2.020
#3	1.962	1.960	1.931	2.041	2.019	2.048	2.002	2.043	2.018

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/8/2016 10:22:29 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2543.4	5597.5	40728.	3261.4
Stddev	1.2	17.2	69.	16.9
%RSD	.04684	.30728	.16939	.51754
#1	2542.6	5595.6	40808.	3263.5
#2	2544.7	5581.4	40685.	3277.2
#3	2542.8	5615.6	40692.	3243.6

Sample Name: CCB Acquired: 3/8/2016 10:30:59 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0107	.0004	-0.002	.0000	.0039	.0000	.0000	-0.002
Stddev	.0003	.0102	.0003	.0003	.0000	.0011	.0000	.000	.0001
%RSD	163.5	95.39	79.11	147.5	3867.	28.85	113.9	254.8	57.80
#1	-.0004	.0020	.0007	-.0003	.0000	.0026	.0000	.0000	-.0004
#2	-.0002	.0219	.0001	.0001	.0000	.0048	.0000	.0000	-.0002
#3	.0001	.0081	.0004	-.0005	.0000	.0042	.0001	-.0001	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0049	.0514	-0.115	.0000	.0000	.0161	.0000	.0004
Stddev	.0001	.0023	.0562	.0030	.0000	.0001	.0074	.0000	.0006
%RSD	62.31	47.13	109.5	26.27	55.85	140.9	45.99	57.39	137.1
#1	.0001	.0076	.0655	-.0085	.0000	.0000	.0078	.0000	.0010
#2	.0001	.0040	-.0106	-.0116	.0000	.0001	.0220	.0000	.0004
#3	.0003	.0032	.0991	-.0145	.0000	.0000	.0186	.0000	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.001	-0.016	-0.001	.0000	.0000	-0.012	-0.001	-0.001
Stddev	.0007	.0015	.0007	.0001	.000	.000	.0006	.0003	.0000
%RSD	525.8	1098.	41.68	74.73	2248.	3027.	52.04	224.5	66.65
#1	.0006	-.0018	-.0008	.0000	-.0001	.0000	-.0018	-.0001	.0000
#2	-.0007	.0012	-.0021	-.0001	.0000	.0001	-.0012	.0001	-.0001
#3	-.0003	.0001	-.0019	-.0001	.0000	-.0001	-.0006	-.0004	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/8/2016 10:30:59 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3016.8	5848.7	42689.	3221.3
Stddev	3.2	3.6	66.	15.0
%RSD	.10587	.06173	.15350	.46553
#1	3013.2	5844.8	42623.	3210.9
#2	3018.2	5851.8	42754.	3238.5
#3	3019.1	5849.6	42690.	3214.4

Sample Name: FA31887-11 Acquired: 3/8/2016 10:37:25 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0109	31.49	0142	1590	0018	92.96	0100	0235	2420
Stddev	.0029	.43	.0028	.0016	.0007	.51	.0002	.0011	.0021
%RSD	26.06	1.355	19.80	1.035	41.29	.5475	1.787	4.803	.8848
#1	.0088	31.62	.0110	.1598	.0021	92.94	.0099	.0245	.2442
#2	.0142	31.84	.0164	.1571	.0022	93.48	.0102	.0223	.2417
#3	.0098	31.02	.0152	.1600	.0009	92.47	.0098	.0237	.2399
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	F 55.31	42.40	1.650	3.042	7806	0092	8570	4934	2.408
Stddev	.08	.35	.362	.155	.0022	.0015	.0813	.0023	.009
%RSD	.1375	.8200	21.94	5.096	.2879	16.32	9.482	.4645	.3845
#1	55.33	42.66	1.233	3.130	.7785	.0109	.8630	.4915	2.407
#2	55.22	42.54	1.834	3.132	.7802	.0087	.7729	.4927	2.399
#3	55.37	42.01	1.883	2.863	.7830	.0080	.9350	.4959	2.417
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.075	0.096	1.500	3813	1.110	6.206	-0.108	0.630	F 67.35
Stddev	.0049	.0151	.002	.0018	.0017	.0004	.0032	.0011	.11
%RSD	65.64	156.8	.1269	.4768	1.539	0.060	29.16	1.789	.1643
#1	-0.019	-0.066	1.501	.3831	.1125	6.208	-0.094	.0632	67.38
#2	-0.019	.0232	1.500	.3812	.1114	6.201	-0.144	.0641	67.22
#3	-0.097	.0123	1.498	.3795	.1091	6.208	-0.086	.0618	67.44
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2937.5	5888.4	43197.	3316.0					
Stddev	6.2	7.5	114.	33.1					
%RSD	.21180	.12728	.26468	.99953					
#1	2930.9	5879.8	43074.	3316.7					
#2	2938.5	5892.3	43300.	3282.5					
#3	2943.2	5893.1	43215.	3348.8					

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Sample Name: FA31909-1 Acquired: 3/8/2016 10:41:45 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.016	1.456	-0.024	0.155	-0.003	39.42	-0.002	0.003	0.068
Stddev	.0011	.0121	.0033	.0011	.0002	.18	.0002	.0003	.0008
%RSD	67.62	8.310	139.4	7.360	68.74	.4670	76.18	101.1	12.36
#1	-0.011	.1568	.0009	.0156	-0.001	39.50	-0.003	.0006	.0075
#2	-0.008	.1328	-0.0058	.0143	-0.003	39.54	-0.004	.0003	.0070
#3	-0.028	.1470	-0.022	.0166	-0.005	39.20	.0000	.0000	.0059
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.039	1.354	38.21	6.746	0.463	0.001	350.1	0.065	0.040
Stddev	.0011	.026	.18	.051	.0001	.0002	1.2	.0002	.0001
%RSD	3.309	1.913	.4698	.7582	.3072	156.4	.3510	3.393	2.540
#1	.0326	1.370	38.09	6.729	.0464	.0003	349.7	.0065	.0042
#2	.0347	1.368	38.41	6.804	.0463	.0002	351.5	.0068	.0039
#3	.0343	1.324	38.11	6.706	.0462	-0.001	349.2	.0063	.0040
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.031	0.027	6.117	0.028	1.693	0.044	-0.098	-0.003	1.542
Stddev	.0044	.0057	.023	.0004	.0008	.0003	.0028	.0007	.0005
%RSD	142.0	207.8	.3757	14.22	.4731	7.819	28.78	257.8	.2932
#1	-0.072	.0007	6.091	.0032	1.693	.0048	-0.068	-0.011	.1545
#2	-0.037	-0.017	6.125	.0026	1.701	.0043	-0.103	.0004	.1545
#3	.0016	.0091	6.135	.0025	1.685	.0042	-0.124	-0.002	.1537
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2735.0	5627.2	40975.	3326.1					
Stddev	6.0	16.7	117.	7.4					
%RSD	.21895	.29764	.28638	.22195					
#1	2733.8	5646.5	40841.	3334.5					
#2	2729.8	5616.7	41060.	3320.7					
#3	2741.6	5618.4	41024.	3323.1					

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Sample Name: FA31909-2 Acquired: 3/8/2016 10:46:10 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.037	1.240	0.080	0.001	-0.008	44.98	-0.002	0.001	-0.016
Stddev	.0036	.0129	.0066	.0049	.0009	.11	.0001	.0002	.0027
%RSD	97.22	10.43	82.22	457.9	115.8	.2464	70.05	268.4	163.7
#1	.0069	.1197	.0033	.0036	-0.004	44.95	-0.001	.0003	-0.040
#2	.0045	.1138	.0052	-0.0055	-0.0019	45.11	-0.002	-0.001	.0013
#3	-0.002	.1386	.0155	.0023	-0.001	44.89	-0.004	.0001	-0.022
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.012	0.500	61.43	6.280	-0.006	-0.049	662.3	0.004	0.029
Stddev	.0007	.0271	.49	.084	.0002	.0007	.9	.0004	.0022
%RSD	59.89	54.16	.7964	1.331	37.79	15.12	.1298	97.34	76.23
#1	.0007	.0377	61.20	6.214	-0.007	-0.056	663.1	.0008	.0019
#2	.0020	.0312	61.99	6.252	-0.003	-0.049	661.4	.0003	.0014
#3	.0009	.0810	61.09	6.374	-0.008	-0.041	662.3	.0001	.0054
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.011	-0.027	6.502	-0.030	1.497	0.004	-0.062	-0.025	1.673
Stddev	.0071	.0099	.008	.0015	.0004	.0007	.0113	.0020	.0014
%RSD	631.8	371.2	.1182	51.82	.2835	171.1	181.5	80.48	.8376
#1	.0044	.0073	6.510	-0.013	.1500	.0009	-0.1058	-0.008	.1684
#2	.0014	-0.126	6.494	-0.032	.1492	-0.004	-0.092	-0.020	.1679
#3	-0.092	-0.028	6.502	-0.044	.1500	.0008	.0063	-0.047	.1657
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2745.6	5663.5	40722.	3223.8					
Stddev	12.5	7.8	104.	2.5					
%RSD	.45688	.13789	.25594	.07687					
#1	2754.6	5668.3	40791.	3224.6					
#2	2751.0	5667.7	40602.	3225.7					
#3	2731.3	5654.5	40773.	3221.0					

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Sample Name: FA31948-1 Acquired: 3/8/2016 10:50:37 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.012	1.364	-0.057	0.230	-0.002	44.77	0.000	0.002	0.045
Stddev	.0022	.0419	.0032	.0020	.0003	.08	.0003	.0001	.0012
%RSD	184.8	11.49	55.16	8.692	150.5	.1826	532.1	49.45	26.48
#1	-0.021	.3374	-0.090	.0252	-0.001	44.80	.0001	.0002	.0033
#2	.0013	.3432	-0.056	.0213	.0000	44.83	-0.002	.0001	.0057
#3	-0.028	.4126	-0.026	.0224	-0.006	44.68	.0003	.0003	.0044
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.032	1.565	91.27	9.967	0.299	-0.006	301.9	0.042	0.045
Stddev	.0011	.010	.28	.135	.0003	.0005	.1	.0011	.0015
%RSD									

Sample Name: FA31948-2 Acquired: 3/8/2016 10:55:03 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stdev, %RSD.

Table with 11 columns: Elem, Cu3247, Fe2599, K 7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stdev, %RSD.

Table with 11 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V 2924, Zn2062. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stdev, %RSD.

Table with 4 columns: Int. Std., Avg, Stdev, %RSD. Rows include In2306, Y 2243, Y 3600, Y 3710 and #1-3.

Table with 4 columns: #1, #2, #3. Rows include Int. Std., Avg, Stdev, %RSD.

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Sample Name: FA31719-1 Acquired: 3/8/2016 10:59:31 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stdev, %RSD.

Table with 11 columns: Elem, Cu3247, Fe2599, K 7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stdev, %RSD.

Table with 11 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V 2924, Zn2062. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stdev, %RSD.

Table with 4 columns: Int. Std., Avg, Stdev, %RSD. Rows include In2306, Y 2243, Y 3600, Y 3710 and #1-3.

Table with 4 columns: #1, #2, #3. Rows include Int. Std., Avg, Stdev, %RSD.

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Sample Name: MP30074-D1 Acquired: 3/8/2016 11:03:52 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stdev, %RSD.

Table with 11 columns: Elem, Cu3247, Fe2599, K 7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stdev, %RSD.

Table with 11 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V 2924, Zn2062. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stdev, %RSD.

Table with 4 columns: Int. Std., Avg, Stdev, %RSD. Rows include In2306, Y 2243, Y 3600, Y 3710 and #1-3.

Table with 4 columns: #1, #2, #3. Rows include Int. Std., Avg, Stdev, %RSD.

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Sample Name: MP30074-S1 Acquired: 3/8/2016 11:08:12 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stdev, %RSD.

Table with 11 columns: Elem, Cu3247, Fe2599, K 7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stdev, %RSD.

Table with 11 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V 2924, Zn2062. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stdev, %RSD.

Table with 4 columns: Int. Std., Avg, Stdev, %RSD. Rows include In2306, Y 2243, Y 3600, Y 3710 and #1-3.

Table with 4 columns: #1, #2, #3. Rows include Int. Std., Avg, Stdev, %RSD.

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Sample Name: MP30074-S2 Acquired: 3/8/2016 11:12:30 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0534	80.01	2.226	2.591	.0588	43.21	.0610	.5850	.3359
Stddev	.0005	.41	.009	.019	.0012	.18	.0002	.0014	.0024
%RSD	1.018	.5150	.4149	.7187	1.974	.4191	.2737	.2361	.7222
#1	.0528	79.64	2.216	2.572	.0589	43.02	.0612	.5837	.3387
#2	.0534	80.46	2.235	2.591	.0599	43.38	.0609	.5850	.3347
#3	.0539	79.94	2.226	2.609	.0576	43.23	.0610	.5864	.3343
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3987	111.7	36.23	37.03	1.339	5530	31.49	6653	17.58
Stddev	.0028	.4	.48	.37	.004	.0039	.12	.0019	.02
%RSD	.7016	.3697	1.315	1.012	.2874	.7046	.3713	.2820	.1095
#1	.4014	111.2	35.71	36.80	1.342	5486	31.36	6638	17.56
#2	.3990	112.0	36.65	37.47	1.340	5559	31.54	6647	17.58
#3	.3958	111.8	36.34	36.83	1.334	5545	31.58	6674	17.60
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.4035	2.180	3.672	6.145	.7281	2.381	2.195	.8314	.9210
Stddev	.0068	.020	.020	.0053	.0044	.009	.010	.0066	.0005
%RSD	1.684	.8939	.5439	.8611	.6088	.3978	4.707	.7986	.0573
#1	.4059	2.185	3.649	.6125	.7243	2.390	2.184	.8340	.9212
#2	.3958	2.158	3.687	.6104	.7330	2.381	2.195	.8364	.9204
#3	.4087	2.196	3.680	.6204	.7272	2.371	2.205	.8239	.9214
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2908.3	5863.4	43180.	3283.5					
Stddev	4.6	5.4	165.	13.7					
%RSD	.15771	.09239	.38264	.41722					
#1	2903.1	5868.9	42991.	3274.8					
#2	2911.7	5863.1	43299.	3276.3					
#3	2910.1	5858.1	43250.	3299.3					

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Sample Name: MP30074-PS1 Acquired: 3/8/2016 11:16:48 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0560	52.50	2.308	.6701	.0574	20.21	.0631	.0696	.1774
Stddev	.0023	.30	.0102	.0057	.0004	.13	.0002	.0010	.0022
%RSD	4.025	.5673	4.411	.8536	.7314	.6371	.3303	1.462	1.243
#1	.0585	52.19	2.271	.6660	.0575	20.16	.0630	.0695	.1790
#2	.0541	52.79	2.231	.6766	.0577	20.36	.0630	.0707	.1749
#3	.0556	52.52	2.242	.6676	.0569	20.12	.0634	.0687	.1784
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2409	87.01	18.91	13.47	.8539	.1192	13.33	.2072	19.44
Stddev	.0011	.44	.44	.41	.0002	.0001	.09	.0012	.01
%RSD	.4753	.5103	2.352	3.023	.0210	.0916	.6557	.5772	.0637
#1	.2397	86.60	18.93	13.12	.8538	.1193	13.36	.2062	19.45
#2	.2413	87.48	19.34	13.92	.8539	.1191	13.23	.2085	19.44
#3	.2419	86.95	18.45	13.38	.8541	.1191	13.40	.2070	19.43
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.2175	.1209	3.253	.0906	.2229	2.008	.1037	.3763	.6719
Stddev	.0080	.0046	.005	.0008	.0022	.005	.0104	.0030	.0015
%RSD	3.680	3.773	.1506	.8743	.9950	.2635	10.02	.7975	.2199
#1	.2263	.1158	3.255	.0914	.2203	2.013	.0976	.3796	.6732
#2	.2155	.1227	3.248	.0899	.2245	2.002	.1157	.3737	.6723
#3	.2107	.1244	3.258	.0904	.2238	2.008	.0977	.3756	.6703
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2935.6	5832.8	43676.	3336.4					
Stddev	3.3	10.5	64.	38.3					
%RSD	.11286	.18060	.14668	1.1489					
#1	2931.9	5822.1	43608.	3348.7					
#2	2938.1	5833.0	43736.	3293.5					
#3	2936.9	5843.2	43684.	3367.1					

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Sample Name: CCV Acquired: 3/8/2016 11:21:08 Type: QC
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2482	39.95	1.998	2.018	2.010	40.25	2.032	2.024	2.033
Stddev	.0011	.08	.004	.005	.003	.09	.006	.005	.001
%RSD	.4541	.1895	.2014	.2503	.1450	.2258	.2942	.2294	.0709
#1	.2493	40.00	2.001	2.021	2.010	40.19	2.037	2.028	2.034
#2	.2483	40.00	1.993	2.021	2.008	40.20	2.033	2.023	2.032
#3	.2470	39.87	1.999	2.012	2.013	40.35	2.025	2.019	2.033

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.999	39.48	40.38	39.97	2.073	2.032	40.47	2.029	1.998
Stddev	.002	.09	.03	.22	.024	.003	.05	.003	.004
%RSD	.0831	.2379	.0754	.5490	1.134	.1443	.1302	.1516	.1952
#1	1.997	39.43	40.41	39.88	2.088	2.035	40.52	2.030	2.002
#2	2.001	39.43	40.35	39.81	2.046	2.033	40.42	2.032	1.997
#3	1.999	39.59	40.38	40.22	2.086	2.029	40.47	2.026	1.995

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.996	2.011	1.983	2.066	2.008	2.025	2.016	2.039	2.030
Stddev	.002	.003	.000	.004	.004	.002	.001	.003	.006
%RSD	.0806	.1294	.0201	.1795	.1892	.0939	.0661	.1365	.3167
#1	1.994	2.012	1.984	2.069	2.012	2.023	2.015	2.041	2.036
#2	1.997	2.013	1.983	2.068	2.007	2.026	2.017	2.036	2.031
#3	1.996	2.008	1.983	2.062	2.004	2.027	2.015	2.040	2.023

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

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Sample Name: CCV Acquired: 3/8/2016 11:21:08 Type: QC
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2518.6	5505.6	41055.	3259.4
Stddev	6.0	9.6	108.	13.0
%RSD	.23993	.17518	.26203	.39758
#1	2520.2	5500.2	41089.	3260.0
#2	2523.6	5516.8	41142.	3272.0
#3	2511.9	5500.0	40935.	3246.1

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Sample Name: CCB Acquired: 3/8/2016 11:25:22 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	.0041	.0001	.0000	.0001	.0034	.0001	.0001	-0.001
Stddev	.0007	.0008	.0002	.0005	.0000	.0015	.0000	.0000	.0001
%RSD	171.5	20.55	116.7	1809.	27.54	44.14	51.91	37.04	75.65
#1	.0002	.0049	.0001	.0000	.0002	.0017	.0001	.0001	.0000
#2	-.0012	.0041	.0003	-.0005	.0001	.0045	.0000	.0001	-.0002
#3	-.0002	.0032	.0000	.0005	.0001	.0041	.0001	.0001	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0091	.0648	-0.210	.0001	.0008	.0296	.0000	.0004
Stddev	.0000	.0039	.0182	.0345	.0001	.0003	.0052	.0001	.0002
%RSD	28.60	43.09	28.11	164.2	78.80	40.70	17.53	605.8	57.09
#1	.0001	.0133	.0463	.0169	.0001	.0011	.0346	-.0001	.0002
#2	.0002	.0055	.0828	-.0505	.0000	.0009	.0299	.0001	.0006
#3	.0001	.0086	.0653	-.0294	.0001	.0005	.0243	.0001	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0005	-0.0002	.0000	.0001	.0007	-0.0012	-0.0001	.0000
Stddev	.0008	.0003	.0003	.000	.0001	.0002	.0003	.0003	.0000
%RSD	1157.	58.99	174.2	1563.	108.3	22.09	28.66	199.1	1017.
#1	.0000	-.0002	.0002	.0001	.0000	.0008	-.0015	-.0002	.0000
#2	.0009	-.0004	-.0003	.0000	.0002	.0007	-.0014	-.0004	.0000
#3	-.0006	-.0008	-.0004	-.0002	.0001	.0005	-.0008	.0002	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/8/2016 11:25:22 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3002.6	5832.4	43355.	3341.7
Stddev	2.2	5.0	58.	10.1
%RSD	.07413	.08618	.13448	.30305
#1	3001.4	5838.1	43328.	3351.8
#2	3001.2	5830.5	43421.	3331.6
#3	3005.2	5828.7	43314.	3341.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0091	.0648	-0.210	.0001	.0008	.0296	.0000	.0004
Stddev	.0000	.0039	.0182	.0345	.0001	.0003	.0052	.0001	.0002
%RSD	28.60	43.09	28.11	164.2	78.80	40.70	17.53	605.8	57.09
#1	.0001	.0133	.0463	.0169	.0001	.0011	.0346	-.0001	.0002
#2	.0002	.0055	.0828	-.0505	.0000	.0009	.0299	.0001	.0006
#3	.0001	.0086	.0653	-.0294	.0001	.0005	.0243	.0001	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0005	-0.0002	.0000	.0001	.0007	-0.0012	-0.0001	.0000
Stddev	.0008	.0003	.0003	.000	.0001	.0002	.0003	.0003	.0000
%RSD	1157.	58.99	174.2	1563.	108.3	22.09	28.66	199.1	1017.
#1	.0000	-.0002	.0002	.0001	.0000	.0008	-.0015	-.0002	.0000
#2	.0009	-.0004	-.0003	.0000	.0002	.0007	-.0014	-.0004	.0000
#3	-.0006	-.0008	-.0004	-.0002	.0001	.0005	-.0008	.0002	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30074-SD1 Acquired: 3/8/2016 11:29:50 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 50.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.284	47.50	.1145	.3388	-0.0031	12.98	.0039	.0065	.0938
Stddev	.0114	.55	.0157	.0095	.0035	.04	.0000	.0026	.0097
%RSD	40.07	1.157	13.68	2.801	113.6	.3162	.3147	40.15	10.37
#1	-.0318	48.02	.1010	.3375	-.0025	12.94	.0039	.0038	.1035
#2	-.0157	47.55	.1316	.3488	.0001	12.98	.0039	.0089	.0840
#3	-.0377	46.92	.1108	.3299	-.0068	13.02	.0039	.0067	.0938

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1081	75.94	7.286	6.194	.7271	.0028	2.298	.0751	17.45
Stddev	.0065	.19	.923	.995	.0073	.0046	.214	.0031	.07
%RSD	6.020	.2478	12.66	16.06	1.003	163.9	9.322	4.091	.3993
#1	.1068	75.77	6.273	7.326	.7221	.0030	2.325	.0786	17.38
#2	.1151	76.14	7.507	5.461	.7237	.0073	2.071	.0730	17.51
#3	.1023	75.90	8.078	5.794	.7355	-.0019	2.497	.0736	17.46

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1036	.0425	12.68	.0210	.1460	2.074	-0.233	.2851	.6003
Stddev	.0385	.0563	.25	.0055	.0026	.050	.0118	.0117	.0037
%RSD	37.12	132.6	1.964	26.11	1.807	2.405	50.85	4.090	.6118
#1	.1225	.0403	12.54	.0168	.1449	2.131	-.0132	.2767	.6024
#2	.1289	.0999	12.96	.0191	.1441	2.045	-.0204	.2802	.6024
#3	.0593	-.0127	12.52	.0272	.1490	2.044	-.0363	.2984	.5960

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	3005.5	5888.4	43662.	3313.2
Stddev	8.8	17.5	123.	28.5
%RSD	.29309	.29646	.28242	.85918
#1	3014.4	5907.4	43716.	3340.1
#2	2996.8	5884.6	43748.	3283.4
#3	3005.4	5873.1	43521.	3316.0

Sample Name: FA31719-2 Acquired: 3/8/2016 11:34:15 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 20.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0046	38.82	.6464	.3204	.0003	10.70	.0027	.0084	.0883
Stddev	.0101	.34	.0171	.0019	.0008	.09	.0002	.0002	.0034
%RSD	222.8	.8846	2.645	.5805	323.0	8.510	8.284	2.225	3.816
#1	.0093	38.43	.6360	.3215	.0004	10.80	.0030	.0082	.0877
#2	.0115	39.08	.6370	.3182	-.0006	10.68	.0026	.0086	.0852
#3	-.0071	38.94	.6661	.3214	.0010	10.63	.0026	.0085	.0919

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1078	63.60	6.541	5.901	.6179	.0035	1.459	.0699	31.86
Stddev	.0022	.10	.545	.508	.0029	.0047	.081	.0025	.02
%RSD	2.054	.1526	8.336	8.601	.4737	132.7	5.530	3.522	.0562
#1	.1096	63.71	6.693	5.954	.6179	.0086	1.539	.0711	31.86
#2	.1053	63.52	6.993	5.369	.6209	.0026	1.458	.0715	31.88
#3	.1086	63.57	5.935	6.380	.6150	-.0006	1.378	.0670	31.85

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.593	.0398	3.103	.0276	.1322	1.534	-0.0155	.2580	.3629
Stddev	.014	.0423	.022	.0017	.0009	.006	.0047	.0064	.0010
%RSD	.8758	106.4	.7262	6.174	.6667	.4179	30.59	2.4	

Sample Name: FA31719-3 Acquired: 3/8/2016 11:38:39 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	50.85	0.948	4.815	0.004	18.68	0.060	0.021	1.221
Stddev	.0007	.28	.0014	.0011	.0009	.12	.0004	.0008	.0035
%RSD	267.5	.5589	1.514	.2339	207.1	.6185	7.429	6.251	2.897
#1	.0001	50.52	.0937	.4808	.0010	18.55	.0062	.0117	1.258
#2	.0002	51.03	.0944	.4828	.0009	18.76	.0063	.0130	1.217
#3	-.0010	50.99	.0964	.4810	-.0006	18.74	.0055	.0116	1.188
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.125	80.84	10.60	9.523	9.708	0.109	3.515	1.111	19.02
Stddev	.0008	.27	.09	.091	.0015	.0002	.092	.0004	.01
%RSD	.5440	.3368	.8083	.9573	.1542	2.214	2.614	.3814	.0704
#1	.1421	80.54	10.55	9.545	.9717	.0111	3.409	1.110	19.02
#2	.1420	81.08	10.56	9.423	.9716	.0106	3.564	1.107	19.00
#3	.1434	80.89	10.70	9.601	.9691	.0110	3.572	1.115	19.03
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.670	0.205	3.287	0.372	2.205	2.037	-0.125	3.404	4.600
Stddev	.0023	.0142	.005	.0050	.0020	.002	.0028	.0003	.0026
%RSD	3.412	69.07	.1606	13.36	9.007	.0820	22.00	.0930	.5644
#1	.0653	.0338	3.286	.0354	.2194	2.036	-.0155	.3044	.4586
#2	.0661	.0056	3.282	.0334	.2192	2.037	-.0101	.3047	.4629
#3	.0696	.0222	3.292	.0429	.2227	2.039	-.0119	.3042	.4583
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2963.1	5824.0	43664.	3325.8					
Stddev	4.5	5.4	28.	10.3					
%RSD	.15244	.09354	.06400	.31108					
#1	2959.4	5826.8	43675.	3335.4					
#2	2968.2	5817.7	43633.	3327.0					
#3	2961.7	5827.4	43686.	3314.9					

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Sample Name: FA31709-1 Acquired: 3/8/2016 11:42:59 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 4.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.097	1142.	2017.	3.629	0.139	648.1	1.709	4.162	1.518
Stddev	.0015	5.	.0032	.018	.0002	4.9	.0009	.0025	.004
%RSD	15.83	.4535	1.592	.4843	1.405	.7525	.5255	.6003	.2531
#1	.0100	1148.	.2032	3.643	.0141	653.6	.1702	4.150	1.514
#2	.0110	1138.	.2039	3.636	.0138	644.4	.1705	4.145	1.521
#3	.0080	1139.	.1980	3.610	.0138	646.3	.1719	4.190	1.519
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.937	876.6	12.64	29.22	53.26	-0.057	5.398	6.174	4.136
Stddev	.003	3.5	.10	.21	.33	.0005	.026	.0017	.0082
%RSD	.1629	.3976	.8207	.7158	.6269	9.233	.4868	.2816	1.982
#1	1.939	880.2	12.58	29.42	53.64	-.0062	5.425	6.170	4.068
#2	1.933	873.2	12.76	29.00	53.13	-.0052	5.397	6.158	4.112
#3	1.939	876.3	12.58	29.23	53.02	-.0055	5.372	6.193	4.227
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.065	0.035	7.072	0.594	66.64	32.15	0.153	9.699	5.244
Stddev	.0120	.0065	.037	.0021	.38	.24	.0089	.0055	.032
%RSD	184.7	186.0	.5230	3.620	.5764	.7330	58.40	57.12	.6373
#1	.0113	.0043	7.054	.0619	66.20	32.21	.0212	9.740	5.023
#2	-.0072	-.0095	7.047	.0582	66.91	32.35	.0197	9.720	5.028
#3	.0153	-.0034	7.115	.0581	66.81	31.89	.0050	9.636	5.081
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2484.1	8289.8	60816.	4901.8					
Stddev	8.4	23.9	92.	38.8					
%RSD	.34001	.28828	.15084	.79241					
#1	2486.8	8300.3	60711.	4857.0					
#2	2490.8	8306.6	60878.	4922.4					
#3	2474.6	8262.4	60860.	4926.0					

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Sample Name: MP30074-D2 Acquired: 3/8/2016 11:47:47 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.034	46.69	1.068	3.604	0.005	13.38	0.039	0.103	1.083
Stddev	.0007	.22	.0016	.0077	.0012	.05	.0001	.0013	.0018
%RSD	20.95	.4711	1.453	2.150	229.1	.3905	2.816	13.02	1.658
#1	.0038	46.65	.1085	.3619	.0016	13.41	.0038	.0093	1.072
#2	.0038	46.92	.1055	.3672	-.0007	13.40	.0038	.0118	1.104
#3	.0026	46.49	.1064	.3520	.0007	13.32	.0040	.0098	1.074
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.119	76.77	7.169	7.172	7.678	0.061	1.476	0.792	17.24
Stddev	.0004	.62	.061	.275	.0028	.0005	.026	.0004	.02
%RSD	.3301	.8012	.8524	3.830	.3633	7.972	1.754	.4448	1.259
#1	.1115	76.88	7.116	6.862	.7651	.0058	1.463	.0793	17.21
#2	.1123	77.33	7.156	7.387	.7706	.0067	1.458	.0788	17.25
#3	.1120	76.11	7.236	7.267	.7678	.0059	1.505	.0795	17.25
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.769	0.257	3.254	0.334	1.708	1.941	-0.090	2.872	3.807
Stddev	.0041	.0119	.007	.0020	.0016	.003	.0083	.0031	.004
%RSD	5.273	46.31	.2064	5.979	.9438	.1346	92.89	1.069	1.088
#1	.0784	.0391	3.253	.0313	.1713	1.940	-.0135	2.870	3.806
#2	.0723	.0218	3.262	.0353	.1690	1.944	-.0141	2.903	3.812
#3	.0800	.0163	3.249	.0335	.1720	1.939	.0006	2.842	3.803
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2943.1	5799.6	43071.	3242.9					
Stddev	3.3	6.6	261.	29.9					
%RSD	.11235	.11398	.60676	.92353					
#1	2946.1	5797.3	43323.	3219.2					
#2	2939.6	5807.1	43088.	3232.8					
#3	2943.7	5794.5	42801.	3276.5					

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Sample Name: MP30076-MB1 Acquired: 3/8/2016 11:52:08 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	0.080	-0.011	0.002	-0.001	0.124	0.000	-0.001	-0.003
Stddev	.0004	.0088	.0005	.0003	.0000	.0020	.000	.0000	.0001
%RSD	92.09	109.8	46.48	184.2	14.21	15.87	25.08	42.29	17.01
#1	-.0004	.0068	-.0005	.0004	-.0001	.0137	.0000	-.0001	-.0004
#2	-.0001	.0172	-.0015	-.0002	-.0001	.0134	-.0001	-.0001	-.0003
#3	-.0008	-.0002	-.0012	.0003	-.0001	.0102	.0000	-.0001	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.049	0.206	-0.186	0.002	-0.005	-0.030	0.000	0.011
Stddev	.0002	.0039							

Sample Name: MP30076-MB1 Acquired: 3/8/2016 11:52:08 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2997.8	5820.2	4346.9	3224.3
Stddev	1.8	4.6	122.	9.9
%RSD	.05849	.07827	.28179	.30710
#1	2996.5	5825.1	4346.2	3227.9
#2	2999.8	5816.1	4335.1	3213.0
#3	2997.1	5819.5	4359.5	3231.8

Sample Name: MP30076-B1 Acquired: 3/8/2016 11:56:38 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0500	29.91	2.092	2.168	.0554	27.69	.0546	.5384	.2189
Stddev	.0007	.15	.005	.011	.0001	.08	.0001	.0018	.0006
%RSD	1.315	.5080	.2603	.4890	.1810	.2783	.2532	.3359	.2591
#1	.0495	29.82	2.086	2.162	.0553	27.64	.0546	.5383	.2183
#2	.0507	29.81	2.093	2.162	.0553	27.66	.0544	.5367	.2191
#3	.0496	30.08	2.097	2.180	.0555	27.78	.0547	.5403	.2193

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.2709	28.56	27.69	27.87	.5615	.5432	27.96	.5456	.5177
Stddev	.0008	.12	.21	.04	.0021	.0002	.16	.0005	.0009
%RSD	.2928	.4216	.7563	.1373	.3815	.0431	.5585	.0920	.1745
#1	.2701	28.44	27.47	27.83	.5591	.5433	27.84	.5454	.5174
#2	.2717	28.56	27.74	27.87	.5633	.5429	27.90	.5453	.5187
#3	.2708	28.68	27.88	27.91	.5619	.5434	28.14	.5462	.5169

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.5274	2.129	.0278	.5629	.5419	.5562	2.089	.5061	.5451
Stddev	.0009	.009	.0003	.0012	.0029	.0007	.002	.0014	.0012
%RSD	.1667	.4209	1.113	.2142	.5386	.1280	.1141	.2833	.2257
#1	.5264	2.119	.0282	.5643	.5398	.5556	2.086	.5044	.5446
#2	.5281	2.132	.0277	.5619	.5406	.5561	2.090	.5071	.5442
#3	.5278	2.136	.0276	.5625	.5452	.5570	2.090	.5067	.5465

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30076-B1 Acquired: 3/8/2016 11:56:38 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2640.6	5564.9	4125.9	3208.8
Stddev	2.6	8.6	116.	19.6
%RSD	.09810	.15437	.28026	.61212
#1	2643.3	5565.0	4139.2	3231.3
#2	2640.2	5573.4	4120.1	3195.0
#3	2638.2	5556.2	4118.4	3200.1

Sample Name: FA31919-1 Acquired: 3/8/2016 12:00:51 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-.0004	2.768	.0039	.0201	.0000	22.69	.0003	.0004	.0069
Stddev	.0001	.030	.0001	.0004	.0001	.02	.0001	.0002	.0003
%RSD	26.08	1.068	2.051	2.067	167.1	.0755	15.73	38.57	3.658
#1	-.0005	2.782	.0038	.0202	.0001	22.68	.0003	.0006	.0069
#2	-.0003	2.734	.0039	.0205	.0000	22.68	.0003	.0004	.0066
#3	-.0004	2.788	.0039	.0197	.0001	22.71	.0004	.0003	.0071

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.0021	2.905	3.957	2.556	.0040	.0024	15.88	.0019	.0004
Stddev	.0000	.010	.048	.013	.0000	.0000	.04	.0001	.0005
%RSD	1.092	.3532	1.222	.4877	1.097	.2816	.2565	4.001	128.2
#1	.0021	2.917	4.013	2.543	.0041	.0024	15.90	.0019	.0003
#2	.0021	2.898	3.925	2.568	.0040	.0024	15.92	.0018	-.0001
#3	.0021	2.899	3.934	2.558	.0040	.0024	15.84	.0019	.0009

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	-.0007	.0012	4.612	-.0001	.0967	.0169	-.0007	.0098	.0102
Stddev	.0006	.0008	.002	.0004	.0003	.0001	.0012	.0001	.0001
%RSD	78.79	63.90	.0322	321.3	.2693	.6076	170.4	1.114	.6827
#1	-.0012	.0005	4.610	.0003	.0966	.0168	-.0016	.0097	.0102
#2	-.0009	.0011	4.613	-.0005	.0970	.0170	.0007	.0097	.0102
#3	-.0001	.0021	4.611	-.0002	.0965	.0168	-.0013	.0099	.0103

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2823.8	5774.5	4314.0	3282.6
Stddev	5.5	7.8	165.	9.0
%RSD	.19326	.13433	.38224	.27275
#1	2817.6	5770.6	4319.8	3289.5
#2	2825.6	5783.4	4326.9	3285.9
#3	2828.0	5769.5	4295.4	3272.5

Sample Name: MP30076-D1 Acquired: 3/8/2016 12:05:17 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	2.781	0.033	0.024	0.000	22.41	0.003	0.003	0.070
Stddev	.0004	.029	.0004	.0002	.000	.08	.0000	.0001	.0001
%RSD	85.85	1.026	11.64	1.028	1777.	.3703	9.032	20.71	1.647
#1	-0.009	2.752	.0036	.0203	.0000	22.31	.0003	.0003	.0070
#2	-0.007	2.809	.0029	.0206	.0000	22.45	.0003	.0003	.0070
#3	.0000	2.782	.0035	.0202	-.0001	22.46	.0003	.0004	.0068
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.022	3.003	3.950	2.531	0.040	0.022	15.70	0.019	0.009
Stddev	.0001	.012	.027	.014	.0001	.0001	.06	.0000	.0004
%RSD	4.038	.3991	.6855	.5585	1.729	6.829	.4041	2.293	38.31
#1	.0023	2.995	3.920	2.539	.0040	.0023	15.64	.0020	.0009
#2	.0022	3.017	3.958	2.540	.0039	.0022	15.77	.0019	.0006
#3	.0022	2.997	3.972	2.515	.0040	.0020	15.68	.0019	.0013
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.008	0.009	4.569	0.001	0.0953	0.170	-0.014	0.096	0.128
Stddev	.0005	.0012	.005	.0002	.0004	.0001	.011	.0002	.0000
%RSD	63.99	137.3	.1148	195.6	.4228	.3852	.8116	2.326	.3661
#1	-0.011	-0.004	4.563	.0001	.0949	.0169	-.0001	.0094	.0128
#2	-0.002	.0010	4.569	.0003	.0957	.0171	-.0023	.0096	.0127
#3	-0.011	.0020	4.574	-.0001	.0953	.0170	-.0017	.0099	.0128
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2829.5	5756.1	42867.	3247.3					
Stddev	8.9	12.8	179.	16.6					
%RSD	.31325	.22309	.41729	.51120					
#1	2838.9	5769.8	43000.	3240.6					
#2	2828.3	5754.4	42937.	3235.0					
#3	2821.3	5744.3	42664.	3266.2					

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Sample Name: MP30076-SD1 Acquired: 3/8/2016 12:09:41 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0027	2.685	0.049	0.020	-0.002	22.25	0.003	0.003	0.066
Stddev	.0006	.105	.0016	.0023	.0004	.01	.0001	.0004	.0010
%RSD	21.74	3.904	32.08	11.57	246.4	.0601	36.99	120.1	15.92
#1	-0.034	2.598	.0054	.0178	-.0005	22.24	.0003	.0004	.0077
#2	-0.025	2.801	.0032	.0225	-.0003	22.25	.0002	-.0001	.0065
#3	-0.023	2.656	.0062	.0201	.0003	22.27	.0003	.0006	.0056
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.027	2.824	4.127	2.486	0.039	-0.001	15.59	0.017	0.019
Stddev	.0010	.030	.194	.058	.0001	.0005	.02	.0007	.0032
%RSD	36.55	1.071	4.692	2.338	1.700	440.0	.1058	41.24	172.9
#1	.0019	2.826	3.934	2.433	.0038	-.0006	15.57	.0026	.0024
#2	.0038	2.793	4.322	2.477	.0038	-.0002	15.59	.0014	-.0016
#3	.0025	2.853	4.126	2.548	.0039	.0004	15.60	.0013	.0047
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.010	0.040	4.485	-0.006	0.0932	0.158	-0.045	0.081	0.317
Stddev	.0034	.0104	.010	.0012	.0005	.0003	.0032	.0006	.0001
%RSD	358.9	262.6	.2244	184.8	.5756	1.673	71.44	7.981	.1770
#1	.0011	.0158	4.474	.0007	.0927	.0161	-.0015	.0084	.0317
#2	-.0025	.0003	4.487	-.0014	.0933	.0157	-.0080	.0073	.0318
#3	.0043	-.0041	4.494	-.0012	.0937	.0156	-.0041	.0084	.0317
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2959.7	5794.1	43562.	3226.9					
Stddev	5.2	10.4	225.	15.7					
%RSD	.17556	.17867	.51611	.48515					
#1	2961.1	5789.6	43818.	3235.3					
#2	2964.1	5786.7	43397.	3236.5					
#3	2954.0	5805.9	43470.	3208.8					

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Sample Name: CCV Acquired: 3/8/2016 12:14:06 Type: QC
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.480	40.41	2.004	2.035	2.007	39.89	2.046	2.050	2.031
Stddev	.0002	.13	.004	.011	.010	.19	.003	.002	.004
%RSD	.0702	.3338	.2098	.5219	.5143	4.858	.1213	.1163	.2135
#1	.2478	40.57	2.009	2.044	2.017	40.05	2.048	2.053	2.026
#2	.2481	40.31	2.002	2.023	1.997	39.67	2.047	2.050	2.034
#3	.2481	40.36	2.001	2.037	2.008	39.96	2.043	2.048	2.032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.978	39.66	40.43	39.74	2.052	2.064	40.40	2.031	1.977
Stddev	.004	.16	.11	.22	.002	.002	.15	.002	.003
%RSD	.1879	.3976	.2720	.5569	.1062	.0738	.3715	.0747	.1581
#1	1.978	39.83	40.55	39.99	2.050	2.064	40.52	2.032	1.980
#2	1.981	39.52	40.33	39.60	2.054	2.065	40.23	2.031	1.978
#3	1.974	39.61	40.41	39.63	2.053	2.062	40.44	2.029	1.974
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.006	2.022	1.992	2.053	1.996	2.019	1.992	2.017	2.028
Stddev	.002	.004	.002	.004	.008	.003	.003	.003	.004
%RSD	.0747	.2132	.1119	.2105	.3845	.1369	.1348	.1554	.1887
#1	2.006	2.019	1.993	2.052	1.998	2.018	1.995	2.015	2.029
#2	2.008	2.027	1.989	2.057	1.987	2.022	1.991	2.021	2.032
#3	2.005	2.020	1.993	2.048	2.002	2.017	1.990	2.017	2.024
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 3/8/2016 12:14:06 Type: QC
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2527.1	5453.8	41069.	3208.0
Stddev	1.4	7.2	176.	16.5
%RSD	.05677	.13246	.42815	.51566
#1	2525.5	5445.6	40874.	3189.2
#2	2527.7	5456.6	41118.	3214.9
#3	2528.1	5459.2	41216.	3220.1

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Sample Name: CCB Acquired: 3/8/2016 12:18:17 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.137	0.000	0.001	0.001	0.028	0.001	0.001	-0.001
Stddev	.0001	.0108	.0005	.0002	.0000	.0013	.0000	.0001	.0001
%RSD	76.62	78.69	2748.	179.2	29.12	47.33	23.83	102.4	169.5
#1	-0.003	0.052	0.000	0.000	0.002	0.026	0.001	0.000	-0.001
#2	-0.002	0.102	0.006	0.000	0.001	0.043	0.000	0.002	-0.001
#3	-0.001	0.259	-0.005	0.003	0.001	0.016	0.001	0.000	0.000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.002	0.117	0.301	0.016	0.001	0.007	0.155	0.001	0.000
Stddev	.0002	.0046	.0641	.0244	.0000	.0002	.0017	.0001	.0004
%RSD	109.3	39.35	212.9	1506.	60.78	21.94	10.98	109.6	11450.
#1	.0001	.0165	.1033	.0270	.0001	.0009	.0138	.0000	-0.003
#2	.0000	.0112	-0.165	-0.003	.0001	.0006	.0172	.0001	.0005
#3	.0003	.0073	.0036	-.0218	.0000	.0006	.0155	.0001	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.002	-0.006	0.005	0.002	0.001	0.009	-0.011	-0.002	0.000
Stddev	.0002	.0013	.0002	.0001	.0000	.0002	.0007	.0001	.000
%RSD	80.17	215.6	43.15	37.69	31.74	17.36	62.42	48.72	282.6
#1	.0000	-0.003	.0008	.0003	.0002	.0009	-0.006	-0.002	.0000
#2	.0004	.0005	.0004	.0001	.0001	.0007	-0.018	-0.001	.0000
#3	.0002	-0.021	.0003	.0002	.0001	.0010	-0.007	-0.002	-0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/8/2016 12:18:17 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2996.9	5751.9	43625.	3297.5
Stddev	9.9	11.0	82.	7.6
%RSD	.32992	.19127	.18789	.22911
#1	2989.9	5746.3	43535.	3304.6
#2	3008.2	5764.6	43643.	3298.3
#3	2992.6	5744.9	43696.	3289.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.002	0.117	0.301	0.016	0.001	0.007	0.155	0.001	0.000
Stddev	.0002	.0046	.0641	.0244	.0000	.0002	.0017	.0001	.0004
%RSD	109.3	39.35	212.9	1506.	60.78	21.94	10.98	109.6	11450.
#1	.0001	.0165	.1033	.0270	.0001	.0009	.0138	.0000	-0.003
#2	.0000	.0112	-0.165	-0.003	.0001	.0006	.0172	.0001	.0005
#3	.0003	.0073	.0036	-.0218	.0000	.0006	.0155	.0001	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.002	-0.006	0.005	0.002	0.001	0.009	-0.011	-0.002	0.000
Stddev	.0002	.0013	.0002	.0001	.0000	.0002	.0007	.0001	.000
%RSD	80.17	215.6	43.15	37.69	31.74	17.36	62.42	48.72	282.6
#1	.0000	-0.003	.0008	.0003	.0002	.0009	-0.006	-0.002	.0000
#2	.0004	.0005	.0004	.0001	.0001	.0007	-0.018	-0.001	.0000
#3	.0002	-0.021	.0003	.0002	.0001	.0010	-0.007	-0.002	-0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30076-PS1 Acquired: 3/8/2016 12:22:46 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.0484	5.289	1.054	2.828	0.514	27.22	0.518	0.524	0.588
Stddev	.0004	.021	.0006	.0012	.0003	.04	.0001	.0003	.0002
%RSD	.8708	.3869	.6071	.4338	.6019	.1462	.1073	.5204	.4135
#1	.0488	5.267	1.048	2.834	.0510	27.18	.0518	.0526	.0586
#2	.0480	5.293	1.061	2.813	.0515	27.26	.0518	.0521	.0587
#3	.0482	5.307	1.055	2.835	.0516	27.21	.0519	.0525	.0590

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.048	5.898	13.81	7.481	0.559	1.021	25.63	1.041	0.487
Stddev	.0002	.052	.04	.013	.0001	.0003	.05	.0004	.0003
%RSD	.2356	.8757	.2558	.1715	.2051	.2625	.2083	.3391	.5464
#1	.1046	5.839	13.77	7.489	.0559	1.022	25.59	1.044	.0490
#2	.1047	5.923	13.82	7.488	.0560	1.018	25.62	1.037	.0485
#3	.1050	5.933	13.83	7.466	.0558	1.023	25.69	1.041	.0487

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.054	1.004	4.561	0.485	1.423	1.162	0.963	0.571	2.744
Stddev	.0005	.0025	.006	.0004	.0005	.0002	.0005	.0002	.0002
%RSD	.4556	2.469	.1286	.7781	.3851	.1757	.4909	.3653	.0806
#1	.1049	.0981	4.562	.0489	.1418	.1161	.0968	.0574	.2743
#2	.1054	.1030	4.555	.0481	.1421	.1161	.0958	.0570	.2743
#3	.1058	.0999	4.566	.0486	.1429	.1165	.0962	.0571	.2747

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2758.0	5677.9	42451.	3249.8
Stddev	7.3	5.4	166.	3.2
%RSD	.26432	.09569	.39090	.09801
#1	2762.6	5678.6	42526.	3253.5
#2	2761.8	5682.9	42567.	3247.5
#3	2749.6	5672.1	42261.	3248.5

Sample Name: MP30076-S1 Acquired: 3/8/2016 12:27:03 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.0503	36.56	2.081	2.193	0.552	48.94	0.537	5.328	2.236
Stddev	.0005	.03	.004	.008	.0002	.05	.0002	.0012	.0010
%RSD	1.022	.0865	.1891	.3502	.2763	.1005	.2811	.2333	.4374
#1	.0502	36.58	2.078	2.202	.0551	48.91	.0536	.5315	.2242
#2	.0509	36.52	2.080	2.187	.0552	48.92	.0538	.5328	.2240
#3	.0498	36.57	2.085	2.190	.0554	49.00	.0539	.5340	.2244

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.684	32.03	31.53	29.94	5.488	5.412	42.98	5.348	5.144
Stddev	.0009	.07	.09	.12	.0001	.0010	.08	.0007	.0014
%RSD	.3389	.2155	.2934	.3969	.0149	.1814	.1769	.1392	.2686
#1	.2688	32.10	31.64	29.84	.5488	.5403	43.07	.5355	.5148
#2	.2673	31.97	31.49	29.92	.5488	.5410	42.93	.5348	.5128
#3	.2689	32.03	31.47	30.07	.5489	.5422	42.95	.5340	.5155

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.257	2.114	8.891	5.438	6.245	7.034	2.065	5.054	5.396
Stddev	.0035	.009	.012	.0004	.0028	.0085	.006	.0001	.0010
%RSD	.6650	.4027	.1396	.0820					

Sample Name: MP30076-S2 Acquired: 3/8/2016 12:31:15 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0504	36.48	2.096	2.210	.0551	49.06	.0539	.5320	.2233
Stddev	.0007	.15	.006	.008	.0003	.23	.0001	.0009	.0007
%RSD	1.326	.4133	.2968	.3582	.6135	.4703	.1464	.1685	.2956
#1	.0503	36.35	2.095	2.202	.0547	48.82	.0540	.5329	.2240
#2	.0512	36.45	2.090	2.211	.0551	49.08	.0538	.5322	.2227
#3	.0498	36.64	2.103	2.218	.0554	49.29	.0539	.5311	.2231

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.2711	31.89	31.73	29.77	.5532	5.388	43.24	.5365	.5179
Stddev	.0003	.09	.10	.29	.0011	.0002	.09	.0005	.0018
%RSD	.1138	.2861	.3178	.9825	.2053	.0407	.2005	.0975	.3443
#1	.2707	31.83	31.67	29.59	.5529	5.388	43.15	.5370	.5193
#2	.2712	31.85	31.68	29.61	.5523	5.390	43.24	.5360	.5159
#3	.2713	32.00	31.85	30.11	.5545	5.386	43.32	.5365	.5185

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)
Avg	.5282	2.136	8.876	.5442	.6254	6.982	2.075	.5072	.5399
Stddev	.0010	.004	.023	.0011	.0015	.0038	.004	.0008	.0016
%RSD	.1822	.1968	.2582	.1975	.2334	.5438	.2056	.1643	.2897
#1	.5286	2.134	8.895	.5449	.6237	6.938	2.080	.5064	.5414
#2	.5288	2.133	8.883	.5430	.6262	7.008	2.073	.5080	.5383
#3	.5270	2.141	8.851	.5448	.6263	7.000	2.072	.5073	.5401

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2581.2	5550.5	41395.	3220.3
Stddev	2.8	3.7	107.	25.6
%RSD	.10750	.06642	.25963	.79479
#1	2578.2	5553.5	41296.	3241.1
#2	2583.5	5551.6	41510.	3228.0
#3	2582.0	5546.4	41380.	3191.7

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Sample Name: FA31888-1 Acquired: 3/8/2016 12:35:26 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0004	.2971	.0080	.0248	.0000	84.27	-.0001	.0008	.0031
Stddev	.0003	.0087	.0007	.0004	.0000	.13	.0001	.0001	.0002
%RSD	60.61	2.921	8.431	1.645	125.3	.1592	69.46	9.589	7.946
#1	-.0002	.2871	.0072	.0246	.0001	84.12	.0000	.0009	.0028
#2	-.0007	.3013	.0083	.0246	.0000	84.37	-.0001	.0008	.0032
#3	-.0004	.3029	.0085	.0253	.0000	84.33	-.0001	.0008	.0032

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	-.0001	.7842	7.493	5.901	.0239	.0032	17.20	.0007	.0002
Stddev	.0001	.0053	.030	.030	.0000	.0002	.08	.0002	.0004
%RSD	154.6	.6762	.3997	.5052	.1841	4.879	.4568	26.34	260.0
#1	.0000	.7822	7.459	5.875	.0240	.0034	17.12	.0009	.0004
#2	.0000	.7802	7.513	5.894	.0239	.0031	17.21	.0008	-.0003
#3	-.0002	.7902	7.507	5.933	.0239	.0032	17.27	.0005	.0004

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)
Avg	-.0005	.0017	1.802	.0000	.1399	.0022	-.0005	.0042	.0073
Stddev	.0012	.0003	.007	.0000	.0007	.0000	.0011	.0003	.0000
%RSD	249.8	14.74	.3681	52.66	5.185	1.651	203.4	7.844	6210
#1	.0006	.0020	1.808	.0000	.1391	.0022	.0001	.0042	.0073
#2	-.0004	.0016	1.795	.0001	.1404	.0022	.0000	.0046	.0072
#3	-.0017	.0016	1.801	.0000	.1403	.0021	-.0018	.0040	.0073

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2702.5	5480.2	41349.	3229.7
Stddev	4.1	10.3	211.	2.1
%RSD	.14988	.18872	.51139	.06638
#1	2706.2	5475.7	41182.	3231.4
#2	2698.2	5492.1	41278.	3230.4
#3	2703.0	5472.9	41587.	3227.3

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Sample Name: FA31888-4 Acquired: 3/8/2016 12:39:53 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.2349	.0005	.0084	.0000	62.90	.0000	.0001	.0027
Stddev	.0005	.0023	.0006	.0001	.000	.21	.000	.0000	.0001
%RSD	943.5	.9872	113.5	.8103	64.67	.3415	103.4	10.96	2.169
#1	-.0003	.2374	.0001	.0085	.0000	62.72	-.0001	.0001	.0027
#2	-.0002	.2328	.0003	.0084	.0000	62.83	.0000	.0001	.0028
#3	.0007	.2346	.0012	.0085	.0000	63.14	.0000	.0001	.0027

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	-.0002	.0495	7.521	3.416	.0081	.0000	8.385	.0004	.0000
Stddev	.0002	.0046	.038	.054	.0000	.0002	.015	.0000	.0008
%RSD	76.54	9.328	.5048	1.570	.1222	116.7.	.1821	12.67	322.7.
#1	-.0003	.0539	7.478	3.363	.0081	-.0002	8.369	.0003	-.0008
#2	-.0004	.0500	7.538	3.470	.0081	.0000	8.386	.0004	.0006
#3	.0000	.0447	7.547	3.414	.0081	.0001	8.400	.0004	.0003

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)
Avg	-.0013	.0010	2.197	-.0001	.1142	.0022	-.0012	.0032	.0146
Stddev	.0003	.0005	.006	.0001	.0005	.0001	.0006	.0002	.0000
%RSD	23.31	54.42	.2971	62.23	.4113	6.369	48.30	4.744	.2904
#1	-.0015	.0007	2.199	.0000	.1140	.0023	-.0008	.0033	.0146
#2	-.0010	.0007	2.202	-.0002	.1138	.0021	-.0018	.0034	.0145
#3	-.0014	.0016	2.189	-.0002	.1147	.0021	-.0009	.0031	.0146

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2748.9	5537.8	41106.	3174.0
Stddev	6.6	6.1	184.	19.4
%RSD	.23850	.10940	.44875	.61031
#1	2756.2	5542.2	41311.	3190.6
#2	2746.7	5530.9	41054.	3178.9
#3	2743.7	5540.3	40953.	3152.7

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Sample Name: FA31888-5 Acquired: 3/8/2016 12:44:19 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0005	.2589	.0004	.0099	-.0001	71.32	-.0001	.0001	.0027
Stddev	.0005	.0128	.0006	.0002	.0000	.19	.0000	.0001	.0002
%RSD	114.9	4.926	147.1	1.667	35.92	2672	11.28	113.5	9.266
#1	-.0001	.2451	.0011	.0101	-.0001	71.35	-.0001	.0002	.0030
#2	-.0011	.2612	.0000	.0097	-.0001	71.50	-.0001	.0000	.0026
#3	-.0002	.2702	.0001	.0100	-.0001	71.12	-.0001	.0001	.0025

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	-.0005	.0524	6.963	5.140	.0056	.0005	11.33	.0003	.0001
Stddev	.0001	.0027	.048	.038	.0000	.0002	.03	.0002	.0003
%RSD	25.87	5.241	.6848	.7444	.3456	36.30	.2223	69.91	280.1
#1	.0006	.0495	6.982	5.182	.0056	.0007	11.31	.0004	.0002
#2	.0004	.0549	6.999	5.130	.0056	.0003	11.36	.0001	.0003
#3									

Sample Name: FA31888-6 Acquired: 3/8/2016 12:48:47 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.2364	.0021	.0090	-0.0001	48.69	-0.0001	.0004	.0025
Stddev	.0003	.0046	.0009	.0003	.0000	.24	.0000	.0000	.0001
%RSD	227.1	1.959	42.00	3.352	49.25	4917	17.58	1.546	5.360
#1	.0000	.2376	.0024	.0092	-0.0001	48.85	-0.0001	.0004	.0024
#2	-0.0001	.2402	.0011	.0086	-0.0001	48.41	-0.0001	.0004	.0026
#3	.0004	.2312	.0027	.0091	.0000	48.79	-0.0001	.0004	.0024
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.0004	.3555	4.313	2.068	.0175	.0017	5.309	.0005	.0000
Stddev	.0003	.0017	.021	.014	.0000	.0000	.016	.0001	.000
%RSD	81.92	.4718	4.902	.6805	.2829	1.292	.2953	17.59	1289.
#1	.0006	.3557	4.326	2.054	.0175	.0017	5.315	.0005	-0.0002
#2	.0006	.3537	4.289	2.069	.0175	.0017	5.291	.0005	.0002
#3	.0000	.3570	4.325	2.082	.0176	.0016	5.321	.0004	.0000
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0001	.0012	1.915	.0000	.0728	.0034	-0.0008	.0107	.0068
Stddev	.0005	.0006	.003	.0004	.0005	.0001	.0011	.0002	.0000
%RSD	902.4	53.21	.1378	1791.	.8409	2.712	138.5	2.041	4494
#1	.0000	.0016	1.916	.0002	.0731	.0033	.0000	.0109	.0068
#2	-0.0005	.0015	1.912	.0002	.0723	.0035	-0.0021	.0107	.0069
#3	.0004	.0005	1.917	-0.0004	.0730	.0035	-0.0004	.0104	.0068
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2796.3	5586.9	42050.	3262.5					
Stddev	5.9	11.1	64.	15.2					
%RSD	.21156	.19898	.15141	.46461					
#1	2796.8	5578.1	41981.	3266.5					
#2	2801.9	5599.4	42065.	3275.4					
#3	2790.1	5583.2	42106.	3245.8					

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Sample Name: FA31888-7 Acquired: 3/8/2016 12:53:13 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0001	.1929	.0035	.0209	-0.0001	47.80	.0001	.0005	.0019
Stddev	.0003	.0045	.0010	.0006	.0001	.05	.0000	.0000	.0001
%RSD	400.4	2.350	27.45	3.084	83.78	.0973	31.56	10.16	5.437
#1	-0.0004	.1877	.0040	.0216	-0.0002	47.79	.0001	.0005	.0018
#2	.0001	.1948	.0024	.0209	.0000	47.76	.0001	.0004	.0019
#3	.0001	.1961	.0042	.0203	-0.0002	47.85	.0002	.0005	.0020
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.0003	1.118	13.94	2.339	.0180	.0100	22.20	.0002	.0003
Stddev	.0001	.009	.04	.034	.0001	.0000	.04	.0002	.0005
%RSD	33.69	.7636	.2663	1.464	.4318	.1717	.1682	98.03	158.7
#1	.0003	1.118	13.90	2.373	.0181	.0100	22.17	.0003	-0.0002
#2	.0002	1.110	13.97	2.304	.0179	.0100	22.24	.0004	.0006
#3	.0004	1.127	13.93	2.340	.0180	.0100	22.19	.0000	.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0003	.0026	1.510	-0.0001	.0651	.0029	-0.0006	.0018	.0095
Stddev	.0004	.0004	.005	.0001	.0004	.0002	.0012	.0001	.0000
%RSD	137.4	16.28	.3097	226.3	.5626	7.386	179.6	3.960	2765
#1	-0.0002	.0024	1.504	.0000	.0647	.0031	-0.0019	.0019	.0095
#2	.0006	.0022	1.512	-0.0002	.0654	.0028	.0004	.0017	.0095
#3	.0005	.0030	1.512	.0001	.0652	.0027	-0.0004	.0018	.0095
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2729.9	5588.7	41552.	3249.7					
Stddev	5.5	11.7	107.	7.4					
%RSD	.20169	.20890	.25704	.22880					
#1	2728.5	5601.8	41653.	3241.1					
#2	2735.9	5585.2	41563.	3254.4					
#3	2725.2	5579.2	41440.	3253.5					

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Sample Name: FA31888-8 Acquired: 3/8/2016 12:57:40 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0003	.0353	.0013	.0517	-0.0001	123.1	.0001	-0.0001	.0003
Stddev	.0002	.0088	.0004	.0003	.0001	.7	.0000	.0000	.0000
%RSD	82.46	24.84	32.58	.5076	120.1	6067	5.246	51.78	2.358
#1	-0.0005	.0282	.0017	.0516	.0000	122.8	.0001	-0.0001	.0003
#2	-0.0001	.0451	.0008	.0515	-0.0002	122.7	.0001	-0.0001	.0003
#3	-0.0001	.0325	.0015	.0520	.0000	124.0	.0001	.0000	.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0003	1.832	6.125	1.999	.0307	.0041	4.681	.0002	-0.0003
Stddev	.0001	.016	.080	.026	.0000	.0001	.026	.0001	.0003
%RSD	39.19	.8940	1.307	1.303	.1552	2.451	.5479	30.70	119.8
#1	.0003	1.827	6.128	1.972	.0308	.0042	4.671	.0001	-0.0006
#2	.0002	1.819	6.043	2.002	.0307	.0040	4.661	.0003	.0001
#3	.0004	1.851	6.203	2.024	.0307	.0042	4.710	.0002	-0.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0010	.0011	7.132	.0005	.2056	.0008	-0.0005	.0024	.0138
Stddev	.0004	.0007	.013	.0001	.0010	.0001	.0009	.0002	.0001
%RSD	37.29	61.79	.1804	21.34	.5099	7.336	173.8	10.27	.5911
#1	.0010	.0007	7.117	.0004	.2052	.0008	.0004	.0022	.0137
#2	.0013	.0019	7.137	.0006	.2048	.0008	-0.0015	.0024	.0139
#3	.0006	.0007	7.140	.0006	.2068	.0007	-0.0005	.0027	.0138
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2688.7	5524.3	40643.	3153.7					
Stddev	9.3	8.0	50.	28.5					
%RSD	.34760	.14469	.12401	.90399					
#1	2699.0	5533.3	40595.	3153.6					
#2	2686.3	5521.8	40696.	3182.2					
#3	2680.8	5517.9	40637.	3125.2					

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Sample Name: FA31888-9 Acquired: 3/8/2016 13:02:05 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0007	.1992	.0000	.0076	.0000	62.24	.0000	.0001	.0011
Stddev	.0006	.0107	.001	.0004	.000	.19	.000	.0000	.0002
%RSD	85.02	5.368	5664.	5.307	299.4	2980	207.0	15.91	15.74
#1	-0.0010	.1869	-0.0012	.0071	.0001	62.34	.0000	.0001	.0011
#2	-0.0012	.2046	.0010	.0078	-0.0001	62.36	-0.0001	.0001	.0010
#3	.0000	.2062	.0002	.0078	-0.0001	62.03	.0000	.0001	.0013
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0001	.0291	2.451	1.925	.0158	.0004	4.574	.0002	.0002
Stddev	.0002	.0029	.047	.028	.0000	.0002	.019	.0001	.0004
%RSD	286.2	10.02	1.913	1.434	.2165	41.93	4.119	64.21	235.2
#1	.0002	.0298	2.493	1.903	.0158	.0002	4.590	.00	

Sample Name: CCV Acquired: 3/8/2016 13:06:30 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2517	41.07	2.020	2.042	2.055	40.65	2.050	2.050	2.074
Stddev	.0008	.21	.004	.004	.012	.23	.002	.002	.013
%RSD	.3187	.5032	.2071	.1759	.6048	.5713	.0867	.0973	.6191

#1	.2519	41.31	2.018	2.046	2.070	40.91	2.052	2.052	2.077
#2	.2524	40.95	2.017	2.039	2.048	40.47	2.049	2.050	2.085
#3	.2508	40.95	2.025	2.041	2.048	40.56	2.049	2.048	2.060

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.029	40.39	41.08	40.69	2.058	2.068	41.12	2.042	1.988
Stddev	.004	.28	.19	.47	.039	.002	.16	.002	.004
%RSD	.1896	.6817	.4540	1.154	1.897	.0750	.3954	.0885	.2248

#1	2.031	40.71	41.29	41.23	2.075	2.070	41.31	2.043	1.992
#2	2.021	40.24	41.04	40.35	2.085	2.067	41.02	2.042	1.983
#3	2.024	40.21	40.92	40.49	2.013	2.068	41.04	2.040	1.990

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.021	2.029	1.998	2.068	2.038	2.075	2.005	2.051	2.048
Stddev	.000	.004	.001	.003	.007	.012	.007	.009	.004
%RSD	.0209	.1807	.0585	.1193	.3657	.5566	.3587	.4632	.1904

#1	2.021	2.031	1.997	2.069	2.047	2.080	2.006	2.053	2.051
#2	2.021	2.032	1.998	2.069	2.033	2.084	1.997	2.059	2.050
#3	2.021	2.025	1.999	2.065	2.035	2.062	2.011	2.041	2.044

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: CCV Acquired: 3/8/2016 13:06:30 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2511.4	5425.3	40273.	3147.2
Stddev	4.3	.9	282.	34.3
%RSD	.17181	.01723	.69995	1.0889

#1	2508.1	5426.4	40196.	3108.8
#2	2516.3	5424.7	40038.	3174.6
#3	2509.7	5424.8	40586.	3158.1

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Sample Name: CCB Acquired: 3/8/2016 13:10:44 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	.0060	.0002	-0.0001	.0002	.0023	.0001	.0000	-0.0001
Stddev	.0005	.0082	.0003	.0005	.0000	.0009	.0000	.0001	.0002
%RSD	179.7	136.2	140.2	473.3	18.09	39.97	50.24	3974.	207.3

#1	.0001	.0150	.0002	.0004	.0001	.0020	.0001	.0001	.0000
#2	-.0009	.0044	.0004	-.0004	.0001	.0034	.0001	-.0001	-.0003
#3	-.0001	-.0013	-.0001	-.0003	.0002	.0016	.0000	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0103	.0696	-0.0154	.0001	.0008	.0305	.0000	.0006
Stddev	.0001	.0011	.0202	.0179	.0000	.0003	.0030	.0001	.0003
%RSD	569.9	10.19	29.02	116.2	40.05	41.16	9.807	430.0	45.24

#1	.0001	.0114	.0759	-.0209	.0001	.0011	.0300	.0001	.0009
#2	-.0001	.0103	.0470	.0046	.0000	.0007	.0278	.0000	.0005
#3	.0000	.0093	.0858	-.0299	.0001	.0005	.0337	.0000	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	.0015	.0012	.0000	.0001	.0008	-0.0006	.0001	.0000
Stddev	.0006	.0021	.0000	.0002	.0000	.0000	.0006	.0001	.000
%RSD	550.3	138.1	3.290	596.2	65.02	5.162	102.3	117.7	111.4

#1	-.0008	.0022	.0012	.0002	.0001	.0008	-.0004	.0001	-.0001
#2	.0002	.0032	.0013	.0002	.0000	.0009	-.0001	.0000	.0000
#3	.0003	-.0008	.0012	-.0002	.0001	.0008	-.0013	.0001	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

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Sample Name: CCB Acquired: 3/8/2016 13:10:44 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3005.1	5805.6	43723.	3281.3
Stddev	6.1	16.1	167.	37.3
%RSD	.20338	.27785	.38199	1.1356

#1	3011.7	5824.0	43591.	3298.1
#2	3004.1	5799.2	43667.	3307.2
#3	2999.6	5793.7	43911.	3238.6

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Sample Name: FA31888-10 Acquired: 3/8/2016 13:15:15 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1-3, Int. Std., Avg, Stddev, %RSD, #1-3).

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Sample Name: FA31888-12 Acquired: 3/8/2016 13:24:08 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1-3, Int. Std., Avg, Stddev, %RSD, #1-3).

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Sample Name: FA31888-11 Acquired: 3/8/2016 13:19:43 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1-3, Int. Std., Avg, Stddev, %RSD, #1-3).

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Sample Name: FA31890-9 Acquired: 3/8/2016 13:28:35 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1-3, Int. Std., Avg, Stddev, %RSD, #1-3).

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Sample Name: FA31929-31 Acquired: 3/8/2016 13:33:03 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.0492	-0.0003	0.0191	-0.0001	34.51	0.0000	0.0000	0.0000
Stddev	0.0002	0.0082	0.0004	0.0007	0.0000	0.23	0.000	0.0001	0.0002
%RSD	157.0	16.69	134.5	3.685	35.62	0.7666	135.0	368.4	1486.
#1	-0.004	0.0454	-0.0006	0.0197	-0.0001	34.28	-0.0001	-0.0001	0.0000
#2	0.0000	0.0436	0.0001	0.0192	-0.0001	34.74	0.0000	0.0001	0.0003
#3	0.0000	0.0587	-0.0004	0.0183	-0.0001	34.52	0.0000	0.0001	-0.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0133	0.0064	1.029	8.108	0.0026	-0.0004	10.84	0.0041	0.0004
Stddev	0.0001	0.0009	0.020	0.045	0.0000	0.0002	0.06	0.0001	0.0005
%RSD	1.088	13.87	1.913	0.5521	1.136	48.04	0.5592	1.219	113.4
#1	0.0132	0.0063	1.050	8.079	0.0026	-0.0004	10.78	0.0042	-0.0001
#2	0.0133	0.0056	1.024	8.160	0.0027	-0.0005	10.89	0.0041	0.0005
#3	0.0135	0.0074	1.012	8.085	0.0026	-0.0002	10.87	0.0041	0.0009
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0006	-0.0002	4.838	-0.0002	0.5308	0.0009	-0.0019	-0.0002	0.0957
Stddev	0.0005	0.0009	0.007	0.0001	0.0029	0.0001	0.011	0.0001	0.0001
%RSD	71.60	488.2	0.1363	41.20	0.5494	14.72	56.24	61.21	0.0681
#1	-0.0004	0.0009	4.830	-0.0002	0.5274	0.0007	-0.0027	-0.0002	0.0957
#2	-0.0012	-0.0007	4.842	-0.0001	0.5328	0.0009	-0.0007	-0.0001	0.0958
#3	-0.0004	-0.0007	4.841	-0.0003	0.5321	0.0010	-0.0024	-0.0004	0.0957
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2796.1	5589.9	4204.2	3222.4					
Stddev	7.5	12.7	111.	41.9					
%RSD	0.26860	0.22713	0.26446	1.3012					
#1	2792.8	5601.9	42159.	3265.8					
#2	2804.7	5591.3	42029.	3182.1					
#3	2790.7	5576.6	41938.	3219.3					

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Sample Name: FA31931-32 Acquired: 3/8/2016 13:37:29 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0003	0.0431	0.0005	0.0170	-0.0001	34.69	-0.0001	0.0001	-0.0002
Stddev	0.0006	0.0047	0.0000	0.0003	0.0001	0.09	0.0000	0.0002	0.0001
%RSD	204.2	10.86	7.839	1.508	135.3	0.2592	51.90	129.1	59.99
#1	-0.0009	0.0470	0.0006	0.0167	0.0000	34.63	-0.0001	0.0002	-0.0004
#2	0.0002	0.0444	0.0005	0.0170	-0.0001	34.80	0.0000	0.0002	-0.0002
#3	-0.0001	0.0379	0.0005	0.0173	-0.0001	34.66	0.0000	-0.0001	-0.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0050	-0.0051	1.024	8.306	0.0025	-0.0005	10.53	0.0043	0.0002
Stddev	0.0002	0.0033	0.058	0.036	0.0000	0.0000	0.04	0.0002	0.0002
%RSD	3.159	63.65	5.704	0.4302	1.969	9.140	0.4167	3.641	82.76
#1	0.0051	-0.0087	1.060	8.303	0.0024	-0.0005	10.50	0.0044	0.0002
#2	0.0048	-0.0022	1.055	8.344	0.0025	-0.0004	10.58	0.0042	0.0000
#3	0.0051	-0.0045	0.9567	8.273	0.0025	-0.0005	10.51	0.0044	0.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0005	0.0011	4.795	-0.0003	0.5436	0.0005	-0.0015	-0.0002	0.0952
Stddev	0.0006	0.0011	0.013	0.0002	0.0007	0.0000	0.0007	0.0001	0.0003
%RSD	117.1	100.7	0.2612	70.67	0.1346	7.847	47.98	35.26	0.2693
#1	0.0002	0.0007	4.781	-0.0002	0.5430	0.0005	-0.0024	-0.0002	0.0950
#2	-0.0007	0.0002	4.799	-0.0006	0.5444	0.0006	-0.0012	-0.0001	0.0952
#3	-0.0009	0.0023	4.805	-0.0002	0.5433	0.0005	-0.0010	-0.0003	0.0955
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2791.8	5590.0	4168.1	3203.4					
Stddev	11.3	13.7	158.	20.3					
%RSD	0.40337	0.24484	0.37981	0.63435					
#1	2803.8	5605.3	41857.	3204.0					
#2	2781.4	5579.1	41552.	3182.8					
#3	2790.3	5585.4	41633.	3223.5					

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Sample Name: FA31932-4 Acquired: 3/8/2016 13:41:56 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0000	0.0812	0.0007	0.0174	0.0000	35.25	-0.0001	0.0001	0.0003
Stddev	0.001	0.0062	0.0002	0.0006	0.000	0.03	0.0000	0.0001	0.0002
%RSD	122.4	7.594	36.45	3.294	119.4	0.903	39.49	71.76	80.57
#1	0.0000	0.0746	0.0004	0.0177	0.0000	35.24	0.0000	0.0002	0.0004
#2	0.0005	0.0868	0.0009	0.0177	0.0000	35.28	-0.0001	0.0001	0.0004
#3	-0.0007	0.0823	0.0008	0.0167	-0.0001	35.22	-0.0001	0.0000	0.0000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0048	0.0156	0.9993	8.460	0.0028	-0.0004	10.52	0.0044	-0.0001
Stddev	0.0002	0.0023	0.0288	0.041	0.0001	0.0001	0.02	0.0001	0.0004
%RSD	4.323	14.62	2.886	0.4803	2.063	23.63	0.1791	3.082	537.5
#1	0.0050	0.0145	0.9714	8.416	0.0028	-0.0003	10.51	0.0045	-0.0005
#2	0.0046	0.0182	0.9976	8.467	0.0029	-0.0005	10.51	0.0045	0.0003
#3	0.0047	0.0141	1.029	8.496	0.0028	-0.0004	10.54	0.0043	0.0000
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0006	0.0010	4.793	-0.0002	0.5507	0.0033	-0.0014	-0.0002	0.0305
Stddev	0.0007	0.0015	0.003	0.0002	0.0005	0.0035	0.0005	0.0001	0.0001
%RSD	130.0	150.2	0.0531	111.3	0.0944	104.5	37.84	82.17	0.4473
#1	-0.0014	0.0024	4.795	-0.0000	0.5503	0.0013	-0.0016	0.0000	0.0303
#2	-0.0003	0.0011	4.790	-0.0004	0.5504	0.0074	-0.0018	-0.0002	0.0305
#3	0.0000	-0.0006	4.794	-0.0003	0.5513	0.0013	-0.0008	-0.0003	0.0306
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2791.7	5585.9	4157.0	3164.6					
Stddev	8.2	10.2	85.	15.8					
%RSD	0.29323	0.18249	0.20412	0.49945					
#1	2799.5	5596.0	41626.	3182.0					
#2	2792.3	5586.0	41612.	3160.7					
#3	2783.2	5575.6	41472.	3151.2					

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Sample Name: FA31908-1 Acquired: 3/8/2016 13:46:22 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0004	0.2209	0.0029	0.0208	0.0000	130.4	-0.0001	0.0005	0.0026
Stddev	0.0002	0.0037	0.0004	0.0005	0.000	0.4	0.0000	0.0000	0.0002
%RSD	56.21	1.669	14.83	2.363	365.3	2.993	64.12	3.733	6.128
#1	-0.0005	0.2193	0.0033						

Sample Name: FA31908-3 Acquired: 3/8/2016 13:50:49 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	.1311	.0003	.0125	-0.001	67.12	-0.001	.0001	.0012
Stddev	.0002	.0112	.0006	.0003	.0000	.04	.0001	.0001	.0000
%RSD	72.20	8.552	226.6	2.271	41.55	.0631	83.89	108.7	3.344
#1	-.0004	.1407	-.0004	.0122	-.0001	67.11	-.0001	.0000	.0012
#2	-.0000	.1188	.0008	.0128	-.0001	67.17	-.0001	.0002	.0012
#3	-.0004	.1337	.0004	.0126	-.0002	67.08	.0000	.0001	.0012
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0002	.1374	2.184	3.081	.0276	.0020	2.692	.0001	-0.002
Stddev	.0001	.0040	.021	.025	.0001	.0001	.011	.0001	.0007
%RSD	35.36	2.900	.9433	.8281	.2695	6.084	.4065	78.10	436.2
#1	.0003	.1410	2.200	3.105	.0276	.0019	2.683	.0001	.0004
#2	.0002	.1381	2.161	3.085	.0276	.0020	2.704	.0001	.0000
#3	.0002	.1331	2.191	3.054	.0277	.0022	2.689	.0003	-.0009
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(In2306)
Avg	-0.003	-0.002	2.788	-0.003	.1193	.0020	-0.022	.0064	.0079
Stddev	.0011	.0007	.010	.0000	.0006	.0001	.0012	.0002	.0001
%RSD	314.9	378.2	.3434	11.57	.5388	4.716	55.21	3.800	1.181
#1	-.0012	-.0001	2.777	-.0003	.1186	.0019	-.0036	.0063	.0079
#2	.0008	.0005	2.796	-.0002	.1199	.0021	-.0020	.0062	.0079
#3	-.0006	-.0010	2.791	-.0003	.1195	.0019	-.0012	.0067	.0080
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2710.3	5391.3	40754.	3172.6					
Stddev	4.8	10.2	98.	12.5					
%RSD	.17776	.18979	.24085	.39394					
#1	2709.2	5398.2	40726.	3158.2					
#2	2715.5	5379.5	40864.	3180.2					
#3	2706.1	5396.1	40674.	3179.5					

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Sample Name: FA31908-4 Acquired: 3/8/2016 13:55:17 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	.2167	.0001	.0248	.0000	101.2	-0.001	.0000	.0012
Stddev	.0004	.0056	.0004	.0003	.000	.6	.0000	.0001	.0002
%RSD	358.9	2.597	287.1	1.143	44.88	.6327	89.07	906.6	20.22
#1	.0001	.2161	-.0001	.0249	.0000	101.0	-.0001	.0000	.0011
#2	-.0005	.2113	-.0001	.0250	-.0001	100.8	.0000	.0002	.0010
#3	.0001	.2225	.0006	.0245	.0000	102.0	.0000	-.0001	.0015
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.003	.0142	3.996	7.411	.0514	.0000	37.83	.0005	-0.001
Stddev	.0001	.0011	.060	.052	.0001	.0000	.26	.0001	.0003
%RSD	43.62	8.071	1.504	.7069	.1027	106.3	.6780	15.57	254.1
#1	-.0002	.0132	3.977	7.373	.0514	.0001	37.71	.0006	.0003
#2	-.0002	.0140	3.948	7.388	.0514	.0001	37.66	.0004	-.0003
#3	-.0004	.0155	4.064	7.471	.0515	.0000	38.13	.0004	-.0003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(In2306)
Avg	-0.016	.0016	4.249	-0.002	.2208	.0019	-0.021	.0010	.0159
Stddev	.0002	.0010	.007	.0003	.0009	.0001	.0012	.0002	.0000
%RSD	13.79	64.70	.1766	164.1	.4179	6.876	58.72	20.13	.1761
#1	-.0015	.0026	4.243	.0001	.2204	.0019	-.0007	.0011	.0159
#2	-.0018	.0016	4.257	-.0002	.2201	.0021	-.0027	.0008	.0159
#3	-.0014	.0005	4.248	-.0006	.2218	.0018	-.0030	.0011	.0159
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2632.0	5359.2	40084.	3134.4					
Stddev	5.8	6.7	147.	3.1					
%RSD	.21880	.12535	.36790	.09920					
#1	2632.9	5365.7	40219.	3137.7					
#2	2625.8	5352.3	40107.	3134.0					
#3	2637.2	5359.7	39927.	3131.6					

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Sample Name: CCV Acquired: 3/8/2016 13:59:42 Type: QC
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.505	40.93	2.006	2.035	2.039	40.38	2.048	2.048	2.067
Stddev	.0006	.13	.001	.005	.008	.10	.001	.001	.004
%RSD	.2407	.3295	.0237	.2498	.4086	.2380	.0632	.0667	.2171
#1	.2502	40.83	2.007	2.030	2.033	40.34	2.049	2.048	2.064
#2	.2512	40.87	2.006	2.038	2.034	40.32	2.047	2.050	2.063
#3	.2501	41.08	2.006	2.039	2.048	40.49	2.047	2.047	2.072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.016	40.17	41.01	40.50	2.068	2.067	40.97	2.038	1.989
Stddev	.010	.15	.07	.28	.003	.002	.03	.001	.002
%RSD	.4904	.3806	.1819	.6962	.1402	.0719	.0836	.0507	.1207
#1	2.016	40.17	41.10	40.74	2.065	2.066	40.98	2.038	1.991
#2	2.025	40.02	40.99	40.19	2.071	2.069	40.93	2.037	1.986
#3	2.006	40.33	40.96	40.57	2.068	2.067	40.99	2.039	1.990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.008	2.016	1.988	2.061	2.026	2.065	2.006	2.043	2.048
Stddev	.001	.004	.003	.003	.003	.001	.001	.002	.004
%RSD	.0451	.1927	.1262	.1243	.1466	.0420	.0698	.0830	.1903
#1	2.008	2.013	1.987	2.062	2.026	2.065	2.005	2.042	2.052
#2	2.008	2.020	1.990	2.058	2.022	2.065	2.004	2.045	2.044
#3	2.007	2.014	1.985	2.062	2.028	2.064	2.007	2.043	2.049
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 3/8/2016 13:59:42 Type: QC
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2516.2	5437.0	40133.	3107.2
Stddev	4.5	9.8	62.	22.0
%RSD	.17881	.18080	.15474	.70929
#1	2519.7	5447.8	40083.	3106.3
#2	2517.8	5434.8	40202.	3129.7
#3	2511.2	5428.5	40113.	3085.7

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Sample Name: CCB Acquired: 3/8/2016 14:03:53 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0103	.0002	.0003	.0001	.0069	.0001	.0000	.0001
Stddev	.0003	.0104	.0011	.0002	.0001	.0050	.0001	.0001	.0000
%RSD	133.9	101.0	550.0	62.17	74.18	73.32	120.5	155.6	24.34
#1	.0002	.0223	.0013	.0005	.0002	.0122	.0001	.0001	.0001
#2	-.0001	.0049	-.0010	.0004	.0001	.0022	.0001	.0000	.0001
#3	.0005	.0037	.0003	.0001	.0000	.0062	.0000	.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0127	.0697	-.0025	.0000	.0010	.0327	.0002	.0010
Stddev	.0002	.0061	.0545	.0096	.0000	.0002	.0064	.0001	.0003
%RSD	106.7	48.16	78.16	381.1	119.6	17.02	19.62	64.60	35.05
#1	.0003	.0193	.1058	.0061	.0000	.0011	.0303	.0003	.0014
#2	.0000	.0114	.0070	-.0008	.0001	.0010	.0400	.0001	.0008
#3	.0002	.0073	.0963	-.0129	.0000	.0008	.0279	.0002	.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0000	.0014	.0003	.0001	.0009	-.0015	.0001	-.0001
Stddev	.0003	.000	.0003	.0002	.0001	.0001	.0005	.0002	.0000
%RSD	191.3	775.2	21.10	57.05	69.95	5.751	33.36	168.1	34.12
#1	-.0002	-.0004	.0014	.0001	.0002	.0010	-.0016	.0001	.0000
#2	.0003	-.0002	.0012	.0004	.0002	.0010	-.0010	-.0001	-.0001
#3	.0004	.0004	.0018	.0003	.0000	.0009	-.0020	.0002	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/8/2016 14:03:53 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2980.8	5703.9	42703.	3143.0
Stddev	5.1	10.4	165.	5.7
%RSD	.16947	.18257	.38728	.18257
#1	2986.3	5715.7	42618.	3149.1
#2	2976.4	5696.0	42894.	3137.7
#3	2979.6	5700.1	42597.	3142.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0127	.0697	-.0025	.0000	.0010	.0327	.0002	.0010
Stddev	.0002	.0061	.0545	.0096	.0000	.0002	.0064	.0001	.0003
%RSD	106.7	48.16	78.16	381.1	119.6	17.02	19.62	64.60	35.05
#1	.0003	.0193	.1058	.0061	.0000	.0011	.0303	.0003	.0014
#2	.0000	.0114	.0070	-.0008	.0001	.0010	.0400	.0001	.0008
#3	.0002	.0073	.0963	-.0129	.0000	.0008	.0279	.0002	.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0000	.0014	.0003	.0001	.0009	-.0015	.0001	-.0001
Stddev	.0003	.000	.0003	.0002	.0001	.0001	.0005	.0002	.0000
%RSD	191.3	775.2	21.10	57.05	69.95	5.751	33.36	168.1	34.12
#1	-.0002	-.0004	.0014	.0001	.0002	.0010	-.0016	.0001	.0000
#2	.0003	-.0002	.0012	.0004	.0002	.0010	-.0010	-.0001	-.0001
#3	.0004	.0004	.0018	.0003	.0000	.0009	-.0020	.0002	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: FA31923-1 Acquired: 3/8/2016 14:08:23 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0008	29.10	.0260	.3865	.0011	27.97	-.0002	.0022	.0397
Stddev	.0003	.16	.0005	.0023	.0001	.18	.0001	.0000	.0002
%RSD	36.39	557.3	2.103	60.21	7.176	6.310	29.07	1.323	518.0
#1	-.0012	29.22	.0266	.3882	.0012	28.15	-.0002	.0022	.0398
#2	-.0006	29.15	.0255	.3873	.0011	27.96	-.0002	.0023	.0394
#3	-.0007	28.91	.0260	.3838	.0010	27.79	-.0001	.0023	.0398

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0131	54.94	3.205	5.884	.1723	-.0003	26.24	.0059	.0383
Stddev	.0000	.33	.016	.033	.0010	.0002	.12	.0002	.0010
%RSD	.2811	.6076	.4847	.5595	.5556	61.56	4.581	3.173	2.522
#1	.0130	55.26	3.222	5.888	.1718	-.0002	26.37	.0061	.0373
#2	.0130	54.95	3.192	5.915	.1717	-.0001	26.24	.0060	.0393
#3	.0131	54.60	3.202	5.850	.1734	-.0005	26.13	.0057	.0382

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0009	-.0004	35.63	.0049	2.184	.0349	-.0014	.0661	.0380
Stddev	.0007	.0014	.06	.0004	.0009	.0001	.0004	.0005	.0002
%RSD	83.63	316.2	.1693	7.899	.4228	.3693	26.41	.8009	.4468
#1	.0017	.0008	35.66	.0048	.2193	.0348	-.0011	.0657	.0381
#2	.0003	-.0002	35.57	.0054	.2183	.0348	-.0013	.0660	.0378
#3	.0006	-.0020	35.68	.0046	.2175	.0350	-.0018	.0667	.0381

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2734.3	5731.6	42926.	3319.3
Stddev	6.6	7.4	206.	24.2
%RSD	.23996	.12833	.48032	.72957
#1	2726.7	5725.5	43127.	3300.2
#2	2738.3	5729.5	42934.	3311.3
#3	2737.9	5739.8	42715.	3346.6

Sample Name: FA31923-2 Acquired: 3/8/2016 14:12:45 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0001	4.014	.0190	.2446	.0004	22.99	-.0001	.0031	.0042
Stddev	.0007	.035	.0008	.0013	.0000	.11	.0000	.0000	.0002
%RSD	490.6	.8607	4.145	.5354	10.54	.4988	23.00	1.147	4.124
#1	-.0001	4.028	.0184	.2431	.0004	22.93	-.0001	.0031	.0044
#2	.0005	4.040	.0188	.2450	.0004	23.13	-.0001	.0031	.0041
#3	-.0009	3.975	.0199	.2456	.0004	22.93	-.0001	.0032	.0042

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0015	8.004	2.140	4.253	.1447	-.0001	18.50	.0085	.0010
Stddev	.0005	.043	.051	.027	.0001	.0000	.06	.0002	.0001
%RSD	32.35	.5347	2.361	.6418	.0595	9.232	.3081	2.064	14.63
#1	.0020	7.996	2.161	4.268	.1446	-.0001	18.46	.0085	.0008
#2	.0013	8.051	2.082	4.270	.1447	-.0001	18.57	.0083	.0010
#3	.0011	7.966	2.176	4.222	.1448	-.0002	18.48	.0087	.0011

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0006	-.0001	16.85	.0029	.1819	.1523	-.0014	.0061	.0734
Stddev	.0009	.0011	.10	.0004	.0004	.0106	.0004	.0002	.0003
%RSD	161.1	1667.	.5770	13.13	.2218	6.936	25.56	2.688	.4227
#1	.0002	.0008	16.78	.0033	.1818	.1418	-.0018	.0062	.0731
#2	-.0003	-.0013	16.96	.0027	.1823	.1629	-.0013	.0062	.0735
#3	-.0016	.0003	16.81	.0026	.1815	.1522	-.0011		

Sample Name: MP30078-MB1 Acquired: 3/8/2016 14:17:09 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0028	-0.0004	.0003	-0.0002	.0753	-0.0001	-0.0001	.0000
Stddev	.0004	.0049	.0005	.0003	.0001	.0017	.0000	.0000	.0003
%RSD	357.7	176.2	132.7	101.0	48.18	2.247	27.25	24.11	1712.
#1	-.0001	-.0024	.0000	.0001	-.0003	.0770	-.0001	-.0001	.0001
#2	-.0003	.0074	-.0010	.0007	-.0002	.0753	-.0001	-.0001	.0003
#3	-.0005	.0033	-.0001	.0002	-.0001	.0736	-.0001	.0000	-.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0133	.1389	.0076	.0005	-0.0003	.0885	.0004	.0009
Stddev	.0001	.0020	.0135	.0396	.0000	.0000	.0093	.0001	.0003
%RSD	9.825	15.27	9.702	521.5	1.638	9.529	10.51	25.81	33.32
#1	.0006	.0110	.1343	.0498	.0005	-.0004	.0784	.0005	.0008
#2	.0008	.0150	.1540	-.0286	.0005	-.0003	.0967	.0004	.0013
#3	.0008	.0140	.1283	.0015	.0006	-.0003	.0903	.0003	.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.0007	.0146	.0215	.0001	.0000	-0.0010	-0.0001	F .0125
Stddev	.0005	.0010	.0029	.0002	.0000	.0001	.0005	.0001	.0001
%RSD	531.7	140.0	20.06	1.069	8.269	145.1	46.36	120.0	.8027
#1	.0002	-.0019	.0131	.0217	.0001	-.0001	-.0009	-.0002	.0127
#2	.0002	.0002	.0180	.0213	.0001	.0000	-.0015	-.0001	.0125
#3	-.0007	-.0005	.0128	.0214	.0001	.0000	-.0006	.0000	.0125

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail
 High Limit .0100
 Low Limit -.0100

Sample Name: MP30078-MB1 Acquired: 3/8/2016 14:17:09 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2997.3	5731.4	43630.	3206.2
Stddev	3.6	10.7	196.	17.5
%RSD	.11916	.18611	.44895	.54469
#1	2997.9	5738.1	43854.	3219.4
#2	3000.5	5719.1	43490.	3212.8
#3	2993.5	5736.9	43547.	3186.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0133	.1389	.0076	.0005	-0.0003	.0885	.0004	.0009
Stddev	.0001	.0020	.0135	.0396	.0000	.0000	.0093	.0001	.0003
%RSD	9.825	15.27	9.702	521.5	1.638	9.529	10.51	25.81	33.32
#1	.0006	.0110	.1343	.0498	.0005	-.0004	.0784	.0005	.0008
#2	.0008	.0150	.1540	-.0286	.0005	-.0003	.0967	.0004	.0013
#3	.0008	.0140	.1283	.0015	.0006	-.0003	.0903	.0003	.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.0007	.0146	.0215	.0001	.0000	-0.0010	-0.0001	F .0125
Stddev	.0005	.0010	.0029	.0002	.0000	.0001	.0005	.0001	.0001
%RSD	531.7	140.0	20.06	1.069	8.269	145.1	46.36	120.0	.8027
#1	.0002	-.0019	.0131	.0217	.0001	-.0001	-.0009	-.0002	.0127
#2	.0002	.0002	.0180	.0213	.0001	.0000	-.0015	-.0001	.0125
#3	-.0007	-.0005	.0128	.0214	.0001	.0000	-.0006	.0000	.0125

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail
 High Limit .0100
 Low Limit -.0100

Sample Name: MP30078-B1 Acquired: 3/8/2016 14:21:41 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0497	30.66	2.081	2.205	.0558	27.88	.0544	.5415	.2200
Stddev	.0008	.17	.004	.008	.0004	.44	.0002	.0020	.0011
%RSD	1.583	.5691	.2012	.3458	.6438	1.589	4.186	.3666	.5181
#1	.0489	30.48	2.077	2.196	.0554	27.91	.0541	.5393	.2187
#2	.0505	30.66	2.085	2.207	.0561	27.42	.0546	.5420	.2206
#3	.0497	30.83	2.082	2.211	.0558	28.30	.0544	.5432	.2208

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2717	29.11	28.27	27.92	.5553	.5568	28.65	.5441	.5109
Stddev	.0004	.33	.21	.71	.0006	.0016	.15	.0005	.0030
%RSD	.1504	1.119	.7379	2.551	.1029	.2864	.5304	.0964	.5849
#1	.2718	29.19	28.13	28.14	.5547	.5550	28.48	.5435	.5115
#2	.2721	28.75	28.18	27.13	.5553	.5572	28.71	.5444	.5135
#3	.2713	29.38	28.51	28.50	.5559	.5581	28.77	.5444	.5076

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5233	2.113	.0276	.5819	.5500	.5641	2.059	.5033	.5420
Stddev	.0044	.011	.0010	.0002	.0023	.0013	.001	.0009	.0012
%RSD	.8489	.5023	3.743	.0397	.4214	.2310	.0564	.1813	.2193
#1	.5182	2.101	.0264	.5817	.5480	.5627	2.057	.5023	.5409
#2	.5263	2.120	.0284	.5821	.5494	.5653	2.059	.5037	.5433
#3	.5253	2.118	.0281	.5818	.5525	.5643	2.060	.5040	.5418

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30078-B1 Acquired: 3/8/2016 14:21:41 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2639.4	5522.3	41115.	3161.0
Stddev	3.8	7.8	215.	42.2
%RSD	.14520	.14115	.52180	1.3350
#1	2638.7	5523.1	41359.	3169.5
#2	2643.5	5529.6	41031.	3198.3
#3	2635.9	5514.1	40956.	3115.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2717	29.11	28.27	27.92	.5553	.5568	28.65	.5441	.5109
Stddev	.0004	.33	.21	.71	.0006	.0016	.15	.0005	.0030
%RSD	.1504	1.119	.7379	2.551	.1029	.2864	.5304	.0964	.5849
#1	.2718	29.19	28.13	28.14	.5547	.5550	28.48	.5435	.5115
#2	.2721	28.75	28.18	27.13	.5553	.5572	28.71	.5444	.5135
#3	.2713	29.38	28.51	28.50	.5559	.5581	28.77	.5444	.5076

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5233	2.113	.0276	.5819	.5500	.5641	2.059	.5033	.5420
Stddev	.0044	.011	.0010	.0002	.0023	.0013	.001	.0009	.0012
%RSD	.8489	.5023	3.743	.0397	.4214	.2310	.0564	.1813	.2193
#1	.5182	2.101	.0264	.5817	.5480	.5627	2.057	.5023	.5409
#2	.5263	2.120	.0284	.5821	.5494	.5653	2.059	.5037	.5433
#3	.5253	2.118	.0281	.5818	.5525	.5643	2.060	.5040	.5418

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30078-B2 Acquired: 3/8/2016 14:25:54 Type: QC
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :

Table with 10 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include Avg, Stddev, %RSD and sample results #1, #2, #3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 10 columns: Elem, Units, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Avg, Stddev, %RSD and sample results #1, #2, #3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 10 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and sample results #1, #2, #3.

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
Value Range

Sample Name: MP30078-B2 Acquired: 3/8/2016 14:25:54 Type: QC
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and sample results #1, #2, #3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and sample results #1, #2, #3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and sample results #1, #2, #3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Sample Name: FA31748-1A Acquired: 3/8/2016 14:30:09 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :

Table with 10 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 10 columns: Elem, Units, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 10 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 4 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and sample results #1, #2, #3.

Sample Name: CRIA Acquired: 3/8/2016 14:34:38 Type: Unk
Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :

Table with 10 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 10 columns: Elem, Units, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 10 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 4 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and sample results #1, #2, #3.

Sample Name: ICSA Acquired: 3/8/2016 14:39:03 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.007	F 503.5	.0000	.0007	.0001	489.9	-0.002	.0001	.0004
Stddev	.0003	1.3	.0016	.0003	.0000	3.5	.0001	.0000	.0001
%RSD	40.23	.2677	3917.	42.10	24.61	.7183	29.34	17.13	21.15
#1	-0.007	503.0	.0018	.0010	.0002	486.1	-0.002	.0001	.0005
#2	-0.010	505.0	-0.006	.0007	.0001	493.1	-0.002	.0001	.0005
#3	-0.004	502.4	-0.011	.0004	.0002	490.3	-0.001	.0001	.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0005	183.5	.7895	F 514.0	.0005	.0001	.7654	-0.001	-0.0044
Stddev	.0003	.5	.0383	1.6	.0001	.0003	.0146	.0003	.0008
%RSD	53.76	.2676	4.974	.3062	15.90	616.9	1.905	333.8	17.46
#1	.0006	183.6	.7271	513.4	.0005	-0.001	.7488	-0.005	-0.0036
#2	.0008	184.0	.8014	515.8	.0005	-0.002	.7760	-0.002	-0.0051
#3	.0002	183.0	.7802	512.9	.0004	.0004	.7715	.0000	-0.0046
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0022	-0.011	.0274	.0032	.0002	.0005	.0023	.0006	-0.0015
Stddev	.0019	.0063	.0011	.0004	.0001	.0002	.0011	.0001	.0000
%RSD	88.61	565.9	4.068	12.32	44.91	35.86	48.86	20.13	2.554
#1	.0014	-0.057	.0261	.0035	.0002	.0005	.0027	.0007	-0.0016
#2	.0007	.0061	.0279	.0027	.0003	.0007	.0031	.0005	-0.0016
#3	.0044	-0.037	.0281	.0033	.0002	.0004	.0010	.0005	-0.0015
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2232.4	4946.7	3608.7	2895.6					
Stddev	2.9	16.1	208.	7.6					
%RSD	.13175	.32615	.57571	.26218					
#1	2233.0	4961.8	36022.	2904.4					
#2	2235.0	4948.5	36319.	2890.7					
#3	2229.2	4929.7	35919.	2891.8					

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Sample Name: ICSAB Acquired: 3/8/2016 14:43:32 Type: Unk
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F 1.124	F 533.9	1.123	.5803	.5738	F 501.2	1.040	.5304	.5380
Stddev	.003	5.7	.003	.0023	.0024	9.2	.004	.0015	.0021
%RSD	.2520	1.064	.2527	.3999	.4207	1.833	.3468	.2809	.3880
#1	1.123	535.4	1.120	.5782	.5749	508.8	1.037	.5288	.5362
#2	1.121	527.6	1.124	.5798	.5710	491.0	1.040	.5305	.5377
#3	1.127	538.6	1.125	.5828	.5754	503.9	1.044	.5318	.5403
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5881	193.2	.0817	F 523.4	.5523	.9939	.1563	1.032	1.017
Stddev	.0007	1.1	.0040	4.1	.0016	.0036	.0055	.003	.000
%RSD	.1228	.5671	4.867	.7758	.2878	.3581	3.505	.2619	.0354
#1	.5889	193.8	.0842	526.8	.5506	.9909	.1561	1.030	1.016
#2	.5874	191.9	.0771	518.9	.5524	.9930	.1619	1.031	1.017
#3	.5879	193.9	.0838	524.3	.5538	.9979	.1509	1.035	1.017
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.062	1.061	.1168	.9422	1.034	1.006	.9642	4.981	1.043
Stddev	.003	.005	.0017	.0026	.006	.002	.0041	.0017	.003
%RSD	.3067	.5098	1.495	.2812	.5870	.1707	.4277	.3477	.2446
#1	1.062	1.055	.1187	.9391	1.034	1.006	.9600	4.974	1.041
#2	1.059	1.062	.1153	.9432	1.027	1.004	.9643	4.968	1.044
#3	1.065	1.065	.1164	.9441	1.040	1.008	.9683	5.000	1.045
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2199.3	4916.1	36595.	2920.2					
Stddev	6.1	13.9	189.	24.5					
%RSD	.27773	.28277	.51574	.83932					
#1	2202.8	4929.7	36768.	2906.2					
#2	2202.9	4916.5	36624.	2948.5					
#3	2192.3	4901.9	36393.	2905.9					

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Sample Name: CCV Acquired: 3/8/2016 14:48:01 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2524	41.22	2.031	2.073	2.027	40.05	2.071	2.089	2.041
Stddev	.0004	.17	.002	.008	.011	.24	.004	.006	.006
%RSD	.1605	.4082	.0781	.3780	.5448	.5870	.1876	.2662	.2918
#1	.2522	41.39	2.033	2.081	2.038	40.31	2.075	2.094	2.035
#2	.2521	41.06	2.030	2.065	2.016	39.87	2.067	2.083	2.041
#3	.2529	41.21	2.030	2.072	2.026	39.95	2.072	2.090	2.047

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.972	40.14	40.75	39.73	2.002	2.113	40.81	2.051	1.978
Stddev	.004	.18	.19	.26	.010	.003	.13	.003	.009
%RSD	.2044	.4379	.4657	.6668	.4893	.1278	.3283	.1440	.4308
#1	1.969	40.30	40.96	40.00	1.994	2.115	40.96	2.054	1.975
#2	1.970	39.95	40.61	39.47	2.000	2.110	40.71	2.048	1.987
#3	1.977	40.15	40.67	39.71	2.013	2.114	40.77	2.052	1.971

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.038	2.054	2.018	2.055	2.007	2.017	1.991	2.008	2.041
Stddev	.002	.004	.004	.001	.004	.005	.004	.004	.003
%RSD	.1186	.1730	.2116	.0557	.1782	.2566	.2280	.2185	.1368
#1	2.041	2.054	2.016	2.056	2.008	2.012	1.989	2.004	2.044
#2	2.036	2.058	2.014	2.054	2.003	2.018	1.996	2.008	2.038
#3	2.038	2.050	2.022	2.056	2.009	2.022	1.987	2.013	2.042

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Raw Data MA13017 page 91 of 94

Sample Name: CCV Acquired: 3/8/2016 14:48:01 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2516.3	5369.6	41078.	3127.1
Stddev	1.3	16.5	136.	34.7
%RSD	.05151	.30757	.33118	1.1085
#1	2517.3	5363.4	41136.	3088.6
#2	2516.8	5388.3	41176.	3137.0
#3	2514.9	5357.0	40923.	3155.7

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Sample Name: CCB Acquired: 3/8/2016 15:06:38 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0023	.0003	.0001	.0000	.0036	.0000	.0000	-0.0003
Stddev	.0001	.0055	.0005	.0001	.0000	.0021	.000	.000	.0000
%RSD	113.3	236.9	167.0	109.9	86.31	60.04	103.6	417.6	9.885
#1	-.0002	.0070	-.0002	.0000	.0001	.0013	.0000	-.0001	-.0003
#2	-.0002	-.0037	.0003	.0001	.0000	.0056	.0000	.0000	-.0003
#3	.0000	.0037	.0008	.0002	.0000	.0038	.0000	.0000	-.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.003	.0500	.0042	.0000	-0.004	.0225	.0000	.0003
Stddev	.0000	.0028	.0394	.0231	.000	.0002	.0110	.0001	.0001
%RSD	19.87	108.7	78.88	544.7	32.71	36.73	48.65	323.6	58.26
#1	-.0001	.0008	.0453	.0223	.0000	-.0005	.0350	-.0001	.0003
#2	-.0002	.0019	.0131	.0123	.0000	-.0005	.0184	.0001	.0001
#3	-.0002	-.0035	.0916	-.0218	.0000	-.0002	.0142	.0001	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	.0011	.0032	.0000	.0000	-0.0002	-0.0012	-0.0001	.0003
Stddev	.0002	.0006	.0023	.0001	.000	.0000	.0007	.0001	.0001
%RSD	150.8	53.57	70.94	530.6	268.3	23.93	54.89	44.44	35.91
#1	-.0004	.0014	.0058	.0001	-.0001	-.0002	-.0005	-.0002	.0002
#2	.0001	.0004	.0018	.0000	.0000	-.0002	-.0017	-.0001	.0004
#3	-.0002	.0014	.0019	-.0001	.0000	-.0001	-.0015	-.0001	.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/8/2016 15:06:38 Type: QC
 Method: 60102007_042011(v910) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2931.4	5602.9	42297.	3130.3
Stddev	18.1	17.4	88.	6.0
%RSD	.61869	.31139	.20745	.19079
#1	2945.4	5610.8	42377.	3133.5
#2	2937.9	5614.9	42310.	3134.0
#3	2910.9	5582.9	42203.	3123.4

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000011	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000083	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000059	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000086	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000011	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000013	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000157	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	0.000006	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000030	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000106	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000023	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	0.000004	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000035	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	0.000002	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000016	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.000208	0.569725	0.000000	1.000000
Al 396.152 { 85}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.000225	0.209272	0.000000	1.000000
As 189.042 {478}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.000629	0.191384	0.000000	1.000000
Ba 455.403 { 74}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.000901	7.844959	0.000000	1.000000
Be 313.042 {108}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.000099	12.042352	0.000000	1.000000
Ca 317.933 {106}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.002176	0.274332	0.000000	1.000000
Cd 226.502 {449}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.001141	4.995575	0.000000	1.000000
Co 228.616 {447}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.000595	2.575856	0.000000	1.000000
Cr 267.716 {126}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.000123	0.564929	0.000000	1.000000
Cu 324.754 {104}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.001572	0.845090	0.000000	1.000000
Fe 259.940 {130}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.001312	0.178117	0.000000	1.000000
In 230.606 {446}*	3/8/2016 10:16:28	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.007234	0.100860	0.000000	1.000000
Mg 279.079 {121}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.000026	0.028221	0.000000	1.000000
Mn 257.610 {131}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.000630	2.667606	0.000000	1.000000
Mo 202.030 {467}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.001060	1.103115	0.000000	1.000000
Na 589.592 { 57}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.020254	0.404153	0.000000	1.000000
Ni 231.604 {445}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.000113	1.641345	0.000000	1.000000
Pb 220.353 {453}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.000360	0.935716	0.000000	1.000000
Sb 206.833 {463}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.000644	0.254856	0.000000	1.000000
Se 196.090 {472}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.000761	0.132117	0.000000	1.000000
Si 212.412 {459}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.005487	0.311988	0.000000	1.000000
Sn 189.989 {477}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.000254	0.414169	0.000000	1.000000
Sr 407.771 { 83}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.001644	16.549146	0.000000	1.000000
Ti 334.941 {101}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.001428	2.196280	0.000000	1.000000
Tl 190.856 {477}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.000843	0.312631	0.000000	1.000000
V 292.402 {115}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	-0.000742	0.799231	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	3/8/2016 10:16:28	3/8/2016 9:30:08	Linear	1/Conc	0.000925	2.742867	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999315	0.000203	0.000398	0.001328	OK	1.000000	0.000000	1	0
Al 396.152 {85}	0.999901	0.004758	0.010176	0.033919	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999791	0.000315	0.000748	0.002495	OK	1.000000	0.000000	1	0
Ba 455.403 {74}	0.999876	0.009964	0.000340	0.001133	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999988	0.004775	0.000073	0.000243	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999835	0.008020	0.003690	0.012299	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999995	0.001270	0.000046	0.000152	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999996	0.000569	0.000099	0.000329	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999948	0.000463	0.000253	0.000843	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999987	0.000345	0.000251	0.000838	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999704	0.006981	0.002912	0.009707	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 {44}	0.999941	0.001772	0.035870	0.119565	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999835	0.000825	0.023499	0.078331	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999889	0.003198	0.000044	0.000146	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999944	0.000942	0.000133	0.000445	OK	1.000000	0.000000	1	0
Na 589.592 {57}	0.999907	0.008887	0.009462	0.031540	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	1.000000	0.000099	0.000157	0.000525	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999671	0.001940	0.000534	0.001780	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999853	0.000351	0.000917	0.003058	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999841	0.000190	0.001614	0.005380	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.999800	0.000503	0.000517	0.001723	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999945	0.000351	0.000295	0.000983	OK	1.000000	0.000000	1	0
Sr 407.771 {83}	0.999966	0.011067	0.000103	0.000344	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999884	0.002690	0.000098	0.000327	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999871	0.000406	0.000899	0.002997	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999955	0.000600	0.000227	0.000758	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 {94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 {91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999997	0.000513	0.000062	0.000207	OK	1.000000	0.000000	1	0

Sample Name: Blank Acquired: 4/12/2016 8:18:48 Type: Cal
Method: 60102007_041712(v64) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.012	-0.096	-0.010	.017	-0.001	.0028	-0.007	.0002	.0000
Stddev	.0003	.0012	.0002	.0008	.0006	.0006	.0001	.0003	.0002
%RSD	21.68	12.75	15.53	7.417	1127.	22.63	17.59	173.6	4886.
#1	-0.009	-0.103	-0.009	.0101	-0.007	.0027	-0.005	-0.002	.0002
#2	-0.014	-0.082	-0.009	.0104	.0001	.0034	-0.007	.0005	-0.002
#3	-0.013	-0.103	-0.012	.0116	.0004	.0022	-0.007	.0002	.0000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0151	.0027	-0.0068	.0000	.0006	.0017	-0.0471	-0.0015	-0.0052
Stddev	.0002	.0003	.0007	.0001	.0001	.0002	.0017	.0003	.0005
%RSD	1.329	11.98	9.673	765.2	20.96	11.95	3.611	18.63	9.965
#1	.0149	.0030	-0.0076	.0001	.0005	.0018	-0.0472	-0.0017	-0.0055
#2	.0153	.0024	-0.0067	.0000	.0006	.0018	-0.0488	-0.0012	-0.0046
#3	.0151	.0029	-0.0063	.0000	.0007	.0015	-0.0454	-0.0017	-0.0054
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0004	-0.0006	.0069	.0000	.0014	.0024	-0.0091	-0.0011	.0023
Stddev	.0002	.0001	.0003	.0000	.0006	.0002	.0004	.0004	.0002
%RSD	55.02	22.75	4.715	370.9	44.76	9.684	4.092	37.05	7.978
#1	.0006	-0.0005	.0068	.0000	.0021	.0026	-0.0094	-0.0014	.0021
#2	.0005	-0.0005	.0066	.0001	.0010	.0025	-0.0093	-0.0012	.0023
#3	.0002	-0.0007	.0073	.0000	.0011	.0021	-0.0087	-0.0006	.0025
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	1791.1	4759.5	34207.	5707.6					
Stddev	3.5	5.1	262.	33.1					
%RSD	.19731	.10722	.76557	.57982					
#1	1795.0	4765.4	33973.	5670.6					
#2	1788.1	4756.1	34159.	5734.4					
#3	1790.3	4757.0	34490.	5717.8					

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Sample Name: LowStd Acquired: 4/12/2016 8:34:26 Type: Cal
Method: 60102007_041712(v64) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0421	1.670	.1769	6.247	3.927	2.703	3.071	1.358	.2576	.3902
Stddev	.0003	.008	.0006	.023	.006	.005	.004	.003	.0006	.0013
%RSD	.7468	.4752	.3276	.3732	.1427	.1912	.1404	.2228	.2508	.3331
#1	.0422	1.667	.1776	6.221	3.924	2.701	3.076	1.361	.2582	.3900
#2	.0423	1.663	.1766	6.260	3.924	2.700	3.068	1.356	.2569	.3916
#3	.0417	1.678	.1766	6.262	3.934	2.709	3.068	1.355	.2576	.3890
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.875	1.396	.2829	1.764	.6961	3.866	.9552	.7100	.1680	.1357
Stddev	.005	.010	.0007	.005	.0008	.016	.0028	.0006	.0001	.0001
%RSD	.2772	.6875	.2300	.2764	.1180	.4176	.2891	.0790	.0606	.0831
#1	1.870	1.391	.2836	1.770	.6971	3.856	.9583	.7105	.1681	.1357
#2	1.873	1.389	.2824	1.761	.6959	3.858	.9542	.7094	.1680	.1356
#3	1.880	1.407	.2826	1.762	.6955	3.885	.9531	.7101	.1679	.1358
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S			
Avg	2.585	.3162	7.700	1.001	.2911	.3664	2.127			
Stddev	.0004	.0010	.020	.002	.0013	.0003	.004			
%RSD	.1443	.3286	.2633	.2294	.4610	.0720	.1795			
#1	.2588	.3174	7.681	1.003	.2908	.3662	2.131			
#2	.2587	.3155	7.699	.9990	.2926	.3667	2.126			
#3	.2581	.3157	7.721	1.000	.2899	.3664	2.124			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Units	Cts/S	Cts/S	Cts/S	Cts/S						
Avg	1813.5	4795.0	35127.	5831.8						
Stddev	5.4	1.3	90.	25.5						
%RSD	.29626	.02806	.25759	.43762						
#1	1817.5	4793.8	35097.	5818.7						
#2	1807.4	4794.7	35229.	5861.2						
#3	1815.6	4796.4	35055.	5815.6						

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Sample Name: MidStd Acquired: 4/12/2016 8:37:33 Type: Cal
Method: 60102007_041712(v64) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1721	6.386	.7283	25.44	16.17	10.22	12.53	5.594	1.035	1.588
Stddev	.0005	.026	.0037	.06	.05	.04	.04	.022	.002	.002
%RSD	.2772	.4093	.5074	.2365	.2956	.4027	.3408	.3981	.1695	.1221
#1	.1716	6.378	.7251	25.41	16.16	10.21	12.49	5.572	1.034	1.587
#2	.1725	6.365	.7273	25.41	16.12	10.18	12.54	5.595	1.034	1.590
#3	.1722	6.416	.7323	25.51	16.22	10.26	12.57	5.616	1.037	1.587
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6.733	5.310	1.066	7.093	2.846	14.69	3.921	2.949	.6944	.5577
Stddev	.020	.017	.005	.007	.017	.04	.017	.007	.0022	.0015
%RSD	.3014	.3157	.4772	.1037	.6043	.3066	.4244	.2280	.3113	.2625
#1	6.729	5.314	1.065	7.086	2.828	14.69	3.904	2.941	.6921	.5561
#2	6.715	5.292	1.061	7.101	2.846	14.64	3.920	2.951	.6945	.5579
#3	6.755	5.325	1.071	7.093	2.863	14.73	3.937	2.954	.6965	.5590
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S			
Avg	1.056	1.290	31.28	4.071	1.252	1.475	8.582			
Stddev	.005	.005	.07	.008	.003	.001	.030			
%RSD	.4463	.3909	.2181	.1865	.2670	.0915	.3553			
#1	1.052	1.285	31.22	4.064	1.249	1.474	8.553			
#2	1.056	1.290	31.26	4.079	1.252	1.475	8.580			
#3	1.061	1.295	31.35	4.070	1.255	1.476	8.614			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Units	Cts/S	Cts/S	Cts/S	Cts/S						
Avg	1754.5	4653.5	34632.	5662.3						
Stddev	7.6	18.4	89.	37.2						
%RSD	.43462	.39601	.25709	.65612						
#1	1760.5	4670.1	34718.	5648.8						
#2	1757.0	4656.6	34540.	5704.3						
#3	1745.9	4633.6	34639.	5633.8						

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Sample Name: HighStd Acquired: 4/12/2016 8:40:50 Type: Cal
Method: 60102007_041712(v64) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.499	12.61	1.457	50.36	31.42	20.09	24.71	11.17	2.018	3.191
Stddev	.0007	.05	.002	.11	.11	.03	.03	.01	.003	.002
%RSD	.1992	.3717	.1304	.2233	.3399	.1637	.1133	.0872	.1609	.0636
#1	.3497	12.60	1.455	50.40	31.36	20.12	24.69	11.16	2.022	3.190
#2	.3507	12.66	1.456	50.44	31.55	20.09	24.71	11.16	2.016	3.193
#3	.3493	12.56	1.459	50.23	31.37	20.06	24.74	11.18	2.016	3.190
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	13.43	10.14	2.078	13.72	5.709	28.31	7.806	5.929	1.396	1.112
Stddev	.02	.04	.005	.06	.004	.11	.014	.011	.001	.002
%RSD	.1830	.3510	.2426	.4435	.0665	.3787	.1825	.1929	.0557	.2054
#1	13.43	10.16	2.083	13.71	5.707	28.43	7.799	5.919	1.397	1.111
#2	13.45	10.17	2.079	13.78	5.708	28.30	7.796	5.928	1.395	1.111
#3	13.40	10.10	2.073	13.66	5.714	28.21	7.822	5.941	1.397	1.115
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S			
Avg	2.019	2.565	61.30	8.061	2.536	2.905	16.79			
Stddev	.004	.006	.85	.003	.004	.002	.03			
%RSD	.1909	.2246	1.388	.0407						

Sample Name: HSTD Acquired: 4/12/2016 8:44:55 Type: QC
Method: 60102007_041712(v64) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include Avg, Stddev, %RSD and three replicate rows (#1, #2, #3).

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 11 columns: Elem, Units, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include Avg, Stddev, %RSD and three replicate rows (#1, #2, #3).

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 8 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicate rows (#1, #2, #3).

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Sample Name: HSTD Acquired: 4/12/2016 8:44:55 Type: QC
Method: 60102007_041712(v64) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and three replicate rows (#1, #2, #3).

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 8 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicate rows (#1, #2, #3).

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Sample Name: ICV Acquired: 4/12/2016 8:56:13 Type: QC
Method: 60102007_041712(v64) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include Avg, Stddev, %RSD and three replicate rows (#1, #2, #3).

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 11 columns: Elem, Units, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include Avg, Stddev, %RSD and three replicate rows (#1, #2, #3).

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 8 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicate rows (#1, #2, #3).

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Sample Name: ICV Acquired: 4/12/2016 8:56:13 Type: QC
Method: 60102007_041712(v64) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and three replicate rows (#1, #2, #3).

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 8 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicate rows (#1, #2, #3).

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Sample Name: ICB Acquired: 4/12/2016 9:05:01 Type: QC
 Method: 60102007_041712(v64) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	-.0003	.0002	.0000	.0000	.0001	.0000	-.0001	.0002	.0002
Stddev	.0003	.0063	.0005	.0001	.0000	.0016	.000	.0001	.0004	.0004
%RSD	44.26	2457.	240.6	396.0	374.0	2010.	159.6	110.3	210.8	282.6
#1	.0003	.0052	.0007	-.0001	.0000	-.0007	.0000	-.0002	-.0003	.0002
#2	.0006	-.0072	.0002	.0000	.0000	-.0010	.0000	-.0001	.0004	-.0003
#3	.0008	.0012	-.0003	.0001	.0001	.0019	.0000	.0000	.0004	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0071	.0204	-.0051	-.0001	-.0002	.0166	.0000	-.0001	.0004	-.0007
Stddev	.0012	.0091	.0053	.0000	.0001	.0028	.0001	.0003	.0004	.0003
%RSD	16.58	44.44	103.4	20.44	88.07	16.66	312.1	235.8	85.95	42.81
#1	-.0059	.0107	-.0085	-.0001	.0000	.0185	-.0001	-.0005	.0000	-.0005
#2	-.0072	.0287	.0010	-.0001	-.0003	.0179	.0002	-.0002	.0007	-.0011
#3	-.0083	.0217	-.0078	-.0001	-.0001	.0135	.0000	.0002	.0006	-.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.0003	.0000	-.0003	-.0006	-.0002	.0001
Stddev	.0005	.0004	.0001	.0002	.0012	.0002	.0001
%RSD	84.69	145.4	961.9	70.28	180.7	126.6	51.05
#1	.0001	.0008	.0001	-.0004	-.0006	-.0003	.0001
#2	.0011	.0001	.0000	-.0001	-.0016	.0001	.0002
#3	.0006	.0000	-.0001	-.0003	-.0010	-.0002	.0001

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 4/12/2016 9:05:01 Type: QC
 Method: 60102007_041712(v64) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1780.0	4736.8	34147.	5811.1
Stddev	3.4	4.9	142.	24.9
%RSD	.19147	.10436	.41502	.42859
#1	1783.9	4733.5	34176.	5839.5
#2	1778.8	4742.5	34272.	5793.1
#3	1777.4	4734.4	33993.	5800.7

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CRIA Acquired: 4/12/2016 9:08:30 Type: QC
 Method: 60102007_041712(v64) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0091	.2111	.0104	.2096	.0052	1.063	.0052	.0511	.0104	.0253
Stddev	.0004	.0048	.0002	.0007	.0001	.003	.0000	.0000	.0001	.0003
%RSD	4.466	2.272	1.528	.3102	1.478	.3003	.4351	.0225	1.351	1.203
#1	.0094	.2159	.0106	.2090	.0052	1.066	.0052	.0511	.0106	.0252
#2	.0092	.2111	.0102	.2103	.0051	1.061	.0052	.0511	.0103	.0250
#3	.0086	.2063	.0104	.2096	.0052	1.061	.0052	.0511	.0103	.0256

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3071	10.64	5.355	.0163	.0482	10.75	.0414	.0052	.0054	.0090
Stddev	.0046	.05	.012	.0001	.0003	.02	.0002	.0002	.0004	.0005
%RSD	1.507	4.997	2.243	.4236	.6475	.1947	.5064	4.733	7.198	5.928
#1	.3023	10.59	5.356	.0162	.0486	10.73	.0416	.0055	.0058	.0086
#2	.3074	10.69	5.343	.0163	.0481	10.76	.0414	.0051	.0052	.0096
#3	.3116	10.62	5.367	.0164	.0480	10.77	.0412	.0050	.0051	.0088

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0104	.0511	.0103	.0098	.0094	.0500	.0222
Stddev	.0005	.0001	.0001	.0001	.0010	.0004	.0000
%RSD	5.271	.2175	.5527	.8939	10.44	.7287	.1789
#1	.0109	.0510	.0103	.0097	.0083	.0496	.0222
#2	.0098	.0511	.0103	.0097	.0098	.0501	.0222
#3	.0106	.0512	.0104	.0098	.0102	.0503	.0223

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 4/12/2016 9:08:30 Type: QC
 Method: 60102007_041712(v64) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1828.3	4855.4	34970.	5801.8
Stddev	3.2	5.9	70.	18.7
%RSD	.17724	.12125	.20086	.32233
#1	1831.9	4859.1	35018.	5821.9
#2	1827.2	4848.6	35001.	5784.9
#3	1825.7	4858.5	34889.	5798.5

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSA Acquired: 4/12/2016 9:13:46 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.006	498.4	-0.001	-0.001	.0000	485.1	.0005	-0.004	-0.008	.0002
Stddev	.0004	5.0	.0004	.0002	.0001	6.5	.0001	.0001	.0003	.0007
%RSD	79.23	.9985	877.6	311.0	105.3	1.332	15.39	30.33	31.53	271.1
#1	-0.001	499.4	.0001	-0.003	.0000	487.8	.0005	-0.004	-0.006	-0.005
#2	-0.006	493.0	.0003	-0.001	.0000	477.8	.0006	-0.004	-0.008	.0008
#3	-0.010	502.8	-0.006	.0002	.0001	489.8	.0004	-0.006	-0.011	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	185.1	.2790	509.7	.0000	.0001	.2213	.0000	.0003	.0000	-0.004
Stddev	.7	.0404	2.9	.000	.0001	.0034	.000	.0010	.001	.0013
%RSD	.3815	14.48	.5736	1432.	102.6	1.558	277.2	400.4	5607.	298.2
#1	185.1	.2430	509.3	.0000	.0000	.2179	.0001	.0008	-0.007	-0.015
#2	184.4	.2713	507.0	.0000	.0002	.2214	-0.001	.0010	.0010	-0.009
#3	185.8	.3226	512.8	-0.001	.0000	.2248	-0.001	-0.009	-0.003	.0010

Check ? Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0804	-0.0002	.0000	-0.011	.0000	.0003	-0.016
Stddev	.0003	.0006	.0001	.0003	.001	.0002	.0000
%RSD	.3954	259.8	148.1	23.60	1755.	79.00	1.227
#1	.0801	.0000	.0000	-0.014	-0.005	.0002	-0.016
#2	.0803	-0.009	.0001	-0.009	-0.003	.0005	-0.016
#3	.0808	.0002	.0000	-0.010	.0007	.0001	-0.016

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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Sample Name: ICSA Acquired: 4/12/2016 9:13:46 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1742.6	4456.9	33395.	5515.9
Stddev	1.1	6.1	174.	29.9
%RSD	.06188	.13686	.52200	.54175
#1	1743.7	4463.7	33506.	5527.6
#2	1742.6	4452.0	33194.	5538.2
#3	1741.5	4454.9	33484.	5481.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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Sample Name: ICSAB Acquired: 4/12/2016 9:21:52 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9657	495.4	1.082	.5133	.4881	479.0	.9709	.4934	.5045	.5461
Stddev	.0001	6.4	.000	.0008	.0021	5.6	.0005	.0003	.0013	.0013
%RSD	.0064	1.298	.0209	.1484	.4204	1.159	.0508	.0589	.2613	.2398
#1	.9656	488.3	1.082	.5131	.4860	485.2	.9704	.4935	.5047	.5458
#2	.9657	500.8	1.081	.5126	.4882	477.4	.9711	.4931	.5057	.5476
#3	.9657	497.1	1.082	.5141	.4902	474.4	.9713	.4936	.5031	.5450

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	182.2	.2220	510.8	.5058	.9780	.2077	.9948	.9461	1.035	1.011
Stddev	.5	.0198	1.4	.0002	.0006	.0122	.0013	.0018	.005	.003
%RSD	.2694	8.923	.2787	.0392	.0611	5.885	.1340	.1891	.4412	.2688
#1	181.7	.2424	509.3	.5057	.9774	.2139	.9937	.9441	1.038	1.010
#2	182.3	.2028	511.0	.5061	.9786	.2156	.9963	.9476	1.038	1.008
#3	182.7	.2208	512.1	.5057	.9779	.1936	.9945	.9466	1.030	1.014

Check ? Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1122	.9934	1.017	1.022	.9913	.4731	.9551
Stddev	.0007	.0017	.001	.001	.0028	.0007	.0013
%RSD	.5817	.1685	.0845	.0773	.2815	.1378	.1362
#1	.1119	.9953	1.016	1.021	.9885	.4737	.9536
#2	.1130	.9922	1.017	1.021	.9941	.4724	.9559
#3	.1118	.9928	1.018	1.023	.9913	.4732	.9557

Check ? None Chk Pass None None Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: ICSAB Acquired: 4/12/2016 9:21:52 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1721.6	4455.1	33474.	5552.3
Stddev	3.4	3.0	75.	43.5
%RSD	.19933	.06809	.22517	.78392
#1	1724.2	4458.6	33450.	5598.5
#2	1717.7	4453.2	33414.	5546.4
#3	1722.8	4453.5	33558.	5512.1

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: CCV Acquired: 4/12/2016 9:28:41 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.492	39.81	2.010	2.015	1.999	40.24	2.005	1.996	2.033	1.983
Stddev	.0003	.22	.002	.009	.005	.20	.003	.001	.002	.003
%RSD	.1184	.5255	.1170	.4643	.2535	.5069	.1413	.0698	.0892	.1284
#1	2.491	39.56	2.012	2.005	1.994	40.04	2.004	1.996	2.034	1.984
#2	2.490	39.99	2.008	2.023	2.004	40.45	2.009	1.997	2.033	1.980
#3	2.495	39.87	2.011	2.016	2.001	40.24	2.003	1.995	2.031	1.985

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.29	40.48	40.07	2.041	1.997	40.94	2.008	1.987	2.000	2.011
Stddev	.13	.15	.09	.001	.002	.24	.002	.004	.006	.004
%RSD	.3352	.3604	.2190	.0593	.0760	.5871	.0878	.1959	.3030	.1765
#1	39.16	40.36	39.97	2.041	1.995	40.73	2.007	1.983	2.001	2.009
#2	39.42	40.64	40.13	2.042	1.998	41.20	2.009	1.990	1.994	2.010
#3	39.29	40.43	40.12	2.040	1.998	40.88	2.006	1.987	2.006	2.015

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.067	2.013	2.024	2.014	1.987	2.015	2.014
Stddev	.001	.001	.006	.002	.001	.004	.003
%RSD	.0377	.0508	.3180	.1211	.0499	.2069	.1424
#1	2.066	2.012	2.019	2.012	1.986	2.019	2.013
#2	2.067	2.014	2.031	2.014	1.988	2.011	2.017
#3	2.067	2.012	2.022	2.017	1.988	2.014	2.011

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/12/2016 9:28:41 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1762.7	4663.9	34754.	5707.3
Stddev	6.4	9.8	89.	21.2
%RSD	.36071	.20986	.25486	.37131
#1	1768.5	4672.6	34728.	5731.7
#2	1755.9	4653.3	34681.	5693.2
#3	1763.7	4665.7	34852.	5697.1

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.067	2.013	2.024	2.014	1.987	2.015	2.014
Stddev	.001	.001	.006	.002	.001	.004	.003
%RSD	.0377	.0508	.3180	.1211	.0499	.2069	.1424
#1	2.066	2.012	2.019	2.012	1.986	2.019	2.013
#2	2.067	2.014	2.031	2.014	1.988	2.011	2.017
#3	2.067	2.012	2.022	2.017	1.988	2.014	2.011

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.067	2.013	2.024	2.014	1.987	2.015	2.014
Stddev	.001	.001	.006	.002	.001	.004	.003
%RSD	.0377	.0508	.3180	.1211	.0499	.2069	.1424
#1	2.066	2.012	2.019	2.012	1.986	2.019	2.013
#2	2.067	2.014	2.031	2.014	1.988	2.011	2.017
#3	2.067	2.012	2.022	2.017	1.988	2.014	2.011

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 4/12/2016 9:37:05 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0001	.0003	.0001	.0000	.0022	.0000	.0000
Stddev	.0006	.0001	.0001	.0001	.0000	.0028	.000	.000
%RSD	176.7	177.0	30.48	202.0	185.0	128.5	323.6	668.6
#1	.0002	.0000	.0003	.0001	.0000	.0046	.0000	-.0001
#2	.0011	.0000	.0002	.0001	.0000	.0028	-.0001	.0001
#3	-.0002	.0002	.0002	-.0001	.0001	-.0009	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0000	-.0022	.0298	-.0095	.0000	-.0004	.0139
Stddev	.0003	.0003	.0037	.0091	.0300	.000	.0000	.0120
%RSD	250.4	2619.	169.9	30.68	317.5	163.2	8.059	86.74
#1	.0002	.0003	.0000	.0403	.0001	.0000	-.0003	.0261
#2	.0004	-.0002	-.0064	.0256	-.0431	-.0001	-.0004	.0020
#3	-.0002	-.0001	-.0001	.0235	.0146	-.0001	-.0004	.0135

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	F-.0013	.0003	-.0005	.0004	-.0001	.0000	-.0002
Stddev	.0003	.0002	.0011	.0006	.0003	.0000	.0000	.0000
%RSD	384.4	12.91	353.2	109.9	67.33	79.19	104.2	5.007
#1	.0000	-.0015	-.0007	-.0003	.0002	-.0001	.0000	-.0002
#2	.0004	-.0011	.0015	-.0001	.0008	.0000	.0000	-.0002
#3	-.0002	-.0014	.0002	-.0012	.0004	-.0001	.0000	-.0002

Check ? Chk Pass Chk Fail Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/12/2016 9:37:05 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	-.0014	.0000	.0002
Stddev	.0012	.0001	.0001
%RSD	81.92	698.1	28.53
#1	-.0001	-.0001	.0003
#2	-.0022	.0002	.0002
#3	-.0019	.0000	.0002

Check ? Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1789.2	4731.2	34311.	5740.5
Stddev	1.4	8.2	180.	4.5
%RSD	.07869	.17393	.52493	.07882
#1	1790.0	4733.8	34251.	5745.7
#2	1790.1	4737.9	34169.	5738.3
#3	1787.6	4722.0	34514.	5737.5

Check ? Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	F-.0013	.0003	-.0005	.0004	-.0001	.0000	-.0002
Stddev	.0003	.0002	.0011	.0006	.0003	.0000	.0000	.0000
%RSD	384.4	12.91	353.2	109.9	67.33	79.19	104.2	5.007
#1	.0000	-.0015	-.0007	-.0003	.0002	-.0001	.0000	-.0002
#2	.0004	-.0011	.0015	-.0001	.0008	.0000	.0000	-.0002
#3	-.0002	-.0014	.0002	-.0012	.0004	-.0001	.0000	-.0002

Check ? Chk Pass Chk Fail Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: FA32898-3 Acquired: 4/12/2016 9:41:48 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	
Avg	.0166	273.4	.0666	.1076	.0019	16.87	-.0016	.0040	.6926	.0835	
Stddev	.0010	1.4	.0003	.0004	.0001	.03	.0004	.0002	.0001	.0006	
%RSD	6.285	.5194	.5070	.3781	5.271	.1548	22.83	6.178	.0184	.7473	
#1	.0154	274.5	.0669	.1078	.0019	16.87	-.0015	.0038	.6925	.0842	
#2	.0172	271.8	.0662	.1072	.0018	16.84	-.0012	.0039	.6925	.0832	
#3	.0173	273.9	.0666	.1079	.0019	16.89	-.0020	.0043	.6927	.0831	
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	
Avg	454.5	6.848	3.761	.0843	.0253	6.143	.0335	.2148	-.0043	.0078	
Stddev	1.9	.044	.080	.0001	.0003	.0203	.0003	.0011	.0030	.0017	
%RSD	.4224	.6382	2.138	.0635	1.104	3.304	.9206	.4990	69.98	22.16	
#1	456.1	6.866	3.823	.0842	.0251	5.910	.0333	.2136	-.0009	.0077	
#2	452.4	6.798	3.670	.0843	.0252	6.285	.0339	.2156	-.0067	.0096	
#3	455.1	6.880	3.790	.0843	.0256	6.233	.0333	.2151	-.0051	.0061	
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062				
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)				
Avg	8.977	.0256	.0798	1.191	-.0112	1.174	1.005				
Stddev	.017	.0008	.0003	.001	.0032	.000	.0003				
%RSD	.1883	3.098	.3546	.1134	28.63	.0357	.3018				
#1	8.982	.0254	.0801	1.190	-.0080	1.174	1.003				
#2	8.958	.0264	.0795	1.192	-.0113	1.175	1.003				
#3	8.991	.0249	.0797	1.192	-.0144	1.174	1.008				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710							
Avg	1906.0	4822.6	35053.	5880.6							
Stddev	7.9	12.7	120.	19.6							
%RSD	.41327	.26356	.34252	.33377							
#1	1910.5	4828.3	35185.	5872.6							
#2	1910.6	4831.5	34950.	5902.9							
#3	1896.9	4808.1	35024.	5866.2							

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Sample Name: FA32898-6 Acquired: 4/12/2016 9:45:49 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	
Avg	.0111	323.9	.0529	.2442	.0018	26.41	-.0016	.0075	.4632	.0795	
Stddev	.0011	1.0	.0008	.0005	.0001	.09	.0003	.0001	.0010	.0004	
%RSD	9.952	.3064	1.490	.2237	5.145	.3424	16.63	1.651	.2255	.4797	
#1	.0107	324.8	.0524	.2447	.0018	26.48	-.0015	.0076	.4624	.0799	
#2	.0124	322.9	.0538	.2436	.0019	26.31	-.0015	.0074	.4643	.0791	
#3	.0103	324.0	.0525	.2441	.0017	26.45	-.0020	.0074	.4628	.0794	
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	
Avg	421.7	6.330	5.478	.1988	.0110	5.721	.0385	.1724	-.0052	.0091	
Stddev	1.2	.084	.034	.0003	.0005	.0200	.0002	.0032	.0013	.0012	
%RSD	.2846	1.326	.6231	.1322	4.949	.3419	.4596	1.853	25.85	13.28	
#1	422.8	6.412	5.517	.1986	.0115	5.736	.0385	.1759	-.0057	.0078	
#2	420.5	6.334	5.468	.1986	.0111	5.699	.0383	.1717	-.0037	.0102	
#3	421.9	6.244	5.451	.1991	.0104	5.727	.0387	.1696	-.0062	.0091	
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062				
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)				
Avg	9.928	.0273	.1319	.7663	-.0095	5.745	.0997				
Stddev	.020	.0004	.0003	.0018	.0007	.0008	.0003				
%RSD	.2019	1.397	.1922	.2319	6.852	1.452	.2850				
#1	9.949	.0278	.1318	.7683	-.0091	5.737	.1000				
#2	9.909	.0270	.1322	.7658	-.0093	5.746	.0998				
#3	9.926	.0272	.1318	.7649	-.0103	5.753	.0994				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710							
Avg	1904.0	4874.8	35492.	5930.8							
Stddev	5.6	11.6	243.	53.9							
%RSD	.29373	.23749	.68480	.90919							
#1	1897.6	4861.8	35619.	5874.3							
#2	1908.1	4883.9	35646.	5936.6							
#3	1906.3	4878.6	35212.	5981.7							

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Sample Name: FA32898-7 Acquired: 4/12/2016 9:49:49 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	
Avg	.0132	264.5	.0769	.1372	.0021	96.82	-.0018	.0049	.6230	.0860	
Stddev	.0007	.8	.0012	.0005	.0002	.13	.0001	.0001	.0009	.0005	
%RSD	5.329	.2840	1.570	.3385	8.457	.1340	7.079	2.013	.1421	.5294	
#1	.0124	265.3	.0772	.1376	.0019	96.88	-.0018	.0049	.6234	.0865	
#2	.0132	263.9	.0756	.1372	.0021	96.67	-.0019	.0048	.6220	.0858	
#3	.0138	264.3	.0780	.1367	.0022	96.91	-.0016	.0050	.6236	.0856	
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	
Avg	437.9	6.949	7.615	.3196	.0120	1.015	.0380	.2158	-.0055	.0076	
Stddev	.3	.023	.022	.0003	.0005	.011	.0005	.0010	.0017	.0004	
%RSD	.0703	.3341	.2832	.0819	4.461	1.034	1.349	.4508	31.22	5.356	
#1	438.0	6.962	7.607	.3193	.0117	1.003	.0381	.2169	-.0057	.0071	
#2	437.6	6.922	7.597	.3198	.0116	1.020	.0374	.2149	-.0072	.0078	
#3	438.2	6.962	7.639	.3197	.0126	1.022	.0384	.2157	-.0037	.0078	
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062				
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)				
Avg	10.79	.0250	.2740	1.592	-.0077	.7710	1.122				
Stddev	.02	.0008	.0007	.005	.0020	.0022	.0004				
%RSD	.1453	3.014	.2693	.3171	25.78	.2884	.3789				
#1	10.78	.0257	.2736	1.588	-.0095	.7712	1.119				
#2	10.79	.0250	.2748	1.598	-.0079	.7687	1.120				
#3	10.81	.0242	.2735	1.592	-.0056	.7731	1.127				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710							
Avg	1907.2	4870.5	35559.	5926.5							
Stddev	7.8	6.2	278.	60.2							
%RSD	.40865	.12814	.78098	1.0160							
#1	1900.4	4869.6	35779.	5920.0							
#2	1915.7	4877.1	35652.	5989.7							
#3	1905.3	4864.7	35247.	5869.8							

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Sample Name: FA32898-8 Acquired: 4/12/2016 9:53:51 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0160	272.5	.1106	.1560	.0018	14.35	-.0019	.0043	.6404	.0880
Stddev	.0004	.5	.0017	.0000	.0003	.01	.0001	.0002	.0029	.0005
%RSD	2.756	.1922	1.540	.0302	17.25	.0496	7.665	4.911	.4551	.5627
#1	.0163	273.1	.1087	.1560	.0016	14.34	-.0021	.0042	.6391	.0886
#2	.0162	272.2	.1119	.1560	.0021	14.35	-.0019	.0046	.6384	.0876
#3	.0155	272.1	.1111	.1560	.0016	14.36	-.0018	.0043	.6437	.0879
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	446.7	8.421	5.598	.0913	.0180	4.294	.0306	.1682	-.0055	.0129
Stddev	.3	.011	.033	.0001	.0003	.0029	.0005	.0012	.0008	.0050
%RSD	.0571	.1327	.5971	.1039	1.539	.6791	1.597	.7041	15.36	38.48
#1	446									

Sample Name: FA32898-9 Acquired: 4/12/2016 9:57:52 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0165	280.3	.1226	.2567	.0029	13.28	-.0001	.0400	.6861	.1241
Stddev	.0003	1.2	.0012	.0007	.0000	.03	.0003	.0005	.0014	.0019
%RSD	1.649	.4414	.9401	.2535	.4811	.2085	339.8	1.200	.1984	1.559
#1	.0167	281.3	.1228	.2574	.0029	13.30	-.0004	.0399	.6848	.1254
#2	.0162	280.8	.1213	.2565	.0029	13.30	.0001	.0395	.6860	.1219
#3	.0167	278.9	.1236	.2562	.0029	13.25	.0001	.0405	.6875	.1250
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	636.7	6.428	5.561	.3031	.0194	.3486	.0365	.2090	-.0044	.0149
Stddev	4.5	.022	.050	.0005	.0003	.0249	.0001	.0017	.0015	.0020
%RSD	.7077	.3476	.9064	.1539	1.609	7.157	.2124	.8303	33.57	13.24
#1	641.1	6.402	5.508	.3034	.0197	.3358	.0365	.2076	-.0029	.0133
#2	632.1	6.444	5.609	.3032	.0191	.3773	.0365	.2085	-.0045	.0171
#3	636.8	6.437	5.567	.3025	.0195	.3326	.0366	.2110	-.0058	.0142
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	8.269	.0257	.0731	.8609	-.0079	.8178	.2338			
Stddev	.005	.0007	.0004	.0018	.0027	.0023	.0002			
%RSD	.0558	2.709	.6007	.2107	34.39	.2808	.1011			
#1	8.264	.0254	.0736	.8613	-.0076	.8182	.2336			
#2	8.272	.0252	.0730	.8625	-.0054	.8153	.2339			
#3	8.272	.0265	.0727	.8590	-.0108	.8199	.2340			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1952.5	4909.4	35781.	5922.6						
Stddev	7.2	14.3	162.	18.5						
%RSD	.37131	.29046	.45153	.31156						
#1	1960.7	4924.2	35939.	5903.2						
#2	1949.9	4895.7	35616.	5924.6						
#3	1946.8	4908.2	35786.	5939.9						

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Sample Name: FA32901-5 Acquired: 4/12/2016 10:02:01 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0050	32.17	.0358	.3186	.0020	4245.	-.0037	.0057	.2200	.0404
Stddev	.0020	.13	.0059	.0006	.0001	13.	.0008	.0009	.0036	.0004
%RSD	39.50	.4059	16.40	.1893	7.394	.2954	20.91	16.20	1.634	1.064
#1	.0033	32.32	.0291	.3180	.0019	4249.	-.0042	.0053	.2162	.0407
#2	.0071	32.09	.0397	.3192	.0022	4231.	-.0028	.0067	.2205	.0407
#3	.0044	32.10	.0387	.3187	.0020	4254.	-.0042	.0049	.2233	.0399
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	63.74	1.578	28.97	1.347	-.0105	2.361	.0778	.1548	.0038	.0059
Stddev	.21	.054	.35	.001	.0006	.048	.0014	.0031	.0141	.0173
%RSD	.3317	3.399	1.208	.0950	5.957	2.044	1.794	1.975	369.3	290.9
#1	63.89	1.548	28.99	1.348	-.0112	2.356	.0775	.1515	.0132	.0238
#2	63.84	1.546	28.61	1.346	-.0099	2.316	.0793	.1556	-.0124	-.0106
#3	63.50	1.640	29.31	1.347	-.0104	2.412	.0765	.1574	.0107	.0046
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	4.542	.0211	12.07	.2389	.0081	.0907	.2016			
Stddev	.026	.0012	.02	.0061	.0128	.0052	.0010			
%RSD	.5733	5.881	.1930	2.533	157.2	5.681	.4963			
#1	4.564	.0205	12.06	.2324	.0023	.0937	.2025			
#2	4.513	.0203	12.09	.2443	-.0007	.0847	.2005			
#3	4.549	.0226	12.04	.2401	.0228	.0936	.2018			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1791.5	4743.4	35217.	5677.6						
Stddev	2.3	10.3	118.	47.2						
%RSD	.12927	.21640	.33428	.83129						
#1	1789.3	4732.4	35082.	5673.9						
#2	1791.4	4752.8	35292.	5726.6						
#3	1793.9	4744.9	35278.	5632.4						

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Sample Name: FA32998-5 Acquired: 4/12/2016 10:06:13 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 4.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0030	10.05	.0094	.1023	.0009	1205.	.0000	.0014	.0398	.0229
Stddev	.0005	.02	.0005	.0007	.0003	3.	.0001	.0003	.0008	.0006
%RSD	16.41	.2145	5.104	.6612	31.79	.2370	381.0	20.89	2.115	2.766
#1	.0035	10.02	.0098	.1015	.0008	1207.	.0001	.0016	.0397	.0221
#2	.0030	10.06	.0096	.1028	.0006	1202.	.0000	.0011	.0390	.0232
#3	.0025	10.07	.0089	.1025	.0012	1205.	-.0001	.0013	.0406	.0232
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	11.36	.9175	3.808	.1467	-.0041	9.900	.0117	.0864	-.0016	-.0001
Stddev	.01	.0631	.130	.0003	.0004	.014	.0003	.0017	.0039	.0050
%RSD	.1318	6.881	3.401	.2058	10.87	.1425	2.975	1.915	250.9	5805.
#1	11.35	.8529	3.903	.1467	-.0040	9.885	.0117	.0883	.0006	.0018
#2	11.37	.9204	3.661	.1471	-.0037	9.913	.0113	.0851	-.0061	.0037
#3	11.35	.9791	3.861	.1465	-.0046	9.902	.0120	.0858	.0008	-.0058
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	3.154	.0169	4.987	.1858	.0018	.0247	.2731			
Stddev	.035	.0011	.002	.0068	.0024	.0002	.0001			
%RSD	1.105	6.792	.0373	3.660	133.0	1.004	.0509			
#1	3.189	.0180	4.987	.1882	-.0010	.0247	.2732			
#2	3.155	.0157	4.989	.1911	.0033	.0245	.2730			
#3	3.119	.0171	4.986	.1781	.0032	.0250	.2730			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1807.6	4828.9	35457.	5752.9						
Stddev	1.9	3.4	121.	41.5						
%RSD	.10349	.07109	.34130	.72064						
#1	1806.4	4824.9	35442.	5755.9						
#2	1806.6	4830.8	35584.	5792.8						
#3	1809.7	4831.0	35344.	5710.0						

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Sample Name: CCV Acquired: 4/12/2016 10:10:24 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2503	39.66	2.008	2.021	1.985	40.19	2.015	2.003	2.036	1.995
Stddev	.0006	.05	.002	.003	.005	.06	.001	.000	.005	.002
%RSD	.2362	.1224	.0811	.1449	.2593	.1392	.0558	.0186	.2687	.1171
#1	2502	39.66	2.007	2.023	1.988	40.24	2.014	2.003	2.042	1.993
#2	2510	39.61	2.010	2.018	1.979	40.13	2.016	2.004	2.033	1.997
#3	2498	39.71	2.009	2.022	1.988	40.21	2.014	2.003	2.032	1.995
Check ?	Chk	PassChk	PassChk	PassChk	PassChk	PassChk	PassChk	PassChk	PassChk	PassChk
Value										
Range										
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.03	40.58	40.06	2.059	2.000	41.16	2.010	2.004	1.997	2.005
Stddev	.12	.10	.19	.002	.003	.09</				

Sample Name: CCV Acquired: 4/12/2016 10:10:24 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1758.8	4676.1	34630.	5681.8
Stddev	8.0	13.4	58.	10.3
%RSD	.45667	.28635	.16843	.18115
#1	1768.1	4691.4	34621.	5691.7
#2	1754.7	4667.1	34692.	5682.7
#3	1753.7	4669.7	34577.	5671.1

Sample Name: CCB Acquired: 4/12/2016 10:14:19 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0139	.0005	.0001	.0001	.0042	.0000	.0000	.0000
Stddev	.0002	.0072	.0004	.0002	.0000	.0029	.0001	.0000	.0001
%RSD	76.85	51.70	89.01	201.3	11.55	70.07	404.4	76.88	362.0
#1	.0003	.0214	.0005	.0001	.0001	.0015	.0001	.0000	.0001
#2	.0001	.0071	.0009	.0001	.0001	.0037	.0000	.0000	.0001
#3	.0004	.0131	.0001	.0003	.0001	.0073	.0000	.0000	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0148	.0612	-.0033	.0000	F.0013	.0099	.0000	-.0006
Stddev	.0001	.0048	.0201	.0050	.0000	.0004	.0071	.0002	.0006
%RSD	114.1	32.17	32.79	149.0	72.54	31.11	71.57	643.3	95.30
#1	.0001	.0189	.0772	-.0086	.0000	.0018	.0157	-.0001	.0000
#2	.0000	.0160	.0677	.0013	.0000	.0012	.0020	.0002	-.0011
#3	.0002	.0096	.0387	-.0027	.0001	.0010	.0121	-.0001	-.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0008	.0007	.0001	.0000	.0003	-.0015	.0003	.0002
Stddev	.0002	.0002	.0002	.0000	.0001	.0001	.0009	.0004	.0000
%RSD	174.2	19.94	30.23	36.64	898.1	17.86	57.26	129.4	19.10
#1	.0001	.0009	.0008	.0001	.0001	.0004	-.0012	-.0001	.0002
#2	-.0001	.0006	.0008	.0001	.0000	.0003	-.0009	.0005	.0002
#3	-.0004	.0008	.0004	.0002	-.0001	.0003	-.0025	.0004	.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/12/2016 10:14:19 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1781.8	4736.5	34219.	5625.7
Stddev	4.1	3.7	297.	16.0
%RSD	.22747	.07754	.86803	.28426
#1	1784.0	4740.2	34012.	5618.6
#2	1777.1	4732.8	34086.	5644.1
#3	1784.3	4736.4	34559.	5614.6

Sample Name: CCV Acquired: 4/12/2016 12:07:08 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2535	41.15	2.058	2.063	2.035	40.94	2.047	2.037	2.085	2.019
Stddev	.0008	.20	.002	.005	.006	.14	.005	.004	.002	.003
%RSD	.3121	4856	.0762	.2413	.2810	.3527	.2442	.2033	.1074	.1285
#1	.2538	41.36	2.060	2.069	2.041	41.11	2.052	2.042	2.086	2.021
#2	.2541	40.96	2.057	2.059	2.029	40.84	2.046	2.036	2.085	2.019
#3	.2526	41.13	2.058	2.062	2.034	40.88	2.043	2.034	2.082	2.016

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.52	41.61	40.68	2.071	2.044	42.07	2.059	2.025	2.047	2.063
Stddev	.10	.18	.22	.003	.003	.15	.003	.008	.001	.002
%RSD	.2486	.4345	.5435	.1396	.1223	.3650	.1612	.4029	.0673	.0711
#1	39.60	41.81	40.69	2.074	2.042	42.24	2.063	2.032	2.049	2.064
#2	39.41	41.46	40.45	2.071	2.042	41.96	2.058	2.027	2.046	2.064
#3	39.55	41.57	40.89	2.068	2.047	42.01	2.056	2.016	2.046	2.062

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.108	2.072	2.050	2.037	2.018	2.063	2.069
Stddev	.002	.006	.004	.002	.007	.002	.008
%RSD	.1142	.2819	.2025	.1001	.3249	.1040	.3899
#1	2.107	2.079	2.054	2.039	2.025	2.065	2.078
#2	2.107	2.068	2.045	2.035	2.018	2.063	2.066
#3	2.111	2.070	2.051	2.036	2.012	2.060	2.063

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/12/2016 12:07:08 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1738.3	4579.9	34431.	5566.7
Stddev	8.1	14.1	145.	24.9
%RSD	.46327	.30884	.42225	.44674
#1	1729.6	4563.6	34277.	5539.9
#2	1739.6	4586.7	34451.	5589.0
#3	1745.5	4589.3	34566.	5571.2

Sample Name: CCB Acquired: 4/12/2016 12:15:50 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0017	.0005	.0000	.0001	.0035	.0000	-.0001	.0002	.0003
Stddev	.0006	.0067	.0002	.0001	.0000	.0013	.000	.0002	.0002	.0002
%RSD	225.5	389.5	40.44	554.1	23.71	35.91	278.6	207.8	100.8	59.52
#1	.0005	.0019	.0004	.0001	.0001	.0030	.0000	.0000	.0000	.0004
#2	-.0004	.0084	.0007	.0000	.0001	.0049	.0000	-.0003	.0002	.0001
#3	.0007	-.0051	.0004	.0000	.0001	.0026	.0000	.0000	.0003	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0046	.0097	-.0145	.0000	-.0008	-.0001	-.0001	.0002	.0007	-.0003
Stddev	.0007	.0275	.0147	.000	.0000	.0086	.0003	.0002	.0012	.0019
%RSD	15.63	283.7	101.3	203.0	3.889	9062.	301.6	99.34	178.4	616.3
#1	-.0038	.0174	-.0101	-.0001	-.0008	-.0096	-.0003	.0002	.0021	-.0025
#2	-.0051	-.0209	-.0308	-.0001	-.0008	.0072	.0002	.0005	-.0002	.0008
#3	-.0049	.0326	-.0025	.0001	-.0008	.0021	-.0002	.0000	.0001	.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	-.0002	.0000	-.0005	-.0016	.0000	.0002
Stddev	.0001	.0002	.0001	.0002	.0003	.000	.0000
%RSD	10.55	125.4	313.4	28.53	20.31	212.5	8.788
#1	.0007	-.0004	.0000	-.0004	-.0019	.0001	.0002
#2	.0008	-.0001	.0000	-.0005	-.0012	-.0001	.0002
#3	.0009	.0000	.0001	-.0007	-.0017	-.0001	.0002

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/12/2016 12:15:50 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1780.6	4712.4	34172.	5612.7
Stddev	2.1	11.4	33.	72.6
%RSD	.12067	.24197	.09765	1.2936
#1	1783.1	4710.8	34197.	5592.2
#2	1779.5	4724.6	34185.	5693.3
#3	1779.3	4701.9	34134.	5552.5

Sample Name: MP30231-MB1 Acquired: 4/12/2016 12:23:05 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0125	-.0003	.0000	.0000	.0070	.0000	-.0001	.0000	-.0003
Stddev	.0002	.0072	.0001	.000	.000	.0010	.000	.0001	.000	.0003
%RSD	51.05	57.18	31.84	1002.	1372.	13.90	46.89	145.9	6605.	114.0
#1	.0006	.0043	-.0002	-.0002	.0000	.0066	.0000	-.0001	.0000	-.0001
#2	.0004	.0176	-.0004	.0000	.0000	.0081	.0000	.0000	.0001	-.0006
#3	.0002	.0156	-.0003	.0002	.0000	.0063	-.0001	-.0001	-.0001	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0091	.0034	-.0196	.0000	-.0006	.0070	-.0003	-.0008	.0004	-.0013
Stddev	.0015	.0237	.0158	.000	.0001	.0105	.0002	.0005	.0013	.0006
%RSD	16.74	704.9	80.81	217.5	14.18	149.6	47.42	66.40	304.7	49.04
#1	-.0092	.0265	-.0276	.0000	-.0005	-.0015	-.0003	-.0002	-.0009	-.0017
#2	-.0105	-.0208	-.0014	.0000	-.0007	.0187	-.0005	-.0010	.0017	-.0006
#3	-.0075	.0044	-.0298	.0000	-.0007	.0038	-.0002	-.0012	.0005	-.0016

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0108	-.0003	-.0001	-.0006	-.0031	.0001	.0004
Stddev	.0007	.0003	.0001	.0001	.0003	.0004	.0000
%RSD	6.566	89.14	107.0	22.44	9.420	466.0	4.566
#1	.0100	-.0007	-.0001	-.0006	-.0034	.0004	.0004
#2	.0110	-.0002	.0000	-.0004	-.0029	.0001	.0004
#3	.0113	-.0001	-.0001	-.0007	-.0029	-.0003	.0004

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30231-MB1 Acquired: 4/12/2016 12:23:05 Type: QC
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Int. Std. Units, In2306 Cts/S, Y_2243 Cts/S, Y_3600 Cts/S, Y_3710 Cts/S. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Sample Name: MP30231-B1 Acquired: 4/12/2016 12:27:13 Type: QC
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Large table with 10 columns for elements (Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349). Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Sample Name: MP30231-B1 Acquired: 4/12/2016 12:27:13 Type: QC
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 4 columns: Elem Units, Tl1908 ppm, V_2924 ppm, Zn2062 ppm. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Sample Name: MP30231-B1 Acquired: 4/12/2016 12:32:36 Type: QC
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Large table with 12 columns for elements (Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062). Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Sample Name: MP30231-B1 Acquired: 4/12/2016 12:32:36 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1790.8	4726.2	3463.6	5549.2
Stddev	.9	5.5	198.	34.3
%RSD	.05056	.11726	.57179	.61763
#1	1791.0	4721.8	3443.5	5532.2
#2	1791.7	4724.3	3483.0	5526.8
#3	1789.9	4732.4	3464.3	5588.7

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Sample Name: FA32924-3 Acquired: 4/12/2016 12:36:32 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0003	.2385	.0008	.0080	.0001	1.870	.0000	-.0001	.0006	.0000
Stddev	.0002	.0044	.0001	.0002	.0000	.010	.0000	.0001	.0003	.0000
%RSD	76.23	1.828	17.69	2.934	58.43	5.187	731.7	162.3	42.36	796.2
#1	.0005	.2381	.0006	.0080	.0001	1.872	.0000	.0000	.0007	.0001
#2	.0001	.2343	.0008	.0078	.0001	1.859	.0000	.0000	.0009	-.0002
#3	.0002	.2430	.0009	.0083	.0000	1.878	.0000	-.0002	.0003	.0000
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.7133	.4125	.4419	.0038	-.0007	5.627	.0000	.0010	.0001	.0016
Stddev	.0031	.0339	.0098	.0000	.0001	.015	.0000	.0006	.0004	.0001
%RSD	.4286	8.210	2.215	.6465	15.64	.2571	61.81	52.77	545.8	8.932
#1	.7167	.4009	.4532	.0038	-.0007	5.635	.0000	.0016	.0001	.0018
#2	.7107	.3859	.4362	.0038	-.0006	5.610	.0001	.0011	-.0003	.0016
#3	.7127	.4506	.4362	.0038	-.0008	5.635	.0000	.0005	.0005	.0015
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	4.143	-.0003	.0084	.0041	-.0025	.0007	.0113			
Stddev	.007	.0001	.0001	.0008	.0007	.0002	.0000			
%RSD	.1821	16.92	1.372	20.37	28.66	28.57	.3061			
#1	4.134	-.0003	.0083	.0039	-.0031	.0008	.0113			
#2	4.149	-.0003	.0085	.0035	-.0027	.0005	.0113			
#3	4.145	-.0004	.0085	.0051	-.0017	.0009	.0113			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1801.4	4747.4	3448.7	5615.9						
Stddev	6.2	11.7	110.	59.7						
%RSD	.34630	.24540	.31750	1.0627						
#1	1801.7	4737.6	3436.1	5654.8						
#2	1807.4	4760.3	3456.2	5645.6						
#3	1795.0	4744.3	3453.7	5547.1						

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Sample Name: MP30231-D1 Acquired: 4/12/2016 12:40:39 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0005	.2080	.0004	.0078	.0000	1.888	.0000	.0000	.0005	.0003
Stddev	.0005	.0066	.0002	.0001	.0001	.008	.0000	.0000	.0003	.0002
%RSD	98.64	3.175	58.96	1.843	179.3	.4179	139.9	214.6	55.41	87.83
#1	.0003	.2147	.0006	.0078	.0001	1.885	.0000	.0001	.0002	.0005
#2	.0010	.2079	.0005	.0077	.0000	1.897	-.0001	.0000	.0006	.0003
#3	.0001	.2015	.0002	.0080	.0000	1.883	.0000	.0000	.0006	.0000
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.6864	.3978	.4290	.0037	-.0007	5.680	.0001	.0003	.0001	-.0003
Stddev	.0046	.0275	.0049	.0000	.0000	.014	.0002	.0004	.0009	.0011
%RSD	.6740	6.920	1.153	.7501	5.090	.2542	203.4	132.6	126.2	329.5
#1	.6916	.3928	.4238	.0037	-.0007	5.680	-.0001	.0007	-.0004	.0002
#2	.6827	.3732	.4296	.0036	-.0006	5.695	.0003	.0000	.0011	.0003
#3	.6848	.4276	.4337	.0037	-.0007	5.666	.0001	.0001	-.0005	-.0015
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	4.118	-.0002	.0083	.0051	-.0016	.0007	.0111			
Stddev	.008	.0002	.0002	.0039	.0005	.0001	.0000			
%RSD	.2006	71.96	1.912	76.23	31.50	19.62	.2643			
#1	4.126	-.0001	.0083	.0031	-.0022	.0009	.0111			
#2	4.109	-.0004	.0085	.0096	-.0014	.0007	.0110			
#3	4.120	-.0002	.0082	.0026	-.0013	.0006	.0111			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1806.7	4758.5	3452.8	5637.2						
Stddev	1.4	4.5	126.	69.3						
%RSD	.07592	.09433	.36480	1.2301						
#1	1808.1	4753.3	3440.3	5659.0						
#2	1805.4	4760.5	3465.5	5559.5						
#3	1806.6	4761.6	3452.6	5692.9						

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Sample Name: MP30231-SD1 Acquired: 4/12/2016 12:44:44 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0017	.2462	.0003	.0081	.0001	1.861	.0001	-.0006	.0020	.0000
Stddev	.0007	.0439	.0022	.0005	.0005	.016	.0005	.0004	.0005	.001
%RSD	44.24	17.84	750.4	6.765	417.6	.8610	922.1	66.63	25.82	1183.0
#1	.0022	.2076	.0027	.0078	.0004	1.866	.0007	-.0009	.0020	.0003
#2	.0008	.2940	-.0006	.0087	.0004	1.843	-.0002	-.0002	.0015	-.0013
#3	.0019	.2370	-.0012	.0078	-.0005	1.873	-.0003	-.0009	.0025	.0009
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.6343	.2837	.3897	.0033	-.0053	5.619	.0002	-.0042	.0006	-.0016
Stddev	.0150	.1123	.0614	.0003	.0008	.041	.0003	.0025	.0054	.0019
%RSD	2.360	39.58	15.77	7.681	15.05	.7302	116.4	58.30	859.3	117.6
#1	.6467	.4033	.4538	.0036	-.0054	5.647	-.0001	-.0063	.0031	-.0032
#2	.6385	.2670	.3839	.0031	-.0061	5.572	.0003	-.0049	.0044	.0005
#3	.6177	.1807	.3314	.0031	-.0045	5.639	.0005	-.0015	-.0055	-.0023
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	4.128	-.0026	.0084	.0001	-.0012	.0009	.0596			
Stddev	.006	.0012	.0001	.0006	.0077	.0009	.0004			
%RSD	.1349	46.06	.9680	544.9	670.0	99.89	.6150			
#1	4.125	-.0031	.0083	-.0004	-.0054	.0018	.0600			
#2	4.135	-.0012	.0084	.0008	-.0058	.0007	.0593			
#3	4.125	-.0035	.0084	.0000	.0078	.0001	.0596			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1788.1	4772.9	3403.2	5662.3						
Stddev	6.5	11.5	181.	27.9						
%RSD	.36545	.24063	.53085	.49260						
#1	1793.2	4780.3	3418.5	5680.2						
#2	1790.4	4778.8	3407.8	5676.6						
#3	1780.7	4759.7	3383.3	5630.2						

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Sample Name: MP30231-PS1 Acquired: 4/12/2016 12:48:50 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0478	2.880	.1058	.2847	.0537	7.264	.0532	.0522	.0550	.1057
Stddev	.0004	.009	.0001	.0009	.0001	.030	.0001	.0001	.0007	.0004
%RSD	8893	2941	.0516	3226	.1514	4178	.1077	2382	1260	3566

#1	.0474	2.874	.1058	.2852	.0536	7.237	.0531	.0521	.0555	.1058
#2	.0477	2.890	.1058	.2852	.0538	7.297	.0532	.0523	.0553	.1053
#3	.0482	2.877	.1059	.2836	.0538	7.258	.0532	.0521	.0542	.1060

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	3.927	11.13	5.792	.0596	.1023	16.32	.1040	.0522	.1077	.0994
Stddev	.005	.03	.027	.0001	.0003	.08	.0001	.0003	.0007	.0009
%RSD	.1176	.2312	.4721	.1595	.3312	.4777	.1359	.6219	.6042	.9271

#1	3.924	11.10	5.764	.0595	.1019	16.30	.1041	.0524	.1078	.1004
#2	3.925	11.15	5.819	.0597	.1024	16.41	.1038	.0524	.1083	.0986
#3	3.932	11.13	5.794	.0597	.1025	16.26	.1040	.0519	.1070	.0991

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	4.118	.0498	.0609	.1103	.1001	.0526	.2887
Stddev	.006	.0002	.0002	.0007	.0006	.0005	.0003
%RSD	.1467	.4724	.3000	.6380	.6200	.9822	.1089

#1	4.114	.0501	.0610	.1095	.1006	.0521	.2884
#2	4.116	.0496	.0609	.1109	.1003	.0531	.2886
#3	4.125	.0497	.0607	.1103	.0994	.0526	.2890

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1794.6	4771.4	34377.	5585.0
Stddev	5.3	4.2	190.	40.4
%RSD	.29255	.08724	.55371	.72347

#1	1789.6	4774.1	34596.	5631.5
#2	1800.1	4773.5	34249.	5558.8
#3	1794.2	4766.6	34288.	5564.6

Sample Name: MP30231-S1 Acquired: 4/12/2016 12:52:49 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0504	27.78	2.006	2.125	.0526	28.17	.0515	.0506	.2111	.2605
Stddev	.0001	.09	.002	.005	.0003	.03	.0001	.0001	.0008	.0004
%RSD	2974	3223	.1050	.2228	.5141	.1201	.1870	.0241	3681	1699

#1	.0502	27.87	2.004	2.130	.0529	28.13	.0515	.0561	.2106	.2610
#2	.0504	27.77	2.007	2.125	.0524	28.19	.0514	.0509	.2120	.2605
#3	.0505	27.69	2.008	2.120	.0524	28.19	.0515	.0560	.2108	.2601

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	27.67	26.82	26.27	.5434	.4938	32.32	.5157	.5121	.5037	1.981
Stddev	.03	.11	.01	.0002	.0007	.04	.0003	.0012	.0013	.003
%RSD	.1045	.4045	.0473	.0411	.1323	.1260	.0677	.2411	.2587	.1448

#1	27.64	26.94	26.28	.5436	.4936	32.30	.5157	.5132	.5038	1.981
#2	27.70	26.81	26.26	.5432	.4933	32.36	.5154	.5108	.5023	1.978
#3	27.66	26.72	26.28	.5434	.4945	32.29	.5160	.5124	.5049	1.983

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	4.084	.0576	.5127	.5093	2.027	.5010	.5292
Stddev	.006	.0008	.0005	.0009	.003	.0004	.0001
%RSD	.1514	.1552	.0936	.1835	.1419	.0800	.0104

#1	4.078	.5077	.5123	.5095	2.026	.5006	.5293
#2	4.091	.5068	.5132	.5083	2.024	.5013	.5292
#3	4.083	.5083	.5125	.5102	2.030	.5013	.5291

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1790.9	4733.0	34410.	5570.8
Stddev	4.8	8.0	101.	5.7
%RSD	.27017	.16945	.29407	.10205

#1	1785.3	4723.9	34508.	5566.2
#2	1793.4	4738.9	34416.	5577.2
#3	1794.0	4736.3	34306.	5569.1

Sample Name: MP30231-S2 Acquired: 4/12/2016 12:56:46 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0508	27.25	2.008	2.111	.0520	28.13	.0519	.5097	.2109	.2611
Stddev	.0005	.11	.002	.007	.0002	.13	.0000	.0006	.0006	.0008
%RSD	1.002	.4136	.1115	.3289	.3609	.4768	.0252	.1253	.2694	.3093

#1	.0511	27.34	2.006	2.119	.0522	28.28	.0519	.5097	.2107	.2606
#2	.0502	27.27	2.010	2.107	.0519	28.03	.0519	.5091	.2104	.2607
#3	.0511	27.12	2.007	2.106	.0519	28.07	.0519	.5104	.2115	.2620

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	27.63	26.48	26.19	.5478	.4991	32.15	.5176	.5186	.5031	1.986
Stddev	.10	.12	.16	.0017	.0008	.11	.0003	.0013	.0011	.004
%RSD	.3528	.4613	.6257	.3042	.1626	.3384	.0629	.2459	.2137	.1987

#1	27.73	26.61	26.37	.5470	.4988	32.27	.5179	.5175	.5036	1.988
#2	27.54	26.45	26.05	.5466	.4986	32.07	.5172	.5200	.5019	1.981
#3	27.62	26.37	26.14	.5497	.5001	32.11	.5176	.5183	.5039	1.988

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	4.147	.5082	.5167	.5182	2.059	.5001	.5338
Stddev	.006	.0011	.0013	.0031	.004	.0018	.0005
%RSD	.1379	.2169	.2585	.6060	.1711	.3529	.0866

#1	4.141	.5092	.5181	.5160	2.055	.4983	.5333
#2	4.152	.5085	.5166	.5167	2.061	.5002	.5338
#3	4.147	.5070	.5155	.5218	2.061	.5018	.5342

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1780.0	4737.1	34152.	5666.4
Stddev	3.5	8.2	131.	18.8
%RSD	.19741	.17292	.38410	.33180

#1	1776.6	4727.8	34249.	5647.6
#2	1779.7	4740.2	34205.	5685.2
#3	1783.6	4743.3	34003.	5666.5

Sample Name: FA32924-1 Acquired: 4/12/2016 13:00:42 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0002	1.538	.0002	.0155	.0001	2.328	.0000	.0001	.0014	.0002
Stddev	.0002	.012	.0002	.0001	.0000	.008	.000	.0000	.0002	.0005
%RSD	74.43	.7793	121.3	.6292	29.65	.3350	104.4	30.96	11.78	242.7

#1	.0004	1.551	.0004	.0156	.0001	2.334	.0000	.0001	.0013	.0007
#2	.0002	1.527	.0003	.0155	.0002	2.331	.0000	.0001	.0016	.0004
#3	.0001									

Sample Name: CCV Acquired: 4/12/2016 13:04:47 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2548	41.02	2.024	2.075	2.077	40.76	2.054	2.042	2.071	2.047
Stddev	.0005	.09	.004	.003	.003	.05	.001	.001	.002	.006
%RSD	.1938	.2304	.1790	.1413	.1455	.1298	.0508	.0623	.1118	.3032
#1	2543	41.13	2.025	2.077	2.078	40.82	2.053	2.041	2.073	2.043
#2	2547	40.96	2.020	2.071	2.074	40.72	2.055	2.043	2.071	2.054
#3	2553	40.98	2.028	2.076	2.079	40.75	2.055	2.042	2.069	2.044

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.30	42.08	40.96	2.099	2.037	41.72	2.034	2.060	2.026	2.024
Stddev	.07	.14	.06	.005	.005	.09	.001	.005	.003	.001
%RSD	.1735	.3244	.1352	.2390	.2530	.2057	.0276	.2427	.1476	.0265
#1	40.24	42.22	41.02	2.097	2.032	41.82	2.034	2.057	2.029	2.024
#2	40.28	42.08	40.91	2.096	2.038	41.67	2.033	2.057	2.024	2.023
#3	40.38	41.95	40.95	2.105	2.042	41.67	2.034	2.066	2.024	2.024

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.084	2.020	2.102	2.081	2.060	2.068	2.063
Stddev	.002	.001	.003	.005	.001	.002	.001
%RSD	.0827	.0539	.1346	.2491	.0365	.0864	.0621
#1	2.084	2.020	2.103	2.077	2.060	2.069	2.062
#2	2.083	2.019	2.099	2.078	2.060	2.069	2.064
#3	2.086	2.021	2.104	2.087	2.061	2.066	2.064

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 4/12/2016 13:04:47 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1739.0	4661.4	34106.	5489.6
Stddev	2.4	3.5	120.	7.7
%RSD	.13602	.07423	.35063	.14032
#1	1740.6	4664.6	34090.	5483.9
#2	1740.0	4657.7	34232.	5498.4
#3	1736.2	4661.9	33995.	5486.5

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.30	42.08	40.96	2.099	2.037	41.72	2.034	2.060	2.026	2.024
Stddev	.07	.14	.06	.005	.005	.09	.001	.005	.003	.001
%RSD	.1735	.3244	.1352	.2390	.2530	.2057	.0276	.2427	.1476	.0265
#1	40.24	42.22	41.02	2.097	2.032	41.82	2.034	2.057	2.029	2.024
#2	40.28	42.08	40.91	2.096	2.038	41.67	2.033	2.057	2.024	2.023
#3	40.38	41.95	40.95	2.105	2.042	41.67	2.034	2.066	2.024	2.024

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.084	2.020	2.102	2.081	2.060	2.068	2.063
Stddev	.002	.001	.003	.005	.001	.002	.001
%RSD	.0827	.0539	.1346	.2491	.0365	.0864	.0621
#1	2.084	2.020	2.103	2.077	2.060	2.069	2.062
#2	2.083	2.019	2.099	2.078	2.060	2.069	2.064
#3	2.086	2.021	2.104	2.087	2.061	2.066	2.064

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCB Acquired: 4/12/2016 13:08:42 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0023	.0017	.0001	.0001	.0025	.0000	-.0001	.0000
Stddev	.0004	.0077	.0008	.0001	.0001	.0038	.000	.0001	.000
%RSD	62.14	328.3	50.08	93.07	132.7	156.1	155.5	124.7	250.4
#1	.0009	-.0031	.0012	.0003	.0000	.0005	.0000	-.0001	.0001
#2	.0010	-.0010	.0027	.0002	.0002	.0069	.0000	.0000	-.0004
#3	.0002	.0112	.0012	.0000	.0000	.0000	.0000	-.0001	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0164	.0539	-.0104	.0001	F .0012	.0124	-.0001	-.0002
Stddev	.0003	.0062	.0216	.0183	.0000	.0006	.0016	.0001	.0007
%RSD	248.6	37.89	40.02	176.0	31.38	46.84	12.69	93.04	349.4
#1	-.0004	.0234	.0494	-.0213	.0000	.0019	.0123	-.0001	.0002
#2	-.0002	.0144	.0774	-.0205	.0001	.0010	.0141	-.0001	.0002
#3	-.0002	.0114	.0350	.0107	.0001	.0008	.0109	.0000	-.0010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	-.0002	.0017	.0001	.0000	.0007	-.0005	-.0001	.0002
Stddev	.0006	.0016	.0001	.0003	.0000	.0001	.0014	.0002	.0000
%RSD	56.77	861.7	6.334	301.9	90.12	12.00	293.7	137.0	19.24
#1	.0010	-.0018	.0018	.0005	.0001	.0007	-.0010	-.0002	.0002
#2	.0004	.0014	.0017	.0000	.0000	.0008	.0011	.0001	.0003
#3	.0015	-.0001	.0016	-.0002	.0000	.0006	-.0015	-.0002	.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/12/2016 13:08:42 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1761.9	4736.1	33335.	5498.4
Stddev	3.0	1.5	90.	34.5
%RSD	.17075	.03149	.27023	.62753
#1	1765.3	4737.7	33255.	5486.7
#2	1760.5	4734.8	33432.	5537.3
#3	1759.8	4735.7	33318.	5471.3

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	-.0002	.0017	.0001	.0000	.0007	-.0005	-.0001	.0002
Stddev	.0006	.0016	.0001	.0003	.0000	.0001	.0014	.0002	.0000
%RSD	56.77	861.7	6.334	301.9	90.12	12.00	293.7	137.0	19.24
#1	.0010	-.0018	.0018	.0005	.0001	.0007	-.0010	-.0002	.0002
#2	.0004	.0014	.0017	.0000	.0000	.0008	.0011	.0001	.0003
#3	.0015	-.0001	.0016	-.0002	.0000	.0006	-.0015	-.0002	.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: FA32924-2 Acquired: 4/12/2016 13:12:51 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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Sample Name: FA32924-4 Acquired: 4/12/2016 13:16:56 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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Sample Name: FA32924-5 Acquired: 4/12/2016 13:21:02 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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Sample Name: FA32924-6 Acquired: 4/12/2016 13:25:08 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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Sample Name: FA32931-1 Acquired: 4/12/2016 13:29:14 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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Sample Name: FA32993-3 Acquired: 4/12/2016 13:33:29 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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Sample Name: FA32993-4 Acquired: 4/12/2016 13:37:34 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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Sample Name: FA32993-5 Acquired: 4/12/2016 13:41:40 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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Sample Name: FA32993-6 Acquired: 4/12/2016 13:45:44 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0004	.0223	-.0008	.0320	.0000	54.75	-.0001	-.0002	.0003	-.0003
Stddev	.0002	.0049	.0008	.0001	.0000	.08	.0000	.0000	.0003	.0003
%RSD	57.05	22.23	102.6	.3557	354.1	.1454	38.11	6.215	95.62	91.09
#1	.0002	.0261	-.0002	.0319	.0000	54.71	-.0001	-.0002	.0000	.0000
#2	.0004	.0240	-.0005	.0321	.0000	54.70	-.0001	-.0002	.0006	-.0005
#3	.0007	.0167	-.0017	.0321	.0000	54.84	-.0001	-.0002	.0005	-.0005
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0346	3.553	2.935	.0006	.0008	2.024	-.0003	-.0006	.0009	.0015
Stddev	.0045	.020	.048	.0000	.0001	.014	.0000	.0006	.0004	.0010
%RSD	12.94	.5743	1.622	4.603	6.332	.7030	11.87	99.18	46.26	69.29
#1	.0388	3.545	2.900	.0007	.0008	2.029	-.0002	-.0012	.0004	.0006
#2	.0351	3.538	2.989	.0006	.0008	2.008	-.0003	-.0001	.0012	.0026
#3	.0299	3.576	2.916	.0006	.0008	2.035	-.0003	-.0004	.0011	.0012
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	.8582	-.0002	.1334	.0006	-.0024	.0017	.0091			
Stddev	.0019	.0004	.0001	.0001	.0006	.0004	.0001			
%RSD	.2263	158.5	.0842	21.81	23.20	21.85	6089			
#1	.8573	-.0003	.1335	.0005	-.0027	.0013	.0090			
#2	.8569	.0002	.1333	.0008	-.0028	.0020	.0091			
#3	.8604	-.0006	.1335	.0007	-.0018	.0017	.0091			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1802.5	4859.7	34385.	5587.0						
Stddev	4.7	7.1	137.	18.7						
%RSD	.26252	.14534	.39801	.33457						
#1	1798.3	4854.7	34257.	5608.0						
#2	1807.6	4867.8	34529.	5572.2						
#3	1801.7	4856.5	34369.	5580.9						

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Sample Name: FA32993-7 Acquired: 4/12/2016 13:49:50 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0004	.0928	-.0001	.0628	.0000	33.21	-.0001	-.0001	.0005	-.0003
Stddev	.0003	.0076	.0004	.0004	.0000	.01	.0001	.0000	.0002	.0005
%RSD	90.82	8.206	266.1	.5935	90.06	.0370	43.71	34.58	40.89	140.4
#1	.0002	.1014	.0002	.0627	.0000	33.22	-.0002	-.0001	.0003	-.0002
#2	.0002	.0870	-.0006	.0624	.0000	33.21	-.0001	-.0001	.0007	.0000
#3	.0008	.0900	-.0001	.0632	.0000	33.20	-.0001	-.0002	.0005	-.0009
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	-.0042	21.44	2.598	.0076	.0058	8.272	-.0003	-.0014	.0006	.0015
Stddev	.0018	.05	.016	.0000	.0002	.011	.0001	.0005	.0011	.0006
%RSD	42.33	.2175	.6008	.3424	4.251	.1376	37.88	40.30	172.3	40.88
#1	-.0053	21.49	2.601	.0076	.0060	8.285	-.0005	-.0009	-.0006	.0018
#2	-.0052	21.41	2.581	.0077	.0059	8.265	-.0002	-.0019	.0009	.0008
#3	-.0022	21.42	2.612	.0076	.0056	8.266	-.0004	-.0013	.0016	.0019
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	.7036	-.0003	.0650	.0007	-.0026	.0014	.0095			
Stddev	.0008	.0001	.0001	.0001	.0015	.0002	.0001			
%RSD	.1075	29.54	.1633	18.29	58.40	14.61	.8392			
#1	.7038	-.0002	.0650	.0008	-.0016	.0013	.0096			
#2	.7043	-.0004	.0650	.0006	-.0019	.0016	.0094			
#3	.7028	-.0003	.0649	.0007	-.0044	.0013	.0095			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1788.3	4831.7	34091.	5502.9						
Stddev	.9	10.4	19.	40.9						
%RSD	.05052	.21525	.05595	.73704						
#1	1787.3	4831.7	34090.	5502.9						
#2	1788.5	4839.8	34052.	5584.5						
#3	1789.1	4852.4	34072.	5547.6						

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Sample Name: CCV Acquired: 4/12/2016 13:53:57 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2573	40.04	2.001	2.056	2.073	40.34	2.055	2.039	2.049	2.068
Stddev	.0016	.04	.005	.004	.004	.11	.003	.004	.004	.004
%RSD	.6083	.0916	.2281	.2033	.2182	.2695	.1536	.2012	.2004	.1691
#1	2555	40.02	1.998	2.059	2.078	40.37	2.053	2.034	2.048	2.067
#2	2586	40.02	2.006	2.051	2.069	40.22	2.059	2.043	2.054	2.065
#3	2577	40.08	1.998	2.058	2.072	40.43	2.054	2.039	2.045	2.071
Check ?	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass
Value										
Range										
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.51	41.88	41.01	2.126	2.030	41.19	2.010	2.080	2.005	2.004
Stddev	.13	.04	.17	.005	.006	.10	.003	.004	.005	.004
%RSD	.3188	.0855	.4037	.2397	.2967	.2365	.1661	.2064	.2310	.1802
#1	40.48	41.92	40.84	2.125	2.023	41.20	2.009	2.085	2.004	2.001
#2	40.40	41.85	41.17	2.132	2.034	41.09	2.014	2.079	2.010	2.008
#3	40.65	41.87	41.03	2.122	2.032	41.28	2.008	2.077	2.001	2.003
Check ?	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass
Value										
Range										
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm			
Avg	2.068	1.974	2.128	2.124	2.083	2.066	2.059			
Stddev	.005	.004	.005	.003	.002	.002	.003			
%RSD	.2668	.2055	.2541	.1315	.0860	.1046	.1528			
#1	2.063	1.974	2.129	2.123	2.081	2.068	2.059			
#2	2.074	1.978	2.123	2.127	2.084	2.066	2.062			
#3	2.067	1.970	2.134	2.121	2.084	2.064	2.055			
Check ?	None	Chk	Pass	Chk	Pass	Chk	Pass			
Value										
Range										

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Sample Name: CCV Acquired: 4/12/2016 13:53:57 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1740.7	4721.9	33862.	5474.3
Stddev	2.7	4.8	205.	33.5
%RSD	.15619	.10209	.60417	.61184
#1	1737.7	4723.6	33822.	5511.9
#2	1741.3	4716.4	33681.	5447.8
#3	1743.0	4725.6	34084.	5463.1

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Sample Name: CCB Acquired: 4/12/2016 13:57:52 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0111	.0006	.0002	.0000	.0010	.0000	.0001	.0002
Stddev	.0004	.0079	.0007	.0002	.0001	.0009	.000	.0001	.0003
%RSD	314.5	70.59	120.9	83.75	752.5	90.42	251.8	91.11	181.4
#1	-0.005	.0140	.0014	.0001	-.0001	.0009	.0001	.0002	.0003
#2	-0.003	.0171	.0003	.0004	.0000	.0021	-.0001	.0001	.0004
#3	-.0002	.0022	.0001	.0001	.0001	.0002	-.0001	.0000	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	.0183	.0368	.0036	.0000	F.0013	.0098	-.0001	-.0010
Stddev	.0003	.0070	.0170	.0325	.0000	.0006	.0088	.0001	.0006
%RSD	78.44	38.42	46.10	895.6	76.92	45.62	90.26	55.16	62.56
#1	-.0004	.0263	.0546	.0120	.0000	.0019	.0045	-.0001	-.0015
#2	-.0008	.0153	.0209	.0311	.0000	.0012	.0199	-.0002	-.0010
#3	-.0001	.0132	.0349	-.0323	.0001	.0007	.0048	-.0001	-.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	-.0003	.0015	.0002	.0000	.0009	-.0009	.0000	.0003
Stddev	.0005	.0020	.0003	.0001	.0000	.0002	.0002	.0003	.0000
%RSD	45.59	665.7	21.48	60.14	145.3	19.54	17.34	625.9	16.48
#1	.0009	-.0019	.0014	.0004	.0001	.0010	-.0008	.0001	.0003
#2	.0017	-.0009	.0013	.0002	.0000	.0010	-.0011	.0003	.0003
#3	.0007	.0019	.0019	.0001	.0000	.0007	-.0010	-.0003	.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICV Acquired: 4/12/2016 14:26:46 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2437	41.72	1.965	2.078	2.069	42.79	2.005	2.003	1.996	1.972
Stddev	.0004	.05	.003	.004	.003	.14	.001	.001	.004	.001
%RSD	.1762	.1276	.1294	.1799	.1346	.3320	.0558	.0671	.2006	.0405
#1	.2438	41.78	1.963	2.077	2.069	42.69	2.005	2.002	1.992	1.972
#2	.2441	41.69	1.965	2.075	2.066	42.73	2.004	2.002	1.998	1.973
#3	.2432	41.70	1.968	2.082	2.072	42.95	2.006	2.005	1.999	1.971

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	42.49	43.21	43.02	2.051	1.911	43.13	2.007	1.995	1.982	2.008
Stddev	.13	.03	.19	.004	.003	.12	.001	.004	.002	.002
%RSD	.2959	.0599	.4520	.1934	.1348	.2886	.0242	.2244	.1125	.1078
#1	42.41	43.18	42.81	2.047	1.909	43.11	2.007	1.993	1.984	2.007
#2	42.44	43.23	43.05	2.053	1.911	43.02	2.007	1.991	1.980	2.007
#3	42.64	43.23	43.19	2.054	1.914	43.27	2.008	2.000	1.980	2.011

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0985	2.028	1.996	1.943	2.045	1.905	2.032
Stddev	.0004	.002	.007	.002	.007	.003	.002
%RSD	.3614	.0731	.3571	.1102	.3398	.1768	.0944
#1	.0989	2.026	1.990	1.941	2.043	1.901	2.030
#2	.0984	2.029	1.995	1.944	2.040	1.907	2.031
#3	.0982	2.029	2.004	1.945	2.053	1.906	2.034

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 4/12/2016 13:57:52 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1775.0	4853.5	33381.	5502.3
Stddev	6.9	7.0	135.	36.8
%RSD	.39028	.14428	.40410	.66966
#1	1767.0	4846.5	33243.	5471.3
#2	1779.8	4860.5	33513.	5543.0
#3	1778.0	4853.7	33387.	5492.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	.0183	.0368	.0036	.0000	F.0013	.0098	-.0001	-.0010
Stddev	.0003	.0070	.0170	.0325	.0000	.0006	.0088	.0001	.0006
%RSD	78.44	38.42	46.10	895.6	76.92	45.62	90.26	55.16	62.56
#1	-.0004	.0263	.0546	.0120	.0000	.0019	.0045	-.0001	-.0015
#2	-.0008	.0153	.0209	.0311	.0000	.0012	.0199	-.0002	-.0010
#3	-.0001	.0132	.0349	-.0323	.0001	.0007	.0048	-.0001	-.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	-.0003	.0015	.0002	.0000	.0009	-.0009	.0000	.0003
Stddev	.0005	.0020	.0003	.0001	.0000	.0002	.0002	.0003	.0000
%RSD	45.59	665.7	21.48	60.14	145.3	19.54	17.34	625.9	16.48
#1	.0009	-.0019	.0014	.0004	.0001	.0010	-.0008	.0001	.0003
#2	.0017	-.0009	.0013	.0002	.0000	.0010	-.0011	.0003	.0003
#3	.0007	.0019	.0019	.0001	.0000	.0007	-.0010	-.0003	.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICV Acquired: 4/12/2016 14:26:46 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1738.6	4716.5	33856.	5397.1
Stddev	4.4	4.9	135.	16.1
%RSD	.25247	.10485	.39744	.29884
#1	1739.4	4719.4	34011.	5409.6
#2	1742.5	4719.4	33776.	5378.9
#3	1733.8	4710.8	33781.	5402.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	42.49	43.21	43.02	2.051	1.911	43.13	2.007	1.995	1.982	2.008
Stddev	.13	.03	.19	.004	.003	.12	.001	.004	.002	.002
%RSD	.2959	.0599	.4520	.1934	.1348	.2886	.0242	.2244	.1125	.1078
#1	42.41	43.18	42.81	2.047	1.909	43.11	2.007	1.993	1.984	2.007
#2	42.44	43.23	43.05	2.053	1.911	43.02	2.007	1.991	1.980	2.007
#3	42.64	43.23	43.19	2.054	1.914	43.27	2.008	2.000	1.980	2.011

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0985	2.028	1.996	1.943	2.045	1.905	2.032
Stddev	.0004	.002	.007	.002	.007	.003	.002
%RSD	.3614	.0731	.3571	.1102	.3398	.1768	.0944
#1	.0989	2.026	1.990	1.941	2.043	1.901	2.030
#2	.0984	2.029	1.995	1.944	2.040	1.907	2.031
#3	.0982	2.029	2.004	1.945	2.053	1.906	2.034

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/12/2016 14:33:22 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2482	39.73	1.985	2.005	2.026	39.92	2.009	1.993	2.014	1.994
Stddev	.0008	.07	.001	.002	.005	.05	.001	.002	.003	.006
%RSD	.3335	.1706	.0241	.0837	.2588	.1151	.0705	.0922	.1667	.3072
#1	2478	39.74	1.986	2.006	2.024	39.97	2.009	1.994	2.016	1.992
#2	2492	39.66	1.985	2.003	2.023	39.91	2.008	1.991	2.015	2.000
#3	2477	39.80	1.985	2.007	2.033	39.88	2.010	1.994	2.010	1.988

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.56	40.70	40.23	2.040	1.981	40.40	1.988	1.988	1.980	1.986
Stddev	.07	.05	.10	.003	.003	.07	.002	.006	.002	.003
%RSD	.1654	.1270	.2524	.1220	.1596	.1821	.0760	.3029	.1157	.1583
#1	39.52	40.76	40.17	2.038	1.978	40.49	1.989	1.995	1.978	1.989
#2	39.52	40.67	40.34	2.042	1.982	40.36	1.986	1.986	1.983	1.983
#3	39.63	40.67	40.17	2.039	1.984	40.36	1.988	1.983	1.979	1.986

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.042	1.982	2.058	2.020	1.986	2.008	2.015
Stddev	.001	.002	.002	.004	.008	.003	.005
%RSD	.0499	.1177	.1037	.1997	.3854	.1286	.2587
#1	2.043	1.985	2.060	2.016	1.994	2.009	2.015
#2	2.042	1.980	2.056	2.024	1.986	2.011	2.009
#3	2.042	1.983	2.059	2.020	1.979	2.006	2.020

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 4/12/2016 14:38:28 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0023	.0010	.0003	.0001	.0030	.0000	.0001
Stddev	.0002	.0103	.0006	.0002	.0000	.0029	.0001	.0001
%RSD	103.6	439.7	57.17	51.19	57.05	97.13	191.9	178.3
#1	-.0004	.0057	.0004	.0003	.0000	.0064	.0001	.0002
#2	.0000	-.0092	.0016	.0005	.0000	.0011	.0001	.0000
#3	-.0002	.0105	.0010	.0002	.0001	.0016	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0000	.0181	.0552	.0104	.0001	F .0017	.0208
Stddev	.0003	.0002	.0061	.0239	.0114	.0000	.0003	.0095
%RSD	1039.	588.9	33.71	43.30	109.7	41.69	15.31	45.83
#1	.0003	-.0001	.0249	.0761	.0234	.0001	.0019	.0101
#2	-.0003	-.0001	.0162	.0605	.0057	.0001	.0018	.0239
#3	.0001	.0003	.0132	.0291	.0021	.0001	.0014	.0284

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass
 High Limit Low Limit

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	F-.0011	.0008	.0005	-.0003	.0008	.0001	.0011
Stddev	.0002	.0005	.0007	.0004	.0005	.0002	.0000	.0001
%RSD	140.5	43.71	84.27	77.74	153.2	26.16	8.401	6.464
#1	.0003	-.0006	.0000	.0008	.0001	.0010	.0001	.0011
#2	.0002	-.0010	.0012	.0001	-.0008	.0007	.0001	.0011
#3	-.0001	-.0016	.0012	.0004	-.0002	.0007	.0001	.0010

Check ? Chk Pass Chk Fail Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCV Acquired: 4/12/2016 14:33:22 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1738.5	4733.9	33538.	5444.3
Stddev	7.7	18.1	116.	37.6
%RSD	.44120	.38194	.34538	.69140
#1	1731.8	4732.1	33491.	5443.1
#2	1746.9	4752.8	33670.	5407.2
#3	1736.7	4716.8	33454.	5482.5

Sample Name: CCB Acquired: 4/12/2016 14:38:28 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	.0003	.0002	.0000
Stddev	.0004	.0003	.0001
%RSD	134.0	141.7	203.2
#1	.0005	.0005	.0001
#2	-.0002	.0001	.0000
#3	.0006	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1742.4	4780.1	32831.	5338.9
Stddev	1.2	17.3	229.	67.3
%RSD	.06622	.36214	.69771	1.2602
#1	1741.1	4773.5	33095.	5271.9
#2	1743.2	4799.8	32685.	5338.3
#3	1743.0	4767.2	32712.	5406.5

Sample Name: FA32993-8 Acquired: 4/12/2016 14:49:05 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	
Avg	-0.004	.1189	-0.008	.0175	.0000	1.731	.0000	.0000	.0002	.0006	
Stddev	.0005	.0045	.0002	.0002	.0001	.008	.000	.000	.0005	.0002	
%RSD	133.9	3.788	24.88	.9373	737.7	.4549	108.4	260.7	227.2	25.29	
#1	-0.007	.1172	-0.009	.0177	-0.001	1.739	.0000	.0001	-0.002	.0008	
#2	.0002	.1154	-0.005	.0174	.0001	1.729	.0000	-0.001	.0001	.0005	
#3	-0.007	.1240	-0.009	.0176	.0001	1.724	.0000	-0.001	.0007	.0006	
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	
Avg	.0348	3.084	.2480	.0015	.0005	1.640	-0.001	.0002	.0009	.0010	
Stddev	.0021	.022	.0164	.0000	.0002	.011	.0001	.0008	.0012	.0005	
%RSD	6.154	.7064	6.624	2.633	40.15	.6762	79.20	328.1	139.6	56.70	
#1	.0360	3.101	.2652	.0015	.0007	1.635	-0.002	.0003	.0020	.0010	
#2	.0323	3.093	.2461	.0014	.0004	1.652	.0000	.0010	.0011	.0015	
#3	.0361	3.060	.2326	.0015	.0003	1.632	-0.003	-0.005	-0.004	.0004	
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062				
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)				
Avg	.9608	.0005	.0213	.0028	-0.009	.0004	.1077				
Stddev	.0012	.0002	.0001	.0001	.0002	.0002	.0003				
%RSD	.1262	44.46	.4403	4.314	22.00	54.64	2.401				
#1	.9617	.0004	.0213	.0028	-0.010	.0005	.1076				
#2	.9594	.0007	.0212	.0027	-0.010	.0002	.1075				
#3	.9613	.0003	.0214	.0030	-0.007	.0006	.1080				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710							
Avg	1771.2	4841.2	33222	5457.9							
Stddev	.5	10.1	210	37.1							
%RSD	.02709	.20887	.63092	.68005							
#1	1771.8	4844.8	32998	5442.2							
#2	1771.0	4849.0	33413	5431.2							
#3	1770.9	4829.8	33255	5500.3							

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Sample Name: FA32993-9 Acquired: 4/12/2016 14:53:11 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	
Avg	-0.002	1.409	-0.004	.2168	.0004	11.92	.0006	.0041	.0005	.0032	
Stddev	.0004	.016	.0005	.0008	.0001	.05	.0000	.0001	.0001	.0003	
%RSD	258.0	1.125	137.3	.3560	14.67	.3841	3.041	1.344	16.06	10.22	
#1	-0.007	1.412	.0001	.2176	.0003	11.97	.0006	.0041	.0004	.0029	
#2	.0001	1.392	-0.009	.2160	.0004	11.88	.0006	.0040	.0006	.0035	
#3	.0000	1.423	-0.004	.2167	.0004	11.90	.0006	.0041	.0005	.0031	
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	
Avg	.0266	5.829	3.887	.1326	.0001	13.82	.0035	-0.007	-0.003	.0018	
Stddev	.0011	.049	.050	.0006	.0002	.02	.0002	.0002	.0012	.0005	
%RSD	4.240	.8412	1.291	.4902	140.6	.1784	5.092	30.64	417.6	27.42	
#1	.0253	5.867	3.940	.1331	.0001	13.85	.0037	-0.005	-0.005	.0012	
#2	.0270	5.773	3.841	.1327	.0000	13.80	.0034	-0.009	-0.010	.0021	
#3	.0274	5.845	3.879	.1319	.0003	13.82	.0034	-0.007	-0.014	.0020	
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062				
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)				
Avg	1.642	.0004	.0736	.0008	-0.010	.0003	.1641				
Stddev	.001	.0003	.0001	.0001	.0003	.0002	.0004				
%RSD	.0500	70.40	.1577	17.38	34.65	49.13	2.330				
#1	1.643	.0007	.0737	.0006	-0.014	.0005	.1642				
#2	1.641	.0002	.0736	.0009	-0.008	.0004	.1644				
#3	1.643	.0003	.0735	.0008	-0.008	.0002	.1637				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710							
Avg	1778.6	4912.7	33787	5517.9							
Stddev	7.8	22.8	246	28.6							
%RSD	.43744	.46458	.72726	.51789							
#1	1774.7	4899.7	33509	5485.3							
#2	1773.5	4899.3	33877	5538.7							
#3	1787.6	4939.0	33976	5529.7							

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Sample Name: FA32993-10 Acquired: 4/12/2016 14:57:17 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	
Avg	-0.003	.0784	-0.003	.0133	.0001	2.602	.0001	.0003	.0000	.0788	
Stddev	.0003	.0075	.0003	.0002	.0001	.004	.0000	.0001	.0008	.0003	
%RSD	86.83	9.559	96.06	1.147	138.8	.1426	57.52	30.72	2690.	.3259	
#1	-0.004	.0777	-0.006	.0134	.0001	2.602	.0001	.0003	.0003	.0786	
#2	-0.005	.0713	.0000	.0131	.0001	2.599	.0000	.0002	.0007	.0791	
#3	.0000	.0862	-0.003	.0133	.0000	2.606	.0001	.0003	-0.009	.0787	
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	
Avg	.3588	.6966	1.877	.0356	.0003	3.635	.0003	.0014	.0001	.0002	
Stddev	.0028	.0138	.020	.0001	.0001	.007	.0001	.0003	.0009	.0008	
%RSD	.7917	1.983	1.064	.3633	35.85	.1831	25.81	21.05	632.9	421.2	
#1	.3618	.7097	1.856	.0358	.0004	3.643	.0003	.0011	-0.006	-0.002	
#2	.3587	.6980	1.882	.0356	.0004	3.629	.0004	.0016	.0011	.0012	
#3	.3561	.6822	1.895	.0356	.0002	3.634	.0002	.0016	-0.001	-0.004	
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062				
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)				
Avg	1.827	.0002	.0128	.0002	-0.009	.0004	.4214				
Stddev	.001	.0004	.0001	.0000	.0005	.0004	.0009				
%RSD	.0548	249.5	1.085	11.25	57.23	93.32	2.031				
#1	1.826	-0.001	.0129	.0002	-0.014	.0004	.4210				
#2	1.828	.0007	.0128	.0002	-0.009	.0007	.4208				
#3	1.828	.0000	.0126	.0002	-0.004	.0000	.4224				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710							
Avg	1767.3	4846.3	33468	5497.6							
Stddev	4.4	9.8	166	12.2							
%RSD	.25090	.20246	.49632	.22110							
#1	1765.1	4843.4	33278	5493.9							
#2	1772.4	4857.2	33540	5487.7							
#3	1764.4	4838.2	33586	5511.2							

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Sample Name: FA33014-1 Acquired: 4/12/2016 15:01:22 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0003	.7496	.0005	.0046	.0000	32.52	.0000	.0004	.0020	.0044
Stddev	.0007	.0038	.0005	.0002	.0001	.04	.000	.0002	.0005	.0004
%RSD	218.6	.5084	102.9	3.907	217.6	.1270	120.0	37.67	23.50	8.430
#1	.0002	.7540	.0010	.0044	.0000	32.54	.0000	.0005	.0021	.0046
#2	.0010	.7469	.0004	.0046	.0000	32.47	-0.001	.0002	.0024	.0040
#3	-0.003	.7480	.0000	.0048	.0001	32.54	.0000	.0006	.0015	.0046
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	1.131	1.601	1.334	.0174	.0001	.7059	.0005	-0.014	.0001	.0014
Stddev	.004	.014	.008	.0000	.0003	.0058	.0001	.0006	.0004	.0014
%RSD	.3506	.8721	.6284	.2772	318.5	.8181	22.26	42.31	299.6	99.99
#1	1.129	1.603	1.326	.0174	.0003	.7126	.0004	-0.021	.0002	.0000
#2	1.129</									

Sample Name: FA33014-2 Acquired: 4/12/2016 15:05:27 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.002	.0516	.0005	.0042	.0000	22.44	.0000	-.0001	.0005	.0003
Stddev	.0003	.0079	.0009	.0001	.0001	.04	.000	.0002	.0002	.0002
%RSD	180.5	15.31	172.0	2.135	534.0	.1879	147.2	322.2	48.28	81.13
#1	-.0004	.0475	.0014	.0043	.0000	22.46	-.0001	.0001	.0008	.0006
#2	-.0004	.0608	-.0004	.0042	.0001	22.47	-.0001	-.0001	.0005	.0001
#3	.0002	.0467	.0006	.0042	.0000	22.39	.0000	-.0002	.0003	.0002
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.5027	1.697	1.440	.0091	.0005	1.452	.0002	-.0018	.0007	-.0003
Stddev	.0021	.045	.015	.0001	.0001	.005	.0000	.0005	.0010	.0007
%RSD	.4170	2.632	1.046	.7842	15.75	.3419	19.59	25.65	132.4	221.7
#1	.5046	1.696	1.428	.0091	.0005	1.451	.0002	-.0016	.0000	-.0009
#2	.5005	1.653	1.457	.0092	.0005	1.457	.0001	-.0014	.0004	-.0005
#3	.5032	1.742	1.436	.0091	.0004	1.447	.0002	-.0023	.0018	.0005
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	.7187	.0001	.0381	.0018	-.0008	.0005	.0096			
Stddev	.0022	.0003	.0001	.0001	.0017	.0006	.0001			
%RSD	.3020	206.5	.3641	8.448	207.0	108.5	1.061			
#1	.7167	.0001	.0381	.0017	-.0025	.0005	.0095			
#2	.7184	.0005	.0383	.0019	-.0007	.0000	.0096			
#3	.7210	-.0001	.0380	.0017	-.0008	.0012	.0097			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1781.2	4898.7	3394.6	5520.9						
Stddev	3.2	4.3	253.	22.3						
%RSD	.17741	.08848	.74397	.40338						
#1	1777.6	4900.3	3374.2	5540.9						
#2	1783.2	4902.1	3386.7	5496.9						
#3	1782.9	4893.8	3422.8	5524.8						

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Sample Name: FA33005-1 Acquired: 4/12/2016 15:09:34 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0011	.0651	.0012	.0080	.0003	340.1	-.0002	.0591	.0000	.0000
Stddev	.0002	.0098	.0004	.0001	.0001	3.0	.0000	.0001	.0000	.0000
%RSD	20.01	15.02	36.81	1.861	24.07	.8759	24.17	.2360	.0000	.0000
#1	-.0009	.0572	.0017	.0081	.0004	337.1	-.0002	.0589	.0002	.0002
#2	-.0010	.0760	.0008	.0078	.0003	340.2	-.0002	.0591	.0000	-.0004
#3	-.0013	.0620	.0011	.0081	.0002	343.1	-.0001	.0592	.0001	.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Se1960
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)
Avg	-.0068	26.15	3.355	188.0	F6.568	-.0005	F433.7	.1546	.0046	.0007
Stddev	.0005	.12	.017	.9	.065	.0002	8.8	.0000	.0007	.0007
%RSD	6.744	.4476	.4917	.4601	.9949	31.72	2.031	.0276	15.12	15.12
#1	-.0063	26.18	3.374	188.1	6.493	-.0007	443.7	.1547	.0042	.0042
#2	-.0068	26.02	3.348	187.1	6.597	-.0004	430.3	.1546	.0042	.0042
#3	-.0072	26.24	3.344	188.8	6.613	-.0005	427.1	.1546	.0054	.0054
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062	
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	
Avg	-.0001	-.0001	12.46	-.0002	F8.264	-.0007	.0063	.0045	.0546	
Stddev	.0019	.0010	.02	.0002	.092	.0002	.0006	.0001	.0001	
%RSD	2018.	1322.	.1637	125.7	1.117	26.99	8.849	1.930	2695	
#1	-.0023	.0010	12.47	-.0003	8.287	-.0007	.0059	.0044	.0548	
#2	.0011	-.0007	12.44	-.0003	8.163	-.0009	.0060	.0046	.0545	
#3	.0010	-.0005	12.48	.0001	8.343	-.0005	.0069	.0045	.0545	
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1677.4	5224.9	3743.4	5954.2						
Stddev	1.5	9.8	107.	52.8						
%RSD	.09122	.18666	.28547	.88740						
#1	1675.9	5218.8	3748.9	5944.5						
#2	1677.2	5236.2	3731.1	6011.3						
#3	1679.0	5219.8	3750.3	5906.9						

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Sample Name: FA32928-4 Acquired: 4/12/2016 15:14:13 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0003	.5008	.0002	.0150	.0000	2.336	-.0001	.0001	.0010	.0040
Stddev	.0002	.0114	.0010	.0001	.0000	.010	.0001	.0001	.0003	.0009
%RSD	75.94	2.279	555.5	.6457	55.66	.4244	80.11	49.26	32.89	22.08
#1	-.0005	.5065	-.0006	.0151	.0001	2.342	-.0001	.0002	.0010	.0050
#2	-.0002	.5082	.0013	.0149	.0000	2.341	.0000	.0001	.0007	.0035
#3	-.0001	.4876	-.0002	.0150	.0000	2.324	-.0001	.0000	.0013	.0034
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	3.337	.4940	.7392	.0095	.0002	6.262	.0003	.0007	.0004	.0011
Stddev	.008	.0112	.0126	.0000	.0002	.005	.0001	.0006	.0004	.0009
%RSD	.2483	2.271	1.702	.2086	131.4	.0839	18.84	84.97	103.5	80.67
#1	3.327	.5029	.7536	.0095	-.0001	6.257	.0003	.0005	.0007	.0015
#2	3.341	.4977	.7336	.0095	.0004	6.268	.0003	.0002	.0000	.0019
#3	3.342	.4814	.7304	.0094	.0002	6.261	.0004	.0013	.0004	.0001
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	2.866	.0001	.0131	.0112	-.0016	.0017	.0135			
Stddev	.009	.0004	.0001	.0005	.0007	.0002	.0000			
%RSD	.3079	243.0	.5428	4.732	45.10	11.42	.2308			
#1	2.875	.0005	.0132	.0117	-.0024	.0016	.0135			
#2	2.866	-.0002	.0130	.0110	-.0010	.0015	.0135			
#3	2.857	.0002	.0131	.0107	-.0014	.0019	.0135			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1771.9	4861.8	3340.4	5525.1						
Stddev	3.4	5.4	201.	66.3						
%RSD	.19194	.11052	.60257	1.1992						
#1	1771.0	4863.0	3324.4	5501.6						
#2	1769.0	4855.9	3333.8	5473.7						
#3	1775.7	4866.4	3363.0	5599.9						

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Sample Name: FA32928-6 Acquired: 4/12/2016 15:18:18 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0010	2.842	.0088	.0542	.0002	3.368	-.0011	.0001	.0062	.0166
Stddev	.0006	.015	.0003	.0003	.0001	.018	.0000	.0001	.0002	.0004
%RSD	58.74	.5352	3.767	.4653	69.93	.5479	3.105	94.11	3.326	2.359
#1	.0003	2.834	.0085	.0544	.0003	3.388	-.0010	.0001	.0065	.0163
#2	.0012	2.859	.0091	.0539	.0000	3.352	-.0011	.0000	.0062	.0170
#3	.0014	2.832	.0086	.0542	.0002	3.364	-.0011	.0002	.0061	.0165

Sample Name: MP30232-MB1 Acquired: 4/12/2016 15:22:24 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.008	.0003	.0001	.0000	.0071	.0000	-0.001	-0.003	-0.004
Stddev	.0004	.0070	.0006	.0002	.000	.0014	.000	.0001	.0004	.0003
%RSD	630.2	895.6	241.0	174.2	290.4	19.35	465.4	131.7	130.0	88.30
#1	.0000	.0042	.0009	.0002	.0000	.0080	.0000	.0000	-0.001	-0.004
#2	.0003	.0022	-0.0003	-0.0001	-0.0001	.0055	.0000	.0000	-0.008	.0000
#3	-0.0005	-0.0087	.0001	.0002	.0001	.0077	.0000	-0.0002	-0.001	-0.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0295	.0170	-0.1115	.0001	.0000	.0460	.0000	-0.0007	.0002	.0001
Stddev	.0051	.0150	.0036	.0000	.0000	.0119	.000	.0006	.0007	.0006
%RSD	17.47	88.25	31.00	56.38	363.1	25.85	363.0	86.93	408.7	928.6
#1	.0346	.0032	-0.1555	.0000	.0000	.0495	.0001	-0.0012	.0000	-0.0005
#2	.0295	.0330	-0.1002	.0001	.0000	.0327	-0.0001	.0000	.0009	.0002
#3	.0243	.0149	-0.0087	.0001	.0001	.0557	-0.0001	-0.0008	-0.0004	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0110	.0001	.0000	-0.0001	-0.0009	.0002	.0000
Stddev	.0002	.0003	.000	.0002	.0007	.0003	.000
%RSD	1.673	290.6	385.7	259.4	83.91	179.6	75.34
#1	.0111	.0002	.0001	.0000	-0.0016	.0003	.0000
#2	.0112	-0.0002	.0000	.0000	-0.0007	.0003	.0000
#3	.0108	.0004	-0.0001	-0.0003	-0.0002	-0.0002	-0.0001

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30232-B1 Acquired: 4/12/2016 15:26:33 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0485	26.56	1.961	2.060	.0520	25.10	.0504	.4944	.2047	.2532
Stddev	.0003	.02	.002	.004	.0003	.08	.0001	.0002	.0003	.0005
%RSD	.6253	.0668	.1200	.1920	.6064	.3044	.2051	.0358	.1650	.2094
#1	.0482	26.58	1.958	2.065	.0520	25.17	.0504	.4946	.2050	.2530
#2	.0485	26.55	1.963	2.057	.0517	25.10	.0502	.4943	.2044	.2527
#3	.0488	26.55	1.962	2.059	.0524	25.02	.0504	.4944	.2047	.2537

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.05	25.46	24.80	52.36	480.3	25.20	503.3	4976	4915	1.944
Stddev	.04	.09	.10	.0015	.0004	.12	.0003	.0015	.0014	.003
%RSD	.1673	.3515	.4145	.2771	.0920	.4932	.0695	.3096	.2764	.1652
#1	26.10	25.57	24.91	52.22	4798	25.31	5031	4958	4925	1.941
#2	26.04	25.42	24.79	52.51	4806	25.21	5037	4987	4921	1.946
#3	26.01	25.40	24.71	52.35	4804	25.07	5032	4982	4900	1.946

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0135	.4969	.4954	.4926	1.973	.4870	.5082
Stddev	.0005	.0006	.0011	.0010	.007	.0005	.0005
%RSD	3.967	.1225	.2143	.2059	.3381	.0992	.1067
#1	.0129	.4962	.4965	.4915	1.967	.4876	.5076
#2	.0139	.4973	.4954	.4933	1.971	.4867	.5085
#3	.0137	.4972	.4943	.4931	1.980	.4868	.5086

Check ? None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30232-B1 Acquired: 4/12/2016 15:26:33 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1778.0	4813.0	33678.	5448.5
Stddev	9.3	13.5	296.	38.3
%RSD	.52413	.28127	.87933	.70360
#1	1788.3	4828.6	33998.	5405.2
#2	1775.7	4804.9	33415.	5462.2
#3	1770.1	4805.5	33620.	5478.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.05	25.46	24.80	52.36	480.3	25.20	503.3	4976	4915	1.944
Stddev	.04	.09	.10	.0015	.0004	.12	.0003	.0015	.0014	.003
%RSD	.1673	.3515	.4145	.2771	.0920	.4932	.0695	.3096	.2764	.1652
#1	26.10	25.57	24.91	52.22	4798	25.31	5031	4958	4925	1.941
#2	26.04	25.42	24.79	52.51	4806	25.21	5037	4987	4921	1.946
#3	26.01	25.40	24.71	52.35	4804	25.07	5032	4982	4900	1.946

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0135	.4969	.4954	.4926	1.973	.4870	.5082
Stddev	.0005	.0006	.0011	.0010	.007	.0005	.0005
%RSD	3.967	.1225	.2143	.2059	.3381	.0992	.1067
#1	.0129	.4962	.4965	.4915	1.967	.4876	.5076
#2	.0139	.4973	.4954	.4933	1.971	.4867	.5085
#3	.0137	.4972	.4943	.4931	1.980	.4868	.5086

Check ? None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/12/2016 15:30:29 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2479	40.23	2.004	2.027	2.037	40.14	2.019	2.004	2.023	2.000
Stddev	.0004	.11	.001	.005	.005	.06	.001	.002	.007	.009
%RSD	.1579	.2639	.0629	.2482	.2415	.1479	.0708	.0742	.3658	.4555
#1	2475	40.21	2.005	2.023	2.033	40.18	2.020	2.006	2.017	1.991
#2	2480	40.35	2.002	2.033	2.042	40.17	2.017	2.003	2.031	1.999
#3	2483	40.14	2.005	2.026	2.035	40.07	2.019	2.005	2.020	2.009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.56	41.18	40.18	2.036	1.993	40.46	2.003	1.991	1.993	2.006
Stddev	.07	.10	.11	.004	.003	.09	.002	.004	.001	.004
%RSD	.1696	.2384	.2757	.1794	.1332	.2297	.1148	.1888	.0304	.1726
#1	39.49	41.20	40.28	2.032	1.990	40.50	2.006	1.987	1.993	2.008
#2	39.63	41.26	40.21	2.039	1.993	40.52	2.001	1.994	1.993	2.008
#3	39.55	41.07	40.06	2.037	1.995	40.35	2.002	1.992	1.994	2.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.059	2.001	2.060	2.013	1.993	2.016	2.025
Stddev	.002	.004	.004	.006	.004	.005	.002
%RSD	.1167	.1957	.2157	.2819	.2112	.2660	.0966
#1	2.060	2.005	2.056	2.007	1.990	2.011	2.027
#2	2.061	1.998	2.065	2.014	1.998	2.021	2.023
#3	2.056	1.999	2.059	2.019	1.991	2.016	2.025

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 4/12/2016 15:30:29 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1737.2	4718.7	33738.	5442.6
Stddev	4.8	3.7	147.	54.4
%RSD	.27355	.07916	.43613	.99868
#1	1742.7	4720.2	33854.	5379.8
#2	1734.8	4721.5	33573.	5474.1
#3	1734.2	4714.5	33788.	5473.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.56	41.18	40.18	2.036	1.993	40.46	2.003	1.991	1.993	2.006
Stddev	.07	.10	.11	.004	.003	.09	.002	.004	.001	.004
%RSD	.1696	.2384	.2757	.1794	.1332	.2297	.1148	.1888	.0304	.1726
#1	39.49	41.20	40.28	2.032	1.990	40.50	2.006	1.987	1.993	2.008
#2	39.63	41.26	40.21	2.039	1.993	40.52	2.001	1.994	1.993	2.008
#3	39.55	41.07	40.06	2.037	1.995	40.35	2.002	1.992	1.994	2.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.059	2.001	2.060	2.013	1.993	2.016	2.025
Stddev	.002	.004	.004	.006	.004	.005	.002
%RSD	.1167	.1957	.2157	.2819	.2112	.2660	.0966
#1	2.060	2.005	2.056	2.007	1.990	2.011	2.027
#2	2.061	1.998	2.065	2.014	1.998	2.021	2.023
#3	2.056	1.999	2.059	2.019	1.991	2.016	2.025

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCB Acquired: 4/12/2016 15:34:24 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0074	.0009	.0004	.0001	-.0011	.0000	.0001	.0002
Stddev	.0001	.0072	.0005	.0001	.0000	.0018	.0000	.0001	.0002
%RSD	37.36	97.20	56.43	13.40	46.66	168.7	210.0	136.0	77.83
#1	.0006	.0158	.0004	.0003	.0001	-.0031	.0000	.0000	.0003
#2	.0004	.0032	.0014	.0004	.0001	-.0004	.0001	.0003	.0004
#3	.0003	.0034	.0008	.0004	.0000	.0003	.0000	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0275	.0369	-.0017	.0000	F.0022	.0270	.0001	-.0010
Stddev	.0002	.0090	.0179	.0246	.0001	.0005	.0021	.0002	.0007
%RSD	112.0	32.76	48.51	1465.	199.9	22.49	7.618	140.7	71.74
#1	-.0003	.0363	.0566	-.0187	.0001	.0027	.0247	.0002	-.0013
#2	.0000	.0280	.0216	.0265	.0000	.0020	.0273	-.0001	-.0015
#3	-.0003	.0183	.0325	-.0129	.0000	.0018	.0288	.0002	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0002	-.0005	.0007	.0001	.0012	.0004	.0002	.0000
Stddev	.0012	.0008	.0005	.0002	.0000	.0001	.0012	.0002	.000
%RSD	169.3	387.1	105.2	31.77	79.35	11.77	278.4	85.28	457.7
#1	.0004	.0011	-.0007	.0009	.0001	.0014	.0018	.0003	.0000
#2	.0020	-.0001	.0001	.0006	.0001	.0012	-.0002	.0003	.0000
#3	-.0003	-.0004	-.0009	.0005	.0000	.0011	-.0003	.0000	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/12/2016 15:34:24 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1759.3	4812.5	33054.	5429.8
Stddev	6.1	9.0	239.	4.3
%RSD	.34618	.18712	.72286	.07992
#1	1752.7	4803.9	33317.	5428.6
#2	1764.7	4821.9	32992.	5434.7
#3	1760.6	4811.6	32852.	5426.3

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0275	.0369	-.0017	.0000	F.0022	.0270	.0001	-.0010
Stddev	.0002	.0090	.0179	.0246	.0001	.0005	.0021	.0002	.0007
%RSD	112.0	32.76	48.51	1465.	199.9	22.49	7.618	140.7	71.74
#1	-.0003	.0363	.0566	-.0187	.0001	.0027	.0247	.0002	-.0013
#2	.0000	.0280	.0216	.0265	.0000	.0020	.0273	-.0001	-.0015
#3	-.0003	.0183	.0325	-.0129	.0000	.0018	.0288	.0002	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0002	-.0005	.0007	.0001	.0012	.0004	.0002	.0000
Stddev	.0012	.0008	.0005	.0002	.0000	.0001	.0012	.0002	.000
%RSD	169.3	387.1	105.2	31.77	79.35	11.77	278.4	85.28	457.7
#1	.0004	.0011	-.0007	.0009	.0001	.0014	.0018	.0003	.0000
#2	.0020	-.0001	.0001	.0006	.0001	.0012	-.0002	.0003	.0000
#3	-.0003	-.0004	-.0009	.0005	.0000	.0011	-.0003	.0000	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: FA32955-11 Acquired: 4/12/2016 15:38:33 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	
Avg	.0002	.2220	.0085	.0298	.0002	624.5	-0.008	.0006	.0019	-0.0094	
Stddev	.0015	.0617	.0019	.0005	.0001	1.9	.0001	.0004	.0009	.0013	
%RSD	736.3	27.82	22.89	1.837	57.01	.2988	11.19	70.89	48.64	14.14	
#1	-.0008	.2087	.0082	.0304	.0004	626.6	-.0007	.0011	.0013	-.0086	
#2	.0019	.2893	.0067	.0298	.0002	623.8	-.0008	.0003	.0015	-.0086	
#3	-.0005	.1680	.0106	.0293	.0001	623.1	-.0008	.0005	.0030	-.0109	
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	
IS Ref	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	
Avg	2.030	15.02	121.6	11.87	.0120	105.2	.0042	-.0030	-.0014	.0073	
Stddev	.006	.04	.4	.02	.0004	.2	.0001	.0015	.0049	.0029	
%RSD	.2745	.2409	.2927	.1695	3.506	.2135	3.075	48.07	348.3	39.28	
#1	2.029	14.99	122.0	11.87	.0124	105.3	.0042	-.0043	.0040	.0106	
#2	2.025	15.06	121.3	11.89	.0120	105.4	.0044	-.0034	-.0055	.0061	
#3	2.036	15.01	121.4	11.86	.0116	104.9	.0041	-.0014	-.0027	.0053	
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062				
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)				
Avg	6.485	-.0002	4.605	.0068	.0199	.0107	.0438				
Stddev	.012	.0006	.010	.0009	.0051	.0006	.0004				
%RSD	.1817	330.1	.2206	13.91	25.77	5.338	9806				
#1	6.473	-.0001	4.616	.0066	.0255	.0104	.0443				
#2	6.496	.0004	4.603	.0078	.0189	.0103	.0437				
#3	6.488	-.0008	4.597	.0060	.0154	.0114	.0435				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710							
Avg	1775.7	4805.4	33640.	5342.9							
Stddev	8.7	3.4	132.	31.7							
%RSD	.48820	.07014	.39149	.59413							
#1	1767.3	4807.0	33790.	5314.3							
#2	1784.6	4807.6	33546.	5337.3							
#3	1775.2	4801.5	33584.	5377.0							

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Sample Name: MP30232-D1 Acquired: 4/12/2016 15:42:40 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	
Avg	.0033	.2303	.0068	.0293	-.0002	607.9	-.0007	.0011	.0011	-.0060	
Stddev	.0027	.0249	.0011	.0004	.0001	1.5	.0002	.0004	.0034	.0018	
%RSD	82.47	10.81	15.99	1.494	76.03	.2508	31.34	37.57	299.6	30.24	
#1	.0056	.2080	.0080	.0288	-.0003	607.3	-.0004	.0009	.0039	-.0049	
#2	.0003	.2257	.0059	.0295	-.0002	606.7	-.0008	.0008	.0022	-.0050	
#3	.0039	.2571	.0066	.0295	.0000	609.6	-.0008	.0015	-.0027	-.0081	
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	
Avg	1.952	14.53	118.0	11.57	.0104	102.3	.0037	-.0010	-.0017	.0037	
Stddev	.007	.26	.2	.02	.0005	.2	.0003	.0007	.0007	.0067	
%RSD	.3861	1.789	.1869	.1706	4.791	.2391	8.268	73.41	39.19	179.5	
#1	1.949	14.30	118.2	11.59	.0106	102.1	.0040	-.0009	-.0022	.0108	
#2	1.960	14.47	117.8	11.57	.0107	102.1	.0037	-.0003	-.0010	-.0025	
#3	1.946	14.81	118.1	11.55	.0098	102.6	.0034	-.0018	-.0020	.0029	
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062				
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)				
Avg	6.329	-.0004	4.462	.0058	.0164	.0097	.0312				
Stddev	.004	.0001	.009	.0004	.0044	.0013	.0005				
%RSD	.0634	32.28	.2098	6.817	26.93	13.15	1.487				
#1	6.325	-.0005	4.452	.0058	.0214	.0111	.0317				
#2	6.329	-.0003	4.469	.0062	.0145	.0088	.0311				
#3	6.333	-.0003	4.466	.0054	.0132	.0090	.0308				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710							
Avg	1787.5	4837.5	33847.	5390.3							
Stddev	2.4	5.9	110.	37.8							
%RSD	.13640	.12099	.32452	.70196							
#1	1786.2	4843.5	33720.	5348.4							
#2	1790.3	4837.1	33904.	5422.0							
#3	1785.9	4831.9	33916.	5400.5							

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Sample Name: MP30232-SD1 Acquired: 4/12/2016 15:46:45 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	
Avg	.0058	.2512	.0067	.0334	.0001	613.1	-.0009	.0027	-.0057	-.0085	
Stddev	.0050	.0989	.0025	.0016	.0012	1.3	.0010	.0018	.0090	.0078	
%RSD	86.23	39.38	37.74	4.912	1408.	.2107	108.3	68.39	159.7	91.82	
#1	.0068	.1525	.0093	.0343	.0005	614.4	-.0010	.0046	-.0150	-.0128	
#2	.0004	.2509	.0064	.0343	-.0013	611.8	.0001	.0010	.0031	.0005	
#3	.0102	.3503	.0043	.0315	.0011	613.0	-.0019	.0023	-.0051	-.0131	
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	
Avg	1.952	14.25	121.1	11.91	.0055	103.7	.0075	-.0473	-.0143	.0289	
Stddev	.038	.60	.5	.02	.0021	.4	.0026	.0154	.0198	.0081	
%RSD	1.965	4.219	.4392	.1986	37.89	4101	35.19	32.49	138.3	28.14	
#1	1.985	14.04	120.6	11.89	.0057	104.2	.0044	-.0646	-.0315	.0269	
#2	1.910	13.78	121.7	11.89	.0074	103.4	.0091	-.0424	-.0187	.0220	
#3	1.961	14.92	121.0	11.93	.0033	103.5	.0088	-.0350	.0073	.0379	
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062				
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)				
Avg	6.290	-.0001	4.490	.0218	.0463	.0115	.1653				
Stddev	.019	.0049	.008	.0022	.0190	.0037	.0019				
%RSD	.3091	3413.	.1696	10.19	41.11	31.90	1.153				
#1	6.275	.0012	4.496	.0222	.0653	.0148	.1639				
#2	6.284	-.0056	4.482	.0194	.0465	.0076	.1646				
#3	6.312	.0039	4.493	.0238	.0272	.0122	.1675				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710							
Avg	1790.0	4868.1	33647.	5488.3							
Stddev	3.6	6.9	139.	19.2							
%RSD	.20302	.14095	.41237	.35067							
#1	1790.2	4869.3	33763.	5475.0							
#2	1793.6	4874.3	33686.	5479.6							
#3	1786.3	4860.7	33494.	5510.4							

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Sample Name: MP30232-PS1 Acquired: 4/12/2016 15:50:51 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0471	2.859	.1128	.3061	.0536	593.9	.0521	.0525	.0542	.1016
Stddev	.0022	.037	.0020	.0011	.0006	.4	.0005	.0008	.0009	.0018
%RSD	4.570	1.284	1.787	.3596	1.187	.0622	.8909	1.464	1.666	1.817
#1	.0477	2.892	.1110	.3072	.0529	594.2	.0519	.0534	.0545	.1014
#2	.0489	2.864	.1150	.3062	.0542	594.0	.0518	.0521	.0549	.0999
#3	.0447	2.819	.1124	.3050	.0536	593.5	.0526	.0521	.0532	.1036
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	5.184	27.00	120.0	11.28	.1171	114.7	.1064	.0513	.1070	.1039
Stddev	.019	.16	.4	.03	.0005	.2	.0005	.0030	.0056	.0036
%RSD	.3690	.5960	.3166	.2510	4.144	.1687	4.626	5.949	5.231	3.4

Sample Name: MP30232-S1 Acquired: 4/12/2016 15:54:56 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Avg	.0534	29.28	2.114	2.256	.0563	677.3	.0530	5.267	2.148	2.685
Stddev	.0025	.03	.002	.003	.0003	1.3	.0002	.0012	.0015	.0012
%RSD	4.599	.0865	.0831	.1186	.5286	.1892	.4147	.2207	.7175	.4464

#1	.0563	29.26	2.113	2.254	.0560	676.4	.0528	5.280	2.152	2.673
#2	.0522	29.31	2.114	2.259	.0566	678.8	.0532	5.265	2.131	2.685
#3	.0518	29.28	2.116	2.256	.0562	676.9	.0530	5.257	2.162	2.697

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	30.99	44.06	153.7	12.98	52.15	137.0	5347	5342	5348	2.118
Stddev	.20	.06	.3	.05	.0011	.3	.0005	.0006	.0052	.012
%RSD	.6575	.1458	.2025	.3965	.2062	.2496	.0939	.1070	.9734	.5496

#1	30.77	44.00	153.9	13.04	52.24	136.7	5345	5336	5361	2.130
#2	31.04	44.13	153.9	12.94	52.18	137.3	5352	5341	5393	2.107
#3	31.17	44.04	153.4	12.96	52.03	136.9	5343	5347	5291	2.116

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	6.831	5.206	5.401	5.329	2.135	5.299	5.825
Stddev	.005	.0002	.019	.0009	.010	.0023	.0007
%RSD	.0803	.0458	.3550	.1611	.4578	.4424	.1237

#1	6.827	5.203	5.381	5.339	2.124	5.319	5.822
#2	6.837	5.207	5.402	5.328	2.142	5.273	5.820
#3	6.829	5.207	5.420	5.322	2.139	5.303	5.833

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1762.6	4807.8	33597.	5358.7
Stddev	4.6	6.8	228.	28.4
%RSD	.26199	.14227	.67959	.52970

#1	1767.9	4814.9	33345.	5340.5
#2	1759.1	4807.0	33791.	5344.2
#3	1761.0	4801.3	33654.	5391.4

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Sample Name: MP30232-S2 Acquired: 4/12/2016 15:58:54 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Avg	.0505	29.15	2.115	2.240	.0553	671.6	.0524	5.237	2.173	2.655
Stddev	.0012	.13	.005	.007	.0001	1.5	.0001	.0008	.0006	.0025
%RSD	2.440	.4453	.2300	.3321	.1130	.2290	.1611	.1440	.2964	.9415

#1	.0492	29.23	2.119	2.249	.0553	673.0	.0524	5.231	2.180	2.683
#2	.0517	29.21	2.109	2.236	.0554	670.0	.0523	5.246	2.169	2.636
#3	.0506	29.00	2.116	2.236	.0553	671.9	.0525	5.236	2.170	2.647

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	30.67	43.81	152.6	12.90	51.94	135.9	5321	5309	5262	2.097
Stddev	.15	.17	.4	.03	.0005	.3	.0020	.0029	.0040	.001
%RSD	.4763	.3902	.2510	.2248	.0989	.2364	.3702	.5536	.7556	.0674

#1	30.75	43.93	152.7	12.88	51.96	136.2	5328	5340	5302	2.095
#2	30.51	43.88	152.2	12.93	51.89	135.6	5299	5281	5222	2.097
#3	30.77	43.61	153.0	12.89	51.98	135.7	5337	5307	5261	2.098

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	6.782	5.194	5.351	5.313	2.132	5.261	5.948
Stddev	.016	.0009	.024	.0012	.006	.0034	.0007
%RSD	.2321	.1669	.4469	.2209	.2909	.6430	.1190

#1	6.791	5.192	5.377	5.314	2.125	5.299	5.950
#2	6.764	5.186	5.329	5.324	2.137	5.249	5.940
#3	6.792	5.203	5.348	5.301	2.133	5.235	5.953

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1757.2	4799.0	33383.	5330.2
Stddev	3.0	7.7	161.	39.3
%RSD	.17198	.16141	.48355	.73673

#1	1755.0	4791.2	33455.	5329.3
#2	1756.0	4799.2	33198.	5370.0
#3	1760.7	4806.7	33495.	5291.4

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Sample Name: FA32955-1 Acquired: 4/12/2016 16:02:53 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0030	.0587	.1062	.1999	-.0002	416.9	-.0007	.0525	.0445
Stddev	.0012	.0608	.0045	.0015	.0001	.8	.0003	.0001	.0017
%RSD	39.52	103.5	4.235	.7363	55.20	.1937	46.40	.2802	3.711

#1	.0020	.1043	.1040	.1982	-.0001	416.0	-.0005	.0524	.0427
#2	.0042	-.0103	.1032	.2010	-.0003	417.3	-.0005	.0525	.0459
#3	.0026	.0820	.1113	.2005	-.0003	417.5	-.0011	.0527	.0449

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0042	2.655	F739.7	139.7	4.405	.1304	F2547.	.4022	-.0003
Stddev	.0003	.005	4.4	.4	.006	.0003	.98	.0001	.0032
%RSD	6.393	.2090	.5984	.2516	.1380	.2387	3.859	.0189	1280.

#1	-.0041	2.649	738.9	139.4	4.411	.1306	2637.	.4021	-.0001
#2	-.0039	2.659	744.5	140.1	4.399	.1300	2562.	.4021	.0029
#3	-.0045	2.658	735.8	139.7	4.404	.1305	2442.	.4022	-.0035

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0030	.0203	14.32	.0019	6.948	.0156	.0259	.0987	.0524
Stddev	.0072	.0108	.02	.0009	.020	.0009	.0042	.0026	.0001
%RSD	238.7	53.23	.1234	46.74	.2889	5.694	16.13	2.632	2.270

#1	-.0032	.0325	14.33	.0030	6.925	.0161	.0238	.0977	.0523
#2	.0109	.0123	14.31	.0013	6.963	.0162	.0233	.1017	.0525
#3	.0014	.0159	14.34	.0015	6.956	.0146	.0308	.0968	.0524

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1686.3	4714.0	33476.	5379.2
Stddev	1.6	5.9	69.	30.7
%RSD	.09719	.12438	.20512	.57105

#1	1686.5	4720.7	33421.	5348.0
#2	1687.9	4711.6	33553.	5380.1
#3	1684.6	4709.7	33455.	5409.4

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Sample Name: FA32955-2 Acquired: 4/12/2016 16:07:05 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0032	.0160	.0704	.0198	.0001	751.0	-.0007	.0003	-.0005
Stddev	.0003	.0731	.0022	.0010	.0003	8.9	.0002	.0006	.0002
%RSD	9.997	456.3	3.154	4.814	280.1	1.183	31.57	206.8	38.20

#1	-.0033	.0149	.0679	.0201	.0004	741.2	-.0007	-.0003	-.0003
#2	-.0029	-.0565	.0711	.0205	.0001	758.4	-.0010	.0003	-.0007
#3	-.0035	.0897	.0722	.0187	-.0001	753.4	-.0005	.0010	-.0004

Sample Name: FA32955-3 Acquired: 4/12/2016 16:11:25 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.028	0.371	0.051	0.183	0.002	707.1	-0.008	0.013	0.002
Stddev	0.008	0.067	0.010	0.007	0.006	1.1	0.003	0.007	0.007
%RSD	27.11	182.2	20.23	4.041	245.7	0.1510	33.38	55.98	353.7
#1	-0.034	0.365	0.063	0.186	-0.002	707.7	-0.011	0.021	0.003
#2	-0.020	0.1051	0.049	0.188	0.009	707.7	-0.009	0.012	-0.006
#3	-0.031	-0.302	0.042	0.175	0.001	705.8	-0.005	0.006	0.009
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.135	8.209	23.76	230.9	3.289	0.149	758.9	0.124	-0.019
Stddev	0.011	0.133	0.13	2	0.005	0.009	11.9	0.004	0.062
%RSD	7.916	1.624	0.5373	0.659	0.1592	6.213	1.570	3.217	324.0
#1	-0.123	8.303	23.84	231.0	3.292	0.138	772.4	0.128	-0.027
#2	-0.141	8.056	23.62	231.0	3.292	0.153	750.0	0.120	0.046
#3	-0.142	8.267	23.83	230.7	3.283	0.156	754.3	0.125	-0.077
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.041	0.107	3.059	0.003	13.51	0.040	0.161	0.032	0.570
Stddev	0.048	0.049	0.03	0.006	0.05	0.007	0.051	0.004	0.003
%RSD	118.7	45.43	0.849	235.0	4.009	17.28	31.74	13.48	5.347
#1	0.027	0.104	3.056	0.008	13.52	0.047	0.151	0.029	0.569
#2	0.001	0.158	3.059	0.004	13.46	0.035	0.217	0.030	0.567
#3	0.094	0.061	3.061	-0.004	13.57	0.037	0.116	0.037	0.573
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1745.0	4768.2	3375.1	5320.0					
Stddev	3.8	9.5	149	25.6					
%RSD	0.21759	0.19930	4.4054	0.48066					
#1	1749.2	4778.3	3368.6	5312.1					
#2	1744.1	4766.9	3364.5	5348.6					
#3	1741.8	4759.4	3392.1	5299.4					

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Sample Name: FA32955-4 Acquired: 4/12/2016 16:15:48 Type: Unk
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.024	-0.195	0.015	0.172	0.002	681.4	-0.008	0.002	-0.013
Stddev	0.004	0.042	0.029	0.006	0.005	1.0	0.002	0.012	0.012
%RSD	15.71	226.7	194.6	3.419	287.9	0.1512	26.93	487.5	91.85
#1	-0.026	0.062	-0.006	0.168	0.005	680.3	-0.010	0.010	-0.011
#2	-0.027	0.058	0.047	0.169	-0.004	682.3	-0.008	0.005	-0.025
#3	-0.020	-0.706	0.003	0.179	0.003	681.5	-0.005	0.012	-0.002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.164	9.399	21.92	325.1	4.798	0.125	758.9	0.059	-0.024
Stddev	0.023	0.140	0.14	3	0.007	0.001	14.5	0.010	0.030
%RSD	13.88	1.487	0.6269	0.892	0.1426	0.4986	1.747	17.44	125.9
#1	-0.166	9.459	21.98	325.0	4.798	0.124	833.3	0.055	-0.028
#2	-0.140	9.240	21.76	325.5	4.805	0.125	816.0	0.051	0.008
#3	-0.185	9.500	22.02	324.9	4.791	0.125	844.9	0.071	-0.052
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.032	0.081	3.020	0.000	14.61	0.041	0.091	0.017	0.849
Stddev	0.031	0.049	0.07	0.002	0.27	0.007	0.048	0.008	0.001
%RSD	96.14	60.56	2.317	79.66	1.820	17.86	53.46	44.58	0.1176
#1	0.063	0.137	3.018	0.003	14.90	0.049	0.035	0.027	0.850
#2	0.002	0.059	3.028	-0.002	14.56	0.038	0.111	0.013	0.848
#3	0.030	0.047	3.014	0.000	14.37	0.036	0.125	0.013	0.849
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1746.8	4781.6	3352.8	5260.7					
Stddev	1.7	7.8	154	41.2					
%RSD	0.09648	0.16407	4.5982	0.78314					
#1	1744.9	4774.9	3360.5	5238.1					
#2	1747.7	4779.6	3335.1	5308.2					
#3	1747.9	4790.2	3362.9	5235.6					

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9.2
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Sample Name: CCV Acquired: 4/12/2016 16:20:11 Type: QC
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.497	39.88	1.997	2.031	2.032	40.17	2.020	2.005	2.015	2.013
Stddev	0.004	0.02	0.002	0.001	0.002	0.06	0.002	0.002	0.002	0.003
%RSD	0.1726	0.0564	0.1010	0.0256	0.0972	0.1370	0.0879	0.1174	0.0798	0.1622
#1	2.496	39.86	1.997	2.030	2.030	40.21	2.021	2.006	2.017	2.010
#2	2.502	39.88	1.995	2.031	2.034	40.20	2.018	2.002	2.014	2.016
#3	2.493	39.90	1.999	2.030	2.033	40.11	2.021	2.006	2.015	2.011
Check ?	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass
Value										
Range										
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.74	41.10	40.32	2.057	1.996	39.74	1.998	2.007	1.995	2.004
Stddev	0.07	0.01	0.08	0.003	0.002	0.07	0.001	0.007	0.002	0.006
%RSD	0.1860	0.0217	0.1887	0.1208	0.1172	0.1657	0.0597	0.3725	0.0729	0.2915
#1	39.65	41.10	40.40	2.056	1.994	39.77	2.000	2.015	1.994	2.010
#2	39.77	41.11	40.26	2.054	1.996	39.78	1.997	2.001	1.994	1.998
#3	39.79	41.10	40.29	2.059	1.999	39.66	1.998	2.004	1.996	2.004
Check ?	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass
Value										
Range										
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm			
Avg	2.062	1.989	2.088	2.041	2.011	2.021	2.022			
Stddev	0.001	0.002	0.002	0.003	0.005	0.001	0.003			
%RSD	0.0309	0.1036	0.0899	0.1276	0.2535	0.0676	0.1499			
#1	2.063	1.991	2.089	2.040	2.017	2.021	2.025			
#2	2.062	1.987	2.086	2.038	2.011	2.022	2.019			
#3	2.063	1.988	2.089	2.043	2.006	2.019	2.023			
Check ?	None	Chk	Pass	Chk	Pass	Chk	Pass			
Value										
Range										

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Sample Name: CCV Acquired: 4/12/2016 16:20:11 Type: QC
Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1728.9	4728.6	3343.4	5421.9
Stddev	5.8	7.7	114	23.3
%RSD	0.33297	0.16326	0.34153	0.42996
#1	1722.3	4722.1	3341.8	5397.2
#2	1732.4	4737.1	3355.5	5443.6
#3	1732.1	4726.5	3332.9	5424.8

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Sample Name: CCB Acquired: 4/12/2016 16:24:07 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0071	.0004	.0004	.0003	.0051	.0001	.0000	-.0003
Stddev	.0006	.0175	.0005	.0001	.0001	.0016	.0001	.0001	.0001
%RSD	672.1	247.6	129.1	14.87	25.35	31.58	57.42	217.5	38.04
#1	-.0003	.0024	.0007	.0005	.0003	.0066	.0001	.0000	-.0002
#2	-.0007	.0264	-.0002	.0005	.0002	.0051	.0001	.0001	-.0004
#3	-.0002	-.0076	.0005	.0004	.0002	.0034	.0000	.0000	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	.0296	.0221	-.0120	.0002	F.0022	.0610	.0001	-.0005
Stddev	.0005	.0071	.0139	.0220	.0001	.0007	.0092	.0002	.0011
%RSD	185.4	23.91	63.08	182.5	48.83	33.34	15.11	170.7	210.2
#1	.0000	.0375	.0064	-.0275	.0002	.0031	.0504	.0000	.0002
#2	.0000	.0273	.0329	.0131	.0002	.0020	.0669	.0004	-.0018
#3	-.0008	.0239	.0270	-.0218	.0001	.0016	.0658	.0000	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-.0010			

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0018	.0010	.0005	.0002	.0017	-.0002	.0006	.0000
Stddev	.0007	.0008	.0000	.0000	.0000	.0002	.0004	.0005	.0000
%RSD	168.0	42.05	4.406	5.730	1.046	12.98	186.9	84.71	31.26
#1	.0010	.0014	.0010	.0005	.0002	.0019	.0002	.0011	.0001
#2	-.0004	.0027	.0011	.0005	.0002	.0018	-.0004	.0003	.0000
#3	.0007	.0013	.0010	.0005	.0002	.0014	-.0005	.0002	.0000
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Sample Name: FA32955-5 Acquired: 4/12/2016 16:28:17 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0138	4.896	F32.03	-.1633	.0001	11.68	.0005	.2293	3.807
Stddev	.0011	.0187	.00	.0014	.0003	.01	.0002	.0006	.003
%RSD	8.303	3.829	.0112	.8641	487.7	.0722	47.61	.2677	.0762
#1	.0151	4.728	32.03	.1629	.0001	11.69	.0004	.2292	3.807
#2	.0130	5.098	32.03	.1621	-.0003	11.68	.0003	.2287	3.803
#3	.0132	4.862	32.02	.1649	.0004	11.67	.0007	.2299	3.809

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1077	16.04	F1402	24.78	.2427	.0558	F2777	1.126	.1384
Stddev	.0015	.05	.9	.16	.0002	.0012	.69	.002	.0026
%RSD	1.426	.3394	.6607	.6358	.0746	2.208	2.497	.1678	1.909
#1	.1095	16.07	1407.	24.95	.2429	.0561	2847.	1.125	.1377
#2	.1066	16.07	1407.	24.77	.2428	.0568	2775.	1.128	.1413
#3	.1070	15.98	1391.	24.63	.2425	.0544	2708.	1.125	.1361

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0046	.0317	6.344	.0122	.3858	2.116	.0096	.3799	.0751
Stddev	.0073	.0078	.006	.0001	.0003	.005	.0055	.0019	.0005
%RSD	160.1	24.47	.0952	.7591	.0658	.2462	57.37	.5114	.6930
#1	-.0020	.0290	6.337	.0122	.3859	2.122	.0149	.3803	.0757
#2	-.0011	.0257	6.348	.0121	.3855	2.113	.0039	.3778	.0750
#3	-.0128	.0405	6.348	.0123	.3859	2.114	.0101	.3817	.0747

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1568.0	4433.4	31699	5052.7
Stddev	2.4	2.0	90.	38.3
%RSD	.15174	.04621	.28334	.75802
#1	1568.5	4435.6	31595.	5056.4
#2	1565.3	4431.5	31745.	5012.6
#3	1570.0	4433.1	31756.	5088.9

Sample Name: CCB Acquired: 4/12/2016 16:24:07 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1747.7	4790.4	32876.	5390.5
Stddev	3.1	11.2	68.	28.6
%RSD	.17707	.23471	.20639	.53085
#1	1748.7	4784.1	32798.	5357.5
#2	1744.3	4783.6	32916.	5408.1
#3	1750.2	4803.4	32915.	5405.8

Sample Name: FA32955-6 Acquired: 4/12/2016 16:32:29 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0023	-.0185	.0076	.0155	.0000	593.6	-.0005	-.0001	-.0008
Stddev	.0018	.0488	.0029	.0003	.0004	2.3	.0003	.0003	.0015
%RSD	80.06	264.3	38.73	2.068	1883.	.3809	47.60	425.3	177.6
#1	-.0038	-.0532	.0073	.0154	-.0004	596.0	-.0008	-.0004	-.0003
#2	-.0028	-.0395	.0048	.0152	.0004	593.4	-.0005	-.0001	.0025
#3	-.0002	.0373	.0107	.0159	.0001	591.5	-.0003	.0002	.0002

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0230	5.479	17.86	392.4	.3220	.0137	F712.2	.0021	-.0020
Stddev	.0025	.0094	.14	1.1	.0018	.0006	4.9	.0002	.0043
%RSD	10.71	1.712	.7734	.2688	.5583	4.267	.6899	8.709	216.0
#1	-.0222	.5526	17.89	393.6	.3232	.0133	706.6	.0020	-.0064
#2	-.0212	.5371	17.98	391.8	.3200	.0144	715.2	.0023	.0023
#3	-.0258	.5539	17.71	391.9	.3229	.0136	714.9	.0021	-.0019

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0021	.0069	2.914	.0008	12.38	.0045	.0188	.0033	.1502
Stddev	.0035	.0051	.007	.0007	.06	.0010	.0044	.0015	.0004
%RSD	164.4	74.16	.2575	81.78	.4730	21.55	23.62	44.03	.2727
#1	-.0059	.0010	2.906	.0011	12.44	.0040	.0163	.0047	.1499
#2	-.0014	.0102	2.916	.0013	12.34	.0057	.0239	.0035	.1499
#3	.0009	.0095	2.920	.0001	12.35	.0039	.0161	.0018	.1506

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1787.2	4882.8	34269.	5316.4
Stddev	3.6	3.2	207.	22.3
%RSD	.19964	.06487	.60437	.41863
#1	1790.2	4882.6	34136.	5291.7
#2	1788.2	4886.1	34507.	5334.9
#3	1783.2	4879.7	34163.	5322.5

Sample Name: FA32955-7 Acquired: 4/12/2016 16:36:44 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.028	0.378	0.324	0.191	0.005	602.3	-0.005	0.005	0.001
Stddev	0.010	0.0851	0.004	0.008	0.002	.7	0.001	0.004	0.028
%RSD	34.94	225.1	1.132	4.304	35.00	.1143	21.39	74.98	2002.
#1	-0.039	-0.057	0.320	0.198	0.007	602.8	-0.005	0.001	0.012
#2	-0.027	0.1083	0.327	0.182	0.005	602.6	-0.003	0.008	0.022
#3	-0.019	0.0618	0.325	0.192	0.003	601.5	-0.005	0.005	-0.030
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	-0.292	4.673	21.37	510.6	7.456	0.134	F1062.	0.043	-0.075
Stddev	0.013	0.085	0.05	1.2	0.012	0.006	1.	0.013	0.046
%RSD	4.487	1.821	0.2517	0.2321	0.1623	4.442	0.1318	30.27	61.40
#1	-0.287	4.748	21.42	511.5	7.450	0.130	1063.	0.033	-0.022
#2	-0.307	4.691	21.31	509.3	7.448	0.141	1063.	0.057	-0.108
#3	-0.282	4.581	21.37	511.1	7.470	0.131	1061.	0.038	-0.093
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.001	0.041	3.920	0.003	13.08	0.057	0.165	0.032	0.244
Stddev	0.012	0.041	0.02	0.009	0.00	0.002	0.041	0.013	0.005
%RSD	793.2	98.64	0.577	313.5	0.0204	3.328	24.67	40.35	1.936
#1	0.014	0.074	3.917	0.007	13.08	0.057	0.118	0.019	0.248
#2	-0.010	0.054	3.921	-0.008	13.07	0.058	0.188	0.044	0.246
#3	0.000	-0.004	3.921	0.009	13.07	0.054	0.189	0.032	0.239
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1731.2	4757.5	33392.	5230.2					
Stddev	.9	1.2	104.	28.7					
%RSD	0.5209	0.2584	0.31236	0.54885					
#1	1730.9	4756.1	33481.	5197.3					
#2	1730.6	4758.3	33417.	5249.6					
#3	1732.3	4758.0	33277.	5243.9					

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Sample Name: FA32955-8 Acquired: 4/12/2016 16:40:58 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.046	0.1759	0.184	0.205	0.000	624.4	-0.008	0.0021	-0.002
Stddev	0.009	0.0854	0.010	0.012	0.002	.5	0.001	0.006	0.019
%RSD	19.02	48.57	5.254	5.822	1415.	0.807	9.139	28.52	1148.
#1	-0.049	0.2651	0.173	0.191	0.000	624.9	-0.009	0.027	-0.023
#2	-0.053	0.1679	0.189	0.211	0.002	624.5	-0.008	0.019	0.014
#3	-0.036	0.0948	0.189	0.213	-0.002	623.9	-0.008	0.016	0.004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	-0.275	1.383	19.61	528.2	2.138	0.111	F1353.	0.038	-0.052
Stddev	0.007	0.018	0.15	1.2	0.004	0.007	40.	0.001	0.011
%RSD	2.568	1.322	0.7799	0.2314	0.1629	5.946	2.942	0.1590	20.36
#1	-0.276	1.362	19.47	528.6	2.136	0.107	1388.	0.038	-0.063
#2	-0.268	1.388	19.58	529.2	2.142	0.119	1361.	0.039	-0.050
#3	-0.282	1.398	19.77	526.8	2.135	0.107	1310.	0.039	-0.042
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.036	0.083	4.232	-0.008	11.61	0.047	0.203	0.027	0.663
Stddev	0.052	0.033	0.11	0.004	0.1	0.003	0.074	0.003	0.003
%RSD	144.2	39.63	0.2574	53.77	0.0533	6.606	36.54	13.00	0.492
#1	-0.057	0.062	4.244	-0.004	11.61	0.045	0.281	0.030	0.662
#2	0.023	0.121	4.227	-0.012	11.60	0.050	0.196	0.026	0.666
#3	-0.075	0.066	4.224	-0.008	11.60	0.045	0.133	0.024	0.660
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1729.1	4772.0	33435.	5195.8					
Stddev	1.6	8.1	233.	41.1					
%RSD	0.9490	0.17018	0.69694	0.79057					
#1	1730.9	4766.6	33566.	5187.2					
#2	1729.0	4768.0	33166.	5159.7					
#3	1727.6	4781.3	33573.	5240.5					

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Sample Name: FA32955-9 Acquired: 4/12/2016 16:45:13 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.033	0.200	0.082	0.263	-0.001	621.0	-0.007	0.026	0.004
Stddev	0.033	0.154	0.027	0.014	0.002	1.9	0.002	0.013	0.008
%RSD	100.1	76.70	32.15	5.156	157.3	0.3123	25.04	50.06	195.1
#1	-0.048	0.239	0.113	0.278	-0.001	621.3	-0.008	0.019	-0.004
#2	-0.056	0.331	0.067	0.256	0.001	622.8	-0.007	0.040	0.011
#3	0.005	0.031	0.067	0.254	-0.003	619.0	-0.005	0.017	0.005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.206	7.073	27.82	310.3	2.231	0.565	F1905.	1.498	0.043
Stddev	0.014	0.166	0.07	1.6	0.04	0.014	26.	0.009	0.013
%RSD	6.867	2.352	0.2553	0.1780	0.1922	2.481	1.372	0.5781	29.77
#1	-0.222	7.261	27.81	310.1	2.229	0.551	1913.	1.506	0.029
#2	-0.195	6.946	27.89	310.9	2.227	0.566	1925.	1.489	0.048
#3	-0.200	7.011	27.75	309.9	2.236	0.579	1875.	1.499	0.053
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.034	0.064	4.072	0.010	10.70	0.044	0.212	0.024	0.552
Stddev	0.041	0.040	0.19	0.002	0.2	0.008	0.030	0.012	0.002
%RSD	120.8	62.20	0.4684	20.50	0.1940	19.10	14.10	50.68	2937
#1	-0.006	0.028	4.089	0.012	10.71	0.051	0.218	0.038	0.551
#2	0.076	0.058	4.052	0.010	10.72	0.035	0.179	0.014	0.552
#3	0.032	0.106	4.076	0.008	10.68	0.045	0.238	0.020	0.554
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1718.3	4779.2	33167.	5142.4					
Stddev	1.5	6.4	21.	41.0					
%RSD	0.8869	0.13368	0.6478	0.79776					
#1	1717.0	4772.5	33142.	5178.1					
#2	1719.9	4785.2	33180.	5097.6					
#3	1717.9	4780.0	33178.	5151.5					

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Sample Name: FA32955-10 Acquired: 4/12/2016 16:49:28 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.039	0.138	0.190	0.175	0.001	661.8	-0.009	0.008	0.011
Stddev	0.023	0.044	0.038	0.008	0.002	1.2	0.001	0.004	0.013
%RSD	59.18	466.5	19.77	4.571	158.5	0.1869	13.41	51.73	116.2
#1	-0.014	-0.037	0.150	0.181	-0.001	663.1	-0.008	0.004	-0.003
#2	-0.044	0.086	0.224	0.179	0.002	660.6	-0.009	0.008	0.022
#3	-0.059	-0.095	0.196	0.166	0.003	661.6	-0.010	0.012	0.014
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_								

Sample Name: FA32955-12 Acquired: 4/12/2016 16:53:43 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0053	.2009	.4382	.0918	.0000	43.66	-.0004	.0665	.1062
Stddev	.0034	.0200	.0017	.0004	.0004	.12	.0002	.0004	.0006
%RSD	64.50	9.946	.3974	.4871	1049.	.2661	38.06	.6750	.6029
#1	.0018	.1813	.4386	.0913	.0002	43.77	-.0006	.0661	.1066
#2	.0055	.2212	.4397	.0921	-.0004	43.54	-.0003	.0664	.1055
#3	.0085	.2001	.4363	.0921	.0004	43.66	-.0003	.0670	.1066
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0030	1.353	F2361	42.56	2.795	1.658	F2560	.3213	-.0083
Stddev	.0027	.018	.28	.02	.005	.005	.67	.0017	.0031
%RSD	90.24	1.324	1.185	.0387	.1783	.2919	2.614	.5441	37.97
#1	.0053	1.333	2393.	42.57	2.794	1.652	2628.	.3207	-.0116
#2	.0035	1.355	2353.	42.58	2.800	1.661	2557.	.3200	-.0054
#3	.0001	1.369	2338.	42.54	2.790	1.661	2495.	.3233	-.0078
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0134	.0720	15.24	.0028	1.562	.1152	.0152	.4665	.0430
Stddev	.0030	.0013	.08	.0004	.002	.0002	.0022	.0015	.0002
%RSD	22.11	1.855	.5147	13.86	.1447	.1762	14.68	.3269	.3736
#1	.0118	.0715	15.16	.0030	1.561	.1152	.0126	.4681	.0429
#2	.0116	.0735	15.26	.0031	1.561	.1150	.0161	.4664	.0428
#3	.0168	.0710	15.31	.0024	1.565	.1154	.0168	.4650	.0431
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1550.4	4522.4	31599.	5114.4					
Stddev	2.3	6.4	124.	7.1					
%RSD	.15023	.14076	.39211	.13950					
#1	1548.1	4528.0	31555.	5115.4					
#2	1552.7	4523.6	31503.	5106.8					
#3	1550.5	4515.5	31739.	5121.0					

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Sample Name: FA32955-13 Acquired: 4/12/2016 16:58:04 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0029	.2309	1.655	.0300	-.0002	19.24	-.0007	.0742	.1432
Stddev	.0034	.0237	.007	.0002	.0004	.10	.0001	.0004	.0016
%RSD	116.9	10.25	.4354	.6725	210.6	.5310	13.45	.5589	1.123
#1	.0002	.2546	1.655	.0301	-.0006	19.35	-.0008	.0737	.1445
#2	.0018	.2309	1.662	.0298	.0001	19.15	-.0006	.0744	.1438
#3	.0068	.2073	1.648	.0301	-.0001	19.21	-.0007	.0744	.1414
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0078	2.362	F2747.	2.081	.4010	6.250	F2445.	1.251	-.0031
Stddev	.0010	.010	.16	.055	.0005	.011	.8	.002	.0046
%RSD	13.40	.4085	.5825	2.663	.1347	.1769	.3245	.1245	145.5
#1	.0068	2.373	2729.	2.116	.4004	6.237	2447.	1.250	-.0071
#2	.0089	2.355	2755.	2.110	.4012	6.255	2437.	1.252	.0019
#3	.0077	2.358	2757.	2.017	.4015	6.257	2453.	1.253	-.0042
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.9193	.5457	19.60	.0400	1.739	.0392	.0180	.2416	.0330
Stddev	.0038	.0056	.07	.0013	.012	.0007	.0012	.0005	.0003
%RSD	.4157	1.026	.3771	3.145	.6852	1.699	6.739	.1915	1.025
#1	.9224	.5522	19.52	.0385	1.752	.0392	.0190	.2420	.0331
#2	.9150	.5428	19.61	.0404	1.737	.0398	.0167	.2417	.0326
#3	.9204	.5422	19.67	.0409	1.729	.0385	.0185	.2411	.0332
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1476.8	4358.1	30570.	4984.9					
Stddev	4.3	6.6	38.	24.8					
%RSD	.29444	.15239	.12457	.49665					
#1	1477.8	4365.2	30612.	5012.2					
#2	1472.1	4352.0	30538.	4963.8					
#3	1480.6	4357.2	30560.	4978.9					

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Sample Name: FA32955-14 Acquired: 4/12/2016 17:02:25 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0039	.4570	.7022	.0496	-.0006	14.72	-.0010	.1389	-.1972
Stddev	.0011	.0561	.0028	.0006	.0004	.01	.0001	.0005	.0019
%RSD	27.85	12.29	.3965	1.109	62.83	.0613	13.66	.3864	.9777
#1	.0052	.5077	.7054	.0499	-.0010	14.73	-.0009	.1384	-.1980
#2	.0032	.3966	.7007	.0490	-.0004	14.72	-.0012	.1390	-.1950
#3	.0034	.4666	.7005	.0500	-.0004	14.71	-.0010	.1395	-.1985
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0116	3.047	F2988.	.3090	.3182	13.16	F2569.	1.265	-.0104
Stddev	.0016	.011	.23	.0522	.0005	.01	.46	.000	.0038
%RSD	13.80	.3442	.7761	16.88	.1688	.0673	1.784	.0333	36.07
#1	.0100	3.044	2980.	.3336	.3187	13.16	2606.	1.265	-.0120
#2	.0117	3.038	3014.	.2491	.3183	13.15	2584.	1.265	-.0131
#3	.0132	3.059	2969.	.3443	.3177	13.17	2518.	1.265	-.0061
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0811	1.003	22.51	.0258	2.394	.0126	.0074	.4696	.0390
Stddev	.0032	.000	.05	.0020	.002	.0005	.0047	.0022	.0003
%RSD	3.934	.0422	.2120	7.897	.0996	4.032	63.56	.4776	.7633
#1	.0832	1.003	22.46	.0239	2.391	.0124	.0030	.4701	.0388
#2	.0774	1.003	22.50	.0255	2.393	.0123	.0069	.4715	.0394
#3	.0827	1.002	22.56	.0280	2.396	.0123	.0123	.4671	.0389
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1330.7	4059.4	28905.	4871.0					
Stddev	2.1	.6	68.	8.8					
%RSD	.16120	.01414	.23639	.18114					
#1	1328.4	4058.8	28826.	4867.5					
#2	1331.0	4059.5	28939.	4881.0					
#3	1332.6	4060.0	28949.	4864.4					

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Sample Name: FA32955-15 Acquired: 4/12/2016 17:06:49 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0022	1.105	.3457	.0922	-.0007	538.0	-.0019	.0951	.0313
Stddev	.0019	.031	.0038	.0006	.0007	2.0	.0002	.0009	.0017
%RSD	87.96	2.826	1.113	.6908	95.65	.3771	10.57	.9363	5.537
#1	.0044	1.095	.3414	.0915	-.0016	539.6	-.0021	.0944	.0313
#2	.0008	1.080	.3470	.0926	-.0003	538.8	-.0019	.0961	.0330
#3	.0014	1.140	.3487	.0925	-.0003	535.7	-.0017	.0948	.0295
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0142	1.276	F2916.	.1319	.0059	F22.76	F2510.	.9399	-.0078
Stddev	.0018	.014	.66	.1678	.0004	.04	.6	.0010	.0011
%RSD	12.35	1.066	2.255	127.2	6.552	.1748	.2258	.1088	14.55
#1	.0128	1.271	2992.	-.0616	.0060	22.74	2510.	.9387	-.0090
#2	.0162	1.292	2878.	.2192	.0055	22.75	2504.	.9404	-.0068
#3	.0136	1.266	2878.	.2380	.0063	22.81	2516.	.9406	-.0074
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)					

Sample Name: CCV Acquired: 4/12/2016 17:11:12 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2525	40.18	1.989	2.049	2.077	40.10	2.037	2.018	2.018
Stddev	.0007	.05	.005	.004	.006	.03	.001	.001	.001
%RSD	.2754	.1252	.2432	.1981	.2799	.0807	.0447	.0628	.0453
#1	.2520	40.22	1.984	2.053	2.083	40.06	2.036	2.017	2.019
#2	.2523	40.12	1.989	2.045	2.072	40.13	2.038	2.019	2.017
#3	.2533	40.20	1.993	2.050	2.074	40.11	2.037	2.019	2.018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.050	40.15	39.77	40.41	2.081	2.010	F33.04	1.993	2.038
Stddev	.004	.06	.07	.11	.005	.003	.06	.003	.002
%RSD	.2060	.1547	.1880	.2807	.2588	.1579	.1934	.1286	.0813
#1	2.052	40.16	39.84	40.28	2.079	2.006	33.03	1.991	2.037
#2	2.052	40.09	39.69	40.45	2.077	2.011	32.99	1.992	2.039
#3	2.045	40.21	39.76	40.49	2.087	2.013	33.11	1.996	2.037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							40.00		
Range							-10.00%		

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.997	1.995	2.173	1.962	2.137	2.080	2.040	2.036	2.038
Stddev	.005	.004	.009	.004	.001	.006	.002	.003	.001
%RSD	.2711	.1997	.4252	.2034	.0666	.2699	.0950	.1402	.0689
#1	1.996	1.991	2.183	1.959	2.138	2.076	2.043	2.038	2.038
#2	1.992	1.994	2.171	1.961	2.135	2.077	2.039	2.038	2.039
#3	2.003	1.999	2.165	1.967	2.137	2.086	2.039	2.033	2.036
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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Sample Name: CCV Acquired: 4/12/2016 17:11:12 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1706.6	4707.9	32873.	5268.1
Stddev	3.0	7.1	198.	9.4
%RSD	.17717	.15048	.60330	.17917
#1	1705.6	4708.2	32931.	5265.4
#2	1704.2	4700.8	33036.	5278.6
#3	1710.0	4714.9	32652.	5260.3

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Sample Name: CCB Acquired: 4/12/2016 17:15:07 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-0.0046	.0013	.0002	.0001	.0007	.0000	.0000	-0.0003
Stddev	.0002	.0173	.0001	.0000	.0000	.0041	.0000	.0002	.0001
%RSD	123.0	376.7	11.18	15.57	12.76	617.8	34.68	924.5	18.56
#1	.0003	.0011	.0011	.0003	.0001	.0016	.0000	.0001	-0.0003
#2	.0002	-.0240	.0014	.0002	.0001	-.0038	.0000	-.0002	-0.0003
#3	-.0001	.0091	.0013	.0002	.0001	.0041	.0001	.0002	-0.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	.0227	.3244	-.0065	.0001	F.0037	4.866	.0001	-0.0006
Stddev	.0005	.0042	.0169	.0225	.0000	.0007	.0068	.0001	.0005
%RSD	103.0	18.31	5.223	348.4	30.58	17.87	1.393	234.5	81.95
#1	.0000	.0270	.3414	-.0325	.0001	.0044	4.933	.0002	-0.0011
#2	-.0011	.0223	.3244	.0058	.0002	.0036	4.869	-.0001	-0.0001
#3	-.0004	.0187	.3075	.0073	.0002	.0031	4.797	.0001	-0.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-.0010			

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	.0013	.0244	.0010	.0001	.0013	.0006	.0002	.0000
Stddev	.0009	.0006	.0015	.0002	.0001	.0002	.0006	.0006	.000
%RSD	72.74	42.63	6.288	17.85	43.71	15.16	97.32	377.3	156.2
#1	.0013	.0007	.0259	.0011	.0002	.0015	.0005	-0.0004	.0000
#2	.0003	.0018	.0244	.0008	.0001	.0014	.0013	.0000	.0000
#3	.0020	.0015	.0228	.0010	.0001	.0011	.0001	.0009	.0000
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 4/12/2016 17:15:07 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1742.5	4880.5	32548.	5414.4
Stddev	3.3	10.2	117.	34.0
%RSD	.19035	.20855	.35822	.62730
#1	1744.3	4886.7	32420.	5376.2
#2	1738.7	4885.9	32574.	5441.2
#3	1744.6	4868.7	32648.	5425.8

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Sample Name: FA32955-16 Acquired: 4/12/2016 17:19:17 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0094	.9166	.7504	.0553	.0000	25.13	-.0012	.0516	.7007
Stddev	.0020	.0748	.0038	.0006	.000	.03	.0000	.0008	.0068
%RSD	20.99	8.160	.5121	1.004	1381.	.1215	2.713	1.539	.9674
#1	.0099	.8350	.7514	.0559	-.0003	25.12	-.0012	.0521	.7005
#2	.0111	.9331	.7462	.0548	.0001	25.11	-.0013	.0507	.6941
#3	.0073	.9818	.7537	.0550	.0001	25.16	-.0012	.0520	.7077
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0021	3.010	F2486.	.4635	4.029	16.06	F2726.	.8380	-.0123
Stddev	.0010	.035	.26	.0939	.014	.02	.23	.0036	.0040
%RSD	50.39	1.157	1.042	20.27	.3409	.1122	.8618	.4239	32.15
#1	.0029	3.046	2465.	.5270	4.038	16.06	2726.	.8421	-.0168
#2	.0024	2.976	2478.	.5079	4.013	16.04	2702.	.8360	-.0109
#3	.0009	3.009	2515.	.3556	4.034	16.07	2749.	.8358	-.0093
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0827	.1383	9.071	.0093	1.466	.0766	.0100	.9970	.0281
Stddev	.0031	.0016	.035	.0024	.004	.0017	.0042	.0038	.0004
%RSD	3.719	1.146	.3855	25.77	.2900	2.193	41.68	.3854	1.278
#1	.0794	.1386	9.044	.0088	1.465	.0784	.0101	.9976	.0278
#2	.0854	.1366	9.058	.0073	1.463	.0762	.0142	.9929	.0279
#3	.0832	.1397	9.110	.0120	1.471	.0751	.0058	1.001	.0285
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1357.4	4192.6	29835.	4944.4					
Stddev	2.2	3.6	75.	45.2					
%RSD	.15884	.08664	.25295	.91464					
#1	1358.7	4188.7	29826.	4964.7					
#2	1358.5	4195.8	29915.	4975.9					
#3	1354.9	4193.2	29765.	4892.5					

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Sample Name: FA32955-17 Acquired: 4/12/2016 17:23:38 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0046	.5026	.2779	.5135	-.0002	217.2	-.0013	.0386	.2406
Stddev	.0006	.0130	.0035	.0008	.0003	.5	.0004	.0006	.0009
%RSD	12.72	2.590	1.269	.1540	215.7	.2239	34.80	1.656	.3701
#1	.0051	.4882	.2816	.5138	.0001	217.8	-.0017	.0387	.2401
#2	.0040	.5136	.2745	.5141	.0000	217.0	-.0013	.0380	.2401
#3	.0046	.5059	.2777	.5126	-.0006	216.9	-.0008	.0392	.2416
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0024	2.540	F2632.	3.079	.5816	14.56	F2391.	1.529	-.0049
Stddev	.0027	.009	.55	.059	.0016	.02	.37	.003	.0024
%RSD	110.9	.3638	2.107	1.925	.2760	.1199	1.543	.2173	49.11
#1	.0002	2.551	2654.	3.132	.5834	14.55	2361.	1.532	-.0058
#2	-.0024	2.537	2674.	3.015	.5812	14.55	2432.	1.526	-.0022
#3	-.0051	2.533	2569.	3.090	.5803	14.58	2379.	1.529	-.0067
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0717	.2591	16.91	.0134	13.06	.0983	.0097	.3920	.0263
Stddev	.0030	.0091	.03	.0007	.01	.0011	.0030	.0027	.0002
%RSD	4.206	3.526	.1787	5.552	.1080	1.135	30.85	.6970	.7648
#1	.0684	.2490	16.89	.0126	13.07	.0979	.0112	.3932	.0260
#2	.0723	.2668	16.89	.0138	13.07	.0974	.0063	.3939	.0263
#3	.0743	.2614	16.94	.0139	13.04	.0996	.0117	.3889	.0264
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1473.6	4468.2	31248.	4994.5					
Stddev	2.4	2.3	156.	37.9					
%RSD	.16381	.05197	.49890	.75901					
#1	1474.5	4465.5	31088.	4999.1					
#2	1470.9	4469.5	31257.	4954.5					
#3	1475.4	4469.5	31399.	5029.9					

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Sample Name: FA32955-18 Acquired: 4/12/2016 17:28:01 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0059	.4692	.3079	.1865	-.0004	49.84	-.0015	.0773	.5261
Stddev	.0019	.0594	.0008	.0014	.0005	.28	.0001	.0019	.0020
%RSD	32.57	12.66	.2686	.7506	120.5	.5597	10.28	2.394	.3715
#1	.0043	.4609	.3082	.1865	-.0002	49.52	-.0016	.0764	.5280
#2	.0081	.5322	.3085	.1879	-.0009	49.96	-.0014	.0794	.5261
#3	.0054	.4143	.3069	.1851	-.0001	50.03	-.0013	.0761	.5241
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0001	3.903	F2952.	2.964	1.113	16.58	F2558.	1.500	-.0096
Stddev	.0016	.018	.23	.048	.002	.02	.17	.001	.0004
%RSD	2232.	4.704	.7907	1.628	.1842	.1003	.6576	.0567	4.442
#1	-.0003	3.883	2959.	3.017	1.115	16.56	2556.	1.499	-.0100
#2	-.0019	3.905	2972.	2.923	1.112	16.59	2576.	1.500	-.0097
#3	.0013	3.920	2926.	2.951	1.111	16.58	2542.	1.501	-.0091
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0757	.9209	22.83	.0213	3.890	.2106	.0075	.6522	.0423
Stddev	.0043	.0075	.07	.0011	.014	.0006	.0009	.0002	.0003
%RSD	5.665	.8111	.2926	5.083	.3466	.2661	12.13	.0316	.6687
#1	.0806	.9124	22.76	.0212	3.877	.2113	.0081	.6524	.0426
#2	.0726	.9244	22.84	.0225	3.904	.2104	.0080	.6523	.0421
#3	.0739	.9260	22.89	.0203	3.890	.2103	.0065	.6520	.0422
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1393.7	4293.4	30369.	4925.4					
Stddev	2.4	4.9	174.	55.6					
%RSD	.17427	.11495	.57333	1.1280					
#1	1396.4	4298.9	30195.	4982.5					
#2	1392.6	4292.2	30543.	4922.3					
#3	1391.9	4289.2	30368.	4871.5					

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Sample Name: FA32955-19 Acquired: 4/12/2016 17:32:22 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0036	.0671	.1583	3.362	-.0001	223.3	-.0008	.0216	-.1146
Stddev	.0005	.0147	.0029	.007	.0002	.3	.0001	.0006	.0019
%RSD	15.35	21.89	1.823	.2064	129.7	.1407	13.69	2.756	1.616
#1	.0037	.0552	.1587	3.365	.0000	223.0	-.0008	.0220	-.1127
#2	.0040	.0836	.1609	3.367	-.0003	223.7	-.0007	.0219	-.1146
#3	.0029	.0626	.1552	3.354	-.0001	223.2	-.0010	.0209	-.1164
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0030	1.384	F1412.	67.09	3.075	2.082	F2173.	.3794	-.0005
Stddev	.0010	.018	.5	.14	.007	.003	.33	.0015	.0053
%RSD	32.65	1.266	.3857	.2146	.2354	.1594	1.527	.3971	114.9
#1	-.0019	1.392	1418.	66.95	3.069	2.096	2194.	.3793	-.0035
#2	-.0035	1.396	1411.	67.24	3.073	2.089	2190.	.3780	-.0065
#3	-.0036	1.364	1407.	67.09	3.083	2.092	2134.	.3810	-.0017
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_224						

Sample Name: FA32955-20 Acquired: 4/12/2016 17:36:35 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0024	.0566	.2052	.6253	.0000	41.65	-.0005	.0289	.0913
Stddev	.0013	.0184	.0020	.0022	.0004	.21	.0001	.0001	.0023
%RSD	52.61	32.53	.9682	.3560	1423.	.5079	31.10	.2193	2.544
#1	.0026	.0727	.2041	.6257	-.0002	41.88	-.0004	.0289	.0913
#2	.0036	.0605	.2040	.6273	.0004	41.47	-.0004	.0289	.0890
#3	.0011	.0365	.2075	.6229	-.0001	41.60	-.0006	.0288	.0937
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0043	1.066	F1598.	52.33	1.587	1.366	F2164.	.2890	.0000
Stddev	.0006	.006	.26	.42	.004	.001	.49	.0009	.002
%RSD	14.23	.5995	1.630	.8030	.2229	.1027	2.278	.2995	5367.
#1	-.0040	1.073	1628.	52.64	1.590	1.365	2202.	.2900	-.0004
#2	-.0040	1.061	1586.	51.86	1.583	1.366	2181.	.2885	-.0022
#3	-.0050	1.062	1580.	52.51	1.588	1.368	2108.	.2884	.0024
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0115	.0425	12.68	.0052	2.150	.0733	.0152	.2820	.0412
Stddev	.0031	.0016	.02	.0023	.007	.0003	.0028	.0023	.0001
%RSD	26.70	3.770	.1605	42.99	.3349	.4517	18.19	.7989	.2874
#1	.0109	.0441	12.67	.0038	2.158	.0735	.0123	.2843	.0412
#2	.0088	.0425	12.67	.0078	2.147	.0734	.0178	.2798	.0410
#3	.0149	.0409	12.71	.0041	2.144	.0729	.0155	.2820	.0413
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1651.0	4728.7	32973.	5219.3					
Stddev	2.7	1.2	89.	88.3					
%RSD	.16057	.02489	.26925	1.6923					
#1	1649.3	4728.0	32951.	5144.2					
#2	1649.6	4728.0	33070.	5316.6					
#3	1654.0	4730.0	32897.	5197.0					

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Sample Name: MP30234-MB1 Acquired: 4/12/2016 17:40:47 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0010	F.1112	-.0030	.0015	-.0002	.0137	-.0001	.0001	.0001	.001
Stddev	.0018	.0348	.0024	.0003	.0004	.0067	.0002	.0001	.0001	.001
%RSD	184.7	31.27	81.15	21.76	221.3	48.76	168.8	3290.		
#1	-.0019	.1451	-.0046	.0017	-.0002	.0213	.0001	-.0002	-.0002	-.0002
#2	.0011	.1131	-.0002	.0017	.0002	.0089	-.0002	.0006	.0006	.001
#3	-.0022	.0756	-.0041	.0011	-.0006	.0109	-.0002	-.0004	-.0004	-.0004
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.1000								
Low Limit		-.1000								
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895		
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm		
Avg	-.0007	-.0004	.0468	F3.700	-.0160	.0011	.0054	F4.875		
Stddev	.0008	.0009	.0095	.273	.0514	.0003	.0011	.144		
%RSD	129.4	242.9	20.23	7.367	321.5	28.94	20.50	2.950		
#1	.0001	.0006	.0472	3.798	-.0646	.0014	.0065	5.031		
#2	-.0016	-.0006	.0371	3.909	.0378	.0008	.0043	4.846		
#3	-.0005	-.0011	.0561	3.392	-.0212	.0010	.0052	4.748		
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail		
High Limit				2.500				2.500		
Low Limit				-2.500				-2.500		
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm		
Avg	-.0009	F-.0037	.0011	-.0006	.0977	F.0458	-.0001	.0019		
Stddev	.0004	.0029	.0008	.0054	.0077	.0013	.0005	.0002		
%RSD	47.15	78.06	71.64	896.1	7.888	2.751	533.5	9.636		
#1	-.0004	-.0040	.0016	-.0046	.1037	.0457	-.0003	.0019		
#2	-.0011	-.0007	.0002	-.0028	.1004	.0471	.0005	.0017		
#3	-.0012	-.0065	.0014	.0056	.0890	.0446	-.0004	.0020		
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass		
High Limit		.0025				.0250				
Low Limit		-.0025				-.0250				

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Sample Name: MP30234-MB1 Acquired: 4/12/2016 17:40:47 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	-.0037	.0007	F.0370
Stddev	.0038	.0005	.0002
%RSD	103.5	71.41	.6516
#1	-.0073	.0003	.0368
#2	.0003	.0005	.0369
#3	-.0041	.0013	.0372
Check ?	Chk Pass	Chk Pass	Chk Fail
High Limit			.0100
Low Limit			-.0100
Int. Std.	In2306	Y_2243	Y_3600
Units	Cts/S	Cts/S	Cts/S
Avg	1722.7	4811.5	32325.
Stddev	2.9	6.4	146.
%RSD	.16944	.13256	.45246
#1	1720.4	4818.4	32270.
#2	1721.8	4805.8	32215.
#3	1726.0	4810.3	32491.

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Sample Name: MP30234-B1 Acquired: 4/12/2016 17:44:56 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0477	27.08	1.908	2.062	.0515	25.27	.0502	.4916	.2015	.2462
Stddev	.0031	.19	.006	.009	.0006	.11	.0002	.0007	.0015	.0005
%RSD	6.402	.7162	.2988	.4542	1.097	4.399	.4392	1.504	.7270	.2091
#1	.0495	27.13	1.908	2.068	.0516	25.25	.0500	.4922	.2017	.2467
#2	.0495	26.86	1.902	2.052	.0509	25.17	.0504	.4907	.1999	.2459
#3	.0442	27.24	1.913	2.068	.0520	25.39	.0501	.4918	.2028	.2459
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range										
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.73	27.56	25.27	.5362	.4770	25.12	.4952	.5040	.4693	1.899
Stddev	.08	.09	.17	.0011	.0012	.15	.0008	.0049	.0104	.005
%RSD	.3081	.3131	.6883	.1964	.2521	.5795	.1530	.9734	2.212	.2401
#1	26.81	27.66	25.41	.5366	.4756	25.12	.4960	.5094	.4603	1.901
#2	26.64	27.50	25.07	.5349	.4775	24.98	.4946	.4998	.4668	1.902
#3	26.74	27.53	25.32	.5369	.4778	25.27	.4949	.5028	.4806	1.893
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range										
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm			
Avg	.0654	.5248	.5069	.5053	1.965	.4871	.5508			
Stddev	.0026	.0002	.0037	.0007	.003	.0020	.0004			
%RSD	3.991	.0340	.7280	.1441	.1646	.4157	.0736			
#1	.0649	.5248	.5110	.5061	1.963	.4895	.5512			
#2	.0682	.5246	.5038	.5052	1.964	.4858	.5504			
#3	.0631	.5250	.5058	.5047	1.969	.4861	.5507			
Check ?	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass			
Value Range										

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Sample Name: MP30234-B1 Acquired: 4/12/2016 17:44:56 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1754.3	4858.1	3275.8	5247.4
Stddev	3.3	15.8	217.	33.0
%RSD	.18595	.32446	.66335	.62944
#1	1751.3	4844.3	32616.	5209.9
#2	1757.8	4875.3	33008.	5272.1
#3	1753.7	4854.7	32650.	5260.3

Sample Name: FA31884-1A Acquired: 4/12/2016 17:48:55 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0085	467.9	.1124	2.030	.0147	63.41	.0000	.0780	.6086	.3049
Stddev	.0007	.2	.0053	.003	.0003	.17	.0002	.0008	.0013	.0006
%RSD	8.732	.0358	4.678	.1224	2.160	.2610	518.9	.9888	.2138	.2077
#1	.0082	468.1	.1185	2.031	.0144	63.24	-.0001	.0775	.6076	.3052
#2	.0093	467.9	.1091	2.027	.0149	63.44	.0003	.0776	.6101	.3042
#3	.0079	467.8	.1097	2.031	.0149	63.57	.0000	.0789	.6081	.3054
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	311.3	29.31	58.61	4.531	.0145	5.222	4.803	8.322	.0058	.0046
Stddev	.4	.11	.04	.007	.0012	.044	.0019	.005	.0024	.0058
%RSD	.1185	.3709	.0694	.1518	7.957	.8505	.3894	.0550	41.19	126.8
#1	311.7	29.44	58.66	4.538	.0152	5.237	.4824	8.327	.0073	.0108
#2	311.0	29.27	58.60	4.527	.0151	5.258	.4789	8.318	.0072	.0036
#3	311.1	29.23	58.58	4.526	.0131	5.172	.4795	8.322	.0031	-.0007
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	3.788	.0478	.8050	11.46	-.0078	.5915	.6297			
Stddev	.005	.0014	.0025	.01	.0031	.0003	.0007			
%RSD	.1363	3.032	.3098	.1059	.3929	.0542	.1119			
#1	3.791	.0485	.8066	11.47	-.0043	.5914	.6295			
#2	3.790	.0487	.8062	11.44	-.0102	.5913	.6290			
#3	3.782	.0461	.8021	11.46	-.0089	.5919	.6304			
Int. Std. Avg	In2306 1797.2	Y_2243 5024.6	Y_3600 33853.	Y_3710 5482.7						
Stddev	2.6	2.4	151.	19.5						
%RSD	.14629	.04841	.44749	.35510						
#1	1796.1	5025.6	33737.	5471.2						
#2	1795.4	5021.8	33798.	5471.7						
#3	1800.2	5026.3	34024.	5505.2						

Sample Name: MP30234-D1 Acquired: 4/12/2016 17:52:57 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0091	419.8	.1006	1.815	.0138	56.52	.0001	.0699	.5405	.2733
Stddev	.0012	.5	.0021	.001	.0002	.14	.0003	.0006	.0017	.0001
%RSD	13.19	.1250	2.082	.0468	1.639	.2399	210.6	.8724	.3147	.0207
#1	.0093	419.9	.1022	1.816	.0138	56.64	.0004	.0695	.5424	.2734
#2	.0078	420.2	.1015	1.815	.0136	56.55	-.0001	.0697	.5391	.2733
#3	.0101	419.2	.0983	1.814	.0140	56.37	.0001	.0706	.5402	.2733
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	280.5	26.47	52.91	4.018	.0119	4.278	.4293	7.413	.0023	-.0009
Stddev	.5	.05	.26	.003	.0008	.058	.0019	.009	.0011	.0050
%RSD	.1908	.2005	.4922	.0807	6.891	1.357	.4324	.1159	49.52	530.5
#1	281.0	26.53	53.21	4.020	.0110	4.294	.4312	7.416	.0017	.0040
#2	280.4	26.45	52.80	4.019	.0120	4.213	.4275	7.419	.0035	-.0059
#3	280.0	26.43	52.73	4.014	.0126	4.326	.4292	7.403	.0016	-.0009
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	3.156	.0441	.7094	10.03	-.0073	.5293	.5712			
Stddev	.004	.0006	.0019	.02	.0061	.0010	.0004			
%RSD	.1105	1.297	.2735	.1612	84.06	.1980	.0728			
#1	3.157	.0445	.7115	10.04	-.0025	.5296	.5708			
#2	3.152	.0435	.7090	10.05	-.0051	.5303	.5717			
#3	3.158	.0444	.7076	10.02	-.0142	.5282	.5712			
Int. Std. Avg	In2306 1802.3	Y_2243 5013.2	Y_3600 34019.	Y_3710 5453.1						
Stddev	3.7	7.2	98.	39.4						
%RSD	.20324	.14267	.28750	.72338						
#1	1801.9	5020.7	34058.	5438.8						
#2	1798.9	5006.5	34092.	5422.8						
#3	1806.2	5012.3	33908.	5497.7						

Sample Name: MP30234-D2 Acquired: 4/12/2016 17:57:00 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0083	451.2	.1054	1.914	.0143	59.60	.0005	.0754	.5834	.2884
Stddev	.0021	1.6	.0008	.006	.0005	.32	.0005	.0006	.0022	.0023
%RSD	25.71	.3595	.7749	.3240	3.524	.5391	88.58	.7660	.3702	.7951
#1	.0081	450.4	.1045	1.915	.0147	59.71	.0007	.0757	.5810	.2879
#2	.0106	453.1	.1057	1.920	.0144	59.84	.0000	.0758	.5846	.2909
#3	.0063	450.2	.1060	1.908	.0137	59.23	.0008	.0748	.5848	.2864
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	295.1	27.77	55.75	4.272	.0121	4.270	.4600	7.747	-.0002	.0032
Stddev	1.0	.21	.41	.009	.0003	.030	.0008	.018	.0061	.0024
%RSD	.3280	.7615	.7352	.2051	2.450	.7031	.1791	.2327	3475.	74.59
#1	295.2	27.78	55.79	4.264	.0123	4.236	.4608	7.760	.0011	.0008
#2	296.0	27.98	56.15	4.281	.0123	4.280	.4591	7.727	.0052	.0032
#3	294.0	27.56	55.33	4.270	.0118	4.293	.4600	7.755	-.0068	.0055
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	3.698	.0492	.7517	11.08	-.0029	.5627	.6174			
Stddev	.009	.0011	.0020	.02	.0039	.0035	.0010			
%RSD	.2333	2.248	.2710	.1627	137.1	.6180	.1569			
#1	3.704	.0505	.7534	11.08	.0009	.5630	.6176			
#2	3.701	.0488	.7522	11.10	-.0025	.5660	.6164			
#3	3.688	.0484	.7495	11.07	-.0070	.5591	.6183			
Int. Std. Avg	In2306 1788.2	Y_2243 4971.3	Y_3600 33611.	Y_3710 5428.4						
Stddev	7.6	13.1	81.	67.3						
%RSD	.42287	.26396	.24230	1.2391						
#1	1789.4	4975.1	33683.	5404.9						
#2	1795.2	4982.1	33523.	5376.1						
#3	1780.2	4956.7	33625.	5504.3						

Sample Name: CCV Acquired: 4/12/2016 18:01:03 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2502	40.58	1.981	2.050	2.060	39.68	2.026	2.005	2.025	2.026
Stddev	.0008	.09	.003	.003	.004	.09	.002	.001	.007	.003
%RSD	.3302	.2236	.1315	.1225	.2181	.2291	.0744	.0516	.3260	.1444
#1	.2493	40.50	1.978	2.047	2.055	39.61	2.025	2.005	2.025	2.023
#2	.2509	40.68	1.982	2.052	2.063	39.66	2.028	2.006	2.032	2.028
#3	.2504	40.56	1.983	2.051	2.063	39.78	2.026	2.004	2.018	2.028

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.34	41.94	39.92	2.066	1.997	39.50	1.991	2.030	1.986	1.994
Stddev	.11	.01	.16	.006	.005	.05	.001	.004	.000	.003
%RSD	.2723	.0319	.3924	.2782	.2535	.1341	.0619	.1773	.0117	.1354
#1	39.27	41.94	39.87	2.065	1.992	39.44	1.989	2.028	1.986	1.991
#2	39.29	41.95	39.80	2.072	1.997	39.51	1.992	2.027	1.986	1.993
#3	39.47	41.92	40.10	2.061	2.002	39.54	1.991	2.034	1.986	1.997

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.052	1.971	2.110	2.057	2.022	2.036	2.041
Stddev	.004	.002	.002	.004	.005	.005	.002
%RSD	.1855	.1141	.1138	.2107	.2378	.2689	.0911
#1	2.049	1.969	2.109	2.054	2.016	2.034	2.041
#2	2.052	1.973	2.108	2.062	2.026	2.042	2.043
#3	2.056	1.970	2.113	2.055	2.023	2.031	2.039

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: CCV Acquired: 4/12/2016 18:01:03 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1714.8	4719.6	33075.	5204.1
Stddev	5.4	10.7	212.	52.7
%RSD	.31769	.22672	.64200	1.0128
#1	1720.8	4731.9	33063.	5180.5
#2	1713.4	4712.4	32870.	5264.4
#3	1710.2	4714.6	33294.	5167.2

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Sample Name: CCB Acquired: 4/12/2016 18:04:59 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0092	.0001	.0003	.0001	.0133	.0000	.0001
Stddev	.0001	.0105	.0004	.0000	.0000	.0024	.0000	.0001
%RSD	63.09	113.3	401.2	12.36	37.52	17.74	107.6	119.2
#1	.0000	.0006	-.0003	.0003	.0001	.0139	.0001	.0001
#2	-.0002	.0209	.0004	.0003	.0001	.0107	.0001	.0000
#3	-.0001	.0063	.0002	.0003	.0001	.0152	.0000	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	-.0004	.0359	.1167	.0136	.0002	F.0024	.1430
Stddev	.0005	.0001	.0083	.0101	.0076	.0000	.0005	.0158
%RSD	401.0	28.24	23.07	8.626	55.80	17.18	20.84	11.03
#1	.0001	-.0005	.0438	.1275	.0073	.0001	.0029	.1281
#2	-.0007	-.0004	.0365	.1077	.0221	.0002	.0022	.1595
#3	.0002	-.0003	.0273	.1148	.0114	.0002	.0019	.1415

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass
 High Limit Low Limit

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	F-.0011	.0010	.0009	.0047	.0008	.0001	.0014
Stddev	.0000	.0005	.0011	.0011	.0001	.0003	.0001	.0002
%RSD	94.18	48.71	114.5	133.4	2.228	36.22	187.6	16.98
#1	.0000	-.0009	.0003	-.0005	.0048	.0006	-.0001	.0016
#2	.0000	-.0017	.0004	.0014	.0046	.0011	.0001	.0016
#3	.0001	-.0007	.0023	.0016	.0048	.0006	.0002	.0012

Check ? Chk Pass Chk Fail Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

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Sample Name: CCB Acquired: 4/12/2016 18:04:59 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	-.0005	.0003	.0011
Stddev	.0013	.0001	.0000
%RSD	289.8	43.77	3.688
#1	-.0002	.0004	.0011
#2	-.0007	.0001	.0011
#3	-.0019	.0003	.0011

Check ? Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1725.1	4795.2	32491.	5266.9
Stddev	5.3	3.7	81.	78.6
%RSD	.30485	.07723	.25045	1.4928
#1	1724.0	4791.3	32554.	5184.2
#2	1730.8	4798.7	32399.	5340.7
#3	1720.5	4795.5	32519.	5275.9

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Sample Name: MP30234-SD1 Acquired: 4/12/2016 18:09:09 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0050	495.4	.1206	2.178	.0138	64.75	-.0015	.0800	.6357	.2880
Stddev	.0019	2.1	.0249	.003	.0026	.35	.0017	.0034	.0081	.0065
%RSD	37.56	.4245	20.62	.1312	18.96	5.396	115.6	4.288	1.269	2.241
#1	.0071	497.8	.1118	2.175	.0136	64.48	-.0004	.0772	.6420	.2931
#2	.0040	494.9	.1012	2.179	.0165	65.15	-.0018	.0792	.6266	.2808
#3	.0037	493.7	.1486	2.180	.0113	64.63	-.0030	.0838	.6385	.2903

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	317.3	35.28	60.12	4.625	.0226	10.68	.5034	8.238	.0126	.0587
Stddev	.4	.23	.53	.006	.0032	.21	.0083	.052	.0119	.0206
%RSD	.1401	.6437	.8838	.1404	14.07	1.951	1.644	.6277	94.46	35.10
#1	317.8	35.47	59.68	4.621	.0209	10.90	.5064	8.187	.0009	.0795
#2	317.3	35.36	60.71	4.632	.0263	10.48	.4940	8.237	.0122	.0582
#3	316.9	35.03	59.98	4.622	.0207	10.65	.5097	8.291	.0246	.0383

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	65.78	.0559	.8408	12.67	.0139	.6125	.7887
Stddev	.47	.0053	.0036	.13	.0115	.0125	.0003
%RSD	.7152	9.540	.4293	.9963	82.71	2.038	.0341
#1	65.81	.0519	.8374	12.73	.0262	.6251	.7890
#2	66.23	.0540	.8446	12.53	.0121	.6002	.7884
#3	65.29	.0620	.8403	12.76	.0034	.6121	.7887

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1769.8	4877.1	32913.	5418.3
Stddev	4.4	9.7	172.	45.6
%RSD	.24685	.19888	.52140	.84139
#1	1765.5	4867.3	33110.	5385.1
#2	1774.2	4877.2	32829.	5399.5
#3	1769.7	4886.7	32799.	5470.3

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Sample Name: MP30234-PS1 Acquired: 4/12/2016 18:13:13 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0530	481.2	.2081	2.318	.0660	69.25	.0510	.1285	.6667	.4149
Stddev	.0039	.9	.0029	.006	.0005	.15	.0002	.0001	.0030	.0012
%RSD	7.276	.1804	1.378	.2817	.8047	2.111	4.004	.0864	4.478	2.794
#1	.0496	480.8	.2077	2.312	.0660	69.16	.0509	.1285	.6663	.4162
#2	.0572	482.1	.2055	2.325	.0666	69.42	.0509	.1285	.6639	.4140
#3	.0524	480.5	.2111	2.318	.0655	69.17	.0512	.1287	.6698	.4145

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	316.3	40.04	64.41	4.600	.1106	14.46	.5835	8.426	.1002	.1059
Stddev	.7	.12	.25	.008	.0005	.08	.0003	.012	.0077	.0028
%RSD	.2168	.2911	.3843	.1781	4.222	.5618	.0540	.1426	7.699	2.678
#1	316.0	40.18	64.62	4.609	.1107	14.40	.5835	8.414	.1080	.1092
#2	317.1	39.98	64.49	4.593	.1109	14.55	.5832	8.427	.0926	.1044
#3	315.8	39.97	64.14	4.598	.1100	14.42	.5838	8.438	.0998	.1041

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	3.913	.0960	.8606	11.61	.0929	.6432	.9106
Stddev	.007	.0030	.0018	.01	.0052	.0044	.0018
%RSD	.1908	3.169	2.105	.1066	5.553	6.800	2.029
#1	3.912	.0945	.8588	11.62	.0873	.6457	.9126
#2	3.906	.0940	.8624	11.60	.0975	.6381	.9090
#3	3.921	.0995	.8607	11.60	.0939	.6457	.9101

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1780.2	4967.6	33766.	5418.0
Stddev	2.0	11.6	181.	48.8
%RSD	.11393	.23284	.53510	.90157
#1	1778.7	4956.6	33563.	5371.7
#2	1782.5	4979.7	33910.	5413.2
#3	1779.4	4966.3	33825.	5469.0

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Sample Name: MP30234-S1 Acquired: 4/12/2016 18:17:16 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0581	495.0	1.971	3.988	.0667	84.00	.0511	.5728	.7865	.5499
Stddev	.0018	1.6	.004	.014	.0007	.10	.0002	.0008	.0036	.0011
%RSD	3.135	.3181	.2235	.3572	.9959	1.156	4.114	1.475	4.531	2.067
#1	.0598	496.0	1.968	4.005	.0671	84.06	.0508	.5718	.7906	.5509
#2	.0562	495.9	1.976	3.981	.0659	84.04	.0512	.5732	.7845	.5487
#3	.0583	493.2	1.969	3.979	.0671	83.88	.0512	.5733	.7844	.5500

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	319.6	54.18	81.07	4.723	.4624	29.35	.9693	8.230	.1227	1.880
Stddev	.4	.25	.23	.007	.0010	.09	.0017	.024	.0019	.007
%RSD	.1213	.4591	.2807	.1513	.2241	.3189	.1714	.2944	1.587	.3580
#1	319.9	54.41	81.24	4.731	.4632	29.46	.9705	8.204	.1205	1.884
#2	319.8	54.21	81.15	4.720	.4612	29.31	.9699	8.252	.1240	1.872
#3	319.1	53.92	80.81	4.718	.4627	29.29	.9674	8.235	.1237	1.885

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	3.810	.5088	1.252	10.81	2.014	1.051	1.112
Stddev	.010	.0011	.005	.01	.013	.001	.001
%RSD	.2618	.2135	.4042	.1366	.6190	.0577	.1248
#1	3.821	.5084	1.257	10.82	2.019	1.051	1.110
#2	3.802	.5100	1.250	10.80	2.023	1.050	1.113
#3	3.806	.5079	1.248	10.80	1.999	1.051	1.113

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1807.1	5038.4	34018.	5408.7
Stddev	7.1	11.1	10.	54.1
%RSD	.39120	.21972	.03013	1.0010
#1	1812.8	5045.4	34010.	5430.7
#2	1799.2	5025.6	34014.	5347.0
#3	1809.3	5044.1	34030.	5448.4

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Sample Name: MP30234-S2 Acquired: 4/12/2016 18:21:15 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0536	459.3	1.942	3.778	.0647	79.09	.0498	.5583	.7279	.5217
Stddev	.0014	.8	.011	.008	.0003	.10	.0003	.0005	.0019	.0009
%RSD	2.651	.1658	.5513	.2036	.5244	1.288	.5585	.0847	2.615	1.793
#1	.0540	458.9	1.950	3.775	.0650	79.05	.0495	.5577	.7257	.5209
#2	.0548	460.2	1.930	3.787	.0643	79.20	.0501	.5586	.7292	.5213
#3	.0521	458.8	1.947	3.772	.0647	79.01	.0497	.5585	.7287	.5227

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	297.7	51.57	76.51	4.402	.4507	28.55	.9306	7.640	.1258	1.861
Stddev	.8	.14	.66	.005	.0018	.06	.0016	.030	.0073	.016
%RSD	.2622	.2634	.8585	.1223	.3960	.2188	.1713	.3876	5.780	.8373
#1	297.1	51.49	76.21	4.396	.4487	28.60	.9288	7.606	.1263	1.844
#2	298.6	51.73	76.06	4.404	.4511	28.56				

Sample Name: FA31884-2 Acquired: 4/12/2016 18:25:13 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0084	505.3	.1161	1.850	.0162	40.62	-.0017	.0823	.6663	.2821
Stddev	.0020	.9	.0019	.002	.0002	.14	.0004	.0006	.0021	.0028
%RSD	24.16	.1829	1.596	.1269	1.419	.3392	25.85	.7556	.3134	.9758
#1	.0063	505.3	.1170	1.852	.0164	40.71	-.0018	.0817	.6684	.2849
#2	.0085	506.2	.1173	1.852	.0160	40.68	-.0012	.0824	.6643	.2794
#3	.0104	504.4	.1140	1.848	.0161	40.46	-.0020	.0829	.6661	.2821
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	320.7	28.49	59.15	3.734	.0132	4.257	5.061	4.678	.0069	.0003
Stddev	.6	.05	.37	.009	.0006	.033	.0012	.007	.0007	.0033
%RSD	.2016	.1675	.6279	.2395	4.249	.7660	.2336	.1558	9.689	1002.
#1	321.2	28.43	59.42	3.725	.0127	4.220	5.060	4.681	.0073	.0017
#2	320.9	28.53	59.31	3.743	.0138	4.272	5.050	4.682	.0062	.0027
#3	320.0	28.50	58.73	3.733	.0131	4.280	5.073	4.669	.0074	-.0034
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	4.009	.0489	.5502	11.72	-.0076	6.150	5.732			
Stddev	.008	.0003	.0016	.02	.0056	.0038	.0006			
%RSD	.1922	.6296	.2940	.1690	.7398	6.170	1.063			
#1	4.012	.0492	.5518	11.72	-.0073	6.127	5.737			
#2	4.000	.0488	.5486	11.74	-.0022	6.129	5.734			
#3	4.015	.0486	.5502	11.70	-.0134	6.193	5.725			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1794.7	5010.6	33854.	5452.9						
Stddev	4.2	9.9	149.	49.2						
%RSD	.23416	.19840	.44118	.90249						
#1	1798.4	5022.1	34012.	5456.8						
#2	1790.2	5004.7	33716.	5401.8						
#3	1795.7	5005.1	33832.	5500.0						

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Sample Name: FA31884-5A Acquired: 4/12/2016 18:29:15 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0104	379.9	.0685	2.139	.0110	62.31	-.0032	.0876	.6462	.6462
Stddev	.0021	.5	.0014	.001	.0005	.15	.0005	.0004	.0020	.0020
%RSD	20.31	.1189	2.049	.0470	4.598	.2405	15.15	.4386	.3154	.3154
#1	.0079	379.5	.0676	2.139	.0108	62.38	-.0037	.0879	.6484	.6484
#2	.0116	380.4	.0701	2.139	.0116	62.42	-.0028	.0876	.6444	.6444
#3	.0116	379.7	.0677	2.138	.0106	62.14	-.0030	.0871	.6459	.6459
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Se1960
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)
Avg	.2374	339.3	33.68	52.35	6.300	.0151	3.932	.4499	1.185	1.185
Stddev	.0015	.8	.08	.17	.023	.0007	.041	.0022	.006	.006
%RSD	.6180	.2278	.2243	.3191	.3597	4.531	1.046	.4953	.5408	.5408
#1	.2377	339.9	33.77	52.51	6.321	.0155	3.954	.4522	1.193	1.193
#2	.2388	339.5	33.63	52.38	6.304	.0143	3.885	.4497	1.180	1.180
#3	.2358	338.4	33.64	52.18	6.276	.0155	3.957	.4477	1.184	1.184
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062	
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)	
Avg	-.0014	.0040	4.309	.0414	.9486	F21.66	-.0122	.6978	.8853	
Stddev	.0018	.0051	.010	.0020	.0021	.04	.0061	.0050	.0008	
%RSD	122.4	129.5	.2355	4.756	.2212	.1937	50.28	.7187	.0894	
#1	-.0017	-.0011	4.320	.0409	.9494	21.66	-.0189	.7032	.8862	
#2	.0004	.0092	4.299	.0398	.9502	21.70	-.0109	.6969	.8848	
#3	-.0030	.0037	4.308	.0436	.9462	21.62	-.0068	.6932	.8849	
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1794.7	5014.0	33635.	5461.8						
Stddev	.5	6.1	168.	43.7						
%RSD	.02941	.12220	.49961	.80097						
#1	1794.5	5007.6	33560.	5428.6						
#2	1794.3	5014.4	33517.	5445.4						
#3	1795.3	5019.8	33827.	5511.3						

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Sample Name: FA31884-8A Acquired: 4/12/2016 18:33:22 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0085	447.6	.1148	1.361	.0127	34.62	-.0026	.0745	.6673	.2897
Stddev	.0018	2.0	.0025	.005	.0001	.04	.0002	.0008	.0035	.0003
%RSD	20.85	.4500	2.193	.4067	.7948	.1067	8.386	1.128	.5242	.0996
#1	.0066	447.5	.1143	1.364	.0127	34.64	-.0027	.0753	.6633	.2895
#2	.0101	449.7	.1176	1.365	.0128	34.63	-.0026	.0746	.6686	.2901
#3	.0087	445.7	.1127	1.355	.0126	34.57	-.0023	.0736	.6699	.2896
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	302.0	31.46	57.68	2.577	.0127	3.898	4.720	3.110	-.0018	.0049
Stddev	1.2	.29	.23	.003	.0006	.052	.0009	.011	.0042	.0071
%RSD	.3904	.9266	.3986	.1317	5.012	1.345	.1860	.3598	233.5	144.6
#1	302.9	31.69	57.92	2.573	.0121	3.958	4.730	3.122	-.0061	.0001
#2	302.5	31.57	57.67	2.580	.0134	3.872	4.712	3.105	-.0016	.0130
#3	300.7	31.13	57.46	2.577	.0127	3.863	4.718	3.101	.0023	.0016
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	3.759	.0479	.4387	11.52	-.0088	5.857	5.740			
Stddev	.006	.0012	.0013	.02	.0043	.0022	.0007			
%RSD	.1683	2.512	.3029	.1852	49.01	.3742	.1138			
#1	3.766	.0485	.4392	11.50	-.0137	5.832	5.738			
#2	3.755	.0465	.4397	11.54	-.0067	5.868	5.734			
#3	3.755	.0486	.4372	11.51	-.0059	5.871	5.747			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1787.9	4965.8	33392.	5381.4						
Stddev	3.6	3.9	130.	42.2						
%RSD	.19912	.07953	.39034	.78449						
#1	1784.5	4961.4	33541.	5353.7						
#2	1787.7	4968.8	33297.	5360.6						
#3	1791.6	4967.4	33339.	5430.0						

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Sample Name: FA31884-11A Acquired: 4/12/2016 18:37:26 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0117	593.0	.1281	3.517	.0176	112.8	-.0002	.1038	.7360	.3955
Stddev	.0021	1.8	.0008	.012	.0002	.4	.0004	.0001	.0018	.0005
%RSD	17.93	.3109	.5939	.3260	1.153	.3571	168.3	.0808	.2501	.1203
#1	.0122	593.5	.1274	3.519	.0178	112.9	-.0005	.1037	.7367	.3960
#2	.0135	594.6	.1279	3.527	.0176	113.2	-.			

Sample Name: CCB Acquired: 4/12/2016 18:53:31 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.005	-0.006	.0000	.005	.001	.0151	.0000	.0000	.0000
Stddev	.0002	.0090	.0008	.0002	.0001	.0006	.000	.0002	.0003
%RSD	30.38	1404.	2580.	54.83	110.0	3.798	420.7	370.6	825.1
#1	-0.004	.0039	.0006	.0007	.0001	.0145	.0000	.0001	.0000
#2	-0.007	.0051	.0003	.0002	.0000	.0156	.0000	.0002	.0004
#3	-0.004	-.0110	-.0009	.0005	.0002	.0152	.0000	-.0001	-.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	.0325	.0781	.0035	.0002	F.0023	.0583	.0001	-.0004
Stddev	.0005	.0084	.0086	.0100	.0000	.0007	.0035	.0001	.0013
%RSD	168.7	25.97	11.00	282.8	19.52	28.50	5.979	49.97	307.8
#1	.0002	.0420	.0687	-.0075	.0002	.0030	.0592	.0001	.0000
#2	-.0003	.0297	.0802	.0121	.0002	.0022	.0545	.0002	.0006
#3	-.0008	.0259	.0855	.0060	.0002	.0017	.0613	.0001	-.0019

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.0006	.0011	.0006	.0001	.0014	.0002	.0001	.0011
Stddev	.0007	.0000	.0001	.0006	.0001	.0002	.0015	.0002	.0001
%RSD	79.24	6.764	9.170	95.83	83.46	14.36	940.2	219.4	4.635
#1	.0004	.0007	.0010	.0007	.0001	.0016	-.0016	.0002	.0012
#2	.0007	.0006	.0010	.0000	.0001	.0014	.0009	-.0001	.0011
#3	.0017	.0007	.0012	.0011	.0000	.0012	.0012	.0001	.0011

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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Sample Name: CCB Acquired: 4/12/2016 18:53:31 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1724.9	4790.4	32287.	5196.2
Stddev	6.2	7.9	209.	49.0
%RSD	.36106	.16527	.64624	.94367
#1	1720.4	4786.8	32495.	5164.7
#2	1732.0	4799.5	32078.	5252.7
#3	1722.2	4785.0	32288.	5171.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	.0325	.0781	.0035	.0002	F.0023	.0583	.0001	-.0004
Stddev	.0005	.0084	.0086	.0100	.0000	.0007	.0035	.0001	.0013
%RSD	168.7	25.97	11.00	282.8	19.52	28.50	5.979	49.97	307.8
#1	.0002	.0420	.0687	-.0075	.0002	.0030	.0592	.0001	.0000
#2	-.0003	.0297	.0802	.0121	.0002	.0022	.0545	.0002	.0006
#3	-.0008	.0259	.0855	.0060	.0002	.0017	.0613	.0001	-.0019

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.0006	.0011	.0006	.0001	.0014	.0002	.0001	.0011
Stddev	.0007	.0000	.0001	.0006	.0001	.0002	.0015	.0002	.0001
%RSD	79.24	6.764	9.170	95.83	83.46	14.36	940.2	219.4	4.635
#1	.0004	.0007	.0010	.0007	.0001	.0016	-.0016	.0002	.0012
#2	.0007	.0006	.0010	.0000	.0001	.0014	.0009	-.0001	.0011
#3	.0017	.0007	.0012	.0011	.0000	.0012	.0012	.0001	.0011

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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Sample Name: FA31884-26A Acquired: 4/12/2016 18:57:42 Type: Ink
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0076	283.2	.1084	.9206	.0107	32.07	-.0020	.0588	.7245	.1903
Stddev	.0011	.8	.0022	.0048	.0001	.22	.0002	.0001	.0028	.0008
%RSD	13.88	.2663	2.038	.5218	1.125	.6715	10.46	.1915	.3872	.4211
#1	.0087	284.1	.1101	.9261	.0106	32.27	-.0020	.0588	.7270	.1912
#2	.0066	282.6	.1059	.9185	.0107	31.84	-.0023	.0589	.7215	.1897
#3	.0077	283.0	.1092	.9172	.0108	32.10	-.0019	.0586	.7252	.1900

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	270.0	20.77	43.25	1.851	-.0135	3.848	.3492	.7663	.0062	.0015
Stddev	1.2	.05	.30	.006	.0004	.029	.0001	.0043	.0049	.0068
%RSD	.4497	.2297	.6972	.3351	3.175	.7400	.0184	.5591	78.94	446.1
#1	270.8	20.76	43.36	1.858	.0140	3.881	.3492	.7697	.0117	-.0052
#2	268.6	20.82	42.91	1.847	.0133	3.829	.3492	.7678	.0027	.0084
#3	270.6	20.73	43.48	1.847	.0132	3.833	.3493	.7615	.0041	.0014

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	4.587	.0500	.3742	9.712	-.0142	5.677	4.127
Stddev	.005	.0016	.0019	.034	.0049	.0031	.0012
%RSD	.1139	3.160	.5158	.3498	34.51	.5406	.2816
#1	4.593	.0489	.3764	9.750	-.0193	.5711	4.140
#2	4.583	.0518	.3728	9.686	-.0136	.5652	4.119
#3	4.586	.0493	.3733	9.699	-.0096	.5669	4.120

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1782.0	4978.8	33494.	5423.7
Stddev	3.0	3.0	141.	27.4
%RSD	.16754	.06022	.42058	.50589
#1	1783.8	4976.9	33348.	5393.5
#2	1783.7	4982.2	33630.	5447.1
#3	1778.6	4977.2	33503.	5430.5

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Sample Name: FA31884-29A Acquired: 4/12/2016 19:01:46 Type: Ink
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0151	476.9	.1135	6.703	.0181	144.6	-.0013	.1185	.1185	.7757
Stddev	.0029	.4	.0045	.005	.0005	.1	.0003	.0004	.0019	.0019
%RSD	19.52	.0830	3.986	.0760	2.879	.0693	19.22	.3740	.2506	.2506
#1	.0157	477.1	.1138	6.698	.0187	144.6	-.0014	.1188	.7756	.7756
#2	.0119	477.2	.1088	6.708	.0179	144.5	-.0010	.1180	.7739	.7739
#3	.0177	476.5	.1179	6.702	.0177	144.7	-.0015	.1188	.7778	.7778

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3911	411.4	28.78	54.41	F20.89	.0162	4.919	.4815	.8753
Stddev	.0013	.1	.11	.11	.10	.0007	.054	.0006	.0019
%RSD	.3274	.0351	.3724	.1939	.4685	4.531	1.106	.1225	.2127
#1	.3905	411.6	28.72	54.33	20.92	.0155	4.856	.4819	.8774
#2	.3902	411.3	28.91	54.37	20.97	.0170	4.943	.4817	.8738
#3	.3926	411.5	28.72	54.53	20.78	.0162	4.957	.4808	.8746

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0003	.0085	4.714	.0383	1.881	12.81	-.0025	.8638	.6702
Stddev	.0034	.0036	.008	.0005	.002	.02	.0035	.0031	.0016
%RSD	1315.	42.52	.1701	1.339	.1165	.1329	138.3	.3555	.2314
#1	-.0026	.0124	4.719	.0385	1.880	12.83	-.0061	.8668	

Sample Name: FA31884-33A Acquired: 4/12/2016 19:05:57 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0174	465.4	.1240	7.612	.0182	161.6	.0000	.1372	8791
Stddev	.0017	.9	.0042	.016	.0006	.3	.0003	.0013	.0053
%RSD	9.993	.1895	3.421	.2030	3.288	.1681	2820.0	.9555	6.016
#1	.0156	465.4	.1223	7.624	.0186	161.6	-.0003	.1357	8852
#2	.0174	464.5	.1209	7.595	.0186	161.3	.0001	.1380	8769
#3	.0191	466.3	.1289	7.617	.0175	161.8	.0002	.1379	8753
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4499	439.9	32.65	68.24	F20.54	.0162	4.968	.5303	1.005
Stddev	.0019	.6	.13	.25	.14	.0009	.027	.0017	.006
%RSD	.4233	.1286	.4099	.3706	.6939	5.731	.5493	.3215	.6313
#1	.4517	439.7	32.59	67.97	20.50	.0154	4.985	.5289	.9975
#2	.4479	439.4	32.55	68.27	20.70	.0172	4.936	.5299	1.008
#3	.4500	440.5	32.80	68.47	20.43	.0160	4.982	.5322	1.009
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0013	.0030	4.887	.0405	2.184	13.35	.0025	.9135	.8023
Stddev	.0054	.0015	.005	.0007	.003	.04	.0027	.0011	.0012
%RSD	423.0	48.58	.1107	1.662	.1220	.2928	108.0	.1223	.1497
#1	-.0035	.0018	4.881	.0410	2.184	13.39	.0055	.9148	.8017
#2	.0071	.0027	4.889	.0407	2.181	13.36	.0016	.9128	.8037
#3	.0003	.0046	4.891	.0397	2.187	13.32	.0003	.9128	.8015
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1809.1	5132.3	3494.0	5512.3					
Stddev	7.4	10.2	91.	46.6					
%RSD	.41160	.19875	.26159	.84573					
#1	1815.5	5141.3	34895.	5553.7					
#2	1800.9	5121.3	34880.	5461.8					
#3	1810.9	5134.4	35046.	5521.5					

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Sample Name: FA31932-1A Acquired: 4/12/2016 19:10:08 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0055	183.3	.0230	1.412	.0040	28.94	-.0015	.0328	.2790	.1925
Stddev	.0021	.2	.0030	.001	.0004	.02	.0001	.0005	.0010	.0025
%RSD	38.27	.0998	13.15	.0955	9.402	.0603	6.482	1.609	.3471	1.280
#1	.0037	183.4	.0237	1.412	.0043	28.96	-.0015	.0324	.2779	.1950
#2	.0078	183.1	.0197	1.414	.0036	28.93	-.0014	.0334	.2798	.1900
#3	.0049	183.5	.0256	1.411	.0042	28.93	-.0016	.0327	.2792	.1924
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	172.8	20.41	15.64	4.741	.0111	2.207	.1475	.4611	.0028	.0060
Stddev	.1	.01	.19	.016	.0006	.032	.0008	.0006	.0025	.0048
%RSD	.0518	.0302	1.202	.3401	5.318	1.442	.5306	.1379	87.42	80.95
#1	172.8	20.41	15.85	4.724	.0111	2.243	.1469	.4607	.0038	.0108
#2	172.9	20.41	15.49	4.756	.0118	2.196	.1473	.4618	.0047	.0060
#3	172.8	20.40	15.57	4.744	.0106	2.182	.1484	.4607	.0000	.0011
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	4.538	.0471	.4542	6.439	-.0054	.4337	.2091			
Stddev	.010	.0017	.0027	.016	.0063	.0025	.0004			
%RSD	.2125	3.600	.5991	.2458	116.7	.5792	.1677			
#1	4.549	.0468	.4517	6.422	-.0064	.4328	.2095			
#2	4.530	.0489	.4571	6.453	-.0112	.4366	.2088			
#3	4.536	.0455	.4538	6.443	.0013	.4319	.2091			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1783.8	4910.6	3323.1	5260.6						
Stddev	4.3	18.0	163.	30.3						
%RSD	.24373	.36584	.48969	.57545						
#1	1779.0	4892.1	33386.	5225.7						
#2	1787.4	4928.0	33061.	5279.9						
#3	1785.1	4911.7	33245.	5276.2						

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Sample Name: FA31932-5A Acquired: 4/12/2016 19:14:11 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0028	156.4	.0207	1.057	.0031	28.02	.0034	.0233	.2942	.1198
Stddev	.0023	.1	.0021	.001	.0004	.06	.0006	.0004	.0014	.0030
%RSD	82.12	.0944	10.07	.0996	14.04	.2168	17.25	1.874	.4729	2.484
#1	.0054	156.2	.0228	1.058	.0030	28.05	.0031	.0229	.2945	.1225
#2	.0008	156.5	.0186	1.056	.0026	28.05	.0030	.0237	.2953	.1202
#3	.0023	156.4	.0208	1.057	.0035	27.95	.0040	.0232	.2926	.1166
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	158.8	16.94	13.44	3.083	.0125	2.189	.1723	.2913	.0005	.0050
Stddev	.8	.19	.16	.007	.0007	.055	.0002	.0036	.0019	.0058
%RSD	.4818	1.144	1.186	.2333	5.331	2.498	.1422	1.225	376.6	116.5
#1	159.5	16.73	13.45	3.080	.0131	2.221	.1725	.2955	.0025	.0013
#2	158.7	17.11	13.59	3.091	.0127	2.221	.1723	.2890	.0001	.0116
#3	158.0	16.96	13.28	3.078	.0118	2.126	.1720	.2896	-.0011	.0020
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	4.411	.0441	.4095	5.747	-.0115	.4235	.1866			
Stddev	.009	.0011	.0018	.016	.0029	.0016	.0003			
%RSD	.2109	2.600	.4510	.2751	25.02	.3726	.1434			
#1	4.408	.0429	.4114	5.733	-.0120	.4249	.1869			
#2	4.403	.0444	.4093	5.764	-.0141	.4238	.1864			
#3	4.421	.0451	.4078	5.743	-.0084	.4218	.1865			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1768.3	4877.8	33148.	5298.7						
Stddev	8.0	12.5	102.	22.3						
%RSD	.45489	.25689	.30807	.42149						
#1	1765.1	4876.5	33049.	5286.3						
#2	1762.3	4865.9	33143.	5324.5						
#3	1777.4	4890.9	33253.	5285.4						

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Sample Name: FA31932-14A Acquired: 4/12/2016 19:18:15 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0039	162.4	.0180	1.326	.0034	26.80	-.0022	.0239	.2251	.0740
Stddev	.0013	.4	.0016	.004	.0003	.12	.0002	.0002	.0024	.0008
%RSD	32.58	.2475	9.064	.2816	8.353	.4453	11.09	.6889	1.062	1.091
#1	.0025	162.8	.0191	1.329	.0037	26.83	-.0024	.0240	.2277	.0737
#2	.0049	162.4	.0161	1.327	.0032	26.89	-.0023	.0237	.2231	.0750
#3	.0041	162.0	.0187	1.322	.0034	26.66	-.0019	.0240	.2244	.0734
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	157.1	14.35	12.75	2.534	.0110	2.054	.1164	.1416	.0041	.0033
Stddev	.8	.06	.08	.001	.0001	.027	.0005	.0047	.0040	.0062
%RSD	.4983	.3991	.6312	.0387	.7315	1.335	.4694	3.309	96.14	188.1
#1	157.0	14.41	12.65	2.533	.0109	2.056	.1170	.1470	.0046	-.0037
#2	157.9	14.33	12.78	2.533	.0109	2.080	.1164	.1384	-.0001	.0082
#3	156.4	14.31	12.80	2.535	.0111	2.026	.1159	.1394	.0078</	

Sample Name: FA31932-17A Acquired: 4/12/2016 19:22:19 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0105	401.7	.0431	7.531	.0107	159.1	.0013	.0916	.5014	.2907
Stddev	.0014	.6	.0024	.017	.0006	.6	.0002	.0003	.0026	.0022
%RSD	13.53	.1613	5.631	.2303	5.308	3.583	16.50	.3108	.5127	.7501
#1	.0108	401.7	.0426	7.544	.0109	159.3	.0010	.0918	.4991	.2901
#2	.0117	402.3	.0410	7.537	.0100	159.6	.0014	.0918	.5009	.2931
#3	.0089	401.0	.0458	7.511	.0111	158.5	.0014	.0913	.5042	.2888
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	326.4	20.45	34.59	14.74	.0161	3.527	3600	8504	-.0008	.0083
Stddev	.5	.15	.12	.01	.0005	.046	.0015	.0023	.0079	.0033
%RSD	.1670	.7362	.3324	.0381	2.913	1.316	.4184	.2663	998.0	39.43
#1	326.6	20.29	34.48	14.74	.0159	3.563	.3616	.8478	-.0098	.0045
#2	326.8	20.48	34.71	14.74	.0166	3.543	.3599	.8520	-.0027	.0103
#3	325.8	20.58	34.58	14.73	.0157	3.475	.3586	.8514	.0048	.0100
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	4.593	.0444	2.388	8.845	.0034	.7741	.3012			
Stddev	.007	.0010	.007	.005	.0054	.0011	.0001			
%RSD	.1533	2.163	.2933	.0601	156.3	.1427	.0401			
#1	4.598	.0453	2.393	8.846	.0075	.7751	.3013			
#2	4.595	.0434	2.390	8.839	.0054	.7744	.3011			
#3	4.585	.0445	2.380	8.850	-.0026	.7729	.3013			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1793.5	5052.0	34350	5463.1						
Stddev	9.3	10.0	70	8.9						
%RSD	.51924	.19797	.20503	.16253						
#1	1803.9	5063.3	34281	5464.0						
#2	1791.0	5048.4	34347	5471.5						
#3	1785.8	5044.3	34422	5453.8						

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Sample Name: FA31932-20A Acquired: 4/12/2016 19:26:22 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0119	423.5	.0453	6.487	.0112	145.6	-.0003	.1197	1.825	.8326
Stddev	.0005	1.3	.0014	.018	.0003	.3	.0005	.0006	.005	.0019
%RSD	4.393	.2980	3.080	.2751	3.031	.2237	148.5	.4941	.2723	.2275
#1	.0120	424.8	.0451	6.504	.0116	145.6	-.0006	.1198	1.819	.8346
#2	.0114	423.4	.0440	6.491	.0110	145.9	-.0007	.1190	1.829	.8308
#3	.0124	422.3	.0468	6.468	.0110	145.3	.0002	.1202	1.826	.8323
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	351.4	18.52	41.91	14.24	.0392	171.7	1.059	.9585	-.0031	.0047
Stddev	1.0	.18	.22	.03	.0007	.5	.001	.0009	.0040	.0061
%RSD	.2771	.9562	.5145	.2413	1.748	.2830	.0656	.0928	128.6	131.0
#1	352.1	18.38	42.06	14.20	.0384	172.1	1.058	.9586	.0010	.0108
#2	351.8	18.72	41.67	14.26	.0395	171.8	1.058	.9594	-.0069	-.0015
#3	350.3	18.47	42.02	14.25	.0397	171.2	1.060	.9576	-.0034	.0048
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	4.780	.0474	2.192	9.816	-.0063	8.565	4.248			
Stddev	.012	.0002	.005	.026	.0016	.0042	.0006			
%RSD	.2493	.4452	.2218	.2657	.2512	.4952	.1387			
#1	4.766	.0472	2.195	9.787	-.0059	8.525	4.247			
#2	4.788	.0474	2.194	9.838	-.0049	8.609	4.243			
#3	4.785	.0476	2.186	9.823	-.0081	8.560	4.255			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1782.1	5035.6	34525	5414.5						
Stddev	2.5	3.2	100	15.8						
%RSD	.13761	.06258	.28822	.29133						
#1	1784.9	5036.5	34630	5421.1						
#2	1780.7	5038.2	34512	5396.6						
#3	1780.6	5032.1	34432	5426.0						

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Sample Name: FA31932-23A Acquired: 4/12/2016 19:30:25 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0049	165.1	.0279	.5260	.0029	11.05	-.0027	.0192	.5356	.1209
Stddev	.0013	.3	.0018	.0030	.0003	.04	.0004	.0007	.0023	.0019
%RSD	27.13	.1692	6.309	.5791	11.56	.3432	13.53	3.611	.4302	1.562
#1	.0056	165.3	.0289	.5275	.0030	11.09	-.0023	.0198	.5381	.1190
#2	.0058	165.1	.0290	.5279	.0025	11.05	-.0030	.0184	.5336	.1227
#3	.0034	164.8	.0259	.5225	.0032	11.01	-.0027	.0194	.5352	.1211
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	169.5	15.05	10.76	6.941	.0187	2.486	2551	.0954	.0004	.0035
Stddev	.6	.08	.12	.0017	.0006	.043	.0008	.0028	.0012	.0049
%RSD	.3669	.5533	1.072	.2400	3.356	1.708	.2954	2.936	276.9	141.2
#1	170.1	15.14	10.87	6.933	.0185	2.489	.2543	.0922	.0011	.0089
#2	169.6	15.03	10.76	6.961	.0194	2.527	.2555	.0975	-.0009	.0024
#3	168.9	14.98	10.64	6.931	.0181	2.442	.2556	.0965	.0011	-.0008
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	4.740	.0464	.1940	6.143	-.0088	.4737	.1525			
Stddev	.003	.0020	.0005	.015	.0053	.0006	.0001			
%RSD	.0523	4.221	.2629	.2474	60.13	.1274	.0338			
#1	4.740	.0442	.1946	6.141	-.0031	.4741	.1525			
#2	4.742	.0477	.1936	6.159	-.0136	.4730	.1524			
#3	4.737	.0474	.1937	6.129	-.0098	.4739	.1524			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	1804.5	4947.6	33697	5365.5						
Stddev	2.2	4.9	201	39.0						
%RSD	.12113	.09858	.59659	.72602						
#1	1806.9	4952.6	33536	5320.7						
#2	1803.9	4947.2	33634	5391.1						
#3	1802.7	4942.9	33923	5384.8						

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Sample Name: FA31932-26A Acquired: 4/12/2016 19:34:30 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0089	329.0	.0665	2.818	.0106	73.52	-.0004	.0740	.5858	.1928
Stddev	.0036	.5	.0037	.003	.0002	.13	.0001	.0005	.0023	.0005
%RSD	40.19	.1564	5.606	.1073	1.453	.1710	15.19	.6458	.3902	.2568
#1	.0058	328.4	.0653	2.820	.0108	73.65	-.0005	.0735	.5838	.1922
#2	.0128	329.3	.0707	2.815	.0105	73.49	-.0004	.0741	.5852	.1930
#3	.0081	329.3	.0636	2.820	.0105	73.41	-.0005	.0744	.5883	.1931
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	268.8	29.10	38.26	10.03	.0116	3.597	.3490	.4733	-.0054	.0009
Stddev	.3	.11	.26	.01	.0004	.033	.0007	.0039	.0017	.0029
%RSD	.1119	.3776	.6868	.0950	3.439	.9223	.1884	.8220		

Sample Name: CCV Acquired: 4/12/2016 19:38:32 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2522	40.98	2.024	2.081	2.060	39.92	2.052	2.032	2.047	2.034
Stddev	.0006	.12	.004	.005	.006	.10	.004	.003	.004	.003
%RSD	.2276	.2807	.2106	.2457	.3152	.2488	.1714	.1576	.2074	.1632
#1	.2515	40.95	2.021	2.082	2.063	39.86	2.050	2.029	2.047	2.038
#2	.2523	41.10	2.023	2.086	2.064	40.04	2.050	2.032	2.043	2.034
#3	.2527	40.87	2.029	2.076	2.052	39.87	2.056	2.036	2.051	2.031

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.27	42.61	39.89	2.080	2.028	41.24	2.024	2.046	2.020	2.035
Stddev	.11	.19	.17	.003	.006	.13	.003	.001	.002	.002
%RSD	.2743	.4526	.4160	.1482	.2773	.3169	.1659	.0330	.1031	.1065
#1	39.21	42.61	39.79	2.082	2.022	41.27	2.021	2.045	2.021	2.033
#2	39.40	42.81	40.08	2.076	2.028	41.35	2.024	2.046	2.018	2.035
#3	39.21	42.42	39.79	2.081	2.033	41.10	2.028	2.046	2.022	2.037

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.080	2.013	2.126	2.067	2.039	2.053	2.066
Stddev	.002	.005	.008	.004	.003	.003	.004
%RSD	.0926	.2608	.3712	.1838	.1393	.1296	.1917
#1	2.078	2.007	2.125	2.071	2.036	2.053	2.064
#2	2.081	2.013	2.134	2.064	2.041	2.050	2.064
#3	2.081	2.018	2.119	2.067	2.040	2.055	2.071

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 4/12/2016 19:42:29 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	.0014	.0008	.0004	.0001	.0157	.0000	.0001	.0001
Stddev	.0003	.0172	.0006	.0002	.0001	.0023	.0000	.0000	.0002
%RSD	92.90	1190.	80.23	43.04	46.14	14.46	555.5	34.84	263.3
#1	-.0005	-.0179	.0004	.0004	.0001	.0170	.0000	.0001	.0002
#2	.0000	.0147	.0004	.0005	.0002	.0131	.0000	.0001	.0003
#3	-.0005	.0076	.0015	.0002	.0001	.0171	.0000	.0001	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0337	.0474	.0145	.0003	F .0024	.0500	.0002	-.0007
Stddev	.0003	.0101	.0264	.0078	.0000	.0004	.0052	.0002	.0009
%RSD	843.9	29.99	55.58	53.50	8.470	18.52	10.38	154.9	136.8
#1	-.0003	.0432	.0419	.0083	.0002	.0029	.0440	.0003	.0003
#2	.0003	.0350	.0761	.0232	.0002	.0022	.0525	.0003	-.0007
#3	.0002	.0231	.0242	.0121	.0003	.0020	.0535	-.0001	-.0016

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0013	.0013	.0006	.0002	.0013	.0010	.0005	.0011
Stddev	.0003	.0006	.0005	.0004	.0001	.0001	.0010	.0002	.0000
%RSD	240.1	42.44	35.61	63.93	47.45	10.46	103.2	32.90	2.120
#1	-.0002	.0015	.0019	.0011	.0002	.0014	.0021	.0007	.0011
#2	.0001	.0007	.0010	.0005	.0001	.0013	.0002	.0005	.0012
#3	.0004	.0018	.0011	.0003	.0002	.0012	.0007	.0003	.0011

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCV Acquired: 4/12/2016 19:38:32 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1710.0	4687.3	33060.	5261.6
Stddev	3.7	17.1	110.	53.3
%RSD	.21401	.36550	.33228	1.0132
#1	1713.2	4701.3	33166.	5284.6
#2	1710.8	4692.4	33067.	5200.6
#3	1706.0	4668.2	32946.	5299.5

Sample Name: CCB Acquired: 4/12/2016 19:42:29 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1742.2	4788.8	32516.	5199.7
Stddev	4.2	6.7	175.	62.1
%RSD	.24069	.13971	.53714	1.1940
#1	1739.1	4783.4	32506.	5131.5
#2	1746.9	4796.3	32346.	5214.7
#3	1740.5	4786.8	32695.	5252.9

Sample Name: FA31932-29A Acquired: 4/12/2016 19:46:39 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0090	279.8	.0363	2.228	.0070	51.24	-.0021	.0603	.4436	.0916
Stddev	.0013	.6	.0033	.001	.0003	.10	.0002	.0004	.0031	.0008
%RSD	14.72	.2200	9.161	.0405	4.270	.2005	10.80	.7254	.7057	.9115
#1	.0079	279.7	.0400	2.229	.0071	51.32	-.0020	.0601	.4465	.0913
#2	.0085	279.2	.0356	2.227	.0073	51.28	-.0024	.0600	.4442	.0925
#3	.0104	280.4	.0334	2.228	.0067	51.13	-.0020	.0608	.4403	.0909

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	239.5	22.51	22.76	5.731	.0161	3.320	2579	.1452	.0023	.0061
Stddev	.1	.19	.14	.013	.0007	.040	.0006	.0028	.0023	.0059
%RSD	.0602	.8231	.6060	.2264	4.428	1.198	.2208	1.896	100.4	95.99
#1	239.5	22.47	22.91	5.744	.0169	3.301	2576	.1470	.0009	.0098
#2	239.6	22.35	22.71	5.718	.0157	3.365	2586	.1420	.0049	-.0007
#3	239.3	22.71	22.64	5.732	.0156	3.292	2576	.1465	.0011	.0093

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	4.998	.0457	.7416	8.491	-.0086	.6017	.2193
Stddev	.010	.0012	.0026	.012	.0034	.0014	.0002
%RSD	.1918	2.564	.3552	.1358	39.89	2.387	.1019
#1	5.004	.0447	.7411	8.503	-.0073	.6004	.2192
#2	5.003	.0453	.7445	8.480	-.0125	.6032	.2195
#3	4.987	.0470	.7393	8.490	-.0060	.6015	.2191

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1796.6	4964.8	34022	5404.8
Stddev	4.6	8.9	216	19.6
%RSD	.25861	.17987	.63552	.36200
#1	1799.7	4957.9	33809	5388.8
#2	1798.9	4974.9	34241	5399.1
#3	1791.2	4961.7	34017	5426.6

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Sample Name: CRIA Acquired: 4/12/2016 19:50:42 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0086	.2248	.0099	.2135	.0052	1.039	.0052	.0511	.0106	.0248
Stddev	.0001	.0021	.0007	.0005	.0002	.004	.0001	.0001	.0003	.0002
%RSD	1.681	.9228	7.281	.2262	3.198	4.278	.9856	.2524	2.774	.6861
#1	.0086	.2231	.0105	.2141	.0052	1.042	.0052	.0510	.0105	.0248
#2	.0084	.2271	.0091	.2133	.0051	1.034	.0052	.0511	.0109	.0249
#3	.0086	.2241	.0102	.2132	.0054	1.041	.0053	.0512	.0103	.0246

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	3280	11.09	5.257	.0163	.0490	10.78	.0411	.0045	.0051	.0113
Stddev	.0007	.03	.016	.0001	.0003	.02	.0002	.0009	.0003	.0006
%RSD	.2103	.2486	.3106	.4990	.6043	.1820	.4646	19.40	5.325	5.001
#1	3288	11.11	5.276	.0163	.0487	10.80	.0409	.0042	.0053	.0107
#2	3279	11.06	5.246	.0164	.0490	10.78	.0413	.0039	.0051	.0115
#3	3274	11.10	5.249	.0163	.0493	10.76	.0412	.0055	.0048	.0117

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0108	.0508	.0106	.0107	.0105	.0500	.0225
Stddev	.0003	.0002	.0001	.0001	.0003	.0005	.0000
%RSD	2.942	4.134	1.341	.6628	3.009	1.055	.1658
#1	.0109	.0508	.0108	.0108	.0106	.0496	.0224
#2	.0105	.0506	.0105	.0106	.0108	.0506	.0225
#3	.0111	.0510	.0105	.0107	.0102	.0497	.0225

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1785.5	4914.0	33718	5332.0
Stddev	8.7	9.7	157	43.8
%RSD	.48848	.19653	.46659	.82134
#1	1786.9	4915.0	33659	5281.6
#2	1793.5	4923.1	33598	5353.2
#3	1776.2	4903.9	33896	5361.1

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Sample Name: ICSA Acquired: 4/12/2016 19:54:48 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0001	F505.4	.0007	.0002	.0001	480.1	-.0002	-.0003	-.0011
Stddev	.0007	3.1	.0009	.0003	.0000	9.2	.0000	.0002	.0004
%RSD	452.8	.6205	116.4	135.5	18.56	1.923	11.52	63.89	36.07
#1	-.0008	504.8	.0009	.0005	.0001	489.2	-.0002	-.0004	-.0007
#2	-.0002	502.7	-.0002	.0001	.0001	480.5	-.0002	-.0001	-.0011
#3	.0006	508.8	.0015	.0000	.0001	470.7	-.0002	-.0004	-.0015

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0004	183.2	.2873	F502.2	-.0004	.0009	2970	.0004	-.0044
Stddev	.0003	.6	.0039	1.2	.0001	.0001	.0028	.0002	.0006
%RSD	79.15	.3272	1.370	.2308	17.57	16.64	95.73	65.04	14.02
#1	.0006	183.8	.2912	503.5	-.0005	.0007	.2946	.0006	-.0039
#2	.0003	182.6	.2834	501.2	-.0004	.0010	.3002	.0002	-.0041
#3	.0001	183.3	.2873	501.8	-.0004	.0009	.2962	.0002	-.0050

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0005	.0010	.0793	.0001	.0005	-.0006	.0018	.0007	-.0017
Stddev	.0004	.0003	.0004	.0004	.0002	.0000	.0013	.0003	.0001
%RSD	75.86	32.94	.4476	394.2	46.88	5.930	73.64	50.28	4.396
#1	.0001	.0010	.0789	-.0003	.0003	-.0006	.0029	.0005	-.0018
#2	.0006	.0006	.0797	.0002	.0004	-.0006	.0003	.0011	-.0017
#3	.0008	.0012	.0794	.0004	.0008	-.0006	.0022	.0005	-.0016

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1713.2	4530.5	32010	5084.4
Stddev	1.6	9.7	217	14.1
%RSD	.09354	.21475	.67839	.27663
#1	1712.6	4526.3	31980	5068.2
#2	1715.0	4541.6	32241	5091.5
#3	1711.9	4523.6	31810	5093.6

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Sample Name: ICSAB Acquired: 4/12/2016 19:59:05 Type: Unk
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F9559	499.1	1.082	.5166	.4864	464.6	.9814	.4964	.4996
Stddev	.0082	8.2	.001	.0008	.0015	3.4	.0008	.0004	.0046
%RSD	.8611	1.634	.1308	.1599	.3016	.7249	.0818	.0847	.9176
#1	.9533	489.7	1.082	.5171	.4857	466.2	.9821	.4962	.4985
#2	.9493	504.0	1.080	.5156	.4854	460.7	.9805	.4961	.4957
#3	.9651	503.7	1.082	.5169	.4881	466.9	.9816	.4969	.5046

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5483	177.5	.2403	495.6	.5049	.9829	2801	.9939	.9556
Stddev	.0048	.1	.0106	.3	.0049	.0013	.0084	.0003	.0007
%RSD	.8710	.0790	4.396	.0634	.9699	.1328	2.998	.0301	.0719
#1	.5478	177.4	.2343	495.6	.5020	.9825	.2763	.9938	.9564
#2	.5438	177.5	.2525	495.2	.5021	.9819	.2898	.9943	.9550
#3	.5533	177.7	.2341	495.8	.5106	.9844	.2743	.9937	.9555

Elem	Sb2068	Se1960	Si21
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Sample Name: CCV Acquired: 4/12/2016 20:03:18 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2491	40.17	2.014	2.035	2.000	39.11	2.038	2.016	2.021	2.005
Stddev	.0020	.04	.001	.002	.002	.10	.001	.001	.016	.011
%RSD	.8064	.0920	.0356	.0843	.0947	.2611	.0318	.0390	.7929	.5570
#1	2472	40.13	2.013	2.035	1.999	38.99	2.037	2.016	2.005	1.994
#2	2489	40.16	2.013	2.033	2.002	39.19	2.038	2.015	2.020	2.005
#3	2512	40.21	2.015	2.036	1.998	39.14	2.038	2.017	2.037	2.016

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	38.14	41.65	38.78	2.043	2.010	40.43	2.013	2.018	2.010	2.022
Stddev	.08	.04	.12	.013	.004	.07	.001	.001	.004	.002
%RSD	.2173	.0901	.2982	.6537	.2254	.1678	.0277	.0514	.2041	.0827
#1	38.05	41.70	38.70	2.030	2.006	40.36	2.013	2.018	2.009	2.024
#2	38.18	41.62	38.91	2.043	2.009	40.45	2.013	2.017	2.014	2.020
#3	38.20	41.65	38.73	2.057	2.015	40.49	2.012	2.019	2.006	2.022

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.071	2.010	2.069	2.029	2.013	2.021	2.046
Stddev	.001	.001	.000	.013	.005	.013	.003
%RSD	.0489	.0339	.0212	.6335	.2468	.6243	.1206
#1	2.071	2.010	2.069	2.017	2.009	2.008	2.043
#2	2.070	2.009	2.069	2.029	2.013	2.022	2.046
#3	2.072	2.010	2.069	2.043	2.019	2.033	2.048

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 4/12/2016 20:03:18 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1719.2	4686.5	33530.	5327.3
Stddev	3.1	8.7	264.	22.9
%RSD	.17794	.18489	.78762	.42899
#1	1722.6	4696.5	33826.	5353.7
#2	1718.1	4682.3	33445.	5314.8
#3	1716.8	4680.7	33319.	5313.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	38.14	41.65	38.78	2.043	2.010	40.43	2.013	2.018	2.010	2.022
Stddev	.08	.04	.12	.013	.004	.07	.001	.001	.004	.002
%RSD	.2173	.0901	.2982	.6537	.2254	.1678	.0277	.0514	.2041	.0827
#1	38.05	41.70	38.70	2.030	2.006	40.36	2.013	2.018	2.009	2.024
#2	38.18	41.62	38.91	2.043	2.009	40.45	2.013	2.017	2.014	2.020
#3	38.20	41.65	38.73	2.057	2.015	40.49	2.012	2.019	2.006	2.022

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.071	2.010	2.069	2.029	2.013	2.021	2.046
Stddev	.001	.001	.000	.013	.005	.013	.003
%RSD	.0489	.0339	.0212	.6335	.2468	.6243	.1206
#1	2.071	2.010	2.069	2.017	2.009	2.008	2.043
#2	2.070	2.009	2.069	2.029	2.013	2.022	2.046
#3	2.072	2.010	2.069	2.043	2.019	2.033	2.048

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCB Acquired: 4/12/2016 20:07:15 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	0.0036	0.0007	0.0003	0.0001	0.0191	0.0001	0.0000
Stddev	0.0003	0.0048	0.0005	0.0001	0.0001	0.0014	0.0000	0.0001
%RSD	145.0	134.9	64.61	38.49	91.80	7.466	50.12	337.9
#1	-0.0001	0.0090	0.0010	0.0003	0.0001	0.0206	0.0001	0.0000
#2	-0.0006	-0.0002	0.0010	0.0004	0.0000	0.0177	0.0000	0.0001
#3	0.0000	0.0020	0.0002	0.0002	0.0003	0.0191	0.0001	-0.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0002	-0.0002	0.0413	0.0807	-0.0056	0.0002	F.0024	0.0543
Stddev	0.0003	0.0003	0.0097	0.0153	0.0024	0.0000	0.0008	0.0121
%RSD	143.5	215.5	23.40	18.95	43.39	18.92	33.31	22.37
#1	0.0004	-0.0005	0.0516	0.0982	-0.0084	0.0002	0.0032	0.0683
#2	0.0003	0.0001	0.0400	0.0740	-0.0042	0.0001	0.0023	0.0474
#3	-0.0001	-0.0001	0.0324	0.0698	-0.0042	0.0002	0.0016	0.0471

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass
 High Limit
 Low Limit

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0001	F-.0019	0.0001	F.0021	0.0012	0.0007	0.0000	0.0013
Stddev	0.0002	0.0010	0.0010	0.0011	0.0000	0.0003	0.0001	0.0004
%RSD	226.6	55.12	683.0	54.09	2.958	49.78	262.4	30.30
#1	0.0000	-0.0009	0.0004	0.0033	0.0012	0.0008	0.0001	0.0016
#2	0.0000	-0.0017	0.0009	0.0011	0.0012	0.0009	-0.0001	0.0014
#3	0.0003	-0.0030	-0.0010	0.0020	0.0012	0.0003	0.0000	0.0009

Check ? Chk Pass Chk Fail Chk Pass Chk Fail None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/12/2016 20:07:15 Type: QC
 Method: 60102007_041712(v65) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	0.0004	0.0003	0.0011
Stddev	0.0006	0.0001	0.0001
%RSD	135.5	24.31	8.030
#1	0.0007	0.0003	0.0012
#2	0.0008	0.0004	0.0010
#3	-0.0002	0.0003	0.0011

Check ? Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1726.3	4723.8	32445.	5205.3
Stddev	2.9	4.0	147.	23.3
%RSD	.16768	.08408	.45393	.44829
#1	1724.4	4724.0	32614.	5178.4
#2	1729.7	4719.8	32378.	5218.4
#3	1724.9	4727.7	32343.	5219.2

Check ? Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

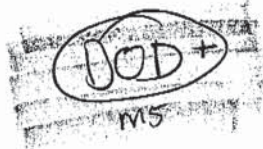
Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?		
Ag 328.068 {103}	<input checked="" type="checkbox"/>	3	V	-0.009834	0.000000	No		
			Fe	-0.000014	0.000000	No		
			Mg	0.000008	0.000000	No		
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.035224	0.000000	No		
As 189.042 {478}	<input checked="" type="checkbox"/>	5	Fe	-0.000081	0.000000	No		
			Cr	-0.000226	0.000000	No		
			Mo	-0.000017	0.000000	No		
			Al	0.000004	0.000000	No		
			Ca	0.000002	0.000000	No		
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000005	0.000000	No		
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000115	0.000000	No		
			Ti	-0.000059	0.000000	No		
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None						
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000089	0.000000	No		
			Ca	0.000001	0.000000	No		
			Al	-0.000001	0.000000	No		
			Ti	0.000151	0.000000	No		
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No		
			Ti	0.003012	0.000000	No		
			Fe	-0.000001	0.000000	No		
Cr 267.716 {126}	<input checked="" type="checkbox"/>	3	Al	0.000005	0.000000	No		
			Fe	-0.000012	0.000000	No		
			Ca	0.000002	0.000000	No		
			Mo	0.000528	0.000000	No		
			Sn	-0.000012	0.000000	No		
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	V	-0.000158	0.000000	No		
			Ti	-0.000251	0.000000	No		
			Al	0.000004	0.000000	No		
			Mg	0.000047	0.000000	No		
			Co	-0.000787	0.000000	No		
			Cd	0.000240	0.000000	No		
			Fe	-0.000017	0.000000	No		
			Mg	0.000004	0.000000	No		
			Fe	-0.000021	0.000000	No		
			Mo	-0.001012	0.000000	No		
Fe	-0.000044	0.000000	No					
In 230.606 {446}* K 766.490 { 44}	<input checked="" type="checkbox"/>	None	Co	-0.000054	0.000000	No		
			Mo	0.000005	0.000000	No		
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None						
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Sb	-0.000120	0.000000	No		
			Al	0.000003	0.000000	No		
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Be	-0.000269	0.000000	No		
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None	Tl	0.000440	0.000000	No		
			Al	0.000361	0.000000	No		
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000044	0.000000	No		
			Co	-0.000054	0.000000	No		
			Mo	0.000005	0.000000	No		
			Sb	-0.000120	0.000000	No		
			Al	0.000003	0.000000	No		
			Be	-0.000269	0.000000	No		
			Tl	0.000440	0.000000	No		
			Al	0.000361	0.000000	No		
			Fe	-0.000118	0.000000	No		
Pb 220.353 {453}	<input checked="" type="checkbox"/>	9	Mo	-0.001012	0.000000	No		
			Cu	0.001070	0.000000	No		
			Ti	0.000036	0.000000	No		
			Si	0.000071	0.000000	No		
			Ca	-0.000001	0.000000	No		
			Cr	0.000050	0.000000	No		
			Mg	0.000004	0.000000	No		

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Sb 206.833 {463}	<input checked="" type="checkbox"/>	10	Fe	0.000017	0.000000	No
			Cr	0.012140	0.000000	No
			Mo	-0.004076	0.000000	No
			V	-0.000611	0.000000	No
			Sn	-0.010736	0.000000	No
			Ti	0.000040	0.000000	No
			Ca	-0.000001	0.000000	No
			Ni	-0.000438	0.000000	No
			Mg	-0.000002	0.000000	No
			Al	0.000003	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	10	Fe	-0.000014	0.000000	No
			Ca	-0.000001	0.000000	No
			Mn	0.000574	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000010	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	0.000137	0.000000	No
			As	-0.000032	0.000000	No
			Be	0.000212	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.019120	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 { 83}	<input checked="" type="checkbox"/>	1	Ca	0.000017	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000007	0.000000	No
Ti 190.856 {477}	<input checked="" type="checkbox"/>	11	Co	0.001145	0.000000	No
			Fe	0.000017	0.000000	No
			Al	-0.000011	0.000000	No
			Ba	-0.000051	0.000000	No
			Ti	-0.002651	0.000000	No
			Sb	0.000012	0.000000	No
			Ca	0.000003	0.000000	No
			Cr	0.000230	0.000000	No
			Mg	-0.000003	0.000000	No
			Mn	0.000818	0.000000	No
			V	-0.038621	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000008	0.000000	No
			Cr	-0.002590	0.000000	No
			Mo	-0.005797	0.000000	No
			Ti	0.000364	0.000000	No
Mn	-0.000693	0.000000	No			
Y 224.306 {450}*	<input checked="" type="checkbox"/>	None				
Y 360.073 { 94}*	<input checked="" type="checkbox"/>	None				
Y 371.030 { 91}*	<input checked="" type="checkbox"/>	None				
Zn 206.200 {463}	<input checked="" type="checkbox"/>	5	Cr	-0.000965	0.000000	No
			Al	0.000005	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	0.000006	0.000000	No
			As	0.001128	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	-0.001237	0.759303	0.000000	1.000000
Al 396.152 { 85}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	-0.009504	0.158887	0.000000	1.000000
As 189.042 {478}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	-0.001031	0.364459	0.000000	1.000000
Ba 455.403 { 74}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	0.010666	12.616411	0.000000	1.000000
Be 313.042 {108}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	-0.000043	7.925204	0.000000	1.000000
Ca 317.933 {106}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	0.002920	0.253866	0.000000	1.000000
Cd 226.502 {449}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	-0.000674	6.190665	0.000000	1.000000
Co 228.616 {447}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	0.000154	2.782605	0.000000	1.000000
Cr 267.716 {126}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	0.000009	0.509335	0.000000	1.000000
Cu 324.754 {104}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	0.015058	0.792211	0.000000	1.000000
Fe 259.940 {130}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	0.002891	0.169437	0.000000	1.000000
In 230.606 {446}	4/12/2016 9:21:20	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	-0.006734	0.129772	0.000000	1.000000
Mg 279.079 {121}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	0.000031	0.026358	0.000000	1.000000
Mn 257.610 {131}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	0.000633	3.473283	0.000000	1.000000
Mo 202.030 {467}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	0.001667	1.423066	0.000000	1.000000
Na 589.592 { 57}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	-0.046806	0.361605	0.000000	1.000000
Ni 231.604 {445}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	-0.001558	1.953284	0.000000	1.000000
Pb 220.353 {453}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	-0.005181	1.469965	0.000000	1.000000
Sb 206.833 {463}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	0.000403	0.348469	0.000000	1.000000
Se 196.090 {472}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	-0.000562	0.277940	0.000000	1.000000
Si 212.412 {459}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	0.006896	0.500122	0.000000	1.000000
Sn 189.989 {477}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	0.000006	0.641649	0.000000	1.000000
Sr 407.771 { 83}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	0.001439	15.422425	0.000000	1.000000
Ti 334.941 {101}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	0.002410	2.019559	0.000000	1.000000
Tl 190.856 {477}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	-0.009155	0.657422	0.000000	1.000000
V 292.402 {115}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	-0.001052	0.737019	0.000000	1.000000
Y 224.306 {450}	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	4/12/2016 9:21:20	4/12/2016 8:44:02	Linear	1/Conc	0.002349	4.227374	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999981	0.000044	0.000489	0.001631	OK.	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999855	0.004366	0.010138	0.033793	OK.	1.000000	0.000000	1	0
As 189.042 {478}	0.999980	0.000184	0.000627	0.002092	OK.	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999984	0.005800	0.000182	0.000605	OK.	1.000000	0.000000	1	0
Be 313.042 {108}	0.999912	0.008452	0.000080	0.000266	OK.	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999802	0.008132	0.003014	0.010048	OK.	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999975	0.003523	0.000055	0.000182	OK.	1.000000	0.000000	1	0
Co 228.616 {447}	0.999971	0.001700	0.000131	0.000435	OK.	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999928	0.000493	0.000406	0.001352	OK.	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999893	0.000927	0.000385	0.001283	OK.	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999543	0.008255	0.002379	0.007931	OK.	1.000000	0.000000	1	0
In 230.606 {446}	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999507	0.006569	0.025262	0.084206	OK.	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999711	0.001020	0.018194	0.060646	OK.	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999872	0.004477	0.000056	0.000188	OK.	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999976	0.000800	0.000165	0.000550	OK.	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999568	0.017122	0.009294	0.030981	OK.	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999982	0.000951	0.000188	0.000625	OK.	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999956	0.001122	0.000604	0.002014	OK.	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999946	0.000291	0.001033	0.003444	OK.	1.000000	0.000000	1	0
Se 196.090 {472}	0.999982	0.000133	0.001243	0.004144	OK.	1.000000	0.000000	1	0
Si 212.412 {459}	0.999806	0.000809	0.000504	0.001681	OK.	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999988	0.000257	0.000294	0.000979	OK.	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999958	0.011440	0.000089	0.000298	OK.	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999985	0.000884	0.000168	0.000560	OK.	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999889	0.000757	0.000877	0.002922	OK.	1.000000	0.000000	1	0
V 292.402 {115}	0.999974	0.000428	0.000362	0.001208	OK.	1.000000	0.000000	1	0
Y 224.306 {450}	0.000000	0.000000	-1.000000	1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}	0.000000	0.000000	-1.000000	1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}	0.000000	0.000000	-1.000000	1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999949	0.003449	0.000059	0.000196	OK.	1.000000	0.000000	1	0

Accutest Laboratories SE Metals Digestion Log Water



Method of digestion(circle one): SW846-3010A / SW846-3005A / EPA 200.7 / SM3030C

MP #: 30076
 Prep Date/Time (mm/dd/yy 24:00): 03.08.16/0730
 HotBlock I.D. 5
 Thermometer I.D. 204
 Correction Factor (°C) -1
 Temperature Observed/Corrected (°C) 93.92
 Added^B: HNO₃
 Lot# 1115080

Volume
 Spk. Sol. ^A Used(ml) Pipette #
ACC920 0.50 10
ACC894 0.25 10
MET5330 0.25 10
 Dig. Tube Lot#: J22026A-261
 HCL
4115050

Sample #	Initial Volume(ml)	pH<2	Final Volume(ml)	Comments
Method Blank(MB)	50	N/A	50	
Spike Blank(SB)		N/A		
Matrix Spike(MS)		✓		
Matrix Spike Dup(MSD)		✓		
Duplicate(DUP)		✓		
1 QC ^C FA31919-1 91		✓		
2 FA31888-1 8		✓		
3 -4 4		✓		
4 -5 8		✓		
5 -6 10		✓		
6 -7 6		✓		
7 -8 6		✓		
8 -9 10		✓		
9 -10 6		✓		
10 -11 8		✓		
11 ✓ -12 10		✓		
12 FA31890-9 2		✓		
13 FA31929-31 1		✓		
14 FA31931-32 1		✓		
15 FA31932-4 3		✓		
16 FA31908-1 10		✓		
17 -3 10		✓		
18 ✓ -4 10		✓		
19 FA31923-1 7		✓		
20 ✓ -2 7	✓	✓	✓	
21 ^E				
22 ^E				
23 ^E				
24 ^E				

Analyst: James Jaurano Jr.
 QC Review: JJC

Date: 03.08.16
 Date: 3.8.16

A Used for SB, MS, MSD
 B For reagent volumes used consult SOP MET 103, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional matrix QC
 icpwaterdigestionlog091113.xls

9.3.1
9

5g
DRYSIEVE
DOD (ms)

Accutest Laboratories SE Metals Digestion Log Soil

MP #: 30234

Method of Digestion: SW846-3050B

Prep Date/Time (mm/dd/yy 24:00): 4/12/14 11:04
 HotBlock I.D. 6914CECW3279 Spk. Sol. ^A ACC 938 Volume Used(ml) 1.00 Pipette # 10
 Thermometer I.D. 213 ACC924 0.50 10
 Correction Factor (°C) -1 MetS377 0.25 10
 Temperature Observed/Corrected (°C) 94, 93 Filter Lot#: 150928009
 Balance I.D. ADVPRO 3 Dig. Tube Lot# ~~F220264~~ 201 1504103
 Added ^B: H₂O₂ HNO₃ HCL PTFE Boiling Chips
 Lot# 157487 115100 4115080 R263-SK012

Sample #	Wt. g	Final Volume(ml)	Comments
Method Blank(MB)	5.00	100.0	
Spike Blank(SB)	5.00		
Matrix Spike(MS)	5.23		
Matrix Spike Dup(MSD)	5.04		
Duplicate(DUP)	5.24		
1 QC ^C FA31884-1A ^D	5.22		
2 D2-FA31884-1A*2	5.29		
3 2	5.43		
4 SA	5.42		
5 8A	5.10		
6 11A	5.24		
7 14A	5.38		
8 17A	5.45		
9 26A	5.36		
10 29A	5.32		
11 33A	5.33		
12 FA31932-1A	5.06		
13 SA	5.09		
14 14A	5.23		
15 17A	5.33		
16 20A	5.13		
17 23A	5.31		
18 26A	5.06		
19 29A	5.16		
20			
21 ^E			4/12/14
22 ^E			
23 ^E			
24 ^E			DB

Analyst: D. Bon
 QC Review: [Signature]

Date: 4/12/14
 Date: 4.12.14

A Used for SB, MS, MSD
 B For reagent volumes used consult SOP MET 104, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional Matrix QC

icpsoildigestionlog012010.xls

Rev 01/20/10 DM

* DB 4/12/14

9.3.2
9

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*e-Hardcopy 2.0
Automated Report*

Technical Report for

Kemron Environmental Services, Inc

Ft Ord; CA

07202.2001

SGS Accutest Job Number: FA31998

Sampling Date: 03/03/16



Report to:

Kemron Environmental Services, Inc
4522 Joe Lloyd Way
Monterey, CA 93944
emiddleditch@gilbaneco.com

ATTN: Eric Middleditch

Total number of pages in report: 190



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

**Norm Farmer
Technical Director**

Client Service contact: Sue Bell 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001)
DoD ELAP (L-A-B L2229), CA (2937), TX (T104704404), PA (68-03573), VA (460177),
AK, AR, GA, KY, MA, NV, OK, UT, WA

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Test results relate only to samples analyzed.

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Sample Summary

Kemron Environmental Services, Inc

Job No: FA31998

Ft Ord; CA

Project No: 07202.2001

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
FA31998-1	03/03/16	09:25 RPTW	03/04/16	SO	Soil	03-06SC0000
FA31998-4	03/03/16	10:22 RPTW	03/04/16	SO	Soil	03-01SC0000
FA31998-5	03/03/16	10:22 RPTW	03/04/16	SO	Soil	03-01SC0000Q
FA31998-10	03/03/16	10:51 RPTW	03/04/16	AQ	Equipment Blank	03-ER10SC
FA31998-11	03/03/16	11:25 RPTW	03/04/16	SO	Soil	03-02SC0000
FA31998-14	03/03/16	08:20 RPTW	03/04/16	SO	Soil	02-29SC0000
FA31998-15	03/03/16	08:20 RPTW	03/04/16	SO	Soil	02-29SC0000Q
FA31998-20	03/03/16	09:05 RPTW	03/04/16	SO	Soil	02-28SC0000
FA31998-23	03/03/16	10:20 RPTW	03/04/16	SO	Soil	03-04SC0000
FA31998-26	03/03/16	11:00 RPTW	03/04/16	SO	Soil	03-03SC0000

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE



Client: Kemron Environmental Services, Inc

Job No: FA31998

Site: Ft Ord; CA

Report Date: 4/22/2016 1:17:27 PM

10 Sample(s) were collected on 03/03/2016 and were received at SGS Accutest Southeast (SASE) on 03/04/2016 properly preserved, at 3.6 Deg. C and intact. These Samples received an SASE job number of FA31998. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix: AQ

Batch ID: MP30097

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA32009-1DUP, FA32009-1MS, FA32009-1MSD, FA32009-1PS, FA32009-1SDL were used as the QC samples for metals.

Matrix: SO

Batch ID: MP30263

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA31998-1DUP, FA31998-1SDL, FA31998-1PS were used as the QC samples for metals.

MP30263-PS1 for Lead: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Kim Benham, Client Services (signature on file)

Date: April 22, 2016

Friday, April 22, 2016

Page 1 of 1

Summary of Hits

Job Number: FA31998
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 03/03/16



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA31998-1	03-06SC0000					
Lead		116	1.9	0.38	mg/kg	SW846 6010C
FA31998-4	03-01SC0000					
Lead		17.2	1.9	0.39	mg/kg	SW846 6010C
FA31998-5	03-01SC0000Q					
Lead		21.7	1.9	0.37	mg/kg	SW846 6010C
FA31998-10	03-ER10SC					
No hits reported in this sample.						
FA31998-11	03-02SC0000					
Lead		5.3	2.0	0.39	mg/kg	SW846 6010C
FA31998-14	02-29SC0000					
Lead		18.9	2.0	0.40	mg/kg	SW846 6010C
FA31998-15	02-29SC0000Q					
Lead		5.6	1.9	0.38	mg/kg	SW846 6010C
FA31998-20	02-28SC0000					
Lead		39.7	1.9	0.38	mg/kg	SW846 6010C
FA31998-23	03-04SC0000					
Lead		61.2	2.0	0.39	mg/kg	SW846 6010C
FA31998-26	03-03SC0000					
Lead		3.1	1.9	0.37	mg/kg	SW846 6010C

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: 03-06SC0000	Date Sampled: 03/03/16
Lab Sample ID: FA31998-1	Date Received: 03/04/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.1
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	116	1.9	0.38	0.094	mg/kg	5	04/21/16	04/21/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13104

(2) Prep QC Batch: MP30263

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 03-01SC0000	Date Sampled: 03/03/16
Lab Sample ID: FA31998-4	Date Received: 03/04/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.2
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	17.2	1.9	0.39	0.097	mg/kg	5	04/21/16	04/21/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13104

(2) Prep QC Batch: MP30263

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 03-01SC0000Q	Date Sampled: 03/03/16
Lab Sample ID: FA31998-5	Date Received: 03/04/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.3
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	21.7	1.9	0.37	0.093	mg/kg	5	04/21/16	04/21/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13104

(2) Prep QC Batch: MP30263

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 03-ER10SC	
Lab Sample ID: FA31998-10	Date Sampled: 03/03/16
Matrix: AQ - Equipment Blank	Date Received: 03/04/16
	Percent Solids: n/a
Project: Ft Ord; CA	

4.4
4

Total Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.0 U	5.0	2.0	1.1	ug/l	1	03/11/16	03/11/16 LM	SW846 6010C ¹	SW846 3010A ²

(1) Instrument QC Batch: MA13028
 (2) Prep QC Batch: MP30097

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 03-02SC0000	
Lab Sample ID: FA31998-11	Date Sampled: 03/03/16
Matrix: SO - Soil	Date Received: 03/04/16
	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.5
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	5.3	2.0	0.39	0.098	mg/kg	5	04/21/16	04/21/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13104

(2) Prep QC Batch: MP30263

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-29SC0000	
Lab Sample ID: FA31998-14	Date Sampled: 03/03/16
Matrix: SO - Soil	Date Received: 03/04/16
	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.6
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	18.9	2.0	0.40	0.099	mg/kg	5	04/21/16	04/21/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13104

(2) Prep QC Batch: MP30263

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-29SC0000Q	Date Sampled: 03/03/16
Lab Sample ID: FA31998-15	Date Received: 03/04/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.7
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	5.6	1.9	0.38	0.096	mg/kg	5	04/21/16	04/21/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13104

(2) Prep QC Batch: MP30263

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 02-28SC0000	Date Sampled: 03/03/16
Lab Sample ID: FA31998-20	Date Received: 03/04/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.8
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	39.7	1.9	0.38	0.095	mg/kg	5	04/21/16	04/21/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13104

(2) Prep QC Batch: MP30263

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 03-04SC0000	Date Sampled: 03/03/16
Lab Sample ID: FA31998-23	Date Received: 03/04/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.9
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	61.2	2.0	0.39	0.098	mg/kg	5	04/21/16	04/21/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13104

(2) Prep QC Batch: MP30263

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 03-03SC0000	Date Sampled: 03/03/16
Lab Sample ID: FA31998-26	Date Received: 03/04/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.10
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	3.1	1.9	0.37	0.093	mg/kg	5	04/21/16	04/21/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13104

(2) Prep QC Batch: MP30263

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Misc. Forms**5****Custody Documents and Other Forms**

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # RP-030316-01

FA31998



Project Name: Fort Ord	Project Number: 07202.2001	WBS Code: -	Laboratory: Accutest Laboratories, Orlando, FL
Point of contact: Sue Bell 813-741-3338 sueb@accutest.com		Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811	

Comments:	Equipment:	Analytical Test Method	SW8330B - Explosives	SW8070C - Lead	SW8330B - Explosives by ISM	SW8070C - Lead by ISM	Code Matrix
							SO SOIL
							Code Container/Preservative
							2 2" 1L amber, 4 degrees C
							1 1" 1.0-1.5 kilogram bag
							13 1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016										
Sample ID	Matrix	Date	Time	Samp Init.				Location ID	Sample Type	Depth (ft bgs) Top - Bottom
① 03-06SC0000	SO	3/3/16	0925	RP			X	03-06	N1	0.0 0.5
② 03-06SC0001	SO	3/3/16	0932	RP			X	03-06	N1	1.0 1.5 HOLD
③ 03-06SC0002	SO	3/3/16	0939	RP			X	03-06	N1	2.0 2.5 HOLD
④ 03-01SC0000	SO	3/3/16	1022	RP			X	03-01	N1	0.0 0.5
⑤ 03-01SC0000	SO	3/3/16	1022	RP			X	03-01	FD	0.0 0.5
⑥ 03-01SC0001	SO	3/3/16	1032	RP			X	03-01	N1	1.0 1.5 HOLD
⑦ 03-01SC0001	SO	3/3/16	1032	RP			X	03-01	FD	1.0 1.5 HOLD
⑧ 03-01SC0002	SO	3/3/16	1041	RP			X	03-01	N1	2.0 2.5 HOLD
⑨ 03-01SC0002	SO	3/3/16	1041	RP			X	03-01	FD	2.0 2.5 HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	3/3/16	1400				
<i>[Signature]</i>	3/3/16	1400	<i>[Signature]</i>	3-4-16	09:45	
Received by Laboratory: (Signature, Date, Time) & condition						

ENV COC Record
July 06, 2015

3.6 3.8

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CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd, Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # RP: 030316 - 02

FA31998



Project Name: Fort Ord	D V H Z L G H 5 D Q J H S V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001		Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - 5 5		Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method	SW6330B - Explosives	SW6010C - Lead	SW6330B - Explosives by ISM	SW6010C - Lead by ISM	Code	Matrix
							SO	SOIL
							WQ	WATER QUALITY CONTROL MATRIX
							Code	Container/Preservative
							2	2" 1L amber, 4 degrees C
							1	1" 1.0-1.5 kilogram bag
							13	1" 250ml poly, with HVO3

Event ID: Basewide Range Assessment Spring 2016

Sample ID	Matrix	Date	Time	Samp Init.	X	X	X	X	Location ID	Sample Type	Depth (ft bgs)	
											Top	Bottom
03-ERIOSC	WQ	3/3/16	1051	RP	X				Field QC	FB	NA	NA
03-02SC0000	SO	3/3/16	1125	RP			X		03-02	NI	0.0	0.5
03-02SC0001	SO	3/3/16	1131	RP			X		03-02	NI	1.0	1.5
03-02SC0002	SO	3/3/16	1137	RP			X		03-02	NI	2.0	2.5
02-29SC0000	SO	3/3/16	0820	TW			X		02-29	NI	0.0	0.5
02-29SC0001	SO	3/3/16	0820	TW			X		02-29	FD	0.0	0.5
02-29SC0002	SO	3/3/16	0840	TW			X		02-29	NI	1.0	1.5
02-29SC0001	SO	3/3/16	0840	TW			X		02-29	FD	1.0	1.5
02-29SC0002	SO	3/3/16	0850	TW			X		02-29	NI	2.0	2.5

HOLD
HOLD
HOLD
HOLD
HOLD
HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	3/3/16	1400				
<i>[Signature]</i>	3/3/16	1400	FX			
FX			J. Cornell (AISE)	3-4-16	09:45	
						Received by Laboratory: (Signature, Date, Time) & condition

ENV COC Record July 06, 2015

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CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # RP-030316-03

FA31998



Project Name: Fort Ord	D V H Z L G H 5 D Q J H S V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001		Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - - - - 5 S		Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW8330B - Explosives SW8010C - Lead SW8330B - Explosives by ISM SW8010C - Lead by ISM	Code Matrix
			Code Container/Preservative
			SO SOIL
			WQ WATER QUALITY CONTROL MATRIX
			2 2" 1L amber, 4 degrees C
			1 1" 1.0-1.5 kilogram bag
			13 1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016												
Sample ID	Matrix	Date	Time	Samp Inlt.				Location ID	Sample Type	Depth (ft bgs) Top - Bottom		
02-29SC0002Q	SO	03/03/16	0850	TW			X	02-29	FD	2.0	2.5	HOLD
02-28SC0000	SO	3/3/16	0905	TW			X	02-28	N1	0.0	0.5	
02-28SC0001	SO	3/3/16	0920	TW			X	02-28	N1	1.0	1.5	HOLD
02-28SC0002	SO	3/3/16	0935	TW			X	02-28	N1	2.0	2.5	HOLD
03-04SC0000	SO	3/3/16	1020	TW			X	03-04	N1	0.0	0.5	
03-04SC0001	SO	3/3/16	1030	TW			X	03-04	N1	1.0	1.5	HOLD
03-04SC0002	SO	3/3/16	1045	TW			X	03-04	N1	2.0	2.5	HOLD
03-03SC0000	SO	3/3/16	1100	TW			X	03-03	N1	0.0	0.5	
03-03SC0001	SO	3/3/16	1110	TW			X	03-03	N1	1.0	1.5	HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	3/3/16	1400				
<i>[Signature]</i>	3/3/16	1400	<i>[Signature]</i>			
			<i>[Signature]</i>	3-4-16	09:45	

ENV COC Record
July 06, 2015

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CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227,
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # RP: 030316-04

FA31998 **Gilbane**

Project Name: Fort Ord	D V H Z L G H S D Q J H S V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001		Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: -	5	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW8330B - Explosives SW6010C - Lead SW8330B - Explosives by ISM SW6010C - Lead by ISM	Code Matrix
			SO SOIL
			WQ WATER QUALITY CONTROL MATRIX
			Code Container/Preservative
			2 2" 1L amber, 4 degrees C
			1 1" 1.0-1.5 kilogram bag
			13 1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016

Sample ID	Matrix	Date	Time	Samp Init.	Location ID	Sample Type	Depth (ft bgs)	
							Top	Bottom
X 03-03SC0002	SO	3/3/16	1120	TW	03-03	N1	2.0	2.5
2								
3								
4								
5								
6								
7								
8								
9								

Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	3/3/16	1400				
P. White	3/3/16	1400	FX			
FX			J. Coppe (A&E)	3-4-16	09:45	

Received by Laboratory: (Signature, Date, Time) & condition

ENV.COC_Record
July 06, 2015

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FA31998: Chain of Custody
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ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA31998 CLIENT: GILBANE PROJECT: FORT ORD
 DATE/TIME RECEIVED: 3-4-16 09:45 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 2
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER DELIVERY OTHER: _____
 AIRBILL NUMBERS: 8088 8917 3486

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM _____ 5-GRAM _____
 NUMBER OF 5035 FIELD KITS ? _____
 NUMBER OF LAB FILTERED METALS ? _____
 TEST STRIP LOT#s pH 0-3 204413A pH 10-12 219813A OTHER (specify) _____

TEMPERATURE INFORMATION

- IR THERM ID 1 CORR. FACTOR 10.2
- OBSERVED TEMPS: 3.4 3.6
- CORRECTED TEMPS: 3.6 3.8 (USED FOR LIMS)

SAMPLE INFORMATION

- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- % SOLIDS JAR NOT RECEIVED
- RESIDUAL CHLORINE PRESENT LOT# _____

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

SUMMARY OF COMMENTS: _____

TECHNICIAN SIGNATURE/DATE JC 3-7-16 REVIEWER SIGNATURE/DATE Jay Jay 3-7-16
 NF 11/15 receipt confirmation 111015.xls

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2 of 2
MPS# 7825 1556 3541
0681
Metr# 8088 8917 3486

FRI - 04 MAR 10:30A
PRIORITY OVERNIGHT

XH TIXA

0215

AHS
32811
FL-US MCO



QC Evaluation: DOD QSM5 Limits

Job Number: FA31998
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 03/03/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MP30097 SW846 6010C							
MP30097-B1	7439-92-1	Lead	BSP	REC	103.4	%	86-113
MP30097-S1*	7439-92-1	Lead	MS	REC	104.8	%	86-113
MP30097-S2*	7439-92-1	Lead	MSD	REC	105	%	86-113
MP30097-S2*	7439-92-1	Lead	MSD	RPD	.2	%	20
MP30097-D1*	7439-92-1	Lead	DUP	RPD	0	%	20
MP30263 SW846 6010C							
MP30263-B1	7439-92-1	Lead	BSP	REC	101	%	81-112
MP30263-D1	7439-92-1	Lead	DUP	RPD	3.4	%	20
MP30263-D2	7439-92-1	Lead	DUP	RPD	14.4	%	20

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* Sample used for QC is not from job FA31998

Metals Analysis

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QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31998
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13028
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
04:50	MA13028-STD1	1		STDA
04:54	MA13028-STD2	1		STDB
04:57	MA13028-STD3	1		STDC
05:01	MA13028-STD4	1		STDD
05:05	MA13028-HSTD1	1		
05:09	MA13028-ICV1	1		
05:14	MA13028-ICB1	1		
05:18	MA13028-CR1A1	1		
05:27	MA13028-ICSA1	1		
05:32	MA13028-ICSAB1	1		
05:38	MA13028-CCV1	1		
05:43	MA13028-CCB1	1		
05:47	MP30093-MB1	1		
05:51	MP30093-B1	1		
05:55	FA32070-3	2		(sample used for QC only; not part of login FA31998)
06:00	MP30093-D1	2		
06:04	MP30093-SD1	10		
06:09	MP30093-PS1	2		
06:13	MP30093-S1	2		
06:18	MP30093-S2	2		
06:22	ZZZZZZ	2		
06:27	ZZZZZZ	2		
06:31	MA13028-CCV2	1		
06:35	MA13028-CCB2	1		
06:40	ZZZZZZ	2		
06:44	ZZZZZZ	2		
06:49	ZZZZZZ	2		
06:53	ZZZZZZ	2		
06:58	ZZZZZZ	2		
07:03	ZZZZZZ	2		
07:07	ZZZZZZ	2		
07:12	ZZZZZZ	2		
07:16	ZZZZZZ	2		

6.1
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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31998
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 03/11/16
Run ID: MA13028
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:21	ZZZZZZ	2		
07:25	MA13028-CCV3	1		
07:30	MA13028-CCB3	1		
07:34	ZZZZZZ	2		
07:39	ZZZZZZ	2		
07:43	ZZZZZZ	2		
07:48	ZZZZZZ	2		
07:52	ZZZZZZ	2		
07:57	ZZZZZZ	2		
08:01	ZZZZZZ	2		
08:06	MP30094-MB1	1		
08:10	MP30094-B1	1		
08:15	FA32068-9	2		(sample used for QC only; not part of login FA31998)
08:19	MA13028-CCV4	1		
08:23	MA13028-CCB4	1		
08:28	MP30094-D1	2		
08:32	MP30094-SD1	10		
08:37	MP30094-PS1	2		
08:41	MP30094-S1	2		
08:46	MP30094-S2	2		
08:50	ZZZZZZ	2		
08:55	ZZZZZZ	2		
08:59	ZZZZZZ	2		
09:04	ZZZZZZ	2		
09:09	ZZZZZZ	2		
09:13	MA13028-CCV5	1		
09:17	MA13028-CCB5	1		
09:22	ZZZZZZ	2		
09:26	ZZZZZZ	2		
09:31	ZZZZZZ	2		
09:36	ZZZZZZ	2		
09:40	ZZZZZZ	2		
09:45	ZZZZZZ	2		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31998
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 03/11/16
Run ID: MA13028
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:49	ZZZZZZ	2		
09:54	ZZZZZZ	2		
09:59	ZZZZZZ	2		
10:03	ZZZZZZ	2		
10:08	MA13028-CCV6	1		
10:12	MA13028-CCB6	1		
10:16	ZZZZZZ	2		
10:21	ZZZZZZ	2		
10:26	ZZZZZZ	2		
10:33	ZZZZZZ	2		
11:04	MA13028-CCV7	1		
11:08	MA13028-CCB7	1		
13:23	MA13028-CCV8	1		
13:27	MA13028-CCB8	1		
13:40	MP30097-MB1	1		
13:45	MP30097-B1	1		
13:49	FA32009-1	1		(sample used for QC only; not part of login FA31998)
13:54	MP30097-D1	1		
13:58	MP30097-SD1	5		
14:02	MP30097-PS1	1		
14:07	MP30097-S1	1		
14:11	MP30097-S2	1		
14:15	MA13028-CCV9	1		
14:19	MA13028-CCB9	1		
14:24	ZZZZZZ	1		
14:28	ZZZZZZ	1		
14:33	ZZZZZZ	1		
14:37	ZZZZZZ	1		
14:42	ZZZZZZ	1		
14:46	ZZZZZZ	1		
14:51	ZZZZZZ	1		
14:55	ZZZZZZ	1		
14:59	ZZZZZZ	1		

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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31998
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13028
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:04	ZZZZZZ	1		
15:08	MA13028-CCV10	1		
15:13	MA13028-CCB10	1		
15:17	ZZZZZZ	1		
15:21	ZZZZZZ	1		
15:26	ZZZZZZ	1		
15:30	ZZZZZZ	1		
15:35	ZZZZZZ	1		
15:39	ZZZZZZ	1		
15:44	FA31998-10	1		
----->	Last reportable sample/prep for job FA31998			
15:48	ZZZZZZ	1		
15:53	ZZZZZZ	1		
16:02	MA13028-CCV11	1		
16:06	MA13028-CCB11	1		
16:10	MP30101-MB1	1		
16:15	MP30101-B1	1		
16:19	FA32072-7	2		(sample used for QC only; not part of login FA31998)
16:24	MP30101-D1	2		
16:28	MP30101-SD1	10		
16:33	MP30101-PS1	2		
16:37	MP30101-S1	2		
16:42	MP30101-S2	2		
16:46	ZZZZZZ	2		
16:51	ZZZZZZ	2		
16:56	MA13028-CCV12	1		
17:00	MA13028-CCB12	1		
17:04	ZZZZZZ	2		
17:09	ZZZZZZ	2		
17:13	ZZZZZZ	2		
17:18	ZZZZZZ	2		
17:23	ZZZZZZ	2		
17:27	ZZZZZZ	2		
17:32	ZZZZZZ	2		

6.1
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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31998
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 03/11/16
Run ID: MA13028
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:36	ZZZZZZ	2		
17:41	ZZZZZZ	2		
17:46	ZZZZZZ	2		
17:50	MA13028-CCV13	1		
17:54	MA13028-CCB13	1		
17:59	ZZZZZZ	2		
18:04	ZZZZZZ	2		
18:08	ZZZZZZ	2		
18:13	ZZZZZZ	2		
18:17	ZZZZZZ	2		
18:22	ZZZZZZ	2		
18:27	ZZZZZZ	2		
18:31	MP30098-MB1	1		
18:36	MP30098-B1	1		
18:40	FA32075-11	2		(sample used for QC only; not part of login FA31998)
18:45	MA13028-CCV14	1		
18:49	MA13028-CCB14	1		
18:53	MP30098-D1	2		
18:58	MP30098-SD1	10		
19:02	MP30098-PS1	2		
19:07	MP30098-S1	2		
19:12	MP30098-S2	2		
19:16	ZZZZZZ	2		
19:21	ZZZZZZ	2		
19:25	ZZZZZZ	2		
19:30	ZZZZZZ	2		
19:35	ZZZZZZ	2		
19:39	MA13028-CCV15	1		
19:43	MA13028-CCB15	1		
19:48	ZZZZZZ	2		
19:53	ZZZZZZ	2		
19:57	ZZZZZZ	2		
20:02	ZZZZZZ	2		

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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31998
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 03/11/16
Run ID: MA13028
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:06	ZZZZZZ	2		
20:11	ZZZZZZ	2		
20:16	ZZZZZZ	2		
20:20	ZZZZZZ	2		
20:25	ZZZZZZ	2		
20:29	ZZZZZZ	2		
20:34	MA13028-CCV16	1		
20:38	MA13028-CCB16	1		
20:43	ZZZZZZ	2		
20:47	ZZZZZZ	2		
20:52	ZZZZZZ	2		
20:56	ZZZZZZ	2		
21:01	MA13028-CRIA2	1		
21:05	MA13028-ICSA2	1		
21:10	MA13028-ICSAB2	1		
21:15	MA13028-CCV17	1		
21:19	MA13028-CCB17	1		
-----> Last reportable CCB for job FA31998				
Refer to raw data for calibration curve and standards.				

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INTERNAL STANDARD SUMMARY

Login Number: FA31998
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13028
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
04:50	MA13028-STD1	5592	42512	3752	2922
04:54	MA13028-STD2	5495	41388	3709	2700
04:57	MA13028-STD3	5343	40820	3767	2500
05:01	MA13028-STD4	5134	39813	3743	2312
05:05	MA13028-HSTD1	5108	39758	3746	2303
05:09	MA13028-ICV1	5290	40809	3787	2488
05:14	MA13028-ICB1	5598 R	43435 R	3884 R	2945 R
05:18	MA13028-CR1A1	5417	41670	3817	2758
05:27	MA13028-ICSA1	4876	36095	3481	2209
05:32	MA13028-ICSAB1	4816	35780	3429	2154
05:38	MA13028-CCV1	5202	39996	3719	2453
05:43	MA13028-CCB1	5602	43300	3891	2956
05:47	MP30093-MB1	5513	43426	3874	2918
05:51	MP30093-B1	5338	41061	3765	2586
05:55	FA32070-3	6601	50321	4716	2465
06:00	MP30093-D1	6514	49491	4625	2426
06:04	MP30093-SD1	5728	43733	4001	2683
06:09	MP30093-PS1	6559	49735	4647	2469
06:13	MP30093-S1	6415	48755	4522	2449
06:18	MP30093-S2	6498	49650	4652	2399
06:22	ZZZZZZ	6509	49511	4563	2467
06:27	ZZZZZZ	6407	48277	4460	2494
06:31	MA13028-CCV2	5149	39792	3607	2427
06:35	MA13028-CCB2	5395	41826	3725	2852
06:40	ZZZZZZ	6217	47052	4400	2426
06:44	ZZZZZZ	6269	48061	4427	2505
06:49	ZZZZZZ	6409	49149	4498	2491
06:53	ZZZZZZ	6256	47919	4396	2467
06:58	ZZZZZZ	6334	48132	4434	2504
07:03	ZZZZZZ	6457	49040	4475	2480
07:07	ZZZZZZ	6153	47076	4340	2385
07:12	ZZZZZZ	6384	48631	4457	2453
07:16	ZZZZZZ	6447	49263	4521	2477

INTERNAL STANDARD SUMMARY

Login Number: FA31998
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13028
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:21	ZZZZZZ	6671	51427	4725	2525
07:25	MA13028-CCV3	5168	40468	3697	2441
07:30	MA13028-CCB3	5496	42945	3798	2915
07:34	ZZZZZZ	6706	51489	4723	2465
07:39	ZZZZZZ	6951	53501	4880 !	2501
07:43	ZZZZZZ	7135 !	55230 !	5062 !	2464
07:48	ZZZZZZ	6340	49489	4574	2464
07:52	ZZZZZZ	6249	48547	4452	2543
07:57	ZZZZZZ	6519	51223	4674	2496
08:01	ZZZZZZ	6775	52696	4888 !	2478
08:06	MP30094-MB1	5554	44486	3930	2960
08:10	MP30094-B1	5301	41454	3759	2594
08:15	FA32068-9	6064	47087	4345	2493
08:19	MA13028-CCV4	5220	41079	3739	2482
08:23	MA13028-CCB4	5467	43150	3796	2913
08:28	MP30094-D1	6105	47792	4382	2530
08:32	MP30094-SD1	5602	43595	3905	2728
08:37	MP30094-PS1	6033	46943	4291	2468
08:41	MP30094-S1	6009	46829	4326	2455
08:46	MP30094-S2	6022	47271	4379	2462
08:50	ZZZZZZ	6419	50353	4648	2508
08:55	ZZZZZZ	6391	49934	4634	2524
08:59	ZZZZZZ	6597	51586	4810	2511
09:04	ZZZZZZ	6550	51208	4707	2547
09:09	ZZZZZZ	6561	51939	4773	2494
09:13	MA13028-CCV5	5233	41616	3852	2495
09:17	MA13028-CCB5	5482	43621	3838	2927
09:22	ZZZZZZ	6272	49120	4510	2499
09:26	ZZZZZZ	6051	47481	4378	2477
09:31	ZZZZZZ	5973	47137	4355	2478
09:36	ZZZZZZ	6724	52910	4899 !	2478
09:40	ZZZZZZ	6842	53940	4992 !	2503
09:45	ZZZZZZ	6863	54092	5023 !	2484

INTERNAL STANDARD SUMMARY

Login Number: FA31998
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13028
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:49	ZZZZZZ	6006	47594	4429	2501
09:54	ZZZZZZ	6443	52035	4777	2546
09:59	ZZZZZZ	6644	52992	4905 !	2516
10:03	ZZZZZZ	6176	48778	4589	2462
10:08	MA13028-CCV6	5161	41232	3797	2472
10:12	MA13028-CCB6	5557	43983	3854	2966
10:16	ZZZZZZ	6391	50389	4644	2506
10:21	ZZZZZZ	6284	49585	4516	2507
10:26	ZZZZZZ	6508	51013	4698	2469
10:33	ZZZZZZ	6387	50103	4621	2487
11:04	MA13028-CCV7	5107	40618	3774	2435
11:08	MA13028-CCB7	5388	43011	3821	2876
13:23	MA13028-CCV8	5086	39617	3603	2393
13:27	MA13028-CCB8	5334	41846	3682	2808
13:40	MP30097-MB1	5328	42109	3657	2787
13:45	MP30097-B1	5146	39995	3577	2506
13:49	FA32009-1	5242	40540	3597	2569
13:54	MP30097-D1	5274	41030	3654	2585
13:58	MP30097-SD1	5351	41618	3680	2744
14:02	MP30097-PS1	5224	40447	3605	2534
14:07	MP30097-S1	5116	39480	3546	2415
14:11	MP30097-S2	5140	39934	3643	2419
14:15	MA13028-CCV9	5059	39620	3586	2395
14:19	MA13028-CCB9	5329	41734	3670	2830
14:24	ZZZZZZ	5118	39926	3616	2551
14:28	ZZZZZZ	5167	40722	3636	2637
14:33	ZZZZZZ	5103	39724	3597	2563
14:37	ZZZZZZ	5055	39422	3601	2493
14:42	ZZZZZZ	4892	38029	3540	2412
14:46	ZZZZZZ	5179	40906	3644	2682
14:51	ZZZZZZ	5229	41076	3626	2701
14:55	ZZZZZZ	5236	41180	3647	2680
14:59	ZZZZZZ	5260	41376	3692	2674

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INTERNAL STANDARD SUMMARY

Login Number: FA31998
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13028
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:04	ZZZZZZ	5187	40900	3705	2630
15:08	MA13028-CCV10	4978	39094	3579	2374
15:13	MA13028-CCB10	5316	41970	3721	2816
15:17	ZZZZZZ	5102	40244	3649	2590
15:21	ZZZZZZ	5144	39996	3616	2601
15:26	ZZZZZZ	5325	42594	3732	2819
15:30	ZZZZZZ	5336	42612	3797	2809
15:35	ZZZZZZ	5283	42183	3718	2788
15:39	ZZZZZZ	5204	41251	3718	2680
15:44	FA31998-10	5154	40885	3705	2647
15:48	ZZZZZZ	5093	40339	3663	2619
15:53	ZZZZZZ	5136	40660	3679	2645
16:02	MA13028-CCV11	5011	39597	3697	2399
16:06	MA13028-CCB11	5243	41349	3681	2792
16:10	MP30101-MB1	5259	42331	3768	2818
16:15	MP30101-B1	5065	40212	3717	2493
16:19	FA32072-7	5847	46187	4339	2426
16:24	MP30101-D1	5907	45996	4310	2421
16:28	MP30101-SD1	5369	42446	3885	2627
16:33	MP30101-PS1	5821	46090	4338	2403
16:37	MP30101-S1	5708	45184	4230	2352
16:42	MP30101-S2	5607	45807	4302	2295
16:46	ZZZZZZ	6415	51104	4869 !	2453
16:51	ZZZZZZ	6024	48607	4621	2443
16:56	MA13028-CCV12	4933	40140	3784	2402
17:00	MA13028-CCB12	5276	43019	3938	2853
17:04	ZZZZZZ	6334	51127	4921 !	2430
17:09	ZZZZZZ	6349	50750	4817	2427
17:13	ZZZZZZ	5772	46671	4463	2434
17:18	ZZZZZZ	5847	47207	4507	2450
17:23	ZZZZZZ	6137	49667	4584	2424
17:27	ZZZZZZ	5887	47488	4528	2426
17:32	ZZZZZZ	5776	46974	4517	2413

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INTERNAL STANDARD SUMMARY

Login Number: FA31998
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13028
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:36	ZZZZZZ	5824	46615	4405	2405
17:41	ZZZZZZ	5915	45429	4537	2397
17:46	ZZZZZZ	5961	48524	4688	2448
17:50	MA13028-CCV13	5012	40538	3797	2433
17:54	MA13028-CCB13	5203	42254	3800	2821
17:59	ZZZZZZ	5751	46322	4384	2436
18:04	ZZZZZZ	6013	48566	4637	2432
18:08	ZZZZZZ	6062	48288	4537	2457
18:13	ZZZZZZ	6008	48271	4538	2421
18:17	ZZZZZZ	6238	49781	4698	2429
18:22	ZZZZZZ	5634	45064	4206	2475
18:27	ZZZZZZ	5924	47538	4482	2434
18:31	MP30098-MB1	5297	43659	3943	2873
18:36	MP30098-B1	5076	40883	3715	2536
18:40	FA32075-11	5840	46879	4315	2458
18:45	MA13028-CCV14	4995	40399	3741	2401
18:49	MA13028-CCB14	5280	42925	3859	2833
18:53	MP30098-D1	5876	46847	4311	2464
18:58	MP30098-SD1	5345	42738	3872	2641
19:02	MP30098-PS1	5808	46834	4340	2435
19:07	MP30098-S1	5950	48080	4519	2378
19:12	MP30098-S2	5710	45864	4256	2398
19:16	ZZZZZZ	6167	49652	4610	2453
19:21	ZZZZZZ	6163	49509	4647	2465
19:25	ZZZZZZ	5885	47335	4478	2423
19:30	ZZZZZZ	5992	48012	4473	2425
19:35	ZZZZZZ	5700	45861	4271	2469
19:39	MA13028-CCV15	4916	39807	3734	2379
19:43	MA13028-CCB15	5219	41967	3752	2803
19:48	ZZZZZZ	6141	49144	4597	2395
19:53	ZZZZZZ	5900	47769	4509	2401
19:57	ZZZZZZ	6007	48912	4507	2472
20:02	ZZZZZZ	6098	48670	4514	2465

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INTERNAL STANDARD SUMMARY

Login Number: FA31998
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13028
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
20:06	ZZZZZZ	5939	47844	4470	2434
20:11	ZZZZZZ	5839	47724	4499	2451
20:16	ZZZZZZ	6049	48587	4553	2446
20:20	ZZZZZZ	5965	47766	4463	2452
20:25	ZZZZZZ	6078	49020	4635	2425
20:29	ZZZZZZ	6277	50287	4675	2428
20:34	MA13028-CCV16	4959	40146	3697	2404
20:38	MA13028-CCB16	5191	42421	3793	2804
20:43	ZZZZZZ	6324	51023	4795	2440
20:47	ZZZZZZ	6203	49453	4603	2428
20:52	ZZZZZZ	6403	51493	4829	2490
20:56	ZZZZZZ	6433	51735	4857 !	2433
21:01	MA13028-CRIA2	5132	40998	3684	2685
21:05	MA13028-ICSA2	4572	36273	3541	2144
21:10	MA13028-ICSAB2	4496	35437	3427	2070
21:15	MA13028-CCV17	4881	39427	3612	2366
21:19	MA13028-CCB17	5172	42029	3740	2787

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

<u>Istd#</u>	<u>Parameter</u>	<u>Limits</u>
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.1.1
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BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31998
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/11/16
 Run ID: MA13028

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		05:14		05:43		06:35		07:30		
	Sample ID:	RL	IDL	ICB1	final	CCB1	final	CCB2	final	CCB3	final
Aluminum	200	14									
Antimony	6.0	1	anr								
Arsenic	10	1.3	anr								
Barium	200	1	anr								
Beryllium	4.0	.2									
Cadmium	5.0	.2	anr								
Calcium	1000	50									
Chromium	10	1	anr								
Cobalt	50	.2									
Copper	25	1	anr								
Iron	300	17	anr								
Lead	5.0	1	0.60	<5.0	0.50	<5.0	0.20	<5.0	0.70	<5.0	
Magnesium	5000	35									
Manganese	15	.5	anr								
Molybdenum	50	.3									
Nickel	40	.4									
Potassium	10000	200									
Selenium	10	2.4	anr								
Silver	10	.7	anr								
Sodium	10000	500									
Strontium	10	.5									
Thallium	10	1.1									
Tin	50	.9									
Titanium	10	.5									
Vanadium	50	.5									
Zinc	20	3	anr								

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
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BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31998
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/11/16
 Run ID: MA13028

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		08:23		09:17		10:12		11:08		
	Sample ID:	RL	IDL	CCB4	final	CCB5	final	CCB6	final	CCB7	final
Aluminum		200	14								
Antimony		6.0	1	anr							
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2								
Cadmium		5.0	.2	anr							
Calcium		1000	50								
Chromium		10	1	anr							
Cobalt		50	.2								
Copper		25	1	anr							
Iron		300	17	anr							
Lead		5.0	1	0.0	<5.0	-0.10	<5.0	0.20	<5.0	-0.10	<5.0
Magnesium		5000	35								
Manganese		15	.5	anr							
Molybdenum		50	.3								
Nickel		40	.4								
Potassium		10000	200								
Selenium		10	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500								
Strontium		10	.5								
Thallium		10	1.1								
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31998
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/11/16
 Run ID: MA13028

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	13:27 CCB8		14:19 CCB9		15:13 CCB10		16:06 CCB11	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14								
Antimony		6.0	1	anr							
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2								
Cadmium		5.0	.2	anr							
Calcium		1000	50								
Chromium		10	1	anr							
Cobalt		50	.2								
Copper		25	1	anr							
Iron		300	17	anr							
Lead		5.0	1	-0.40	<5.0	-0.40	<5.0	-0.60	<5.0	-0.20	<5.0
Magnesium		5000	35								
Manganese		15	.5	anr							
Molybdenum		50	.3								
Nickel		40	.4								
Potassium		10000	200								
Selenium		10	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500								
Strontium		10	.5								
Thallium		10	1.1								
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31998
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/11/16
 Run ID: MA13028

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	17:00 CCB12		17:54 CCB13		18:49 CCB14		19:43 CCB15	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14								
Antimony		6.0	1	anr							
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2								
Cadmium		5.0	.2	anr							
Calcium		1000	50								
Chromium		10	1	anr							
Cobalt		50	.2								
Copper		25	1	anr							
Iron		300	17	anr							
Lead		5.0	1	-0.30	<5.0	-0.30	<5.0	-0.10	<5.0	-0.30	<5.0
Magnesium		5000	35								
Manganese		15	.5	anr							
Molybdenum		50	.3								
Nickel		40	.4								
Potassium		10000	200								
Selenium		10	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500								
Strontium		10	.5								
Thallium		10	1.1								
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31998
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/11/16
 Run ID: MA13028

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		20:38		21:19			
	Sample ID:	RL	IDL	CCB16	raw	final	raw	final
Aluminum		200	14					
Antimony		6.0	1	anr				
Arsenic		10	1.3	anr				
Barium		200	1	anr				
Beryllium		4.0	.2					
Cadmium		5.0	.2	anr				
Calcium		1000	50					
Chromium		10	1	anr				
Cobalt		50	.2					
Copper		25	1	anr				
Iron		300	17	anr				
Lead		5.0	1	-0.60	<5.0	-0.60	<5.0	
Magnesium		5000	35					
Manganese		15	.5	anr				
Molybdenum		50	.3					
Nickel		40	.4					
Potassium		10000	200					
Selenium		10	2.4	anr				
Silver		10	.7	anr				
Sodium		10000	500					
Strontium		10	.5					
Thallium		10	1.1					
Tin		50	.9					
Titanium		10	.5					
Vanadium		50	.5					
Zinc		20	3	anr				

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31998
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13028 Units: ug/l

Metal	Time:		05:09		05:38		06:31			
	Sample ID:	ICV	ICV1	CCV	CCV1	CCV	CCV2			
		True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum										
Antimony	anr									
Arsenic	anr									
Barium	anr									
Beryllium										
Cadmium	anr									
Calcium										
Chromium	anr									
Cobalt										
Copper	anr									
Iron	anr									
Lead	2000	2000	2000	100.0	2000	2050	102.5	2000	2090	104.5
Magnesium										
Manganese	anr									
Molybdenum										
Nickel										
Potassium										
Selenium	anr									
Silver	anr									
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc	anr									

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31998
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13028 Units: ug/l

Metal	Sample ID	Time: CCV	07:25 CCV3		08:19 CCV4		09:13 CCV5		
			Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	2000	2080	104.0	2000	2030	101.5	2000	2020	101.0
Magnesium									
Manganese	anr								
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31998
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13028 Units: ug/l

Metal	Sample ID	CCV	10:08		11:04		13:23		
			CCV6	Results	CCV7	Results	CCV8	Results	
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	2000	2020	101.0	2000	2030	101.5	2000	2010	100.5
Magnesium									
Manganese	anr								
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31998
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13028 Units: ug/l

Metal	Sample ID	Time: CCV	14:15		15:08		16:02		
			CCV9	Results	CCV10	Results	CCV11	Results	
		True		% Rec	True	% Rec	True	% Rec	
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	2000	2020	101.0	2000	2030	101.5	2000	1990	99.5
Magnesium									
Manganese	anr								
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31998
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13028 Units: ug/l

Metal	Sample ID	CCV	16:56		CCV	17:50		CCV	18:45	
			CCV12	Results		CCV13	Results		CCV14	Results
		True		% Rec	True		% Rec	True		% Rec
Aluminum										
Antimony	anr									
Arsenic	anr									
Barium	anr									
Beryllium										
Cadmium	anr									
Calcium										
Chromium	anr									
Cobalt										
Copper	anr									
Iron	anr									
Lead	2000	1980	99.0	2000	1960	98.0	2000	2000	100.0	
Magnesium										
Manganese	anr									
Molybdenum										
Nickel										
Potassium										
Selenium	anr									
Silver	anr									
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc	anr									

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31998
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13028 Units: ug/l

Metal	Sample ID	CCV	19:39		20:34		21:15		
			CCV15	Results	CCV16	Results	CCV17	Results	
		True		% Rec	True	% Rec	True	% Rec	
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	2000	2030	101.5	2000	2010	100.5	2000	2050	102.5
Magnesium									
Manganese	anr								
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA31998
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13028 Units: ug/l

Time:	05:05
Sample ID:	HSTD1
Metal	True
Results	% Rec

Aluminum			
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium	anr		
Calcium			
Chromium	anr		
Cobalt			
Copper	anr		
Iron	anr		
Lead	4000	4050	101.3
Magnesium			
Manganese	anr		
Molybdenum			
Nickel			
Potassium			
Selenium	anr		
Silver	anr		
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA31998
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13028 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	05:18 CRIA1 Results	% Rec	21:01 CRIA2 Results	% Rec
Metal						
Aluminum	400	200				
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0	anr			
Calcium	2000	1000				
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	5.2	104.0	4.8	96.0
Magnesium	10000	5000				
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000				
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000				
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA31998
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13028 Units: ug/l

Time:	ICSA	ICSAB	05:27		05:32		21:05		21:10	
Sample ID:	True	True	ICSAB1	% Rec	ICSAB1	% Rec	ICSAB2	% Rec	ICSAB2	% Rec
Metal			Results		Results		Results		Results	
Aluminum	500000	500000	475000	95.0	511000	102.2	482000	96.4	502000	100.4
Antimony		1000	-1.2		1040	104.0	0.80		1060	106.0
Arsenic		1000	1.1		1120	112.0	0.60		1130	113.0
Barium		500	0.80		513	102.6	-4.4		513	102.6
Beryllium		500	0.20		526	105.2	0.10		520	104.0
Cadmium		1000	0.0		1010	101.0	1.8		1010	101.0
Calcium	500000	500000	468000	93.6	490000	98.0	465000	93.0	482000	96.4
Chromium		500	0.80		531	106.2	0.60		526	105.2
Cobalt		500	0.40		490	98.0	-0.80		489	97.8
Copper		500	0.20		542	108.4	0.0		549	109.8
Iron	200000	200000	179000	89.5	192000	96.0	180000	90.0	190000	95.0
Lead		1000	0.30		995	99.5	-8.4		986	98.6
Magnesium	500000	500000	505000	101.0	535000	107.0	496000	99.2	519000	103.8
Manganese		500	0.50		531	106.2	0.50		529	105.8
Molybdenum		1000	0.20		957	95.7	-0.70		959	95.9
Nickel		1000	0.10		998	99.8	-0.80		1010	101.0
Potassium			551		16.3		418		137	
Selenium		1000	0.0		1060	106.0	1.1		1060	106.0
Silver		1000	0.30		1070	107.0	-0.60		1080	108.0
Sodium			756		226		522		278	
Strontium		1000	0.60		1030	103.0	0.70		1050	105.0
Thallium		1000	-1.1		979	97.9	-4.2		977	97.7
Tin		1000	3.1		954	95.4	2.7		944	94.4
Titanium		1000	0.20		1040	104.0	0.30		1040	104.0
Vanadium		500	0.0		488	97.6	-1.3		489	97.8
Zinc		1000	0.10		1010	101.0	1.0		986	98.6

(*) Outside of QC limits
(anr) Analyte not requested

6.1.6
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31998
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13104
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:40	MA13104-STD1	1		STDA
09:44	MA13104-STD2	1		STDB
09:49	MA13104-STD3	1		STDC
09:52	MA13104-STD4	1		STDD
09:56	MA13104-HSTD1	1		
10:02	MA13104-ICV1	1		
10:09	MA13104-ICB1	1		
10:13	MA13104-CR1A1	1		
10:19	MA13104-ICSA1	1		
10:24	MA13104-ICSAB1	1		
10:30	MA13104-CCV1	1		
10:36	MA13104-CCB1	1		
10:41	ZZZZZZ	2		
10:45	FA33214-1	25		(sample used for QC only; not part of login FA31998)
10:50	MP30257-D1	25		
10:55	MP30257-S1	25		
10:59	MP30257-S2	25		
11:04	MP30257-PS1	25		
11:08	MP30257-SD1	125		
11:19	MP30261-MB1	1		
11:23	MP30261-B1	1		
11:27	MA13104-CCV2	1		
11:32	MA13104-CCB2	1		
11:36	FA33248-3	1		(sample used for QC only; not part of login FA31998)
11:40	MP30261-D1	1		
11:45	MP30261-SD1	5		
11:49	MP30261-PS1	1		
11:54	MP30261-S1	1		
11:58	MP30261-S2	1		
12:02	ZZZZZZ	1		
12:06	ZZZZZZ	1		
12:11	ZZZZZZ	1		
12:15	ZZZZZZ	1		

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31998
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042116M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 04/21/16
Run ID: MA13104
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:20	MA13104-CCV3	1		
12:24	MA13104-CCB3	1		
12:28	ZZZZZZ	1		
12:33	ZZZZZZ	1		
12:37	ZZZZZZ	1		
12:42	ZZZZZZ	1		
12:46	ZZZZZZ	1		
12:50	ZZZZZZ	1		
12:55	ZZZZZZ	1		
13:00	ZZZZZZ	1		
13:04	ZZZZZZ	1		
13:09	ZZZZZZ	1		
13:13	MA13104-CCV4	1		
13:17	MA13104-CCB4	1		
13:22	ZZZZZZ	1		
13:26	ZZZZZZ	1		
13:31	ZZZZZZ	1		
13:35	MP30261-MB2A	1		
13:40	MA13104-CRIA2	1		
13:44	ZZZZZZ	250		
13:49	MP30262-MB1	1		
13:53	MP30262-B1	1		
13:58	FA33230-10	1		(sample used for QC only; not part of login FA31998)
14:02	MP30262-D1	1		
14:07	MA13104-CCV5	1		
14:11	MA13104-CCB5	1		
14:15	MP30262-SD1	5		
14:20	MP30262-PS1	1		
14:25	MP30262-S1	1		
14:29	MP30262-S2	1		
14:34	ZZZZZZ	1		
14:38	ZZZZZZ	1		
14:42	ZZZZZZ	1		

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31998
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042116M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 04/21/16
Run ID: MA13104
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:47	ZZZZZZ	1		
14:51	ZZZZZZ	1		
14:56	ZZZZZZ	1		
15:00	MA13104-CCV6	1		
15:05	MA13104-CCB6	1		
15:09	ZZZZZZ	1		
15:14	ZZZZZZ	1		
15:18	ZZZZZZ	1		
15:23	ZZZZZZ	1		
15:27	MP30263-MB1	5		
15:32	MP30263-B1	5		
15:36	FA31998-1	5		
15:40	MP30263-D1	5		
15:45	MP30263-D2	5		
15:49	MP30263-SD1	25		
15:54	MA13104-CCV7	1		
15:58	MA13104-CCB7	1		
16:02	MP30263-PS1	5		
16:07	FA31998-4	5		
16:11	FA31998-5	5		
16:16	FA31998-11	5		
16:20	FA31998-14	5		
16:25	FA31998-15	5		
16:29	FA31998-20	5		
16:33	FA31998-23	5		
16:38	FA31998-26	5		
----->	Last reportable sample/prep for job FA31998			
16:42	ZZZZZZ	5		
16:46	MA13104-CCV8	1		
16:50	MA13104-CCB8	1		
16:55	ZZZZZZ	5		
16:59	ZZZZZZ	5		
17:04	ZZZZZZ	5		
17:08	ZZZZZZ	5		

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA31998
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042116M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 04/21/16
Run ID: MA13104
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:12	ZZZZZZ	5		
17:17	ZZZZZZ	5		
17:21	ZZZZZZ	5		
17:25	ZZZZZZ	5		
17:30	MA13104-CRIA3	1		
17:34	MA13104-ICSA2	1		
17:39	MA13104-CCV9	1		
17:43	MA13104-CCB9	1		
17:47	MA13104-ICSAB2	1		
17:52	MA13104-CCV10	1		
17:56	MA13104-CCB10	1		

-----> Last reportable CCB for job FA31998
Refer to raw data for calibration curve and standards.

6.2
6

INTERNAL STANDARD SUMMARY

Login Number: FA31998
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13104
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:40	MA13104-STD1	5821	45102	3445	3027
09:44	MA13104-STD2	5806	44422	3421	2860
09:49	MA13104-STD3	5519	42365	3323	2580
09:52	MA13104-STD4	5264	41154	3315	2387
09:56	MA13104-HSTD1	5339	41411	3313	2409
10:02	MA13104-ICV1	5477	41976	3317	2559
10:09	MA13104-ICB1	5754 R	44518 R	3446 R	2972 R
10:13	MA13104-CRIA1	5730	43694	3411	2895
10:19	MA13104-ICSA1	5105	38327	3179	2320
10:24	MA13104-ICSAB1	5075	38521	3200	2286
10:30	MA13104-CCV1	5525	43042	3429	2608
10:36	MA13104-CCB1	5748	44844	3376	3029
10:41	ZZZZZZ	6496	50788	3908	2914
10:45	FA33214-1	5105	38110	3345	2334
10:50	MP30257-D1	5080	36978	3332	2310
10:55	MP30257-S1	5096	38374	3340	2312
10:59	MP30257-S2	5117	38198	3339	2324
11:04	MP30257-PS1	5067	37744	3267	2307
11:08	MP30257-SD1	5528	41959	3362	2646
11:19	MP30261-MB1	5747	45499	3414	3010
11:23	MP30261-B1	5546	43010	3333	2687
11:27	MA13104-CCV2	5534	42732	3332	2591
11:32	MA13104-CCB2	5888	45866	3455	3073
11:36	FA33248-3	5470	42370	3318	2676
11:40	MP30261-D1	5520	42890	3337	2696
11:45	MP30261-SD1	5734	44537	3416	2900
11:49	MP30261-PS1	5475	42324	3325	2635
11:54	MP30261-S1	5436	41782	3252	2546
11:58	MP30261-S2	5451	41809	3226	2542
12:02	ZZZZZZ	5525	42711	3301	2669
12:06	ZZZZZZ	5443	42405	3315	2644
12:11	ZZZZZZ	5493	42443	3329	2663
12:15	ZZZZZZ	5510	42613	3298	2685

6.2.1
6

INTERNAL STANDARD SUMMARY

Login Number: FA31998
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13104
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:20	MA13104-CCV3	5389	41803	3258	2529
12:24	MA13104-CCB3	5824	45400	3431	3041
12:28	ZZZZZZ	5677	44071	3335	2854
12:33	ZZZZZZ	5399	41668	3272	2629
12:37	ZZZZZZ	5625	43933	3366	2820
12:42	ZZZZZZ	5633	43816	3372	2841
12:46	ZZZZZZ	5449	41762	3324	2635
12:50	ZZZZZZ	5280	40328	3260	2507
12:55	ZZZZZZ	5227	39453	3157	2509
13:00	ZZZZZZ	5158	38956	3150	2415
13:04	ZZZZZZ	5472	42148	3304	2639
13:09	ZZZZZZ	5350	41153	3366	2548
13:13	MA13104-CCV4	5482	42256	3270	2571
13:17	MA13104-CCB4	5882	45261	3347	3042
13:22	ZZZZZZ	5361	40899	3206	2560
13:26	ZZZZZZ	5298	40211	3258	2479
13:31	ZZZZZZ	5589	43302	3311	2765
13:35	MP30261-MB2A	5840	46029	3391	3017
13:40	MA13104-CRIA2	5828	44869	3412	2928
13:44	ZZZZZZ	5727	43862	3359	2841
13:49	MP30262-MB1	5720	45180	3332	2971
13:53	MP30262-B1	5556	42926	3294	2681
13:58	FA33230-10	5144	39789	3411	2020
14:02	MP30262-D1	5282	40943	3492	2012
14:07	MA13104-CCV5	5564	43114	3309	2603
14:11	MA13104-CCB5	5770	44971	3314	3001
14:15	MP30262-SD1	5260	40510	3235	2406
14:20	MP30262-PS1	5059	39428	3384	1990
14:25	MP30262-S1	5066	39575	3370	1944
14:29	MP30262-S2	5172	40073	3330	1962
14:34	ZZZZZZ	6502	50467	3717	2758
14:38	ZZZZZZ	6313	49209	3675	2808
14:42	ZZZZZZ	5319	41453	3342	2281

INTERNAL STANDARD SUMMARY

Login Number: FA31998
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13104
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:47	ZZZZZZ	5830	44644	3469	2426
14:51	ZZZZZZ	5573	43237	3405	2373
14:56	ZZZZZZ	8788 !	68222 !	5699 !	1791
15:00	MA13104-CCV6	5529	42629	3149	2592
15:05	MA13104-CCB6	5866	45342	3234	3045
15:09	ZZZZZZ	5541	43002	3298	2447
15:14	ZZZZZZ	5711	44229	3351	2547
15:18	ZZZZZZ	6170	47609	3415	2844
15:23	ZZZZZZ	5979	46672	3354	2911
15:27	MP30263-MB1	5879	46000	3347	3035
15:32	MP30263-B1	5770	44481	3231	2895
15:36	FA31998-1	5964	44612	3273	2799
15:40	MP30263-D1	5853	44376	3276	2748
15:45	MP30263-D2	5776	43409	3217	2692
15:49	MP30263-SD1	5935	45009	3243	2942
15:54	MA13104-CCV7	5553	42448	3151	2588
15:58	MA13104-CCB7	5591	43578	3166	2886
16:02	MP30263-PS1	5887	44349	3306	2741
16:07	FA31998-4	5926	44553	3309	2714
16:11	FA31998-5	5999	45125	3315	2755
16:16	FA31998-11	5848	44514	3257	2829
16:20	FA31998-14	5935	45184	3324	2831
16:25	FA31998-15	5766	43448	3175	2756
16:29	FA31998-20	5788	43496	3171	2766
16:33	FA31998-23	5894	44640	3236	2824
16:38	FA31998-26	5938	44987	3309	2848
16:42	ZZZZZZ	5789	44429	3249	2850
16:46	MA13104-CCV8	5463	41707	3086	2542
16:50	MA13104-CCB8	5885	45380	3215	3028
16:55	ZZZZZZ	5847	44939	3276	2878
16:59	ZZZZZZ	5795	44147	3270	2796
17:04	ZZZZZZ	5829	44423	3251	2820
17:08	ZZZZZZ	5808	43999	3213	2851

6.2.1
6

INTERNAL STANDARD SUMMARY

Login Number: FA31998
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13104
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:12	ZZZZZZ	5840	44521	3255	2857
17:17	ZZZZZZ	5771	44255	3237	2860
17:21	ZZZZZZ	5740	43627	3195	2757
17:25	ZZZZZZ	5850	44382	3230	2820
17:30	MA13104-CRIA3	5769	44021	3170	2883
17:34	MA13104-ICSA2	5077	37885	2908	2266
17:39	MA13104-CCV9	5553	42599	3120	2581
17:43	MA13104-CCB9	5806	44707	3161	2992
17:47	MA13104-ICSAB2	5127	38188	2927	2265
17:52	MA13104-CCV10	5474	41739	3031	2538
17:56	MA13104-CCB10	5860	45355	3217	3002

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

<u>Istd#</u>	<u>Parameter</u>	<u>Limits</u>
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31998
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
 QC Limits: result < RL Run ID: MA13104 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	10:09 ICB1		10:36 CCB1		11:32 CCB2		12:24 CCB3	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14								
Antimony		6.0	1								
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2								
Cadmium		5.0	.2	anr							
Calcium		1000	50								
Chromium		10	1	anr							
Cobalt		50	.2								
Copper		25	1	anr							
Iron		300	17	anr							
Lead		5.0	1	-0.80	<5.0	-0.50	<5.0	-0.40	<5.0	-0.30	<5.0
Magnesium		5000	35								
Manganese		15	.5	anr							
Molybdenum		50	.3	anr							
Nickel		40	.4	anr							
Potassium		10000	200								
Selenium		10	2.4								
Silver		10	.7	anr							
Sodium		10000	500	anr							
Strontium		10	.5								
Thallium		10	1.1								
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31998
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042116M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/21/16
 Run ID: MA13104

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	13:17 CCB4		14:11 CCB5		15:05 CCB6		15:58 CCB7	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14								
Antimony		6.0	1								
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2								
Cadmium		5.0	.2	anr							
Calcium		1000	50								
Chromium		10	1	anr							
Cobalt		50	.2								
Copper		25	1	anr							
Iron		300	17	anr							
Lead		5.0	1	-0.20	<5.0	-0.40	<5.0	-0.30	<5.0	0.30	<5.0
Magnesium		5000	35								
Manganese		15	.5	anr							
Molybdenum		50	.3	anr							
Nickel		40	.4	anr							
Potassium		10000	200								
Selenium		10	2.4								
Silver		10	.7	anr							
Sodium		10000	500	anr							
Strontium		10	.5								
Thallium		10	1.1								
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA31998
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042116M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/21/16
 Run ID: MA13104

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		16:50		17:43		17:56	
	Sample ID:	RL	IDL	CCB8	final	CCB9	final	CCB10
Aluminum	200	14						
Antimony	6.0	1						
Arsenic	10	1.3	anr					
Barium	200	1	anr					
Beryllium	4.0	.2						
Cadmium	5.0	.2	anr					
Calcium	1000	50						
Chromium	10	1	anr					
Cobalt	50	.2						
Copper	25	1	anr					
Iron	300	17	anr					
Lead	5.0	1	0.20	<5.0	-0.50	<5.0	-0.30	<5.0
Magnesium	5000	35						
Manganese	15	.5	anr					
Molybdenum	50	.3	anr					
Nickel	40	.4	anr					
Potassium	10000	200						
Selenium	10	2.4						
Silver	10	.7	anr					
Sodium	10000	500	anr					
Strontium	10	.5						
Thallium	10	1.1						
Tin	50	.9						
Titanium	10	.5						
Vanadium	50	.5						
Zinc	20	3	anr					

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31998
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13104 Units: ug/l

Metal	Time:		10:02		10:30		11:27		
	Sample ID:	ICV	ICV1	Results	CCV	CCV1	CCV2	Results	
	True		% Rec	True		% Rec	True	% Rec	
Aluminum									
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	2000	2010	100.5	2000	1980	99.0	2000	2000	100.0
Magnesium									
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium									
Selenium									
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31998
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13104 Units: ug/l

Metal	Sample ID:	Time:	12:20	% Rec	CCV	13:13	% Rec	CCV	14:07	% Rec
		CCV	CCV3		CCV4	CCV5				
Aluminum		True	Results		True	Results		True	Results	
Antimony										
Arsenic	anr									
Barium	anr									
Beryllium										
Cadmium	anr									
Calcium										
Chromium	anr									
Cobalt										
Copper	anr									
Iron	anr									
Lead	2000	2050	102.5	2000	2010	100.5	2000	1990	99.5	
Magnesium										
Manganese	anr									
Molybdenum	anr									
Nickel	anr									
Potassium										
Selenium										
Silver	anr									
Sodium	anr									
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc	anr									

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31998
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13104 Units: ug/l

Metal	Sample ID	CCV	15:00		15:54		16:46		
			CCV6	Results	CCV7	Results	CCV8	Results	
Aluminum		True							
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	2000	1990	99.5	2000	1980	99.0	2000	2020	101.0
Magnesium									
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium									
Selenium									
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA31998
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13104 Units: ug/l

Metal	Sample ID	Time: CCV	17:39		17:52	
			CCV9	Results	CCV10	Results
		True	% Rec	True	% Rec	
Aluminum						
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	anr					
Iron	anr					
Lead	2000	1980	99.0	2000	2010	100.5
Magnesium						
Manganese	anr					
Molybdenum	anr					
Nickel	anr					
Potassium						
Selenium						
Silver	anr					
Sodium	anr					
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA31998
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13104 Units: ug/l

Time:	09:56
Sample ID:	HSTD1
Metal	True
Results	% Rec

Aluminum			
Antimony			
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium	anr		
Calcium			
Chromium	anr		
Cobalt			
Copper	anr		
Iron	anr		
Lead	4000	3990	99.8
Magnesium			
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium			
Selenium			
Silver	anr		
Sodium	anr		
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA31998
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13104 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	10:13 CRIA1 Results	% Rec	13:40 CRIA2 Results	% Rec	17:30 CRIA3 Results	% Rec
Aluminum	400	200						
Antimony	10	5.0						
Arsenic	20	10	anr					
Barium	400	200	anr					
Beryllium	10	5.0						
Cadmium	10	5.0	anr					
Calcium	2000	1000						
Chromium	20	10	anr					
Cobalt	100	50						
Copper	50	25	anr					
Iron	600	300	anr					
Lead	10	5.0	4.9	98.0	5.2	104.0	4.6	92.0
Magnesium	10000	5000						
Manganese	30	15	anr					
Molybdenum	100	50	anr					
Nickel	80	40	anr					
Potassium	20000	10000						
Selenium	20	10						
Silver	20	10	anr					
Sodium	20000	10000	anr					
Strontium	20	10						
Thallium	20	10						
Tin	100	50						
Titanium	20	10						
Vanadium	100	50						
Zinc	40	20	anr					

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA31998
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13104 Units: ug/l

Time:	10:19	10:24	17:34	17:47						
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2						
Metal	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum	500000	500000	499000	99.8	498000	99.6	525000	105.0	515000	103.0
Antimony		1000	0.80		1040	104.0	0.50		1000	100.0
Arsenic		1000	-1.4		1100	110.0	-0.80		1060	106.0
Barium		500	-0.60		526	105.2	0.10		547	109.4
Beryllium		500	-0.40		514	102.8	-0.50		512	102.4
Cadmium		1000	-0.10		977	97.7	-0.80		957	95.7
Calcium	500000	500000	490000	98.0	480000	96.0	515000	103.0	507000	101.4
Chromium		500	-0.40		515	103.0	-0.30		519	103.8
Cobalt		500	-0.40		483	96.6	-0.50		482	96.4
Copper		500	-0.10		553	110.6	0.20		558	111.6
Iron	200000	200000	189000	94.5	188000	94.0	191000	95.5	189000	94.5
Lead		1000	0.20		970	97.0	-2.7		960	96.0
Magnesium	500000	500000	518000	103.6	506000	101.2	537000	107.4	525000	105.0
Manganese		500	-0.80		517	103.4	-0.90		510	102.0
Molybdenum		1000	-0.70		959	95.9	-1.1		956	95.6
Nickel		1000	0.0		974	97.4	0.20		947	94.7
Potassium			66.9		46.2		61.9		10.5	
Selenium		1000	0.90		1040	104.0	-1.3		1020	102.0
Silver		1000	-0.30		1050	105.0	-0.30		1060	106.0
Sodium			230		241		263		240	
Strontium		1000	-0.20		1030	103.0	-0.40		1030	103.0
Thallium		1000	-0.20		961	96.1	-2.1		945	94.5
Tin		1000	1.2		942	94.2	0.90		950	95.0
Titanium		1000	-1.7		1010	101.0	-1.3		994	99.4
Vanadium		500	-0.40		481	96.2	0.0		472	94.4
Zinc		1000	-2.7		976	97.6	-3.2		941	94.1

(*) Outside of QC limits
(anr) Analyte not requested

6.2.6
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA31998
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30097
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/11/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	14	14		
Antimony	6.0	1	1		
Arsenic	10	1.3	1.3		
Barium	200	1	1		
Beryllium	4.0	.2	.2		
Cadmium	5.0	.2	.2		
Calcium	1000	50	50		
Chromium	10	1	1		
Cobalt	50	.2	.2		
Copper	25	1	1		
Iron	300	17	17		
Lead	5.0	1	1.1	-0.20	<5.0
Magnesium	5000	35	35		
Manganese	15	.5	1		
Molybdenum	50	.3	.3		
Nickel	40	.4	.4		
Potassium	10000	200	200		
Selenium	10	2.4	2.9		
Silver	10	.7	.7		
Sodium	10000	500	500		
Strontium	10	.5	.5		
Thallium	10	1.1	1.4		
Tin	50	.9	1		
Titanium	10	.5	1		
Vanadium	50	.5	.6		
Zinc	20	3	4.4		

Associated samples MP30097: FA31998-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.3.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31998
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30097
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/11/16 03/11/16

Metal	FA32009-1 Original	DUP	RPD	QC Limits	FA32009-1 Original MS	Spikelot MPFLICP2 % Rec	QC Limits		
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	0.0	0.0	NC	0-20	0.0	524	500	104.8	80-120
Magnesium									
Manganese	anr								
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

Associated samples MP30097: FA31998-10

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.3.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31998
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30097
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/11/16

Metal	FA32009-1 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit		
Aluminum						
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	anr					
Iron	anr					
Lead	0.0	525	500	105.0	0.2	20
Magnesium						
Manganese	anr					
Molybdenum						
Nickel						
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP30097: FA31998-10

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.3.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA31998
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30097
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/11/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron	anr			
Lead	517	500	103.4	80-120
Magnesium				
Manganese	anr			
Molybdenum				
Nickel				
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP30097: FA31998-10

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.3.3
6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA31998
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30097
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/11/16

Metal	FA32009-1	Original	SDL 1:5	%DIF	QC Limits
Aluminum					
Antimony	anr				
Arsenic	anr				
Barium	anr				
Beryllium					
Cadmium	anr				
Calcium					
Chromium	anr				
Cobalt					
Copper	anr				
Iron	anr				
Lead	0.00	0.00	NC		0-10
Magnesium					
Manganese	anr				
Molybdenum					
Nickel					
Potassium					
Selenium	anr				
Silver	anr				
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc	anr				

Associated samples MP30097: FA31998-10

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.3.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA31998
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30097
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date:

03/11/16

Metal	Sample ml	Final ml	FA32009-1 Raw	PS Corr.** ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	9.8	10		49.7	0.2	2.5	50	99.4	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP30097: FA31998-10

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (**) Corr. sample result = Raw * (sample volume / final volume)
 (anr) Analyte not requested

6.3.5
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA31998
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30263
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 04/21/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.4	3.5		
Antimony	2.0	.1	.13		
Arsenic	1.0	.13	.2		
Barium	20	.1	.1		
Beryllium	0.50	.02	.05		
Cadmium	0.40	.02	.05		
Calcium	500	5	5		
Chromium	1.0	.1	.1		
Cobalt	5.0	.02	.05		
Copper	2.5	.1	.1		
Iron	30	1.7	1.7		
Lead	2.0	.1	.1	-0.022	<2.0
Magnesium	500	3.5	3.6		
Manganese	1.5	.05	.05		
Molybdenum	5.0	.03	.05		
Nickel	4.0	.04	.05		
Potassium	1000	20	20		
Selenium	2.0	.24	.24		
Silver	1.0	.07	.082		
Sodium	1000	50	50		
Strontium	1.0	.05	.05		
Thallium	1.0	.11	.11		
Tin	5.0	.09	.09		
Titanium	1.0	.05	.05		
Vanadium	5.0	.05	.05		
Zinc	2.0	.3	.3		

Associated samples MP30263: FA31998-1, FA31998-4, FA31998-5, FA31998-11, FA31998-14, FA31998-15, FA31998-20, FA31998-23, FA31998-26

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.4.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA31998
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30263
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/21/16 04/21/16

Metal	FA31998-1		RPD	QC Limits	FA31998-1		QC Limits
	Original	DUP			Original	DUP	
Aluminum							
Antimony							
Arsenic							
Barium							
Beryllium							
Cadmium							
Calcium							
Chromium							
Cobalt							
Copper							
Iron							
Lead	116	120	3.4	0-20	116	134	14.4 0-20
Magnesium							
Manganese							
Molybdenum							
Nickel							
Potassium							
Selenium							
Silver							
Sodium							
Strontium							
Thallium							
Tin							
Titanium							
Vanadium							
Zinc							

Associated samples MP30263: FA31998-1, FA31998-4, FA31998-5, FA31998-11, FA31998-14, FA31998-15, FA31998-20, FA31998-23, FA31998-26

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.4.2
 6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA31998
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30263
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/21/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	10.1	10	101.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30263: FA31998-1, FA31998-4, FA31998-5, FA31998-11, FA31998-14, FA31998-15, FA31998-20, FA31998-23, FA31998-26

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.3
6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA31998
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30263
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 04/21/16

Metal	FA31998-1	QC
	Original SDL 5:25 %DIF	Limits

Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	6180	6180	0.1	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30263: FA31998-1, FA31998-4, FA31998-5, FA31998-11, FA31998-14, FA31998-15, FA31998-20, FA31998-23, FA31998-26

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA31998
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30263
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date:

04/21/16

Metal	Sample ml	Final ml	FA31998-1 Raw	PS Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead	9.8	10	6177	6053.46	6317	0.2	2.5	50	527.1*(a)	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP30263: FA31998-1, FA31998-4, FA31998-5, FA31998-11, FA31998-14, FA31998-15, FA31998-20, FA31998-23, FA31998-26

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(**) Corr. sample result = Raw * (sample volume / final volume)

(anr) Analyte not requested

(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

6.4.5
6

Instrument Detection Limits

Job Number: FA31998
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1	Effective Date: 01/27/15
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Analyte	IDL ug/l
Aluminum	14
Antimony	1
Arsenic	1.3
Barium	1
Beryllium	.2
Cadmium	.2
Calcium	50
Chromium	1
Cobalt	.2
Copper	1
Iron	17
Lead	1
Magnesium	35
Manganese	.5
Molybdenum	.3
Nickel	.4
Potassium	200
Selenium	2.4
Silicon	5
Silver	.7
Sodium	500
Strontium	.5
Sulfur	5
Thallium	1.1
Tin	.9
Titanium	.5
Vanadium	.5
Zinc	3

The above applies to the following instrument runs:
MA13028,MA13104

6.5
6

Instrument Linear Ranges

Job Number: FA31998
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1

Effective Date: 08/13/13

Analyte	Linear Range ug/l
Aluminum	500000
Antimony	10000
Arsenic	10000
Barium	10000
Beryllium	10000
Cadmium	10000
Calcium	500000
Chromium	10000
Cobalt	10000
Copper	10000
Iron	500000
Lead	10000
Magnesium	500000
Manganese	10000
Molybdenum	10000
Nickel	10000
Potassium	80000
Selenium	10000
Silver	1000
Sodium	80000
Strontium	10000
Sulfur	10000
Thallium	10000
Tin	10000
Titanium	10000
Vanadium	10000
Zinc	10000

The above applies to the following instrument runs:
MA13028,MA13104

Metals Analysis

Raw Data

Sample Name: Blank Acquired: 3/11/2016 4:50:46 Type: Cal
Method: 60102007_042011(v917) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.003	.0003	-0.0006	.0022	.0010	.0058	-0.012	-0.007	-0.002
Stddev	.0001	.0005	.0001	.0013	.0008	.0009	.0002	.0001	.0001
%RSD	24.49	167.9	13.58	58.87	79.31	15.80	12.82	8.928	77.12
#1	-.0002	-.0001	-.0006	.0023	.0001	.0055	-.0010	-.0008	-.0003
#2	-.0003	.0008	-.0006	.0036	.0015	.0050	-.0013	-.0007	-.0002
#3	-.0004	.0002	-.0005	.0009	.0014	.0068	-.0013	-.0006	-.0001

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0059	.0016	-0.0111	-0.0004	.0005	.0013	-0.0180	-0.0004	.0000
Stddev	.0001	.0008	.0033	.0003	.0001	.0002	.0040	.0002	.0004
%RSD	1.419	46.22	29.24	71.62	12.67	14.75	22.47	49.40	4341.
#1	.0060	.0025	-.0093	-.0008	.0005	.0014	-.0201	-.0006	.0003
#2	.0059	.0014	-.0149	-.0002	.0006	.0015	-.0133	-.0005	-.0005
#3	.0059	.0010	-.0092	-.0003	.0006	.0011	-.0205	-.0002	.0003

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0010	-0.0002	.0005	.0005	.0012	.0016	-0.0017	-0.0008	.0009
Stddev	.0000	.0002	.0001	.0001	.0008	.0001	.0001	.0002	.0001
%RSD	4.978	70.69	2.331	15.69	69.21	7.334	4.005	18.62	6.924
#1	.0010	-.0002	.0056	.0005	.0011	.0016	-.0017	-.0007	.0009
#2	.0010	-.0004	.0056	.0005	.0004	.0018	-.0017	-.0008	.0008
#3	.0009	-.0001	.0053	.0006	.0021	.0015	-.0016	-.0010	.0009

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2921.6	5592.1	4251.2	3751.6
Stddev	7.6	7.6	319.	23.1
%RSD	.26173	.13646	.75033	.61660
#1	2919.7	5599.5	42309.	3725.2
#2	2929.9	5592.4	42348.	3761.3
#3	2915.0	5584.3	42880.	3768.3

Raw Data MA13028 page 1 of 234

Sample Name: LowStd Acquired: 3/11/2016 4:54:24 Type: Cal
Method: 60102007_042011(v917) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0356	2.442	.0872	4.129	5.967	2.827	2.450	1.319	.2843
Stddev	.0002	.009	.0004	.023	.017	.009	.006	.003	.0012
%RSD	.5455	.3820	.4235	.5473	.2761	.3002	.2465	.2393	.4325
#1	.0355	2.448	.0870	4.129	5.978	2.834	2.445	1.317	.2832
#2	.0355	2.431	.0869	4.106	5.948	2.818	2.448	1.319	.2842
#3	.0358	2.446	.0876	4.151	5.976	2.830	2.457	1.323	.2856

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4498	1.960	1.019	.3082	1.551	.5566	4.385	.7916	.4238
Stddev	.0008	.007	.001	.0004	.004	.0013	.001	.0034	.0006
%RSD	.1775	.3780	.0925	.1143	.2783	.2310	.0322	.4242	.1463
#1	.4507	1.957	1.019	.3079	1.547	.5557	4.385	.7888	.4237
#2	.4495	1.955	1.018	.3083	1.552	.5561	4.387	.7906	.4233
#3	.4492	1.969	1.020	.3086	1.555	.5581	4.384	.7953	.4245

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1219	.0630	.1954	.2075	7.916	1.042	.1487	.3611	1.234
Stddev	.0003	.0001	.0002	.0002	.024	.001	.0004	.0008	.002
%RSD	2.309	.2240	.1248	.1091	.3016	.1235	.2705	.2163	.1495
#1	.1217	.0628	.1952	.2074	7.916	1.041	.1489	.3603	1.233
#2	.1218	.0631	.1953	.2078	7.893	1.042	.1482	.3618	1.234
#3	.1222	.0631	.1957	.2074	7.941	1.044	.1489	.3613	1.236

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2700.0	5494.7	41388.	3709.4
Stddev	3.9	15.3	265.	3.7
%RSD	.14483	.27895	.64032	.09874
#1	2704.4	5503.9	41675.	3711.9
#2	2698.4	5503.3	41338.	3711.0
#3	2697.1	5477.0	41152.	3705.2

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7.1
7

Sample Name: MidStd Acquired: 3/11/2016 4:57:45 Type: Cal
Method: 60102007_042011(v917) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1375	9.046	.3594	16.83	23.90	10.34	9.661	5.218	1.109
Stddev	.0002	.053	.0009	.08	.09	.09	.020	.009	.003
%RSD	.1443	.5909	.2383	.4462	.3646	.8798	.2066	.1635	.2769
#1	.1376	9.058	.3585	16.85	23.89	10.39	9.639	5.208	1.106
#2	.1376	8.987	.3598	16.75	23.82	10.23	9.677	5.221	1.112
#3	.1373	9.092	.3601	16.89	24.00	10.39	9.668	5.224	1.108

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.785	6.987	3.878	1.125	6.007	2.280	16.56	3.101	1.722
Stddev	.002	.040	.030	.009	.011	.006	.05	.003	.007
%RSD	.1049	.5695	.7621	.8300	.1821	.2719	.3149	.1106	.4016
#1	1.783	6.996	3.894	1.132	5.996	2.274	16.55	3.097	1.716
#2	1.787	6.944	3.844	1.115	6.018	2.281	16.50	3.104	1.729
#3	1.785	7.022	3.897	1.129	6.008	2.286	16.61	3.101	1.722

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4970	.2586	.6473	.8334	32.22	4.198	.6040	1.458	4.803
Stddev	.0010	.0004	.0005	.0023	.07	.004	.0021	.003	.016
%RSD	.1952	.1441	.0843	.2757	.2234	.0970	.3416	.1963	.3393
#1	.4961	.2582	.6469	.8307	32.17	4.195	.6054	1.455	4.784
#2	.4968	.2586	.6471	.8350	32.18	4.202	.6049	1.457	4.816
#3	.4980	.2589	.6479	.8344	32.30	4.197	.6016	1.461	4.808

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2499.8	5343.2	40820.	3767.2
Stddev	1.9	4.1	99.	42.3
%RSD	.07638	.07758	.24211	1.1222
#1	2501.6	5345.1	40918.	3740.0
#2	2497.8	5346.0	40821.	3815.9
#3	2500.1	5338.4	40720.	3745.8

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Sample Name: HighStd Acquired: 3/11/2016 5:01:08 Type: Cal
Method: 60102007_042011(v917) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2797	18.10	.7299	34.01	47.45	20.54	19.08	10.32	2.175
Stddev	.0022	.11	.0018	.19	.25	.18	.02	.01	.005
%RSD	.7955	.6074	.2436	.5541	.5309	.8580	.1073	.0897	.2419
#1	.2806	17.98	.7279	33.83	47.16	20.36	19.06	10.32	2.172
#2	.2771	18.10	.7310	34.00	47.54	20.54	19.10	10.33	2.181
#3	.2813	18.20	.7309	34.20	47.64	20.72	19.08	10.32	2.171

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.569	14.11	7.856	2.242	11.57	4.469	33.33	6.137	3.515
Stddev	.006	.09	.054	.014	.02	.006	.13	.014	.005
%RSD	.1773	.6632	.6823	.6317	.2114	.1245	.3911	.2228	.1403
#1	3.571	14.02	7.798	2.227	11.59	4.463	33.19	6.125	3.517
#2	3.562	14.12	7.866	2.245	11.58	4.472	33.35	6.152	

Sample Name: HSTD Acquired: 3/11/2016 5:05:16 Type: QC
 Method: 60102007_042011(v917) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5017	79.63	4.045	4.038	4.009	79.33	3.994	3.997	3.966
Stddev	.0023	.27	.007	.026	.012	.12	.004	.003	.017
%RSD	.4611	.3382	.1660	.6441	.2945	.1455	.0987	.0671	.4320

#1	.5024	79.84	4.050	4.067	4.012	79.42	3.993	3.994	3.956
#2	.5036	79.73	4.047	4.030	4.018	79.37	3.998	4.000	3.956
#3	.4992	79.32	4.037	4.017	3.995	79.20	3.990	3.997	3.985

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.002	79.60	79.90	79.16	3.939	3.999	80.23	3.995	4.053
Stddev	.004	.25	.28	.15	.007	.002	.34	.004	.001
%RSD	.1089	.3189	.3540	.1900	.1684	.0526	.4290	.1057	.0216

#1	4.000	79.78	80.17	79.12	3.932	3.997	80.38	3.992	4.053
#2	4.007	79.71	79.94	79.33	3.946	3.999	80.48	4.000	4.052
#3	3.999	79.31	79.61	79.04	3.938	4.001	79.84	3.993	4.052

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.047	4.034	3.971	3.969	4.018	3.988	4.017	3.998	3.991
Stddev	.007	.005	.008	.001	.019	.006	.008	.018	.005
%RSD	.1802	.1208	.2083	.0254	.4656	.1487	.1979	.4418	.1183

#1	4.040	4.032	3.962	3.969	4.034	3.993	4.017	3.984	3.996
#2	4.054	4.039	3.977	3.968	4.022	3.982	4.009	3.991	3.987
#3	4.048	4.030	3.975	3.969	3.998	3.990	4.025	4.018	3.989

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 3/11/2016 5:05:16 Type: QC
 Method: 60102007_042011(v917) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2302.8	5107.7	3975.8	3746.1
Stddev	3.7	4.4	25.	12.5
%RSD	.15904	.08592	.06167	.33385

#1	2299.6	5106.9	39771.	3749.6
#2	2306.8	5112.5	39729.	3732.2
#3	2302.0	5103.8	39773.	3756.4

Sample Name: ICV Acquired: 3/11/2016 5:09:09 Type: QC
 Method: 60102007_042011(v917) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2555	40.97	1.991	2.055	2.046	41.92	2.034	2.036	2.015
Stddev	.0007	.13	.003	.007	.007	.14	.005	.004	.005
%RSD	.2675	.3171	.1477	.3575	.3491	.3315	.2357	.1946	.2530

#1	.2547	41.00	1.992	2.058	2.051	42.00	2.035	2.038	2.017
#2	.2557	41.09	1.988	2.061	2.050	42.00	2.028	2.032	2.018
#3	.2560	40.83	1.994	2.047	2.038	41.76	2.038	2.039	2.009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.993	40.80	41.45	41.94	2.089	1.909	42.04	2.054	2.003
Stddev	.005	.11	.15	.04	.005	.002	.12	.005	.003
%RSD	.2709	.2720	.3685	.0949	.2475	.1111	.2747	.2303	.1405

#1	1.991	40.86	41.58	41.93	2.092	1.911	42.14	2.055	2.000
#2	1.998	40.87	41.49	41.91	2.093	1.907	42.07	2.049	2.005
#3	1.988	40.67	41.28	41.99	2.083	1.910	41.91	2.058	2.004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.015	2.032	.0938	2.029	1.925	1.954	2.078	1.890	2.046
Stddev	.004	.004	.0022	.003	.006	.005	.008	.005	.004
%RSD	.1751	.2181	2.350	.1668	.2932	.2550	.4046	.2628	.1958

#1	2.014	2.033	.0926	2.030	1.927	1.954	2.074	1.891	2.048
#2	2.012	2.027	.0925	2.026	1.929	1.960	2.087	1.894	2.042
#3	2.019	2.035	.0964	2.032	1.918	1.950	2.072	1.885	2.049

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 3/11/2016 5:09:09 Type: QC
 Method: 60102007_042011(v917) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2488.3	5290.2	4080.9	3787.2
Stddev	.2	13.1	198.	7.3
%RSD	.00660	.24793	.48555	.19305

#1	2488.5	5288.0	40635.	3782.7
#2	2488.2	5304.3	40767.	3795.6
#3	2488.1	5278.4	41024.	3783.3

Sample Name: ICB Acquired: 3/11/2016 5:14:48 Type: QC
 Method: 60102007_042011(v917) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0029	-0.003	.0002	.0001	.0012	.0001	.0000	.0001
Stddev	.0005	.0013	.0006	.0001	.0001	.0020	.0001	.0001	.0000
%RSD	275.6	45.25	198.9	43.10	78.57	164.6	68.24	251.5	31.28
#1	.0007	.0038	.0002	.0001	.0000	-.0007	.0001	.0001	.0001
#2	.0001	.0036	-.0002	.0002	.0002	.0033	.0001	.0000	.0001
#3	-.0002	.0014	-.0009	.0003	.0001	.0011	.0000	.0000	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0077	.0119	.0180	.0001	F-.0015	.0172	.0003	.0006
Stddev	.0002	.0011	.0252	.0111	.0000	.0003	.0045	.0001	.0007
%RSD	85.15	14.17	212.7	62.05	24.20	18.41	26.20	26.36	114.8
#1	.0004	.0089	-.0153	.0150	.0001	.0018	.0184	.0003	.0000
#2	.0000	.0073	.0164	.0303	.0001	.0015	.0210	.0004	.0013
#3	.0004	.0068	.0345	.0086	.0001	.0012	.0122	.0002	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0008	.0008	.0009	.0002	.0002	.0009	.0009	.0001	-.0002
Stddev	.0007	.0006	.0003	.0001	.0002	.0001	.0008	.0001	.0000
%RSD	94.45	81.76	37.11	54.40	100.6	7.856	95.71	48.22	29.02
#1	-.0002	.0012	.0008	.0001	.0000	.0010	.0002	.0001	-.0002
#2	-.0016	.0010	.0013	.0002	.0002	.0009	.0018	.0002	-.0001
#3	-.0005	.0001	.0007	.0003	.0003	.0008	.0006	.0002	-.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 3/11/2016 5:14:48 Type: QC
 Method: 60102007_042011(v917) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2944.5	5597.8	43435.	3883.7
Stddev	6.3	19.1	104.	25.9
%RSD	.21492	.34074	.23917	.66812
#1	2943.3	5612.6	43397.	3913.3
#2	2951.3	5604.6	43552.	3872.9
#3	2938.8	5576.3	43355.	3865.0

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CRIA Acquired: 3/11/2016 5:18:46 Type: QC
 Method: 60102007_042011(v917) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0095	.2195	.0097	.1994	.0052	1.028	.0054	.0535	.0105
Stddev	.0003	.0036	.0004	.0010	.0001	.005	.0000	.0001	.0003
%RSD	3.018	1.622	4.459	4.854	2.141	.5342	.6001	2.156	2.697
#1	.0098	.2235	.0099	.2004	.0053	1.029	.0053	.0536	.0102
#2	.0094	.2184	.0092	.1993	.0051	1.023	.0054	.0535	.0106
#3	.0093	.2167	.0099	.1984	.0053	1.034	.0054	.0534	.0107

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0265	.3039	9.915	5.124	.0164	.0495	10.20	.0436	.0052
Stddev	.0001	.0028	.040	.021	.0001	.0002	.04	.0000	.0005
%RSD	.3994	.9113	.4075	.4153	.6211	.4343	.3939	.0711	10.14
#1	.0265	.3062	9.962	5.105	.0163	.0497	10.16	.0436	.0051
#2	.0264	.3046	9.893	5.121	.0165	.0494	10.24	.0436	.0058
#3	.0266	.3008	9.890	5.147	.0163	.0494	10.19	.0437	.0047

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F-.0039	F-.0121	.0490	.0524	.0100	.0105	.0109	.0492	.0222
Stddev	.0010	.0012	.0004	.0002	.0001	.0000	.0004	.0004	.0002
%RSD	24.83	10.32	.8752	.3767	.6945	.4063	3.279	.7932	.9043
#1	.0028	.0109	.0490	.0525	.0101	.0105	.0108	.0488	.0221
#2	.0045	.0134	.0494	.0525	.0100	.0104	.0114	.0496	.0225
#3	.0044	.0119	.0485	.0521	.0099	.0105	.0107	.0493	.0221

Check ? Chk Fail Chk Fail None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 3/11/2016 5:18:46 Type: QC
 Method: 60102007_042011(v917) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2757.6	5416.8	41670.	3816.6
Stddev	8.2	9.8	221.	25.6
%RSD	.29647	.18000	.53118	.67049
#1	2758.5	5423.6	41810.	3793.5
#2	2765.3	5421.3	41415.	3844.1
#3	2749.0	5405.7	41786.	3812.1

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSEA Acquired: 3/11/2016 5:27:50 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	475.3	.0011	.0008	.0002	468.4	.0000	.0004	.0008
Stddev	.0003	6.8	.0005	.0005	.0000	3.1	.0001	.0001	.0003
%RSD	125.6	1.437	44.54	61.13	16.96	.6667	717.8	33.76	39.57
#1	.0005	468.6	.0013	.0013	.0002	464.9	-.0001	.0003	.0012
#2	.0004	482.3	.0013	.0004	.0002	471.0	.0000	.0004	.0005
#3	-.0001	475.1	.0005	.0007	.0002	469.3	.0001	.0005	.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	178.5	.5509	505.3	.0005	.0002	.7561	.0001	.0003
Stddev	.0001	.3	.0253	1.4	.0000	.0002	.0058	.0002	.0022
%RSD	64.07	.1876	4.600	.2784	7.227	93.20	.7632	170.4	679.1
#1	.0003	178.6	.5796	504.5	.0005	.0001	.7504	.0001	.0027
#2	.0001	178.8	.5319	506.9	.0005	.0001	.7620	-.0001	-.0017
#3	.0002	178.1	.5410	504.5	.0006	.0004	.7560	.0003	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0012	.0000	.0217	F .0031	.0006	.0002	-.0011	.0000	.0001
Stddev	.0001	.004	.0005	.0007	.0001	.0001	.0008	.0001	.0002
%RSD	7.225	9355.0	2.209	21.66	23.11	42.71	76.12	187.4	282.0
#1	-.0012	-.0040	.0223	.0038	.0007	.0003	-.0008	.0000	.0001
#2	-.0012	.0005	.0213	.0028	.0008	.0002	-.0020	.0001	-.0002
#3	-.0013	.0035	.0216	.0026	.0005	.0001	-.0004	.0000	.0003

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSEA Acquired: 3/11/2016 5:27:50 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2209.4	4876.3	36095.	3481.4
Stddev	6.9	13.8	220.	16.9
%RSD	.31136	.28393	.60981	.48600
#1	2211.0	4884.8	36323.	3493.0
#2	2201.9	4883.9	35884.	3462.0
#3	2215.4	4860.4	36078.	3489.1

7.1
7

Sample Name: ICSAB Acquired: 3/11/2016 5:32:49 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.073	511.2	1.120	.5127	.5261	490.3	1.006	.4904	.5306
Stddev	.004	1.8	.003	.0023	.0017	4.0	.001	.0004	.0019
%RSD	.3583	.3611	.2242	.4452	.3253	.8124	.0845	.0730	.3657
#1	1.075	509.6	1.120	.5153	.5276	492.0	1.005	.4901	.5327
#2	1.068	513.2	1.123	.5116	.5242	493.2	1.007	.4904	.5289
#3	1.075	510.8	1.118	.5112	.5265	485.8	1.006	.4908	.5302

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5422	192.2	.0163	535.2	.5307	.9571	.2264	.9981	.9949
Stddev	.0001	.2	.0546	1.0	.0028	.0011	.0007	.0003	.0015
%RSD	.0258	.1202	335.5	.1845	.5262	.1195	.3039	.0312	.1487
#1	.5422	192.5	-.0248	535.6	.5336	.9582	.2257	.9983	.9957
#2	.5421	192.1	-.0046	535.9	.5281	.9573	.2271	.9983	.9958
#3	.5424	192.0	.0783	534.0	.5305	.9559	.2263	.9978	.9932

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.039	1.057	.2979	.9544	1.029	1.035	.9788	.4880	1.006
Stddev	.002	.003	.0006	.0015	.002	.001	.0010	.0008	.001
%RSD	.2257	.3026	.1988	.1528	.2001	.1392	.1048	.1585	.1001
#1	1.037	1.054	.2982	.9556	1.032	1.037	.9796	.4889	1.005
#2	1.041	1.060	.2972	.9549	1.028	1.034	.9776	.4875	1.007
#3	1.041	1.058	.2983	.9528	1.028	1.035	.9790	.4877	1.006

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 3/11/2016 5:32:49 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2153.6	4815.7	35780.	3428.9
Stddev	2.3	3.9	45.	10.2
%RSD	.10672	.08101	.12676	.29715
#1	2151.7	4814.2	35735.	3421.1
#2	2156.2	4820.2	35825.	3425.1
#3	2152.9	4812.8	35779.	3440.4

Sample Name: CCV Acquired: 3/11/2016 5:38:03 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2521	39.92	2.065	2.000	2.031	40.03	2.091	2.069	2.077
Stddev	.0006	.06	.009	.003	.008	.10	.004	.002	.003
%RSD	.2358	.1382	.4602	.1501	.4084	.2488	.1843	.1051	.1417
#1	.2523	39.94	2.056	2.003	2.021	40.07	2.087	2.068	2.074
#2	.2514	39.96	2.064	1.998	2.037	39.92	2.091	2.068	2.080
#3	.2526	39.85	2.075	1.998	2.034	40.11	2.095	2.072	2.077

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.015	39.75	39.66	39.96	2.112	2.082	40.32	2.101	2.051
Stddev	.008	.08	.02	.04	.007	.003	.15	.004	.005
%RSD	.3888	.2004	.0531	.0952	.3119	.1401	.3692	.2065	.2548
#1	2.024	39.68	39.68	39.99	2.106	2.079	40.20	2.096	2.045
#2	2.011	39.83	39.66	39.91	2.119	2.083	40.48	2.102	2.055
#3	2.010	39.73	39.63	39.96	2.112	2.085	40.26	2.105	2.053

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.063	2.055	2.005	2.099	2.054	2.104	2.068	2.096	2.065
Stddev	.001	.000	.002	.003	.008	.003	.003	.006	.003
%RSD	.0504	.0036	.0897	.1377	.3953	.1509	.1561	.2846	.1612
#1	2.062	2.055	2.005	2.097	2.056	2.101	2.065	2.090	2.061
#2	2.064	2.055	2.004	2.098	2.061	2.107	2.067	2.101	2.066
#3	2.064	2.055	2.007	2.102	2.045	2.103	2.071	2.098	2.068

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/11/2016 5:38:03 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2452.5	5202.2	39996.	3718.9
Stddev	2.1	7.7	82.	8.5
%RSD	.08709	.14885	.20454	.22987
#1	2455.0	5208.9	40077.	3714.5
#2	2451.4	5203.8	39914.	3713.4
#3	2451.1	5193.7	39997.	3728.7

Sample Name: CCB Acquired: 3/11/2016 5:43:09 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0107	.0006	.0001	.0000	.0084	.0000	.0000	.0001
Stddev	.0003	.0056	.0012	.0002	.000	.0027	.0000	.0000	.0001
%RSD	52.78	52.09	184.6	367.2	456.7	32.48	423.5	73.67	44.11
#1	.0006	.0130	-.0007	.0002	.0000	.0114	.0000	.0001	.0002
#2	.0007	.0147	.0011	-.0002	.0000	.0062	.0000	.0000	.0002
#3	.0002	.0043	.0015	.0002	.0000	.0075	.0000	.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0099	-.0418	.0114	.0000	.0005	.0183	.0000	.0005
Stddev	.0001	.0019	.0490	.0164	.0000	.0001	.0017	.000	.0001
%RSD	61.16	19.61	117.1	143.8	61.43	24.76	9.380	25430.	19.10
#1	.0004	.0119	-.0021	.0163	.0000	.0005	.0164	.0001	.0006
#2	.0002	.0098	-.0268	-.0069	.0000	.0006	.0197	-.0002	.0004
#3	.0001	.0080	-.0966	.0249	.0000	.0003	.0187	.0001	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0015	.0000	.0010	-.0002	.0000	.0003	.0002	.0001	-.0003
Stddev	.0011	.001	.0002	.0003	.0001	.0001	.0009	.0001	.0000
%RSD	73.44	1810.	25.43	158.3	140.6	57.56	391.2	163.4	18.41
#1	-.0005	.0008	.0010	-.0003	.0000	.0004	.0011	.0000	-.0003
#2	-.0014	-.0004	.0012	.0002	.0000	.0003	.0003	.0000	-.0002
#3	-.0027	-.0005	.0007	-.0005	.0001	.0001	-.0007	.0002	-.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/11/2016 5:43:09 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2956.4	5601.5	43300.	3891.2
Stddev	8.6	2.6	98.	26.4
%RSD	.29147	.04572	.22743	.67753
#1	2947.4	5602.5	43412.	3918.9
#2	2957.1	5598.6	43262.	3866.4
#3	2964.6	5603.5	43227.	3888.3

Sample Name: MP30093-MB1 Acquired: 3/11/2016 5:47:07 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0167	.0000	.0001	-0.0001	.0259	.0000	-0.0001	.0004
Stddev	.0001	.0042	.001	.0002	.0000	.0016	.000	.0001	.0001
%RSD	35.09	25.32	1229.	156.1	17.76	6.358	69.27	107.7	28.12

#1	.0002	.0208	-0.0007	.0000	-0.0001	.0269	.0000	-0.0002	.0003
#2	.0002	.0123	.0004	.0004	-0.0001	.0268	.0000	.0000	.0005
#3	.0003	.0170	.0002	.0000	-0.0001	.0240	.0000	-0.0001	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0087	-0.0044	-0.0122	.0026	-0.0002	.0513	.0004	.0000
Stddev	.0002	.0013	.0357	.0145	.0000	.0001	.0063	.0002	.001
%RSD	45.43	14.45	811.8	119.1	1.488	52.00	12.24	55.64	10080.

#1	.0004	.0074	-0.0264	-0.0126	.0026	-0.0001	.0585	.0001	.0007
#2	.0008	.0099	-0.0236	-0.0265	.0026	-0.0002	.0476	.0005	-0.0006
#3	.0003	.0089	.0368	.0025	.0026	-0.0003	.0476	.0005	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0014	.0012	.0082	.0218	.0000	.0001	-0.0004	.0001	.0014
Stddev	.0001	.0005	.0000	.0002	.0001	.0000	.0005	.0001	.0001
%RSD	7.802	43.66	.1699	.7454	1322.	20.31	117.5	69.93	3.620

#1	-0.0013	.0013	.0082	.0219	-0.0001	.0001	-0.0003	.0001	.0014
#2	-0.0015	.0016	.0081	.0218	.0000	.0001	.0000	.0001	.0014
#3	-0.0015	.0006	.0082	.0216	.0001	.0001	-0.0009	.0003	.0015

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30093-MB1 Acquired: 3/11/2016 5:47:07 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2917.5	5512.5	43426.	3873.5
Stddev	8.4	9.0	155.	27.3
%RSD	.28948	.16367	.35738	.70571

#1	2925.5	5514.6	43574.	3869.2
#2	2918.3	5520.3	43265.	3848.5
#3	2908.7	5502.6	43440.	3902.7

Sample Name: MP30093-B1 Acquired: 3/11/2016 5:51:35 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0492	29.04	2.115	2.115	.0546	26.96	.0549	.5373	2182
Stddev	.0010	.13	.002	.009	.0005	.09	.0002	.0010	.0003
%RSD	2.036	4554	.1095	.4025	.8834	.3384	.3415	.1901	.1382

#1	.0498	28.95	2.117	2.107	.0541	26.87	.0549	.5378	2185
#2	.0497	29.19	2.113	2.124	.0547	27.05	.0548	.5361	2183
#3	.0480	28.98	2.114	2.114	.0550	26.96	.0551	.5380	2179

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2702	27.99	26.46	26.99	.5638	.5435	27.28	.5538	.5221
Stddev	.0006	.13	.05	.11	.0007	.0017	.10	.0012	.0017
%RSD	.2188	.4534	.1872	.3948	.1222	.3146	.3771	.2142	.3305

#1	.2709	27.88	26.41	26.90	.5630	.5445	27.17	.5537	.5234
#2	.2702	28.13	26.49	27.11	.5641	.5415	27.37	.5527	.5201
#3	.2697	27.97	26.49	26.96	.5642	.5444	27.29	.5551	.5227

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5308	2.118	.0251	.5793	.5430	.5634	2.114	.5124	.5444
Stddev	.0005	.005	.0001	.0004	.0022	.0005	.004	.0010	.0014
%RSD	.0860	.2282	.3960	.0692	.4112	.0881	.2132	.1984	.2580

#1	.5308	2.122	.0252	.5797	.5408	.5636	2.114	.5116	.5451
#2	.5303	2.113	.0251	.5791	.5453	.5638	2.109	.5120	.5427
#3	.5312	2.120	.0250	.5790	.5428	.5629	2.118	.5136	.5452

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30093-B1 Acquired: 3/11/2016 5:51:35 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2585.5	5337.6	41061.	3764.8
Stddev	4.2	9.3	64.	23.6
%RSD	.16298	.17350	.15581	.62721

#1	2580.8	5332.1	40988.	3775.5
#2	2586.7	5332.4	41110.	3737.8
#3	2589.0	5348.2	41084.	3781.3

Sample Name: FA32070-3 Acquired: 3/11/2016 5:55:48 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, IS Ref, Avg, Stdev, %RSD) and 11 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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Sample Name: MP30093-SD1 Acquired: 3/11/2016 6:04:51 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, IS Ref, Avg, Stdev, %RSD) and 11 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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Sample Name: MP30093-D1 Acquired: 3/11/2016 6:00:19 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, IS Ref, Avg, Stdev, %RSD) and 11 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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Sample Name: MP30093-PS1 Acquired: 3/11/2016 6:09:08 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, IS Ref, Avg, Stdev, %RSD) and 11 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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7.1

7

Sample Name: MP30093-S1 Acquired: 3/11/2016 6:13:38 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0432	333.9	1.686	5.816	.0533	164.8	.0696	5.639	.8406
Stddev	.0006	1.4	.004	.036	.0003	.7	.0002	.0013	.0033
%RSD	1.440	.4256	.2495	.6131	.5576	.4025	.2171	.2386	.3896
#1	.0426	332.3	1.685	5.775	.0535	164.0	.0695	5.624	.8440
#2	.0434	335.0	1.691	5.835	.0534	165.2	.0697	5.648	.8403
#3	.0438	334.5	1.682	5.839	.0529	165.1	.0697	5.646	.8375
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.186	451.7	114.8	137.3	F 8.818	3.807	29.40	8.948	5.628
Stddev	.001	1.4	.5	.4	.052	.0002	.11	.0030	.007
%RSD	.1053	.3162	.4169	.2688	.5958	.0582	.3640	.3341	.1302
#1	1.185	450.1	114.3	137.1	8.825	.3804	29.28	8.915	5.620
#2	1.186	452.9	114.9	137.7	8.763	.3809	29.47	8.971	5.628
#3	1.187	452.2	115.2	137.0	8.867	.3807	29.46	8.960	5.635
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1163	1.581	3.919	6.362	1.873	F 14.86	1.887	1.218	6.243
Stddev	.0014	.005	.002	.0015	.009	.07	.010	.003	.004
%RSD	1.242	.3041	.0450	.2371	.5038	4.671	.5396	.2142	.0733
#1	.1155	1.586	3.917	6.347	1.862	14.94	1.876	1.221	6.119
#2	.1155	1.582	3.921	6.377	1.877	14.83	1.895	1.218	6.123
#3	.1180	1.576	3.919	6.363	1.880	14.80	1.891	1.216	6.128
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2449.0	6415.2	48755.	45224.					
Stddev	2.6	6.7	337.	6.1					
%RSD	.10475	.10407	.69072	.13482					
#1	2451.3	6421.8	48419.	4525.5					
#2	2446.2	6408.5	49093.	4515.4					
#3	2449.5	6415.2	48753.	4526.4					

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Sample Name: MP30093-S2 Acquired: 3/11/2016 6:18:06 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0431	363.8	1.731	6.459	.0547	186.4	.0757	5.924	.8875
Stddev	.0004	1.8	.003	.034	.0004	.2	.0002	.0002	.0041
%RSD	1.042	.5028	.1425	.5315	.8052	.1326	.2087	.0339	.4615
#1	.0428	365.5	1.733	6.488	.0551	186.4	.0758	5.922	.8885
#2	.0429	361.9	1.728	6.421	.0542	186.1	.0758	5.925	.8910
#3	.0436	364.2	1.730	6.467	.0547	186.6	.0755	5.924	.8830
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.299	501.6	127.9	151.7	F 9.887	3.830	30.68	9.525	6.541
Stddev	.006	1.5	.4	.4	.038	.0005	.22	.0010	.015
%RSD	.4999	.3032	.3082	.2660	.3883	.1235	.7272	.1066	.2330
#1	1.298	502.6	128.1	151.6	9.904	.3825	30.88	9.537	6.548
#2	1.294	499.9	127.4	151.4	9.914	.3835	30.44	9.520	6.552
#3	1.306	502.4	128.1	152.2	9.843	.3831	30.73	9.519	6.524
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1206	1.611	3.818	7.208	2.059	F 15.47	1.965	1.308	6.937
Stddev	.0027	.003	.001	.0007	.016	.10	.008	.003	.005
%RSD	2.236	.1696	.0144	.0978	.7665	.6747	.4202	.2483	.0699
#1	.1211	1.614	3.817	.7200	2.076	15.58	1.972	1.308	6.940
#2	.1176	1.608	3.818	.7213	2.044	15.44	1.968	1.311	6.940
#3	.1229	1.610	3.817	.7210	2.056	15.38	1.956	1.304	6.932
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2399.3	6498.3	49650.	4651.6					
Stddev	4.3	2.4	118.	9.1					
%RSD	.17724	.03725	.23839	.19487					
#1	2398.0	6498.9	49534.	4659.6					
#2	2395.8	6500.4	49645.	4641.8					
#3	2404.0	6495.7	49771.	4653.3					

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Sample Name: FA32070-4 Acquired: 3/11/2016 6:22:35 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0015	300.4	2.239	3.992	.0114	112.8	.0321	1.820	5.848
Stddev	.0002	.7	.0017	.016	.0001	.1	.0002	.0001	.0028
%RSD	13.64	.2438	.7491	4.107	.8168	.0508	.4727	.0750	.4773
#1	.0017	300.1	2.243	3.980	.0115	112.8	.0323	1.822	5.816
#2	.0016	299.9	2.221	3.984	.0113	112.7	.0321	1.820	5.870
#3	.0013	301.2	2.254	4.010	.0115	112.7	.0320	1.819	5.857
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.228	461.1	99.00	119.5	F 8.070	0.269	6.795	4.942	4.868
Stddev	.007	.7	.21	.1	.033	.0006	.037	.0010	.013
%RSD	.5397	.1515	.2145	.0799	.4110	2.286	.5456	.2111	.2747
#1	1.236	461.2	98.83	119.4	8.034	.0265	6.783	4.934	4.866
#2	1.223	460.4	98.93	119.6	8.099	.0267	6.766	4.954	4.855
#3	1.226	461.7	99.24	119.6	8.078	.0276	6.837	4.938	4.882
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0135	.0081	3.598	1.406	1.077	F 14.56	.0003	8.572	5.156
Stddev	.0039	.0066	.004	.0005	.005	.10	.0019	.0026	.010
%RSD	29.28	81.72	.1014	.3211	.4294	.7073	663.2	2.997	.1917
#1	.0162	.0103	3.601	1.401	1.074	14.44	.0019	8.543	5.155
#2	.0089	.0007	3.598	1.407	1.074	14.62	.0016	8.592	5.147
#3	.0152	.0134	3.594	1.410	1.082	14.61	.0011	8.580	5.167
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2466.7	6509.0	49511.	4563.3					
Stddev	7.9	2.6	232.	9.9					
%RSD	.31903	.04031	.46940	.21775					
#1	2461.2	6506.0	49768.	4555.0					
#2	2475.7	6510.1	49316.	4574.3					
#3	2463.1	6510.8	49447.	4560.6					

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Sample Name: FA32070-5 Acquired: 3/11/2016 6:27:06 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0029	271.5	.0950	2.969	.0101	112.6	.0205	1.610	5.509
Stddev	.0004	1.3	.0013	.016	.0002	.5	.0000	.0007	.0008
%RSD	11.90	.4913	1.387	.5497	1.567	.4692	.1701	.4119	1.500
#1	.0033	270.0	.0939	2.950	.0100	112.2	.0205	1.611	5.518
#2	.0026	272.7	.0964	2.976	.0100	113.2	.0204	1.603	5.508
#3	.0030	271.7	.0946	2.980	.0103	112.3	.0205	1.617	5.502
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6285	398.1	88.16	107.7	7.748	0.239	5.464	4.243	2.694
Stddev	.0026	1.0	.35	.6	.026	.0003	.019	.0009	.004
%RSD	.4132	.2438	.3945	.5286	.3381	1.283	.3450	.2227	.1378
#1	.6281	397.2	87.82	107.5	7.773	.0240	5.443	4.239	2.698
#2	.6313	399.1	88.52	108.3	7.721	.0236	5.478	4.237	2.692
#3	.6262	397.9	88.15	107.2	7.751	.0242	5.472	4.254	2.691
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS									

Sample Name: CCV Acquired: 3/11/2016 6:31:39 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2554	40.54	2.102	2.027	2.053	40.43	2.130	2.101	2.099
Stddev	.0017	.08	.005	.008	.007	.26	.006	.005	.003
%RSD	.6621	.1963	.2269	.3842	.3408	.6387	.2952	.2202	.1597
#1	.2565	40.45	2.101	2.021	2.051	40.13	2.124	2.098	2.097
#2	.2561	40.61	2.098	2.036	2.060	40.54	2.130	2.100	2.103
#3	.2534	40.55	2.107	2.024	2.047	40.61	2.137	2.107	2.097

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.049	40.15	40.49	40.43	2.142	2.114	41.29	2.138	2.088
Stddev	.006	.07	.18	.18	.003	.004	.14	.008	.006
%RSD	.2800	.1811	.4394	.4335	.1457	.2038	.3390	.3766	.3135
#1	2.047	40.10	40.30	40.28	2.138	2.111	41.33	2.132	2.083
#2	2.056	40.23	40.65	40.39	2.142	2.112	41.40	2.134	2.085
#3	2.045	40.11	40.54	40.62	2.144	2.119	41.13	2.147	2.095

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.095	2.088	2.036	2.126	2.098	2.140	2.108	2.130	2.094
Stddev	.006	.003	.006	.005	.010	.002	.006	.002	.006
%RSD	.2917	.1224	.2794	.2261	.4910	.1002	.3104	.0896	.2864
#1	2.096	2.085	2.037	2.121	2.098	2.138	2.114	2.128	2.087
#2	2.089	2.089	2.029	2.127	2.109	2.141	2.101	2.129	2.099
#3	2.101	2.090	2.041	2.131	2.088	2.142	2.110	2.132	2.095

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/11/2016 6:31:39 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2427.1	5148.8	39792.	3607.0
Stddev	2.9	5.0	151.	19.8
%RSD	.11858	.09632	.38036	.54881
#1	2425.4	5149.3	39957.	3619.1
#2	2430.4	5153.5	39761.	3617.7
#3	2425.4	5143.6	39659.	3584.1

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Sample Name: CCB Acquired: 3/11/2016 6:35:51 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.0107	-0.0003	.0000	.0001	.0035	.0000	.0000	-0.0001
Stddev	.0004	.0054	.0003	.0000	.0001	.0027	.0000	.0002	.0001
%RSD	64.21	50.67	112.1	126.6	87.10	75.86	49.72	869.1	49.30
#1	.0003	.0109	-0.0006	.0001	.0002	.0058	.0000	.0001	-0.0001
#2	.0005	.0160	.0000	.0000	.0001	.0006	.0001	-.0002	-0.0001
#3	.0011	.0052	-0.0003	.0000	.0000	.0043	.0000	.0001	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0192	.0536	-0.0113	.0002	.0005	.0219	.0003	.0002
Stddev	.0002	.0022	.0104	.0162	.0000	.0002	.0091	.0002	.0001
%RSD	74.58	11.64	19.47	1281.	22.14	35.05	41.72	62.73	65.54
#1	.0001	.0213	.0620	.0171	.0002	.0006	.0213	.0004	.0004
#2	.0003	.0194	.0568	-.0075	.0001	.0006	.0131	.0001	.0002
#3	.0005	.0169	.0419	-.0134	.0002	.0003	.0313	.0003	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0013	.0010	.0028	-0.0002	.0002	.0013	.0000	.0001	-0.0003
Stddev	.0004	.0016	.0003	.0004	.0001	.0001	.0012	.0001	.0000
%RSD	30.55	158.1	12.32	192.1	49.39	6.805	2326.	60.63	17.23
#1	-.0008	.0019	.0030	-.0001	.0003	.0014	.0013	.0002	-.0003
#2	-.0014	.0020	.0029	-.0007	.0003	.0013	-.0002	.0000	-.0002
#3	-.0016	-.0008	.0024	.0002	.0001	.0012	-.0009	.0002	-.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/11/2016 6:35:51 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2852.3	5395.1	41826.	3725.4
Stddev	8.2	10.5	142.	22.0
%RSD	.28846	.19442	.33967	.58933
#1	2855.5	5389.8	41673.	3708.2
#2	2858.4	5407.2	41852.	3717.9
#3	2842.9	5388.4	41954.	3750.2

Sample Name: FA32070-6 Acquired: 3/11/2016 6:40:22 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.034	279.4	1.408	4.988	0.095	270.1	0.046	1.649	7.466
Stddev	.0010	.7	.0011	.020	.0001	.9	.0001	.0002	.0011
%RSD	28.05	.2527	.8111	.3932	1.111	.3425	.1113	.1201	.1462
#1	.0023	279.8	.1396	5.001	.0094	271.1	.0486	1.648	7.478
#2	.0042	279.8	.1408	4.998	.0096	269.6	.0486	1.648	7.465
#3	.0036	278.6	.1419	4.965	.0094	269.5	.0485	1.651	7.456
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.057	393.6	76.02	141.8	7.697	0.293	7.717	5.535	7.710
Stddev	.002	.6	.16	.6	.037	.0003	.048	.0015	.002
%RSD	.1728	.1629	.2120	.3885	.4762	.8735	.6171	.2661	.0291
#1	1.055	394.2	76.21	142.5	7.707	.0294	7.742	5.551	7.708
#2	1.056	393.7	75.91	141.5	7.728	.0296	7.747	5.522	7.712
#3	1.059	392.9	75.95	141.5	7.657	.0291	7.662	5.531	7.711
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	0.106	-0.032	4.097	-1.217	1.625	14.36	-0.031	7.258	8.534
Stddev	.0029	.0043	.004	.0010	.005	.04	.0021	.0019	.008
%RSD	27.17	133.6	.0873	.8285	.2955	.3124	69.94	2.677	.0929
#1	.0087	.0009	4.094	.1206	1.625	14.38	-.0014	7.258	8.525
#2	.0139	-.0076	4.101	.1218	1.630	14.40	-.0023	7.277	8.540
#3	.0092	-.0029	4.097	.1227	1.620	14.31	-.0055	7.238	8.538
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2426.3	6216.6	4705.2	4400.0					
Stddev	2.4	1.1	154.	24.2					
%RSD	.10019	.01787	.32771	.55092					
#1	2428.7	6215.7	4691.4	4372.0					
#2	2426.4	6217.8	4702.3	4413.7					
#3	2423.8	6216.2	4721.8	4414.4					

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Sample Name: FA32070-7 Acquired: 3/11/2016 6:44:56 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.031	275.5	2.636	4.345	0.101	126.9	0.0494	2.073	8.150
Stddev	.0003	.9	.0012	.016	.0001	.4	.0004	.0005	.0027
%RSD	11.12	.3271	.4614	.3682	.9250	.3170	.7560	.2177	.3325
#1	.0035	276.6	.2634	4.363	.0102	127.3	.0490	2.070	8.134
#2	.0031	275.0	.2649	4.331	.0100	126.8	.0495	2.072	8.181
#3	.0028	275.1	.2625	4.342	.0101	126.5	.0497	2.078	8.134
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.338	568.9	62.03	108.5	8.660	0.373	4.132	7.338	9.553
Stddev	.002	1.5	.37	.7	.043	.0006	.011	.0004	.019
%RSD	.1684	.2629	.5895	.6286	.5011	1.500	.2711	.0510	.2012
#1	1.339	570.6	62.42	109.2	8.621	.0375	4.143	7.337	9.537
#2	1.335	568.5	61.99	108.5	8.707	.0377	4.133	7.335	9.546
#3	1.339	567.7	61.70	107.8	8.653	.0366	4.121	7.343	9.574
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	0.206	-0.091	3.704	1.988	1.117	14.82	-0.030	8.434	15.11
Stddev	.0010	.0023	.004	.0014	.002	.12	.0013	.0022	.02
%RSD	4.809	25.77	.0997	.7140	.1358	8.016	43.85	2.556	.1140
#1	.0214	-.0079	3.702	.2002	1.119	14.78	-.0045	8.419	15.12
#2	.0209	-.0075	3.701	.1988	1.116	14.96	-.0021	8.423	15.13
#3	.0195	-.0118	3.708	.1973	1.116	14.73	-.0023	8.458	15.09
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2505.4	6268.9	4806.1	4427.4					
Stddev	4.6	14.4	155.	5.2					
%RSD	.18168	.22961	.32293	.11829					
#1	2504.7	6264.6	4821.8	4421.8					
#2	2510.3	6285.0	4790.8	4432.2					
#3	2501.3	6257.2	4805.7	4428.1					

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Sample Name: FA32070-8 Acquired: 3/11/2016 6:49:27 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.102	286.0	2.675	4.556	0.110	113.3	0.062	1.827	1.113
Stddev	.0005	.6	.0012	.009	.0002	.6	.0001	.0003	.004
%RSD	4.655	.2147	.4324	.2075	1.624	5.561	.1911	.1853	.3699
#1	.0107	285.5	2.666	4.546	.0111	112.7	.0663	1.824	1.117
#2	.0102	285.7	2.670	4.556	.0108	113.2	.0663	1.826	1.109
#3	.0097	286.7	2.688	4.565	.0110	113.9	.0661	1.831	1.112
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.261	420.6	68.60	106.8	7.803	0.277	4.205	5.680	7.503
Stddev	.004	1.4	.13	.6	.019	.0004	.016	.0004	.002
%RSD	2.766	.3384	.1866	.5337	.2440	1.471	.3860	.0774	.0269
#1	1.259	419.4	68.47	106.6	7.811	.0273	4.186	5.679	7.505
#2	1.265	420.2	68.60	106.4	7.816	.0278	4.211	5.685	7.503
#3	1.259	422.2	68.72	107.5	7.781	.0280	4.217	5.677	7.501
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.082	-0.059	4.029	1.827	1.012	13.89	-0.093	8.225	12.43
Stddev	.0009	.0010	.006	.0010	.001	.09	.0016	.0027	.01
%RSD	10.47	17.79	.1386	.5725	.1118	6.767	16.89	3.331	.0804
#1	.0073	-.0050	4.024	.1815	1.010	13.97	-.0093	8.254	12.42
#2	.0090	-.0056	4.028	.1833	1.012	13.92	-.0110	8.199	12.44
#3	.0084	-.0070	4.035	.1834	1.013	13.79	-.0078	8.223	12.43
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2491.1	6408.5	4914.9	4497.8					
Stddev	7.2	10.7	287.	18.6					
%RSD	.29067	.16705	.58401	.41270					
#1	2483.8	6398.6	4890.4	4515.8					
#2	2498.3	6419.9	4907.8	4498.9					
#3	2491.2	6407.1	4946.5	4478.7					

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Sample Name: FA32070-9 Acquired: 3/11/2016 6:53:58 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.020	289.8	1.050	3.894	0.101	130.8	0.0322	1.585	6.666
Stddev	.0004	.5	.0021	.006	.0001	.2	.0001	.0004	.0032
%RSD	18.25	.1762	1.960	.1652	.6082	.1418	.2473	.2441	.4735
#1	.0019	289.2	1.029	3.887	.0102	130.9	.0323	1.589	6.702
#2	.0025	290.2	1.070	3.899	.0101	131.0	.0321	1.581	6.641
#3	.0017	290.0	1.052	3.898	.0101	130.7	.0322	1.584	6.657
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	9.241	414.7	95.51	103.2	5.152	0.343	3.964	5.278	5.018
Stddev	.008	.3	.34	.2	.006	.0003	.018	.0000	.012
%RSD	.0824	.0712	.3548	.2148	.1204	.9487	.4449	.0011	.2417
#1	9.249	415.0	95.1						

Sample Name: FA32070-10 Acquired: 3/11/2016 6:58:31 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0028	266.8	.1130	3.417	.0098	110.4	.0346	1.657	7.716
Stddev	.0001	1.1	.0009	.008	.0002	.7	.0002	.0002	.0018
%RSD	5.162	.4202	.7932	.2423	2.340	.5890	.5932	.1095	.2481
#1	.0029	265.7	.1140	3.408	.0095	109.9	.0346	1.655	7.718
#2	.0028	266.7	.1127	3.420	.0098	110.2	.0349	1.658	7.7157
#3	.0026	268.0	.1122	3.423	.0100	111.2	.0345	1.658	7.7192
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.9303	396.5	81.04	95.15	7.502	.0371	2.273	5.221	5.748
Stddev	.0016	1.2	.39	1.11	.005	.0005	.008	.0006	.013
%RSD	.1704	.2902	.4837	1.163	.0698	1.319	.3490	.1104	.2317
#1	.9315	396.1	80.65	94.72	7.505	.0369	2.279	5.226	5.763
#2	.9285	395.6	81.04	94.32	7.496	.0377	2.264	5.215	5.742
#3	.9310	397.8	81.43	96.41	7.504	.0368	2.275	5.221	5.738
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0151	-.0069	3.447	1.827	.9137	13.89	-.0032	7.551	6.513
Stddev	.0010	.0032	.002	.0016	.0017	.11	.0014	.0039	.011
%RSD	6.668	45.73	.0666	.8973	.1897	.7566	44.26	5.202	.1617
#1	.0162	-.0090	3.444	1.833	.9154	13.99	-.0030	7.596	6.524
#2	.0151	-.0033	3.449	1.839	.9138	13.78	-.0019	7.533	6.503
#3	.0141	-.0085	3.447	1.808	.9120	13.91	-.0047	7.524	6.512
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2503.5	6333.9	4813.2	4434.4					
Stddev	4.2	5.1	159.	43.7					
%RSD	.16960	.08010	.33070	.98580					
#1	2498.6	6332.0	4802.7	4464.5					
#2	2506.0	6339.6	48315.	4454.4					
#3	2505.9	6330.0	48053.	4384.2					

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Sample Name: FA32070-11 Acquired: 3/11/2016 7:03:04 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0026	305.4	.1018	3.874	.0111	130.3	.0225	1.628	6.089
Stddev	.0006	1.2	.0015	.019	.0001	.3	.0002	.0004	.0015
%RSD	24.04	.3813	1.427	.4862	1.284	.2674	.6687	.2672	.2454
#1	.0023	304.3	.1001	3.853	.0112	130.4	.0226	1.623	6.104
#2	.0022	305.4	.1025	3.884	.0109	130.0	.0225	1.628	6.088
#3	.0033	306.6	.1028	3.886	.0111	130.7	.0223	1.632	6.074
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.7036	415.1	100.3	109.6	7.524	.0266	7.328	4.520	3.367
Stddev	.0019	1.3	.1	.3	.074	.0004	.035	.0009	.006
%RSD	.2715	.3251	.0511	.3097	.9868	1.562	.4739	.2034	.1668
#1	.7024	414.1	100.2	109.8	7.600	.0268	7.306	4.513	3.368
#2	.7058	414.5	100.3	109.2	7.520	.0262	7.309	4.518	3.361
#3	.7025	416.6	100.3	109.8	7.452	.0269	7.368	4.531	3.372
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0055	-.0045	3.807	.0934	1.342	13.27	-.0020	7.741	4.257
Stddev	.0008	.0018	.010	.0003	.007	.15	.0035	.0016	.001
%RSD	14.03	40.35	.2510	.3510	.5062	1.161	171.9	.2070	.0169
#1	.0057	-.0051	3.797	.0932	1.335	13.40	.0018	7.759	4.258
#2	.0046	-.0025	3.808	.0938	1.345	13.30	-.0029	7.731	4.256
#3	.0061	-.0059	3.816	.0933	1.347	13.10	-.0050	7.732	4.257
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2479.9	6457.4	4904.0	4475.4					
Stddev	6.1	4.2	317.	11.1					
%RSD	.24600	.06564	.64571	.24743					
#1	2475.0	6454.3	4880.3	4465.7					
#2	2486.7	6462.2	4891.9	4487.5					
#3	2478.0	6455.7	4940.0	4473.0					

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Sample Name: FA32070-12 Acquired: 3/11/2016 7:07:38 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0031	268.8	.1201	3.640	.0094	481.7	.0264	1.524	5.900
Stddev	.0006	1.0	.0003	.007	.0002	3.6	.0003	.0002	.0011
%RSD	19.60	.3656	.2576	.1936	1.958	.7535	1.173	.1007	.1809
#1	.0024	268.7	.1203	3.637	.0095	479.5	.0267	1.522	5.908
#2	.0034	269.9	.1197	3.648	.0095	479.7	.0261	1.525	5.905
#3	.0034	268.0	.1203	3.634	.0092	485.9	.0263	1.523	5.888
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.8514	400.8	99.38	112.2	7.269	.0289	10.56	4.346	3.736
Stddev	.0041	2.2	.25	.7	.045	.0004	.04	.0011	.004
%RSD	.4816	.5608	.2543	.6516	.6154	1.281	.4205	.2631	.1043
#1	.8467	400.0	99.54	111.8	7.303	.0291	10.55	4.339	3.740
#2	.8534	403.4	99.51	113.0	7.218	.0284	10.61	4.339	3.734
#3	.8542	399.1	99.09	111.7	7.287	.0290	10.52	4.359	3.733
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0093	-.0032	3.733	1.076	2.070	12.80	-.0020	7.442	4.875
Stddev	.0038	.0010	.002	.0014	.007	.06	.0063	.0009	.013
%RSD	40.56	30.58	.0574	1.287	.3339	4.990	320.3	.1146	.2555
#1	.0131	-.0043	3.735	1.066	2.068	12.87	.0053	7.452	4.862
#2	.0093	-.0025	3.730	1.070	2.078	12.75	-.0052	7.437	4.878
#3	.0056	-.0028	3.733	1.092	2.065	12.78	-.0060	7.438	4.886
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2385.0	6152.7	4707.6	4340.3					
Stddev	2.3	8.6	53.	3.1					
%RSD	.09635	.13900	.11270	.07041					
#1	2383.4	6143.4	4705.8	4337.0					
#2	2383.9	6154.4	4713.5	4343.1					
#3	2387.6	6160.3	4703.4	4340.7					

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Sample Name: FA32070-13 Acquired: 3/11/2016 7:12:20 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0043	304.0	.1368	6.163	.0112	171.2	.0382	1.763	6.944
Stddev	.0010	.3	.0009	.010	.0002	.4	.0003	.0002	.0003
%RSD	23.13	.0881	.6630	.1645	1.426	.2421	.8278	.1034	.0374
#1	.0053	304.3	.1378	6.157	.0114	171.6	.0379	1.764	6.947
#2	.0042	303.7	.1361	6.157	.0111	170.7	.0385	1.761	6.942
#3	.0033	303.9	.1364	6.174	.0111	171.1	.0382	1.765	6.945
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	1.009	438.5	110.3	117.4	8.421	.0311	7.036	4.982	5.964
Stddev	.002	1.3	.4	.4	.036	.0003	.030	.0013	.003
%RSD	.1717	.3045	.3341	.3346	.4229	1.115	.4302	.2701	.0553
#1	1.011	440.0	110.2	117.8	8.396	.0313	7.029	4.967	5.968
#2	1.007	437.8	109.9	117.0	8.404	.0307	7.069	4.991	5.962
#3	1.010	437.6	110.7	117.4	8.461	.0312	7.009	4.988	5.962
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_224								

Sample Name: FA32070-14 Acquired: 3/11/2016 7:16:52 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0032	296.2	1.139	4.603	.0111	130.3	.0328	1.890	.6873
Stddev	.0008	1.0	.0013	.019	.0001	.7	.0001	.0007	.0016
%RSD	23.42	.3542	1.181	.4156	.7437	.5048	.1650	.3775	.2375
#1	.0024	295.7	.1148	4.610	.0111	129.8	.0327	1.887	.6854
#2	.0036	297.4	.1145	4.618	.0110	131.1	.0327	1.898	.6883
#3	.0037	295.4	.1124	4.582	.0111	130.0	.0328	1.885	.6881
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.106	425.7	112.1	110.9	F 8.863	.0313	5.104	5.079	5.988
Stddev	.001	1.9	.5	.5	.031	.0005	.041	.0009	.015
%RSD	.1094	.4540	.4353	.4513	.3473	1.462	.8067	.1784	.2549
#1	1.105	423.9	112.0	110.4	8.838	.0314	5.077	5.069	5.973
#2	1.107	427.7	112.6	111.4	8.897	.0308	5.152	5.087	5.988
#3	1.106	425.5	111.7	111.0	8.854	.0317	5.084	5.082	6.004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0140	-.0037	3.696	2.189	1.349	F 14.29	-.0040	8.024	6.712
Stddev	.0009	.0081	.014	.0004	.006	.03	.0040	.0033	.018
%RSD	6.662	215.3	.3888	.1853	.4200	.2414	100.5	4.064	.2651
#1	.0134	-.0056	3.679	.2193	1.348	14.26	-.0047	7.987	6.730
#2	.0137	-.0084	3.707	.2185	1.355	14.29	-.0075	8.037	6.712
#3	.0151	-.0084	3.701	.2189	1.344	14.33	.0003	8.049	6.695
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2476.8	6446.7	49263.	4520.5					
Stddev	4.8	15.2	92.	29.3					
%RSD	.19370	.23566	.18611	.64745					
#1	2481.8	6454.9	49369.	4540.5					
#2	2472.2	6429.1	49206.	4486.9					
#3	2476.4	6456.0	49214.	4534.1					

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Sample Name: FA32070-15 Acquired: 3/11/2016 7:21:25 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0015	307.3	1.255	6.198	.0118	85.90	.0309	1.820	.7503
Stddev	.0007	3.1	.0027	.063	.0002	.78	.0005	.0007	.0016
%RSD	50.24	1.005	2.165	1.011	1.840	.9078	1.541	.3811	.0869
#1	.0007	306.0	.1245	6.180	.0116	85.60	.0306	1.813	.7504
#2	.0021	310.8	.1234	6.268	.0120	86.79	.0306	1.822	.7496
#3	.0016	305.1	.1286	6.147	.0117	85.32	.0314	1.827	.7508
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	6.850	451.4	102.9	110.3	7.758	.0310	4.965	4.551	F 11.51
Stddev	.0013	4.7	1.0	1.2	.056	.0002	.037	.0016	.03
%RSD	.1911	1.044	1.014	1.072	.7201	.6569	.7372	.3469	.2220
#1	.6864	449.4	102.6	110.2	7.792	.0311	4.943	4.533	11.50
#2	.6838	456.8	104.1	111.5	7.788	.0308	5.008	4.555	11.54
#3	.6848	448.1	102.0	109.2	7.694	.0312	4.945	4.564	11.50
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0055	-.0088	3.553	2.102	1.812	F 14.78	-.0010	8.866	5.693
Stddev	.0022	.0042	.005	.0002	.0093	.08	.0042	.0014	.012
%RSD	39.47	47.76	.1416	.2192	1.139	5.282	441.9	.1635	.2132
#1	.0076	-.0103	3.550	.1023	.8110	14.77	.0056	8.861	5.679
#2	.0033	-.0040	3.551	.1021	.8279	14.86	-.0026	8.854	5.700
#3	.0057	-.0120	3.559	.1018	.8127	14.70	-.0001	8.882	5.701
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2524.8	6670.7	51427.	4725.0					
Stddev	2.2	12.6	84.	44.4					
%RSD	.08524	.18932	.16323	.93980					
#1	2526.2	6681.8	51448.	4758.3					
#2	2522.3	6673.4	51335.	4674.6					
#3	2525.8	6656.9	51498.	4742.1					

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7.1
7

Sample Name: CCV Acquired: 3/11/2016 7:25:58 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2563	40.16	2.107	2.042	2.033	39.84	2.126	2.103	2.071
Stddev	.0012	.27	.005	.013	.012	.21	.003	.003	.004
%RSD	.4693	.6694	.2166	.6586	.5674	.5232	.1241	.1278	.1992
#1	.2550	40.30	2.113	2.043	2.036	40.02	2.128	2.106	2.072
#2	.2573	40.33	2.104	2.055	2.043	39.87	2.125	2.102	2.074
#3	.2567	39.85	2.105	2.028	2.020	39.61	2.123	2.101	2.066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.037	39.47	40.34	39.13	2.103	2.115	41.29	2.139	2.082
Stddev	.009	.17	.27	.29	.002	.003	.32	.002	.004
%RSD	.4226	.4333	.6587	.7538	.1033	.1615	.7673	.0699	.1938
#1	2.031	39.49	40.44	39.41	2.104	2.119	41.31	2.141	2.086
#2	2.032	39.63	40.53	39.16	2.104	2.115	41.59	2.138	2.078
#3	2.047	39.29	40.03	38.82	2.100	2.112	40.96	2.138	2.081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.106	2.098	2.048	2.124	2.095	2.117	2.102	2.126	2.074
Stddev	.008	.001	.006	.004	.017	.001	.001	.006	.003
%RSD	.3610	.0644	.3006	.1633	.7924	.0365	.0394	.2827	.1376
#1	2.112	2.098	2.055	2.127	2.089	2.116	2.102	2.122	2.075
#2	2.108	2.099	2.045	2.125	2.113	2.117	2.103	2.132	2.077
#3	2.097	2.096	2.044	2.120	2.082	2.117	2.101	2.122	2.071
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 3/11/2016 7:25:58 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2440.5	5168.1	40468.	3697.0					
Stddev	7.7	12.1	135.	25.0					
%RSD	.31554	.23322	.33360	.67638					
#1	2438.7	5162.9	40505.	3673.5					
#2	2449.0	5181.8	40319.	3694.3					
#3	2433.9	5159.5	40581.	3723.3					

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Sample Name: CCB Acquired: 3/11/2016 7:30:08 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0089	.0000	.0000	.0000	.0021	.0000	.0001	.0000
Stddev	.0002	.0031	.000	.0003	.0000	.0036	.0000	.0001	.0002
%RSD	35.32	35.03	700.4	1029.	121.4	172.9	106.0	58.13	492.2
#1	.0005	.0115	.0002	.0003	.0000	.0050	.0000	.0001	.0002
#2	.0004	.0055	.0001	.0001	.0000	.0031	.0001	.0002	-.0001
#3	.0007	.0098	-.0004	-.0003	.0000	-.0019	.0000	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0186	.0550	.0071	.0002	.0007	.0228	.0001	.0007
Stddev	.0001	.0029	.0258	.0111	.0000	.0002	.0072	.0001	.0003
%RSD	27.87	15.81	46.92	155.9	12.37	30.49	31.61	71.29	49.21
#1	.0004	.0220	.0270	-.0049	.0002	.0009	.0308	.0000	.0003
#2	.0004	.0176	.0601	.0169	.0002	.0007	.0207	.0002	.0007
#3	.0006	.0164	.0779	.0093	.0002	.0005	.0168	.0002	.0010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0009	.0018	.0028	.0000	.0001	.0013	.0011	.0001	-.0002
Stddev	.0001	.0005	.0009	.000	.0001	.0000	.0007	.0001	.0001
%RSD	14.86	25.82	32.04	1928.	59.38	2.862	61.34	112.0	50.64
#1	-.0011	.0014	.0022	.0000	.0002	.0013	.0013	.0002	-.0001
#2	-.0009	.0016	.0023	.0003	.0001	.0014	.0003	.0000	-.0002
#3	-.0008	.0023	.0038	-.0004	.0001	.0013	.0016	.0001	-.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/11/2016 7:30:08 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2914.6	5496.1	42945.	3797.8
Stddev	.9	2.6	96.	5.9
%RSD	.02992	.04679	.22414	.15502
#1	2915.0	5493.2	42932.	3791.1
#2	2915.3	5496.8	43047.	3799.8
#3	2913.6	5498.2	42856.	3802.4

Sample Name: FA32070-16 Acquired: 3/11/2016 7:34:39 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0016	328.9	.1139	4.700	.0130	120.8	.0269	.2097	.6184
Stddev	.0005	1.1	.0021	.014	.0000	.8	.0001	.0006	.0014
%RSD	33.30	3244	1.859	.3018	.3040	6.360	.4279	.2904	.2276
#1	.0021	329.5	.1153	4.709	.0131	121.5	.0268	.2103	.6197
#2	.0016	329.5	.1114	4.707	.0130	120.8	.0268	.2091	.6169
#3	.0011	327.6	.1149	4.683	.0130	120.0	.0270	.2097	.6185

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.9170	491.0	104.6	130.3	F 9.092	.0271	7.447	5.195	3.301
Stddev	.0047	2.0	5	5	.029	.0004	.011	.0015	.005
%RSD	.5083	.3978	.4689	.4178	.3140	1.316	.1430	.2882	.1588
#1	.9219	492.9	104.9	130.8	9.124	.0267	7.436	5.196	3.306
#2	.9127	491.1	104.8	130.4	9.071	.0273	7.457	5.179	3.303
#3	.9165	489.0	104.0	129.7	9.081	.0273	7.447	5.209	3.295

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0220	-.0071	3.638	1.774	1.267	F 13.78	-.0024	9.617	4.236
Stddev	.0041	.0036	.002	.0007	.004	.08	.0005	.0019	.013
%RSD	18.60	50.30	.0492	.4002	.2990	6.026	23.06	.1970	.2950
#1	.0203	-.0069	3.636	1.782	1.269	13.74	-.0027	9.599	4.244
#2	.0266	-.0036	3.638	1.768	1.269	13.87	-.0017	9.637	4.222
#3	.0190	-.0107	3.640	1.772	1.263	13.72	-.0027	9.614	4.243

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2465.1	6705.7	51489.	4723.1
Stddev	6.3	3.6	110.	25.5
%RSD	.25640	.05414	.21418	.53965
#1	2466.1	6708.5	51389.	4700.9
#2	2458.3	6701.6	51471.	4717.5
#3	2470.8	6707.1	51607.	4751.0

Sample Name: FA32070-17 Acquired: 3/11/2016 7:39:12 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0008	331.4	.0896	3.379	.0134	98.61	.0178	.1970	.5836
Stddev	.0011	1.3	.0019	.004	.0001	.51	.0003	.0004	.0024
%RSD	134.7	.3837	2.173	.1188	.7521	5.161	1.871	2.200	.4127
#1	-.0016	332.8	.0918	3.383	.0134	98.88	.0174	.1973	.5856
#2	-.0013	330.3	.0888	3.376	.0134	98.02	.0181	.1973	.5809
#3	-.0004	331.0	.0882	3.377	.0135	98.93	.0179	.1965	.5841

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.5475	473.5	98.70	118.8	F 8.536	.0338	7.472	4.909	3.754
Stddev	.0012	2.6	.35	.9	.102	.0005	.013	.0008	.0012
%RSD	.2114	.5553	.3596	.7821	1.201	1.532	.1690	.1707	.3151
#1	.5470	476.4	99.08	119.6	8.571	.0339	7.480	4.916	.3767
#2	.5488	471.3	98.38	117.8	8.421	.0332	7.458	4.913	.3751
#3	.5466	472.7	98.64	119.0	8.617	.0342	7.479	4.900	.3743

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0025	-.0079	5.588	.0441	1.079	F 13.35	-.0033	9.317	1.520
Stddev	.0029	.0045	.006	.0005	.005	.09	.0036	.0015	.004
%RSD	113.3	56.59	.1029	1.190	.4780	.7050	106.5	.1647	.2909
#1	.0024	-.0093	5.582	.0436	1.084	13.32	-.0057	9.331	1.524
#2	.0055	-.0115	5.593	.0439	1.079	13.27	-.0051	9.301	1.519
#3	-.0002	-.0029	5.590	.0446	1.074	13.46	.0008	9.319	1.516

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2501.4	6951.3	53501.	4879.5
Stddev	2.2	5.4	451.	50.8
%RSD	.08808	.07754	.84211	1.0420
#1	2502.7	6956.0	53395.	4828.6
#2	2498.9	6952.4	53995.	4930.3
#3	2502.7	6945.4	53112.	4879.4

Sample Name: FA32070-18 Acquired: 3/11/2016 7:43:45 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.013	380.6	.0979	3.859	.0156	108.1	.0187	2.105	.6523
Stddev	.0008	1.2	.0002	.017	.0001	.3	.0002	.0004	.0002
%RSD	64.45	.3142	.1737	.4453	.5281	.3032	1.311	.1677	.0372
#1	-.0014	379.9	.0977	3.850	.0157	108.1	.0185	2.107	.6525
#2	-.0004	380.0	.0978	3.849	.0156	107.7	.0189	2.101	.6524
#3	-.0021	382.0	.0980	3.879	.0156	108.3	.0185	2.108	.6520
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.5766	532.3	92.37	130.7	8.540	.0339	9.711	5.452	2.112
Stddev	.0003	.7	.30	.3	.054	.0004	.009	.0009	.0035
%RSD	.0531	.1377	.3236	.2516	.6342	1.034	.0917	.1656	1.680
#1	.5767	532.3	92.36	131.0	8.484	.0335	9.705	5.457	2.071
#2	.5762	531.6	92.07	130.4	8.593	.0342	9.707	5.441	2.129
#3	.5768	533.0	92.67	130.7	8.544	.0338	9.722	5.457	2.135
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	-0.0007	-0.134	5.087	0.232	1.148	11.64	-0.002	1.038	1.437
Stddev	.0024	.0032	.011	.0001	.003	.04	.0032	.002	.005
%RSD	343.7	24.24	.2170	.6244	.2464	.3673	2034.	.1512	.3451
#1	-.0031	-.0106	5.081	.0233	1.145	11.59	.0026	1.040	1.440
#2	-.0006	-.0126	5.099	.0231	1.148	11.67	-.0037	1.038	1.431
#3	-.0016	-.0170	5.080	.0230	1.151	11.65	.0006	1.036	1.440
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2463.7	7134.6	5523.0	5062.3					
Stddev	2.6	13.6	71.	15.0					
%RSD	.10361	.19003	.12786	.29684					
#1	2463.8	7126.2	55298.	5044.9					
#2	2461.1	7127.4	55157.	5071.3					
#3	2466.2	7150.3	55234.	5070.6					

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Sample Name: FA32070-19 Acquired: 3/11/2016 7:48:18 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0036	296.7	.1685	5.371	.0104	211.7	.0439	1.786	.8172
Stddev	.0009	.7	.0032	.005	.0001	.8	.0005	.0005	.0007
%RSD	23.90	.2412	1.927	.0863	1.141	.3900	1.047	.2528	.0874
#1	.0026	297.3	.1722	5.375	.0105	212.3	.0438	1.781	.8180
#2	.0039	295.9	.1660	5.371	.0104	210.8	.0444	1.790	.8166
#3	.0043	297.0	.1674	5.366	.0103	212.2	.0435	1.786	.8171
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	1.197	420.2	87.81	120.6	8.018	.0330	6.812	6.010	7.151
Stddev	.006	1.4	.19	.6	.050	.0004	.042	.0010	.015
%RSD	.5233	.3296	.2165	.4819	.6243	1.233	.6116	.1737	.2038
#1	1.194	420.7	87.98	120.6	8.041	.0326	6.806	6.005	7.135
#2	1.204	418.6	87.60	120.0	7.961	.0334	6.774	6.022	7.155
#3	1.193	421.2	87.85	121.1	8.053	.0329	6.856	6.002	7.163
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0098	-0.035	5.156	1.429	1.622	14.65	-0.036	.7786	9.154
Stddev	.0027	.0024	.013	.0009	.003	.05	.0012	.0018	.010
%RSD	27.68	70.08	.2561	.6561	.1866	.3240	.3358	.2273	.1051
#1	.0074	-.0042	5.149	.1425	1.624	14.69	-.0049	.7799	9.148
#2	.0127	-.0008	5.172	.1422	1.618	14.60	-.0032	.7766	9.148
#3	.0091	-.0055	5.148	.1439	1.623	14.64	-.0026	.7792	9.165
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2463.8	6340.1	49489.	4574.0					
Stddev	4.2	3.0	29.	15.3					
%RSD	.16845	.04770	.05942	.33533					
#1	2466.0	6338.5	49498.	4570.4					
#2	2466.5	6338.3	49512.	4590.8					
#3	2459.0	6343.6	49456.	4560.8					

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Sample Name: FA32070-20 Acquired: 3/11/2016 7:52:48 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0047	244.3	.1755	4.238	.0087	118.2	.0388	1.661	.7490
Stddev	.0006	.1	.0019	.009	.0001	.2	.0001	.0004	.0020
%RSD	11.93	.0553	1.090	.2182	.9990	.1451	.3444	.2682	.2612
#1	.0045	244.1	.1774	4.234	.0088	118.0	.0390	1.665	.7487
#2	.0042	244.3	.1754	4.231	.0086	118.4	.0387	1.657	.7511
#3	.0053	244.4	.1736	4.248	.0087	118.2	.0388	1.660	.7472
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	1.070	365.1	54.24	95.52	7.064	.0240	4.011	5.316	9.680
Stddev	.004	.8	.08	.29	.030	.0005	.003	.0004	.008
%RSD	.3552	.2327	.1513	.3046	.4250	2.040	.0792	.0679	.0856
#1	1.067	364.9	54.28	95.46	7.052	.0238	4.008	5.318	9.672
#2	1.074	366.0	54.14	95.83	7.098	.0245	4.012	5.319	9.689
#3	1.067	364.3	54.29	95.26	7.041	.0235	4.014	5.312	9.679
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0075	-0.020	4.610	1.664	1.046	13.47	-0.043	7.021	13.27
Stddev	.0027	.0049	.006	.0003	.002	.10	.0022	.0019	.03
%RSD	35.31	245.7	.1213	.1835	.1475	.7613	51.63	.2676	.2145
#1	.0090	-.0066	4.605	.1667	1.045	13.35	-.0049	7.043	13.26
#2	.0092	.0032	4.609	.1664	1.048	13.55	-.0019	7.012	13.30
#3	.0045	-.0026	4.616	.1661	1.045	13.50	-.0062	7.009	13.24
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2542.5	6248.9	48547.	4452.4					
Stddev	2.3	6.8	166.	15.3					
%RSD	.09223	.10876	.34246	.34399					
#1	2540.9	6242.2	48602.	4469.5					
#2	2545.2	6255.8	48360.	4447.7					
#3	2541.4	6248.6	48679.	4440.0					

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Sample Name: FA32070-21 Acquired: 3/11/2016 7:57:19 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0034	295.6	.1424	4.712	.0115	138.9	.0438	1.848	.6562
Stddev	.0005	1.4	.0018	.019	.0002	.7	.0007	.0021	.0060
%RSD	15.08	.4570	1.259	.4062	1.512	.4820	1.681	1.125	.9151
#1	.0039	296.1	.1410	4.726	.0116	139.1	.0431	1.827	.6631
#2	.0033	296.7	.1444	4.721	.0116	139.5	.0438	1.850	.6534
#3	.0029	294.1	.1419	4.690	.0113	138.2	.0445	1.868	.6521
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.9222	456.3	104.9	111.5	8.268	.0284	6.814	4.905	3.442
Stddev	.0062	2.0	.3	.6	.107	.0003	.021	.0038	.039
%RSD	.6696	.4380	.2771	.5584	1.293	1.219	.3061	.7725	1.144
#1	.9291	456.6	105.1	111.8					

Sample Name: FA32070-22 Acquired: 3/11/2016 8:01:52 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0021	340.4	.1505	4.801	.0135	127.4	.0348	2.202	.6750
Stddev	.0007	.3	.0014	.013	.0001	.2	.0001	.0001	.0036
%RSD	30.60	.0766	.9374	.2737	.4962	.1350	.1745	.0404	.5317
#1	.0016	340.1	.1491	4.787	.0134	127.5	.0348	2.201	.6774
#2	.0029	340.5	.1519	4.803	.0135	127.2	.0349	2.202	.6708
#3	.0019	340.6	.1505	4.813	.0135	127.4	.0348	2.201	.6766
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.8578	496.3	117.2	125.9	F 9.765	.0299	6.876	5.426	2.573
Stddev	.0029	.4	.2	.3	.076	.0004	.024	.0009	.007
%RSD	.3354	.0765	.1294	.2146	.7800	1.342	.3419	.1581	.2551
#1	.8546	496.1	117.0	126.2	9.724	.0303	6.851	5.422	2.573
#2	.8585	496.7	117.3	125.6	9.719	.0299	6.879	5.435	2.579
#3	.8603	496.0	117.2	126.0	9.853	.0295	6.898	5.420	2.566
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0071	-0.0069	5.258	1.039	1.281	F 13.91	-0.005	9.228	3.978
Stddev	.0015	.0016	.008	.0012	.003	.11	.0008	.0022	.003
%RSD	21.50	23.85	.1466	1.130	.2008	.7849	165.5	2.367	.0668
#1	.0073	-0.0080	5.257	1.034	1.278	13.91	.0004	9.236	3.976
#2	.0054	-0.0050	5.251	1.052	1.283	13.80	-0.006	9.204	3.981
#3	.0084	-0.0076	5.266	1.030	1.283	14.02	-0.012	9.246	3.977
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2477.8	6775.0	52696.	4888.0					
Stddev	1.5	7.2	291.	13.1					
%RSD	.05872	.10600	.55291	.26821					
#1	2478.2	6780.2	52600.	4875.4					
#2	2479.1	6777.9	53024.	4886.9					
#3	2476.2	6766.8	52465.	4901.6					

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Sample Name: MP30094-MB1 Acquired: 3/11/2016 8:06:25 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0234	-0.0009	.0001	-0.0001	.0217	-0.0001	-0.0001	.0007
Stddev	.0003	.0096	.0008	.0002	.0001	.0017	.0000	.0001	.0002
%RSD	71.30	41.00	89.33	134.4	41.31	7.885	31.77	97.42	22.88
#1	.0005	.0185	-0.0006	-0.0001	-0.0001	.0214	-0.0001	.0000	.0008
#2	.0001	.0345	-0.0018	.0002	-0.0002	.0202	.0000	-0.0001	.0005
#3	.0008	.0173	-0.0003	.0003	-0.0001	.0236	-0.0001	-0.0001	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	F 3.845	.0724	-0.0061	.0032	-0.0007	.0449	.0003	.0001
Stddev	.0002	.0025	.0283	.0207	.0000	.0001	.0047	.0002	.0001
%RSD	28.35	.6448	39.18	338.4	.8737	17.97	10.38	58.88	113.8
#1	.0007	.3826	.0598	-0.298	.0033	-0.0008	.0405	.0004	.0001
#2	.0007	.3873	.0524	.0087	.0032	-0.0008	.0498	.0001	.0003
#3	.0004	.3836	.1048	.0028	.0032	-0.0006	.0445	.0005	.0000
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.1500							
Low Limit		-.1500							
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0012	.0013	.0079	.0193	.0000	.0029	.0003	.0000	.0013
Stddev	.0002	.0002	.0002	.0002	.000	.0003	.0016	.0001	.0000
%RSD	18.09	14.50	3.120	9.254	56.97	11.17	448.2	337.7	.7676
#1	-0.0014	.0014	.0077	.0195	.0000	.0031	.0015	.0000	.0013
#2	-0.0012	.0011	.0082	.0191	.0000	.0031	-0.0014	.0000	.0013
#3	-0.0009	.0014	.0078	.0192	-0.0001	.0025	.0010	.0002	.0013
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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7.1
7

Sample Name: MP30094-MB1 Acquired: 3/11/2016 8:06:25 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2960.0	5553.6	44486.	3930.0
Stddev	.8	6.5	154.	8.2
%RSD	.02767	.11709	.34697	.20848
#1	2960.1	5552.2	44310.	3920.7
#2	2960.8	5560.7	44550.	3936.3
#3	2959.2	5548.0	44598.	3933.1

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Sample Name: MP30094-B1 Acquired: 3/11/2016 8:10:56 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0498	28.82	2.134	2.144	.0544	26.42	.0550	.5404	.2157
Stddev	.0009	.11	.004	.003	.0004	.09	.0002	.0005	.0007
%RSD	1.888	.3968	.2096	.1543	.7016	.3301	.3331	.0887	.3181
#1	.0494	28.75	2.139	2.140	.0541	26.35	.0551	.5409	.2153
#2	.0509	28.95	2.132	2.147	.0548	26.52	.0551	.5402	.2165
#3	.0492	28.75	2.130	2.144	.0543	26.39	.0548	.5401	.2154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2727	27.46	26.67	26.05	.5596	.5452	27.58	.5577	.5198
Stddev	.0022	.21	.08	.21	.0013	.0008	.14	.0004	.0007
%RSD	.7993	.7780	.3114	.8041	.2382	.1538	.4939	.0675	.1288
#1	.2711	27.28	26.57	26.03	.5585	.5461	27.52	.5580	.5205
#2	.2752	27.70	26.73	26.26	.5610	.5450	27.73	.5577	.5195
#3	.2718	27.41	26.70	25.85	.5591	.5445	27.48	.5573	.5193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5432	2.138	.0269	.5742	.5498	.5623	2.117	.5130	.5339
Stddev	.0013	.002	.0005	.0004	.0028	.0019	.004	.0021	.0005
%RSD	.2377	.1134	1.704	.0706	.5072	.3453	.2028	.4165	.0954
#1	.5417	2.139	.0267	.5738	.5479	.5609	2.112	.5135	.5335
#2	.5438	2.135	.0274	.5742	.5530	.5645	2.118	.5149	.5337
#3	.5441	2.139	.0266	.5746	.5486	.5614	2.120	.5107	.5345
Check ?	Chk Pass	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: MP30094-B1 Acquired: 3/11/2016 8:10:56 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2593.8	5300.9	41454.	3759.0
Stddev	3.0	4.0	173.	24.5
%RSD	.11555	.07554	.41705	.65060
#1	2595.5	5297.2	41584.	3769.1
#2	2590.3	5300.2	41258.	3731.1
#3	2595.6	5305.2	41521.	3776.7

Sample Name: FA32068-9 Acquired: 3/11/2016 8:15:09 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	0.0646	235.4	2913	9.724	0.0082	222.1	0.0744	1.506	1.109
Stddev	.0007	.3	.0019	.018	.0001	.2	.0005	.0006	.006
%RSD	1.069	.1261	.6548	.1796	.8754	.0719	.6526	.3778	.5317
#1	.0648	235.4	.2897	9.705	.0082	222.3	.0739	1.502	1.116
#2	.0652	235.2	.2907	9.739	.0083	222.0	.0746	1.503	1.105
#3	.0639	235.8	.2934	9.727	.0081	222.0	.0747	1.512	1.106
Elem	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_3710)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	2.126	426.3	68.32	88.09	7.911	0.506	5.295	5.966	14.11
Stddev	.004	.7	.08	.40	.043	.0004	.008	.005	.03
%RSD	.2091	.1562	.1163	.4560	.5408	.8613	.1593	.0871	.2082
#1	2.121	426.3	68.32	88.22	7.945	.0511	5.295	5.963	14.13
#2	2.127	425.6	68.40	87.64	7.863	.0503	5.286	5.964	14.13
#3	2.130	426.9	68.24	88.42	7.924	.0504	5.303	5.972	14.07
Elem	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	0.301	0.148	4.355	2.958	1.848	10.86	-0.016	6.958	14.24
Stddev	.0018	.0036	.014	.0009	.003	.09	.0021	.0021	.03
%RSD	6.134	24.12	.3229	.2885	.1593	.7854	126.6	.2999	.2440
#1	.0308	.0178	4.339	.2959	1.845	10.96	-0.040	6.977	14.28
#2	.0316	.0108	4.363	.2966	1.847	10.85	-0.009	6.962	14.23
#3	.0280	.0158	4.363	.2949	1.851	10.79	.0000	6.936	14.22
Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S					
Avg	2493.0	6063.9	47087.	4345.1					
Stddev	3.3	13.6	152.	25.9					
%RSD	.13287	.22372	.32219	.59559					
#1	2495.8	6079.4	46914.	4336.4					
#2	2489.3	6058.4	47197.	4374.2					
#3	2493.8	6054.0	47151.	4324.7					

Sample Name: CCV Acquired: 3/11/2016 8:19:40 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	2.530	39.84	2.087	2.027	2.012	39.14	2.087	2.075	2.039
Stddev	.0001	.06	.004	.004	.002	.07	.004	.002	.004
%RSD	.0409	.1393	.2063	.1915	.0985	.1860	.1826	.0727	.2045
#1	.2529	39.89	2.091	2.030	2.010	39.16	2.090	2.077	2.044
#2	.2530	39.86	2.082	2.023	2.014	39.06	2.089	2.075	2.039
#3	.2531	39.78	2.087	2.029	2.011	39.20	2.083	2.074	2.035

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	2.040	39.03	40.08	38.40	2.080	2.098	40.95	2.108	2.033
Stddev	.007	.05	.11	.13	.002	.001	.03	.004	.002
%RSD	.3588	.1403	.2846	.3283	.1167	.0493	.0718	.1869	.0941
#1	2.031	39.07	39.95	38.47	2.082	2.099	40.91	2.111	2.031
#2	2.043	39.04	40.14	38.48	2.079	2.097	40.97	2.109	2.035
#3	2.045	38.97	40.15	38.26	2.077	2.098	40.95	2.103	2.034

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	2.106	2.080	2.043	2.087	2.088	2.100	2.079	2.090	2.023
Stddev	.003	.008	.003	.003	.001	.001	.004	.002	.007
%RSD	.1274	.3928	.1359	.1179	.0508	.0656	.1908	.1098	.3399
#1	2.106	2.075	2.044	2.089	2.087	2.100	2.074	2.092	2.027
#2	2.103	2.089	2.040	2.089	2.087	2.099	2.082	2.090	2.027
#3	2.108	2.076	2.045	2.084	2.089	2.102	2.080	2.088	2.015

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/11/2016 8:19:40 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2481.7	5219.8	41079.	3738.9
Stddev	11.2	17.6	79.	4.5
%RSD	.44995	.33789	.19262	.12031
#1	2490.1	5227.7	40988.	3742.7
#2	2486.0	5232.1	41125.	3740.1
#3	2469.0	5199.6	41125.	3733.9

Sample Name: CCB Acquired: 3/11/2016 8:23:51 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0069	-.0003	.0002	.0000	.0013	.0000	.0000	.0001
Stddev	.0001	.0021	.0006	.0001	.0001	.0012	.0000	.0000	.0001
%RSD	28.31	30.73	178.7	29.64	1475.	94.92	1530.	55.50	51.97
#1	.0003	.0077	-.0010	.0003	.0001	.0019	.0000	.0000	.0002
#2	.0005	.0045	-.0001	.0002	.0000	-.0001	.0000	.0000	.0001
#3	.0003	.0086	.0001	.0002	.0000	.0020	.0000	.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0148	.0802	.0210	.0001	.0007	.0241	.0000	.0000
Stddev	.0003	.0059	.0245	.0317	.0000	.0002	.0019	.0002	.0007
%RSD	57.45	40.17	30.53	150.6	16.18	26.77	7.693	973.5	2242.
#1	.0007	.0210	.0538	-.0147	.0001	.0009	.0260	-.0001	-.0006
#2	.0002	.0092	.0846	.0457	.0001	.0007	.0241	.0002	-.0001
#3	.0005	.0142	.1022	.0320	.0001	.0005	.0223	.0000	.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0014	.0012	.0030	-.0002	.0001	.0009	.0001	.0002	-.0002
Stddev	.0004	.0014	.0004	.0001	.0001	.0001	.0003	.0000	.0001
%RSD	32.31	116.2	14.06	70.68	75.93	12.87	217.9	.6687	31.67
#1	-.0010	.0005	.0031	-.0001	.0002	.0011	.0001	.0002	-.0003
#2	-.0014	.0027	.0034	-.0001	.0001	.0009	.0004	.0002	-.0002
#3	-.0018	.0002	.0026	-.0003	.0001	.0009	-.0002	.0002	-.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/11/2016 8:23:51 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2912.6	5466.9	43150.	3795.7
Stddev	2.6	9.1	60.	17.3
%RSD	.08948	.16574	.13969	.45577
#1	2909.7	5466.1	43219.	3804.4
#2	2914.8	5458.2	43121.	3807.0
#3	2913.3	5476.2	43109.	3775.8

Sample Name: MP30094-D1 Acquired: 3/11/2016 8:28:24 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0271	228.5	.2303	7.702	.0081	137.0	.0641	.1628	.8560
Stddev	.0012	1.2	.0011	.040	.0002	.9	.0001	.0004	.0062
%RSD	4.493	.5467	.4770	.5214	2.225	.6372	.1658	.2315	.7191
#1	.0258	229.9	.2305	7.746	.0083	138.0	.0640	.1629	.8530
#2	.0283	227.6	.2314	7.667	.0079	136.5	.0641	.1632	.8520
#3	.0273	227.9	.2292	7.694	.0081	136.4	.0642	.1624	.8631

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.632	401.9	66.60	83.61	7.041	.0389	4.417	5.072	F 10.16
Stddev	.004	1.9	.59	.67	.039	.0007	.040	.0011	.05
%RSD	.2557	.4678	.8862	.8044	.5576	1.821	.9056	.2236	.4856
#1	1.631	404.0	67.28	84.38	6.998	.0389	4.451	.5085	10.19
#2	1.636	400.7	66.27	83.15	7.049	.0396	4.373	.5067	10.19
#3	1.628	400.8	66.25	83.30	7.076	.0382	4.426	.5063	10.10

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0250	.0045	4.156	.2125	1.290	F 10.67	-.0009	.6662	F 12.44
Stddev	.0019	.0019	.006	.0008	.005	.07	.0005	.0027	.04
%RSD	7.472	40.73	.1372	.3715	.4090	.6543	52.51	.3979	.3306
#1	.0232	.0067	4.159	.2126	1.297	10.65	-.0010	.6632	12.44
#2	.0269	.0037	4.149	.2117	1.287	10.60	-.0004	.6670	12.45
#3	.0247	.0033	4.159	.2132	1.287	10.74	-.0014	.6683	12.37

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2530.2	6105.3	47792.	4381.6
Stddev	9.0	2.9	183.	36.7
%RSD	.35383	.04776	.38328	.83795
#1	2526.5	6108.1	47922.	4339.5
#2	2523.7	6105.5	47872.	4398.3
#3	2540.4	6102.3	47583.	4407.0

Sample Name: MP30094-SD1 Acquired: 3/11/2016 8:32:57 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0719	263.1	.3183	10.73	.0086	252.1	.0840	.1780	1.284
Stddev	.0041	1.2	.0029	.06	.0008	.9	.0006	.0017	.005
%RSD	5.736	.4403	.9003	.5635	9.458	.3726	.7571	.9383	.3838
#1	.0766	261.8	.3153	10.66	.0094	251.6	.0844	.1790	1.279
#2	.0701	264.0	.3184	10.78	.0078	251.5	.0843	.1761	1.284
#3	.0689	263.5	.3211	10.73	.0085	253.2	.0833	.1790	1.289

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.375	497.4	75.77	99.46	9.446	.0523	5.891	.6996	14.32
Stddev	.013	1.7	.13	.79	.031	.0011	.022	.0021	.03
%RSD	.5287	.3414	.1775	.7966	.3259	2.040	.3782	.2985	.2103
#1	2.374	496.0	75.62	99.03	9.473	.0522	5.888	.7014	14.36
#2	2.363	496.9	75.86	98.98	9.412	.0514	5.914	.7002	14.32
#3	2.388	499.3	75.84	100.4	9.454	.0535	5.870	.6973	14.30

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0079	.0043	6.414	.3490	2.078	13.16	.0002	.7972	17.05
Stddev	.0037	.0012	.010	.0028	.005	.03	.0061	.0072	.03
%RSD	46.80	27.24	.1532	.8007	.2477	.2390	3090.	.9052	.1589
#1	.0073	.0031	6.421	.3467	2.072	13.17	-.0049	.8048	17.06
#2	.0118	.0044	6.418	.3481	2.081	13.13	-.0015	.7904	17.07
#3	.0045	.0055	6.403	.3521	2.081	13.19	.0069	.7964	17.02

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2727.9	5602.4	43595.	3904.6
Stddev	4.2	13.3	197.	33.7
%RSD	.15463	.23742	.45200	.86295
#1	2730.0	5615.2	43384.	3919.6
#2	2723.0	5588.6	43775.	3928.2
#3	2730.6	5603.3	43625.	3866.0

Sample Name: MP30094-PS1 Acquired: 3/11/2016 8:37:16 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	1.088	236.9	3.860	F 9.929	0.0543	225.7	1.186	1.937	1.143
Stddev	.0011	.3	.0030	.015	.0003	.7	.0002	.0007	.004
%RSD	1.054	.1082	.7774	.1522	.5183	.3106	.1279	.3442	.3144
#1	.1098	236.6	.3826	9.936	.0540	224.9	.1188	1.930	1.139
#2	.1075	236.9	.3883	9.912	.0544	226.3	.1186	1.938	1.146
#3	.1091	237.1	.3871	9.940	.0545	225.8	.1185	1.943	1.144
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.210	426.9	77.20	92.06	7.851	1.375	14.72	6.808	F 14.05
Stddev	.009	1.4	.17	.68	.052	.0001	.05	.0014	.03
%RSD	.4284	.3271	.2258	.7403	.6649	.1049	.3307	.2004	.2072
#1	2.213	425.3	77.24	91.32	7.836	1.376	14.69	6.821	14.08
#2	2.199	427.9	77.00	92.67	7.910	1.374	14.70	6.811	14.02
#3	2.217	427.6	77.35	92.18	7.808	1.376	14.78	6.794	14.05
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.289	1.053	4.376	3.347	1.887	F 10.87	0.981	7.347	F 14.26
Stddev	.0027	.0056	.1480	.0029	.004	.03	.0048	.0020	.04
%RSD	2.068	5.273	.1480	.8526	.1839	.2404	4.912	.2658	.2652
#1	.1275	.1053	4.370	.3314	1.884	10.85	.0952	.7325	14.23
#2	.1272	.1108	4.383	.3358	1.886	10.90	.1037	.7362	14.27
#3	.1320	.0997	4.377	.3368	1.891	10.86	.0955	.7354	14.30
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2468.4	6033.1	4694.3	4291.4					
Stddev	3.5	14.5	90.	26.6					
%RSD	.14355	.24056	.19092	.62033					
#1	2464.4	6041.8	4697.2	4312.6					
#2	2469.9	6016.4	4684.2	4261.5					
#3	2471.0	6041.2	4701.5	4300.0					

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Sample Name: MP30094-S1 Acquired: 3/11/2016 8:41:49 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.695	266.9	2.122	F 10.39	0.0570	162.4	1.113	6.253	1.074
Stddev	.0004	.9	.001	.03	.0005	.6	.0004	.0006	.003
%RSD	.5704	.3501	.0411	.3164	.8404	.3849	.3679	.0993	.3040
#1	.0693	266.5	2.122	10.39	.0570	162.2	1.109	6.248	1.073
#2	.0699	267.9	2.121	10.42	.0575	163.2	1.113	6.260	1.078
#3	.0692	266.2	2.123	10.36	.0566	162.0	1.117	6.253	1.071
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.950	425.8	92.93	108.1	F 8.191	4.804	29.80	1.000	F 10.88
Stddev	.011	1.3	.35	.5	.019	.0005	.01	.0004	.01
%RSD	.5655	.3007	.3741	.4508	.2328	.1006	.0503	.0389	.1361
#1	1.938	425.7	92.69	108.0	8.205	4.803	29.80	1.000	10.87
#2	1.953	427.2	93.33	108.6	8.200	4.800	29.81	9995	10.90
#3	1.960	424.6	92.78	107.7	8.170	4.810	29.78	1.000	10.87
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.601	1.906	4.195	6.772	1.857	F 11.42	2.079	1.114	F 13.18
Stddev	.0024	.004	.006	.0021	.004	.08	.003	.003	.04
%RSD	1.497	.1822	.1406	.3135	.2292	.7100	.1486	.2246	.2945
#1	.1588	1.903	4.188	6.779	1.856	11.46	2.081	1.115	13.20
#2	.1628	1.910	4.198	6.790	1.861	11.48	2.076	1.116	13.20
#3	.1585	1.905	4.199	6.749	1.853	11.33	2.080	1.111	13.14
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2454.6	6008.6	4682.9	4325.6					
Stddev	4.8	12.1	136.	23.9					
%RSD	.19447	.20115	.29098	.55292					
#1	2454.5	6002.3	4667.3	4350.5					
#2	2449.9	6001.0	4689.1	4302.8					
#3	2459.4	6022.6	4692.4	4323.7					

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7.1

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Sample Name: MP30094-S2 Acquired: 3/11/2016 8:46:18 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.724	255.4	2.079	F 11.28	0.0546	221.3	1.245	6.045	1.114
Stddev	.0013	.5	.002	.11	.0002	.6	.0001	.0007	.004
%RSD	1.826	.2037	.0964	.9677	.3472	.2681	.1063	.1078	.3503
#1	.0718	255.5	2.080	11.33	.0546	221.9	1.246	6.045	1.115
#2	.0714	255.8	2.080	11.35	.0544	221.0	1.244	6.051	1.118
#3	.0739	254.8	2.077	11.15	.0548	220.8	1.247	6.038	1.110
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.182	420.2	88.04	109.0	F 8.673	4.695	29.14	1.026	F 12.77
Stddev	.005	.8	.18	.4	.067	.0007	.09	.002	.05
%RSD	.2499	.1964	.2033	.3712	.7749	.1495	.3153	.1543	.3796
#1	2.180	420.8	88.13	109.4	8.750	4.687	29.22	1.026	12.82
#2	2.178	420.6	88.14	108.7	8.624	4.699	29.17	1.028	12.73
#3	2.188	419.3	87.83	108.9	8.646	4.699	29.04	1.025	12.75
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.583	1.845	3.809	6.775	2.327	F 10.51	1.983	1.076	F 14.81
Stddev	.0003	.005	.014	.0014	.007	.03	.007	.002	.03
%RSD	.2141	.2614	.3740	.2026	.3049	.2505	.3342	.2255	.1802
#1	.1579	1.841	3.795	6.785	2.328	10.52	1.989	1.076	14.84
#2	.1584	1.850	3.824	6.780	2.335	10.53	1.984	1.079	14.79
#3	.1586	1.846	3.807	6.759	2.320	10.48	1.976	1.074	14.80
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2462.3	6022.3	4727.1	4379.2					
Stddev	5.3	10.6	219.	6.6					
%RSD	.21447	.17615	.46429	.15039					
#1	2456.4	6031.0	4705.0	4384.7					
#2	2466.7	6010.5	4727.4	4380.8					
#3	2463.8	6025.3	4748.9	4371.9					

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Sample Name: FA32068-1 Acquired: 3/11/2016 8:50:51 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.122	279.7	1.071	3.462	0.112	112.3	0.337	1.817	7.067
Stddev	.0006	.4	.0008	.005	.0001	.5	.0002	.0004	.0028
%RSD	4.760	.1391	.7025	.1546	.7664	.4040	.4876	.2038	.4021
#1	.0126	279.8	1.079	3.461	.0113	112.7	.0336	1.821	7.099
#2	.0125	279.3	1.064	3.456	.0111	112.2	.0337	1.814	7.059
#3	.0116	280.1	1.069	3.467	.0112	111.9	.0339	1.814	7.044
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	8.896	417.3	93.12	101.7	F 8.652	0.296	7.30		

Sample Name: FA32068-2 Acquired: 3/11/2016 8:55:25 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0491	249.2	1.379	5.919	.0101	133.2	.0506	1.559	.9319
Stddev	.0011	3.1	.0031	.054	.0001	2.0	.0003	.0004	.0106
%RSD	2.306	1.254	2.219	.9078	1.340	1.521	.6003	.2288	1.135
#1	.0504	248.8	1.382	5.907	.0102	132.8	.0506	1.563	.9347
#2	.0482	252.6	1.348	5.978	.0101	135.5	.0503	1.557	.9202
#3	.0487	246.4	1.409	5.872	.0100	131.5	.0509	1.556	.9408
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.109	416.7	77.61	94.83	7.432	0.383	7.384	4.647	3.593
Stddev	.013	5.6	1.02	1.82	1.02	.0006	.087	.0014	.017
%RSD	1.124	1.346	1.308	1.918	1.378	1.441	1.179	.2912	.4722
#1	1.112	415.8	77.48	94.40	7.441	.0385	7.385	4.658	3.609
#2	1.096	422.7	78.68	96.83	7.326	.0377	7.471	4.651	3.575
#3	1.120	411.6	76.67	93.27	7.530	.0387	7.297	4.631	3.594
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0101	0.0002	3.830	2.157	1.616	9.854	0.016	7.620	6.486
Stddev	.0024	.0009	.005	.0005	.017	.079	.0005	.0078	.013
%RSD	24.14	454.9	1.442	.2452	1.020	8.053	33.88	1.024	1.958
#1	.0076	.0007	3.836	2.157	1.614	9.899	.0018	7.655	6.498
#2	.0102	.0008	3.827	2.163	1.633	9.762	.0020	7.531	6.473
#3	.0125	.0009	3.826	2.152	1.600	9.901	.0010	7.675	6.489
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2524.0	6391.1	4993.4	4633.7					
Stddev	6.5	3.8	493.	87.0					
%RSD	.25873	.05939	.98659	1.8772					
#1	2519.6	6391.3	4967.2	4676.6					
#2	2531.5	6394.9	5050.2	4533.6					
#3	2520.9	6387.3	4962.8	4691.0					

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Sample Name: FA32068-3 Acquired: 3/11/2016 8:59:57 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0130	326.9	.1127	3.428	.0129	101.9	.0285	1.876	.7215
Stddev	.0013	1.4	.0018	.013	.0001	.6	.0004	.0005	.0023
%RSD	10.04	4.185	1.617	.3889	.7056	5.871	1.263	.2847	.3219
#1	.0131	325.3	.1129	3.413	.0128	101.2	.0289	1.880	.7196
#2	.0143	327.7	.1144	3.431	.0130	102.2	.0285	1.879	.7241
#3	.0117	327.6	.1108	3.440	.0129	102.2	.0282	1.870	.7209
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.041	462.5	99.75	113.8	8.612	0.249	5.237	4.561	1.779
Stddev	.002	2.2	.38	.6	.032	.0003	.020	.0011	.002
%RSD	.2121	.4698	.3771	.5214	.3692	1.171	.3810	.2399	.0939
#1	1.041	460.1	99.34	113.1	8.625	.0252	5.234	4.564	1.780
#2	1.039	464.1	99.83	114.2	8.635	.0248	5.258	4.570	1.777
#3	1.044	463.4	100.1	114.0	8.576	.0246	5.219	4.549	1.779
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0127	-0.0078	3.763	0.831	1.135	15.50	-0.026	8.887	3.609
Stddev	.0024	.0035	.005	.0002	.003	.03	.0048	.0027	.011
%RSD	18.76	44.12	1.213	.2365	.2793	2.195	186.7	3.069	3.148
#1	.0143	-0.0117	3.768	.0828	1.132	15.46	-0.037	8.893	3.620
#2	.0139	-0.0068	3.763	.0832	1.138	15.52	-0.068	8.911	3.611
#3	.0100	-0.0050	3.759	.0832	1.136	15.51	.0027	8.858	3.597
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2510.5	6597.1	5158.6	4809.9					
Stddev	2.6	6.2	136.	9.2					
%RSD	.10303	.09326	.26273	.19037					
#1	2507.9	6590.1	5149.9	4819.9					
#2	2513.1	6600.2	5151.6	4802.0					
#3	2510.6	6601.2	5174.2	4807.7					

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7.1
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Sample Name: FA32068-4 Acquired: 3/11/2016 9:04:31 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0021	304.6	1.077	3.602	0.117	83.68	0.020	1.520	5.637
Stddev	.0003	.2	.0026	.005	.0001	.16	.0002	.0007	.0006
%RSD	13.04	.0714	2.418	1.300	1.094	.1936	1.060	.4551	1.066
#1	.0018	304.9	1.080	3.600	.0118	83.76	.0198	1.527	5.640
#2	.0024	304.5	1.101	3.598	.0115	83.78	.0199	1.513	5.642
#3	.0022	304.5	1.049	3.607	.0117	83.49	.0202	1.519	5.630
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	7.594	427.7	88.99	102.4	6.147	0.240	7.498	3.954	2.397
Stddev	.0033	1.4	.04	.5	.026	.0003	.015	.0010	.004
%RSD	4.366	.3327	.0506	.5245	.4255	1.252	1.969	2.405	1.856
#1	7.590	429.2	89.04	102.8	6.118	.0237	7.497	3.965	2.398
#2	7.563	427.2	88.97	102.6	6.168	.0243	7.484	3.948	2.392
#3	7.629	426.5	88.96	101.8	6.157	.0240	7.514	3.950	2.400
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0121	-0.0068	3.876	0.689	0.919	15.36	-0.016	8.237	3.458
Stddev	.0022	.0015	.013	.0006	.0028	.04	.0011	.0010	.010
%RSD	18.16	21.79	.3398	.8915	.3016	2.586	70.66	1.275	2.997
#1	.0097	-0.0085	3.890	.0692	.9134	15.39	-0.0029	8.243	3.469
#2	.0127	-0.0058	3.864	.0682	.9087	15.36	-0.0008	8.225	3.448
#3	.0139	-0.0060	3.874	.0693	.9135	15.31	-0.0011	8.244	3.458
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2546.5	6549.6	5120.8	4707.4					
Stddev	9.8	26.5	134.	21.3					
%RSD	.38374	.40477	.26121	.45175					
#1	2539.6	6521.5	5133.8	4717.8					
#2	2557.7	6574.1	5121.5	4682.9					
#3	2542.3	6553.4	5107.1	4721.4					

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Sample Name: FA32068-5 Acquired: 3/11/2016 9:09:05 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0151	255.1	1.039	3.281	0.110	135.0	0.0335	1.617	6.494
Stddev	.0008	.8	.0003	.003	.0001	.3	.0003	.0003	.0011
%RSD	5.403	3.189	2.777	.0750	1.203	2.309	1.014	2.141	1.708
#1	.0147	254.9	1.038	3.279	.0111	134.9	.0334	1.613	6.503
#2	.0146	256.0	1.036	3.283	.0109	135.4	.0331	1.618	6.482
#3	.0161	254.4	1.042	3.282	.0109	134.8	.0338	1.620	6.499
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	8.905	404.5	82.74	110.0	7.727	0.265	4.310	4.351	1.555
Stddev	.0041	1.4	.14	.6	.042	.0001	.021	.0009	.007
%RSD	.4641	.3458	.1704	.5762	.5411	.4775	.4866	2.042	4.822
#1	8.889	404.2	82.59	109.6	7.731	.0267	4.293	4.344	1.559
#2	8.952	406.1	82.76	110.8	7.683	.0265	4.333	4.349	1.562
#3	8.874	403.3	82.87	109.7	7.766	.0264	4.303	4.361	1.573
Elem									

Sample Name: CCV Acquired: 3/11/2016 9:13:38 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2535	39.58	2.093	2.043	1.999	38.80	2.079	2.075	2.011
Stddev	.0005	.16	.007	.007	.006	.11	.004	.004	.012
%RSD	.2107	.3953	.3173	.3239	.3204	.2841	.1951	.2038	.6091

#1	.2537	39.58	2.088	2.046	2.000	38.89	2.076	2.074	2.025
#2	.2540	39.42	2.100	2.036	1.992	38.68	2.083	2.080	2.002
#3	.2529	39.73	2.091	2.048	2.004	38.83	2.078	2.071	2.006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.053	38.66	40.07	37.73	2.038	2.098	40.83	2.104	2.016
Stddev	.007	.11	.11	.06	.011	.003	.11	.003	.004
%RSD	.3392	.2746	.2858	.1498	.5219	.1247	.2652	.1630	.2116

#1	2.058	38.63	40.06	37.67	2.026	2.096	40.88	2.101	2.011
#2	2.045	38.56	39.96	37.74	2.043	2.100	40.70	2.108	2.018
#3	2.056	38.77	40.19	37.78	2.046	2.097	40.90	2.104	2.018

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.118	2.099	2.056	2.082	2.085	2.087	2.055	2.075	2.004
Stddev	.004	.004	.004	.002	.006	.007	.005	.007	.006
%RSD	.2091	.1868	.1913	.0991	.2756	.3142	.2477	.3392	.2913

#1	2.118	2.097	2.056	2.080	2.086	2.094	2.050	2.082	2.000
#2	2.122	2.103	2.060	2.084	2.078	2.082	2.061	2.068	2.011
#3	2.113	2.095	2.052	2.082	2.090	2.084	2.055	2.073	2.002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/11/2016 9:13:38 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2495.1	5233.3	41616.	3852.0
Stddev	4.0	12.6	138.	17.0
%RSD	.16006	.24029	.33186	.44131

#1	2499.7	5238.7	41459.	3838.7
#2	2492.2	5218.9	41719.	3871.1
#3	2493.6	5242.2	41670.	3846.1

Sample Name: CCB Acquired: 3/11/2016 9:17:50 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0039	-0.015	.0001	.0000	.0003	.0000	.0001	.0001
Stddev	.0006	.0060	.0002	.0003	.000	.0056	.0000	.0001	.0000
%RSD	89.37	154.8	10.02	280.2	372.6	1799.	16.26	100.5	93.06

#1	.0004	.0100	-0.016	.0002	.0000	.0068	.0000	.0001	.0001
#2	.0003	-0.0021	-0.014	-0.002	.0000	-0.029	.0000	.0001	.0000
#3	.0013	.0038	-0.016	.0004	-0.001	-0.029	.0000	.0000	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0189	.0600	-0.046	.0001	.0007	.0381	.0001	-0.0001
Stddev	.0001	.0019	.0719	.0239	.0000	.0002	.0068	.0001	.0002
%RSD	22.35	10.28	119.9	515.6	18.43	26.22	17.75	137.1	295.3

#1	.0006	.0209	.0704	-.0323	.0001	.0009	.0332	.0001	-.0001
#2	.0004	.0187	.1261	.0089	.0001	.0006	.0352	.0000	.0001
#3	.0004	.0171	-.0166	.0095	.0001	.0006	.0458	.0000	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0006	.0009	.0026	-0.002	.0001	.0011	.0006	.0002	-0.0002
Stddev	.0006	.0006	.0006	.0004	.0001	.0001	.0010	.0001	.0002
%RSD	87.13	66.83	23.55	222.8	168.4	9.486	166.7	37.66	72.31

#1	-.0012	.0009	.0024	-.0006	.0000	.0012	-.0003	.0002	-.0003
#2	-.0001	.0003	.0021	-.0001	.0001	.0011	.0016	.0001	-.0003
#3	-.0006	.0015	.0033	.0002	.0000	.0010	.0005	.0003	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/11/2016 9:17:50 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2926.9	5482.3	43621.	3837.9
Stddev	3.6	2.2	165.	14.5
%RSD	.12439	.04097	.37829	.37870

#1	2922.8	5481.1	43806.	3822.4
#2	2929.8	5484.9	43566.	3840.1
#3	2928.1	5480.8	43490.	3851.2

Sample Name: FA32068-6 Acquired: 3/11/2016 9:22:23 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0158	274.0	1782	5.451	0.0101	165.7	0.0523	1.649	7.200
Stddev	.0009	.6	.0003	.006	.0001	.2	.0000	.0002	.0034
%RSD	5.562	.2009	.1735	.1023	.7578	.1042	.0324	.0990	.4725
#1	.0152	273.9	.1780	5.456	.0100	165.5	.0523	1.650	7.218
#2	.0155	273.5	.1785	5.450	.0100	165.9	.0523	1.647	7.222
#3	.0168	274.6	.1780	5.445	.0101	165.6	.0523	1.649	7.161
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.422	454.3	80.18	98.58	6.879	0.421	13.69	4.384	4.099
Stddev	.003	.7	.11	.27	.023	.0005	.02	.0011	.020
%RSD	.1740	.1538	.1323	.2779	.3283	1.120	.1379	.2537	.4800
#1	1.423	454.4	80.10	98.87	6.891	.0423	13.70	4.395	4.109
#2	1.419	453.5	80.14	98.32	6.893	.0415	13.67	4.373	4.111
#3	1.423	454.9	80.30	98.55	6.853	.0423	13.71	4.385	4.076
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.071	0.130	4.077	1.501	1.621	11.79	0.009	7.944	6.784
Stddev	.0020	.0025	.007	.0003	.003	.04	.0008	.0018	.028
%RSD	11.59	19.36	.1675	.2127	.2098	.2995	97.67	2.272	.4192
#1	.0149	.0108	4.079	.1498	1.624	11.83	.0000	7.960	6.810
#2	.0178	.0157	4.070	.1502	1.617	11.76	.0010	7.949	6.789
#3	.0187	.0125	4.083	.1504	1.622	11.78	.0017	7.924	6.754
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2498.5	6272.2	4912.0	4510.4					
Stddev	8.1	7.4	129.	11.4					
%RSD	.32604	.11782	.26221	.25175					
#1	2490.9	6263.6	4898.7	4497.6					
#2	2497.4	6276.3	49131.	4514.6					
#3	2507.1	6276.6	49244.	4519.1					

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7.1
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Sample Name: FA32068-7 Acquired: 3/11/2016 9:26:57 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0255	245.9	1.660	6.519	0.0086	244.3	0.0852	1.501	8.547
Stddev	.0007	.9	.0013	.012	.0001	.9	.0003	.0003	.0036
%RSD	2.824	.3654	.7571	.1883	1.586	.3796	.3129	.1892	.4256
#1	.0259	244.9	.1655	6.505	.0087	243.8	.0852	1.504	8.507
#2	.0260	246.1	.1651	6.524	.0086	243.9	.0855	1.499	8.578
#3	.0247	246.7	.1675	6.528	.0084	245.4	.0850	1.501	8.556
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.795	446.1	88.00	96.51	7.283	0.338	16.88	4.783	F 11.36
Stddev	.004	1.6	.17	.27	.038	.0004	.07	.0009	.02
%RSD	.2451	.3543	.1897	.2786	.5175	1.128	.3858	.1870	.1611
#1	1.793	444.7	87.82	96.30	7.276	.0342	16.81	4.784	11.36
#2	1.800	445.7	88.07	96.42	7.324	.0338	16.88	4.792	11.34
#3	1.792	447.8	88.13	96.81	7.250	.0334	16.94	4.774	11.38
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0291	0.063	4.320	2.973	1.840	F 11.61	0.015	7.372	F 9.389
Stddev	.0035	.0042	.016	.0014	.007	.08	.0008	.0008	.025
%RSD	12.05	67.64	.3583	4.796	.3687	6.475	53.32	1.052	.2685
#1	.0281	.0110	4.310	.2976	1.833	11.53	.0015	7.363	9.418
#2	.0329	.0029	4.338	.2986	1.840	11.68	.0007	7.376	9.373
#3	.0261	.0049	4.313	.2958	1.847	11.61	.0023	7.378	9.375
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2476.5	6051.3	4748.1	4377.6					
Stddev	4.8	8.9	214.	18.4					
%RSD	.19300	.14659	.45038	.41955					
#1	2480.5	6055.6	47609.	4387.4					
#2	2477.8	6041.1	47234.	4389.0					
#3	2471.2	6057.2	47601.	4356.4					

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Sample Name: FA32068-8 Acquired: 3/11/2016 9:31:31 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.304	227.3	1.589	6.091	0.0080	235.2	0.0979	1.393	8.592
Stddev	.0010	.6	.0010	.039	.0001	.9	.0003	.0005	.0026
%RSD	3.254	.2661	.6164	.6378	1.248	.3697	.3216	.3500	.3071
#1	.0315	227.5	.1580	6.076	.0080	236.1	.0977	1.394	8.576
#2	.0295	227.9	.1587	6.135	.0080	235.3	.0978	1.388	8.623
#3	.0303	226.7	.1599	6.062	.0081	234.3	.0983	1.398	8.577
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.830	445.8	80.90	89.68	6.573	0.335	30.27	4.374	5.241
Stddev	.011	.6	.28	.44	.036	.0002	.07	.0004	.007
%RSD	.6024	.1342	.3442	.4919	.5413	.5175	.2404	.0980	.1272
#1	1.824	446.2	81.07	90.19	6.546	.0335	30.28	4.373	5.234
#2	1.842	446.0	81.05	89.45	6.613	.0334	30.33	4.371	5.245
#3	1.822	445.1	80.58	89.41	6.559	.0337	30.19	4.379	5.245
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0198	0.039	4.681	3.038	1.915	F 10.64	-0.006	6.777	F 9.235
Stddev	.0035	.0044	.005	.0002	.007	.05	.0054	.0017	.007
%RSD	17.83	32.08	.1009	.0589	.3887	4.425	952.5	2.571	.0753
#1	.0166	.0180	4.684	.3038	1.908	10.60	-.0013	6.791	9.234
#2	.0192	.0144	4.684	.3036	1.923	10.69	-.0055	6.783	9.228
#3	.0236	.0091	4.676	.3039	1.914	10.63	.0051	6.757	9.242
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2478.0	5972.5	47137.	4354.8					
Stddev	4.9	9.2	120.	37.4					
%RSD	.19857	.15444	.25401	.85955					
#1	2483.5	5982.1	47215.	4313.4					
#2	2473.9	5963.6	46999.	4364.5					
#3	2476.7	5971.8	47198.	4386.4					

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Sample Name: FA32068-10 Acquired: 3/11/2016 9:36:04 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0060	348.7	1.150	3.862	0.142	107.0	0.0218	2.064	6.497
Stddev	.0004	2.4	.0008	.029	.0000	.7	.0005	.0005	.0022
%RSD	6.082	.6759	.6604	.7430	.3439	.6655	2.493	2.420	.3322
#1	.0060	345.9	.1147	3.829	.0141	106.2	.0225	2.070	6.505
#2	.0064	350.2	.1143	3.872	.0141	107.2	.0215	2.063	6.473
#3	.0057	349.9	.1158	3.884	.0142	107.5	.0215	2.060	6.513
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	8.243	496.5	107.3	125.9	F 9.308	0.259	7.114	4.957	8.739
Stddev	.0011	2.9	.8	.6	.063	.0001	.043	.0014	.0034
%RSD	.1342	.5911	.7179	.4418	.6752	.1965	.6053	.2828	.3879
#1									

Sample Name: FA32068-11 Acquired: 3/11/2016 9:40:39 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.002	333.2	0.096	3.593	0.134	96.45	0.191	1.995	5.722
Stddev	.0010	.7	.0023	.006	.0001	.20	.0001	.0007	.0012
%RSD	568.0	.1970	2.310	.1817	1.026	.2086	.5071	.3259	.2066
#1	-.0013	334.0	.0970	3.598	.0132	96.58	.0192	2.001	5.726
#2	-.0002	332.9	.1014	3.595	.0134	96.56	.0190	1.988	5.709
#3	.0006	332.8	.1003	3.585	.0135	96.22	.0191	1.995	5.732
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	6639	470.1	113.6	120.0	8.878	0.290	6.602	4.815	2.567
Stddev	.0031	.5	.3	.5	.037	.0004	.005	.0014	.0021
%RSD	.4607	.1038	.2215	.4560	.4168	1.327	.0831	.2857	.8118
#1	.6605	470.7	113.9	120.5	8.848	.0291	6.604	4.830	2.579
#2	.6665	469.7	113.4	120.0	8.868	.0294	6.596	4.803	2.543
#3	.6646	469.9	113.6	119.5	8.919	.0286	6.607	4.812	2.580
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.031	-0.063	3.658	0.246	1.174	13.84	0.004	8.979	1.658
Stddev	.0007	.0028	.009	.0006	.000	.06	.0023	.0007	.004
%RSD	21.91	44.25	.2319	2.603	.0280	4.632	517.1	0.805	2.509
#1	.0031	-.0074	3.666	.0239	1.174	13.76	.0028	8.983	1.662
#2	.0024	-.0032	3.659	.0251	1.174	13.87	.0003	8.983	1.654
#3	.0038	-.0085	3.649	.0248	1.175	13.88	-.0018	8.971	1.656
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2503.1	6841.8	53940.	4991.5					
Stddev	7.5	10.5	282.	13.2					
%RSD	.29986	.15320	.52272	.26476					
#1	2496.1	6829.7	54179.	4979.3					
#2	2502.4	6848.4	54011.	5005.5					
#3	2511.0	6847.2	53629.	4989.6					

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Sample Name: FA32068-12 Acquired: 3/11/2016 9:45:13 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.005	331.4	0.095	3.542	0.139	98.69	0.191	2.082	5.805
Stddev	.0001	.5	.0007	.003	.0002	.27	.0003	.0002	.0015
%RSD	25.85	.1394	.6853	.0864	1.131	.2780	1.529	.0830	.2526
#1	.0004	331.5	.0989	3.543	.0138	98.75	.0187	2.081	5.816
#2	.0006	330.9	.1002	3.539	.0138	98.40	.0193	2.084	5.788
#3	.0006	331.8	.0993	3.545	.0140	98.94	.0192	2.081	5.810
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	6130	480.4	112.8	122.5	9.140	0.311	7.853	4.905	2.008
Stddev	.0016	1.4	.1	.3	.045	.0007	.027	.0010	.0006
%RSD	.2539	.2877	.0851	.2856	.4922	2.283	.3488	.2116	.2910
#1	.6136	481.3	112.7	122.8	9.192	.0313	7.845	4.898	2.015
#2	.6112	478.8	112.9	122.1	9.117	.0303	7.830	4.917	2.006
#3	.6142	480.9	112.9	122.7	9.111	.0316	7.883	4.900	2.004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.021	-0.008	3.167	0.215	1.196	13.23	0.027	9.135	1.483
Stddev	.0020	.0018	.004	.0005	.001	.07	.0033	.0013	.001
%RSD	91.60	21.71	.112	2.524	.0937	5.205	121.4	1.461	.0578
#1	.0013	-.0088	3.167	.0217	1.197	13.28	.0054	9.139	1.483
#2	.0044	-.0094	3.163	.0219	1.195	13.15	-.0009	9.146	1.482
#3	.0007	-.0061	3.170	.0209	1.196	13.26	.0036	9.120	1.484
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2483.8	6862.9	54092.	5022.8					
Stddev	4.5	3.4	165.	20.1					
%RSD	.18010	.04923	.30546	.39954					
#1	2487.9	6866.6	53938.	4999.9					
#2	2484.5	6860.1	54266.	5037.5					
#3	2479.1	6862.1	54071.	5030.9					

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Sample Name: FA32068-13 Acquired: 3/11/2016 9:49:48 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.229	243.6	1.730	5.795	0.087	203.7	0.834	1.551	8.161
Stddev	.0005	.6	.0025	.020	.0002	1.0	.0001	.0002	.0028
%RSD	1.968	.2663	1.438	.3445	2.451	.5080	.1677	.1479	.3481
#1	.0229	243.0	.1723	5.813	.0089	202.6	.0833	1.549	8.192
#2	.0233	243.4	.1709	5.774	.0085	203.7	.0835	1.553	8.135
#3	.0224	244.3	.1757	5.800	.0086	204.7	.0833	1.551	8.156
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.869	455.4	79.11	101.7	8.462	0.313	9.719	5.033	5.535
Stddev	.008	1.9	.25	.8	.049	.0004	.016	.0006	.004
%RSD	4.176	.4212	.3184	.7573	.5748	1.295	.1635	.1173	.0796
#1	1.860	453.3	78.97	100.9	8.449	.0309	9.731	5.027	5.535
#2	1.872	455.7	78.95	101.9	8.515	.0316	9.701	5.039	5.539
#3	1.875	457.1	79.40	102.4	8.421	.0316	9.726	5.032	5.531
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.049	0.040	3.701	2.442	1.572	10.65	0.002	7.370	8.316
Stddev	.0052	.0023	.010	.0010	.003	.08	.0030	.0012	.013
%RSD	11.04	58.21	.2607	.4296	.1562	.7530	1820.	.1569	.1515
#1	.0419	.0058	3.694	2.435	1.569	10.60	-.0033	7.362	8.301
#2	.0523	.0014	3.712	2.438	1.574	10.74	.0020	7.364	8.323
#3	.0465	.0048	3.698	2.454	1.573	10.60	.0019	7.383	8.323
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2501.4	6005.5	47594.	4429.1					
Stddev	.6	2.0	177.	36.0					
%RSD	.02557	.03280	.37139	.81346					
#1	2501.4	6007.6	47663.	4470.7					
#2	2502.0	6005.3	47393.	4408.9					
#3	2500.7	6003.7	47726.	4407.7					

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Sample Name: FA32068-14 Acquired: 3/11/2016 9:54:22 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	1.965	231.7	4.777	11.28	0.100	144.6	0.888	1.215	5.254
Stddev	.0014	.4	.0010	.13	.0000	.1	.0003	.0003	.009
%RSD	.6964	.1539	.2131	1.166	.2018	.0977	.3361	.2114	.1789
#1	.1980	231.7	4.772	11.43	.0101	144.6	.0888	1.215	5.263
#2	.1952	231.3	4.770	11.19	.0100	144.5	.0890	1.218	5.244
#3	.1965	232.0	4.788	11.22	.0100	144.8	.0885	1.213	5.256
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	4.345	430.5	50.07	53.91	4.478	1.975	10.45	3.575	14.96
Stddev	.006	.4	.11	.06	.026	.0004	.07	.0006	.007
%RSD	.1490	.1028	.2148	.1145	.5929	.1915	.6571	.1720	.4935
#1	4.348	431.0	49.98	53.86					

Sample Name: FA32068-15 Acquired: 3/11/2016 9:59:02 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.034	300.0	1.797	3.622	0.118	79.46	0.263	1.844	8837
Stddev	.0008	.1	.0024	.005	.0000	.17	.0006	.0021	.0026
%RSD	23.52	.0490	1.338	.1312	.1661	.2141	2.372	1.116	.2963
#1	.0035	299.8	.1775	3.626	.0118	79.26	.0257	.1822	.8813
#2	.0041	299.9	.1822	3.617	.0118	79.57	.0262	.1846	.8833
#3	.0025	300.1	.1793	3.622	.0118	79.54	.0270	.1863	.8865
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.134	440.0	101.2	98.05	6.506	0.695	6.268	4.076	6.765
Stddev	.002	.3	.1	.48	.037	.0007	.042	.0041	.0099
%RSD	.1457	.0642	.0494	.4857	.5726	1.033	.6697	1.006	1.457
#1	1.136	440.2	101.2	97.52	6.464	.0689	6.297	4.034	.6651
#2	1.134	439.7	101.2	98.43	6.535	.0693	6.220	4.079	.6819
#3	1.133	440.2	101.3	98.20	6.519	.0703	6.286	4.116	.6825
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.073	-0.038	3.855	0.424	8.130	12.84	-0.015	9.555	2.922
Stddev	.0043	.0036	.037	.0008	.0029	.06	.0035	.0042	.029
%RSD	58.59	95.27	.9671	1.975	.3543	4.469	224.8	4.403	1.003
#1	.0086	-.0010	3.817	.0415	.8134	12.80	-.0007	9.540	2.888
#2	.0026	-.0025	3.856	.0426	.8099	12.81	-.0053	9.523	2.932
#3	.0109	-.0079	3.891	.0431	.8156	12.91	.0014	9.603	2.944
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2516.1	6643.7	5299.2	4904.9					
Stddev	20.9	55.5	224.	22.7					
%RSD	.83010	.83570	.42268	.46270					
#1	2539.5	6700.1	53153.	4917.6					
#2	2509.6	6642.0	53087.	4878.7					
#3	2499.3	6589.1	52736.	4918.5					

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Sample Name: FA32068-16 Acquired: 3/11/2016 10:03:37 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.286	283.5	2.031	6.800	0.105	210.6	0.624	1.659	1.033
Stddev	.0004	2.5	.0011	.052	.0002	1.3	.0008	.0005	.015
%RSD	1.233	.8684	.5443	.7639	1.657	.5971	1.302	.3236	1.457
#1	.0290	286.3	.2024	6.860	.0103	211.9	.0615	.1652	1.016
#2	.0283	282.2	.2044	6.767	.0106	210.3	.0628	.1662	1.040
#3	.0287	281.9	.2026	6.773	.0105	209.5	.0630	.1662	1.043
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.833	509.4	82.88	102.5	7.471	0.648	16.62	4.931	7.493
Stddev	.012	4.6	.45	.7	.083	.0006	.14	.0013	.046
%RSD	.6664	.8986	.5375	.6856	1.104	.8768	.8458	.2550	.6155
#1	1.819	514.4	83.39	103.2	7.379	.0645	16.78	4.924	7.441
#2	1.841	508.3	82.63	102.5	7.539	.0655	16.54	4.924	7.515
#3	1.839	505.4	82.62	101.8	7.494	.0644	16.53	4.946	7.525
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.207	0.254	5.793	2.242	2.245	F 11.85	0.032	8.498	7.897
Stddev	.0013	.0021	.023	.0014	.022	.12	.0038	.0111	.040
%RSD	6.275	8.324	.3900	.5821	1.004	.9787	118.3	1.311	.5041
#1	.0196	.0231	5.767	.2397	2.271	11.73	.0072	8.370	7.854
#2	.0204	.0259	5.803	.2425	2.235	11.96	-.0004	8.552	7.933
#3	.0221	.0273	5.809	.2413	2.229	11.87	.0029	8.572	7.905
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2461.7	6176.4	4877.8	4589.3					
Stddev	10.8	17.5	548.	19.7					
%RSD	.43839	.28310	1.1241	.42913					
#1	2473.5	6195.8	49409.	4567.9					
#2	2459.3	6171.6	48427.	4593.3					
#3	2452.4	6161.8	48496.	4606.7					

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7.1
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Sample Name: CCV Acquired: 3/11/2016 10:08:09 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.555	40.07	2.120	2.061	2.026	39.10	2.098	2.098	2.038
Stddev	.0009	.14	.004	.012	.004	.09	.003	.003	.003
%RSD	.3534	.3548	.1801	.5720	.2004	.2279	.1184	.1309	.1659
#1	.2545	40.23	2.123	2.073	2.029	39.20	2.100	2.100	2.038
#2	.2559	39.96	2.116	2.050	2.028	39.08	2.096	2.095	2.041
#3	.2561	40.04	2.120	2.059	2.021	39.02	2.100	2.099	2.035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.060	39.10	40.62	38.23	2.071	2.129	41.18	2.126	2.023
Stddev	.002	.05	.22	.09	.007	.002	.09	.004	.003
%RSD	.0796	.1176	.5466	.2348	.3366	.0717	.2079	.1849	.1614
#1	2.082	39.13	40.87	38.17	2.065	2.130	41.27	2.128	2.027
#2	2.079	39.12	40.54	38.33	2.068	2.128	41.11	2.121	2.021
#3	2.079	39.05	40.45	38.18	2.079	2.131	41.16	2.128	2.022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.148	2.123	2.091	2.095	2.111	2.123	2.074	2.097	2.016
Stddev	.004	.006	.003	.003	.004	.003	.003	.003	.002
%RSD	.2061	.2649	.1454	.1306	.1800	.1593	.1301	.1303	.0934
#1	2.154	2.128	2.094	2.098	2.114	2.124	2.076	2.094	2.018
#2	2.146	2.117	2.088	2.092	2.107	2.125	2.071	2.099	2.015
#3	2.145	2.125	2.091	2.096	2.111	2.119	2.076	2.098	2.015
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 3/11/2016 10:08:09 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2471.8	5161.4	4123.2	3797.4					
Stddev	5.6	5.2	136.	14.3					
%RSD	.22815	.10054	.33086	.37772					
#1	2478.2	5164.5	41165.	3806.0					
#2	2467.4	5164.4	41143.	3780.9					
#3	2469.9	5155.5	41389.	3805.4					

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Sample Name: CCB Acquired: 3/11/2016 10:12:26 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0056	-.0005	.0000	-.0001	.0014	.0000	.0001	.0000
Stddev	.0002	.0081	.0006	.000	.0000	.0054	.000	.0000	.000
%RSD	410.6	144.3	113.1	2976.	44.81	384.2	60.62	76.84	1769.
#1	.0002	-.0031	-.0006	.0001	-.0001	-.0040	.0000	.0000	-.0003
#2	-.0001	.0128	.0001	-.0003	-.0001	.0014	.0000	.0001	.0000
#3	.0000	.0071	-.0010	-.0005	.0000	.0068	.0000	.0000	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0134	.0778	-.0173	.0001	.0006	.0369	.0001	.0002
Stddev	.0001	.0025	.0513	.0134	.0000	.0002	.0049	.0001	.0004
%RSD	19.31	18.59	65.97	77.36	41.03	36.52	13.27	97.33	152.7
#1	.0004	.0163	.1218	-.0321	.0001	.0008	.0401	.0001	.0000
#2	.0005	.0123	.0901	-.0062	.0000	.0006	.0393	.0002	.0001
#3	.0005	.0117	.0214	-.0135	.0001	.0004	.0313	.0000	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0012	.0010	.0026	-.0002	.0000	.0010	.0009	.0000	-.0003
Stddev	.0003	.0008	.0005	.0001	.0000	.0001	.0003	.0002	.0000
%RSD	23.51	79.40	17.82	49.15	155.0	6.238	30.29	405.6	13.45
#1	-.0015	.0019	.0026	-.0001	.0000	.0010	.0008	.0002	-.0003
#2	-.0011	.0006	.0021	-.0003	.0001	.0009	.0012	.0000	-.0003
#3	-.0010	.0004	.0030	-.0002	.0000	.0010	.0007	-.0001	-.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/11/2016 10:12:26 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2966.4	5557.2	43983.	3854.2
Stddev	19.8	37.2	829.	82.2
%RSD	.66857	.67027	1.8854	2.1330
#1	2960.9	5549.8	43658.	3771.4
#2	2988.3	5597.6	44926.	3855.4
#3	2949.8	5524.2	43366.	3935.8

Sample Name: FA32069-1 Acquired: 3/11/2016 10:16:59 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0353	249.6	.1017	3.563	.0100	119.0	.0284	1.582	.6075
Stddev	.0008	2.9	.0021	.042	.0002	1.5	.0011	.0018	.0056
%RSD	2.398	1.166	2.047	1.177	1.572	1.219	3.799	1.138	.9295
#1	.0354	250.7	.1016	3.578	.0099	119.4	.0279	1.575	.6035
#2	.0360	251.7	.0997	3.596	.0101	120.2	.0276	1.569	.6140
#3	.0343	246.3	.1038	3.516	.0099	117.4	.0296	1.603	.6052

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.8318	390.6	87.49	91.80	7.579	.0332	10.98	4.512	2.412
Stddev	.0018	4.2	1.10	.95	.081	.0002	.16	.0048	.046
%RSD	.2221	1.068	1.260	1.034	1.069	.7239	1.448	1.066	1.900
#1	.8339	392.0	88.05	92.20	7.522	.0332	11.05	4.485	2.387
#2	.8309	393.9	88.20	92.49	7.672	.0330	11.09	4.484	2.385
#3	.8306	385.9	86.22	90.72	7.544	.0335	10.80	4.567	2.465

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0142	-.0013	4.628	.0877	1.193	11.11	.0001	7.569	3.407
Stddev	.0007	.0001	.051	.0017	.012	.06	.0028	.0052	.040
%RSD	4.977	8.239	1.108	1.949	.9743	.5641	1955.	.6848	1.163
#1	.0150	-.0012	4.604	.0869	1.197	11.04	.0017	7.540	3.385
#2	.0138	-.0013	4.593	.0866	1.202	11.16	.0017	7.628	3.384
#3	.0138	-.0013	4.686	.0897	1.180	11.13	-.0031	7.538	3.453

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2506.2	6390.7	50389.	4643.8
Stddev	31.1	52.9	354.	43.8
%RSD	1.2421	.82819	.70265	.94402
#1	2521.2	6424.7	50653.	4616.9
#2	2527.0	6417.7	49987.	4620.1
#3	2470.5	6329.8	50528.	4694.4

Sample Name: FA32069-2 Acquired: 3/11/2016 10:21:35 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0234	250.0	.1057	3.637	.0097	140.8	.0236	1.564	.5796
Stddev	.0007	.8	.0014	.024	.0001	.8	.0001	.0003	.0049
%RSD	2.794	.3275	1.294	.6644	.5173	.5488	.5152	.1759	.8491
#1	.0232	250.2	.1070	3.639	.0097	140.9	.0236	1.563	.5850
#2	.0242	250.7	.1042	3.661	.0098	141.5	.0235	1.567	.5784
#3	.0229	249.1	.1058	3.612	.0098	140.0	.0238	1.561	.5754

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.9049	379.5	84.64	97.84	7.147	.0320	8.011	4.563	2.134
Stddev	.0033	1.2	.18	.31	.047	.0004	.045	.0016	.007
%RSD	.3594	.3093	.2160	.3209	.6617	1.304	.5648	.3455	.3529
#1	.9073	379.9	84.79	97.68	7.199	.0317	8.061	4.553	2.126
#2	.9012	380.3	84.69	98.20	7.106	.0324	7.999	4.581	2.140
#3	.9061	378.1	84.43	97.64	7.135	.0318	7.973	4.555	2.138

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0105	.0019	4.720	.0834	1.418	10.82	-.0025	6.951	3.624
Stddev	.0036	.0016	.011	.0003	.005	.05	.0015	.0050	.008
%RSD	34.14	80.93	.2409	.3846	.3825	4.829	59.94	.7122	.2188
#1	.0121	.0003	4.718	.0838	1.421	10.87	-.0009	7.008	3.618
#2	.0131	.0035	4.732	.0832	1.422	10.77	-.0029	6.915	3.633
#3	.0064	.0020	4.710	.0833	1.412	10.80	-.0038	6.930	3.620

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2506.7	6283.6	49585.	4516.2
Stddev	3.3	5.4	266.	16.1
%RSD	.13224	.08667	.53628	.35751
#1	2505.2	6281.0	49305.	4514.2
#2	2504.5	6279.9	49835.	4501.1
#3	2510.5	6289.8	49614.	4533.2

Sample Name: FA32069-3 Acquired: 3/11/2016 10:26:10 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.1050	276.7	.1193	4.467	.0112	144.7	.0270	.1699	.6303
Stddev	.0021	.7	.0018	.017	.0002	.7	.0010	.0023	.0095
%RSD	2.035	.2520	1.506	.3815	1.668	.4541	3.534	1.336	1.507
#1	.1051	277.3	.1214	4.475	.0112	145.3	.0263	.1683	.6282
#2	.1071	277.0	.1186	4.478	.0114	144.8	.0266	.1688	.6407
#3	.1029	275.9	.1180	4.447	.0110	144.0	.0281	.1725	.6221
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7889	433.0	94.16	110.5	F 8.304	.0330	5.505	.4597	3.822
Stddev	.0116	1.1	.42	.3	.071	.0009	.044	.0046	.053
%RSD	1.469	.2584	.4424	.2649	.8594	2.633	.8069	.9945	1.400
#1	.7868	434.0	94.52	110.7	8.306	.0327	5.503	.4556	3.781
#2	.8014	433.2	94.25	110.5	8.375	.0323	5.550	.4588	3.802
#3	.7785	431.8	93.70	110.1	8.232	.0339	5.461	.4646	3.882
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0066	-.0062	4.203	1.052	1.494	F 12.16	-.0004	.7733	4.173
Stddev	.0014	.0057	.048	.0023	.004	.20	.0023	.0136	.044
%RSD	21.32	90.99	1.130	2.162	.2587	1.604	579.2	1.762	1.046
#1	.0057	-.0127	4.167	.1041	1.495	12.11	-.0010	.7688	4.140
#2	.0082	-.0024	4.186	.1037	1.496	12.37	.0021	.7886	4.156
#3	.0059	-.0035	4.257	.1078	1.489	11.99	-.0024	.7624	4.222
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2468.9	6508.0	5101.3	4697.6					
Stddev	33.1	65.2	760.	31.2					
%RSD	1.3397	1.0023	1.4904	.66379					
#1	2493.9	6557.9	51189.	4674.2					
#2	2481.4	6532.0	50180.	4685.7					
#3	2431.4	6434.2	51670.	4733.0					

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Sample Name: FA32069-4 Acquired: 3/11/2016 10:33:15 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.1199	263.2	.1007	3.831	.0104	114.4	.0264	.1686	.6400
Stddev	.0006	.4	.0012	.004	.0001	.1	.0002	.0006	.0023
%RSD	.5245	.1464	1.177	.0958	.6322	.0778	.9247	.3675	.3609
#1	.1192	263.7	.1018	3.832	.0104	114.4	.0262	.1685	.6380
#2	.1201	262.9	.1009	3.827	.0104	114.3	.0267	.1692	.6395
#3	.1203	263.1	.0994	3.834	.0105	114.5	.0262	.1680	.6425
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7675	403.3	92.35	103.4	7.852	.0293	4.773	4.486	4.162
Stddev	.0011	.5	.07	.1	.050	.0004	.028	.0010	.023
%RSD	.1445	.1166	.0723	.0968	.6348	1.351	.5938	.2270	.5476
#1	.7685	403.4	92.28	103.3	7.801	.0292	4.782	4.478	4.146
#2	.7678	402.7	92.38	103.5	7.900	.0297	4.741	4.482	4.188
#3	.7663	403.7	92.40	103.4	7.855	.0289	4.796	4.497	4.153
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0129	-.0063	4.801	1.232	1.292	F 12.21	-.0009	.7520	3.650
Stddev	.0028	.0048	.005	.0011	.002	.08	.0019	.0028	.018
%RSD	21.35	76.23	1.119	.9091	.1794	.6405	223.6	.3705	.5021
#1	.0107	-.0036	4.797	.1225	1.293	12.13	.0013	.7499	3.636
#2	.0160	-.0118	4.807	.1245	1.290	12.21	-.0013	.7508	3.671
#3	.0121	-.0035	4.798	.1226	1.295	12.28	-.0025	.7551	3.643
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2486.6	6387.1	5010.3	4620.5					
Stddev	5.1	7.8	184.	20.0					
%RSD	.20665	.12248	.36677	.43291					
#1	2491.5	6396.1	5031.1	4605.7					
#2	2481.2	6381.7	5003.8	4612.6					
#3	2487.0	6383.6	4996.1	4643.3					

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Sample Name: CCV Acquired: 3/11/2016 11:04:28 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2545	40.04	2.132	2.057	2.025	39.16	2.113	2.104	2.048
Stddev	.0012	.08	.004	.006	.003	.06	.002	.003	.002
%RSD	.4668	.2085	.1719	.3167	.1410	.1592	.1120	.1371	.1026
#1	.2537	40.01	2.129	2.054	2.023	39.11	2.111	2.100	2.046
#2	.2558	40.13	2.130	2.065	2.028	39.23	2.112	2.105	2.050
#3	.2538	39.97	2.136	2.054	2.024	39.14	2.116	2.105	2.048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.058	39.06	40.46	38.03	2.093	2.130	41.02	2.139	2.033
Stddev	.006	.04	.10	.05	.006	.003	.07	.004	.008
%RSD	.3087	.0912	.2417	.1214	.2832	.1230	.1607	.1888	.3859
#1	2.052	39.02	40.51	38.09	2.087	2.127	41.03	2.135	2.036
#2	2.058	39.08	40.52	38.00	2.098	2.131	41.09	2.140	2.024
#3	2.064	39.09	40.35	38.01	2.095	2.132	40.96	2.143	2.038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.142	2.129	2.091	2.101	2.111	2.125	2.068	2.111	2.030
Stddev	.003	.004	.003	.004	.002	.005	.002	.004	.001
%RSD	.1552	.1809	.1319	.2055	.1020	.2416	.0886	.2076	.0701
#1	2.140	2.128	2.088	2.097	2.109	2.120	2.067	2.107	2.031
#2	2.146	2.134	2.093	2.100	2.113	2.130	2.071	2.116	2.028
#3	2.141	2.126	2.092	2.106	2.111	2.125	2.068	2.110	2.031
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 3/11/2016 11:04:28 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2435.1	5106.5	40618.	3774.4					
Stddev	3.6	11.8	73.	11.7					
%RSD	.14663	.23121	.17992	.31018					
#1	2437.2	5120.1	40675.	3761.3					
#2	2437.2	5099.9	40536.	3777.9					
#3	2431.0	5099.4	40644.	3783.9					

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Sample Name: CCB Acquired: 3/11/2016 11:08:40 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0035	-0.002	.0000	.0000	-0.005	.0000	.0000	.0001
Stddev	.0003	.0042	.0002	.0003	.0001	.0036	.0000	.0000	.0001
%RSD	90.61	120.8	83.19	1627.	256.7	676.6	90.11	99.29	177.0
#1	.0000	.0072	-.0004	.0003	.0001	-.0025	.0000	.0001	.0001
#2	.0006	.0044	-.0001	-.0003	.0000	-.0045	.0001	.0000	.0001
#3	.0005	-.0011	-.0001	.0001	.0000	.0004	.0000	.0001	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0054	.1203	.0088	.0000	.0007	.0690	-0.001	-0.001
Stddev	.0001	.0022	.0236	.0359	.0000	.0002	.0096	.0002	.0005
%RSD	34.33	41.07	19.62	409.7	160.8	26.71	13.86	346.8	644.5
#1	.0002	.0079	.1461	-.0301	.0001	.0010	.0660	.0001	.0004
#2	.0003	.0044	.0999	.0407	.0000	.0007	.0797	-0.003	-0.002
#3	.0003	.0039	.1149	.0157	.0000	.0006	.0613	.0000	-0.005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0020	.0005	.0017	-0.0003	.0000	.0006	.0004	.0003	-0.0002
Stddev	.0012	.0012	.0005	.0002	.0000	.0000	.0005	.0002	.0001
%RSD	62.65	256.5	27.28	66.93	2194.	6.870	126.9	63.01	22.99
#1	-.0017	.0016	.0012	-.0001	-.0001	.0006	.0005	.0001	-.0002
#2	-.0033	.0006	.0018	-.0002	.0000	.0006	-.0001	.0004	-.0002
#3	-.0009	-.0008	.0021	-.0004	.0001	.0006	.0008	.0002	-.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/11/2016 11:08:40 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2875.9	5387.8	43011.	3821.0
Stddev	8.1	9.5	94.	4.1
%RSD	.28213	.17627	.21953	.10786
#1	2879.8	5396.2	42939.	3817.5
#2	2881.2	5389.8	43118.	3825.6
#3	2866.5	5377.5	42976.	3820.0

Sample Name: CCV Acquired: 3/11/2016 13:23:02 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2494	39.85	1.966	1.987	2.006	40.75	2.020	2.005	2.055
Stddev	.0008	.08	.022	.006	.004	.13	.020	.019	.009
%RSD	.3388	.1974	1.110	.2810	.2093	.3113	.9872	.9481	.4194
#1	.2485	39.76	1.978	1.981	2.002	40.62	2.029	2.013	2.045
#2	.2502	39.87	1.980	1.992	2.005	40.75	2.034	2.018	2.062
#3	.2494	39.91	1.941	1.988	2.010	40.88	1.997	1.983	2.057

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.966	39.62	39.80	40.79	2.061	2.008	38.58	2.008	2.008
Stddev	.006	.04	.07	.20	.012	.019	.14	.020	.017
%RSD	.3230	.1116	.1767	.4899	.6010	.9342	.3631	.9804	.8344
#1	1.979	39.58	39.72	40.75	2.048	2.015	38.42	2.018	2.008
#2	1.992	39.61	39.86	40.60	2.072	2.022	38.65	2.020	2.024
#3	1.988	39.67	39.83	41.00	2.062	1.987	38.67	1.985	1.990

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.945	1.968	1.905	2.051	1.993	2.039	2.004	2.042	2.046
Stddev	.022	.021	.019	.019	.005	.009	.018	.005	.016
%RSD	1.124	1.041	1.008	.9187	.2550	.4203	.9095	.2545	.7688
#1	1.955	1.978	1.913	2.060	1.987	2.029	2.007	2.036	2.051
#2	1.960	1.981	1.920	2.063	1.996	2.046	2.020	2.047	2.058
#3	1.920	1.944	1.884	2.029	1.996	2.042	1.984	2.042	2.028

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/11/2016 13:23:02 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2392.7	5085.6	39617.	3602.8
Stddev	14.6	40.3	225.	8.1
%RSD	.60921	.79238	.56680	.22600
#1	2387.6	5056.2	39863.	3602.5
#2	2381.3	5069.1	39424.	3611.1
#3	2409.1	5131.6	39564.	3594.8

Sample Name: CCB Acquired: 3/11/2016 13:27:13 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0078	.0007	.0005	.0002	.0043	.0001	.0002	.0002
Stddev	.001	.0056	.0004	.0001	.0001	.0025	.0000	.0000	.0001
%RSD	1119.	72.15	68.17	25.85	48.21	57.24	31.01	17.82	38.25

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0145	.2466	-.0136	.0002	F-.0013	.3239	.0000	-.0004
Stddev	.0002	.0037	.0279	.0185	.0000	.0003	.0176	.0002	.0001
%RSD	197.0	25.87	11.32	136.0	23.90	21.51	5.422	332.7	22.66

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0004	-.0003	.0000	.0002	.0006	-.0002	.0001	.0000
Stddev	.0004	.0016	.0005	.000	.0000	.0001	.0006	.0001	.0000
%RSD	88.46	408.7	149.2	428.9	17.32	11.42	289.8	96.70	153.4

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/11/2016 13:27:13 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2807.5	5333.5	41846.	3682.1
Stddev	6.6	7.5	224.	19.8
%RSD	.23551	.14116	.53505	.53893

#1	2810.6	5337.0	42103.	3664.0
#2	2812.0	5338.7	41733.	3679.0
#3	2799.9	5324.9	41701.	3703.3

Sample Name: MP30097-MB1 Acquired: 3/11/2016 13:40:54 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-.0007	-.0003	.0000	.0000	.0013	-.0001	-.0001	.0002
Stddev	.0001	.0122	.0003	.000	.000	.0013	.0000	.0000	.0001
%RSD	52.12	1855.	98.18	476.2	122.9	96.88	44.28	35.70	54.41

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0417	.1509	-.0112	.0001	.0000	.3150	-.0001	-.0002
Stddev	.000	.0015	.0058	.0152	.0000	.0000	.0110	.0001	.0003
%RSD	181.7	3.642	3.868	136.0	5.230	71.58	3.479	152.9	187.7

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	-.0006	.0040	.0000	.0000	-.0004	-.0006	.0000	.0002
Stddev	.0006	.0004	.0003	.000	.0000	.0000	.0005	.000	.0001
%RSD	90.15	63.89	7.643	4988.	178.5	11.05	71.95	303.6	35.57

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30097-MB1 Acquired: 3/11/2016 13:40:54 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2787.0	5328.4	42109.	3657.2
Stddev	1.9	7.1	40.	8.4
%RSD	.06660	.13253	.09555	.23022

#1	2785.6	5332.1	42063.	3659.0
#2	2786.2	5320.3	42123.	3648.0
#3	2789.1	5332.9	42140.	3664.5

Sample Name: MP30097-B1 Acquired: 3/11/2016 13:45:26 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0499	29.54	2.039	2.130	.0552	27.96	.0539	.5290	.2199
Stddev	.0007	.09	.001	.002	.0001	.06	.0000	.0002	.0005
%RSD	1.385	.2984	.0364	.1048	.1268	.2097	.0888	.0457	.2379

#1	.0502	29.44	2.038	2.129	.0551	27.89	.0538	.5289	.2205
#2	.0491	29.55	2.039	2.133	.0553	27.97	.0539	.5293	.2195
#3	.0504	29.62	2.040	2.130	.0552	28.01	.0539	.5289	.2198

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2681	28.44	27.15	28.32	.5614	.5310	26.99	.5387	.5169
Stddev	.0009	.02	.15	.10	.0013	.0004	.03	.0003	.0013
%RSD	.3370	.0759	.5472	.3565	.2321	.0780	.1199	.0558	.2487

#1	.2692	28.45	26.98	28.31	.5628	.5312	27.01	.5383	.5171
#2	.2675	28.42	27.21	28.22	.5602	.5305	27.00	.5388	.5155
#3	.2677	28.46	27.25	28.42	.5613	.5312	26.95	.5389	.5180

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5117	2.047	.0239	.5537	.5332	.5523	2.067	.5058	.5471
Stddev	.0013	.005	.0004	.0004	.0017	.0020	.005	.0024	.0007
%RSD	.2522	.2674	1.845	.0803	.3097	.3652	.2276	.4774	.1271

#1	.5102	2.041	.0243	.5537	.5337	.5545	2.066	.5084	.5469
#2	.5120	2.048	.0234	.5541	.5345	.5516	2.063	.5053	.5479
#3	.5127	2.051	.0240	.5532	.5313	.5507	2.072	.5036	.5465

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30097-B1 Acquired: 3/11/2016 13:45:26 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2505.7	5146.2	39995.	3577.4
Stddev	1.9	6.9	66.	10.2
%RSD	.07413	.13343	.16386	.28498

#1	2506.1	5150.9	39940.	3577.1
#2	2507.3	5138.3	40067.	3587.8
#3	2503.6	5149.3	39977.	3567.4

Sample Name: FA32009-1 Acquired: 3/11/2016 13:49:40 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	4.291	.0074	.1066	.0002	10.54	-.0001	.0071	.0083
Stddev	.0001	.024	.0006	.0003	.0001	.04	.0000	.0001	.0003
%RSD	454.0	.5541	7.783	.2444	32.43	.3463	46.98	.9735	3.427

#1	.0000	4.315	.0077	.1068	.0001	10.56	-.0001	.0070	.0081
#2	.0002	4.291	.0077	.1066	.0002	10.49	-.0001	.0072	.0082
#3	-.0001	4.267	.0067	.1063	.0003	10.56	-.0001	.0072	.0086

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0023	8.198	1.225	4.112	.0593	.0006	45.73	.0031	-.0003
Stddev	.0001	.022	.038	.037	.0002	.0000	.06	.0001	.0006
%RSD	3.942	.2683	3.079	.8974	.2660	4.996	.1369	3.739	207.8

#1	.0023	8.212	1.227	4.086	.0594	.0006	45.80	.0031	-.0008
#2	.0023	8.173	1.186	4.154	.0594	.0005	45.70	.0029	-.0004
#3	.0024	8.209	1.261	4.097	.0591	.0005	45.68	.0032	-.0005

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0008	.0016	14.83	.0004	.0428	.1232	-.0014	.0114	.0607
Stddev	.0002	.0015	.08	.0000	.0002	.0100	.0005	.0001	.0001
%RSD	25.68	89.82	.5576	9.017	.4544	8.128	36.29	1.148	.2200

#1	.0006	.0015	14.92	.0005	.0427	.1337	-.0010	.0113	.0608
#2	.0009	.0032	14.81	.0005	.0427	.1223	-.0012	.0113	.0608
#3	.0010	.0002	14.75	.0004	.0430	.1137	-.0019	.0115	.0606

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2568.7	5241.5	40540.	3597.1
Stddev	6.2	12.9	70.	12.2
%RSD	.23979	.24541	.17168	.33803

#1	2574.6	5256.3	40536.	3596.8
#2	2562.3	5235.9	40612.	3609.3
#3	2569.4	5232.5	40472.	3585.0

Sample Name: MP30097-D1 Acquired: 3/11/2016 13:54:02 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	3.865	.0072	.1063	.0003	10.50	.0000	.0072	.0078
Stddev	.0002	.016	.0004	.0002	.0000	.03	.000	.0001	.0002
%RSD	252.4	.4238	5.519	.1890	17.32	.3060	127.0	1.498	2.884

#1	-.0001	3.856	.0069	.1061	.0003	10.49	.0000	.0071	.0079
#2	.0003	3.854	.0076	.1065	.0003	10.47	.0000	.0071	.0080
#3	.0000	3.884	.0070	.1063	.0002	10.53	-.0001	.0073	.0076

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0022	8.029	1.178	4.046	.0584	.0004	45.71	.0031	-.0001
Stddev	.0002	.009	.017	.019	.0003	.0001	.19	.0001	.0005
%RSD	7.794	.1079	1.404	.4703	.4599	26.36	.4161	1.915	542.8

#1	.0022	8.030	1.189	4.066	.0584	.0003	45.82	.0032	.0005
#2	.0021	8.019	1.186	4.044	.0586	.0005	45.49	.0032	-.0005
#3	.0024	8.037	1.159	4.028	.0581	.0003	45.81	.0031	-.0002

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0013	.0012	14.28	.0003	.0426	.1137	-.0008	.0112	.0595
Stddev	.0004	.0016	.09	.0001	.0003	.0151	.0007	.0001	.0002
%RSD	32.74	133.5	.6022	37.32	.5907	13.24	88.76	.6146	.2970

#1	.0016	.0002	14.38	.0002	.0427	.1295	-.0007	.0112	.0597
#2	.0015	.0030	14.26	.0004	.0423	.1120	-.0001	.0111	.0593
#3	.0008	.0009	14.21	.0004	.0427	.0996	-.0015	.0112	.0595

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2585.1	5274.0	41030.	3654.4
Stddev	5.2	3.0	171.	7.9
%RSD	.20255	.05653	.41754	.21544

#1	2590.2	5275.3	40883.	3659.7
#2	2579.8	5276.1	40990.	3658.0
#3	2585.3	5270.6	41218.	3645.3

Sample Name: MP30097-SD1 Acquired: 3/11/2016 13:58:26 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	4.333	.0109	.1097	.0001	10.77	-0.0003	.0073	.0077
Stddev	.0018	.015	.0028	.0018	.0003	.05	.0001	.0005	.0001
%RSD	822.2	.3546	25.65	1.681	332.6	.4900	20.75	6.710	1.491
#1	.0006	4.327	.0131	.1077	.0003	10.78	-.0002	.0079	.0077
#2	.0017	4.322	.0120	.1114	.0001	10.72	-.0002	.0070	.0077
#3	-.0017	4.351	.0078	.1099	-.0002	10.82	-.0003	.0071	.0075
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0019	8.318	1.556	4.028	.0623	-0.0002	47.39	.0035	-0.0024
Stddev	.0007	.042	.079	.091	.0032	.0005	.15	.0006	.0016
%RSD	34.95	.5059	5.103	2.259	5.173	275.7	.3171	16.17	66.91
#1	.0026	8.278	1.474	3.988	.0602	.0003	47.41	.0028	-.0019
#2	.0018	8.314	1.563	3.964	.0660	-.0002	47.24	.0036	-.0011
#3	.0013	8.361	1.632	4.132	.0606	-.0007	47.54	.0039	-.0043
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.0004	-0.0013	15.39	-0.0003	.0441	1.269	-0.0032	.0107	.1012
Stddev	.0031	.0047	.13	.0013	.0007	.0243	.0008	.0006	.0005
%RSD	878.0	370.8	8.274	387.6	1.548	19.19	24.02	5.185	5.090
#1	-.0037	-.0066	15.52	.0002	.0439	.1169	-.0026	.0100	.1014
#2	.0026	.0003	15.37	.0006	.0449	.1546	-.0030	.0109	.1016
#3	.0000	.0024	15.27	-.0018	.0436	.1091	-.0041	.0110	.1007
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2744.1	5351.1	41618.	3680.0					
Stddev	4.9	2.0	26.	14.0					
%RSD	.17787	.03790	.06178	.38031					
#1	2738.6	5353.5	41600.	3679.8					
#2	2747.9	5350.0	41605.	3694.2					
#3	2745.9	5349.9	41647.	3666.2					

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Sample Name: MP30097-PS1 Acquired: 3/11/2016 14:02:54 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0484	6.754	.1096	.3660	.0536	15.69	.0528	.0593	.0621
Stddev	.0002	.016	.0008	.0008	.0001	.04	.0001	.0001	.0002
%RSD	.3835	.2385	.6941	.2136	.2066	.2530	.1666	.2201	.3666
#1	.0484	6.772	.1104	.3652	.0537	15.67	.0528	.0593	.0621
#2	.0482	6.740	.1096	.3668	.0535	15.66	.0529	.0594	.0620
#3	.0485	6.749	.1089	.3660	.0537	15.74	.0527	.0591	.0624
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1075	11.10	11.26	9.349	.1129	.1002	54.81	.1074	.0497
Stddev	.0004	.03	.05	.015	.0006	.0002	.06	.0001	.0006
%RSD	.3262	.2924	.4268	.1556	.5566	.2074	.1103	.1338	1.127
#1	.1079	11.08	11.21	9.358	.1135	.1001	54.76	.1073	.0491
#2	.1072	11.09	11.31	9.332	.1129	.1000	54.79	.1075	.0500
#3	.1075	11.14	11.26	9.357	.1122	.1004	54.88	.1074	.0501
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.1043	.0979	14.58	.0501	.0908	.2177	.0989	.0617	.3362
Stddev	.0010	.0013	.06	.0003	.0002	.0045	.0018	.0004	.0007
%RSD	.9166	1.320	.3945	.5111	.2388	2.078	1.795	.6329	.2087
#1	.1052	.0993	14.65	.0498	.0907	.2126	.0971	.0618	.3367
#2	.1033	.0976	14.56	.0501	.0911	.2195	.0989	.0613	.3365
#3	.1044	.0968	14.54	.0503	.0907	.2210	.1007	.0620	.3354
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2534.2	5223.5	40447.	3604.6					
Stddev	6.9	4.5	155.	15.9					
%RSD	.27198	.08545	.38422	.44219					
#1	2526.2	5221.3	40293.	3616.7					
#2	2538.8	5228.6	40444.	3610.5					
#3	2537.4	5220.6	40604.	3586.5					

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7.1
7

Sample Name: MP30097-S1 Acquired: 3/11/2016 14:07:12 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0504	33.29	2.062	2.214	.0555	38.11	.0535	.5301	.2267
Stddev	.0006	.13	.008	.007	.0002	.14	.0001	.0007	.0005
%RSD	1.117	.3825	.3762	.3354	.3184	.3707	.1208	.1261	.2408
#1	.0508	33.25	2.058	2.209	.0556	38.02	.0535	.5295	.2273
#2	.0498	33.44	2.057	2.222	.0556	38.27	.0535	.5302	.2264
#3	.0507	33.19	2.071	2.209	.0553	38.05	.0536	.5308	.2264
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2701	36.36	28.12	32.39	6.192	5.280	72.97	5.370	5.241
Stddev	.0010	.02	.08	.09	.0019	.0004	.15	.0021	.0014
%RSD	.3617	.0633	.2720	.2680	.3122	.0718	.2115	.3890	.2729
#1	.2702	36.34	28.06	32.33	.6215	.5279	73.02	.5365	.5232
#2	.2711	36.37	28.21	32.49	.6183	.5277	73.10	.5353	.5234
#3	.2691	36.38	28.10	32.35	.6180	.5284	72.80	.5394	.5258
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5044	2.053	14.38	5.428	.5772	6.510	2.080	.5184	.6008
Stddev	.0007	.005	.07	.0003	.0014	.0093	.006	.0014	.0006
%RSD	.1395	.2336	.5111	.0547	.2388	1.433	.2983	.2687	.1033
#1	.5053	2.051	14.42	.5425	.5781	6.618	2.085	.5197	.6014
#2	.5040	2.050	14.42	.5426	.5780	6.454	2.073	.5169	.6009
#3	.5041	2.059	14.29	.5431	.5757	6.459	2.082	.5187	.6001
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2414.6	5115.7	39480.	3545.9					
Stddev	2.8	2.8	105.	8.8					
%RSD	.11549	.05381	.26499	.24898					
#1	2411.4	5113.3	39364.	3556.0					
#2	2416.4	5115.1	39511.	3539.8					
#3	2416.0	5118.7	39566.	3541.9					

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Sample Name: MP30097-S2 Acquired: 3/11/2016 14:11:23 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0497	32.39	2.062	2.217	.0549	37.57	.0534	.5289	.2248
Stddev	.0005	.04	.004	.002	.0002	.10	.0000	.0003	.0006
%RSD	.9167	.1366	.1803	.0755	.4032	.2668	.0913	.0633	.2747
#1	.0492	32.40	2.059	2.215	.0547	37.50	.0534	.5292	.2248
#2	.0499	32.35	2.066	2.216	.0551	37.53	.0535	.5286	.2254
#3	.0501	32.44	2.060	2.219	.0548	37.69	.0534	.5291	.2242
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2675	35.48	27.89	31.71	6.098	5.261	71.81	5.354	5.249
Stddev	.0002	.06	.04	.04	.0024	.0008	.03	.0012	.0015
%RSD</									

Sample Name: CCV Acquired: 3/11/2016 14:15:35 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.482	39.96	1.984	1.971	2.017	40.55	2.037	2.015	2.064
Stddev	.0003	.20	.001	.010	.007	.07	.000	.001	.011
%RSD	.1177	.4981	.0519	.5235	.3316	.1815	.0156	.0339	.5188
#1	.2479	39.95	1.984	1.972	2.020	40.58	2.036	2.015	2.053
#2	.2481	39.77	1.984	1.960	2.010	40.46	2.037	2.014	2.074
#3	.2485	40.17	1.986	1.981	2.022	40.60	2.037	2.016	2.065

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.985	39.75	39.58	40.70	2.082	2.022	39.47	2.031	2.015
Stddev	.004	.10	.18	.16	.012	.001	.23	.002	.008
%RSD	.2154	.2408	.4559	.3959	.5939	.0379	.5942	.0894	.3884
#1	1.981	39.78	39.60	40.61	2.068	2.022	39.52	2.030	2.008
#2	1.984	39.64	39.38	40.59	2.092	2.022	39.21	2.031	2.024
#3	1.990	39.83	39.74	40.88	2.086	2.021	39.67	2.033	2.013

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.969	1.977	1.927	2.061	2.009	2.056	2.015	2.052	2.061
Stddev	.001	.001	.001	.001	.009	.005	.009	.002	.002
%RSD	.0333	.0467	.0249	.0488	.4297	.2666	.4291	.1125	.1168
#1	1.968	1.976	1.927	2.061	2.012	2.050	2.013	2.049	2.064
#2	1.970	1.976	1.926	2.061	1.999	2.060	2.025	2.054	2.062
#3	1.969	1.978	1.927	2.059	2.015	2.059	2.008	2.053	2.059

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/11/2016 14:15:35 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2394.9	5059.1	39620.	3585.8
Stddev	8.8	8.1	203.	11.9
%RSD	.36694	.16004	.51157	.33269
#1	2401.8	5066.9	39854.	3597.2
#2	2385.0	5059.5	39507.	3586.9
#3	2397.8	5050.7	39500.	3573.4

7.1
7

Sample Name: CCB Acquired: 3/11/2016 14:19:45 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	0.111	0.002	0.003	0.001	0.039	0.001	0.001	0.001
Stddev	.0004	.0134	.0003	.0003	.0000	.0031	.0000	.0000	.0001
%RSD	105.4	120.3	193.9	86.99	37.35	78.70	38.57	75.26	109.4
#1	-0.002	-0.043	.0000	.0003	.0001	.0004	.0002	.0001	.0000
#2	-0.001	.0189	.0005	.0006	.0001	.0058	.0001	.0001	.0001
#3	-0.009	.0188	.0000	.0001	.0001	.0056	.0001	.0000	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.000	0.145	0.448	-0.168	0.001	F.0014	0.1132	0.000	-0.004
Stddev	.000	.0035	.0396	.0202	.0000	.0002	.0056	.0002	.0004
%RSD	418.1	23.94	88.49	119.9	1.086	16.68	4.920	448.0	99.23
#1	.0000	.0174	.0716	-.0133	.0001	.0017	.1179	.0001	.0000
#2	-0.002	.0153	-.0007	.0013	.0001	.0014	.1147	-0.002	-0.008
#3	.0001	.0106	.0635	-.0386	.0001	.0012	.1071	.0002	-0.004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.001	0.006	0.001	0.000	0.002	0.006	0.008	0.000	0.000
Stddev	.0014	.0004	.0007	.0001	.0001	.0001	.0009	.000	.0001
%RSD	104.4	61.45	61.48	137.6	29.90	11.92	121.5	870.6	197.6
#1	.0018	.0005	.0006	.0001	.0002	.0006	.0017	.0002	.0001
#2	-0.007	.0003	.0004	.0001	.0001	.0006	-.0001	.0000	.0001
#3	-0.007	.0011	-.0006	.0000	.0002	.0005	.0006	-.0003	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/11/2016 14:19:45 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2829.6	5329.3	41734.	3670.4
Stddev	5.6	5.4	159.	33.1
%RSD	.19918	.10219	.38068	.90203
#1	2832.7	5334.2	41744.	3640.5
#2	2823.1	5323.4	41571.	3706.0
#3	2833.0	5330.4	41888.	3664.6

Sample Name: FA32009-8 Acquired: 3/11/2016 14:24:17 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.9530	.0027	.1301	.0000	20.83	.0000	.0033	.0020
Stddev	.0002	.0082	.0002	.0009	.0000	.14	.000	.0001	.0001
%RSD	370.8	.8559	6.324	.6963	43.00	.6562	821.1	4.492	5.828

#1	.0001	.9449	.0025	.1293	.0000	20.69	.0000	.0032	.0021
#2	.0003	.9612	.0028	.1311	.0001	20.96	.0000	.0034	.0019
#3	-.0002	.9529	.0027	.1299	.0000	20.84	.0000	.0032	.0020

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0007	4.061	1.332	5.429	.0696	.0020	59.49	.0020	.0012
Stddev	.0001	.005	.013	.008	.0004	.0001	.25	.0000	.0005
%RSD	.9844	.1250	.9795	.1547	.5187	3.243	.4239	1.737	42.65

#1	.0097	4.062	1.317	5.426	.0696	.0021	59.37	.0020	.0008
#2	.0098	4.065	1.343	5.439	.0699	.0020	59.78	.0019	.0018
#3	.0097	4.055	1.336	5.422	.0692	.0020	59.32	.0020	.0011

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0008	.0004	6.484	.0007	.2584	.0248	-.0011	.0023	.0544
Stddev	.0004	.0003	.004	.0002	.0009	.0019	.0008	.0001	.0002
%RSD	49.60	71.79	.0586	35.14	.3454	7.690	73.10	4.874	.3045

#1	.0011	.0003	6.480	.0004	.2588	.0268	-.0012	.0024	.0543
#2	.0004	.0008	6.488	.0006	.2590	.0231	-.0019	.0024	.0546
#3	.0011	.0002	6.484	.0009	.2573	.0244	-.0002	.0022	.0543

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2550.6	5117.8	3992.6	3615.8
Stddev	.5	5.2	65.	16.3
%RSD	.01938	.10174	.16347	.45185

#1	2550.8	5113.7	3985.5	3631.3
#2	2550.0	5115.9	3994.0	3598.7
#3	2551.0	5123.6	3998.4	3617.6

Sample Name: FA32030-12F Acquired: 3/11/2016 14:28:42 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0001	.0093	.0017	.0454	-.0001	17.93	-.0002	.0031	.0011
Stddev	.0002	.0101	.0006	.0003	.0000	.08	.0000	.0001	.0002
%RSD	119.3	108.5	35.62	.6292	43.55	.4200	21.11	2.975	23.19

#1	.0000	.0123	.0021	.0453	-.0001	17.95	-.0001	.0032	.0009
#2	-.0003	.0176	.0020	.0458	-.0001	17.99	-.0002	.0031	.0013
#3	-.0002	-.0019	.0010	.0453	.0000	17.85	-.0001	.0030	.0010

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0005	24.04	2.149	7.384	1.036	.0031	16.19	.0396	-.0033
Stddev	.0002	.21	.011	.075	.002	.0002	.12	.0002	.0010
%RSD	33.91	.8699	.5126	1.014	.2004	6.361	.7583	.5982	28.85

#1	.0005	23.99	2.137	7.353	1.034	.0029	16.22	.0393	-.0026
#2	.0003	24.27	2.159	7.469	1.036	.0032	16.30	.0398	-.0030
#3	.0006	23.86	2.151	7.329	1.038	.0033	16.06	.0396	-.0044

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0002	.0006	9.630	.0001	.0408	.0002	.0000	-.0003	.0314
Stddev	.0003	.0014	.014	.0001	.0002	.0001	.0006	.0001	.0002
%RSD	118.6	214.1	.1404	92.87	.5076	30.17	2867.0	30.55	.5035

#1	.0002	.0017	9.615	.0002	.0408	.0003	.0005	-.0004	.0313
#2	.0005	.0011	9.635	.0000	.0409	.0002	.0002	-.0004	.0314
#3	.0000	-.0009	9.640	.0001	.0405	.0002	-.0007	-.0002	.0316

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2636.5	5166.8	4072.2	3635.9
Stddev	3.2	3.8	60.	37.5
%RSD	.12017	.07427	.14729	1.0321

#1	2634.2	5171.2	4078.5	3649.8
#2	2635.4	5164.4	4066.6	3593.4
#3	2640.1	5164.8	4071.4	3664.5

7.1
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Sample Name: FA32030-13F Acquired: 3/11/2016 14:33:08 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0007	.0078	.0131	.0737	.0000	29.80	.0001	.0374	.0011
Stddev	.0002	.0089	.0003	.0003	.000	.13	.0000	.0002	.0002
%RSD	36.19	114.0	2.112	.3860	280.4	.4415	7.689	4.899	14.32

#1	.0005	.0125	.0131	.0739	.0000	29.73	.0001	.0376	.0009
#2	.0009	.0134	.0128	.0734	.0000	29.71	.0001	.0373	.0011
#3	.0006	-.0024	.0133	.0737	-.0001	29.95	.0001	.0370	.0012

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0011	11.42	1.349	16.48	5.436	.0039	39.90	.0178	-.0012
Stddev	.0002	.02	.021	.14	.010	.0001	.08	.0001	.0002
%RSD	20.86	.1779	1.571	.8407	.1827	1.857	.2026	.3023	12.90

#1	.0012	11.42	1.339	16.37	5.446	.0039	39.89	.0178	-.0014
#2	.0014	11.39	1.373	16.43	5.436	.0040	39.83	.0179	-.0011
#3	.0009	11.43	1.334	16.63	5.426	.0038	39.99	.0179	-.0011

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0010	.0015	7.343	-.0001	.0917	.0002	.0000	-.0002	.0195
Stddev	.0007	.0015	.019	.0001	.0002	.0001	.0008	.0002	.0001
%RSD	71.56	101.7	.2590	146.4	.1835	43.39	2202.	81.54	.3012

#1	.0006	.0031	7.365	.0000	.0916	.0001	-.0002	-.0004	.0195
#2	.0006	.0001	7.331	.0000	.0915	.0003	.0009	-.0003	.0196
#3	.0019	.0013	7.332	-.0002	.0918	.0003	-.0006	.0000	.0195

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2563.3	5102.6	3972.4	3597.3
Stddev	1.7	4.3	137.	21.3
%RSD	.06641	.08513	.34582	.59246

#1	2564.8	5098.0	3960.1	3604.1
#2	2563.6	5103.1	3969.8	3614.4
#3	2561.5	5106.7	3987.2	3573.4

Sample Name: FA32059-3 Acquired: 3/11/2016 14:37:43 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0001	1.227	.0193	.1625	.0000	22.02	-.0001	.0031	.0013
Stddev	.0004	.012	.0006	.0003	.0000	.08	.0001	.0001	.0001
%RSD	245.6	.9849	3.081	.2057	90.95	.3784	66.93	1.728	11.06

#1	-.0001	1.214	.0198	.1623	.0001	22.10	-.0001	.0031	.0014
#2	-.0006	1.229	.0186	.1628	.0001	21.94	-.0002	.0030	.0014
#3	.0002	1							

Sample Name: FA32054-6 Acquired: 3/11/2016 14:42:08 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, IS Ref, Avg, Stdev, %RSD) and 11 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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Sample Name: FA32054-6 Acquired: 3/11/2016 14:42:08 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, IS Ref, Avg, Stdev, %RSD) and 11 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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Sample Name: FA32067-2F Acquired: 3/11/2016 14:46:32 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, IS Ref, Avg, Stdev, %RSD) and 11 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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Sample Name: FA32067-3F Acquired: 3/11/2016 14:51:00 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, IS Ref, Avg, Stdev, %RSD) and 11 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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7.1

Sample Name: FA32073-1 Acquired: 3/11/2016 14:55:28 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0003	.5022	.0002	.1345	.0001	13.52	-.0001	.0031	.0054
Stddev	.0001	.0034	.0004	.0000	.0000	.02	.0000	.0000	.0003
%RSD	35.40	.6735	179.7	.0298	29.01	.1523	36.66	.2912	5.072
#1	.0004	.5055	-.0002	.1344	.0001	13.54	-.0001	.0031	.0057
#2	.0002	.5022	.0006	.1345	.0001	13.51	-.0001	.0031	.0051
#3	.0003	.4988	.0002	.1345	.0001	13.50	.0000	.0031	.0053
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0326	8.977	8.880	3.873	1.505	.0001	5.449	.0065	-.0003
Stddev	.0004	.034	.006	.023	.001	.0000	.021	.0002	.0003
%RSD	1.236	.3791	.0681	.5842	.0831	17.10	.3771	2.358	96.19
#1	.0330	9.015	8.873	3.878	1.506	.0002	5.472	.0063	.0000
#2	.0324	8.950	8.884	3.849	1.506	.0001	5.442	.0065	-.0005
#3	.0323	8.966	8.882	3.893	1.504	.0001	5.433	.0066	-.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0002	.0011	3.806	.0004	.0909	.0205	-.0010	.0029	.0762
Stddev	.0001	.0015	.010	.0001	.0007	.0006	.0005	.0002	.0003
%RSD	71.40	134.9	.2512	25.95	7.171	3.056	51.97	5.297	.4405
#1	.0003	-.0002	3.817	.0003	.0915	.0207	-.0006	.0028	.0758
#2	.0000	.0028	3.801	.0004	.0908	.0209	-.0008	.0028	.0765
#3	.0002	.0008	3.801	.0005	.0902	.0198	-.0016	.0031	.0762
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2679.5	5236.1	41180.	3647.4					
Stddev	8.4	7.1	113.	7.2					
%RSD	.31385	.13631	.27465	.19728					
#1	2674.8	5241.3	41297.	3641.8					
#2	2689.2	5239.1	41071.	3644.9					
#3	2674.4	5228.0	41171.	3655.5					

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Sample Name: FA32073-3 Acquired: 3/11/2016 14:59:52 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0005	.5709	-.0003	.1299	.0001	16.18	-.0001	.0114	.0157
Stddev	.0002	.0189	.0003	.0003	.0000	.06	.0000	.0001	.0002
%RSD	43.47	3.312	94.90	.2643	17.27	.3492	46.18	.5089	1.192
#1	.0004	.5492	-.0003	.1295	.0001	16.17	.0000	.0114	.0159
#2	.0007	.5805	-.0007	.1302	.0001	16.25	-.0001	.0114	.0155
#3	.0003	.5832	.0000	.1300	.0001	16.14	.0000	.0113	.0156
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0678	10.67	9.961	4.261	3.126	.0002	5.351	.0150	.0008
Stddev	.0003	.03	.027	.017	.003	.0001	.020	.0002	.0002
%RSD	.3938	.3139	.2745	.4022	.0889	30.55	.3729	1.594	27.56
#1	.0679	10.68	9.936	4.241	3.127	.0002	5.365	.0153	.0011
#2	.0680	10.70	9.957	4.274	3.128	.0002	5.361	.0148	.0008
#3	.0675	10.63	9.990	4.267	3.123	.0001	5.329	.0149	.0006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0006	.0009	3.666	.0001	.0942	.0244	-.0005	.0033	.1098
Stddev	.0005	.0008	.003	.0000	.0002	.0007	.0009	.0002	.0003
%RSD	83.12	96.78	.0899	32.48	.2199	3.018	203.6	4.918	.2525
#1	.0000	.0016	3.668	.0001	.0942	.0238	.0005	.0032	.1095
#2	.0009	-.0001	3.662	.0001	.0945	.0252	-.0014	.0035	.1100
#3	.0009	.0010	3.667	.0002	.0941	.0241	-.0005	.0033	.1100
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2674.2	5259.7	41376.	3692.0					
Stddev	2.1	1.5	91.	28.7					
%RSD	.07887	.02938	.21908	.77730					
#1	2674.4	5259.6	41480.	3659.1					
#2	2672.0	5261.3	41330.	3705.0					
#3	2676.2	5258.2	41318.	3711.9					

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Sample Name: FA32073-5 Acquired: 3/11/2016 15:04:25 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0001	.2015	-.0004	.2868	.0000	12.64	-.0002	.0017	.0139
Stddev	.0002	.0037	.0006	.0016	.000	.05	.0001	.0001	.0001
%RSD	194.7	1.844	130.8	.5672	99.87	.3925	35.80	5.009	.6879
#1	.0001	.1982	-.0009	.2887	-.0001	12.69	-.0001	.0016	.0140
#2	-.0001	.2009	-.0005	.2859	.0000	12.64	-.0002	.0017	.0138
#3	-.0004	.2055	.0002	.2858	.0000	12.59	-.0003	.0017	.0139
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0292	21.74	12.97	4.938	1.972	-.0001	13.83	.0151	-.0016
Stddev	.0000	.08	.05	.009	.006	.0001	.08	.0001	.0008
%RSD	.1284	.3796	.4110	.1782	.3215	36.73	.5700	.3596	46.83
#1	.0292	21.84	13.03	4.929	1.971	-.0001	13.91	.0152	-.0023
#2	.0292	21.70	12.95	4.941	1.979	-.0002	13.84	.0152	-.0008
#3	.0291	21.69	12.92	4.946	1.967	-.0001	13.75	.0151	-.0016
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0008	.0000	4.557	.0001	.0952	.0090	-.0018	.0023	.2642
Stddev	.0008	.001	.014	.0001	.0007	.0001	.0006	.0002	.0002
%RSD	106.7	4907.	.2974	111.9	.7509	1.550	35.36	6.699	.0860
#1	.0015	-.0001	4.568	.0000	.0960	.0091	-.0016	.0021	.2639
#2	.0009	.0013	4.542	.0002	.0950	.0089	-.0025	.0024	.2643
#3	-.0001	-.0013	4.560	.0002	.0946	.0089	-.0013	.0024	.2644
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2630.1	5187.1	40900.	3704.7					
Stddev	1.3	10.1	80.	17.7					
%RSD	.05082	.19430	.19530	.47815					
#1	2628.9	5181.6	40856.	3684.3					
#2	2629.9	5198.8	40851.	3713.9					
#3	2631.6	5181.0	40992.	3715.9					

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Sample Name: CCV Acquired: 3/11/2016 15:08:46 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.497	40.39	2.015	1.992	2.046	40.69	2.062	2.039	2.082
Stddev	.0007	.07	.004	.002	.005	.10	.001	.002	.005
%RSD	.2965	.1676	.1907	.1154	.2233	.2517	.0591	.0889	.2334
#1	.2492	40.44	2.019	1.995	2.047	40.79	2.062	2.040	2.087
#2	.2495	40.31	2.015	1.992	2.041	40.68	2.063	2.040	2.083
#3	.2506	40.41	2.011	1.990	2.050	40.59	2.061	2.037	2.077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.009	40.17	39.85	40.97	2.105	2.047	40.11	2.062	2.028
Stddev	.003	.05	.09	.15	.007	.001	.04	.003	.004
%RSD	.1705	.1182	.2226	.3712	.3479	.0516	.1032	.1228	.1870

Sample Name: CCV Acquired: 3/11/2016 15:08:46 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2374.4	4978.0	39094.	3579.1
Stddev	3.7	.8	98.	9.3
%RSD	.15765	.01554	.25012	.25877
#1	2374.9	4978.8	39112.	3583.3
#2	2370.4	4977.4	38989.	3585.6
#3	2377.9	4977.6	39183.	3568.5

Sample Name: CCB Acquired: 3/11/2016 15:13:00 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2815.8	5316.4	41970.	3720.8
Stddev	7.4	4.5	136.	33.2
%RSD	.26336	.08413	.32318	.89200
#1	2810.3	5311.9	42068.	3730.4
#2	2812.9	5316.5	42027.	3748.2
#3	2824.3	5320.8	41815.	3683.9

Sample Name: CCB Acquired: 3/11/2016 15:13:00 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0001	.0011	.0012	.0003	.0002	.0010	.0001	.0001	.0001
Stddev	.0002	.0015	.0005	.0002	.0000	.0046	.0000	.0001	.0001
%RSD	369.5	135.4	39.67	48.74	23.08	468.0	31.90	61.69	104.0
#1	.0000	.0017	.0016	.0003	.0002	-.0026	.0002	.0001	.0000
#2	-.0001	.0023	.0013	.0002	.0001	-.0006	.0001	.0002	.0001
#3	.0003	-.0006	.0007	.0005	.0002	.0061	.0001	.0001	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0000	.0150	.0082	-.0290	.0001	F-.0013	.0559	.0001	-.0006
Stddev	.0001	.0028	.0312	.0169	.0000	.0003	.0007	.0001	.0006
%RSD	267.7	18.60	380.7	58.24	9.094	19.82	1.273	189.4	105.2
#1	.0002	.0175	.0108	-.0291	.0002	.0015	.0562	.0002	.0001
#2	.0000	.0120	.0380	-.0121	.0001	.0015	.0551	.0001	-.0009
#3	.0000	.0156	-.0242	-.0459	.0001	.0010	.0564	-.0001	-.0009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0005	-.0002	.0005	.0001	.0001	.0006	.0006	.0001	.0000
Stddev	.0003	.0009	.0002	.0001	.0000	.0002	.0003	.0003	.0001
%RSD	64.02	341.7	40.41	163.4	30.47	27.16	55.96	254.4	318.1
#1	.0006	.0000	.0004	.0000	.0001	.0007	.0008	.0004	-.0001
#2	.0007	-.0012	.0007	.0000	.0001	.0007	.0007	-.0001	.0001
#3	.0001	.0004	.0003	.0002	.0001	.0004	.0002	.0000	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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Sample Name: FA32073-8 Acquired: 3/11/2016 15:17:30 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (In2306)
Avg	.0000	.2045	-.0001	.2881	.0000	12.71	-.0001	.0018	.0169
Stddev	.000	.0016	.0003	.0013	.0000	.02	.0000	.0000	.0001
%RSD	1777.	.7601	459.9	4500	82.60	.1424	38.00	2.722	.4739
#1	.0001	.2028	.0000	.2893	.0000	12.73	-.0001	.0018	.0169
#2	.0000	.2049	.0002	.2867	.0000	12.69	-.0001	.0017	.0170
#3	-.0002	.2058	-.0004	.2881	.0001	12.71	-.0001	.0018	.0169

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.0291	21.90	12.95	4.971	2.000	.0004	17.57	.0196	-.0016
Stddev	.0001	.04	.07	.048	.004	.0001	.09	.0003	.0006
%RSD	.4776	.2003	.5717	.9736	.1902	14.18	.5011	1.555	40.74
#1	.0291	21.93	13.00	5.019	2.004	.0003	17.63	.0193	-.0023
#2	.0293	21.85	12.87	4.973	1.996	.0004	17.47	.0197	-.0014
#3	.0290	21.92	12.98	4.922	2.000	.0003	17.61	.0199	-.0011

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_2243)	Zn2062 (Y_2243)
Avg	.0012	.0005	4.599	.0003	.0954	.0093	-.0012	.0023	.7988
Stddev	.0003	.0009	.018	.0001	.0007	.0003	.0008	.0002	.0032
%RSD	27.42	172.7	.3898	19.63	.7419	3.254	68.04	8.280	.3990
#1	.0016	.0016	4.593	.0002	.0961	.0091	-.0017	.0024	.7961
#2	.0011	.0002	4.584	.0003	.0947	.0091	-.0003	.0021	.7979
#3	.0010	-.0002	4.619	.0003	.0956	.0097	-.0016	.0024	.8023

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2590.4	5102.4	40244.	3649.2
Stddev	9.5	17.2	131.	16.8
%RSD	.36673	.33698	.32432	.46122
#1	2598.0	5111.1	40184.	3647.5
#2	2593.5	5113.4	40394.	3666.8
#3	2579.8	5082.6	40155.	3633.3

Sample Name: FA32073-12 Acquired: 3/11/2016 15:21:55 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.3078	-.0008	.0444	.0000	3.299	.0000	.0073	.0260
Stddev	.000	.0057	.0004	.0003	.0001	.022	.000	.0002	.0003
%RSD	944.2	1.847	46.98	.6617	44.36	.6803	121.1	2.221	1.224
#1	-.0001	.3013	-.0012	.0447	.0001	3.291	-.0001	.0072	.0262
#2	-.0001	.3118	-.0007	.0445	.0000	3.325	.0000	.0075	.0262
#3	.0002	.3102	-.0005	.0441	-.0001	3.283	.0000	.0073	.0256
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0111	.8713	.6153	1.868	1.523	.0005	55.66	.0145	.0006
Stddev	.0004	.0055	.0252	.023	.004	.0002	.12	.0001	.0003
%RSD	3.573	.6329	4.096	1.219	.2266	35.51	.2143	.5142	48.06
#1	.0115	.8716	.6283	1.869	1.523	.0003	55.63	.0145	.0008
#2	.0107	.8767	.5863	1.890	1.527	.0006	55.79	.0144	.0003
#3	.0110	.8657	.6314	1.845	1.520	.0007	55.56	.0145	.0008
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0012	.0008	5.861	.0000	.0304	.0099	-.0010	.0010	.0747
Stddev	.0007	.0006	.009	.000	.0001	.0004	.0004	.0001	.0002
%RSD	54.80	80.01	.1595	818.4	3.607	4.084	42.93	10.75	2.969
#1	.0009	.0015	5.865	.0001	.0304	.0094	-.0015	.0011	.0749
#2	.0008	.0002	5.867	-.0003	.0305	.0102	-.0007	.0009	.0745
#3	.0020	.0006	5.850	.0001	.0303	.0099	-.0009	.0010	.0746
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2601.3	5143.8	39996.	3615.5					
Stddev	7.9	12.8	136.	2.2					
%RSD	.30419	.24947	.33940	.06096					
#1	2592.2	5130.1	39981.	3618.0					
#2	2605.1	5145.7	39868.	3614.3					
#3	2606.6	5155.6	40138.	3614.1					

Sample Name: FA32072-23 Acquired: 3/11/2016 15:26:20 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.0079	-.0007	.0003	.0000	.0356	.0000	.0000	.0003
Stddev	.0001	.0086	.0003	.0000	.000	.0020	.000	.000	.0001
%RSD	257.7	108.6	46.67	13.25	353.3	5.640	105.4	165.5	38.41
#1	.0002	.0171	-.0008	.0003	.0000	.0336	-.0001	-.0001	.0002
#2	.0000	.0000	-.0009	.0003	.0001	.0376	.0000	-.0001	.0004
#3	.0000	.0066	-.0003	.0004	-.0001	.0355	-.0001	.0000	.0004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0003	.0084	.0397	-.0277	.0003	.0001	.1946	.0002	-.0006
Stddev	.0002	.0002	.0190	.0234	.0000	.0000	.0062	.0001	.0006
%RSD	58.39	2.841	47.89	84.39	11.52	10.11	3.161	30.41	109.3
#1	-.0004	.0082	.0576	-.0380	.0003	.0001	.1975	.0002	-.0008
#2	-.0001	.0085	.0198	-.0009	.0004	.0001	.1989	.0002	.0001
#3	-.0003	.0086	.0417	-.0441	.0003	.0001	.1876	.0003	-.0010
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0006	.0012	.0119	-.0001	.0003	-.0003	-.0012	.0000	.0014
Stddev	.0005	.0014	.0006	.0002	.0001	.0000	.0008	.0001	.0001
%RSD	92.66	120.3	5.000	137.8	16.26	11.74	71.69	875.6	6.387
#1	.0009	.0005	.0122	-.0003	.0003	-.0002	-.0016	-.0001	.0013
#2	.0000	.0028	.0122	-.0001	.0003	-.0002	-.0016	.0000	.0014
#3	.0008	.0002	.0112	.0000	.0004	-.0003	-.0002	.0001	.0015
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2818.5	5325.2	42594.	3731.8					
Stddev	11.6	12.9	198.	23.8					
%RSD	.41177	.24159	.46586	.63740					
#1	2829.2	5330.6	42402.	3706.3					
#2	2820.0	5334.5	42581.	3753.4					
#3	2806.1	5310.5	42798.	3735.6					

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Sample Name: FA32077-23 Acquired: 3/11/2016 15:30:52 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0002	.2869	-.0005	.0064	.0000	.2223	.0000	.0001	.0017
Stddev	.0001	.0039	.0002	.0001	.000	.0037	.000	.0001	.0003
%RSD	83.44	1.344	42.86	2.174	324.4	1.644	419.9	79.78	15.07
#1	-.0002	.2835	-.0005	.0063	.0000	.2192	.0000	.0001	.0018
#2	-.0003	.2911	-.0008	.0065	-.0001	.2263	.0000	.0000	.0020
#3	.0000	.2861	-.0003	.0066	.0000	.2214	.0000	.0002	.0014
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0006	.2828	.1223	.0691	.0093	.0001	.2921	.0008	.0045
Stddev	.0000	.0049	.0198	.0098	.0001	.0002	.0042	.0001	.0005
%RSD	6.950	1.720	16.15	14.20	.6342	114.5	1.435	8.028	11.52
#1	.0006	.2776	.1446	.0643	.0093	.0000	.2964	.0009	.0044
#2	.0007	.2872	.1153	.0626	.0093	.0002	.2880	.0008	.0040
#3	.0006	.2836	.1070	.0804	.0094	.0003	.2921	.0008	.0050
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0001	.0005	.5053	-.0001	.0015	.0157	-.0009	.0006	.0117
Stddev	.0003	.0009	.0104	.0002	.0000	.0003	.0005	.0001	.0001
%RSD	198.8	175.6	2.062	152.3	2.502	1.866	52.80	10.45	.5209
#1	-.0002	-.0003	.5170	.0000	.0016	.0156	-.0009	.0006	.0117
#2	.0002	.0014	.5022	-.0003	.0015	.0154	-.0004	.0006	.0118
#3	.0003	.0004	.4968	-.0001	.0015	.0160	-.0014	.0007	.0117
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2809.3	5335.7	42612.	3797.3					
Stddev	5.9	7.6	47.	31.4					
%RSD	.21055	.14154	.11038	.82743					
#1	2803.0	5329.5	42607.	3807.0					
#2	2814.7	5333.4	42662.	3762.2					
#3	2810.2	5344.1	42568.	3822.7					

Sample Name: FA32084-14 Acquired: 3/11/2016 15:35:23 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.4533	-.0002	.0052	.0000	.1771	.0000	.0002	.0022
Stddev	.000	.0111	.0007	.0002	.000	.0054	.000	.0000	.0002
%RSD	510.5	2.440	355.6	4.712	1025.	3.025	79.45	8.671	9.709
#1	-.0002	.4616	-.0003	.0055	.0000	.1728	-.0001	.0002	.0024
#2	.0000	.4407	-.0008	.0050	.0000	.1831	.0000	.0002	.0020
#3	.0001	.4574	.0006	.0052	.0000	.1755	.0000	.0002	.0021
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0006	.4539	.1446	.0828	.0088	.0002	.1663	.0012	.0012
Stddev	.0000	.0043	.0188	.0026	.0001	.0001	.0093	.0001	.0002
%RSD	7.526	.9427	13.01	3.119	.6443	33.19	5.579	9.074	16.69
#1	.0006	.4557	.1579	.0825	.0088	.0001	.1647	.0012	.0011
#2	.0006	.4570	.1231	.0804	.0087	.0001	.1579	.0011	.0014
#3	.0005	.4490	.1529	.0855	.0088	.0002	.1762	.0014	.0010
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)					

Sample Name: FA31930-5 Acquired: 3/11/2016 15:39:54 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.0529	0.006	0.0171	0.000	34.11	-0.001	0.001	0.003
Stddev	.0002	.0078	.0008	.0002	.000	.11	.0000	.0001	.0002
%RSD	187.2	14.77	128.9	.9217	160.9	.3335	41.89	149.8	68.04
#1	.0001	.0449	.0001	.0170	.0000	34.19	-.0001	.0001	.0001
#2	-.0003	.0605	.0016	.0173	-.0001	34.16	-.0001	.0000	.0005
#3	-.0002	.0531	.0003	.0170	.0000	33.98	-.0001	.0000	.0004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0092	0.0080	0.0044	8.169	0.0029	0.000	10.42	0.004	-0.006
Stddev	.0003	.0011	.0191	.042	.0001	.000	.03	.0001	.0002
%RSD	2.985	13.32	2.113	.5082	2.195	531.9	.3013	3.465	36.72
#1	.0090	.0090	.8890	8.176	.0030	.0000	10.46	.0042	-.0004
#2	.0090	.0069	.9258	8.206	.0029	.0000	10.41	.0040	-.0008
#3	.0095	.0081	.8985	8.124	.0030	.0001	10.40	.0040	-.0008
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.004	0.010	4.658	-0.001	0.5349	0.005	-0.005	-0.003	0.0723
Stddev	.0012	.0006	.013	.0002	.0009	.0001	.0009	.0001	.0001
%RSD	289.7	63.57	.2861	360.8	.1715	10.76	185.3	53.63	1.075
#1	.0018	.0008	4.650	-.0001	.5352	.0005	-.0003	-.0002	.0724
#2	-.0005	.0005	4.651	-.0002	.5357	.0004	-.0014	-.0004	.0722
#3	.0000	.0017	4.674	.0001	.5339	.0005	-.0003	-.0002	.0723
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2679.9	5203.8	4125.1	3718.0					
Stddev	.7	5.1	76.	26.5					
%RSD	.02713	.09734	.18359	.71162					
#1	2680.2	5208.9	4127.2	3697.0					
#2	2679.1	5203.5	4131.3	3709.2					
#3	2680.5	5198.8	41166.	3747.7					

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Sample Name: FA31998-10 Acquired: 3/11/2016 15:44:22 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.000	0.0257	0.005	0.0354	-0.001	39.84	-0.001	0.008	0.008
Stddev	.0003	.0068	.0005	.0003	.0000	.05	.0000	.0001	.0000
%RSD	129.3	26.60	113.3	.8660	46.70	.1314	63.75	7.878	5.785
#1	-.0002	.0234	.0009	.0358	-.0001	39.87	-.0001	.0007	.0008
#2	-.0004	.0202	.0006	.0354	-.0000	39.86	.0000	.0008	.0008
#3	-.0001	.0333	-.0001	.0352	-.0001	39.78	.0000	.0009	.0007
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.003	0.028	1.036	9.627	0.0174	0.008	10.33	0.013	-0.007
Stddev	.0001	.0037	.012	.018	.0001	.0001	.02	.0001	.0005
%RSD	28.18	136.0	1.191	.1860	.4016	8.850	.2361	6.131	78.78
#1	.0004	-.0016	1.050	9.645	.0173	.0009	10.36	.0014	-.0012
#2	.0003	.0048	1.028	9.628	.0175	.0007	10.32	.0013	-.0007
#3	.0002	.0050	1.030	9.609	.0175	.0007	10.32	.0012	-.0001
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.003	-0.009	4.924	0.001	0.6206	0.003	-0.011	0.034	0.0236
Stddev	.0003	.0005	.007	.0001	.0021	.0001	.0004	.0001	.0001
%RSD	79.55	62.10	.1405	195.5	.3459	17.10	34.91	4.161	.2811
#1	.0004	-.0011	4.926	.0001	.6230	.0003	-.0010	.0033	.0236
#2	.0000	-.0003	4.916	-.0001	.6201	.0004	-.0007	.0035	.0236
#3	.0006	-.0013	4.929	.0001	.6188	.0003	-.0014	.0033	.0235
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2647.2	5154.4	4088.5	3705.1					
Stddev	5.3	9.8	48.	4.4					
%RSD	.20018	.19006	.11839	.11821					
#1	2641.1	5143.9	4094.1	3700.9					
#2	2650.3	5163.3	4086.2	3704.7					
#3	2650.2	5156.0	4085.2	3709.7					

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Sample Name: FA32054-6 Acquired: 3/11/2016 15:48:49 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.001	0.0162	-0.001	0.0210	0.000	35.61	-0.001	0.007	0.003
Stddev	.0001	.0050	.0004	.0004	.000	.13	.0000	.0000	.0001
%RSD	78.55	30.79	407.7	1.771	326.4	.3577	24.51	6.642	56.37
#1	.0002	.0219	.0003	.0212	.0000	35.47	-.0001	.0007	.0004
#2	.0002	.0141	-.0005	.0206	.0000	35.64	-.0001	.0007	.0002
#3	.0000	.0126	-.0001	.0213	-.0001	35.72	-.0001	.0008	.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.010	-0.005	8.920	8.682	0.0095	0.009	10.80	0.009	-0.006
Stddev	.0003	.0022	.0449	.012	.0001	.0001	.04	.0002	.0007
%RSD	26.41	481.0	5.033	.1430	1.115	5.542	.3615	23.69	118.2
#1	.0013	-.0027	8.420	8.692	.0095	.0009	10.77	.0011	.0001
#2	.0008	-.0003	9.055	8.668	.0095	.0009	10.78	.0007	-.0006
#3	.0010	.0017	.9287	8.686	.0093	.0010	10.84	.0010	-.0013
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.001	0.015	4.240	0.000	0.5521	0.002	-0.019	0.034	0.188
Stddev	.0012	.0005	.010	.000	.0031	.0000	.0012	.0001	.0001
%RSD	116.1	37.27	.2288	543.3	.5542	9.152	62.86	2.101	.5527
#1	.0009	.0020	4.251	-.0003	.5490	.0002	-.0032	.0034	.0189
#2	-.0013	.0014	4.239	.0001	.5521	.0002	-.0014	.0035	.0187
#3	.0007	.0009	4.232	.0001	.5551	.0002	-.0010	.0033	.0187
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2618.6	5093.4	4033.9	3662.7					
Stddev	2.2	8.7	65.	13.2					
%RSD	.08476	.17012	.16135	.36064					
#1	2616.1	5086.6	4027.2	3663.4					
#2	2620.4	5090.5	4034.2	3675.5					
#3	2619.2	5103.2	4040.2	3649.2					

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Sample Name: FA32106-13 Acquired: 3/11/2016 15:53:17 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.000	0.0629	0.003	0.0362	-0.001	38.94	-0.001	0.008	0.004
Stddev	.000	.0079	.0006	.0000	.0001	.19	.0000	.0002	.0000
%RSD	658.8	12.60	215.3	.0857	81.51	4.885	25.69	21.22	11.81
#1	-.0002	.0589	-.0004	.0363	.0000	38.93	-.0001	.0009	.0003
#2	-.0002	.0579	.0007	.0362	-.0001	38.76	-.0001	.0009	.0004
#3	.0003	.0721	.0005	.0362	-.0002	39.14	-.0001	.0006	.0003

Sample Name: CCV Acquired: 3/11/2016 16:02:14 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2463	39.44	2.006	1.970	2.011	39.67	2.030	2.007	2.032
Stddev	.0002	.12	.005	.005	.007	.09	.005	.007	.002
%RSD	.0677	.2959	.2275	.2509	.3458	.2275	.2295	.3358	.0734
#1	.2464	39.43	2.011	1.973	2.007	39.57	2.035	2.014	2.033
#2	.2461	39.56	2.004	1.974	2.019	39.73	2.025	2.000	2.033
#3	.2464	39.32	2.003	1.965	2.006	39.71	2.030	2.008	2.031

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.971	39.30	38.96	39.49	2.061	2.016	39.52	2.037	1.986
Stddev	.002	.07	.01	.08	.004	.005	.11	.005	.008
%RSD	.1039	.1885	.0348	.1975	.1728	.2684	.2908	.2370	.4252
#1	1.970	39.29	38.97	39.56	2.059	2.018	39.48	2.041	1.990
#2	1.969	39.38	38.95	39.50	2.060	2.009	39.64	2.032	1.976
#3	1.973	39.24	38.95	39.40	2.065	2.019	39.42	2.039	1.991

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.988	1.999	1.941	2.039	2.019	2.052	1.997	2.049	2.021
Stddev	.004	.006	.005	.006	.007	.004	.008	.004	.005
%RSD	.1829	.2867	.2495	.2780	.3662	.2065	.3789	.2022	.2304
#1	1.992	2.005	1.941	2.045	2.020	2.048	2.001	2.045	2.026
#2	1.987	1.994	1.936	2.033	2.026	2.052	1.988	2.048	2.017
#3	1.985	1.998	1.946	2.038	2.011	2.056	2.001	2.053	2.021

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/11/2016 16:02:14 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2399.0	5011.1	3959.7	3696.6
Stddev	13.5	14.6	31.	7.2
%RSD	.56099	.29205	.07874	.19515
#1	2391.5	4998.0	39588.	3701.3
#2	2414.5	5026.9	39570.	3688.3
#3	2390.9	5008.4	39631.	3700.1

7.1
7

Sample Name: CCB Acquired: 3/11/2016 16:06:24 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0044	.0005	.0005	.0002	.0017	.0001	.0001	.0002
Stddev	.0002	.0058	.0004	.0004	.0001	.0021	.0000	.0001	.0000
%RSD	224.7	133.8	82.74	84.60	29.30	123.1	23.92	113.8	30.02
#1	.0004	.0103	.0010	.0009	.0002	.0026	.0001	.0000	.0002
#2	-.0001	-.0014	.0001	.0001	.0003	-.0007	.0001	.0002	.0002
#3	.0000	.0042	.0004	.0004	.0001	.0032	.0001	.0000	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0146	.0184	-.0265	.0002	F .0013	.0521	.0002	-.0002
Stddev	.000	.0025	.0203	.0080	.0000	.0002	.0080	.0001	.0003
%RSD	92.02	17.32	110.5	30.12	15.99	17.92	15.34	50.70	152.2
#1	.0000	.0175	.0415	-.0173	.0002	.0016	.0610	.0003	.0001
#2	.0000	.0126	.0099	-.0302	.0002	.0014	.0455	.0001	-.0003
#3	-.0001	.0138	.0037	-.0319	.0002	.0011	.0497	.0002	-.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0000	.0000	.0000	.0003	.0007	.0002	.0000	.0000
Stddev	.0002	.001	.001	.000	.0001	.0002	.0006	.0001	.000
%RSD	118.9	8326.	6577.	982.9	45.83	27.23	290.1	154.7	146.8
#1	.0003	.0002	.0003	.0000	.0004	.0009	.0007	.0000	.0000
#2	-.0001	.0008	.0003	.0003	.0003	.0005	.0004	.0000	.0000
#3	.0003	-.0011	-.0006	-.0004	.0001	.0006	-.0004	.0001	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/11/2016 16:06:24 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2791.8	5243.0	41349.	3680.5
Stddev	5.3	8.9	126.	27.8
%RSD	.18948	.16964	.30367	.75556
#1	2793.7	5250.1	41474.	3707.6
#2	2796.0	5245.9	41223.	3652.0
#3	2785.9	5233.1	41351.	3681.9

Sample Name: MP30101-MB1 Acquired: 3/11/2016 16:10:57 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0040	-0.0003	.0001	.0000	.0135	.0000	-0.0001	.0006
Stddev	.0003	.0054	.0006	.0002	.0000	.0020	.0000	.0000	.0001
%RSD	536.7	133.8	191.6	131.8	10720.	14.58	27.37	52.15	11.72
#1	.0003	.0094	-0.0007	.0002	.0000	.0155	.0000	-0.0001	.0007
#2	.0002	.0041	-0.0007	.0003	.0001	.0133	.0000	.0000	.0006
#3	-0.0003	-0.0014	.0004	-0.0001	-0.0001	.0116	.0000	-0.0001	.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0180	.0330	-0.0185	.0006	.0005	.0517	.0003	-0.0001
Stddev	.0001	.0013	.0140	.0166	.0000	.0001	.0066	.0001	.0005
%RSD	423.3	7.387	42.36	89.76	1.443	24.20	12.77	47.02	404.7
#1	-0.0001	.0180	.0202	-0.0326	.0006	.0006	.0592	.0005	-0.0007
#2	.0001	.0194	.0309	-0.002	.0006	.0003	.0490	.0002	.0003
#3	.0001	.0167	.0479	-0.0225	.0005	.0004	.0468	.0002	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0013	.0035	.0197	.0001	.0000	-0.0007	.0001	.0014
Stddev	.0004	.0010	.0005	.0003	.0001	.0000	.0003	.0002	.0000
%RSD	54.91	79.78	14.09	1.529	94.51	337.7	45.52	302.7	3.265
#1	.0005	.0001	.0039	.0194	.0001	.0000	-0.0010	.0003	.0014
#2	.0012	.0016	.0036	.0200	.0000	-0.0001	-0.0003	.0000	.0014
#3	.0005	.0021	.0029	.0197	.0001	.0000	-0.0008	-0.0001	.0014

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30101-MB1 Acquired: 3/11/2016 16:10:57 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2818.3	5259.3	42331.	3768.3
Stddev	5.6	4.7	52.	19.9
%RSD	.19930	.08922	.12323	.52847
#1	2824.7	5263.7	42332.	3787.9
#2	2814.8	5260.0	42278.	3748.1
#3	2815.2	5254.4	42382.	3769.1

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0180	.0330	-0.0185	.0006	.0005	.0517	.0003	-0.0001
Stddev	.0001	.0013	.0140	.0166	.0000	.0001	.0066	.0001	.0005
%RSD	423.3	7.387	42.36	89.76	1.443	24.20	12.77	47.02	404.7
#1	-0.0001	.0180	.0202	-0.0326	.0006	.0006	.0592	.0005	-0.0007
#2	.0001	.0194	.0309	-0.002	.0006	.0003	.0490	.0002	.0003
#3	.0001	.0167	.0479	-0.0225	.0005	.0004	.0468	.0002	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0013	.0035	.0197	.0001	.0000	-0.0007	.0001	.0014
Stddev	.0004	.0010	.0005	.0003	.0001	.0000	.0003	.0002	.0000
%RSD	54.91	79.78	14.09	1.529	94.51	337.7	45.52	302.7	3.265
#1	.0005	.0001	.0039	.0194	.0001	.0000	-0.0010	.0003	.0014
#2	.0012	.0016	.0036	.0200	.0000	-0.0001	-0.0003	.0000	.0014
#3	.0005	.0021	.0029	.0197	.0001	.0000	-0.0008	-0.0001	.0014

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30101-B1 Acquired: 3/11/2016 16:15:30 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0494	29.41	2.090	2.110	.0551	27.43	.0543	.5324	2.183
Stddev	.0004	.16	.005	.003	.0002	.06	.0001	.0010	.0008
%RSD	.8017	.5357	.2307	.1631	.3810	.2144	.1565	.1920	.3842
#1	.0497	29.59	2.091	2.114	.0552	27.49	.0542	.5322	2.189
#2	.0489	29.28	2.085	2.110	.0551	27.41	.0543	.5315	2.174
#3	.0494	29.37	2.094	2.107	.0548	27.38	.0544	.5335	2.187

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2692	28.67	26.49	27.47	.5734	.5399	27.05	.5474	.5175
Stddev	.0004	.10	.09	.21	.0022	.0008	.12	.0016	.0012
%RSD	.1412	.3607	.3460	.7547	.3861	.1391	4.308	.2844	.2296
#1	.2694	28.77	26.59	27.66	.5756	.5399	27.18	.5475	.5174
#2	.2688	28.56	26.48	27.25	.5712	.5392	26.96	.5458	.5163
#3	.2694	28.67	26.40	27.50	.5735	.5407	27.02	.5489	.5187

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5218	2.104	.0228	.5729	.5428	.5913	2.068	.5107	.5429
Stddev	.0011	.000	.0004	.0008	.0023	.0013	.001	.0012	.0013
%RSD	.2170	.0190	1.715	.1461	.4162	.2154	.0492	.2333	.2317
#1	.5209	2.104	.0232	.5731	.5453	.5926	2.068	.5120	.5418
#2	.5214	2.105	.0226	.5719	.5409	.5900	2.069	.5104	.5426
#3	.5231	2.105	.0225	.5735	.5423	.5912	2.067	.5097	.5443

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30101-B1 Acquired: 3/11/2016 16:15:30 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2493.3	5065.0	40212.	3716.9
Stddev	5.5	9.9	72.	28.8
%RSD	.22098	.19495	.17897	.77476
#1	2487.2	5056.2	40204.	3686.4
#2	2497.9	5075.7	40288.	3743.7
#3	2494.8	5063.1	40144.	3720.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2692	28.67	26.49	27.47	.5734	.5399	27.05	.5474	.5175
Stddev	.0004	.10	.09	.21	.0022	.0008	.12	.0016	.0012
%RSD	.1412	.3607	.3460	.7547	.3861	.1391	4.308	.2844	.2296
#1	.2694	28.77	26.59	27.66	.5756	.5399	27.18	.5475	.5174
#2	.2688	28.56	26.48	27.25	.5712	.5392	26.96	.5458	.5163
#3	.2694	28.67	26.40	27.50	.5735	.5407	27.02	.5489	.5187

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5218	2.104	.0228	.5729	.5428	.5913	2.068	.5107	.5429
Stddev	.0011	.000	.0004	.0008	.0023	.0013	.001	.0012	.0013
%RSD	.2170	.0190	1.715	.1461	.4162	.2154	.0492	.2333	.2317
#1	.5209	2.104	.0232	.5731	.5453	.5926	2.068	.5120	.5418
#2	.5214	2.105	.0226	.5719	.5409	.5900	2.069	.5104	.5426
#3	.5231	2.105	.0225	.5735	.5423	.5912	2.067	.5097	.5443

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: FA32072-7 Acquired: 3/11/2016 16:19:44 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 11 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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Sample Name: MP30101-SD1 Acquired: 3/11/2016 16:28:55 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 11 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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Sample Name: MP30101-D1 Acquired: 3/11/2016 16:24:19 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 11 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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Sample Name: MP30101-PS1 Acquired: 3/11/2016 16:33:16 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 11 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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7.1

Sample Name: MP30101-S1 Acquired: 3/11/2016 16:37:50 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.443	308.8	1.925	4.527	0.070	208.4	0.064	6.096	6.797
Stddev	.0011	4.0	.004	.058	.0008	2.4	.0004	.0013	.0014
%RSD	2.381	1.311	.1948	1.276	1.431	1.138	.5503	.2078	.2132
#1	.0451	304.1	1.924	4.460	.0560	205.7	.0645	6.106	.6781
#2	.0448	310.9	1.922	4.560	.0575	210.1	.0638	6.082	.6801
#3	.0431	311.3	1.929	4.561	.0574	209.3	.0639	6.101	.6809
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	9.402	432.5	92.65	157.8	8.429	4.291	28.76	8.490	2.309
Stddev	.0009	5.5	1.30	2.0	.023	.0016	.36	.0014	.004
%RSD	.0911	1.279	1.404	1.259	.2721	.3812	1.259	.1662	.1543
#1	.9408	426.2	91.15	155.5	8.403	4.307	28.35	8.491	2.309
#2	.9392	435.3	93.51	159.3	8.436	4.275	28.91	8.475	2.312
#3	.9405	436.2	93.29	158.6	8.447	4.290	29.02	8.504	2.305
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.712	1.783	2.688	4.820	1.527	19.13	1.992	1.210	2.924
Stddev	.0024	.002	.002	.0017	.021	.01	.004	.003	.008
%RSD	3.418	1.203	.0856	.3591	1.404	.0273	.2066	.2721	.2807
#1	.0721	1.781	2.686	4.840	1.503	19.12	1.988	1.207	2.934
#2	.0684	1.785	2.691	4.809	1.535	19.13	1.993	1.210	2.920
#3	.0730	1.782	2.687	4.810	1.544	19.13	1.996	1.214	2.918
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2352.0	5708.2	4518.4	4229.9					
Stddev	2.6	11.8	81.	42.0					
%RSD	.11005	.20624	.17825	.99350					
#1	2354.4	5714.5	4527.2	4277.4					
#2	2352.4	5715.6	45167.	4197.5					
#3	2349.3	5694.6	45114.	4215.0					

Sample Name: MP30101-S2 Acquired: 3/11/2016 16:42:20 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.440	287.1	1.934	4.250	0.052	341.8	0.0635	6.001	6.385
Stddev	.0005	.7	.006	.014	.0002	1.4	.0001	.0011	.0039
%RSD	1.204	.2544	.3064	.3322	.4510	.4146	.1266	.1806	.6142
#1	.0434	286.5	1.932	4.233	.0549	341.3	.0634	5.999	.6342
#2	.0443	287.1	1.941	4.257	.0553	340.7	.0636	6.013	.6394
#3	.0443	287.9	1.929	4.259	.0554	343.4	.0635	5.991	.6419
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	8.432	395.7	89.32	140.0	7.513	4.215	28.01	8.457	2.302
Stddev	.0037	1.2	.40	.9	.016	.0013	.11	.0016	.007
%RSD	.4401	.3102	.4445	.6510	.2143	.3093	.3808	.1865	.3056
#1	.8392	395.4	89.01	140.0	7.504	4.210	27.92	8.446	2.296
#2	.8464	394.6	89.18	139.1	7.503	4.230	27.98	8.475	2.302
#3	.8441	397.0	89.76	141.0	7.531	4.205	28.13	8.451	2.310
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.780	1.805	2.640	4.734	1.446	16.08	1.996	1.125	2.569
Stddev	.0009	.008	.006	.0010	.003	.03	.005	.008	.005
%RSD	1.154	.4596	.2346	.2138	.2021	.1995	.2376	.7345	.1789
#1	.0777	1.806	2.634	4.738	1.442	16.04	1.991	1.116	2.569
#2	.0774	1.812	2.646	4.741	1.447	16.11	1.998	1.131	2.573
#3	.0791	1.796	2.639	4.722	1.448	16.08	2.000	1.128	2.564
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2295.3	5606.5	4580.7	4301.5					
Stddev	7.7	17.1	144.	31.4					
%RSD	.33378	.30511	.31462	.72992					
#1	2304.1	5621.5	4596.1	4306.8					
#2	2290.2	5587.9	4567.5	4329.9					
#3	2291.5	5610.2	4578.7	4267.8					

Sample Name: FA32071-18 Acquired: 3/11/2016 16:46:52 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.007	300.0	0.809	2.778	0.121	91.54	0.152	1.692	5.120
Stddev	.0008	1.0	.0012	.001	.0001	.56	.0003	.0004	.0035
%RSD	108.6	.3471	1.453	.0212	.8334	.6151	2.152	.2216	.6906
#1	-0.012	300.3	.0806	2.778	.0122	91.52	.0149	1.688	5.125
#2	-0.011	300.8	.0798	2.778	.0120	92.11	.0153	1.696	5.083
#3	-0.002	298.8	.0821	2.779	.0121	90.98	.0155	1.692	5.153
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	4.579	423.2	86.88	106.7	7.638	0.270	9.611	4.196	2.350
Stddev	.0027	1.5	.29	.8	.055	.0002	.025	.0010	.0013
%RSD	.5946	.3560	.3346	.7520	.7237	.7392	.2570	.2304	.5633
#1	4.591	423.5	87.13	106.9	7.618	.0268	9.632	4.206	2.358
#2	4.548	424.5	86.96	107.4	7.595	.0272	9.583	4.187	2.357
#3	4.598	421.5	86.56	105.8	7.700	.0271	9.617	4.194	2.334
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.040	-0.048	2.080	0.221	9.023	11.46	-0.035	7.907	1.226
Stddev	.0030	.0011	.006	.0003	.0010	.09	.0033	.0067	.006
%RSD	74.34	22.67	.2968	1.380	.1152	.7453	92.45	8.441	.5045
#1	.0052	-0.037	2.074	.0222	.9014	11.48	-0.013	7.903	1.232
#2	.0063	-0.046	2.078	.0218	.9020	11.36	-0.020	7.842	1.226
#3	.0006	-0.059	2.086	.0223	.9034	11.53	-0.073	7.975	1.220
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2453.3	6415.1	5110.4	4868.8					
Stddev	7.1	10.0	333.	32.8					
%RSD	.29017	.15658	.65226	.67394					
#1	2446.9	6424.4	5115.2	4865.6					
#2	2452.2	6404.5	5141.1	4837.7					
#3	2461.0	6416.3	5074.9	4903.1					

Sample Name: FA32071-19 Acquired: 3/11/2016 16:51:28 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.016	265.0	1.102	5.586	0.099	109.3	0.263	1.474	5.566
Stddev	.0006	.5	.0008	.009	.0002	.3	.0004	.0001	.0020
%RSD	37.68	.2063	.7588	.1572	1.566	2.667	1.449	0.363	3.600
#1	.0015	265.2	.1098	5.578	.0101	109.6	.0261	1.475	5.578
#2	.0022	264.4	.1111	5.584	.0098	109.0	.0262	1.474	5.578
#3	.0010	265.5	.1096	5.596	.0099	109.4	.0268	1.475	5.543
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.774	380.1	78.87	89.82	7.061	0.239	4.805	3.977	3.214

Sample Name: CCV Acquired: 3/11/2016 16:56:01 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2467	39.29	2.045	1.953	2.026	38.74	2.046	2.027	2.017
Stddev	.0004	.19	.001	.006	.008	.16	.005	.003	.007
%RSD	.1550	.4857	.0294	.3238	.4143	.4114	.2478	.1374	.3675
#1	.2469	39.43	2.046	1.960	2.034	38.91	2.048	2.028	2.022
#2	.2463	39.36	2.045	1.953	2.027	38.73	2.041	2.024	2.008
#3	.2470	39.07	2.045	1.947	2.018	38.59	2.050	2.030	2.020

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.995	39.08	38.42	38.73	2.074	2.048	39.72	2.069	1.981
Stddev	.003	.15	.15	.22	.005	.004	.20	.004	.010
%RSD	.1543	.3850	.3874	.5591	.2577	.2176	.5090	.1989	.5136
#1	1.996	39.22	38.45	38.86	2.078	2.047	39.95	2.070	1.992
#2	1.998	39.09	38.55	38.84	2.068	2.044	39.66	2.064	1.972
#3	1.992	38.92	38.25	38.48	2.076	2.052	39.56	2.072	1.980

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.054	2.037	2.006	2.039	2.045	2.085	2.015	2.059	1.989
Stddev	.005	.008	.005	.006	.009	.003	.004	.006	.005
%RSD	.2339	.3924	.2315	.3063	.4277	.1462	.2256	.2881	.2731
#1	2.056	2.032	2.006	2.042	2.055	2.088	2.020	2.063	1.994
#2	2.049	2.032	2.001	2.031	2.042	2.085	2.011	2.052	1.983
#3	2.058	2.046	2.010	2.043	2.039	2.082	2.016	2.061	1.990

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/11/2016 16:56:01 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2401.9	4932.5	4014.0	3784.1
Stddev	2.5	9.7	11.0	5.1
%RSD	.10224	.19639	.27404	.13420
#1	2399.1	4939.2	4001.6	3785.5
#2	2403.3	4936.9	4022.8	3788.3
#3	2403.3	4921.4	4017.4	3778.5

7.1
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Sample Name: CCB Acquired: 3/11/2016 17:00:13 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0030	.0002	.0003	.0001	.0051	.0001	.0001	.0003
Stddev	.0002	.0094	.0004	.0001	.0001	.0029	.0000	.0001	.0001
%RSD	63.20	318.9	177.2	36.75	47.23	57.02	14.91	55.65	30.71
#1	.0006	-.0078	.0000	.0002	.0002	.0075	.0001	.0001	.0005
#2	.0002	.0072	.0007	.0004	.0001	.0019	.0001	.0001	.0003
#3	.0003	.0095	.0000	.0002	.0001	.0060	.0001	.0002	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0213	.0134	-.0127	.0002	F .0013	.0302	.0001	-.0003
Stddev	.0001	.0026	.0136	.0218	.0000	.0003	.0114	.0002	.0006
%RSD	44.00	12.24	101.6	171.3	5.752	20.87	37.79	166.6	234.8
#1	.0003	.0236	.0041	-.0082	.0002	.0016	.0365	.0004	-.0010
#2	.0001	.0218	.0071	-.0365	.0002	.0013	.0171	-.0001	-.0001
#3	.0002	.0185	.0289	.0065	.0002	.0010	.0372	.0002	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0006	-.0005	-.0003	.0003	.0012	-.0003	.0001	.0000
Stddev	.0002	.0019	.0004	.0001	.0001	.0001	.0003	.0001	.0000
%RSD	124.1	310.8	86.37	20.86	26.08	10.59	87.88	170.3	107.5
#1	.0001	-.0012	-.0008	-.0002	.0003	.0012	-.0005	.0002	.0001
#2	.0003	.0006	.0000	-.0003	.0002	.0011	-.0004	.0001	.0000
#3	.0000	.0025	-.0008	-.0003	.0003	.0013	.0000	.0000	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/11/2016 17:00:13 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2853.2	5276.1	4301.9	3937.9
Stddev	2.1	10.2	6.0	20.0
%RSD	.07314	.19277	.01337	.50872
#1	2855.6	5287.8	4301.6	3927.7
#2	2852.3	5271.0	4301.6	3925.1
#3	2851.8	5269.4	4302.6	3961.0

Sample Name: FA32071-20 Acquired: 3/11/2016 17:04:46 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	312.0	0.1070	3.329	0.0119	97.94	0.0203	1.771	5.547
Stddev	0.003	.7	.0024	.008	.0001	.21	.0003	.0008	.0014
%RSD	120.9	.2297	2.205	.2337	.5187	.2118	1.364	.4716	.2487
#1	.0000	312.5	.1062	3.331	.0120	98.18	.0200	1.762	5.562
#2	-0.002	311.2	.1097	3.321	.0119	97.85	.0204	1.776	5.543
#3	-0.006	312.3	.1052	3.336	.0120	97.80	.0205	1.776	5.536
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	6.269	428.6	95.01	103.8	F 8.259	0.282	5.912	4.540	1.155
Stddev	0.040	1.2	.07	.5	.052	.0001	.022	.0013	.010
%RSD	.6429	.2685	.0718	.4705	.6307	.5044	.3720	.2852	.8419
#1	.6265	429.8	95.00	104.3	8.230	.0282	5.903	4.525	1.144
#2	.6230	427.5	94.94	103.5	8.228	.0281	5.895	4.550	1.162
#3	.6311	428.3	95.08	103.5	8.319	.0284	5.937	4.544	1.159
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(ln2306)	(Y_2243)	(Y_2243)
Avg	0.046	-0.042	2.479	0.433	9.936	F 13.21	0.001	8.179	3.065
Stddev	0.016	.0008	.007	.0007	.0041	.05	.0040	.0013	.017
%RSD	34.16	19.94	.2831	1.559	.4352	.3944	46.27	.1589	.5662
#1	.0056	-0.037	2.472	.0428	.9420	13.19	.0047	8.187	3.045
#2	.0028	-0.052	2.486	.0440	.9341	13.18	-0.029	8.187	3.076
#3	.0054	-0.038	2.480	.0430	.9397	13.27	-0.015	8.164	3.074
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2429.6	6334.3	51127.	4920.7					
Stddev	8.7	8.9	167.	13.2					
%RSD	.35783	.14072	.32665	.26827					
#1	2437.3	6341.7	51197.	4907.4					
#2	2420.2	6324.4	51248.	4933.8					
#3	2431.4	6336.8	50936.	4920.8					

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Sample Name: FA32071-21 Acquired: 3/11/2016 17:09:23 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.008	323.0	0.0934	2.993	0.0123	89.99	0.0181	1.889	5.616
Stddev	0.003	1.0	.0017	.004	.0002	.20	.0001	.0002	.0009
%RSD	31.32	.3013	1.867	.1509	1.293	.2207	.6585	.1014	.1665
#1	-0.006	321.9	.0918	2.988	.0125	89.92	.0182	1.890	5.626
#2	-0.011	323.6	.0930	2.996	.0122	89.84	.0182	1.891	5.608
#3	-0.007	323.6	.0953	2.996	.0124	90.22	.0180	1.887	5.615
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	5.463	437.3	97.39	108.4	F 9.026	0.269	6.354	4.684	1.558
Stddev	0.016	1.0	.10	.3	.051	.0005	.063	.0013	.0009
%RSD	.2872	.2286	.0980	.2981	.5674	1.915	.9890	.2877	.1611
#1	.5446	436.3	97.31	108.1	9.029	.0275	6.283	4.689	1.579
#2	.5467	437.5	97.50	108.4	8.974	.0265	6.375	4.694	1.597
#3	.5477	438.3	97.36	108.7	9.076	.0266	6.403	4.669	1.588
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(ln2306)	(Y_2243)	(Y_2243)
Avg	0.042	-0.060	2.332	0.291	9.161	F 12.85	0.010	8.284	2.005
Stddev	0.018	.0030	.003	.0002	.0028	.12	.0020	.0044	.005
%RSD	43.19	49.75	.1206	.8405	.3052	.9593	200.1	5275	.2667
#1	.0025	-0.048	2.331	.0289	.9130	12.90	.0002	8.323	2.011
#2	.0061	-0.094	2.335	.0292	.9172	12.71	.0033	8.237	2.003
#3	.0041	-0.039	2.329	.0294	.9182	12.93	-0.005	8.292	2.001
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2427.2	6348.8	50750.	4816.9					
Stddev	3.2	8.4	298.	17.3					
%RSD	.13003	.13213	.58738	.35953					
#1	2430.7	6352.5	50530.	4836.4					
#2	2426.1	6339.2	51089.	4803.2					
#3	2424.7	6354.7	50630.	4811.2					

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Sample Name: FA32071-22 Acquired: 3/11/2016 17:13:58 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.034	253.9	0.1293	4.914	0.0083	206.6	0.0371	1.385	6.728
Stddev	0.003	.7	.0041	.015	.0001	.4	.0001	.0003	.0021
%RSD	8.723	.2830	3.201	.2971	1.483	.1862	.2583	2.083	3.174
#1	.0031	253.1	.1340	4.899	.0082	206.4	.0372	1.387	6.744
#2	.0036	254.4	.1274	4.928	.0083	207.1	.0371	1.382	6.735
#3	.0036	254.3	.1264	4.915	.0085	206.4	.0370	1.386	6.704
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	1.131	373.0	69.03	87.18	6.521	0.235	6.690	4.746	4.277
Stddev	.001	1.5	.18	.21	.018	.0004	.031	.0009	.003
%RSD	.0978	.4008	.2676	.2362	.2755	1.677	.4681	.1948	.0658
#1	1.132	371.2	68.84	86.96	6.500	.0239	6.654	4.746	4.280
#2	1.130	373.8	69.21	87.24	6.535	.0231	6.702	4.736	4.274
#3	1.130	373.8	69.03	87.36	6.527	.0236	6.713	4.755	4.277
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	0.0126	-0.001	2.836	1.787	1.087	F 10.97	-0.0026	6.125	F 16.90
Stddev	0.0022	.0023	.005	.0007	.005	.04	.0051	.0020	.06
%RSD	17.27	1991.	.1732	.3940	.4809	.3231	194.3	.3195	.3549
#1	.0144	-0.016	2.841	.1793	1.081	10.93	.0030	6.130	16.92
#2	.0102	.0025	2.836	.1789	1.089	10.99	-0.0041	6.141	16.83
#3	.0131	-0.013	2.831	.1780	1.090	10.99	-0.0068	6.103	16.94
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2434.3	5772.3	46671.	4462.9					
Stddev	4.1	9.1	33.	15.2					
%RSD	.16818	.15694	.07053	.33993					
#1	2435.3	5768.3	46707.	4461.3					
#2	2429.8	5765.9	46661.	4448.6					
#3	2437.8	5782.6	46643.	4478.8					

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Sample Name: FA32071-23 Acquired: 3/11/2016 17:18:32 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.051	219.9	0.1068	3.485	0.0082	144.3	0.0277	1.363	6.025
Stddev	0.003	.8	.0003	.008	.0001	.9	.0002	.0001	.0024
%RSD	6.026	.3679	2.773	.2244	.9025	.6543	.8094	.0708	.3930
#1	.0048	219.2	.1071	3.482	.0082	143.4	.0279	1.364	6.051
#2	.0054	220.8	.1068	3.494	.0081	145.3	.0275	1.362	6.004
#3	.0052	219.7	.1065	3.480	.0083	144.1	.0277	1.363	6.020
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	9.283	332.5	61.30	79.36	7.327	0.317	4.269	3.898	3.807
Stddev	.0023	1.0	.22	.53	.056	.0006	.008	.0009	.004
%RSD	.2494	.2863	.3513	.6633	.7646	1.804	.1777	.2420	.1126
#1	.9308	331.7	61.07	78.81	7.376	.0322	4.272	3.909	3.806
#2	9.262	333.6	61.50	79.86	7.266	.0311	4.260	3.893	

Sample Name: FA32072-1 Acquired: 3/11/2016 17:23:08 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	300.5	1.039	4.933	0.013	146.1	0.032	1.728	5.668
Stddev	0.001	.6	0.027	.004	.0001	.4	.0002	.0003	.0158
%RSD	71.60	.2132	2.588	.0755	1.073	.2525	.4876	.1601	2.785
#1	-0.001	299.8	.1067	4.932	.0114	145.8	.0313	1.725	5.850
#2	-0.003	300.5	.1013	4.937	.0112	146.5	.0311	1.727	5.591
#3	-0.001	301.1	.1036	4.930	.0113	146.1	.0311	1.731	5.564
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	7.011	429.1	92.18	126.0	7.567	0.183	5.339	4.568	4.534
Stddev	0.188	1.6	.24	.2	.146	.0003	.011	.0009	.008
%RSD	2.682	.3615	.2587	.1396	1.928	1.691	.2117	.2003	.1712
#1	.7220	427.4	92.02	125.8	7.735	.0180	5.329	4.577	4.543
#2	.6954	429.5	92.46	126.0	7.502	.0183	5.336	4.567	4.528
#3	.6858	430.4	92.07	126.2	7.466	.0186	5.351	4.559	4.531
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.090	-0.068	2.464	0.768	1.191	12.53	-0.008	7.713	6.778
Stddev	0.014	0.019	.004	.0011	.004	.31	.0053	.0211	.028
%RSD	16.15	28.01	.1604	1.413	.3436	2.457	692.9	2.737	4.130
#1	.0085	-0.0080	2.467	.0776	1.187	12.88	-0.0037	7.956	6.806
#2	.0106	-0.0077	2.460	.0755	1.191	12.40	-0.0039	7.605	6.777
#3	.0078	-0.0046	2.464	.0771	1.196	12.30	.0053	7.577	6.750
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2424.2	6136.7	49667.	4583.8					
Stddev	1.5	8.8	1175.	29.4					
%RSD	.06390	.14363	2.3648	.64236					
#1	2422.8	6127.7	48315.	4617.8					
#2	2425.9	6137.2	50256.	4565.4					
#3	2424.1	6145.3	50431.	4568.2					

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Sample Name: FA32072-2 Acquired: 3/11/2016 17:27:43 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.026	275.6	0.981	3.751	0.093	123.3	0.219	1.648	5.676
Stddev	0.004	2.6	0.017	.030	.0002	1.6	.0006	.0010	.0010
%RSD	15.60	.9588	1.758	.8109	1.641	1.280	2.966	.6009	.1696
#1	.0027	272.6	.0997	3.716	.0091	121.5	.0226	1.660	5.685
#2	.0021	277.3	.0963	3.766	.0094	124.4	.0215	1.642	5.666
#3	.0029	276.9	.0985	3.772	.0093	124.1	.0215	1.643	5.679
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	9.521	400.8	79.50	121.5	7.734	0.231	6.139	4.367	3.858
Stddev	0.046	4.1	.91	1.5	.040	.0001	.045	.0009	.024
%RSD	.4782	1.017	1.145	1.243	.5105	.5463	.7413	.2014	.6188
#1	.9557	396.1	78.45	119.8	7.775	.0230	6.087	4.376	3.885
#2	.9470	403.6	80.09	122.5	7.696	.0230	6.174	4.359	3.840
#3	.9536	402.7	79.96	122.3	7.732	.0232	6.155	4.365	3.849
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.069	-0.054	2.794	0.668	1.379	15.78	-0.005	7.316	5.744
Stddev	0.018	0.024	.016	.0008	.009	.06	.0010	.0020	.026
%RSD	26.86	45.02	.5567	1.182	.6846	3.904	200.9	2.677	4.544
#1	.0072	-0.0050	2.811	.0677	1.368	15.81	-0.0014	7.337	5.771
#2	.0085	-0.0032	2.791	.0662	1.385	15.71	-0.0005	7.311	5.719
#3	.0049	-0.0080	2.781	.0665	1.384	15.81	-0.0006	7.299	5.742
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2426.3	5887.3	47488.	4528.0					
Stddev	11.3	26.9	111.	69.2					
%RSD	.46576	.45722	.23309	1.5283					
#1	2414.3	5856.9	47392.	4607.6					
#2	2436.8	5908.1	47609.	4482.3					
#3	2427.8	5897.0	47462.	4494.1					

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Sample Name: FA32072-3 Acquired: 3/11/2016 17:32:19 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	287.1	0.934	2.857	0.089	129.3	0.150	1.889	5.301
Stddev	0.003	.6	0.018	.004	.0000	.5	.0001	.0001	.0034
%RSD	250.6	.1930	1.944	.1264	.2061	4.204	.7729	.0410	.6335
#1	.0002	287.7	.0945	2.853	.0089	129.8	.0149	1.889	5.320
#2	-0.005	286.6	.0944	2.861	.0090	129.4	.0151	1.889	5.321
#3	-0.001	286.9	.0913	2.858	.0089	128.7	.0151	1.888	5.262
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	6.901	419.4	77.74	140.8	8.279	0.109	7.456	4.153	2.217
Stddev	0.011	.9	.17	.8	.048	.0002	.023	.0007	.004
%RSD	.1552	.2128	.2232	.5572	.5741	1.754	.3038	.1615	.1739
#1	.6890	420.4	77.94	141.7	8.316	.0110	7.466	4.155	2.221
#2	.6903	419.2	77.61	140.5	8.295	.0109	7.473	4.159	2.214
#3	.6911	418.7	77.67	140.2	8.226	.0107	7.431	4.146	2.216
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.029	-0.085	2.573	0.453	1.264	19.42	-0.0022	7.764	2.977
Stddev	0.0030	0.043	.004	.0009	.002	.06	.0034	.0014	.004
%RSD	104.1	50.28	.1388	2.089	.1581	2.963	154.9	.1838	1.180
#1	.0062	-0.0039	2.571	.0459	1.265	19.48	.0008	7.772	2.975
#2	.0019	-0.0092	2.572	.0457	1.261	19.42	-0.0060	7.772	2.981
#3	.0005	-0.0124	2.577	.0442	1.265	19.36	-0.0015	7.748	2.975
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2413.0	5775.6	46974.	4516.5					
Stddev	4.3	4.6	164.	28.8					
%RSD	.18008	.07989	.34912	.63708					
#1	2411.6	5778.0	46835.	4484.2					
#2	2417.9	5770.3	46933.	4526.2					
#3	2409.6	5778.6	47155.	4539.3					

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Sample Name: FA32072-4 Acquired: 3/11/2016 17:36:54 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.003	305.3	1.083	3.680	0.100	129.5	0.238	1.944	5.536
Stddev	0.002	.5	0.019	.011	.0002	.2	.0003	.0003	.0017
%RSD	76.62	.1592	1.728	.3056	1.915	.1165	1.228	.1304	.3131
#1	.0000	305.7	1.069	3.691	.0098	129.3	.0240	1.944	5.549
#2	.0005	305.5	1.076	3.668	.0101	129.6	.0234	1.942	5.543
#3	.0005	304.8	1.104	3.680	.0102	129.5	.0239	1.947	5.516
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	7.302	450.9	84.19	149.7	8.695	0.110	5.248	4.473	2.932
Stddev	0.017	.7	.15	.6	.013	.0003	.0		

Sample Name: FA32072-5 Acquired: 3/11/2016 17:41:30 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0004	277.0	.0918	2.964	.0103	103.1	.0257	1.682	5.686
Stddev	.0007	1.2	.0037	.013	.0003	.3	.0002	.0030	.0570
%RSD	174.8	.4388	4.078	.4414	3.267	.3223	.7914	1.770	10.02
#1	.0007	276.4	.0903	2.950	.0107	102.9	.0255	1.648	5.644
#2	.0009	276.3	.0890	2.966	.0101	102.9	.0258	1.701	5.345
#3	-.0004	278.4	.0961	2.976	.0101	103.5	.0258	1.697	5.369
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	6873	395.3	81.24	110.6	8.293	0.181	4.699	4.309	3.663
Stddev	.0618	1.6	.39	.3	6.42	.0003	.022	.0010	.018
%RSD	8.992	.4042	.4817	.2698	7.746	1.487	.4695	.2256	.5018
#1	.7586	394.9	80.89	110.5	9.035	.0180	4.713	4.321	3.659
#2	.6505	393.9	81.19	110.4	7.932	.0184	4.673	4.303	3.683
#3	.6527	397.0	81.66	111.0	7.913	.0179	4.709	4.304	3.647
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0071	-.0047	2.468	.0693	.9701	15.55	-.0038	7.882	3.138
Stddev	.0032	.0028	.005	.0007	.0043	1.26	.0004	.0768	.006
%RSD	45.07	58.62	.2012	.9460	.4388	8.118	10.59	9.750	1.792
#1	.0085	-.0076	2.464	.0693	.9706	17.01	-.0035	8.769	3.135
#2	.0034	-.0021	2.474	.0700	.9656	14.83	-.0043	7.421	3.144
#3	.0093	-.0045	2.467	.0687	.9741	14.82	-.0037	7.456	3.134
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2397.1	5915.4	45429.	4536.5					
Stddev	7.6	5.5	3581.	14.9					
%RSD	.31862	.09322	7.8828	.32918					
#1	2398.5	5915.1	41295.	4525.3					
#2	2388.9	5910.1	47562.	4553.5					
#3	2404.0	5921.1	47431.	4530.7					

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Sample Name: FA32072-6 Acquired: 3/11/2016 17:46:07 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0014	242.8	.1359	3.061	.0084	253.6	.0296	1.527	5.041
Stddev	.0004	.5	.0016	.005	.0001	.7	.0010	.0027	.0019
%RSD	29.94	.2237	1.183	.1651	1.115	.2741	3.232	1.740	.3695
#1	.0011	243.5	.1341	3.065	.0085	254.0	.0292	1.518	5.031
#2	.0018	242.4	.1364	3.062	.0084	252.8	.0288	1.506	5.063
#3	.0011	242.6	.1372	3.055	.0083	254.0	.0306	1.557	5.030
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	8.014	359.5	68.55	114.4	7.067	0.220	11.23	4.490	2.221
Stddev	.0016	1.0	.23	.4	.028	.0005	.01	.0061	.028
%RSD	.1986	.2655	.3285	.3310	.3984	2.060	.0983	1.349	1.266
#1	.8005	360.5	68.79	114.8	7.034	.0215	11.22	4.466	2.205
#2	.8032	358.6	68.35	114.0	7.086	.0221	11.24	4.446	2.204
#3	.8003	359.3	68.50	114.5	7.080	.0224	11.22	4.559	2.253
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0095	-.0005	2.580	.0582	1.621	12.32	.0019	6.636	4.219
Stddev	.0019	.0026	.036	.0016	.005	.04	.0020	.0019	.047
%RSD	19.62	500.9	1.411	2.693	.2817	.3032	106.3	.2924	1.116
#1	.0083	.0023	2.566	.0579	1.626	12.32	.0041	6.649	4.196
#2	.0086	-.0009	2.553	.0567	1.619	12.36	.0016	6.644	4.187
#3	.0117	-.0029	2.622	.0598	1.617	12.28	.0000	6.613	4.273
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2448.1	5961.1	48524.	4687.6					
Stddev	28.5	67.0	150.	24.0					
%RSD	1.1639	1.1236	.30827	.51094					
#1	2460.8	5983.2	48668.	4681.2					
#2	2468.1	6014.3	48369.	4714.1					
#3	2415.5	5885.9	48534.	4667.6					

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Sample Name: CCV Acquired: 3/11/2016 17:50:43 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.447	38.99	2.015	1.943	2.003	38.56	2.021	2.005	1.996
Stddev	.0008	.16	.016	.009	.006	.23	.015	.015	.010
%RSD	.3074	.4172	.8134	.4618	.3217	.6048	.7650	.7669	.4920
#1	.2451	39.16	2.032	1.953	2.011	38.82	2.038	2.023	2.000
#2	.2452	38.84	2.014	1.937	1.999	38.41	2.018	2.001	2.003
#3	.2438	38.95	1.999	1.937	2.000	38.44	2.008	1.993	1.985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.963	38.82	37.96	38.37	2.049	2.023	39.24	2.042	1.960
Stddev	.008	.17	.19	.31	.011	.014	.08	.014	.018
%RSD	.4159	.4478	.4964	.8123	.5545	.7085	.2048	.7055	.9120
#1	1.981	38.98	38.17	38.73	2.054	2.038	39.31	2.057	1.980
#2	1.992	38.64	37.80	38.16	2.057	2.020	39.26	2.039	1.953
#3	1.976	38.84	37.90	38.22	2.036	2.010	39.15	2.029	1.947
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.025	2.009	1.975	2.020	2.026	2.061	1.990	2.037	1.971
Stddev	.015	.016	.015	.017	.007	.011	.018	.011	.014
%RSD	.7604	.7745	.7726	.8481	.3583	.5204	.9123	.5236	.7197
#1	2.042	2.026	1.991	2.039	2.034	2.067	2.010	2.047	1.987
#2	2.018	2.007	1.970	2.016	2.022	2.067	1.987	2.038	1.967
#3	2.014	1.995	1.962	2.006	2.021	2.048	1.974	2.025	1.959
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 3/11/2016 17:50:43 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2432.5	5011.8	40538.	3797.4
Stddev	18.5	26.2	115.	22.4
%RSD	.76156	.52276	.28395	.59026
#1	2411.2	4981.8	40513.	3771.6
#2	2444.9	5023.9	40438.	3808.5
#3	2441.3	5029.8	40664.	3812.2

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Sample Name: CCB Acquired: 3/11/2016 17:54:55 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0074	-0.0002	.0002	.0001	.0068	.0001	.0001	.0002
Stddev	.0001	.0050	.0007	.0004	.0000	.0031	.0000	.0001	.0002
%RSD	98.46	67.02	375.9	175.4	50.25	46.01	15.20	93.60	96.29
#1	.0001	.0124	.0002	-0.001	.0001	.0088	.0001	.0001	.0001
#2	.0002	.0075	.0003	.0007	.0000	.0032	.0001	.0002	.0001
#3	.0000	.0024	-0.0010	.0001	.0001	.0083	.0001	.0000	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0208	-0.174	-0.150	.0003	F .0014	.0241	.0000	-0.0003
Stddev	.0002	.0038	.0328	.0263	.0000	.0002	.0050	.0001	.0000
%RSD	66.41	18.16	188.8	175.5	9.732	16.55	20.81	302.6	10.96
#1	.0006	.0181	.0080	.0072	.0003	.0016	.0294	.0002	-0.0003
#2	.0002	.0252	-0.0544	-0.082	.0003	.0012	.0194	-0.001	-0.0003
#3	.0002	.0193	-0.0057	-0.0440	.0003	.0013	.0235	.0001	-0.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-0.0010			

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0018	-0.0008	.0000	.0003	.0012	-0.0006	.0000	.0002
Stddev	.0008	.0006	.0003	.000	.0000	.0001	.0001	.0002	.0000
%RSD	294.0	33.51	42.15	70.00	14.88	7.337	21.74	469.6	8.693
#1	-0.0004	.0011	-0.0008	.0000	.0003	.0012	-0.0008	.0000	.0002
#2	.0011	.0023	-0.0011	-0.001	.0003	.0013	-0.0005	-0.001	.0002
#3	.0000	.0020	-0.0004	.0000	.0002	.0011	-0.0006	.0002	.0002
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: FA32072-8 Acquired: 3/11/2016 17:59:28 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0016	234.1	.1158	2.752	.0081	160.8	.0391	.1519	.5771
Stddev	.0001	.7	.0014	.010	.0001	.9	.0003	.0000	.0017
%RSD	3.854	.2900	1.210	.3698	1.478	.5532	.7006	.0276	.2883
#1	.0017	234.0	.1144	2.745	.0081	161.0	.0389	.1518	.5756
#2	.0016	233.5	.1158	2.747	.0083	159.9	.0394	.1519	.5789
#3	.0016	234.9	.1172	2.763	.0080	161.6	.0391	.1518	.5769

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.9442	355.7	112.9	104.1	6.397	.0230	5.136	4.620	3.168
Stddev	.0019	.9	.3	.7	.010	.0004	.021	.0016	.006
%RSD	.2063	.2409	.3080	.6690	.1540	1.655	.4037	.3561	.1997
#1	.9456	355.7	112.9	104.1	6.390	.0234	5.128	4.615	3.166
#2	.9420	354.8	112.5	103.5	6.408	.0230	5.121	4.639	3.163
#3	.9451	356.6	113.2	104.9	6.394	.0226	5.160	4.607	3.175

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0086	-0.0003	2.599	.1136	1.050	F 12.56	-0.0023	6.201	5.092
Stddev	.0028	.0033	.003	.0010	.001	.06	.0029	.0005	.009
%RSD	32.67	1328.	.1271	.8512	.1266	4.484	123.2	.0862	.1765
#1	.0099	.0020	2.597	.1145	1.051	12.50	-0.0055	6.198	5.098
#2	.0054	.0013	2.602	.1126	1.049	12.56	-0.0015	6.207	5.082
#3	.0106	-.0041	2.596	.1137	1.052	12.62	.0000	6.198	5.097

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2435.8	5750.5	46322.	4383.6
Stddev	8.1	15.7	86.	29.0
%RSD	.33113	.27342	.18619	.66168
#1	2444.8	5768.4	46418.	4390.2
#2	2433.3	5738.6	46300.	4408.7
#3	2429.3	5744.6	46250.	4351.8

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Sample Name: CCB Acquired: 3/11/2016 17:54:55 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2821.0	5202.5	42254.	3799.9
Stddev	5.6	15.8	117.	24.9
%RSD	.19823	.30437	.27792	.65652
#1	2820.5	5189.4	42184.	3810.0
#2	2815.7	5198.1	42389.	3818.3
#3	2826.9	5220.1	42188.	3771.5

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Sample Name: FA32072-9 Acquired: 3/11/2016 18:04:05 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0019	280.3	.1189	4.658	.0093	122.8	.0380	.1750	.6832
Stddev	.0004	1.2	.0014	.023	.0002	.7	.0003	.0004	.0025
%RSD	24.06	.4450	1.168	.4902	1.663	.5696	.8829	.2188	.3730
#1	.0024	280.0	.1195	4.658	.0093	122.4	.0383	.1755	.6859
#2	.0017	281.6	.1173	4.682	.0096	123.6	.0376	.1747	.6809
#3	.0016	279.2	.1199	4.636	.0094	122.4	.0381	.1749	.6826

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	1.090	415.5	77.58	117.4	7.641	.0254	2.800	4.739	6.066
Stddev	.001	2.1	.54	1.0	.012	.0005	.011	.0010	.006
%RSD	.1024	.5016	.6905	.8212	.1512	1.869	.3828	.2077	.1042
#1	1.089	414.6	77.50	117.0	7.646	.0257	2.794	4.750	6.059
#2	1.090	417.9	78.16	118.5	7.628	.0257	2.812	4.737	6.068
#3	1.092	414.1	77.10	116.6	7.649	.0249	2.793	4.730	6.071

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0094	-0.0057	2.324	.1119	.8737	F 14.61	-0.0018	.7617	6.592
Stddev	.0023	.0010	.004	.0009	.0039	.04	.0003	.0024	.013
%RSD	24.06	17.34	.1778	.8234	.4429	2.737	15.11	.3182	.1927
#1	.0119	-.0068	2.328	.1126	.8747	14.64	-0.0019	.7642	6.577
#2	.0079	-.0050	2.323	.1123	.8769	14.56	-0.0020	.7594	6.602
#3	.0082	-.0051	2.320	.1109	.8694	14.63	-0.0015	.7616	6.596

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2432.4	6012.8	48566.	4636.6
Stddev	4.7	5.7	124.	41.7
%RSD	.19301	.09518	.25624	.89890
#1	2433.6	6006.8	48550.	4661.1
#2	2436.3	6018.2	48698.	4588.4
#3	2427.2	6013.2	48450.	4660.1

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Sample Name: FA32072-10 Acquired: 3/11/2016 18:08:40 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.044	253.5	1.423	3.310	0.093	106.6	0.040	1.957	7.400
Stddev	.0006	.4	.0010	.002	.0002	.2	.0004	.0002	.0010
%RSD	13.06	.1760	.7109	.0655	2.128	.1950	.8783	.0901	.1313
#1	.0038	254.0	.1411	3.311	.0091	106.8	.0402	1.956	7.392
#2	.0044	253.1	.1429	3.312	.0094	106.5	.0402	1.955	7.411
#3	.0050	253.2	.1429	3.308	.0094	106.4	.0408	1.959	7.398
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	1.067	384.1	68.87	90.01	F 10.53	0.271	2.394	4.824	4.569
Stddev	.004	1.4	.23	.37	.06	.0002	.007	.0011	.009
%RSD	.3596	.3556	.3356	.4121	.5942	.8866	.3038	.2222	.1918
#1	1.063	385.7	69.08	90.44	10.47	.0272	2.402	4.812	4.569
#2	1.068	383.2	68.62	89.82	10.59	.0272	2.388	4.830	4.577
#3	1.071	383.6	68.92	89.78	10.52	.0268	2.392	4.831	4.560
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	0.066	-0.033	2.298	1.308	.8938	F 12.25	0.016	7.719	6.491
Stddev	.0012	.0049	.003	.0003	.0024	.07	.0020	.0020	.005
%RSD	18.08	150.3	.1194	.2378	.2680	.5418	128.3	2.763	.0837
#1	.0079	-0.010	2.298	1.305	.8964	12.20	.0036	7.199	6.487
#2	.0064	.0001	2.295	1.307	.8918	12.33	-.0004	7.178	6.497
#3	.0056	-.0089	2.300	1.311	.8932	12.23	.0015	7.159	6.487
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2456.7	6062.1	4828.8	4536.9					
Stddev	2.0	5.3	75	28.3					
%RSD	.08141	.08667	.15509	.62467					
#1	2454.5	6064.6	48347.	4504.2					
#2	2457.1	6065.7	48204.	4554.1					
#3	2458.5	6056.1	48313.	4552.4					

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7.1
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Sample Name: FA32072-11 Acquired: 3/11/2016 18:13:16 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.010	259.9	1.024	3.887	0.097	148.7	0.074	1.613	5.309
Stddev	.0002	2.3	.0005	.022	.0001	1.3	.0007	.0013	.0019
%RSD	21.73	.8723	.4905	.5557	.9615	.8430	1.974	.8292	.3664
#1	.0009	259.6	.1018	3.882	.0097	148.7	.0374	1.617	5.289
#2	.0013	257.8	.1026	3.869	.0098	147.5	.0381	1.624	5.308
#3	.0009	262.3	.1027	3.911	.0096	150.0	.0366	1.598	5.328
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	7.062	382.7	80.82	103.0	7.475	0.184	3.918	4.046	2.779
Stddev	.0024	3.4	.60	1.0	.026	.0003	.046	.0030	.020
%RSD	.3364	.8757	.7370	.9718	.3461	1.698	1.169	.7324	.7031
#1	.7052	382.6	80.65	102.7	7.455	.0187	3.898	4.041	2.778
#2	.7089	379.4	80.33	102.1	7.465	.0181	3.886	4.078	2.799
#3	.7045	386.1	81.48	104.1	7.504	.0183	3.971	4.019	2.760
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	0.102	-0.076	2.372	1.050	1.083	F 11.95	-0.025	7.040	F 8.054
Stddev	.0028	.0023	.013	.0018	.008	.06	.0012	.0031	.057
%RSD	27.06	30.68	.5637	1.711	.7360	5.377	47.06	4.408	.7050
#1	.0120	-.0067	2.375	1.061	1.084	11.88	-.0014	7.007	8.047
#2	.0117	-.0058	2.383	1.060	1.074	11.97	-.0023	7.069	8.113
#3	.0070	-.0102	2.357	1.030	1.090	12.00	-.0037	7.045	8.000
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2420.6	6007.7	4827.1	4537.7					
Stddev	11.5	32.8	66	50.9					
%RSD	.47626	.54531	.13747	1.1218					
#1	2422.3	6005.8	48347.	4549.6					
#2	2408.3	5976.0	48238.	4581.6					
#3	2431.1	6041.4	48227.	4481.9					

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Sample Name: FA32072-12 Acquired: 3/11/2016 18:17:51 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.000	295.8	4.261	4.066	0.113	136.9	0.263	1.640	6.182
Stddev	.0004	1.0	.0037	.016	.0001	.5	.0005	.0002	.0020
%RSD	471.7	.3438	.8596	.3932	.6017	.3929	1.943	1.301	.3228
#1	.0001	294.8	4.291	4.058	.0114	136.4	.0269	1.641	6.161
#2	.0004	295.7	4.270	4.056	.0112	136.7	.0260	1.640	6.184
#3	-.0004	296.8	4.220	4.085	.0113	137.5	.0260	1.637	6.201
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	7.767	424.4	96.88	102.4	7.402	0.250	3.349	4.480	1.761
Stddev	.0027	1.5	.33	.3	.026	.0002	.028	.0005	.006
%RSD	.3510	.3591	.3361	.2916	.3511	.8173	.8209	1.182	.3623
#1	.7736	422.8	96.55	102.0	7.384	.0249	3.323	4.486	1.757
#2	.7787	424.6	96.90	102.5	7.431	.0252	3.345	4.478	1.769
#3	.7777	425.8	97.20	102.5	7.390	.0248	3.378	4.476	1.759
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	0.104	-0.097	2.174	1.026	.9551	F 11.50	-0.032	8.022	4.212
Stddev	.0028	.0065	.004	.0014	.0047	.02	.0005	.0014	.007
%RSD	26.90	66.89	.1601	1.343	.4891	2.135	14.78	1.704	.1770
#1	.0122	-.0062	2.177	1.024	.9506	11.48	-.0036	8.036	4.204
#2	.0118	-.0057	2.176	1.014	.9547	11.53	-.0034	8.008	4.213
#3	.0072	-.0171	2.170	1.041	.9599	11.49	-.0027	8.021	4.219
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2428.6	6238.2	4978.1	4697.6					
Stddev	1.3	15.2	115	7.3					
%RSD	.05272	.24444	.23127	.15531					
#1	2428.5	6224.3	49913.	4704.0					
#2	2427.4	6236.0	49709.	4699.2					
#3	2430.0	6254.5	49719.	4689.7					

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Sample Name: FA32072-13 Acquired: 3/11/2016 18:22:26 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.044	202.2	0.854	3.263	0.066	206.1	0.089	1.320	5.926
Stddev	.0005	.1	.0017	.002	.0001	.4	.0001	.0002	.0042
%RSD	10.98	.0417	2.042	.0731	1.930	.1832	.3790	.1326	.7013
#1	.0048	202.3	.0875	3.263	.0065	206.5	.0387	1.321	5.904
#2	.0039	202.1	.0843	3.266	.0067	205.9	.0389	1.318	5.974
#3	.0045	202.2	.0845	3.261	.0065	205.9	.0390	1.322	5.901
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	8.324	310.7	64.86	96.34	6.439	0.240	4.911	4.220	4.642
Stddev	.0019	.1	.05	.15	.044	.0005	.009	.0003	.005
%RSD	.2275	.0216	.0761	.1548	.6835	2.159	1.768	.0642	.1136
#1	.8326</								

Sample Name: FA32072-14 Acquired: 3/11/2016 18:27:02 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0029	257.7	.0944	4.361	.0091	172.7	.0313	1.532	.5651
Stddev	.0006	.1	.0020	.008	.0001	.4	.0001	.0004	.0016
%RSD	21.35	.0441	2.137	.1877	1.286	.2398	.3984	.2817	.2793
#1	.0032	257.8	.0966	4.352	.0090	172.5	.0312	1.536	.5635
#2	.0032	257.7	.0926	4.362	.0092	172.4	.0313	1.527	.5667
#3	.0022	257.6	.0939	4.368	.0092	173.2	.0315	1.533	.5652

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.9816	372.2	70.20	100.1	7.679	.0223	4.755	4.279	3.835
Stddev	.0058	.8	.08	.1	.005	.0004	.017	.0008	.004
%RSD	.5863	.2033	.1144	.1180	.0681	1.692	.3519	.1938	.1038
#1	.9762	372.9	70.11	100.00	7.674	.0219	4.748	4.270	3.831
#2	.9809	372.4	70.22	100.0	7.679	.0226	4.775	4.283	3.834
#3	.9876	371.4	70.27	100.2	7.684	.0223	4.744	4.285	3.839

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0100	-.0036	2.806	1.296	1.359	12.25	-.0003	6.793	6.601
Stddev	.0022	.0016	.008	.0002	.006	.03	.0022	.0016	.006
%RSD	22.21	44.59	.2730	.1555	.4208	.2391	848.6	.2318	.0906
#1	.0101	-.0051	2.799	1.297	1.362	12.26	.0000	6.779	6.605
#2	.0123	-.0019	2.805	1.293	1.362	12.27	-.0026	6.791	6.594
#3	.0078	-.0039	2.814	1.296	1.353	12.22	.0018	6.810	6.604

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2434.1	5924.2	4753.8	4481.5
Stddev	2.5	7.4	57.	11.1
%RSD	.10143	.12460	.11964	.24773
#1	2435.1	5928.7	4760.3	4475.2
#2	2436.0	5928.3	4750.9	4494.3
#3	2431.3	5915.7	4750.1	4474.9

Sample Name: MP30098-MB1 Acquired: 3/11/2016 18:31:39 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2873.4	5296.8	43659.	3942.7
Stddev	7.0	5.1	54.	33.0
%RSD	.24394	.09671	.12342	.83604
#1	2876.0	5300.5	43617.	3907.0
#2	2865.4	5290.9	43641.	3972.0
#3	2878.7	5298.9	43720.	3949.2

Sample Name: MP30098-MB1 Acquired: 3/11/2016 18:31:39 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0110	-.0011	.0005	.0000	.0167	.0000	-.0001	.0006
Stddev	.0002	.0024	.0007	.0002	.000	.0020	.000	.0001	.0002
%RSD	190.6	22.22	59.13	32.24	55.40	12.20	14.06	78.44	27.97
#1	-.0001	.0133	-.0004	.0006	.0000	.0172	.0000	.0000	.0007
#2	.0003	.0112	-.0016	.0006	.0000	.0145	-.0001	-.0002	.0007
#3	.0001	.0084	-.0014	.0003	.0000	.0184	.0000	-.0001	.0004

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0437	.0324	-.0112	.0005	.0000	.0268	.0003	.0001
Stddev	.0000	.0038	.0250	.0125	.0000	.0001	.0028	.0000	.0002
%RSD	8.569	8.796	77.23	111.2	9.716	673.3	10.47	5.884	181.3
#1	.0003	.0481	.0181	-.0215	.0005	.0002	.0300	.0003	.0004
#2	.0003	.0407	.0612	-.0150	.0004	.0000	.0261	.0003	.0001
#3	.0004	.0425	.0178	.0027	.0004	-.0001	.0245	.0003	-.0001

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	.0012	.0041	.0196	.0001	.0026	-.0009	.0001	.0011
Stddev	.0001	.0007	.0005	.0001	.0001	.0002	.0003	.0001	.0000
%RSD	31.54	59.08	13.00	.3453	35.06	8.163	39.37	60.42	1.115
#1	-.0004	.0004	.0041	.0196	.0001	.0028	-.0006	.0002	.0011
#2	-.0004	.0014	.0046	.0196	.0002	.0027	-.0008	.0002	.0011
#3	-.0002	.0019	.0035	.0195	.0001	.0024	-.0013	.0000	.0011

Sample Name: MP30098-B1 Acquired: 3/11/2016 18:36:13 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0494	28.83	2.072	2.094	.0546	26.75	.0539	.5295	2.154
Stddev	.0003	.14	.007	.009	.0001	.12	.0002	.0015	.0007
%RSD	.6462	.4836	.3162	.4407	.0930	.4666	.3495	.2831	.3205
#1	.0492	28.84	2.065	2.093	.0546	26.70	.0537	.5279	2.150
#2	.0498	28.97	2.076	2.103	.0547	26.90	.0540	.5296	2.151
#3	.0492	28.69	2.075	2.085	.0546	26.66	.0540	.5309	2.162

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2695	27.81	25.92	26.88	.5585	.5414	26.68	.5448	.5057
Stddev	.0007	.07	.06	.13	.0030	.0013	.14	.0016	.0013
%RSD	.2669	.2381	.2375	.4831	.5382	.2344	.5385	.2920	.2592
#1	.2688	27.75	25.98	26.73	.5580	.5400	26.70	.5430	.5053
#2	.2694	27.88	25.91	26.98	.5558	.5418	26.81	.5456	.5046
#3	.2703	27.79	25.86	26.92	.5617	.5425	26.52	.5459	.5071

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5227	2.076	.0201	.5652	.5413	.5614	2.041	.5063	.5268
Stddev	.0024	.005	.0006	.0004	.0025	.0021	.006	.0021	.0014
%RSD	.4577	.2547	3.205	.0704	.4677	.3682	.3123	.4183	.2632
#1	.5201	2.070	.0194	.5655	.5412	.5608	2.034	.5050	.5267
#2	.5233	2.080	.0206	.5648	.5439	.5597	2.046	.5052	.5254
#3	.5248	2.077	.0204	.5654	.5388	.5637	2.044	.5088	.5282

Sample Name: MP30098-B1 Acquired: 3/11/2016 18:36:13 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2535.7	5076.4	4088.3	3715.2
Stddev	2.5	7.6	231.	5.2
%RSD	.09978	.15025	.56449	.13919
#1	2537.1	5085.0	4098.0	3710.2
#2	2537.2	5074.0	4105.0	3714.7
#3	2532.8	5070.3	4062.0	3720.5

Sample Name: FA32075-11 Acquired: 3/11/2016 18:40:28 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	.0003	205.6	.0769	2.632	.0083	146.1	.0281	.1517	.6162
Stddev	.0001	.7	.0030	.009	.0001	.5	.0003	.0004	.0020
%RSD	47.33	.3470	3.884	.3246	1.625	.3356	1.195	.2421	.3294
#1	.0002	204.8	.0752	2.622	.0084	145.8	.0278	.1515	.6146
#2	.0002	205.9	.0803	2.636	.0082	145.9	.0285	.1522	.6156
#3	.0004	206.1	.0751	2.638	.0084	146.7	.0280	.1516	.6185
Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_3710)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.6230	309.9	61.14	75.64	6.634	.0225	2.493	4.348	2.261
Stddev	.0012	1.4	.14	.27	.026	.0002	.025	.0007	.002
%RSD	.1874	.4361	.2297	.3535	.3899	.8038	1.011	.1722	.0836
#1	.6233	308.6	61.01	75.34	6.605	.0226	2.467	4.340	2.260
#2	.6217	309.9	61.11	75.72	6.640	.0225	2.495	4.354	2.261
#3	.6240	311.3	61.29	75.86	6.656	.0223	2.517	4.351	2.264
Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.0057	.0013	3.022	.0551	.7520	11.11	-0.031	5.776	5.297
Stddev	.0013	.0027	.006	.0007	.0039	.04	.0013	.0016	.003
%RSD	23.70	203.2	.2161	1.271	.5177	.3487	42.90	.2786	.0541
#1	.0060	.0030	3.016	.0558	.7475	11.06	-.0025	5.759	5.294
#2	.0042	.0028	3.022	.0549	.7539	11.12	-.0022	5.777	5.296
#3	.0068	-.0018	3.029	.0545	.7545	11.13	-.0046	5.791	5.300
Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S					
Avg	2457.6	5839.6	4687.9	4315.4					
Stddev	4.8	6.4	178.	25.6					
%RSD	.19604	.10971	.38013	.59311					
#1	2458.1	5846.9	47055.	4333.3					
#2	2462.2	5836.7	46883.	4326.7					
#3	2452.6	5835.2	46699.	4286.0					

7.1
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Sample Name: CCV Acquired: 3/11/2016 18:45:05 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.2497	39.60	2.032	1.982	2.024	39.31	2.047	2.035	2.016
Stddev	.0013	.15	.004	.007	.006	.15	.001	.001	.012
%RSD	.5128	.3837	.1719	.3588	.3128	.3763	.0513	.0688	.5978
#1	.2486	39.42	2.028	1.975	2.017	39.14	2.047	2.034	2.009
#2	.2493	39.67	2.035	1.982	2.027	39.39	2.046	2.035	2.010
#3	.2511	39.70	2.033	1.989	2.029	39.41	2.048	2.037	2.030

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	2.008	39.22	38.57	39.01	2.039	2.047	39.69	2.063	2.003
Stddev	.001	.07	.11	.13	.009	.001	.07	.003	.005
%RSD	.0369	.1888	.2814	.3395	.4202	.0252	.1650	.1224	.2573
#1	2.008	39.22	38.44	38.86	2.029	2.047	39.63	2.061	2.008
#2	2.008	39.22	38.61	39.07	2.046	2.047	39.67	2.063	1.998
#3	2.009	39.35	38.64	39.10	2.041	2.048	39.76	2.066	2.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	2.036	2.030	1.988	2.054	2.047	2.066	2.024	2.057	2.005
Stddev	.002	.003	.003	.001	.003	.009	.003	.009	.002
%RSD	.1125	.1622	.1715	.0611	.1662	.4374	.1570	.4293	.1031
#1	2.036	2.033	1.984	2.054	2.044	2.062	2.026	2.053	2.007
#2	2.035	2.027	1.991	2.053	2.047	2.061	2.020	2.050	2.003
#3	2.039	2.028	1.990	2.055	2.051	2.077	2.025	2.067	2.005

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/11/2016 18:45:05 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2400.5	4994.6	40399.	3741.2
Stddev	4.0	15.3	196.	14.9
%RSD	.16531	.30587	.48576	.39766
#1	2403.5	5010.8	40520.	3757.9
#2	2402.1	4992.5	40504.	3736.3
#3	2396.0	4980.4	40173.	3729.4

Sample Name: CCB Acquired: 3/11/2016 18:49:23 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0052	.0000	.0005	.0002	.0067	.0001	.0001	.0003
Stddev	.000	.0038	.0004	.0002	.0001	.0039	.0001	.0001	.0000
%RSD	733.0	73.56	36200.	46.15	27.08	58.23	48.99	54.10	19.23
#1	.0000	.0008	-.0002	.0002	.0002	.0111	.0002	.0002	.0003
#2	-.0002	.0075	.0005	.0007	.0003	.0049	.0001	.0001	.0003
#3	.0001	.0074	-.0003	.0006	.0002	.0040	.0001	.0001	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0157	.0004	.0043	.0003	F -.0012	.0228	.0002	-.0001
Stddev	.0001	.0007	.0264	.0215	.0000	.0003	.0030	.0001	.0001
%RSD	12.00	4.631	6226.	501.8	14.37	25.17	13.08	28.86	213.5
#1	.0004	.0165	-.0023	.0030	.0003	.0016	.0196	.0002	-.0001
#2	.0004	.0154	-.0245	-.0166	.0002	.0012	.0233	.0002	.0001
#3	.0005	.0151	.0280	.0264	.0003	.0009	.0254	.0003	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-.0010			

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0000	-.0007	.0000	.0002	.0008	.0008	.0002	.0003
Stddev	.0005	.001	.0001	.0002	.0001	.0001	.0006	.0002	.0001
%RSD	176.0	454.7	12.84	1734.	25.81	7.009	74.25	89.53	19.36
#1	.0006	-.0006	-.0006	.0002	.0003	.0009	.0012	.0004	.0003
#2	-.0004	.0002	-.0007	-.0003	.0003	.0008	.0001	.0003	.0004
#3	-.0001	.0003	-.0008	.0001	.0002	.0008	.0010	.0000	.0002
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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7.1
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Sample Name: CCB Acquired: 3/11/2016 18:49:23 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2832.7	5280.1	42925.	3859.2
Stddev	6.2	11.3	126.	7.0
%RSD	.22026	.21321	.29273	.18231
#1	2834.7	5279.0	43032.	3866.2
#2	2825.7	5269.4	42957.	3852.2
#3	2837.7	5291.8	42787.	3859.1

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Sample Name: MP30098-D1 Acquired: 3/11/2016 18:53:56 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0001	187.5	.0705	2.420	.0076	166.0	.0237	.1199	.4999
Stddev	.0004	.3	.0014	.006	.0000	.2	.0001	.0002	.0009
%RSD	255.2	1.752	2.028	2.672	.2152	.1173	.5972	1.944	1.845
#1	.0005	187.8	.0702	2.427	.0076	166.1	.0236	.1199	.5008
#2	-.0002	187.6	.0720	2.417	.0075	166.1	.0236	.1202	.4989
#3	.0001	187.1	.0692	2.415	.0076	165.8	.0239	.1197	.4999

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5383	273.6	54.15	67.14	6.427	.0179	2.416	3.839	1.789
Stddev	.0014	.5	.14	.24	.046	.0002	.014	.0012	.007
%RSD	.2624	1.889	.2514	.3607	.7197	.8679	.5971	.3085	.4143
#1	.5393	274.1	54.22	67.13	6.466	.0177	2.431	3.839	1.797
#2	.5367	273.7	54.24	67.39	6.376	.0179	2.415	3.851	1.783
#3	.5390	273.1	53.99	66.90	6.438	.0179	2.402	3.828	1.787

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0045	.0000	2.496	.0492	.7060	F 9.617	-.0012	5.050	5.193
Stddev	.0010	.002	.003	.0005	.0019	.043	.0010	.0019	.004
%RSD	22.78	20260.	.1174	1.035	.2752	4.449	83.36	3.807	.0822
#1	.0033	-.0021	2.496	.0486	.7081	9.612	-.0014	5.065	5.197
#2	.0051	.0019	2.494	.0494	.7055	9.577	-.0021	5.028	5.188
#3	.0052	.0002	2.499	.0496	.7043	9.662	-.0001	5.057	5.193

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2463.7	5876.3	46847.	4310.9
Stddev	3.7	20.8	91.	22.3
%RSD	.14931	.35337	.19380	.51834
#1	2466.1	5899.7	46768.	4309.4
#2	2465.6	5869.3	46946.	4289.4
#3	2459.5	5860.0	46826.	4334.0

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Sample Name: MP30098-SD1 Acquired: 3/11/2016 18:58:35 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0025	248.0	.0880	3.105	.0099	173.8	.0321	.1854	.7530
Stddev	.0004	.7	.0019	.010	.0004	.5	.0001	.0017	.0092
%RSD	14.23	.2944	2.134	.3192	3.840	.3116	.3563	.9432	1.221
#1	.0023	247.7	.0858	3.093	.0101	173.2	.0322	.1834	.7578
#2	.0023	248.8	.0891	3.110	.0100	174.2	.0320	.1862	.7424
#3	.0029	247.4	.0890	3.111	.0094	174.0	.0320	.1866	.7588

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7262	378.2	72.76	90.03	8.215	.0264	3.473	5.298	2.381
Stddev	.0019	.6	.32	.16	.037	.0009	.011	.0022	.019
%RSD	.2613	.1540	.4434	.1767	.4556	3.295	.3289	.4165	.7853
#1	.7248	378.3	72.39	89.93	8.220	.0263	3.464	.5322	2.368
#2	.7284	378.7	72.91	90.21	8.175	.0256	3.471	.5278	2.402
#3	.7255	377.6	72.99	89.94	8.250	.0273	3.486	.5294	2.371

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0134	-.0106	32.46	.0668	.8895	15.03	.0037	.6959	6.575
Stddev	.0049	.0030	.51	.0021	.0025	.12	.0026	.0019	.014
%RSD	36.58	28.87	1.576	3.206	.2839	.7657	71.54	.2682	.2136
#1	.0078	-.0072	33.03	.0673	.8891	14.94	.0014	.6968	6.566
#2	.0167	-.0115	32.30	.0645	.8922	15.00	.0030	.6972	6.591
#3	.0156	-.0130	32.05	.0687	.8872	15.16	.0066	.6938	6.568

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2641.0	5345.1	42738.	3871.6
Stddev	6.1	10.1	74.	5.8
%RSD	.23258	.18804	.17377	.14994
#1	2642.3	5335.1	42673.	3878.0
#2	2646.4	5355.2	42819.	3866.6
#3	2634.3	5345.1	42723.	3870.3

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Sample Name: MP30098-PS1 Acquired: 3/11/2016 19:02:56 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0432	204.9	.1685	2.856	.0534	148.9	.0719	.1932	.6451
Stddev	.0002	.5	.0032	.005	.0002	.4	.0001	.0002	.0023
%RSD	.4011	.2439	1.913	.1822	.3712	.2726	.0792	.1097	.3605
#1	.0434	205.2	.1666	2.860	.0534	149.1	.0719	.1930	.6462
#2	.0431	205.1	.1667	2.858	.0536	149.1	.0719	.1932	.6424
#3	.0432	204.3	.1722	2.850	.0532	148.4	.0720	.1935	.6466
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7066	306.8	69.36	78.73	6.484	1.064	11.42	5.155	2.275
Stddev	.0029	.1	.19	.41	.039	.0002	.02	.0009	.007
%RSD	.4072	.0379	.2803	.5222	.6035	.1447	.1714	.1814	.3284
#1	.7034	306.9	69.56	78.98	6.448	1.064	11.45	5.145	2.267
#2	.7075	306.8	69.33	78.94	6.479	1.063	11.41	5.162	2.282
#3	.7090	306.6	69.18	78.25	6.525	1.066	11.41	5.158	2.275
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0974	.0868	2.990	.0949	.7825	10.90	.0925	.6085	5.435
Stddev	.0008	.0014	.003	.0001	.0011	.02	.0041	.0012	.012
%RSD	.8596	1.611	.0882	.1145	.1432	.1875	4.398	1.987	2.142
#1	.0973	.0859	2.992	.0947	.7825	10.93	.0962	.6072	5.422
#2	.0983	.0861	2.987	.0950	.7814	10.89	.0932	.6087	5.445
#3	.0967	.0884	2.990	.0949	.7836	10.89	.0881	.6096	5.437
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2434.9	5807.6	4683.4	4340.1					
Stddev	3.2	4.5	143.	13.3					
%RSD	.13095	.07697	.30524	.30569					
#1	2438.5	5810.4	46944.	4328.0					
#2	2432.5	5809.9	46887.	4337.9					
#3	2433.8	5802.5	46673.	4354.3					

Sample Name: MP30098-S1 Acquired: 3/11/2016 19:07:32 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0385	294.7	1.665	4.911	.0522	176.1	.0732	.5495	.8364
Stddev	.0004	.4	.008	.022	.0001	.3	.0001	.0008	.0015
%RSD	.9514	.1321	.4605	.4522	.2557	.1983	.1329	.1526	.1768
#1	.0388	294.2	1.662	4.885	.0521	176.1	.0731	.5495	.8357
#2	.0380	295.0	1.674	4.926	.0523	176.4	.0732	.5504	.8381
#3	.0386	294.8	1.659	4.921	.0520	175.7	.0733	.5487	.8354
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.9399	402.5	95.82	111.3	7.810	.3612	24.53	8.846	3.090
Stddev	.0011	.8	.12	.2	.037	.0004	.08	.0004	.009
%RSD	.1133	.2030	.1254	.1666	.4695	.1060	.3111	.0430	.3036
#1	.9388	401.8	95.84	111.1	7.837	.3616	24.44	8.850	3.080
#2	.9409	403.4	95.93	111.2	7.769	.3613	24.57	8.847	3.093
#3	.9401	402.2	95.69	111.5	7.826	.3608	24.57	8.842	3.098
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0859	1.591	3.559	.4670	1.312	F 14.23	1.826	1.090	F 11.39
Stddev	.0029	.004	.009	.0013	.005	.02	.010	.002	.03
%RSD	3.380	.2277	.2625	.2837	.3558	.1635	.5370	.1533	.2812
#1	.0853	1.594	3.569	.4680	1.307	14.22	1.819	1.089	11.35
#2	.0834	1.592	3.550	.4676	1.315	14.22	1.837	1.092	11.42
#3	.0891	1.587	3.559	.4655	1.315	14.26	1.821	1.089	11.39
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2378.3	5950.1	4808.0	4519.0					
Stddev	3.2	5.6	38.	22.4					
%RSD	.13330	.09336	.07816	.49596					
#1	2381.5	5948.3	48047.	4511.1					
#2	2378.2	5956.4	48121.	4501.6					
#3	2375.2	5945.7	48073.	4544.3					

7.1
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Sample Name: MP30098-S2 Acquired: 3/11/2016 19:12:04 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0415	251.7	1.776	4.275	.0533	180.2	.0703	.5654	.7519
Stddev	.0013	.3	.008	.013	.0003	.3	.0002	.0008	.0019
%RSD	3.206	.1245	.4289	.3024	.5594	.1857	.2428	.1440	.2464
#1	.0430	251.5	1.767	4.283	.0532	179.9	.0702	.5648	.7537
#2	.0406	252.0	1.779	4.283	.0536	180.5	.0702	.5650	.7500
#3	.0410	251.5	1.782	4.260	.0530	180.0	.0705	.5663	.7521
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.8360	342.3	80.70	107.7	6.725	.3917	25.13	8.367	2.343
Stddev	.0029	.7	.12	.5	.017	.0012	.05	.0011	.008
%RSD	.3508	.2086	.1539	.4382	.2567	.2944	.1875	.1308	.3312
#1	.8326	341.5	80.76	107.4	6.745	.3905	25.09	8.362	2.336
#2	.8376	342.9	80.78	108.3	6.714	.3920	25.18	8.360	2.352
#3	.8378	342.5	80.56	107.5	6.716	.3927	25.12	8.380	2.342
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0864	1.703	2.983	.4580	1.185	F 12.96	1.903	1.014	5.418
Stddev	.0005	.005	.005	.0015	.002	.03	.005	.001	.007
%RSD	.6263	.2705	.1534	.3304	.2047	.2596	.2554	.0519	.1296
#1	.0860	1.706	2.979	.4595	1.185	13.00	1.900	1.013	5.425
#2	.0870	1.697	2.982	.4578	1.187	12.93	1.909	1.014	5.418
#3	.0862	1.705	2.988	.4565	1.182	12.96	1.901	1.014	5.411
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2398.2	5710.1	4586.4	4255.8					
Stddev	5.6	7.5	103.	14.1					
%RSD	.23193	.13139	.22356	.33140					
#1	2404.1	5717.4	45746.	4271.4					
#2	2393.1	5710.7	45933.	4244.1					
#3	2397.4	5702.4	45913.	4251.7					

Sample Name: FA32075-1 Acquired: 3/11/2016 19:16:36 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0009	264.9	.1258	2.901	.0106	95.45	.0215	1.565	.5995
Stddev	.0004	3.1	.0025	.033	.0002	.94	.0002	.0004	.0059
%RSD	39.54	1.155	2.026	1.151	1.970	9.891	.9424	2.830	.9895
#1	.0010	266.3	.1257	2.912	.0107	96.00	.0213	1.561	.5976
#2	.0013	267.0	.1284	2.929	.0108	95.99	.0216	1.569	.5947
#3	.0006	261.4	.1233	2.864	.0104	94.36	.0217	1.565	.6061
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7655	395.4	86.97	96.21	6.888	.0254	5.196	4.636	2.099
Stddev	.0061	3.9	1.04	1.01	.013	.0000	.043		

Sample Name: FA32075-2 Acquired: 3/11/2016 19:21:12 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0039	261.1	.0800	3.253	.0109	84.72	.0158	.1687	.5359
Stddev	.0001	.8	.0008	.013	.0001	.27	.0002	.0001	.0037
%RSD	1.397	.2936	.9466	.4127	.9582	.3212	.9949	.0761	.6866
#1	.0039	260.2	.0806	3.242	.0108	84.67	.0160	.1688	.5397
#2	.0038	261.2	.0802	3.250	.0110	84.48	.0158	.1688	.5356
#3	.0039	261.7	.0792	3.268	.0108	85.02	.0157	.1686	.5324
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.8581	373.9	69.06	80.44	F 10.02	.0169	7.992	.3732	2.043
Stddev	.0049	.6	.27	.16	.06	.0002	.033	.0009	.006
%RSD	.5699	.1576	.3845	.1951	.6083	1.207	.4161	.2436	.2791
#1	.8526	373.3	68.99	80.26	10.09	.0171	7.959	.3737	2.049
#2	.8601	373.8	68.83	80.55	9.991	.0168	7.992	.3737	2.040
#3	.8618	374.5	69.35	80.51	9.975	.0168	8.026	.3721	2.039
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0049	-.0037	2.969	.0800	.8323	F 12.43	-.0041	.6997	3.403
Stddev	.0016	.0025	.003	.0004	.0016	.05	.0010	.0041	.003
%RSD	32.28	67.58	.1042	.5265	.1968	.3918	23.62	5.845	.0956
#1	.0044	-.0009	2.969	.0795	.8308	12.48	-.0033	.7039	3.406
#2	.0037	-.0055	2.973	.0804	.8322	12.38	-.0037	.6995	3.403
#3	.0067	-.0048	2.966	.0800	.8340	12.44	-.0052	.6957	3.399
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2465.1	6163.0	4950.9	4647.0					
Stddev	4.3	13.7	186.	19.6					
%RSD	.17560	.22259	.37558	.42070					
#1	2461.5	6168.5	49296.	4669.5					
#2	2464.0	6147.4	49639.	4634.3					
#3	2469.9	6173.1	49591.	4637.2					

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Sample Name: FA32075-3 Acquired: 3/11/2016 19:25:48 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0014	243.0	.0978	2.713	.0091	143.8	.0318	.1465	.6188
Stddev	.0003	.4	.0015	.008	.0001	.4	.0001	.0004	.0022
%RSD	20.42	.1759	1.529	.2993	.9931	.2720	.1592	.2847	.3584
#1	.0011	243.2	.0992	2.719	.0092	143.6	.0319	.1465	.6163
#2	.0017	242.6	.0979	2.704	.0090	143.5	.0318	.1469	.6205
#3	.0015	243.4	.0963	2.717	.0092	144.3	.0318	.1461	.6195
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7548	353.9	73.85	90.69	F 9.697	.0210	4.936	.4920	2.654
Stddev	.0017	.5	.31	.22	.030	.0003	.015	.0008	.002
%RSD	.2208	.1334	.4226	.2448	.3110	1.293	.3124	.1588	.0622
#1	.7553	354.1	74.06	90.62	9.671	.0208	4.944	.4922	2.652
#2	.7529	353.4	73.49	90.50	9.730	.0213	4.918	.4926	2.654
#3	.7561	354.3	74.00	90.93	9.691	.0209	4.946	.4911	2.656
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0073	-.0064	3.415	.0754	.8474	F 13.27	-.0005	.6732	6.321
Stddev	.0021	.0013	.006	.0003	.0043	.09	.0034	.0014	.009
%RSD	28.28	20.94	.1729	.4043	.5114	.6513	.745.9	.2075	.1459
#1	.0050	-.0075	3.412	.0752	.8511	13.18	.0021	.6718	6.311
#2	.0078	-.0049	3.422	.0758	.8426	13.29	.0008	.6746	6.329
#3	.0090	-.0067	3.413	.0754	.8485	13.35	-.0043	.6733	6.322
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2423.4	5885.1	4733.5	4477.5					
Stddev	7.2	3.0	154.	19.4					
%RSD	.29847	.05173	.32516	.43259					
#1	2421.7	5888.0	47506.	4489.0					
#2	2431.4	5885.2	47294.	4488.4					
#3	2417.3	5881.9	47206.	4455.1					

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Sample Name: FA32075-4 Acquired: 3/11/2016 19:30:25 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	262.3	.0971	2.787	.0099	154.9	.0215	.1629	.5617
Stddev	.0002	1.5	.0008	.010	.0001	.8	.0002	.0001	.0020
%RSD	66550.	.5766	.8520	.3546	.5690	.4985	1.125	.0615	.3630
#1	-.0002	260.5	.0962	2.777	.0099	154.1	.0218	.1631	.5594
#2	.0000	263.0	.0979	2.796	.0100	154.9	.0214	.1629	.5626
#3	.0002	263.2	.0973	2.788	.0099	155.7	.0214	.1629	.5631
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6322	378.7	73.73	96.86	7.391	.0197	3.448	.4283	1.250
Stddev	.0020	2.4	.30	.85	.019	.0001	.009	.0003	.005
%RSD	.3154	.6221	.4135	.8808	.2553	.4802	.2574	.0640	.4100
#1	.6343	376.2	73.39	95.94	7.374	.0196	3.441	.4284	1.256
#2	.6303	379.1	73.98	97.03	7.388	.0198	3.458	.4285	1.245
#3	.6319	380.9	73.82	97.62	7.411	.0198	3.445	.4280	1.249
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0036	-.0048	3.249	.0413	.9665	F 13.43	-.0034	.7118	3.200
Stddev	.0038	.0024	.001	.0006	.0058	.06	.0025	.0031	.002
%RSD	104.2	49.62	.0276	1.494	.5971	.4143	72.96	.4328	.0666
#1	.0062	-.0033	3.249	.0415	.9598	13.39	-.0014	.7082	3.202
#2	-.0007	-.0035	3.250	.0418	.9702	13.41	-.0061	.7134	3.198
#3	.0053	-.0075	3.250	.0406	.9695	13.50	-.0025	.7137	3.202
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2424.9	5991.9	4801.2	4472.6					
Stddev	6.4	8.5	201.	30.2					
%RSD	.26360	.14173	.41775	.67441					
#1	2424.8	5992.8	48187.	4496.7					
#2	2431.4	5999.9	48056.	4482.4					
#3	2418.6	5983.0	47793.	4438.8					

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Sample Name: FA32075-5 Acquired: 3/11/2016 19:35:01 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0005	190.3	.0719	2.084	.0072	86.30	.0162	.1270	.4630
Stddev	.0001	.1	.0008	.006	.0000	.27	.0001	.0003	.0014
%RSD	29.69	.0657	1.137	.3098	.4607	.3158	.6726	.2264	.2983
#1	.0004	190.3	.0720	2.077	.0073	85.99	.0161	.1270	.4634
#2	.0004	190.5	.0710	2.085	.0072	86.49	.0161	.1267	.4642
#3	.0007	190.2	.0726	2.090	.0072	86.42	.0163	.1272	.4615
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5254	284.5	61.47	75.18	5.487	.0196	5.149	3.554	1.171
Stddev	.0027	.3	.13	.03	.015	.0003	.009	.0007	.001

Sample Name: CCV Acquired: 3/11/2016 19:39:38 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2498	39.35	2.080	1.971	2.023	39.07	2.088	2.059	2.046
Stddev	.0012	.13	.002	.003	.004	.08	.004	.002	.009
%RSD	.4684	.3224	.0844	.1466	.1816	.1967	.1953	.1024	.4557
#1	.2500	39.44	2.082	1.969	2.025	39.07	2.092	2.061	2.035
#2	.2485	39.40	2.079	1.975	2.026	39.15	2.086	2.059	2.053
#3	.2508	39.20	2.078	1.970	2.019	38.99	2.085	2.056	2.049

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.996	39.18	38.03	38.63	2.090	2.066	39.67	2.108	2.031
Stddev	.003	.09	.04	.05	.012	.000	.07	.004	.004
%RSD	.1642	.2399	.1047	.1384	.5721	.0184	.1643	.2155	.2003
#1	2.000	39.27	38.07	38.69	2.077	2.066	39.69	2.114	2.036
#2	1.995	39.17	38.04	38.62	2.094	2.067	39.72	2.107	2.030
#3	1.994	39.09	37.99	38.59	2.099	2.066	39.60	2.105	2.028

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.071	2.061	2.018	2.072	2.057	2.098	2.050	2.096	2.035
Stddev	.001	.006	.002	.002	.005	.007	.003	.008	.003
%RSD	.0419	.3010	.1014	.0899	.2491	.3565	.1386	.3651	.1643
#1	2.072	2.063	2.020	2.072	2.061	2.090	2.053	2.088	2.038
#2	2.071	2.054	2.016	2.073	2.058	2.100	2.048	2.098	2.036
#3	2.070	2.065	2.018	2.069	2.051	2.104	2.049	2.103	2.031

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/11/2016 19:39:38 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2379.1	4915.7	3980.7	3734.1
Stddev	.6	5.5	134.	11.0
%RSD	.02452	.11106	.33780	.29459
#1	2379.6	4914.0	3995.3	3727.3
#2	2379.2	4911.3	3968.9	3728.2
#3	2378.5	4921.8	3978.0	3746.8

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Sample Name: CCB Acquired: 3/11/2016 19:43:50 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0081	-0.002	.0004	.0002	.0039	.0001	.0001	.0003
Stddev	.0003	.0046	.0007	.0005	.0001	.0012	.0000	.0000	.0001
%RSD	116.9	56.60	340.5	135.6	37.19	29.93	32.69	45.67	38.85
#1	.0005	.0090	-0.0009	.0004	.0003	.0037	.0001	.0001	.0004
#2	.0000	.0121	.0001	-0.0002	.0001	.0052	.0002	.0000	.0003
#3	.0001	.0031	.0003	.0008	.0002	.0029	.0001	.0001	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0143	.0229	.0059	.0002	F .0012	.0110	.0001	-0.0003
Stddev	.0001	.0006	.0302	.0084	.0000	.0003	.0049	.0002	.0002
%RSD	40.32	4.218	132.0	141.7	13.02	25.18	44.29	103.6	64.60
#1	.0002	.0150	.0498	.0126	.0003	.0015	.0091	.0003	-0.0001
#2	.0003	.0139	-0.0097	.0087	.0002	.0010	.0074	.0000	-0.0005
#3	.0004	.0141	.0285	-0.0035	.0002	.0010	.0166	.0001	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.0010	-0.0007	.0001	.0002	.0009	.0003	.0000	.0002
Stddev	.0006	.0013	.0006	.0004	.0001	.0001	.0002	.0003	.0001
%RSD	103.9	123.1	88.15	687.2	46.82	11.97	80.12	672.6	23.26
#1	.0002	.0015	-0.0005	.0001	.0003	.0010	.0002	.0002	.0002
#2	.0002	.0020	-0.0002	.0004	.0002	.0009	.0005	-0.0003	.0002
#3	.0013	-0.0004	-0.0013	-0.0003	.0001	.0008	.0001	.0003	.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/11/2016 19:43:50 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2802.8	5218.5	4196.7	3752.1
Stddev	2.9	2.0	106.	11.3
%RSD	.10357	.03917	.25373	.30119
#1	2800.4	5216.2	4208.5	3754.8
#2	2806.0	5220.0	4187.8	3761.8
#3	2801.9	5219.4	4193.8	3739.7

Sample Name: FA32075-6 Acquired: 3/11/2016 19:48:23 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.005	312.1	.1046	2.784	.0124	109.1	.0085	1.883	.5641
Stddev	.0004	1.9	.0010	.012	.0002	.6	.0002	.0002	.0018
%RSD	90.07	.6203	.9810	.4310	1.401	.5665	2.887	1.324	.3249
#1	-.0007	310.3	.1035	2.774	.0125	108.4	.0088	1.883	.5624
#2	-.0000	314.1	.1051	2.797	.0123	109.5	.0083	1.880	.5660
#3	-.0006	312.0	.1054	2.780	.0122	109.4	.0084	1.885	.5638
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(ln2306)	(ln2306)
Avg	.5236	449.0	98.03	129.3	8.672	.0096	15.54	4.274	.4592
Stddev	.0012	2.7	.46	.9	.049	.0000	.09	.0014	.0023
%RSD	.2275	.6050	.4728	.6817	.5672	.4770	.5693	.3303	.5051
#1	.5248	446.5	97.50	128.3	8.628	.0096	15.46	4.290	.4617
#2	.5224	451.9	98.34	130.0	8.725	.0096	15.63	4.268	.4572
#3	.5237	448.7	98.25	129.7	8.664	.0097	15.52	4.264	.4586
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0060	-0.0050	2.776	.0309	1.003	14.11	-0.0056	.7966	1.742
Stddev	.0008	.0018	.006	.0005	.006	.08	.0038	.0029	.004
%RSD	12.72	35.06	.2023	1.684	.6462	.5581	67.57	3.624	2.155
#1	.0059	-.0032	2.772	.0315	.9988	14.06	-.0041	.7955	1.740
#2	.0068	-.0067	2.782	.0308	1.010	14.20	-.0099	.7998	1.739
#3	.0053	-.0053	2.774	.0305	.9996	14.07	-.0028	.7943	1.746
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2395.0	6141.4	49144.	4597.3					
Stddev	4.5	3.4	155.	32.0					
%RSD	.18637	.05481	.31506	.69592					
#1	2390.5	6144.4	49256.	4632.2					
#2	2399.4	6142.1	48968.	4590.3					
#3	2395.2	6137.8	49210.	4569.4					

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Sample Name: FA32075-7 Acquired: 3/11/2016 19:53:00 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0037	253.8	.0976	2.903	.0097	143.7	.0155	1.563	.5205
Stddev	.0001	1.0	.0016	.015	.0001	.7	.0002	.0002	.0017
%RSD	2.489	.3979	1.594	.5210	1.203	.5040	1.281	.0996	.3238
#1	.0037	254.0	.0968	2.904	.0099	143.6	.0156	1.564	.5214
#2	.0037	252.7	.0994	2.888	.0097	143.0	.0157	1.564	.5186
#3	.0038	254.8	.0966	2.918	.0096	144.4	.0153	1.561	.5216
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(ln2306)	(ln2306)
Avg	.7496	414.0	88.83	110.5	7.309	.0142	10.64	.3990	.9595
Stddev	.0010	1.7	.47	.7	.048	.0000	.05	.0006	.0013
%RSD	.1329	.4029	.5274	.6489	.6519	.2896	.4423	.1410	.1343
#1	.7504	413.9	88.91	110.2	7.329	.0143	10.66	.3989	.9586
#2	.7485	412.4	88.33	109.9	7.255	.0143	10.58	.3996	.9609
#3	.7498	415.8	89.26	111.3	7.344	.0142	10.67	.3984	.9588
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0077	-0.0068	2.712	.6390	1.201	F 11.53	-0.0041	.6690	3.015
Stddev	.0030	.0031	.003	.0006	.005	.05	.0013	.0008	.001
%RSD	39.17	45.86	.0947	.0914	.4029	4.716	.3265	.1138	.0477
#1	.0058	-.0091	2.711	.6395	1.202	11.54	-.0054	.6695	3.016
#2	.0112	-.0032	2.709	.6390	1.195	11.47	-.0027	.6681	3.016
#3	.0061	-.0080	2.714	.6384	1.204	11.57	-.0042	.6693	3.014
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2401.3	5900.3	47769.	4508.7					
Stddev	1.8	10.5	147.	24.7					
%RSD	.07371	.17848	.30828	.54878					
#1	2403.3	5912.4	47722.	4506.1					
#2	2400.9	5894.9	47934.	4534.6					
#3	2399.8	5893.5	47651.	4485.3					

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Sample Name: FA32074-12 Acquired: 3/11/2016 19:57:36 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0033	259.6	.1440	3.578	.0092	105.8	.0630	1.906	2.064
Stddev	.0005	1.3	.0008	.016	.0002	1.0	.0023	.0043	.036
%RSD	13.58	.5078	.5330	.4489	2.224	.9014	3.611	2.241	1.744
#1	.0034	258.1	.1443	3.565	.0091	104.7	.0656	1.953	2.093
#2	.0028	260.7	.1431	3.596	.0094	106.6	.0612	1.870	2.077
#3	.0037	260.0	.1446	3.572	.0090	106.1	.0623	1.895	2.024
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	1.806	388.9	62.62	90.95	6.487	.0648	3.056	1.287	F 12.95
Stddev	.036	1.8	.36	.91	.110	.0015	.025	.027	.32
%RSD	1.992	.4543	.5675	1.004	1.701	2.262	.8003	2.111	2.501
#1	1.833	386.9	62.22	89.91	6.558	.0663	3.038	1.318	13.32
#2	1.819	390.2	62.92	91.59	6.543	.0634	3.084	1.267	12.72
#3	1.765	389.6	62.71	91.37	6.360	.0647	3.046	1.277	12.81
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0213	-0.0005	2.466	.2097	.8549	F 12.62	-0.0051	.7479	F 11.30
Stddev	.0038	.0031	.049	.0041	.0011	.30	.0024	.0129	.23
%RSD	17.81	598.2	2.003	1.978	.1328	2.350	46.20	1.721	1.999
#1	.0246	-.0027	2.522	.2144	.8540	12.86	-.0026	.7567	11.56
#2	.0172	-.0009	2.428	.2070	.8546	12.70	-.0073	.7539	11.16
#3	.0221	-.0033	2.448	.2076	.8562	12.29	-.0054	.7331	11.19
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2471.8	6007.3	48912.	4506.7					
Stddev	54.2	105.0	891.	33.0					
%RSD	2.1919	1.7476	1.8210	.73245					
#1	2410.3	5887.4	48161.	4541.5					
#2	2512.6	6083.0	48678.	4502.9					
#3	2492.3	6051.4	48986.	4475.8					

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Sample Name: FA32074-13 Acquired: 3/11/2016 20:02:11 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0007	254.3	.0935	3.137	.0098	127.4	.0228	1.560	.8957
Stddev	.0004	.9	.0033	.012	.0001	.2	.0002	.0000	.0038
%RSD	51.96	.3471	3.500	.3660	.5892	.1806	.7334	.0079	.4214
#1	.0010	253.3	.0968	3.124	.0098	127.2	.0230	1.560	.8914
#2	.0008	254.9	.0902	3.146	.0098	127.7	.0226	1.560	.8973
#3	.0003	254.8	.0936	3.141	.0099	127.5	.0228	1.560	.8985
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2				

Sample Name: FA32074-15 Acquired: 3/11/2016 20:06:46 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0012	248.6	.0888	2.876	.0096	127.1	.0212	.1512	.8156
Stddev	.0005	.0	.0020	.005	.0000	.1	.0001	.0004	.0016
%RSD	39.17	.0197	2.309	.1840	.4500	.0548	.4586	.2320	.1976
#1	.0018	248.6	.0864	2.880	.0096	127.0	.0212	.1516	.8162
#2	.0009	248.5	.0899	2.870	.0096	127.1	.0213	.1509	.8168
#3	.0010	248.6	.0901	2.879	.0096	127.2	.0212	.1511	.8138
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7267	381.3	69.71	87.50	6.888	.0327	2.599	5.904	1.852
Stddev	.0014	.5	.05	.41	.015	.0001	.006	.0003	.004
%RSD	.1911	.1214	.0667	.4641	.2124	.2851	.2460	.0562	.2367
#1	.7254	380.7	69.70	87.44	6.900	.0328	2.606	5.904	1.855
#2	.7266	381.5	69.67	87.93	6.872	.0326	2.594	5.900	1.854
#3	.7282	381.5	69.76	87.12	6.891	.0328	2.596	5.907	1.847
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0073	-0.0066	2.782	.0561	.9091	F 12.21	-0.0023	6.925	3.358
Stddev	.0038	.0011	.003	.0007	.0006	.04	.0050	.0012	.010
%RSD	51.88	17.24	.1238	1.299	.0709	.3269	215.3	.1723	.2977
#1	.0114	-0.0079	2.786	.0553	.9092	12.23	-0.0044	6.924	3.369
#2	.0038	-0.0058	2.781	.0560	.9084	12.23	-0.0060	6.914	3.352
#3	.0069	-0.0061	2.779	.0568	.9097	12.16	.0034	6.938	3.352
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2434.2	5938.6	4784.4	4470.2					
Stddev	1.0	8.1	69.	21.4					
%RSD	.03934	.13562	.14473	.47914					
#1	2434.1	5942.1	4776.7	4477.1					
#2	2435.1	5944.4	4790.3	4446.1					
#3	2433.2	5929.4	4786.1	4487.2					

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Sample Name: FA32074-16 Acquired: 3/11/2016 20:11:23 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0023	230.6	.0982	3.172	.0087	93.71	.0363	.1527	1.085
Stddev	.0006	.6	.0009	.006	.0001	.28	.0002	.0006	.011
%RSD	24.47	.2690	.9354	.1956	1.403	.3010	.4359	.3646	.9828
#1	.0026	230.2	.0972	3.178	.0087	93.42	.0363	.1525	1.084
#2	.0026	231.3	.0986	3.173	.0089	93.98	.0362	.1523	1.096
#3	.0016	230.3	.0989	3.166	.0086	93.72	.0365	.1533	1.074
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.9342	340.2	67.05	81.25	7.121	.0374	2.341	7.216	4.835
Stddev	.0115	1.4	.26	.45	.031	.0001	.005	.0026	.023
%RSD	1.227	.3987	.3935	.5506	.4397	.3051	.2294	.3625	.4761
#1	.9358	338.7	67.03	80.73	7.088	.0374	2.346	7.189	4.809
#2	.9448	341.4	67.32	81.48	7.151	.0375	2.336	7.218	4.852
#3	.9220	340.4	66.79	81.54	7.123	.0373	2.340	7.241	4.843
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0091	-0.0037	2.503	.1093	.7279	F 11.48	-0.0021	6.267	6.249
Stddev	.0028	.0013	.002	.0010	.0011	.11	.0016	.0062	.032
%RSD	30.80	35.90	.0594	.8901	.1443	.9826	75.14	.9958	.5188
#1	.0066	-0.0023	2.505	.1103	.7287	11.49	-0.0033	6.291	6.212
#2	.0086	-0.0050	2.502	.1094	.7282	11.58	-0.0028	6.315	6.273
#3	.0121	-0.0039	2.503	.1083	.7267	11.36	-0.0003	6.197	6.263
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2451.0	5838.7	4772.4	4499.1					
Stddev	8.8	12.9	357.	25.9					
%RSD	.35974	.22126	.74724	.57674					
#1	2461.0	5850.1	4777.3	4529.1					
#2	2444.7	5841.2	4734.5	4483.9					
#3	2447.1	5824.7	4805.3	4484.4					

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7.1

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Sample Name: FA32074-17 Acquired: 3/11/2016 20:16:00 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0008	242.5	.0828	2.615	.0098	92.56	.0236	.1559	5.477
Stddev	.0002	.5	.0018	.005	.0000	.07	.0002	.0004	.0017
%RSD	25.66	.2222	2.197	.1823	.2257	.0784	1.013	.2589	.3025
#1	.0008	242.3	.0832	2.620	.0098	92.49	.0235	.1562	5.492
#2	.0009	243.1	.0844	2.614	.0098	92.64	.0234	.1555	5.459
#3	.0006	242.1	.0808	2.611	.0099	92.57	.0239	.1561	5.479
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5538	364.5	83.84	92.31	7.537	.0226	4.312	4.209	2.207
Stddev	.0005	1.0	.08	.29	.045	.0004	.007	.0013	.008
%RSD	.0882	.2873	.0992	.3193	.5989	1.594	.1713	.3026	.3487
#1	.5544	363.9	83.75	92.04	7.502	.0225	4.321	4.195	2.215
#2	.5537	365.7	83.91	92.62	7.522	.0223	4.307	4.216	2.200
#3	.5534	363.8	83.87	92.27	7.588	.0230	4.308	4.218	2.208
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0107	-0.0075	2.522	.0536	.9145	F 11.86	.0021	6.860	2.762
Stddev	.0022	.0041	.004	.0006	.0028	.06	.0025	.0020	.005
%RSD	20.13	55.10	.1519	1.126	.3083	4.741	116.4	.2866	.1969
#1	.0128	-0.0027	2.518	.0530	.9156	11.79	.0019	6.863	2.756
#2	.0085	-0.0098	2.522	.0535	.9166	11.88	-0.0002	6.839	2.765
#3	.0110	-0.0101	2.526	.0542	.9113	11.90	.0047	6.878	2.765
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2446.4	6048.9	4858.7	4552.9					
Stddev	6.8	11.9	225.	29.3					
%RSD	.27698	.19624	.46346	.64396					
#1	2439.0	6062.2	4876.5	4581.6					
#2	2452.3	6045.0	4866.2	4523.0					
#3	2447.8	6039.5	4833.4	4554.2					

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Sample Name: FA32074-18 Acquired: 3/11/2016 20:20:37 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0019	224.7	.0771	2.543	.0090	122.4	.0201	.1373	.7881
Stddev	.0003	.5	.0005	.007	.0000	.4	.0003	.0001	.0016
%RSD	13.76	.2173	.6026	.2741	.2670	.3579	1.446	.0890	.2039
#1	.0022	224.7	.0772	2.540	.0090	122.9	.0203	.1375	.7880
#2	.0018	225.2	.0766	2.551	.0090	122.2	.0197	.1372	.7866
#3	.0017	224.2	.0776	2.538	.0090	122.1	.0202	.1373	.7898
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7038	332.2	75.55	86.26	F 8.687	.0217	3.571	3.815	1.281
Stddev	.0023	.9	.22	.41	.033	.0002	.014	.0013	.001
%RSD	.3212	.2634	.2942	.4779	.3823	.8095	.3880	.3469	.0788
#1	.7064	332.4	75.75	86.47	8.702	.0219	3.558	3.804	1.280
#2	.7023	332.9	75.60	86.51	8.649	.0216	3.586	3.829	1.282
#3	.7026</								

Sample Name: FA32074-19 Acquired: 3/11/2016 20:25:14 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.009	264.2	0.965	2.988	0.107	97.72	0.262	1.647	6.736
Stddev	0.005	.9	.0021	.010	.0002	.19	.0003	.0004	.0006
%RSD	51.31	.3449	2.172	.3257	1.560	.1894	1.309	.2587	.0932
#1	-0.009	264.1	.0976	2.988	.0105	97.52	.0261	1.644	6.736
#2	-0.013	263.3	.0978	2.979	.0108	97.75	.0266	1.652	6.742
#3	-0.004	265.1	.0941	2.998	.0109	97.88	.0259	1.646	6.729
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	6.945	392.7	90.94	96.08	7.353	0.280	5.467	4.556	2.868
Stddev	.0009	1.2	.33	.34	.009	.0001	.030	.0011	.004
%RSD	.1310	.2953	.3676	.3569	.1274	.3163	.5421	.2496	.1455
#1	6.937	391.9	90.78	95.79	7.353	0.280	5.450	4.545	2.869
#2	6.955	392.2	90.71	96.46	7.362	0.281	5.450	4.555	2.863
#3	6.943	394.1	91.32	96.01	7.344	0.279	5.501	4.568	2.871
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.089	-0.046	3.321	0.742	8.675	12.23	-0.019	7.460	3.789
Stddev	.0010	.0026	.007	.0004	.0031	.04	.0015	.0004	.005
%RSD	11.33	57.11	.2108	.5773	.3571	.3267	80.08	.0556	.1304
#1	0.078	-0.043	3.322	.0738	.8688	12.24	-0.004	7.465	3.791
#2	0.097	-0.074	3.328	.0747	.8640	12.26	-0.035	7.457	3.783
#3	0.092	-0.022	3.314	.0742	.8698	12.18	-0.018	7.459	3.793
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2424.9	6077.5	4902.0	4634.5					
Stddev	1.0	10.5	160.	13.8					
%RSD	.03986	.17329	.32597	.29859					
#1	2423.9	6075.5	48937.	4644.2					
#2	2424.9	6068.2	48919.	4618.7					
#3	2425.9	6088.9	49205.	4640.6					

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Sample Name: FA32074-20 Acquired: 3/11/2016 20:29:51 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.008	274.6	0.882	2.792	0.116	85.80	0.205	1.753	5.525
Stddev	.0001	.6	.0008	.007	.0001	.09	.0002	.0001	.0018
%RSD	15.82	.2334	.9077	.2382	.7913	.1090	1.018	.0310	.3262
#1	-0.009	274.2	.0883	2.785	.0116	85.71	.0207	1.753	5.524
#2	-0.007	274.3	.0874	2.795	.0115	85.79	.0204	1.753	5.508
#3	-0.009	275.3	.0890	2.797	.0117	85.90	.0203	1.754	5.544
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	6.737	402.8	94.60	101.6	7.891	0.230	6.060	4.431	1.635
Stddev	.0017	1.2	.19	.1	.048	.0002	.011	.0006	.001
%RSD	.2473	.3074	.2058	.0693	.6056	1.065	.1757	.1355	.0533
#1	6.736	402.3	94.43	101.7	7.879	0.233	6.065	4.435	1.634
#2	6.754	401.9	94.56	101.7	7.850	0.230	6.047	4.424	1.635
#3	6.720	404.2	94.81	101.5	7.943	0.228	6.067	4.434	1.636
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.054	-0.045	2.540	0.499	8.042	9.959	-0.030	7.446	2.616
Stddev	.0020	.0010	.004	.0004	.0034	.037	.0032	.0018	.008
%RSD	36.99	22.95	.1478	.7544	.4266	.3678	106.0	.2409	.3093
#1	0.062	-0.056	2.544	.0503	.8021	9.975	-0.047	7.429	2.609
#2	0.032	-0.035	2.536	.0495	.8024	9.917	-0.049	7.444	2.613
#3	0.070	-0.043	2.540	.0500	.8082	9.985	.0007	7.465	2.625
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2427.6	6276.7	5028.7	4675.0					
Stddev	2.2	9.2	196.	18.0					
%RSD	.09180	.14681	.39062	.38538					
#1	2430.2	6277.1	50329.	4669.1					
#2	2426.3	6285.7	50459.	4695.3					
#3	2426.4	6267.3	50073.	4660.7					

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Sample Name: CCV Acquired: 3/11/2016 20:34:27 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.472	39.15	2.049	1.943	2.015	38.77	2.068	2.038	2.027
Stddev	.0006	.13	.003	.008	.005	.08	.003	.002	.001
%RSD	.2602	.3246	.1484	.4076	.2371	.2156	.1539	.0853	.0555
#1	2.478	39.12	2.047	1.946	2.015	38.83	2.066	2.037	2.026
#2	2.465	39.05	2.049	1.934	2.011	38.67	2.072	2.040	2.027
#3	2.472	39.30	2.053	1.950	2.020	38.81	2.067	2.038	2.028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.968	38.99	37.61	38.63	2.078	2.047	39.44	2.068	2.010
Stddev	.003	.10	.15	.12	.004	.002	.07	.002	.001
%RSD	.1687	.2460	.3879	.2981	.1672	.0861	.1745	.0720	.0551
#1	1.987	38.99	37.72	38.75	2.075	2.045	39.43	2.087	2.009
#2	1.985	38.89	37.45	38.52	2.082	2.048	39.39	2.090	2.011
#3	1.991	39.08	37.68	38.62	2.077	2.048	39.52	2.087	2.011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.049	2.031	2.001	2.053	2.044	2.083	2.031	2.068	2.010
Stddev	.006	.003	.002	.004	.009	.001	.003	.003	.007
%RSD	.3167	.1398	.0846	.1845	.4223	.0619	.1581	.1193	.3608
#1	2.050	2.029	2.000	2.050	2.043	2.082	2.028	2.071	2.006
#2	2.042	2.029	2.003	2.057	2.036	2.082	2.035	2.066	2.018
#3	2.055	2.034	2.001	2.051	2.054	2.084	2.031	2.069	2.006
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 3/11/2016 20:34:27 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2403.7	4958.7	40146.	3697.2					
Stddev	4.7	4.5	66.	15.4					
%RSD	.19460	.09169	.16331	.41695					
#1	2405.7	4961.7	40210.	3680.6					
#2	2407.0	4960.9	40148.	3700.2					
#3	2398.4	4953.5	40079.	3711.0					

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Sample Name: CCB Acquired: 3/11/2016 20:38:38 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0111	-0.0003	.0003	.0001	.0036	.0001	.0002	.0003
Stddev	.0002	.0018	.0010	.0002	.0000	.0009	.0000	.0000	.0001
%RSD	61.67	16.12	334.4	72.78	24.12	24.03	24.01	2.327	34.66

#1	.0005	.0123	-0.0004	.0002	.0001	.0046	.0001	.0002	.0002
#2	.0001	.0120	-0.0013	.0002	.0001	.0031	.0001	.0002	.0004
#3	.0003	.0090	.0008	.0006	.0001	.0031	.0001	.0002	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0193	.0198	-0.0340	.0003	F .0012	.0128	.0001	-0.0006
Stddev	.0001	.0042	.0021	.0220	.0000	.0002	.0144	.0001	.0001
%RSD	28.11	21.63	10.57	64.84	7.457	15.85	112.2	76.88	19.53

#1	.0004	.0223	.0186	-.0129	.0003	.0015	.0285	.0001	-0.0006
#2	.0002	.0210	.0222	-.0568	.0003	.0012	.0098	.0002	-0.0007
#3	.0003	.0145	.0186	-.0322	.0003	.0011	.0002	.0001	-0.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit .0010
 Low Limit -.0010

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.0004	-0.0004	-0.0001	.0002	.0010	-0.0002	.0000	.0002
Stddev	.0004	.0012	.0005	.0002	.0002	.0001	.0002	.0000	.0000
%RSD	756.2	280.3	117.3	231.3	79.82	10.29	94.47	173.7	10.73

#1	-.0003	-.0017	.0000	.0000	.0001	.0011	.0000	.0000	.0002
#2	.0004	.0006	-.0009	-.0004	.0004	.0011	-.0002	.0000	.0002
#3	.0000	-.0001	-.0003	.0001	.0001	.0009	-.0004	.0000	.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/11/2016 20:38:38 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2804.3	5191.2	4242.1	3793.0
Stddev	1.0	18.7	25.1	19.8
%RSD	.03464	.36074	.59263	.52106

#1	2805.0	5207.5	42299.	3790.6
#2	2804.7	5195.5	42711.	3774.6
#3	2803.2	5170.7	42255.	3813.9

Sample Name: FA32074-21 Acquired: 3/11/2016 20:43:11 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0009	284.5	.0833	2.848	.0122	81.32	.0151	.1815	.4894
Stddev	.0009	.7	.0025	.007	.0001	.27	.0002	.0006	.0006
%RSD	102.1	.2569	3.050	.2448	.7208	.3349	1.423	.3224	1.164

#1	-.0019	285.3	.0839	2.855	.0123	81.62	.0153	.1818	.4894
#2	-.0007	284.4	.0855	2.841	.0122	81.26	.0150	.1817	.4888
#3	-.0001	283.8	.0805	2.848	.0121	81.09	.0149	.1808	.4900

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4596	411.0	87.97	103.7	F 8.083	.0181	6.302	4.376	.2051
Stddev	.0001	1.2	.25	.4	.027	.0004	.008	.0020	.0034
%RSD	.0238	.2906	.2814	.3525	.3319	1.951	.1224	.4495	1.638

#1	.4595	411.8	88.26	103.7	8.053	.0177	6.293	4.392	.2039
#2	.4596	411.7	87.82	104.1	8.103	.0180	6.305	4.382	.2089
#3	.4597	409.7	87.84	103.4	8.093	.0184	6.308	4.354	.2025

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0054	-0.0085	2.111	.0206	.8001	F 9.074	-0.0005	.7520	1.300
Stddev	.0032	.0036	.006	.0005	.0008	.001	.0013	.0018	.003
%RSD	59.28	42.23	.3087	2.317	.0960	.0156	237.0	.2349	.2458

#1	.0018	-.0054	2.115	.0210	.8000	9.073	-.0018	.7501	1.296
#2	.0079	-.0075	2.115	.0201	.8009	9.074	-.0005	.7523	1.300
#3	.0066	-.0124	2.104	.0208	.7994	9.076	.0007	.7535	1.302

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2439.6	6323.6	5102.3	4794.5
Stddev	1.8	7.1	49.	23.0
%RSD	.07390	.11220	.09632	.48073

#1	2441.6	6320.8	50985.	4789.2
#2	2438.0	6331.6	51006.	4774.5
#3	2439.3	6318.2	51079.	4819.7

Sample Name: FA32074-22 Acquired: 3/11/2016 20:47:47 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0010	301.5	.1222	3.983	.0118	111.4	.0259	.1707	.7061
Stddev	.0000	1.4	.0024	.013	.0001	.8	.0003	.0003	.0017
%RSD	3.688	.4514	1.937	.3234	.7084	.7253	1.033	.1792	.2441

#1	.0010	302.6	.1249	3.998	.0118	111.9	.0256	.1704	.7047
#2	.0010	301.8	.1212	3.976	.0117	111.8	.0259	.1710	.7080
#3	.0009	300.0	.1205	3.976	.0119	110.4	.0261	.1708	.7056

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.8496	428.6	91.72	100.8	7.706	.0282	2.606	4.899	3.420
Stddev	.0015	2.1	.45	.8	.021	.0003	.015	.0010	.008
%RSD	.1714	.4883	.4938	.7551	.2759	.9193	.5765	.2021	.2238

#1	.8507	429.9	92.14	101.4	7.707	.0285	2.621	4.887	3.421
#2	.8480	429.7	91.79	101.1	7.727	.0283	2.605	4.906	3.428
#3	.8503	426.2	91.24	99.93	7.685	.0280	2.591	4.902	3.413

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0073	-0.0061	2.861	.0853	.9639	F 12.58	-0.0017	.8271	4.740
Stddev	.0015	.0017	.005	.0002	.0031	.03	.0019	.0037	.018
%RSD	20.55	27.53	.1607	.2339	.3170	252.3	110.5	4.530	.3805

#1	.0088	-.0049	2.857	.0851	.9664	12.61	-.0035	8.268	4.755
#2	.0072	-.0054	2.860	.0855	.9647	12.55	-.0020	8.310	4.745
#3	.0058	-.0080	2.866	.0854	.9605	12.58	.0003	8.236	4.720

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2428.3	6203.0	4945.3	4602.9
Stddev	2.9	14.2	120.	42.8
%RSD	.12055	.22847	.24194	.93072

#1	2430.4	6208.4	49552.	4591.4
#2	2429.6	6213.6	49320.	4567.0
#3	2425.0	6186.9	49487.	4650.4

Sample Name: FA32074-23 Acquired: 3/11/2016 20:52:23 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	288.0	.1012	3.217	.0118	85.99	.0186	.1797	.5249
Stddev	.0003	.2	.0014	.004	.0001	.32	.0005	.0015	.0025
%RSD	144.2	.0794	1.385	.1264	.9587	.3777	2.467	.8247	.4761
#1	-.0005	288.2	.1013	3.219	.0117	85.87	.0185	.1792	.5263
#2	-.0002	287.8	.0998	3.220	.0119	86.35	.0183	.1786	.5264
#3	.0001	287.9	.1026	3.213	.0117	85.74	.0192	.1814	.5220
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5237	416.0	83.23	97.05	7.863	.0264	2.133	.4199	1.211
Stddev	.0007	.2	.02	.31	.037	.0004	.007	.0032	.015
%RSD	.1384	.0600	.0218	.3231	.4765	1.666	.3221	.7716	1.201
#1	.5244	416.3	83.25	96.94	7.901	.0263	2.129	.4193	1.211
#2	.5237	415.8	83.23	97.40	7.862	.0260	2.129	.4169	1.196
#3	.5229	416.0	83.21	96.80	7.826	.0269	2.141	.4233	1.225
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0049	-.0046	2.691	.0495	.7273	11.64	-.0032	8.136	3.016
Stddev	.0014	.0041	.017	.0006	.0026	.10	.0024	.0010	.016
%RSD	27.60	89.27	.6426	1.280	.3514	.8681	75.39	.1278	.5375
#1	.0034	-.0092	2.682	.0491	.7290	11.73	-.0007	8.124	3.013
#2	.0053	-.0017	2.680	.0491	.7244	11.65	-.0035	8.140	3.001
#3	.0060	-.0027	2.711	.0502	.7285	11.53	-.0054	8.144	3.033
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2490.4	6403.4	51493.	4828.9					
Stddev	23.2	32.4	219.	4.9					
%RSD	.93246	.50614	.42535	.10112					
#1	2495.7	6417.6	51258.	4826.5					
#2	2510.5	6426.3	51529.	4825.7					
#3	2465.0	6366.3	51691.	4834.5					

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Sample Name: FA32074-24 Acquired: 3/11/2016 20:56:58 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0011	296.6	.0887	3.002	.0124	80.01	.0123	.1751	.5151
Stddev	.0012	1.0	.0014	.016	.0001	.43	.0002	.0006	.0003
%RSD	116.1	.3421	1.599	.5432	1.193	.5329	1.386	.3344	.0509
#1	-.0004	295.7	.0883	2.985	.0125	79.85	.0124	.1757	.5149
#2	-.0025	297.7	.0902	3.017	.0123	80.50	.0121	.1748	.5149
#3	-.0003	296.5	.0875	3.004	.0123	79.69	.0122	.1747	.5154
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4814	429.4	91.76	101.6	6.799	.0260	2.236	.3991	.4571
Stddev	.0011	1.6	.56	.4	.027	.0002	.005	.0013	.0018
%RSD	.2280	.3615	.6137	.3514	.4012	.6140	.2202	.3210	.3928
#1	.4804	429.2	91.36	101.8	6.780	.0258	2.241	.4006	.4591
#2	.4812	431.0	92.41	101.8	6.830	.0261	2.236	.3983	.4558
#3	.4826	428.0	91.52	101.2	6.787	.0260	2.232	.3985	.4562
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0059	-.0086	2.967	.0269	.7053	F 13.23	.0005	.8329	1.800
Stddev	.0010	.0026	.008	.0005	.0015	.03	.0011	.0017	.003
%RSD	17.29	30.67	.2555	1.695	.2066	.2606	.235.9	.2032	.1478
#1	.0056	-.0064	2.970	.0274	.7046	13.19	.0018	.8311	1.803
#2	.0051	-.0079	2.958	.0266	.7070	13.24	.0001	.8331	1.798
#3	.0070	-.0115	2.973	.0266	.7043	13.25	-.0004	.8344	1.799
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2433.0	6433.1	51735.	4857.4					
Stddev	2.8	15.6	127.	18.8					
%RSD	.11337	.24237	.24581	.38606					
#1	2433.9	6415.1	51869.	4857.6					
#2	2429.9	6442.6	51616.	4838.5					
#3	2435.2	6441.5	51719.	4876.0					

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7.1
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Sample Name: CRIA Acquired: 3/11/2016 21:01:33 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0094	.2213	.0102	.1984	.0051	1.023	.0054	.0537	.0106
Stddev	.0003	.0044	.0003	.0008	.0002	.008	.0000	.0002	.0001
%RSD	2.749	1.975	3.301	.3832	3.120	.7540	.8664	.4425	1.248
#1	.0094	.2164	.0098	.1977	.0050	1.019	.0055	.0538	.0106
#2	.0091	.2224	.0104	.1982	.0050	1.018	.0054	.0534	.0105
#3	.0096	.2250	.0103	.1992	.0053	1.032	.0054	.0538	.0108
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0265	.3447	9.697	5.063	.0169	.0491	10.14	.0443	.0048
Stddev	.0001	.0083	.084	.036	.0001	.0002	.02	.0001	.0006
%RSD	.3965	2.394	.8654	.7204	.5777	.3496	.1851	.2804	11.57
#1	.0266	.3532	9.653	5.032	.0170	.0492	10.14	.0444	.0042
#2	.0265	.3440	9.643	5.053	.0168	.0489	10.13	.0442	.0049
#3	.0264	.3367	9.793	5.103	.0169	.0493	10.17	.0444	.0053
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0054	.0111	.0531	.0521	.0102	.0121	.0100	.0496	.0228
Stddev	.0011	.0004	.0006	.0000	.0000	.0002	.0007	.0001	.0001
%RSD	21.04	3.353	1.200	.0447	.1672	1.914	7.031	.2646	.6230
#1	.0067	.0115	.0530	.0521	.0102	.0124	.0100	.0495	.0229
#2	.0050	.0110	.0526	.0522	.0102	.0121	.0107	.0496	.0226
#3	.0045	.0108	.0538	.0521	.0102	.0119	.0093	.0497	.0228
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2684.9	5132.0	40998.	3684.0					
Stddev	4.3	10.2	103.	10.9					
%RSD	.16067	.19873	.25084	.29632					
#1	2684.5	5135.0	41115.	3692.8					
#2	2680.8	5140.4	40920.	3687.3					
#3	2689.4	5120.6	40960.	3671.8					

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Sample Name: ICESA Acquired: 3/11/2016 21:05:59 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-.0006	482.0	.0006	-.0044	.0001	464.9	.0018	-.0008
Stddev	.0001	3.3	.0009	.0002	.0000	1.3	.0001	.0001
%RSD	21.90	.6759	143.8	4.017	67.97	.2788	3.506	8.222
#1	-.0005	485.7	-.0004	-.0046	.0000	463.7	.0017	-.0007
#2	-.0008	479.4	.0008	-.0043	.0000	464.9	.0018	-.0009
#3	-.0005	480.9	.0014	-.0042	.0001	466.3	.0018	-.0009
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.0006	.0000	180.2	.4177	496.3	.0005	-.0007	.5223
Stddev	.0002	.000	.2	.0080	.5	.0000	.0001	.0059
%RSD	31.70	10250.	.1063	1.913	.0938	7.752	15.85	1.128
#1	.0008	.0003	180.4	.4253	496.8	.0005	-.0007	.5209
#2	.0004	.0000	180.1	.4094	496.2	.0006	-.0006	.5173
#3	.0007	-.0003	180.1	.4184	495.9	.0005	-.0008	.5288
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077</	

Sample Name: ICSA Acquired: 3/11/2016 21:05:59 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2143.7	4571.7	36273.	3541.2
Stddev	2.1	5.2	13.	3.4
%RSD	.10025	.11469	.03692	.09558
#1	2144.8	4568.5	36288.	3540.1
#2	2145.0	4577.7	36262.	3545.0
#3	2141.2	4568.8	36268.	3538.6

Sample Name: ICSAB Acquired: 3/11/2016 21:10:38 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F 1.080	F 502.4	1.132	5.129	5.199	482.2	1.006	4.893	5.259
Stddev	.004	3.0	.006	.0011	.0015	5.0	.004	.0007	.0022
%RSD	.3236	.5924	.5157	.2116	.2834	1.033	.3522	.1475	.4235
#1	1.083	503.3	1.138	5.128	5.213	480.8	1.010	4.901	5.255
#2	1.076	499.1	1.127	5.119	5.184	487.7	1.003	4.889	5.239
#3	1.081	504.8	1.132	5.140	5.199	478.1	1.005	4.889	5.283
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5.494	190.0	1.372	F 519.4	5.293	9.586	2.783	1.005	9.864
Stddev	.0017	.1	.0269	.6	.0018	.0019	.0087	.004	.0040
%RSD	.3034	.0299	19.58	.1224	.3366	.1973	3.108	.3445	.4082
#1	.5512	190.0	.1665	519.5	.5304	.9594	.2870	1.008	.9910
#2	.5480	190.0	.1136	520.0	.5272	.9565	.2783	1.001	.9846
#3	.5490	189.9	.1315	518.8	.5302	.9600	.2697	1.005	.9836
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.060	1.055	3.022	9.443	1.047	1.039	9.768	4.887	9.864
Stddev	.002	.001	.0016	.0016	.001	.004	.0022	.0016	.0018
%RSD	.1671	.1292	.5208	.1714	.0820	.3445	.2245	.3348	.1831
#1	1.059	1.057	.3041	.9454	1.047	1.042	.9789	4.899	9.885
#2	1.058	1.055	.3013	.9424	1.048	1.035	.9769	4.868	9.852
#3	1.061	1.054	.3014	.9450	1.046	1.040	.9745	4.893	9.855
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2069.6	4496.0	35437.	3427.2					
Stddev	1.3	5.2	106.	6.4					
%RSD	.06283	.11554	.29984	.18819					
#1	2069.6	4492.1	35328.	3428.8					
#2	2068.3	4501.9	35541.	3420.1					
#3	2070.9	4494.0	35442.	3432.7					

7.1
7

Sample Name: CCV Acquired: 3/11/2016 21:15:08 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.506	39.77	2.082	1.968	2.043	39.36	2.106	2.073	2.073
Stddev	.0009	.07	.003	.005	.006	.04	.001	.001	.006
%RSD	.3509	.1777	.1641	.2335	.2999	.1096	.0487	.0539	.2959
#1	.2504	39.75	2.079	1.963	2.038	39.34	2.105	2.072	2.080
#2	.2516	39.72	2.085	1.968	2.042	39.33	2.106	2.073	2.069
#3	.2498	39.85	2.084	1.972	2.050	39.41	2.107	2.075	2.070

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.008	39.51	37.99	39.25	2.121	2.079	39.87	2.126	2.046
Stddev	.003	.08	.04	.18	.004	.001	.16	.001	.002
%RSD	.1609	.1997	.0986	.4461	.2089	.0661	.4049	.0494	.0965
#1	2.010	39.47	37.96	39.44	2.124	2.078	39.72	2.126	2.047
#2	2.009	39.46	37.99	39.22	2.116	2.080	39.84	2.126	2.048
#3	2.004	39.60	38.03	39.09	2.123	2.079	40.04	2.127	2.044

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.077	2.055	2.028	2.085	2.070	2.116	2.072	2.118	2.046
Stddev	.003	.004	.002	.002	.007	.003	.007	.002	.002
%RSD	.1529	.2141	.0891	.0954	.3376	.1520	.3417	.0925	.0790
#1	2.075	2.061	2.029	2.086	2.064	2.116	2.068	2.117	2.047
#2	2.076	2.053	2.026	2.083	2.069	2.112	2.067	2.116	2.046
#3	2.081	2.053	2.030	2.085	2.078	2.119	2.080	2.120	2.044

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Sample Name: CCV Acquired: 3/11/2016 21:15:08 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2365.7	4880.8	39427.	3612.3
Stddev	2.8	7.1	79.	3.7
%RSD	.11683	.14490	.20044	.10205
#1	2366.4	4885.4	39447.	3616.5
#2	2368.1	4884.4	39493.	3610.5
#3	2362.7	4872.7	39339.	3609.8

Sample Name: CCB Acquired: 3/11/2016 21:19:21 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0087	.0005	.0003	.0001	.0130	.0001	.0000	.0001
Stddev	.0002	.0016	.0005	.0004	.0000	.0029	.0000	.0000	.0000
%RSD	250.3	18.32	104.1	102.5	4.776	22.30	20.47	88.36	20.43
#1	.0004	.0080	.0003	.0000	.0001	.0150	.0001	.0000	.0001
#2	-.0001	.0076	.0011	.0007	.0001	.0097	.0001	.0000	.0002
#3	.0000	.0106	.0001	.0003	.0001	.0143	.0001	.0000	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0200	.0159	.0010	.0002	F-.0014	.0360	.0001	-.0006
Stddev	.0000	.0046	.0243	.0098	.0000	.0002	.0053	.0002	.0004
%RSD	3.014	23.05	153.1	950.8	20.78	10.99	14.80	277.9	70.09
#1	.0003	.0251	-.0101	.0061	.0002	.0015	.0319	.0001	-.0001
#2	.0004	.0187	.0381	-.0103	.0002	.0015	.0421	.0002	-.0008
#3	.0004	.0162	.0198	.0073	.0001	.0012	.0341	-.0001	-.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit .0010
 Low Limit -.0010

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	.0013	-.0004	.0003	.0002	.0005	-.0002	.0001	.0002
Stddev	.0004	.0008	.0005	.0003	.0001	.0001	.0008	.0002	.0001
%RSD	55.07	61.62	119.8	133.3	26.35	18.04	394.3	227.9	43.48
#1	.0012	.0023	-.0001	.0001	.0002	.0005	-.0003	.0002	.0003
#2	.0008	.0008	-.0002	.0006	.0002	.0005	-.0009	.0002	.0002
#3	.0003	.0009	-.0009	.0000	.0003	.0004	.0006	-.0001	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/11/2016 21:19:21 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2786.8	5171.8	42029.	3740.2
Stddev	3.2	5.4	72.	9.4
%RSD	.11319	.10370	.17144	.25234
#1	2783.1	5167.0	41951.	3729.3
#2	2788.7	5177.6	42043.	3745.6
#3	2788.5	5170.7	42093.	3745.7

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000011	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000083	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000059	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000093	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000011	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000013	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000121	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	0.000006	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000030	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000074	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000023	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	-0.000015	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000035	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	0.000002	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000016	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.000306	0.584647	0.000000	1.000000
Al 396.152 { 85}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.000407	0.227093	0.000000	1.000000
As 189.042 {478}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.000555	0.181596	0.000000	1.000000
Ba 455.403 { 74}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.002147	8.445395	0.000000	1.000000
Be 313.042 {108}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.001047	11.890129	0.000000	1.000000
Ca 317.933 {106}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.005958	0.259160	0.000000	1.000000
Cd 226.502 {449}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.001135	4.790261	0.000000	1.000000
Co 228.616 {447}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.000675	2.591020	0.000000	1.000000
Cr 267.716 {126}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.000178	0.549118	0.000000	1.000000
Cu 324.754 {104}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.005938	0.892774	0.000000	1.000000
Fe 259.940 {130}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.001773	0.177363	0.000000	1.000000
In 230.606 {446}*	3/11/2016 4:46:39	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.011101	0.098356	0.000000	1.000000
Mg 279.079 {121}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.000413	0.028282	0.000000	1.000000
Mn 257.610 {131}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.000618	2.942376	0.000000	1.000000
Mo 202.030 {467}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.001323	1.123308	0.000000	1.000000
Na 589.592 { 57}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.017787	0.417907	0.000000	1.000000
Ni 231.604 {445}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.000399	1.542703	0.000000	1.000000
Pb 220.353 {453}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.000003	0.868063	0.000000	1.000000
Sb 206.833 {463}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.000989	0.249940	0.000000	1.000000
Se 196.090 {472}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.000228	0.130217	0.000000	1.000000
Si 212.412 {459}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.005511	0.331351	0.000000	1.000000
Sn 189.989 {477}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.000547	0.407296	0.000000	1.000000
Sr 407.771 { 83}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.001152	16.003285	0.000000	1.000000
Ti 334.941 {101}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.001662	2.062286	0.000000	1.000000
Tl 190.856 {477}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.001665	0.301441	0.000000	1.000000
V 292.402 {115}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.000820	0.732098	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.000931	2.386152	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999940	0.000062	0.000382	0.001272	OK	1.000000	0.000000	1	0
Al 396.152 {85}	0.999779	0.007714	0.009174	0.030579	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999936	0.000165	0.000800	0.002666	OK	1.000000	0.000000	1	0
Ba 455.403 {74}	0.999965	0.005697	0.000309	0.001029	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999994	0.003374	0.000073	0.000242	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999668	0.010759	0.003828	0.012762	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999964	0.003258	0.000048	0.000161	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999975	0.001483	0.000099	0.000331	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999906	0.000607	0.000256	0.000852	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999999	0.000073	0.000233	0.000776	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999536	0.008707	0.002820	0.009402	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 {44}	0.999895	0.002295	0.035206	0.117354	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999651	0.001204	0.023004	0.076680	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999735	0.005460	0.000043	0.000142	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999954	0.000872	0.000133	0.000443	OK	1.000000	0.000000	1	0
Na 589.592 {57}	0.999876	0.010585	0.008897	0.029656	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999960	0.001115	0.000170	0.000565	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999929	0.000839	0.000579	0.001931	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999943	0.000215	0.000946	0.003154	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999955	0.000099	0.001643	0.005476	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.999023	0.001180	0.000505	0.001685	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999859	0.000552	0.000304	0.001012	OK	1.000000	0.000000	1	0
Sr 407.771 {83}	0.999988	0.006235	0.000104	0.000348	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999919	0.002120	0.000103	0.000344	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999998	0.000045	0.000965	0.003216	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999980	0.000366	0.000243	0.000810	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 {94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 {91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999933	0.002230	0.000072	0.000241	OK	1.000000	0.000000	1	0

Sample Name: Blank Acquired: 4/21/2016 9:40:24 Type: Cal
Method: 60102007_042011(v72) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elements: Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 4 rows (Units, Avg, Stddev, %RSD) for each element, plus 3 replicate rows (#1, #2, #3) and Int. Std. Units, Avg, Stddev, %RSD.

Sample Name: LowStd Acquired: 4/21/2016 9:44:34 Type: Cal
Method: 60102007_042011(v72) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elements: Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 4 rows (Units, Avg, Stddev, %RSD) for each element, plus 3 replicate rows (#1, #2, #3) and Int. Std. Units, Avg, Stddev, %RSD.

Sample Name: MidStd Acquired: 4/21/2016 9:49:03 Type: Cal
Method: 60102007_042011(v72) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elements: Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 4 rows (Units, Avg, Stddev, %RSD) for each element, plus 3 replicate rows (#1, #2, #3) and Int. Std. Units, Avg, Stddev, %RSD.

Sample Name: HighStd Acquired: 4/21/2016 9:52:40 Type: Cal
Method: 60102007_042011(v72) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elements: Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 4 rows (Units, Avg, Stddev, %RSD) for each element, plus 3 replicate rows (#1, #2, #3) and Int. Std. Units, Avg, Stddev, %RSD.

Sample Name: HSTD Acquired: 4/21/2016 9:56:37 Type: QC
 Method: 60102007_042011(v72) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.955	79.05	3.962	3.947	3.940	78.94	3.929	3.933	3.936
Stddev	.0015	.34	.012	.013	.006	.13	.005	.005	.005
%RSD	.2939	.4320	.2978	.3287	.1414	.1644	.1215	.1175	.1376
#1	.4971	78.68	3.974	3.933	3.933	78.83	3.931	3.938	3.942
#2	.4943	79.11	3.962	3.950	3.941	78.89	3.931	3.933	3.933
#3	.4951	79.35	3.950	3.959	3.944	79.08	3.923	3.929	3.932

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.956	78.70	79.42	79.24	3.937	3.954	79.40	3.919	3.989
Stddev	.013	.25	.48	.25	.008	.006	.20	.004	.008
%RSD	.3341	.3139	.6107	.3182	.2056	.1647	.2502	.0883	.1911
#1	3.969	78.45	78.92	79.07	3.944	3.961	79.17	3.921	3.991
#2	3.943	78.72	79.45	79.11	3.928	3.953	79.54	3.921	3.996
#3	3.955	78.94	79.89	79.53	3.938	3.948	79.47	3.915	3.981

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.956	3.959	4.573	3.912	3.931	3.946	3.955	3.950	3.932
Stddev	.010	.009	.011	.004	.009	.013	.014	.008	.005
%RSD	.2576	.2271	.2438	.0961	.2427	.3307	.3565	.1927	.1408
#1	3.965	3.970	4.584	3.916	3.920	3.953	3.957	3.954	3.935
#2	3.958	3.955	4.571	3.910	3.935	3.931	3.969	3.941	3.936
#3	3.945	3.953	4.562	3.910	3.937	3.955	3.941	3.955	3.926

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 4/21/2016 9:56:37 Type: QC
 Method: 60102007_042011(v72) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2409.3	5338.7	41411.	3313.3
Stddev	7.6	11.2	137.	20.8
%RSD	.31369	.20902	.33125	.62782
#1	2410.9	5332.9	41258.	3333.1
#2	2401.0	5331.7	41451.	3315.1
#3	2415.9	5351.6	41524.	3291.6

Sample Name: ICV Acquired: 4/21/2016 10:02:46 Type: QC
 Method: 60102007_042011(v72) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.458	41.13	1.989	2.066	2.052	41.89	2.032	2.043	2.038
Stddev	.0013	.19	.005	.008	.011	.26	.003	.003	.004
%RSD	.5099	.4633	.2473	.3947	.5177	.6270	.1402	.1364	.2230
#1	.2449	41.21	1.983	2.065	2.059	42.10	2.029	2.039	2.043
#2	.2472	40.91	1.992	2.058	2.040	41.60	2.034	2.044	2.034
#3	.2452	41.27	1.992	2.074	2.057	41.98	2.034	2.045	2.037

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.007	41.44	41.63	42.24	2.100	1.934	41.90	2.044	2.013
Stddev	.007	.25	.25	.41	.004	.001	.24	.005	.003
%RSD	.3571	.5939	.6054	.9602	.1751	.0579	.5779	.2327	.1397
#1	2.001	41.64	41.83	42.41	2.104	1.934	42.11	2.038	2.013
#2	2.015	41.17	41.35	41.78	2.098	1.933	41.63	2.046	2.010
#3	2.006	41.51	41.71	42.54	2.097	1.935	41.94	2.046	2.016

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.010	2.028	10.15	2.057	1.948	1.973	2.074	1.917	2.049
Stddev	.005	.002	.0021	.001	.011	.003	.006	.005	.003
%RSD	.2633	.1037	2.062	.0560	.5600	.1653	.3005	.2808	.1468
#1	2.004	2.026	10.05	2.057	1.955	1.977	2.069	1.922	2.046
#2	2.013	2.029	10.39	2.056	1.935	1.971	2.072	1.917	2.052
#3	2.013	2.030	10.00	2.058	1.954	1.972	2.081	1.912	2.050

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 4/21/2016 10:02:46 Type: QC
 Method: 60102007_042011(v72) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2558.8	5477.3	41976.	3316.9
Stddev	10.2	10.9	109.	39.4
%RSD	.39699	.19843	.26011	1.1871
#1	2565.3	5489.8	41851.	3278.4
#2	2563.9	5472.1	42055.	3357.1
#3	2547.1	5470.0	42022.	3315.2

Sample Name: ICB Acquired: 4/21/2016 10:09:57 Type: QC
 Method: 60102007_042011(v72) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0032	-0.003	.0000	-0.0001	-0.0052	-0.0001	-0.0002	-0.0002
Stddev	.0002	.0082	.0009	.000	.0000	.0050	.0000	.0001	.0002
%RSD	374.5	253.4	361.4	935.3	31.61	96.65	41.54	35.87	111.5
#1	.0003	.0088	-.0013	.0001	-.0001	-.0009	-.0001	-.0002	-.0003
#2	.0000	.0071	.0005	.0000	-.0001	-.0039	-.0001	-.0003	.0001
#3	-.0001	-.0062	.0000	-.0002	-.0002	-.0107	-.0002	-.0001	-.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	-0.0078	-0.236	.0199	-0.0004	-0.0008	.0103	-0.0004	-0.0008
Stddev	.0002	.0028	.0488	.0228	.0001	.0001	.0048	.0001	.0006
%RSD	60.67	36.65	206.8	114.7	19.51	14.12	47.07	17.78	76.07
#1	-.0003	-.0048	.0028	.0447	-.0003	-.0008	.0135	-.0004	-.0009
#2	-.0005	-.0104	-.0799	.0000	-.0004	-.0006	.0126	-.0003	-.0013
#3	-.0001	-.0081	.0063	.0148	-.0004	-.0008	.0047	-.0004	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	.0001	-0.0005	-0.0002	-0.0001	-0.0008	-0.0003	-0.0004	-0.0002
Stddev	.0001	.0016	.0007	.0001	.0002	.0000	.0001	.0002	.0001
%RSD	13.92	1528.	124.4	80.08	104.6	3.569	45.54	37.30	36.45
#1	.0008	-.0010	.0002	-.0003	.0000	-.0007	-.0002	-.0002	-.0001
#2	.0009	-.0006	-.0010	.0000	-.0002	-.0008	-.0004	-.0004	-.0002
#3	.0007	.0019	-.0008	-.0002	-.0002	-.0008	-.0002	-.0005	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 4/21/2016 10:09:57 Type: QC
 Method: 60102007_042011(v72) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2972.2	5754.3	44518.	3445.9
Stddev	12.5	14.8	128.	11.3
%RSD	.42095	.25707	.28824	.32857
#1	2961.6	5746.5	44595.	3453.2
#2	2986.0	5771.3	44370.	3451.7
#3	2969.0	5744.9	44590.	3432.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	-0.0078	-0.236	.0199	-0.0004	-0.0008	.0103	-0.0004	-0.0008
Stddev	.0002	.0028	.0488	.0228	.0001	.0001	.0048	.0001	.0006
%RSD	60.67	36.65	206.8	114.7	19.51	14.12	47.07	17.78	76.07
#1	-.0003	-.0048	.0028	.0447	-.0003	-.0008	.0135	-.0004	-.0009
#2	-.0005	-.0104	-.0799	.0000	-.0004	-.0006	.0126	-.0003	-.0013
#3	-.0001	-.0081	.0063	.0148	-.0004	-.0008	.0047	-.0004	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	.0001	-0.0005	-0.0002	-0.0001	-0.0008	-0.0003	-0.0004	-0.0002
Stddev	.0001	.0016	.0007	.0001	.0002	.0000	.0001	.0002	.0001
%RSD	13.92	1528.	124.4	80.08	104.6	3.569	45.54	37.30	36.45
#1	.0008	-.0010	.0002	-.0003	.0000	-.0007	-.0002	-.0002	-.0001
#2	.0009	-.0006	-.0010	.0000	-.0002	-.0008	-.0004	-.0004	-.0002
#3	.0007	.0019	-.0008	-.0002	-.0002	-.0008	-.0002	-.0005	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CRIA Acquired: 4/21/2016 10:13:38 Type: QC
 Method: 60102007_042011(v72) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0093	.2220	.0098	.2106	.0049	1.100	.0054	.0553	.0107
Stddev	.0008	.0059	.0004	.0008	.0001	.014	.0001	.0003	.0000
%RSD	8.705	2.668	3.999	.3947	2.794	1.293	1.184	.5872	.2391
#1	.0101	.2180	.0102	.2115	.0051	1.115	.0054	.0551	.0107
#2	.0091	.2191	.0099	.2098	.0048	1.099	.0053	.0550	.0107
#3	.0085	.2288	.0094	.2105	.0049	1.087	.0054	.0556	.0107

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0268	.3051	10.29	5.396	.0165	.0504	10.51	.0445	.0049
Stddev	.0001	.0031	.08	.043	.0001	.0001	.07	.0002	.0003
%RSD	.2543	1.022	.7895	.7871	.5578	.1305	.6717	.5338	5.489
#1	.0267	.3020	10.38	5.364	.0164	.0503	10.57	.0444	.0047
#2	.0268	.3050	10.22	5.379	.0166	.0504	10.51	.0443	.0048
#3	.0268	.3082	10.28	5.444	.0164	.0505	10.43	.0447	.0052

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046	.0094	.0118	.0547	.0101	.0093	.0108	.0504	.0236
Stddev	.0009	.0018	.0002	.0000	.0001	.0001	.0012	.0002	.0002
%RSD	19.52	19.17	2.023	.0654	.9857	.5519	11.23	.3025	.9557
#1	.0036	.0079	.0115	.0547	.0100	.0094	.0099	.0502	.0235
#2	.0048	.0089	.0119	.0547	.0102	.0093	.0103	.0503	.0234
#3	.0053	.0114	.0119	.0548	.0101	.0093	.0122	.0505	.0239

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 4/21/2016 10:13:38 Type: QC
 Method: 60102007_042011(v72) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2894.6	5729.7	43694.	3411.3
Stddev	6.7	11.6	56.	10.6
%RSD	.23292	.20269	.12726	.31081
#1	2889.9	5735.4	43705.	3415.4
#2	2902.3	5737.3	43743.	3399.2
#3	2891.7	5716.3	43634.	3419.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0268	.3051	10.29	5.396	.0165	.0504	10.51	.0445	.0049
Stddev	.0001	.0031	.08	.043	.0001	.0001	.07	.0002	.0003
%RSD	.2543	1.022	.7895	.7871	.5578	.1305	.6717	.5338	5.489
#1	.0267	.3020	10.38	5.364	.0164	.0503	10.57	.0444	.0047
#2	.0268	.3050	10.22	5.379	.0166	.0504	10.51	.0443	.0048
#3	.0268	.3082	10.28	5.444	.0164	.0505	10.43	.0447	.0052

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046	.0094	.0118	.0547	.0101	.0093	.0108	.0504	.0236
Stddev	.0009	.0018	.0002	.0000	.0001	.0001	.0012	.0002	.0002
%RSD	19.52	19.17	2.023	.0654	.9857	.5519	11.23	.3025	.9557
#1	.0036	.0079	.0115	.0547	.0100	.0094	.0099	.0502	.0235
#2	.0048	.0089	.0119	.0547	.0102	.0093	.0103	.0503	.0234
#3	.0053	.0114	.0119	.0548	.0101	.0093	.0122	.0505	.0239

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSEA Acquired: 4/21/2016 10:19:19 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	499.3	-0.014	-0.006	-0.004	490.3	-0.001	-0.004	-0.004
Stddev	.0006	3.0	.0021	.0001	.0001	4.1	.0001	.0001	.0002
%RSD	171.9	.6038	150.4	15.29	15.13	.8359	224.7	25.34	53.83
#1	-0.006	502.2	-0.017	-0.006	-0.004	494.7	.0000	-0.006	-0.003
#2	-0.008	499.6	.0008	-0.005	-0.004	489.4	-0.002	-0.004	-0.006
#3	.0003	496.2	-0.032	-0.007	-0.005	486.6	.0000	-0.004	-0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	188.8	.0669	517.8	-0.008	-0.007	.2301	.0000	.0002
Stddev	.0002	.6	.0681	2.1	.0000	.0004	.0133	.0002	.0013
%RSD	414.2	.2929	101.8	.4147	3.343	58.52	5.788	504.7	797.9
#1	-0.002	189.1	-0.032	518.2	-0.008	-0.011	.2164	-0.001	.0004
#2	-0.002	189.0	.1328	519.8	-0.008	-0.007	.2308	.0001	-0.013
#3	.0002	188.1	.0712	515.5	-0.008	-0.003	.2430	.0002	.0013

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	.0009	.0622	F .0012	-0.002	-0.017	-0.002	-0.004	-0.027
Stddev	.0018	.0020	.0011	.0005	.0001	.0001	.0025	.0002	.0001
%RSD	216.8	216.0	1.703	36.79	72.00	3.365	1129.	43.89	2.466
#1	.0013	-0.010	.0628	.0009	-0.003	-0.017	-0.010	-0.002	-0.027
#2	.0024	.0008	.0610	.0011	.0000	-0.016	.0026	-0.005	-0.027
#3	-0.012	.0031	.0629	.0017	-0.002	-0.017	-0.022	-0.004	-0.026

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSEA Acquired: 4/21/2016 10:19:19 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2320.1	5105.0	3832.7	3179.1
Stddev	2.4	11.0	46.	14.3
%RSD	.10402	.21463	.12114	.45104
#1	2321.8	5095.6	38314.	3168.0
#2	2317.3	5102.5	38289.	3174.0
#3	2321.2	5117.0	38379.	3195.3

Sample Name: ICSAB Acquired: 4/21/2016 10:24:20 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.049	497.8	1.096	.5262	.5136	479.8	.9767	.4833	.5153
Stddev	.003	7.7	.003	.0013	.0036	2.4	.0009	.0004	.0014
%RSD	.2652	1.554	.2829	.2519	.6926	.4967	.0886	.0834	.2621
#1	1.050	500.3	1.093	.5270	.5155	480.9	.9774	.4829	.5159
#2	1.046	489.1	1.094	.5247	.5095	477.1	.9758	.4832	.5161
#3	1.051	503.9	1.099	.5270	.5158	481.5	.9770	.4837	.5137

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5525	187.7	.0462	506.3	.5174	.9590	.2405	.9742	.9704
Stddev	.0016	.6	.0233	1.2	.0014	.0018	.0101	.0002	.0014
%RSD	.2882	.3379	50.47	.2380	.2698	.1848	4.194	.0182	.1405
#1	.5542	187.6	.0356	506.6	.5182	.9589	.2401	.9743	.9705
#2	.5512	187.2	.0730	504.9	.5182	.9572	.2508	.9740	.9690
#3	.5520	188.4	.0301	507.3	.5158	.9608	.2306	.9744	.9717

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.035	1.036	.0977	.9421	1.031	1.012	.9608	.4812	.9763
Stddev	.000	.006	.0005	.0016	.004	.002	.0056	.0011	.0008
%RSD	.0427	.5858	.5348	.1704	.4358	.2166	.5839	.2314	.0832
#1	1.035	1.035	.0983	.9424	1.028	1.014	.9672	.4818	.9773
#2	1.034	1.030	.0976	.9404	1.028	1.012	.9566	.4818	.9758
#3	1.035	1.042	.0973	.9436	1.036	1.009	.9586	.4799	.9760

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 4/21/2016 10:24:20 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2285.9	5075.0	38521.	3199.6
Stddev	2.6	7.8	198.	14.9
%RSD	.11308	.15417	.51356	.46545
#1	2283.6	5077.1	38442.	3199.2
#2	2288.7	5081.5	38375.	3214.7
#3	2285.3	5066.3	38746.	3184.9

Sample Name: CCV Acquired: 4/21/2016 10:30:42 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.494	39.23	2.001	1.960	1.971	39.21	2.014	2.005	1.988
Stddev	.0011	.15	.003	.010	.010	.23	.003	.003	.003
%RSD	.4248	.3713	.1266	.5277	.4954	.5797	.1354	.1246	.1430
#1	.2500	39.40	1.998	1.972	1.982	39.47	2.014	2.005	1.992
#2	.2501	39.13	2.003	1.953	1.964	39.10	2.016	2.008	1.986
#3	.2482	39.17	2.002	1.956	1.967	39.06	2.011	2.003	1.987

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.992	38.63	39.19	38.90	2.018	1.990	39.67	2.020	1.982
Stddev	.004	.18	.14	.18	.004	.001	.22	.004	.007
%RSD	.1932	.4759	.3661	.4705	.2176	.0432	.5587	.1775	.3359
#1	1.996	38.84	39.35	39.10	2.023	1.989	39.92	2.018	1.984
#2	1.989	38.52	39.07	38.76	2.015	1.991	39.50	2.025	1.987
#3	1.991	38.52	39.16	38.83	2.016	1.989	39.58	2.019	1.975

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.013	2.007	1.436	2.010	1.977	2.004	2.005	1.984	2.018
Stddev	.002	.004	.002	.002	.009	.004	.011	.003	.004
%RSD	.0935	.1847	.1155	.1163	.4649	.1890	.5525	.1425	.2056
#1	2.012	2.008	1.436	2.008	1.987	2.008	2.017	1.987	2.014
#2	2.015	2.011	1.438	2.012	1.974	2.002	2.004	1.983	2.022
#3	2.012	2.003	1.435	2.010	1.970	2.001	1.995	1.982	2.017

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/21/2016 10:30:42 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2607.8	5525.3	43042.	3428.8
Stddev	11.3	7.7	48.	13.1
%RSD	.43465	.13994	.11246	.38285
#1	2597.0	5520.0	43042.	3414.1
#2	2605.8	5521.7	43091.	3432.9
#3	2619.5	5534.1	42994.	3439.4

Sample Name: CCB Acquired: 4/21/2016 10:36:46 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	-0.0028	.0002	-0.0002	-0.0002	.0036	-0.0001	-0.0001	-0.0004
Stddev	.0006	.0067	.0004	.0003	.0000	.0029	.0001	.0001	.0002
%RSD	137.1	241.3	249.8	164.8	7.581	82.22	100.9	71.49	47.73
#1	-.0001	-.0071	.0004	-.0005	-.0002	.0064	.0000	.0000	-.0004
#2	.0004	.0049	-.0003	.0000	-.0002	.0006	-.0001	-.0002	-.0002
#3	.0010	-.0061	.0005	.0000	-.0002	.0037	-.0002	-.0001	-.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.0021	.0279	.0153	-0.0003	-0.0009	.0211	.0000	-0.0005
Stddev	.000	.0059	.0155	.0127	.0000	.0001	.0055	.000	.0003
%RSD	1196.	287.7	55.34	82.65	11.50	16.88	26.02	7.582	54.63
#1	.0000	.0043	.0351	.0130	-.0003	-.0007	.0173	.0000	-.0002
#2	.0001	-.0029	.0102	.0290	-.0003	-.0010	.0185	-.0001	-.0006
#3	-.0001	-.0075	.0385	.0040	-.0003	-.0009	.0274	.0000	-.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0007	.0007	.0001	.0000	-0.0003	-0.0009	.0003	-0.0004	.0002
Stddev	.0011	.0011	.0002	.000	.0001	.0001	.0010	.0002	.0002
%RSD	154.3	150.2	167.9	135.5	44.03	10.72	283.6	45.93	135.1
#1	.0003	.0019	.0001	.0000	-.0002	-.0008	.0012	-.0005	.0001
#2	-.0006	.0003	.0004	-.0001	-.0002	-.0009	.0006	-.0005	.0000
#3	-.0018	-.0001	-.0001	-.0001	-.0004	-.0009	-.0007	-.0002	.0004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/21/2016 10:36:46 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3029.2	5748.1	44844.	3375.9
Stddev	2.2	8.0	265.	5.9
%RSD	.07167	.13859	.59128	.17499
#1	3027.1	5756.8	44539.	3378.1
#2	3029.2	5746.0	44970.	3380.5
#3	3031.5	5741.3	45022.	3369.3

Sample Name: FA33180-8 Acquired: 4/21/2016 10:41:36 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	6.934	0.150	0.059	0.010	40.97	0.009	0.126	0.171
Stddev	0.000	0.040	0.005	0.002	0.001	0.10	0.000	0.002	0.004
%RSD	2.070	0.5831	3.229	4.027	15.64	2.380	3.918	1.656	2.380
#1	-0.003	6.979	0.147	0.057	0.011	41.06	0.009	0.129	0.167
#2	-0.003	6.921	0.156	0.051	0.009	40.97	0.009	0.125	0.175
#3	-0.003	6.902	0.148	0.058	0.008	40.87	0.009	0.125	0.170
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0074	21.36	1.966	11.46	5.491	0.006	2.033	0.0447	0.0091
Stddev	0.002	0.09	0.081	0.13	0.023	0.002	0.024	0.004	0.009
%RSD	3.125	0.4238	4.120	1.122	0.4198	32.58	1.172	0.7871	10.30
#1	0.0076	21.47	1.951	11.60	5.504	0.007	2.055	0.049	0.0084
#2	0.0071	21.31	2.054	11.43	5.464	0.008	2.037	0.043	0.0102
#3	0.0075	21.31	1.894	11.35	5.504	0.004	2.007	0.049	0.0088
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0007	0.004	7.083	-0.009	0.3170	0.0816	-0.0023	0.0306	0.2349
Stddev	0.010	0.0034	0.15	0.003	0.0016	0.012	0.001	0.000	0.005
%RSD	154.9	850.8	2.177	30.45	0.5080	1.492	2.876	1.125	2.149
#1	0.0004	0.001	7.074	-0.007	0.3189	0.802	-0.023	0.0306	0.2346
#2	-0.0008	-0.0028	7.074	-0.009	0.3160	0.820	-0.023	0.0306	0.2355
#3	-0.0016	0.0039	7.101	-0.012	0.3163	0.825	-0.022	0.0305	0.2347
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2914.4	6496.1	50788.	3908.2					
Stddev	5.4	12.2	190.	16.1					
%RSD	0.18364	0.18757	0.37417	0.41321					
#1	2908.6	6487.2	50573.	3897.0					
#2	2915.7	6510.0	50935.	3900.7					
#3	2919.0	6491.1	50855.	3926.7					

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Sample Name: FA33214-1 Acquired: 4/21/2016 10:45:58 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	0.046	1.711	-0.122	0.029	-0.124	1431.	-0.062	-0.018
Stddev	0.164	0.187	0.160	0.063	0.028	4.	0.007	0.024
%RSD	355.8	10.91	131.6	27.62	22.47	0.3043	10.89	133.5
#1	-0.135	1.496	-0.249	0.176	-0.150	1434.	-0.069	-0.002
#2	0.184	1.832	-0.058	0.299	-0.095	1426.	-0.055	-0.046
#3	0.090	1.804	-0.175	0.212	-0.128	1434.	-0.061	-0.007
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.0091	0.0312	1.463	73.98	384.8	4.686	0.635	22420.
Stddev	0.042	0.062	0.069	1.06	2.4	0.009	0.029	200.
%RSD	46.45	20.00	4.698	1.439	0.6203	0.2022	4.513	0.8912
#1	-0.0051	0.0365	1.481	74.31	386.1	4.696	0.609	22590.
#2	-0.0135	0.0328	1.522	72.79	382.0	4.684	0.666	22480.
#3	-0.0087	0.0243	1.388	74.85	386.3	4.677	0.632	22200.
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	-0.0049	-0.0063	-0.0017	0.0254	4.743	-0.104	27.34	0.121
Stddev	0.061	0.192	0.127	0.169	0.003	0.048	0.05	0.010
%RSD	125.1	303.6	771.2	66.56	0.0579	45.86	0.1996	8.319
#1	-0.0115	0.107	0.011	0.043	4.742	-0.063	27.33	0.128
#2	0.0008	-0.271	-0.015	0.198	4.746	-0.092	27.29	0.109
#3	-0.0041	-0.026	0.095	0.119	4.741	-0.156	27.40	0.126
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	-0.0078	-0.0156	0.3247					
Stddev	0.420	0.098	0.007					
%RSD	538.0	62.44	2.218					
#1	0.130	-0.111	0.3239					
#2	0.197	-0.090	0.3251					
#3	-0.0562	-0.268	0.3252					

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7.2
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Sample Name: FA33214-1 Acquired: 4/21/2016 10:45:58 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2333.7	5104.7	38110.	3345.3
Stddev	4.5	11.9	103.	14.5
%RSD	0.19208	0.23265	0.26948	0.43366
#1	2336.0	5109.3	37998.	3329.0
#2	2328.5	5091.2	38134.	3356.9
#3	2336.5	5113.6	38199.	3350.0

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Sample Name: MP30257-D1 Acquired: 4/21/2016 10:50:30 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.010	1.338	0.0037	0.109	-0.148	1437.	-0.059	-0.072
Stddev	0.109	0.109	0.065	0.124	0.016	22.	0.019	0.034
%RSD	1065.	8.107	174.8	113.9	11.10	1.528	32.20	47.23
#1	0.106	1.327	-0.005	-0.009	-0.166	1418.	-0.037	-0.056
#2	-0.110	1.236	0.112	0.097	-0.144	1431.	-0.072	-0.111
#3	-0.027	1.452	0.004	0.238	-0.133	1461.	-0.069	-0.048
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	-0.0070	0.0287	1.211	80.12	387.6	4.825	0.606	21460.
Stddev	0.059	0.044	0.072	2.19	5.8	0.074	0.044	288.
%RSD	84.68	15.40	5.944	2.733	1.486	1.533	7.235	1.344
#1	-0.002	0.038	1.163	78.03	383.9	4.877	0.655	21400.
#2	-0.0105	0.262	1.176	79.95	384.7	4.740	0.570	21210.
#3	-0.0104	0.262	1.294	82.40	394.2	4.858	0.594	21770.
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	-0.0086	-0.0345	-0.0179	0.0114	4.556	-0.0044	27.23	0.112
Stddev	0.015	0.174	0.0241	0.0359	0.071	0.0143	0.44	0.043
%RSD	17.01	50.44	134.6	314.2	1.549	324.1	1.616	38.11
#1	-0.0080	-0.169	-0.0374	0.0365	4.636	-0.0207	26.87	0.077
#2	-0.0075	-0.0518	0.090	0.0274	4.504	0.0013	27.11	0.099
#3	-0.0103	-0.0349	-0.0253	-0.0297	4.527	0.0061	27.72	0.159
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	-0.0242	-0.0111	0.3476					
Stddev	0.077	0.015	0.020					
%RSD	31.78	13.93	0.5708					
#1	-0.0155	-0.029	0.3497					
#2	-0.0299	-0.0104	0.3457					
#3	-0.0273	-0.0101	0.3473					

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Sample Name: MP30257-D1 Acquired: 4/21/2016 10:50:30 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 25.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2310.1	5080.1	36978.	3331.8
Stddev	25.6	53.3	424.	52.2
%RSD	1.1100	1.0483	1.1456	1.5679
#1	2284.5	5023.5	36904.	3376.1
#2	2335.7	5129.2	37433.	3345.2
#3	2310.1	5087.6	36596.	3274.2

Sample Name: MP30257-S1 Acquired: 4/21/2016 10:55:04 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 25.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	0.543	28.52	2.166	2.074	0.396	1439.	0.466	0.576
Stddev	0.029	.18	.020	.008	.0023	2.	.0016	.0015
%RSD	5.284	.6235	.9173	.3778	5.707	.1603	3.451	.2881
#1	.0575	28.32	2.188	2.073	.0416	1441.	.0465	.5062
#2	.0520	28.66	2.150	2.082	.0372	1438.	.0482	.5075
#3	.0534	28.57	2.160	2.066	.0400	1436.	.0450	.5091
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	2045	2941	27.47	108.0	404.7	9930	5510	F 20530.
Stddev	0.089	0.047	.11	1.0	2.4	.0024	.0051	56.
%RSD	4.369	1.604	.4082	.9342	.5865	.2431	.9275	.2752
#1	2147	2980	27.46	106.9	403.8	.9958	.5451	20490.
#2	2009	2954	27.36	108.2	402.9	.9916	.5540	20600.
#3	1979	2888	27.59	108.9	407.4	.9916	.5540	20510.
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	5162	4754	5287	2.223	4.768	4918	27.22	5092
Stddev	0.040	0.060	0.059	.019	.019	0.0090	.07	0.0055
%RSD	.7761	1.260	10.76	.8522	.4073	1.821	.2661	1.085
#1	5126	4815	5526	2.242	4.757	4963	27.27	5154
#2	5205	4752	5698	2.222	4.758	4814	27.13	5074
#3	5155	4695	4638	2.204	4.791	4975	27.25	5049
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	1.926	4991	9395					
Stddev	.020	0.053	0.046					
%RSD	1.056	1.059	4869					
#1	1.950	4939	9356					
#2	1.913	5045	9383					
#3	1.915	4989	9446					

7.2
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Sample Name: MP30257-S1 Acquired: 4/21/2016 10:55:04 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 25.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2312.1	5096.1	38374.	3339.7
Stddev	1.0	5.9	64.	17.5
%RSD	.04335	.11651	.16585	.52409
#1	2312.4	5102.3	38300.	3323.1
#2	2312.8	5095.4	38411.	3358.0
#3	2310.9	5090.5	38411.	3338.0

Sample Name: MP30257-S2 Acquired: 4/21/2016 10:59:34 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 25.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	0.573	29.15	2.226	2.105	0.408	1449.	0.473	0.5143
Stddev	0.051	.29	.009	.008	.0014	4.	.0012	.0031
%RSD	8.970	.9850	.4178	.3833	3.325	.2737	2.565	6.024
#1	.0620	28.92	2.230	2.113	.0415	1449.	.0471	.5139
#2	.0518	29.07	2.215	2.104	.0417	1445.	.0461	.5176
#3	.0581	29.47	2.232	2.097	.0392	1453.	.0486	.5115
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	2079	2980	27.91	108.3	406.5	1.030	5558	F 20080.
Stddev	0.039	0.008	.15	2.0	2.1	.006	.0007	322.
%RSD	1.877	.2667	.5532	1.878	.5223	.6019	.1315	1.601
#1	2084	2971	28.01	107.2	404.4	1.032	.5558	20380.
#2	2038	2986	27.73	107.0	408.6	1.034	.5552	20120.
#3	2116	2983	27.98	110.6	406.3	1.023	.5566	19740.
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	5186	5169	5300	2.231	4.696	5083	27.58	5278
Stddev	0.042	0.0150	0.0151	.029	.013	0.0085	.06	0.0023
%RSD	.8151	2.906	2.849	1.308	.2767	1.673	.2271	.4420
#1	5233	5174	5277	2.215	4.697	4999	27.65	5291
#2	5150	5016	5163	2.265	4.683	5169	27.57	5251
#3	5177	5316	5462	2.214	4.709	5082	27.53	5291
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	1.972	5011	9922					
Stddev	.010	0.078	0.015					
%RSD	4.975	1.558	.1527					
#1	1.971	4975	9909					
#2	1.962	5100	9918					
#3	1.981	4957	9939					

Sample Name: MP30257-S2 Acquired: 4/21/2016 10:59:34 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 25.000000
User: admin SSTRACE01: : :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2323.7	5117.2	38198.	3338.6
Stddev	.7	1.7	163.	20.3
%RSD	.02811	.03257	.42676	.60772
#1	2323.7	5118.7	38013.	3360.4
#2	2323.1	5117.7	38321.	3320.2
#3	2324.4	5115.4	38260.	3335.1

Sample Name: MP30257-PS1 Acquired: 4/21/2016 11:04:05 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 25.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	.0566	4.978	.1163	.3258	.0463	1461.	.0553	.0545
Stddev	.0091	.143	.0314	.0047	.0012	9.	.0002	.0023
%RSD	16.09	2.876	26.97	1.442	2.566	.6342	.3215	4.164
#1	.0483	4.985	.1473	.3242	.0452	1450.	.0551	.0554
#2	.0663	4.831	.0846	.3311	.0461	1465.	.0554	.0562
#3	.0551	5.117	.1169	.3222	.0476	1468.	.0555	.0519
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.0532	.1557	5.041	96.47	400.0	.5343	.1805	F 20550.
Stddev	.0012	.0093	.038	1.17	5.0	.0029	.0033	379.
%RSD	2.312	5.969	.7588	1.218	1.261	.5508	1.848	1.846
#1	.0547	.1602	5.066	95.91	394.2	.5376	.1838	20180.
#2	.0525	.1619	5.060	95.68	402.5	.5320	.1807	20940.
#3	.0526	.1450	4.997	97.82	403.3	.5334	.1771	20530.
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.1109	.0262	.1280	.0757	4.750	.0501	27.64	.1313
Stddev	.0035	.0187	.0243	.0208	.016	.0070	.11	.0030
%RSD	3.162	71.26	19.00	27.50	.3304	14.03	.3983	2.315
#1	.1125	.0048	.1522	.0956	4.741	.0427	27.54	.1348
#2	.1133	.0346	.1035	.0774	4.768	.0510	27.61	.1295
#3	.1069	.0391	.1284	.0541	4.741	.0567	27.76	.1296
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	.0819	.0417	.6455					
Stddev	.0124	.0076	.0001					
%RSD	15.09	18.24	.0199					
#1	.0688	.0434	.6456					
#2	.0934	.0334	.6456					
#3	.0836	.0484	.6454					

7.2
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Sample Name: MP30257-PS1 Acquired: 4/21/2016 11:04:05 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 25.000000
User: admin SSTRACE01: : :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2306.9	5066.9	37744.	3267.1
Stddev	1.0	3.1	30.	25.9
%RSD	.04380	.06044	.07828	.79300
#1	2306.5	5067.3	37754.	3294.8
#2	2306.2	5069.7	37766.	3243.5
#3	2308.1	5063.6	37710.	3263.2

Sample Name: MP30257-SD1 Acquired: 4/21/2016 11:08:36 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 125.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	.0147	.1298	-.0264	-.0432	-.0627	1463.	-.0301	-.0269
Stddev	.0053	1.042	.0354	.0179	.0075	3.	.0007	.0177
%RSD	35.92	802.6	134.3	41.50	11.93	.2108	2.270	65.79
#1	.0177	.0955	-.0414	-.0299	-.0693	1464.	-.0298	-.0102
#2	.0086	-.8945	-.0141	-.0361	-.0546	1459.	-.0296	-.0250
#3	.0179	1.188	-.0518	-.0636	-.0642	1465.	-.0309	-.0454
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	-.0601	-.0151	-.7288	72.97	398.5	.4001	-.1351	F 23950.
Stddev	.0125	.0068	.2355	1.35	3.8	.0015	.0084	23.
%RSD	20.78	45.27	32.31	1.853	.9595	.3837	6.197	.0949
#1	-.0745	-.0175	-.7680	72.81	398.0	.4007	-.1366	23960.
#2	-.0521	-.0074	-.9423	74.39	402.5	.4013	-.1426	23920.
#3	-.0538	-.0203	-.4762	71.70	394.9	.3984	-.1261	23960.
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	-.0624	-.0588	-.0199	-.0701	4.638	-.0408	27.15	-.1221
Stddev	.0245	.0356	.0466	.2711	.076	.0262	.03	.0038
%RSD	39.20	60.53	233.7	386.6	1.631	64.23	.1278	3.137
#1	-.0342	-.0788	-.0213	-.2709	4.560	-.0160	27.17	-.1177
#2	-.0750	-.0177	.0273	.2382	4.642	-.0682	27.16	-.1244
#3	-.0781	-.0798	-.0658	-.1777	4.711	-.0382	27.11	-.1243
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	-.2061	-.1016	.9219					
Stddev	.0332	.0189	.0090					
%RSD	16.12	18.64	.9762					
#1	-.2064	-.1235	.9270					
#2	-.2392	-.0915	.9116					
#3	-.1728	-.0899	.9273					

Sample Name: MP30257-SD1 Acquired: 4/21/2016 11:08:36 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 125.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2645.7	5527.6	41959.	3362.4
Stddev	2.6	2.6	114.	10.2
%RSD	.09901	.04758	.27092	.30305
#1	2644.7	5529.3	41973.	3351.0
#2	2648.7	5529.1	41839.	3365.4
#3	2643.8	5524.6	42065.	3370.6

Sample Name: FA33214-3 Acquired: 4/21/2016 11:13:14 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 500.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.1324	-4.949	-1.238	-2.570	-2.588	831.0	-1.127	-1.530	-2.672
Stddev	.1689	2.930	.3226	.1935	.0195	3.7	.0095	.0601	.0644
%RSD	127.5	59.21	260.6	75.30	7.529	.4482	8.403	39.25	24.12
#1	-0.589	-7.234	.1586	-4.343	-2.736	827.9	-1.187	-2.175	-2.022
#2	.1952	-5.966	-0.546	-2.862	-2.660	835.1	-1.176	-1.432	-2.682
#3	.2610	-1.645	-4.754	-0.506	-2.367	829.8	-1.018	-0.985	-3.311
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.192	-10.21	72.44	141.8	-2.712	-7.387	11180.	-1.741	-3.216
Stddev	.1155	1.75	8.21	13.2	.0149	.1272	34.	.1387	.2717
%RSD	602.7	17.13	11.34	9.300	5.483	17.21	.3063	79.69	84.46
#1	.1032	-11.54	69.29	156.6	-2.849	-7.079	11200.	-1.230	-5.232
#2	-1.262	-8.228	81.77	131.3	-2.554	-6.297	11200.	-0.681	-0.127
#3	-0.345	-10.87	66.27	137.6	-2.732	-8.784	11140.	-3.311	-4.290
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-2.770	.0384	4.046	-3.535	12.17	-7.541	-0.239	-3.810	3.189
Stddev	.2829	.1633	.055	.0831	.03	.0437	.6256	.0262	.050
%RSD	102.1	424.9	1.348	23.52	.2199	5.791	2619.	6.878	1.557
#1	-4.595	.0491	4.096	-4.129	12.19	-7.415	.1645	-3.859	3.141
#2	.0489	.1962	4.054	-3.890	12.14	-7.181	.4859	-3.526	3.185
#3	-4.203	-1.300	3.988	-2.585	12.18	-8.027	-7.220	-4.043	3.240
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2924.4	5779.4	45144.	3467.0					
Stddev	4.2	9.6	93.	20.7					
%RSD	.14307	.16666	.20709	.59730					
#1	2924.9	5790.5	45196.	3451.6					
#2	2928.2	5773.4	45036.	3458.8					
#3	2919.9	5774.3	45200.	3490.5					

7.2
7

Sample Name: MP30261-MB1 Acquired: 4/21/2016 11:19:10 Type: QC
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-0.0085	-0.0111	-0.0007	-0.0006	.0206	-0.0003	-0.0005	-0.0003
Stddev	.0004	.0051	.0009	.0001	.0001	.0025	.0000	.0001	.0002
%RSD	238.6	60.32	83.03	14.80	17.88	11.92	11.43	31.63	68.82
#1	-0.003	-0.0029	-0.001	-0.007	-0.005	.0178	-0.002	-0.004	-0.002
#2	.0003	-0.129	-0.019	-0.005	-0.006	.0214	-0.003	-0.004	-0.006
#3	.0005	-0.097	-0.013	-0.007	-0.007	.0226	-0.003	-0.006	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.183	.0422	.0182	-0.006	-0.017	.2350	-0.005	-0.002
Stddev	.0001	.0013	.0356	.0189	.0000	.0000	.0116	.0003	.0001
%RSD	76.73	7.183	84.19	104.3	2.999	2.082	4.950	66.29	25.99
#1	-0.001	-0.186	.0821	.0350	-0.006	-0.017	.2484	-0.002	-0.002
#2	-0.003	-0.168	.0137	-0.023	-0.006	-0.017	.2277	-0.005	-0.002
#3	-0.001	-0.194	.0309	.0218	-0.005	-0.016	.2289	-0.009	-0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0003	.0087	-0.001	-0.006	-0.012	-0.021	-0.008	-0.003
Stddev	.0004	.0025	.0005	.0004	.0001	.0000	.0010	.0003	.0000
%RSD	412.6	839.7	5.821	297.8	16.77	2.667	46.47	35.50	11.63
#1	-0.004	-0.0027	.0081	.0003	-0.007	-0.012	-0.026	-0.008	-0.002
#2	.0004	.0023	.0091	-0.005	-0.005	-0.013	-0.026	-0.011	-0.003
#3	.0003	-0.0005	.0088	-0.002	-0.006	-0.012	-0.010	-0.005	-0.003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: MP30261-MB1 Acquired: 4/21/2016 11:19:10 Type: QC
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3009.9	5746.5	45499.	3414.4
Stddev	7.5	8.7	56.	26.0
%RSD	.24887	.15173	.12357	.76094
#1	3001.3	5739.7	45463.	3427.7
#2	3015.1	5743.5	45471.	3431.1
#3	3013.2	5756.4	45564.	3384.5

Sample Name: MP30261-B1 Acquired: 4/21/2016 11:23:38 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0485	27.33	2.032	2.073	.0524	25.93	.0525	.5220	.2099
Stddev	.0006	.13	.003	.010	.0002	.17	.0001	.0014	.0013
%RSD	1.265	.4809	.1441	.4858	.2918	.6471	.1576	.2654	.6373
#1	.0487	27.21	2.029	2.062	.0523	25.74	.0524	.5207	.2102
#2	.0479	27.31	2.032	2.077	.0523	26.05	.0526	.5217	.2084
#3	.0491	27.47	2.035	2.081	.0526	26.01	.0526	.5235	.2110

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2667	26.72	25.28	25.27	.5400	.5038	25.26	.5302	.5035
Stddev	.0003	.12	.14	.12	.0008	.0008	.08	.0012	.0005
%RSD	.1164	.4575	.5342	.4682	.1504	.1682	.3071	.2261	.0914
#1	.2664	26.58	25.13	25.16	.5397	.5035	25.17	.5298	.5030
#2	.2670	26.79	25.39	25.24	.5394	.5031	25.32	.5294	.5040
#3	.2666	26.80	25.32	25.39	.5409	.5047	25.29	.5316	.5034

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5191	2.050	.0220	.5189	.4954	.5094	2.041	.4958	.5248
Stddev	.0014	.004	.0003	.0019	.0019	.0010	.006	.0015	.0008
%RSD	.2654	.2100	1.318	.3711	.3820	.2040	.2811	.3005	.1584
#1	.5185	2.051	.0222	.5168	.4935	.5092	2.036	.4963	.5241
#2	.5182	2.046	.0216	.5194	.4973	.5084	2.047	.4941	.5247
#3	.5207	2.054	.0221	.5206	.4954	.5105	2.039	.4970	.5257

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30261-B1 Acquired: 4/21/2016 11:23:38 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2687.2	5545.5	4301.0	3332.7
Stddev	1.7	11.4	43.	27.8
%RSD	.06495	.20471	.09985	.83270
#1	2689.1	5549.2	42966.	3361.6
#2	2685.8	5554.5	43051.	3306.3
#3	2686.7	5532.7	43014.	3330.1

7.2
7

Sample Name: CCV Acquired: 4/21/2016 11:27:51 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2497	39.85	2.004	1.992	1.984	40.13	2.019	2.015	2.014
Stddev	.0003	.15	.003	.003	.005	.11	.003	.001	.009
%RSD	.1379	.3780	.1324	.1582	.2636	.2836	.1574	.0709	.4390
#1	.2493	40.01	2.001	1.996	1.990	40.26	2.021	2.017	2.022
#2	.2498	39.83	2.005	1.990	1.980	40.06	2.021	2.015	2.014
#3	.2500	39.71	2.007	1.990	1.981	40.06	2.015	2.014	2.005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.004	38.97	39.87	39.83	2.029	2.000	39.64	2.019	1.997
Stddev	.006	.19	.04	.30	.008	.002	.17	.005	.003
%RSD	.2940	.4794	.1068	.7526	.3875	.0787	.4339	.2353	.1626
#1	2.010	39.16	39.88	40.16	2.036	2.000	39.84	2.023	1.994
#2	1.999	38.97	39.82	39.72	2.031	1.998	39.53	2.020	2.000
#3	2.003	38.79	39.91	39.59	2.020	2.000	39.55	2.014	1.998

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.009	2.011	1.435	2.029	1.979	2.010	2.017	1.996	2.018
Stddev	.004	.002	.001	.001	.006	.007	.004	.002	.007
%RSD	.2153	.1048	.0445	.0577	.3062	.3264	.2014	.0782	.3408
#1	2.012	2.014	1.435	2.028	1.986	2.016	2.020	1.996	2.021
#2	2.004	2.009	1.435	2.030	1.979	2.011	2.013	1.997	2.023
#3	2.012	2.011	1.434	2.028	1.973	2.003	2.019	1.994	2.010

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/21/2016 11:27:51 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2590.5	5533.6	42732.	3332.2
Stddev	2.4	7.1	154.	26.8
%RSD	.09078	.12799	.36084	.80491
#1	2587.9	5525.5	42574.	3308.4
#2	2592.5	5536.3	42741.	3327.0
#3	2591.0	5538.9	42882.	3361.3

Sample Name: CCB Acquired: 4/21/2016 11:32:01 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	-0.0058	-0.0008	-0.0005	-0.0002	-0.0036	0.0000	-0.0002	-0.0003
Stddev	.0004	.0081	.0010	.0001	.0000	.0032	.000	.0001	.0001
%RSD	251.1	141.1	116.6	16.02	10.57	89.42	96.95	28.92	25.51
#1	-0.005	-0.0136	-0.0013	-0.0005	-0.0002	-0.0062	0.0000	-0.0002	-0.0002
#2	-0.004	-0.0026	-0.0015	-0.0006	-0.0002	-0.0047	-0.0001	-0.0001	-0.0003
#3	.0003	-0.0063	.0003	-0.0004	-0.0001	0.0000	-0.0001	-0.0002	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	0.0035	0.0466	0.0303	-0.0003	-0.0004	0.1054	-0.0003	-0.0004
Stddev	.0001	.0014	.0250	.0238	.0000	.0004	.0071	.0001	.0001
%RSD	46.87	39.48	53.63	78.64	4.827	89.00	6.712	30.37	18.01
#1	-0.0003	.0050	.0730	.0351	-0.0003	-0.0001	.0996	-0.0003	-0.0005
#2	-0.0003	.0023	.0435	.0514	-0.0003	-0.0003	.1034	-0.0002	-0.0004
#3	-0.0001	.0031	.0233	.0044	-0.0002	-0.0008	.1133	-0.0004	-0.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0000	0.0013	0.0004	-0.0003	-0.0001	-0.0002	0.0008	-0.0005	0.0001
Stddev	.001	.0008	.0003	.0001	.0001	.0002	.0001	.0001	.0001
%RSD	2104.	67.44	72.02	40.83	63.11	95.43	13.47	29.57	188.3
#1	-0.0007	0.0003	0.0002	-0.0004	-0.0001	0.0000	0.0008	-0.0003	0.0001
#2	0.0003	0.0020	0.0007	-0.0002	-0.0001	-0.0001	0.0009	-0.0006	0.0002
#3	0.0003	0.0014	0.0002	-0.0004	-0.0002	-0.0004	0.0007	-0.0005	-0.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/21/2016 11:32:01 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3072.8	5887.7	45866.	3455.0
Stddev	6.8	7.8	126.	18.6
%RSD	.22148	.13237	.27485	.53713
#1	3074.8	5891.9	45740.	3438.3
#2	3065.3	5878.7	45992.	3475.0
#3	3078.4	5892.4	45865.	3451.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	0.0035	0.0466	0.0303	-0.0003	-0.0004	0.1054	-0.0003	-0.0004
Stddev	.0001	.0014	.0250	.0238	.0000	.0004	.0071	.0001	.0001
%RSD	46.87	39.48	53.63	78.64	4.827	89.00	6.712	30.37	18.01
#1	-0.0003	.0050	.0730	.0351	-0.0003	-0.0001	.0996	-0.0003	-0.0005
#2	-0.0003	.0023	.0435	.0514	-0.0003	-0.0003	.1034	-0.0002	-0.0004
#3	-0.0001	.0031	.0233	.0044	-0.0002	-0.0008	.1133	-0.0004	-0.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0000	0.0013	0.0004	-0.0003	-0.0001	-0.0002	0.0008	-0.0005	0.0001
Stddev	.001	.0008	.0003	.0001	.0001	.0002	.0001	.0001	.0001
%RSD	2104.	67.44	72.02	40.83	63.11	95.43	13.47	29.57	188.3
#1	-0.0007	0.0003	0.0002	-0.0004	-0.0001	0.0000	0.0008	-0.0003	0.0001
#2	0.0003	0.0020	0.0007	-0.0002	-0.0001	-0.0001	0.0009	-0.0006	0.0002
#3	0.0003	0.0014	0.0002	-0.0004	-0.0002	-0.0004	0.0007	-0.0005	-0.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: FA33248-3 Acquired: 4/21/2016 11:36:31 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.0001	0.0650	-0.0011	0.1526	-0.0005	0.1320	-0.0002	-0.0005	0.0000
Stddev	.0003	.0059	.0007	.0008	.0001	1.1	.0001	.0001	.000
%RSD	464.6	9.122	69.28	5.493	27.86	83.29	28.76	20.62	129.2
#1	-0.0001	0.0716	-0.0003	0.1529	-0.0003	0.1329	-0.0002	-0.0006	0.0000
#2	-0.0003	0.0601	-0.0011	0.1516	-0.0006	0.1308	-0.0001	-0.0005	-0.0001
#3	0.0002	0.0633	-0.0018	0.1532	-0.0006	0.1323	-0.0003	-0.0004	0.0002

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0003	0.0261	0.1546	0.2357	0.0001	-0.0004	0.1292	0.0020	-0.0009
Stddev	.0002	.0013	.046	.32	.0000	.0001	.09	.0001	.0008
%RSD	94.16	4.837	2.946	1.373	11.14	29.80	7.103	6.205	83.88
#1	-0.0001	0.0263	0.1559	0.2391	0.0001	-0.0003	0.1297	0.0021	-0.0001
#2	-0.0001	0.0272	0.1496	0.2327	0.0001	-0.0005	0.1281	0.0020	-0.0016
#3	-0.0005	0.0247	0.1584	0.2352	0.0001	-0.0005	0.1297	0.0019	-0.0011

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0000	0.0067	0.8943	-0.0001	0.3324	0.0038	-0.0012	0.0005	0.0064
Stddev	.0007	.0011	.009	.0002	.0017	.0014	.0009	.0001	.0001
%RSD	8698.	16.52	1.059	321.3	5.148	35.56	72.14	16.50	1.953
#1	0.0003	0.0054	0.8952	-0.0003	0.3336	0.0041	-0.0010	0.0004	0.0065
#2	-0.0008	0.0073	0.8933	0.0001	0.3305	0.0050	-0.0022	0.0005	0.0064
#3	0.0005	0.0073	0.8943	0.0000	0.3333	0.0023	-0.0005	0.0006	0.0063

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2676.0	5469.6	42370.	3318.1
Stddev	8.6	16.4	127.	24.9
%RSD	.32255	.30010	.30080	.74912
#1	2666.4	5451.1	42416.	3296.8
#2	2678.7	5475.4	42225.	3345.4
#3	2683.0	5482.3	42467.	3312.1

Sample Name: MP30261-D1 Acquired: 4/21/2016 11:40:57 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.0002	0.0606	-0.0010	0.1476	-0.0005	0.1276	-0.0002	-0.0006	0.0001
Stddev	.0003	.0083	.0012	.0008	.0001	.6	.0000	.0001	.0001
%RSD	114.9	13.63	115.0	5.233	13.85	4.732	4.204	11.67	67.75
#1	0.0005	0.0690	-0.0014	0.1480	-0.0005	0.1279	-0.0002	-0.0005	0.0000
#2	0.0000	0.0603	-0.0020	0.1467	-0.0004	0.1269	-0.0002	-0.0006	0.0001
#3	0.0002	0.0524	-0.0003	0.1480	-0.0006	0.1280	-0.0002	-0.0006	0.0002

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0001	0.0182	0.1475	0.2270	0.0001	-0.0008	0.1244	0.0019	-0.0018
Stddev	.0001	.0024	.016	.22	.0000	.0001	.04	.0001	.0002
%RSD	98.41	13.11	1.095	9.803	10.17	9.020	3.290	5.673	12.11
#1	-0.0002	0.0155	0.1479	0.2264	0.0001	-0.0009	0.1248	0.0019	-0.0020
#2	0.0000	0.0194	0.1458	0.2251	0.0001	-0.0009	0.1240	0.0019	-0.0016
#3	-0.0002	0.0198	0.1489	0.2294	0.0001	-0.0008	0.1245	0.0021	-0.0017

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0003	0.0049	0.8630	-0.0004	0.3183	0.0016	-0.0009	0.0005</	

Sample Name: MP30261-SD1 Acquired: 4/21/2016 11:45:21 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.003	0.253	-0.051	1.433	-0.025	127.1	-0.011	-0.019	-0.022
Stddev	.0015	.0189	.0011	.0015	.0005	.5	.0001	.0006	.0009
%RSD	532.2	74.66	21.91	1.038	20.28	.3606	10.07	30.83	42.05
#1	-.0020	.0404	-.0039	.1428	-.0019	126.6	-.0010	-.0025	-.0013
#2	-.0003	.0041	-.0061	.1421	-.0028	127.5	-.0012	-.0018	-.0021
#3	.0008	.0314	-.0054	.1450	-.0028	127.2	-.0010	-.0014	-.0032
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.017	-0.076	1.431	22.69	-0.025	-0.086	12.61	.0009	.0002
Stddev	.0012	.0071	.076	.18	.0001	.0004	.03	.0006	.0055
%RSD	68.35	10.56	5.310	.7728	3.472	4.155	.2726	68.88	2354.
#1	-.0008	-.0629	1.496	22.62	-.0026	-.0082	12.57	.0002	-.0059
#2	-.0014	-.0642	1.450	22.89	-.0024	-.0086	12.60	.0013	.0046
#3	-.0031	-.0758	1.347	22.56	-.0025	-.0090	12.64	.0011	.0021
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.028	.0021	8.546	-0.023	.3142	-0.019	-0.019	-0.030	.0339
Stddev	.0030	.0047	.027	.0018	.0003	.0016	.0049	.0003	.0004
%RSD	107.2	229.1	.3146	75.84	.1085	86.12	251.4	10.55	1.081
#1	-.0059	.0022	8.527	-.0016	.3142	-.0001	-.0030	-.0033	.0335
#2	.0001	.0067	8.536	-.0043	.3138	-.0024	.0034	-.0029	.0339
#3	-.0026	-.0027	8.577	-.0011	.3145	-.0031	-.0062	-.0027	.0343
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2900.1	5734.3	44537.	3416.3					
Stddev	2.3	17.8	73.	15.9					
%RSD	.08009	.30975	.16333	.46604					
#1	2902.7	5752.7	44578.	3432.7					
#2	2898.9	5732.9	44453.	3400.9					
#3	2898.5	5717.3	44581.	3415.3					

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Sample Name: MP30261-PS1 Acquired: 4/21/2016 11:49:48 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0502	2.740	1.084	4.234	.0535	135.0	.0531	.0526	.0541
Stddev	.0004	.010	.0007	.0003	.0002	.1	.0001	.0001	.0002
%RSD	.8286	.3567	.6024	.0745	.4606	.0710	.2432	.1120	.4548
#1	.0503	2.744	1.090	4.231	.0537	135.1	.0530	.0526	.0540
#2	.0506	2.746	1.077	4.233	.0533	134.9	.0531	.0526	.0539
#3	.0498	2.728	1.084	4.237	.0537	135.1	.0533	.0525	.0543
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1103	3.205	12.05	28.19	.0553	1.048	23.16	.1075	.0503
Stddev	.0006	.008	.04	.06	.0003	.0002	.03	.0004	.0012
%RSD	.5560	.2368	.3314	.2171	.4878	.2160	.1164	.3402	2.309
#1	.1108	3.196	12.01	28.24	.0555	1.046	23.14	.1076	.0501
#2	.1096	3.207	12.07	28.21	.0550	1.050	23.16	.1071	.0493
#3	.1104	3.211	12.08	28.12	.0554	1.048	23.19	.1078	.0516
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1117	.1098	8.787	.0514	.3757	.1090	.1012	.0523	.2831
Stddev	.0010	.0010	.013	.0005	.0011	.0005	.0019	.0004	.0008
%RSD	.9191	.8706	.1465	.9068	.2868	.4390	1.905	.7697	.2700
#1	.1129	.1099	8.778	.0513	.3750	.1094	.1034	.0527	.2825
#2	.1112	.1088	8.781	.0510	.3770	.1085	.1002	.0519	.2827
#3	.1110	.1107	8.802	.0519	.3752	.1092	.0999	.0523	.2839
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2634.8	5475.4	42324.	3325.4					
Stddev	2.8	3.9	92.	15.9					
%RSD	.10784	.07076	.21638	.47773					
#1	2635.5	5477.9	42243.	3312.5					
#2	2637.1	5477.5	42423.	3343.1					
#3	2631.6	5471.0	42306.	3320.5					

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7.2
7

Sample Name: MP30261-S1 Acquired: 4/21/2016 11:54:05 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0493	27.88	2.031	2.253	.0531	158.0	.0510	.5051	.2071
Stddev	.0003	.04	.003	.004	.0002	.5	.0000	.0004	.0003
%RSD	.6232	.1299	.1562	.1651	.3626	.3428	.0727	.0789	.1597
#1	.0494	27.91	2.034	2.255	.0533	158.5	.0510	.5047	.2068
#2	.0490	27.84	2.031	2.249	.0530	158.0	.0510	.5052	.2075
#3	.0496	27.90	2.027	2.256	.0530	157.5	.0510	.5055	.2070
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2654	26.97	27.78	48.95	.5314	4957	38.87	.5131	4994
Stddev	.0010	.08	.02	.23	.0009	.0008	.04	.0004	.0009
%RSD	.3667	.2863	.0831	.4786	.1778	.1676	.1074	.0765	.1748
#1	.2665	26.99	27.77	49.20	.5308	4952	38.91	.5133	.5003
#2	.2650	27.03	27.81	48.91	.5325	4966	38.89	.5126	.4985
#3	.2646	26.88	27.77	48.74	.5310	4952	38.83	.5133	.4995
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5129	2.050	8.886	.5064	.8293	.5097	2.001	.4961	.5162
Stddev	.0009	.006	.009	.0009	.0008	.0008	.004	.0015	.0007
%RSD	.1848	.3195	.1075	.1779	.0999	.1639	.2188	.3036	.1299
#1	.5118	2.055	8.885	.5054	.8295	.5093	2.001	.4961	.5165
#2	.5134	2.051	8.896	.5067	.8301	.5090	1.996	.4977	.5167
#3	.5135	2.043	8.877	.5072	.8284	.5106	2.005	.4947	.5155
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2546.2	5435.5	41782.	3252.4					
Stddev	1.8	5.9	112.	15.9					
%RSD	.06926	.10828	.26905	.48841					
#1	2544.2	5442.0	41679.	3240.6					
#2	2547.4	5430.4	41765.	3246.1					
#3	2546.9	5434.2	41902.	3270.4					

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Sample Name: MP30261-S2 Acquired: 4/21/2016 11:58:16 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0504	28.32	2.041	2.283	.0535	160.5	.0513	.5084	.2090
Stddev	.0007	.014	.001	.011	.0001	1.2	.0001	.0010	.0006
%RSD	1.4669	.4893	.0318	.4823	.2803	.7783	.1721	.1982	.2636
#1	.0508	28.16	2.040	2.270	.0536	159.1	.0512	.5072	.2096
#2	.0495	28.42	2.041	2.290	.0533	161.5	.0513	.5092	.2091
#3	.0508	28.38	2.040	2.289	.0536	161.0	.0514	.5087	.2085
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2693	27.18	28.18	49.89	.5340	4999	39.15	.5148	5043
Stddev	.0002	.22	.14	.39	.0003	.0009	.20	.0011	

Sample Name: FA33248-2 Acquired: 4/21/2016 12:02:27 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	3.722	.0013	.1730	-0.004	105.3	-0.002	.0015	.0046
Stddev	.0004	.037	.0009	.0003	.0001	.3	.0000	.0001	.0004
%RSD	80.29	.9826	69.73	.1601	28.43	.3293	8.569	8.466	8.973
#1	-.0009	3.679	.0008	.1727	-.0003	104.9	-.0002	.0014	.0041
#2	-.0002	3.741	.0023	.1733	-.0005	105.5	-.0002	.0016	.0049
#3	-.0002	3.745	.0007	.1729	-.0003	105.5	-.0002	.0016	.0046
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0028	3.338	6.405	21.99	.1436	.0006	24.87	.0052	.0007
Stddev	.0001	.023	.044	.10	.0004	.0001	.05	.0001	.0008
%RSD	3.077	.6834	.6880	.4737	.2805	21.89	.2136	2.686	101.9
#1	.0029	3.314	6.367	21.87	.1431	.0006	24.86	.0050	-.0001
#2	.0028	3.340	6.395	22.01	.1439	.0008	24.93	.0052	.0013
#3	.0029	3.360	6.453	22.08	.1437	.0005	24.83	.0053	.0010
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0005	.0110	13.46	-0.001	.2151	.1622	-0.004	.0088	.0173
Stddev	.0011	.0017	.06	.0006	.0006	.0036	.0003	.0003	.0002
%RSD	215.9	15.54	.4159	.795.7	.2933	2.241	71.10	2.898	.9671
#1	.0015	.0126	13.52	-.0004	.2152	.1649	-.0007	.0086	.0175
#2	.0007	.0092	13.45	.0006	.2145	.1636	-.0002	.0089	.0172
#3	-.0007	.0113	13.41	-.0004	.2157	.1580	-.0003	.0091	.0173
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2668.9	5525.3	42711.	3301.0					
Stddev	8.1	10.9	106.	15.5					
%RSD	.30256	.19759	.24861	.46995					
#1	2663.0	5518.3	42804.	3314.0					
#2	2678.1	5537.9	42735.	3305.2					
#3	2665.7	5519.7	42595.	3283.9					

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Sample Name: FA33248-4 Acquired: 4/21/2016 12:06:51 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	.3101	-0.005	.1648	-0.006	106.7	-0.002	-0.002	.0001
Stddev	.0006	.0106	.0010	.0011	.0000	.4	.0001	.0001	.0002
%RSD	424.9	3.404	220.9	.6752	6.552	.3758	26.88	32.81	272.1
#1	.0006	.3130	-.0007	.1652	-.0005	106.8	-.0003	-.0002	-.0001
#2	-.0006	.3188	-.0013	.1657	-.0006	107.0	-.0002	-.0001	.0001
#3	-.0004	.2984	.0007	.1636	-.0006	106.3	-.0002	-.0002	.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0006	.3208	4.765	16.43	.0859	.0005	49.65	.0028	-.0017
Stddev	.0001	.0009	.013	.05	.0005	.0001	.22	.0001	.0005
%RSD	11.04	.2807	.2813	.2917	.5858	12.64	.4471	3.867	26.56
#1	.0006	.3216	4.750	16.42	.0857	.0005	49.70	.0028	-.0020
#2	.0006	.3198	4.769	16.48	.0865	.0006	49.84	.0028	-.0020
#3	.0007	.3209	4.776	16.39	.0855	.0006	49.40	.0026	-.0012
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.004	.0059	8.807	-0.003	.4081	.0126	-0.010	.0003	.0043
Stddev	.0012	.0019	.007	.0002	.0017	.0015	.0010	.0002	.0000
%RSD	324.4	32.76	.0779	89.42	.4088	11.65	105.0	67.24	.3471
#1	-.0017	.0050	8.808	-.0003	.4088	.0143	-.0004	.0001	.0043
#2	.0005	.0081	8.813	-.0005	.4094	.0121	-.0021	.0005	.0043
#3	.0001	.0046	8.800	.0000	.4062	.0115	-.0003	.0003	.0043
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2644.4	5442.6	42405.	3315.3					
Stddev	4.1	9.0	162.	5.9					
%RSD	.15590	.16545	.38097	.17882					
#1	2645.9	5452.2	42296.	3315.0					
#2	2647.6	5434.4	42328.	3309.5					
#3	2639.7	5441.2	42591.	3321.4					

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7.2
7

Sample Name: FA33248-5 Acquired: 4/21/2016 12:11:14 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	.4377	-0.008	.1630	-0.005	105.0	-0.002	.0001	.0005
Stddev	.0003	.0087	.0008	.0002	.0001	.5	.0001	.0000	.0003
%RSD	394.4	1.996	111.1	.1183	14.91	.5154	26.08	36.22	57.12
#1	.0002	.4277	-.0013	.1631	-.0004	104.8	-.0002	.0001	.0008
#2	-.0003	.4438	-.0012	.1628	-.0006	105.6	-.0002	.0001	.0002
#3	-.0001	.4417	.0002	.1630	-.0006	104.6	-.0003	.0001	.0005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0003	.4287	4.730	16.20	.1078	.0005	49.11	.0033	-0.009
Stddev	.0005	.0050	.050	.14	.0005	.0001	.12	.0001	.0002
%RSD	169.0	1.177	1.065	.8549	.4316	19.23	.2537	2.847	26.38
#1	-.0002	.4235	4.780	16.13	.1078	.0005	48.96	.0032	-.0010
#2	.0003	.4290	4.732	16.36	.1074	.0004	49.18	.0032	-.0011
#3	.0007	.4336	4.679	16.12	.1083	.0005	49.18	.0034	-.0006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.001	.0056	8.871	-0.004	.4001	.0187	-0.020	.0005	.0052
Stddev	.0006	.0018	.003	.0001	.0011	.0025	.0011	.0001	.0001
%RSD	986.0	31.55	.0376	27.60	.2677	13.12	56.86	14.98	1.438
#1	-.0007	.0036	8.869	-.0003	.3992	.0190	-.0009	.0005	.0052
#2	.0001	.0069	8.868	-.0004	.3998	.0161	-.0032	.0004	.0053
#3	.0004	.0062	8.874	-.0005	.4012	.0210	-.0019	.0005	.0052
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2662.9	5492.8	42443.	3329.4					
Stddev	2.3	9.5	74.	35.3					
%RSD	.08765	.17336	.17469	1.0588					
#1	2665.6	5503.8	42412.	3344.8					
#2	2662.1	5486.4	42528.	3289.0					
#3	2661.1	5488.4	42390.	3354.3					

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Sample Name: FA33248-6 Acquired: 4/21/2016 12:15:39 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	.8200	-0.008	.2070	-0.004	132.5	-0.003	-0.002	.0021
Stddev	.0003	.0120	.0013	.0007	.0000	.3	.0000	.0001	.0006
%RSD	256.0	1.468	168.1	.3192	9.334	22.14	9.554	37.27	30.68
#1	-.0001	.8140	-.0007	.2070	-.0004	132.4	-.0002	-.0001	.0028
#2	.0002	.8122	-.0005	.2064	-.0005	132.4	-.0003	-.0002	.0019
#3	-.0005	.8339	-.0022	.2077	-.0004	132.9	-.0003	-.0003	.0015
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.004	.8420	2.757	27.07	.0216	.0002	8.060	.0023	-0.013
Stddev	.0001	.0048	.029	.09	.0002	.0000	.020	.0006	.0000
%RSD	35.47	.5748	1.057	.3293					

Sample Name: CCV Acquired: 4/21/2016 12:20:03 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2575	41.00	2.063	2.050	2.041	41.25	2.082	2.081	2.063
Stddev	.0003	.08	.001	.007	.005	.09	.001	.003	.004
%RSD	.1098	.1930	.0609	.3528	.2502	.2114	.0301	.1277	.1793
#1	.2576	41.08	2.064	2.054	2.040	41.34	2.081	2.078	2.067
#2	.2572	41.01	2.062	2.055	2.047	41.23	2.082	2.083	2.059
#3	.2577	40.92	2.063	2.042	2.037	41.17	2.082	2.082	2.064

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.063	40.11	41.13	40.88	2.078	2.066	40.86	2.080	2.051
Stddev	.003	.03	.03	.18	.003	.004	.15	.001	.003
%RSD	.1433	.0761	.0754	.4412	.1553	.0192	.3676	.0432	.1212
#1	2.060	40.15	41.13	41.00	2.077	2.061	40.96	2.079	2.049
#2	2.064	40.11	41.16	40.67	2.076	2.068	40.94	2.081	2.051
#3	2.066	40.09	41.10	40.97	2.082	2.067	40.69	2.079	2.054

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.073	2.075	1.482	2.092	2.033	2.059	2.075	2.044	2.078
Stddev	.004	.005	.003	.003	.004	.003	.007	.005	.004
%RSD	.1766	.2431	.1688	.1529	.2204	.1566	.3506	.2589	.2087
#1	2.069	2.069	1.480	2.089	2.031	2.058	2.066	2.049	2.082
#2	2.074	2.078	1.483	2.093	2.038	2.056	2.080	2.038	2.077
#3	2.076	2.078	1.485	2.095	2.030	2.062	2.078	2.045	2.073

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/21/2016 12:20:03 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2528.8	5388.6	4180.3	3257.8
Stddev	5.9	4.9	86.	12.1
%RSD	.23247	.09155	.20692	.37109
#1	2534.7	5394.2	41765.	3252.1
#2	2528.8	5385.1	41902.	3271.7
#3	2522.9	5386.3	41743.	3249.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.073	2.075	1.482	2.092	2.033	2.059	2.075	2.044	2.078
Stddev	.004	.005	.003	.003	.004	.003	.007	.005	.004
%RSD	.1766	.2431	.1688	.1529	.2204	.1566	.3506	.2589	.2087
#1	2.069	2.069	1.480	2.089	2.031	2.058	2.066	2.049	2.082
#2	2.074	2.078	1.483	2.093	2.038	2.056	2.080	2.038	2.077
#3	2.076	2.078	1.485	2.095	2.030	2.062	2.078	2.045	2.073

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.073	2.075	1.482	2.092	2.033	2.059	2.075	2.044	2.078
Stddev	.004	.005	.003	.003	.004	.003	.007	.005	.004
%RSD	.1766	.2431	.1688	.1529	.2204	.1566	.3506	.2589	.2087
#1	2.069	2.069	1.480	2.089	2.031	2.058	2.066	2.049	2.082
#2	2.074	2.078	1.483	2.093	2.038	2.056	2.080	2.038	2.077
#3	2.076	2.078	1.485	2.095	2.030	2.062	2.078	2.045	2.073

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 4/21/2016 12:24:13 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	-0.0012	0.0000	-0.0002	-0.0002	0.0035	-0.0001	-0.0003	0.0000
Stddev	.0003	.0103	.000	.0002	.0000	.0060	.0001	.0001	.000
%RSD	178.7	877.4	884.9	69.09	21.84	174.5	108.2	50.94	74.41
#1	.0000	-.0116	.0000	-.0002	-.0002	.0058	.0000	-.0001	.0000
#2	.0000	-.0011	-.0004	-.0004	-.0002	.0080	-.0001	-.0003	-.0001
#3	-.0005	.0091	.0003	-.0001	-.0002	-.0034	-.0001	-.0004	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	0.0006	-0.0087	0.0213	-0.0003	-0.0002	0.0946	-0.0001	-0.0003
Stddev	.0002	.0005	.0406	.0214	.0000	.0002	.0029	.0001	.0003
%RSD	82.24	78.34	465.2	100.8	7.053	127.7	3.048	96.19	117.7
#1	.0000	.0001	-.0039	-.0013	-.0003	.0001	.0979	.0000	-.0004
#2	-.0004	.0010	-.0516	.0238	-.0003	-.0003	.0932	-.0003	-.0005
#3	-.0004	.0006	.0293	.0413	-.0003	-.0004	.0927	-.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0007	0.0011	0.0016	0.0000	-0.0002	-0.0001	-0.0002	-0.0006	0.0000
Stddev	.0004	.0004	.0001	.000	.0001	.0001	.0001	.0003	.000
%RSD	64.37	33.83	5.014	1216.	71.49	85.57	59.93	46.28	467.2
#1	.0007	.0007	.0016	.0000	-.0002	.0000	-.0003	-.0003	.0001
#2	.0002	.0015	.0017	.0001	-.0002	.0000	-.0003	-.0008	-.0001
#3	.0011	.0011	.0015	-.0002	.0000	-.0002	-.0001	-.0009	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/21/2016 12:24:13 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3040.9	5824.3	4540.0	3431.2
Stddev	4.6	6.8	323.	15.2
%RSD	.15198	.11644	.71170	.44173
#1	3042.1	5824.4	45654.	3447.4
#2	3035.8	5831.0	45037.	3417.4
#3	3044.8	5817.5	45510.	3428.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0007	0.0011	0.0016	0.0000	-0.0002	-0.0001	-0.0002	-0.0006	0.0000
Stddev	.0004	.0004	.0001	.000	.0001	.0001	.0001	.0003	.000
%RSD	64.37	33.83	5.014	1216.	71.49	85.57	59.93	46.28	467.2
#1	.0007	.0007	.0016	.0000	-.0002	.0000	-.0003	-.0003	.0001
#2	.0002	.0015	.0017	.0001	-.0002	.0000	-.0003	-.0008	-.0001
#3	.0011	.0011	.0015	-.0002	.0000	-.0002	-.0001	-.0009	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0007	0.0011	0.0016	0.0000	-0.0002	-0.0001	-0.0002	-0.0006	0.0000
Stddev	.0004	.0004	.0001	.000	.0001	.0001	.0001	.0003	.000
%RSD	64.37	33.83	5.014	1216.	71.49	85.57	59.93	46.28	467.2
#1	.0007	.0007	.0016	.0000	-.0002	.0000	-.0003	-.0003	.0001
#2	.0002	.0015	.0017	.0001	-.0002	.0000	-.0003	-.0008	-.0001
#3	.0011	.0011	.0015	-.0002	.0000	-.0002	-.0001	-.0009	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: FA33248-7 Acquired: 4/21/2016 12:28:43 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	0.089	-0.006	0.349	-0.005	35.82	-0.002	-0.003	0.008
Stddev	.0006	.0030	.0002	.0004	.0000	.36	.0000	.0001	.0002
%RSD	120.0	33.44	26.59	1.129	10.13	1.003	12.15	24.37	28.66
#1	.0000	.0093	-.0004	.0352	-.0005	36.22	-.0003	-.0003	.0006
#2	-.0011	.0057	-.0006	.0345	-.0005	35.72	-.0002	-.0004	.0010
#3	-.0003	.0116	-.0008	.0351	-.0005	35.52	-.0002	-.0003	.0006
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	-0.003	-0.096	9.145	8.625	0.089	-0.006	10.10	0.009	-0.007
Stddev	.0001	.0044	.0232	.101	.0001	.0002	.05	.0002	.0001
%RSD	40.55	45.93	2.537	1.166	.5996	30.91	4.662	16.82	14.14
#1	-.0002	-.0056	8.897	8.741	.0090	-.0004	10.13	.0008	-.0009
#2	-.0004	-.0088	9.182	8.560	.0089	-.0006	10.13	.0009	-.0007
#3	-.0004	-.0143	9.357	8.575	.0090	-.0007	10.05	.0011	-.0007
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.003	0.008	3.184	0.002	5.816	-0.003	-0.017	0.031	0.114
Stddev	.0012	.0007	.001	.0001	.0027	.0000	.0007	.0002	.0001
%RSD	354.1	87.35	0.424	38.06	46.35	11.06	39.27	7.279	6.601
#1	-.0007	.0001	3.185	.0002	.5834	-.0003	-.0010	.0028	.0115
#2	.0016	.0007	3.185	.0002	.5829	-.0003	-.0023	.0031	.0114
#3	.0002	.0015	3.183	.0001	.5785	-.0003	-.0019	.0032	.0114
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2853.9	5677.0	44071.	3334.6					
Stddev	2.5	6.9	78.	27.9					
%RSD	.08681	.12084	.17667	.83654					
#1	2856.4	5681.8	43984.	3302.5					
#2	2853.7	5669.1	44134.	3347.9					
#3	2851.5	5680.0	44095.	3353.3					

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Sample Name: FA33248-8 Acquired: 4/21/2016 12:33:10 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.002	.1952	-0.013	2.536	-0.005	143.9	-0.003	-0.006	0.002
Stddev	.0003	.0071	.0001	.0006	.0001	.1	.0001	.0001	.0002
%RSD	162.1	3.650	7.782	2.184	13.73	.0809	17.81	25.97	109.9
#1	.0001	.1875	-.0012	2.537	-.0004	143.9	-.0003	-.0006	.0000
#2	.0005	.2015	-.0014	2.530	-.0006	143.8	-.0003	-.0006	.0002
#3	-.0001	.1968	-.0012	2.541	-.0005	144.0	-.0003	-.0004	.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	0.002	.1475	4.828	22.76	0.089	0.045	38.89	0.009	-0.011
Stddev	.0002	.0037	.044	.11	.0001	.0002	.06	.0001	.0005
%RSD	107.6	2.521	.9057	.5018	.9081	3.319	.1549	11.47	45.87
#1	.0002	.1433	4.869	22.88	.0090	.0044	38.89	.0010	-.0014
#2	.0004	.1498	4.782	22.74	.0088	.0047	38.94	.0009	-.0014
#3	.0000	.1496	4.833	22.65	.0090	.0046	38.82	.0008	-.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.013	0.106	8.982	-0.004	3.468	0.067	-0.019	0.003	0.033
Stddev	.0016	.0018	.015	.0001	.0006	.0012	.0004	.0004	.0000
%RSD	120.8	16.75	.1639	20.37	.0066	17.17	22.12	122.5	6.225
#1	.0027	.0119	8.980	-.0004	3.460	.0080	-.0014	.0007	.0033
#2	.0015	.0112	8.968	-.0003	3.471	.0058	-.0022	.0003	.0032
#3	-.0004	.0086	8.998	-.0004	3.471	.0063	-.0019	-.0001	.0033
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2628.6	5398.5	41668.	3272.1					
Stddev	5.5	4.3	25.	21.8					
%RSD	.20791	.07956	.06082	.66509					
#1	2632.3	5399.5	41641.	3247.3					
#2	2631.2	5402.1	41672.	3281.2					
#3	2622.3	5393.7	41691.	3287.9					

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7.2
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Sample Name: FA33230-37 Acquired: 4/21/2016 12:37:33 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.000	0.093	-0.009	0.216	-0.006	37.39	-0.003	-0.005	-0.001
Stddev	.0002	.0063	.0007	.0005	.0001	.19	.0000	.0001	.0001
%RSD	402.1	67.33	75.69	2.181	9.692	5.109	12.15	16.14	107.9
#1	.0001	.0027	-.0017	.0211	-.0006	37.17	-.0002	-.0006	-.0002
#2	.0002	.0100	-.0006	.0216	-.0006	37.53	-.0003	-.0005	-.0002
#3	-.0002	.0152	-.0004	.0220	-.0005	37.47	-.0003	-.0004	.0000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	0.000	-0.166	1.068	8.984	0.003	-0.013	10.73	0.013	-0.008
Stddev	.000	.0012	.089	.038	.0000	.0002	.05	.0001	.0004
%RSD	494.8	7.344	8.371	4.224	13.34	13.56	4.952	10.99	49.75
#1	-.0001	-.0158	1.160	8.951	.0003	-.0015	10.69	.0012	-.0004
#2	.0001	-.0180	1.061	8.976	.0003	-.0012	10.79	.0015	-.0007
#3	.0000	-.0159	.9818	9.025	.0003	-.0012	10.71	.0012	-.0012
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.003	-0.001	3.416	-0.004	5.867	-0.008	-0.016	0.018	0.099
Stddev	.0005	.0007	.008	.0003	.0021	.0001	.0006	.0002	.0001
%RSD	196.1	758.8	2.390	87.03	35.79	7.458	35.97	9.736	5.093
#1	-.0003	.0007	3.425	-.0007	.5850	-.0009	-.0022	.0018	.0099
#2	.0008	-.0005	3.409	-.0004	.5890	-.0008	-.0017	.0017	.0099
#3	.0002	-.0005	3.414	.0000	.5860	-.0008	-.0010	.0020	.0100
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2819.5	5625.3	43933.	3366.3					
Stddev	10.5	15.5	29.	16.4					
%RSD	.37342	.27573	.06557	.48598					
#1	2829.2	5633.8	43966.	3383.6					
#2	2808.3	5607.4	43915.	3351.0					
#3	2821.1	5634.7	43918.	3364.4					

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Sample Name: FA33227-8 Acquired: 4/21/2016 12:42:01 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	-0.045	0.005	0.103	-0.005	35.59	-0.003	0.012	-0.006
Stddev	.0005	.0118	.0007	.0005	.0001	.18	.0000	.0001	.0002
%RSD	206.4	26.44	14.15	5.023	16.36	4.931	16.01	8.008	39.65
#1	-.0008	-.0007	-.0001	.0106	-.0006	35.73	-.0002	.0012	-.0006
#2	-.0001	.0050	.0013	.0107	-.0005	35.40	-.0003	.0012	-.0003
#3	.0002	-.0177	.0003	.0097	-.0004	35.65	-.0003	.0011	-.0008
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	0.005	-0.191	7.231	8.626	0.069				

Sample Name: FA33228-1 Acquired: 4/21/2016 12:46:26 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.0452	-0.0017	.0062	-0.0005	21.96	.0001	-0.0003	.0017
Stddev	.0001	.0116	.0007	.0004	.0001	.09	.0000	.0001	.0002
%RSD	365.0	25.61	38.19	5.686	19.13	4.227	43.04	16.09	14.22
#1	.0001	.0475	-0.0023	.0058	-0.0006	21.99	.0001	-0.0004	.0017
#2	-0.0001	.0554	-0.0020	.0063	-0.0004	22.04	.0001	-0.0003	.0020
#3	.0001	.0326	-0.0010	.0065	-0.0004	21.86	.0001	-0.0004	.0015
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0845	.3693	1.517	3.213	.0092	.0738	F 161.8	.0031	.0011
Stddev	.0005	.0042	.022	.029	.0000	.0002	.2	.0000	.0009
%RSD	.6048	1.129	1.440	.9064	.3871	.2056	.1285	1.380	81.78
#1	.0839	.3662	1.511	3.185	.0092	.0738	161.7	.0031	.0021
#2	.0849	.3741	1.541	3.243	.0093	.0737	162.0	.0031	.0009
#3	.0847	.3678	1.498	3.211	.0092	.0740	161.7	.0032	.0003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0006	.0014	2.410	.0009	.4596	-0.001	-0.0016	-0.0003	.0472
Stddev	.0007	.0011	.003	.0003	.0011	.0000	.0007	.0001	.0002
%RSD	114.5	82.09	.1042	37.63	.2388	3.564	42.16	47.13	.4610
#1	-0.0001	.0022	2.413	.0012	.4601	-0.0001	-0.0022	-0.0002	.0469
#2	.0007	.0019	2.409	.0007	.4604	-0.0001	-0.0009	-0.0002	.0474
#3	.0012	.0009	2.409	.0007	.4584	-0.0001	-0.0018	-0.0004	.0472
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2635.1	5449.2	41762.	3324.0					
Stddev	6.5	2.9	137.	20.7					
%RSD	.24480	.05250	.32704	.62208					
#1	2635.1	5446.0	41880.	3337.6					
#2	2641.6	5451.5	41612.	3300.2					
#3	2628.7	5450.2	41792.	3334.2					

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Sample Name: FA33228-2 Acquired: 4/21/2016 12:50:58 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.1411	-0.0018	.0008	-0.0005	4.402	.0000	-0.0004	.0026
Stddev	.0008	.0048	.0007	.0004	.0000	.0010	.0001	.0001	.0003
%RSD	534.9	3.376	36.96	50.16	3.229	2354	865.7	17.31	12.26
#1	.0003	.1384	-0.0014	.0004	-0.0004	4.392	.0001	-0.0003	.0029
#2	.0008	.1382	-0.0014	.0011	-0.0004	4.413	.0000	-0.0004	.0023
#3	-0.0007	.1466	-0.0025	.0010	-0.0005	4.402	.0000	-0.0004	.0025
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0266	.5480	.6459	.0685	.0014	.1737	F 314.5	.0072	.0004
Stddev	.0002	.0028	.0305	.0093	.0001	.0002	2.5	.0001	.0007
%RSD	.7837	.5139	4.717	13.59	4.032	.1432	.7923	1.241	167.6
#1	.0267	.5476	.6122	.0630	.0015	.1740	311.7	.0073	-0.001
#2	.0267	.5510	.6714	.0793	.0015	.1735	316.3	.0071	.0001
#3	.0263	.5454	.6541	.0633	.0014	.1736	315.6	.0073	.0013
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0010	.0015	.4564	.0044	.0057	.0005	-0.0031	-0.0002	.0342
Stddev	.0008	.0017	.0013	.0002	.0001	.0002	.0009	.0003	.0002
%RSD	82.63	111.6	.2771	4.645	1.446	36.01	29.62	150.1	.5126
#1	.0016	.0034	.4578	.0046	.0057	.0007	-0.0020	.0001	.0341
#2	.0001	.0007	.4561	.0042	.0056	.0005	-0.0038	-0.0005	.0342
#3	.0014	.0004	.4554	.0044	.0057	.0003	-0.0034	-0.0002	.0344
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2506.8	5279.7	40328.	3259.5					
Stddev	5.7	7.8	256.	9.6					
%RSD	.22691	.14842	.63544	.29316					
#1	2507.4	5275.9	40534.	3251.1					
#2	2512.2	5288.7	40041.	3257.5					
#3	2500.9	5274.4	40408.	3269.9					

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Sample Name: FA33228-3 Acquired: 4/21/2016 12:55:33 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0012	.1674	.0001	.0049	-0.0005	5.128	.0000	-0.0001	.0043
Stddev	.0007	.0057	.0008	.0002	.0000	.017	.0000	.0001	.0003
%RSD	56.53	3.418	593.5	4.897	5.871	.3214	51.88	98.92	6.294
#1	.0008	.1739	.0005	.0047	-0.0004	5.147	.0000	.0000	.0042
#2	.0020	.1634	.0008	.0052	-0.0004	5.116	.0000	-0.0001	.0046
#3	.0008	.1648	-0.0008	.0048	-0.0005	5.121	.0001	-0.0002	.0041
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0642	.6424	1.474	1.278	.0123	.0680	F 193.9	.0107	.0001
Stddev	.0011	.0077	.021	.016	.0001	.0001	2.0	.0003	.0005
%RSD	1.739	1.194	1.403	1.255	1.069	.1993	1.031	2.527	355.7
#1	.0655	.6462	1.494	1.260	.0124	.0679	194.2	.0104	-0.004
#2	.0633	.6336	1.475	1.283	.0123	.0679	195.7	.0110	.0007
#3	.0638	.6475	1.452	1.291	.0122	.0681	191.7	.0108	.0002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0003	-0.0003	2.757	.0028	.1021	.0040	-0.0030	-0.0002	.0227
Stddev	.0003	.0008	.011	.0004	.0004	.0005	.0006	.0001	.0002
%RSD	84.14	285.9	.3800	13.95	.3773	13.59	19.20	59.97	.8978
#1	.0002	-0.0011	2.767	.0024	.1025	.0038	-0.0036	-0.0002	.0226
#2	.0001	.0002	2.758	.0026	.1018	.0047	-0.0024	-0.0001	.0229
#3	.0006	.0002	2.746	.0032	.1019	.0037	-0.0030	-0.0004	.0226
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2508.7	5226.5	39453.	3157.0					
Stddev	6.6	11.0	305.	15.8					
%RSD	.26406	.21069	.77326	.50138					
#1	2501.2	5213.9	39108.	3167.4					
#2	2510.8	5231.3	39568.	3138.8					
#3	2514.0	5234.3	39685.	3164.8					

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Sample Name: FA33228-4 Acquired: 4/21/2016 13:00:05 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0049	.3604	-0.0007	.0059	-0.0005	6.499	.0006	-0.0000	.0046
Stddev	.0007	.0038	.0008	.0004	.0001	.037	.0000	.0000	.0001
%RSD	13.96	1.060	122.7	7.582	16.59	5.743	2.752	107.6	2.985
#1	.0042	.3621	-0.0004	.0061	-0.0004	6.510	.0006	-0.0001	.0046
#2	.0056	.3631	-0.0016	.0062	-0.0005	6.457	.0006	-0.0002	.0044
#3	.0048	.3560	.0000	.0054	-0.0005	6.529	.0006	.0002	.0047
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0988	1.501	1.996	1.514	.0081	.2457	F 367.8	.0099	.0012
Stddev	.0008	.006	.063	.015	.0001	.0008	1.5	.0002	.0007
%RSD	.7597	.3812	3.169	.9789	1.569	.3207	.4140	2.325	57.79
#1	.0984	1.495	1.930	1.500	.0081	.2458	367.9	.0098	.0006
#2	.0983	1.506	2.005	1.511	.0079	.2464	369.3	.0098	.0011
#									

Sample Name: FA33228-1F Acquired: 4/21/2016 13:04:37 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	0.0386	-0.0013	0.0013	-0.0006	15.52	-0.0002	-0.0004	0.0007
Stddev	0.002	0.0085	0.0012	0.0006	0.0001	.14	0.0000	0.0001	0.0000
%RSD	71.24	22.14	95.20	47.87	12.38	8982	12.43	20.67	4.609
#1	-0.001	0.0421	0.0000	0.0007	-0.0005	15.42	-0.0002	-0.0005	0.0007
#2	-0.003	0.0289	-0.0024	0.0011	-0.0007	15.68	-0.0002	-0.0003	0.0006
#3	-0.005	0.0448	-0.0014	0.0019	-0.0006	15.46	-0.0002	-0.0003	0.0007
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0722	1.230	1.487	2.643	0.0059	0.0719	F 155.7	0.0021	-0.0004
Stddev	0.007	0.070	0.065	0.012	0.0000	0.0001	1.0	0.0001	0.0001
%RSD	1.001	5.678	4.334	4.706	.7358	.2071	.6216	4.655	19.93
#1	0.0714	1.227	1.443	2.629	0.0059	0.0719	155.5	0.0020	-0.0004
#2	0.0722	1.162	1.561	2.651	0.0058	0.0718	156.8	0.0022	-0.0003
#3	0.0729	1.301	1.457	2.649	0.0059	0.0721	154.9	0.0020	-0.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0000	-0.0005	2.242	0.0005	0.2950	-0.0008	-0.0029	-0.0004	0.0120
Stddev	0.001	0.003	0.008	0.0001	0.0014	0.0000	0.0003	0.0003	0.0000
%RSD	482.7	50.22	0.3709	23.42	0.4597	5.552	8.764	68.56	0.3069
#1	-0.0008	-0.0008	2.232	0.0004	0.2945	-0.0007	-0.0026	-0.0004	0.0120
#2	0.0005	-0.0002	2.244	0.0006	0.2966	-0.0007	-0.0031	-0.0001	0.0121
#3	0.0002	-0.0006	2.248	0.0005	0.2940	-0.0008	-0.0029	-0.0007	0.0120
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2638.9	5471.6	4214.8	3303.9					
Stddev	4.3	1.5	86.	3.4					
%RSD	.16339	0.2664	2.0413	1.0343					
#1	2635.5	5473.1	42159.	3306.0					
#2	2643.7	5471.5	42228.	3300.0					
#3	2637.4	5470.2	42057.	3305.8					

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Sample Name: CCV Acquired: 4/21/2016 13:13:39 Type: QC
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2523	40.44	2.018	2.009	2.016	40.58	2.036	2.035	2.037
Stddev	0.002	.11	.003	.005	.007	.05	.003	.004	.003
%RSD	.0909	2832	.1385	.2414	.3641	.1317	.1296	.1769	.1358
#1	2526	40.34	2.021	2.004	2.013	40.58	2.035	2.034	2.035
#2	2523	40.56	2.015	2.013	2.025	40.64	2.033	2.032	2.036
#3	2521	40.42	2.017	2.009	2.011	40.53	2.038	2.039	2.040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.024	39.49	40.52	40.31	2.055	2.020	40.30	2.035	2.012
Stddev	.003	.12	.08	.01	.002	.005	.11	.002	.005
%RSD	.1242	.3060	.1988	.0372	.0746	.2707	.2767	.0968	.2459
#1	2.027	39.49	40.45	40.32	2.054	2.017	40.17	2.036	2.013
#2	2.023	39.61	40.61	40.30	2.057	2.016	40.37	2.033	2.007
#3	2.022	39.37	40.51	40.32	2.056	2.026	40.36	2.036	2.017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.025	2.030	1.449	2.048	2.004	2.032	2.028	2.016	2.035
Stddev	.004	.005	.001	.007	.005	.002	.004	.003	.002
%RSD	.2202	.2378	.0927	.3325	.2405	.0921	.1892	.1318	.0901
#1	2.030	2.025	1.447	2.045	1.998	2.032	2.032	2.013	2.035
#2	2.021	2.031	1.448	2.043	2.007	2.034	2.024	2.018	2.033
#3	2.026	2.034	1.450	2.056	2.005	2.031	2.028	2.017	2.037
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: FA33228-2F Acquired: 4/21/2016 13:09:04 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.1211	-0.0017	0.0007	-0.0005	0.4131	-0.0001	-0.0003	0.0023
Stddev	0.002	0.0030	0.0010	0.0003	0.0001	0.0046	0.0000	0.0001	0.0001
%RSD	190.3	2.456	58.82	40.32	20.32	1.113	17.01	47.35	4.694
#1	-0.004	0.1244	-0.0024	0.0006	-0.0004	0.4139	0.0000	-0.0002	0.0023
#2	0.000	0.1187	-0.0021	0.0004	-0.0005	0.4172	-0.0001	-0.0002	0.0023
#3	0.000	0.1201	-0.0005	0.0010	-0.0005	0.4081	-0.0001	-0.0004	0.0021
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0243	4.634	7.199	0.0642	0.0012	1.664	F 299.6	0.0026	0.0001
Stddev	0.003	0.017	0.144	0.0215	0.0000	0.004	1.8	0.0000	0.0001
%RSD	1.276	3.706	2.002	33.53	1.284	2.339	.6128	.7711	88.27
#1	0.0245	4.637	7.058	0.0425	0.0012	1.663	301.0	0.0063	0.0001
#2	0.0239	4.648	7.192	0.0644	0.0011	1.661	300.3	0.0062	0.0001
#3	0.0243	4.615	7.346	0.0856	0.0012	1.669	297.5	0.0062	0.0002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0013	0.0005	4.296	0.0041	0.0050	-0.0001	-0.0026	-0.0003	0.0250
Stddev	0.0005	0.0011	0.0007	0.0000	0.0002	0.0001	0.0018	0.0001	0.0001
%RSD	42.21	231.0	0.1672	1.165	3.182	63.23	69.93	43.93	0.2051
#1	0.0019	0.0015	4.296	0.0042	0.0049	-0.0002	-0.0008	-0.0004	0.0250
#2	0.0008	-0.0007	4.289	0.0041	0.0052	-0.0001	-0.0044	-0.0001	0.0250
#3	0.0013	0.0006	4.304	0.0041	0.0051	-0.0001	-0.0025	-0.0002	0.0251
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2547.6	5350.3	41153.	3365.6					
Stddev	4.0	3.5	231.	20.0					
%RSD	.15560	0.6556	.56118	.59375					
#1	2547.0	5346.7	40887.	3361.4					
#2	2544.0	5353.7	41299.	3348.1					
#3	2551.8	5350.6	41273.	3387.4					

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Sample Name: CCV Acquired: 4/21/2016 13:13:39 Type: QC
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2570.5	5482.0	42256.	3270.1
Stddev	6.0	6.6	84.	16.6
%RSD	.23488	.11951	.19833	.50719
#1	2571.1	5483.6	42299.	3266.2
#2	2576.2	5487.6	42309.	3288.3
#3	2564.2	5474.8	42159.	3255.8

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Sample Name: CCB Acquired: 4/21/2016 13:17:50 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	-0.021	0.003	-0.002	-0.002	0.028	0.000	-0.001	-0.001
Stddev	0.004	0.130	0.008	0.002	0.001	0.050	0.000	0.000	0.001
%RSD	99.93	616.9	284.3	122.7	67.10	177.1	295.9	10.66	118.5

#1 -0.002 0.015 0.009 -0.004 0.000 0.066 0.001 -0.001 -0.001
 #2 -0.001 -0.165 -0.007 -0.000 -0.002 -0.028 -0.001 -0.001 -0.000
 #3 -0.008 0.087 0.006 -0.002 -0.002 0.045 -0.001 -0.002 0.000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.000	0.024	-0.740	0.199	-0.003	-0.001	1.069	-0.002	-0.002
Stddev	0.000	0.050	0.836	0.344	0.000	0.003	0.037	0.001	0.004
%RSD	4527.	209.0	113.0	173.3	12.87	325.8	3.432	44.56	173.0

#1 -0.001 0.082 -1.692 0.558 -0.002 0.002 1.093 -0.002 -0.003
 #2 0.000 0.000 -0.407 0.167 -0.003 0.000 1.087 -0.002 0.002
 #3 0.001 -0.009 -0.121 -0.129 -0.003 -0.005 1.027 -0.004 -0.006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	0.004	0.013	-0.001	-0.002	0.001	-0.002	-0.005	0.001
Stddev	0.004	0.007	0.001	0.002	0.001	0.001	0.013	0.001	0.001
%RSD	112.3	159.9	6.393	325.0	77.35	63.16	666.0	19.71	70.67

#1 0.001 0.006 0.013 0.002 0.000 0.002 -0.014 -0.004 0.001
 #2 -0.007 0.010 0.012 -0.001 -0.003 0.001 -0.005 -0.004 0.001
 #3 -0.006 -0.003 0.014 -0.002 -0.002 0.001 0.012 -0.005 0.000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/21/2016 13:17:50 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3041.5	5882.0	4526.1	3346.7
Stddev	1.3	5.0	164.	10.8
%RSD	0.4218	0.8473	3.6223	3.2336

#1 3042.1 5877.9 45149. 3358.6
 #2 3040.0 5887.6 45449. 3337.4
 #3 3042.4 5880.6 45185. 3344.2

Sample Name: FA33228-3F Acquired: 4/21/2016 13:22:20 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.527	-0.001	0.029	-0.004	4.681	-0.002	-0.001	0.031
Stddev	0.001	0.059	0.010	0.006	0.001	0.10	0.000	0.000	0.003
%RSD	65.60	11.28	106.2	19.64	30.74	2.047	15.10	52.67	10.29

#1 0.004 0.487 0.008 0.028 -0.004 4.682 -0.002 -0.001 0.034
 #2 0.002 0.596 -0.012 0.035 -0.003 4.690 -0.002 0.000 0.028
 #3 0.001 0.499 0.001 0.024 -0.006 4.671 -0.002 -0.001 0.030

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.298	4.245	1.180	1.066	0.101	0.654	F 189.6	0.098	0.002
Stddev	0.002	0.073	0.21	0.35	0.002	0.003	1.1	0.002	0.007
%RSD	827.8	1.724	1.780	3.249	1.577	3.940	5.835	1.790	337.9

#1 0.300 4.184 1.182 1.102 0.099 0.652 188.5 0.099 0.000
 #2 0.299 4.226 1.158 1.064 0.102 0.657 190.7 0.096 -0.004
 #3 0.295 4.326 1.200 1.033 0.100 0.655 189.5 0.099 0.000

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.007	-0.005	2.469	0.022	0.018	-0.002	-0.032	-0.002	0.089
Stddev	0.007	0.029	0.07	0.001	0.005	0.001	0.016	0.002	0.001
%RSD	97.08	603.1	2.905	5.301	5.026	28.47	50.60	96.90	6.699

#1 0.007 -0.032 2.462 0.023 0.016 -0.002 -0.019 -0.003 0.090
 #2 0.000 -0.008 2.470 0.022 0.015 -0.003 -0.028 0.000 0.088
 #3 0.013 0.026 2.476 0.021 0.024 -0.002 -0.051 -0.004 0.089

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2560.4	5360.5	4089.9	3205.6
Stddev	2.4	8.2	146.	6.4
%RSD	0.9189	1.5362	3.5699	1.9853

#1 2558.2 5369.1 40967. 3198.4
 #2 2562.9 5360.0 40731. 3208.0
 #3 2560.1 5352.6 40998. 3210.4

Sample Name: FA33228-4F Acquired: 4/21/2016 13:26:55 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	2.048	-0.005	0.022	-0.005	5.651	0.000	-0.001	0.030
Stddev	0.001	0.143	0.003	0.004	0.001	0.17	0.000	0.001	0.000
%RSD	15.05	7.002	49.61	18.09	14.81	3.040	364.7	121.9	2.202

#1 0.005 2.160 -0.008 0.022 -0.006 5.657 0.000 -0.002 0.030
 #2 0.005 1.886 -0.005 0.025 -0.005 5.632 0.000 -0.002 0.030
 #3 0.007 2.097 -0.003 0.017 -0.004 5.664 0.000 0.000 0.030

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.411	1.065	1.689	1.251	0.059	2.348	F 353.0	0.085	-0.006
Stddev	0.002	0.06	0.42	0.12	0.000	0.004	3.4	0.002	0.010
%RSD	5.445	5.645	2.469	9.377	5.664	1.576	9.677	2.158	184.4

#1 0.409 1.060 1.641 1.247 0.059 2.352 356.8 0.084 0.003
 #2 0.409 1.064 1.716 1.264 0.059 2.345 352.1 0.087 -0.017
 #3 0.413 1.072 1.709 1.242 0.059 2.347 350.1 0.084 -0.003

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.006	-0.008	3.082	0.053	0.1045	0.006	-0.039	0.008	0.142
Stddev	0.006	0.024	0.03	0.004	0.005	0.000	0.012	0.001	0.000
%RSD	101.9	287.7	1.117	6.799	4.403	6.320	30.46	9.708	2.764

#1 0.013 -0.006 3.083 0.057 0.1047 0.006 -0.034 0.008 0.142
 #2 0.001 -0.034 3.078 0.050 0.1047 0.006 -0.031 0.009 0.142
 #3 0.004 0.015 3.085 0.053 0.1039 0.005 -0.053 0.008 0.141

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2478.9	5298.1	4021.1	3258.4
Stddev	2.3	9.7	87.	9.3
%RSD	0.9255	1.8303	2.1560	2.8503

#1 2479.7 5304.4 40284. 3247.8
 #2 2480.7 5302.9 40116. 3265.0
 #3 2476.3 5286.9 40234. 3262.4

Sample Name: FA33527-1 Acquired: 4/21/2016 13:31:29 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	2.375	-0.004	0.885	-0.004	65.74	-0.003	0.015	0.043
Stddev	.0005	.007	.0003	.0007	.0001	.24	.0000	.0001	.0001
%RSD	491.2	.2766	63.49	.8360	12.83	.3598	1.602	8.611	2.669
#1	-.0006	2.381	-.0007	.0886	-.0005	65.98	-.0003	.0016	.0042
#2	.0003	2.367	-.0002	.0892	-.0004	65.73	-.0003	.0014	.0044
#3	.0000	2.376	-.0004	.0877	-.0004	65.51	-.0003	.0016	.0042
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.022	2.771	6.808	19.29	0.960	-0.005	12.07	0.042	0.009
Stddev	.0001	.005	.057	.05	.0002	.0001	.01	.0002	.0009
%RSD	5.548	.1663	.8353	.2839	.2484	26.86	.0901	5.172	95.64
#1	.0021	2.770	6.865	19.35	.0959	-.0004	12.08	.0041	.0007
#2	.0022	2.776	6.807	19.26	.0963	-.0007	12.07	.0044	.0018
#3	.0023	2.767	6.751	19.26	.0959	-.0006	12.06	.0040	.0002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(In2306)
Avg	-0.003	-0.004	4.081	0.002	0.982	0.382	-0.014	0.026	0.183
Stddev	.0002	.0009	.004	.0002	.0020	.0002	.0008	.0001	.0000
%RSD	65.36	237.1	.1023	96.77	.2906	.4552	55.20	2.810	.2623
#1	-.0001	.0000	4.079	.0003	.6969	.0380	-.0022	.0025	.0183
#2	-.0005	.0003	4.079	.0003	.7005	.0384	-.0009	.0026	.0183
#3	-.0002	-.0015	4.086	.0000	.6970	.0381	-.0010	.0026	.0184
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2764.6	5588.5	43302.	3311.3					
Stddev	3.7	3.1	231.	23.6					
%RSD	.13537	.05509	.53257	.71235					
#1	2761.8	5588.5	43516.	3284.1					
#2	2768.8	5591.5	43058.	3324.1					
#3	2763.1	5585.3	43334.	3325.7					

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Sample Name: MP30261-MB2A Acquired: 4/21/2016 13:35:53 Type: QC
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.002	-0.105	-0.008	-0.006	-0.005	0.016	-0.002	-0.005	-0.004
Stddev	.0003	.0041	.0010	.0002	.0001	.0052	.0000	.0001	.0001
%RSD	124.0	38.99	129.9	39.79	12.63	325.3	16.11	18.47	27.32
#1	.0001	-.0074	-.0011	-.0008	-.0005	-.0028	-.0002	-.0004	-.0004
#2	.0001	-.0151	-.0016	-.0005	-.0004	.0002	-.0003	-.0005	-.0003
#3	.0006	-.0090	.0003	-.0004	-.0005	.0074	-.0002	-.0006	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	-0.171	0.857	0.084	-0.005	-0.018	1.861	-0.006	-0.007
Stddev	.0000	.0012	.0329	.0227	.0000	.0001	.0167	.0001	.0008
%RSD	17.01	7.054	38.43	271.1	7.126	4.190	8.957	18.80	107.4
#1	-.0003	-.0163	.1227	.0222	-.0005	-.0017	.1960	-.0005	-.0015
#2	-.0002	-.0165	.0595	.0207	-.0006	-.0019	.1669	-.0006	.0000
#3	-.0003	-.0185	.0749	-.0178	-.0005	-.0018	.1954	-.0007	-.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.003	0.101	-0.006	-0.004	-0.017	-0.012	-0.008	0.0091
Stddev	.0006	.0014	.0002	.0002	.0000	.0001	.0002	.0003	.0000
%RSD	532.2	517.2	2.215	29.00	10.42	3.649	15.46	30.64	.1779
#1	.0005	.0009	.0100	-.0006	-.0005	-.0016	-.0012	-.0008	.0091
#2	-.0006	-.0013	.0103	-.0005	-.0005	-.0018	-.0014	-.0011	.0092
#3	-.0003	.0012	.0099	-.0008	-.0004	-.0017	-.0010	-.0006	.0091
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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7.2
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Sample Name: MP30261-MB2A Acquired: 4/21/2016 13:35:53 Type: QC
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3017.0	5839.6	46029.	3391.3
Stddev	4.2	4.2	145.	22.7
%RSD	.14077	.07125	.31510	.67030
#1	3015.0	5844.3	45889.	3373.0
#2	3014.2	5837.9	46019.	3384.2
#3	3021.9	5836.5	46179.	3416.8

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Sample Name: CRIA Acquired: 4/21/2016 13:40:24 Type: QC
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.092	0.2037	0.092	0.2089	0.047	1.074	0.052	0.538	0.102
Stddev	.0004	.0056	.0011	.0010	.0001	.007	.0000	.0001	.0002
%RSD	4.439	2.750	11.62	4.947	2.187	6.372	.5760	.1347	1.929
#1	.0088	.2100	.0088	.2100	.0047	1.078	.0052	.0538	.0101
#2	.0091	.2015	.0103	.2089	.0048	1.078	.0052	.0539	.0102
#3	.0096	.1995	.0083	.2079	.0046	1.066	.0052	.0538	.0105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.273	0.3013	10.36	5.279	0.159	0.484	10.38	0.430	0.052
Stddev	.0002	.0037	.05	.062	.0000	.0002	.04	.0001	.0009
%RSD	.7823	1.230	4629	1.180	.2113	.3647	.3384	.3053	17.05
#1	.0274	.3043	10.41	5.313	.0159	.0484	10.42	.0429	.0058
#2	.0275	.3024	10.33	5.317	.0158	.0482	10.37	.0431	.0042
#3	.0271	.2971	10.33	5.207	.0159	.0485	10.35	.0429	.0055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.041	0.098	0.120	0.536	0.098	0.088	0.094	0.490	0.227
Stddev	.0004	.0019	.0002	.0005	.0001	.0001	.0010	.0003	.0001
%RSD	9.896	19.85	1.258	1.019	.5889	1.242	10.24	.5567	.5770
#1	.0037	.0076	.0121	.0534	.0099	.0088	.0093	.0492	.0226
#2	.0042	.0111	.0119	.0532	.0098	.0087	.0104	.0491	.0229
#3	.0045	.0107	.0118	.0543	.0098	.0089	.0085	.0487	.0226
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CRIA Acquired: 4/21/2016 13:40:24 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2928.2	5827.5	44869.	3412.4
Stddev	6.1	.6	114.	28.5
%RSD	.20841	.01033	.25375	.83618

#1	2930.9	5828.1	44981.	3403.5
#2	2921.3	5827.4	44873.	3389.3
#3	2932.6	5826.9	44754.	3444.3

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Sample Name: FA33214-3 Acquired: 4/21/2016 13:44:48 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 250.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.129	-1.369	-0.156	-1.372	-1.228	825.4	-0.653	-0.0899	-1.392
Stddev	.0853	1.531	.1638	.0442	.0183	2.0	.0085	.0207	.0444
%RSD	660.3	111.9	1047.	32.23	14.89	.2406	13.07	23.00	31.90

#1	-0.077	.3855	.0010	-.0912	-.1439	824.6	-.0655	-.0752	-.0910
#2	-1.007	-2.057	-.1872	-1.411	-1.133	823.9	-.0738	-.0809	-.1785
#3	.0697	-2.435	.1392	-1.794	-1.112	827.7	-.0567	-1.135	-1.480

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.184	-3.922	29.64	144.2	-1.169	-2.596	10960.	-1.142	-1.302
Stddev	.0456	.650	18.38	7.2	.0070	.0289	60.	.0756	.2511
%RSD	248.2	16.57	62.02	4.973	5.968	11.14	.5438	66.21	192.9

#1	-.0706	-3.230	46.20	136.5	-.1118	-.2612	10910.	-.0780	-.2465
#2	.0131	-4.520	32.87	150.7	-.1141	-.2299	10930.	-.0635	-.3021
#3	.0024	-4.014	9.857	145.3	-.1249	-.2877	11030.	-.2011	-.1580

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0704	-1.534	4.218	-0.093	11.87	-3.718	.0241	-1.631	1.935
Stddev	.1870	.2759	.030	.0477	.06	.0050	.1647	.0353	.027
%RSD	265.8	179.9	.7189	48.03	4.788	1.348	683.1	21.61	1.400

#1	.2093	.0507	4.183	-.1377	11.87	-.3664	.2002	-.1853	1.904
#2	.1440	-.0435	4.240	-.1144	11.82	-.3729	-.0018	-.1225	1.953
#3	-.1423	-.4672	4.231	-.0459	11.93	-.3762	-.1261	-.1816	1.947

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2841.4	5726.8	43862.	3358.8
Stddev	9.2	10.7	113.	12.0
%RSD	.32378	.18638	.25723	.35674

#1	2841.1	5727.3	43873.	3368.6
#2	2850.8	5737.3	43745.	3362.2
#3	2832.4	5715.9	43970.	3345.4

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7.2
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Sample Name: MP30262-MB1 Acquired: 4/21/2016 13:49:17 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	-0.159	-0.0032	-0.0010	-0.0005	.0040	-0.0004	-0.0005	.0000
Stddev	.0004	.0065	.0003	.0002	.0001	.0038	.0000	.0001	.000
%RSD	243.5	40.70	8.549	24.79	14.13	94.08	4.738	17.31	2232.

#1	.0000	-.0195	-.0031	-.0011	-.0005	.0026	-.0003	-.0006	.0002
#2	-.0007	-.0199	-.0036	-.0007	-.0004	.0083	-.0003	-.0004	-.0003
#3	.0001	-.0084	-.0031	-.0011	-.0005	.0011	-.0004	-.0005	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	-0.092	.0724	.0191	-0.0004	-0.0017	.1461	-0.0005	-0.0002
Stddev	.0001	.0024	.0536	.0153	.0000	.0001	.0123	.0001	.0002
%RSD	53.97	25.58	74.06	79.93	1.535	4.907	8.425	22.30	94.24

#1	-.0004	-.0066	.1331	.0343	-.0004	-.0018	.1513	-.0005	-.0004
#2	-.0002	-.0111	.0524	.0195	-.0004	-.0017	.1321	-.0003	-.0002
#3	-.0001	-.0099	.0316	.0037	-.0004	-.0016	.1550	-.0005	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0014	.0140	.0214	-0.0006	-0.0014	-0.0031	-0.0009	.0004
Stddev	.0001	.0008	.0002	.0004	.0001	.0001	.0013	.0002	.0001
%RSD	14.55	56.15	1.624	2.035	22.23	7.769	43.07	21.61	16.35

#1	.0004	.0007	.0140	.0211	-.0007	-.0013	-.0016	-.0007	.0003
#2	.0005	.0013	.0137	.0213	-.0005	-.0015	-.0039	-.0012	.0004
#3	.0006	.0023	.0142	.0219	-.0005	-.0015	-.0039	-.0009	.0004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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Sample Name: MP30262-MB1 Acquired: 4/21/2016 13:49:17 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2970.5	5719.8	45180.	3331.8
Stddev	3.1	2.9	46.	41.6
%RSD	.10468	.05039	.10156	1.2486

#1	2972.0	5719.1	45194.	3310.0
#2	2966.9	5717.3	45128.	3305.8
#3	2972.5	5722.9	45217.	3379.8

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Sample Name: MP30262-B1 Acquired: 4/21/2016 13:53:48 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0478	27.60	1.998	2.106	.0533	26.43	.0521	.5220	.2121
Stddev	.0006	.03	.004	.005	.0002	.01	.0002	.0008	.0004
%RSD	1.303	.1066	.1749	.2466	.3093	.0419	.3844	.1473	.1954
#1	.0478	27.60	1.998	2.110	.0531	26.42	.0523	.5218	.2125
#2	.0472	27.63	1.994	2.100	.0533	26.44	.0522	.5213	.2120
#3	.0485	27.57	2.001	2.107	.0534	26.42	.0519	.5228	.2117

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2679	27.04	25.44	25.66	.5401	.5107	25.64	.5270	.4967
Stddev	.0014	.04	.05	.04	.0007	.0008	.02	.0008	.0020
%RSD	.5097	.1326	.2135	.1639	.1233	.1561	.0623	.1559	.4065
#1	.2668	27.05	25.45	25.69	.5407	.5107	25.62	.5260	.4950
#2	.2675	27.00	25.49	25.68	.5394	.5099	25.65	.5274	.4989
#3	.2695	27.07	25.38	25.61	.5401	.5115	25.64	.5275	.4961

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5029	2.020	.0226	.5379	.4994	.5135	1.981	.5035	.5227
Stddev	.0017	.004	.0005	.0013	.0015	.0001	.002	.0008	.0006
%RSD	.3466	.1797	2.053	.2459	.2972	.0962	.1624	.1078	
#1	.5024	2.020	.0230	.5364	.4979	.5136	1.980	.5040	.5222
#2	.5015	2.024	.0221	.5390	.4995	.5133	1.980	.5040	.5233
#3	.5049	2.017	.0226	.5384	.5008	.5135	1.983	.5025	.5227

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30262-B1 Acquired: 4/21/2016 13:53:48 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2680.7	5556.1	42926.	3294.1
Stddev	2.8	12.7	31.	11.2
%RSD	.10521	.22778	.07119	.33945
#1	2681.5	5563.8	42946.	3285.7
#2	2683.1	5563.1	42940.	3289.8
#3	2677.6	5541.5	42891.	3306.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2679	27.04	25.44	25.66	.5401	.5107	25.64	.5270	.4967
Stddev	.0014	.04	.05	.04	.0007	.0008	.02	.0008	.0020
%RSD	.5097	.1326	.2135	.1639	.1233	.1561	.0623	.1559	.4065
#1	.2668	27.05	25.45	25.69	.5407	.5107	25.62	.5260	.4950
#2	.2675	27.00	25.49	25.68	.5394	.5099	25.65	.5274	.4989
#3	.2695	27.07	25.38	25.61	.5401	.5115	25.64	.5275	.4961

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5029	2.020	.0226	.5379	.4994	.5135	1.981	.5035	.5227
Stddev	.0017	.004	.0005	.0013	.0015	.0001	.002	.0008	.0006
%RSD	.3466	.1797	2.053	.2459	.2972	.0962	.1624	.1078	
#1	.5024	2.020	.0230	.5364	.4979	.5136	1.980	.5040	.5222
#2	.5015	2.024	.0221	.5390	.4995	.5133	1.980	.5040	.5233
#3	.5049	2.017	.0226	.5384	.5008	.5135	1.983	.5025	.5227

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: FA33230-10 Acquired: 4/21/2016 13:58:01 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0013	13.83	.0189	.1341	.0008	F 2402.	.0027	.0055	.0977
Stddev	.0006	.07	.0007	.0004	.0001	.39.	.0000	.0003	.0005
%RSD	47.56	.5131	3.824	.3191	12.21	1.632	1.629	5.148	.5339
#1	.0019	13.74	.0181	.1345	.0008	2357.	.0028	.0051	.0983
#2	.0015	13.88	.0190	.1341	.0007	2418.	.0027	.0056	.0974
#3	.0007	13.85	.0196	.1337	.0009	2430.	.0027	.0056	.0974

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2095	24.37	.8449	11.01	.2228	.0081	8.369	.0326	.2254
Stddev	.0011	.03	.0140	.02	.0003	.0003	.054	.0002	.0008
%RSD	.5286	.1408	1.657	.2257	.1187	3.214	.6419	.4848	.3403
#1	.2104	24.33	.8310	10.99	.2230	.0083	8.308	.0324	.2245
#2	.2097	24.40	.8590	11.04	.2229	.0082	8.389	.0327	.2259
#3	.2083	24.37	.8447	10.99	.2225	.0078	8.410	.0326	.2258

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0026	.0184	1.038	.0151	F 8.893	.2856	.0053	.0804	.3271
Stddev	.0014	.0028	.005	.0004	.060	.0005	.0017	.0007	.0009
%RSD	54.74	15.01	.5183	2.543	.6752	.1589	31.43	.8336	.2880
#1	-.0041	.0161	1.038	.0149	8.884	.2859	.0071	.0809	.3269
#2	-.0012	.0215	1.033	.0156	8.957	.2858	.0038	.0805	.3263
#3	-.0025	.0177	1.044	.0149	8.838	.2850	.0051	.0796	.3282

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2020.0	5143.7	39789.	3411.4
Stddev	1.6	15.0	42.	17.5
%RSD	.07915	.29153	.10576	.51199
#1	2021.5	5150.3	39834.	3430.8
#2	2020.1	5154.4	39751.	3406.3
#3	2018.3	5126.6	39780.	3397.0

Sample Name: MP30262-D1 Acquired: 4/21/2016 14:02:37 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0039	26.97	.0250	.1944	.0023	F 2309.	.0025	.0098	.1197
Stddev	.0004	.08	.0007	.0013	.0001	.16.	.0001	.0002	.0002
%RSD	11.02	.3061	2.971	.6463	4.972	.7120	2.004	1.755	.1375
#1	.0044	26.98	.0255	.1935	.0021	2326.	.0025	.0098	.1196
#2	.0037	26.88	.0253	.1937	.0023	2307.	.0025	.0096	.1197
#3	.0036	27.04	.0241	.1958	.0024	2293.	.0024	.0099	.1199

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3212	41.31	1.242	13.07	.3736	.0098	9.185	.0396	.3328
Stddev	.0014	.22	.025	.01	.0010	.0003	.076	.0003	.0004
%RSD	.4403	.5279	2.039	.0641	.2557	2.630	.8328	.7119	.1170
#1	.3219	41.26	1.215	13.07	.3738	.0098	9.121	.0398	.3332
#2	.3196	41.12	1.265	13.06	.3726	.0100	9.164	.0393	.3324
#3	.3222	41.55	1.246	13.08	.3745	.0095	9.269	.0398	.3328

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0025	.0181	1.278	.0148	F 8.492	.9277	.0055	.0988	.6831
Stddev	.0012	.0013	.003	.0002	.112	.0016	.0024	.0001	.0009
%RSD	48.23	7.066							

Sample Name: CCV Acquired: 4/21/2016 14:07:13 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2519	40.16	1.998	2.011	1.996	40.97	2.015	2.015	2.005
Stddev	.0007	.05	.003	.007	.003	.07	.003	.002	.005
%RSD	.2943	.1165	.1254	.3749	.1275	.1673	.1561	.0775	.2434

#1	.2515	40.13	1.995	2.009	1.993	41.00	2.015	2.014	2.009
#2	.2514	40.13	2.000	2.005	1.995	41.02	2.018	2.017	1.999
#3	.2527	40.21	1.999	2.020	1.998	40.89	2.012	2.014	2.006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.017	39.10	40.70	40.07	2.019	1.996	40.27	2.015	1.992
Stddev	.007	.05	.02	.20	.004	.003	.03	.002	.009
%RSD	.3743	.1202	.0610	.5014	.2247	.1685	.0836	.1182	.4356

#1	2.020	39.07	40.68	39.92	2.021	1.996	40.24	2.014	1.993
#2	2.008	39.08	40.72	40.30	2.013	1.999	40.27	2.018	2.000
#3	2.022	39.16	40.72	39.99	2.021	1.992	40.31	2.013	1.983

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.009	2.017	1.438	2.030	1.988	2.003	2.016	1.990	2.009
Stddev	.005	.004	.002	.002	.005	.004	.010	.003	.004
%RSD	.2339	.1899	.1057	.0794	.2700	.1866	.4958	.1492	.1824

#1	2.004	2.013	1.436	2.031	1.989	2.005	2.026	1.994	2.008
#2	2.013	2.020	1.438	2.031	1.982	1.999	2.014	1.989	2.013
#3	2.010	2.019	1.439	2.028	1.993	2.006	2.006	1.988	2.006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/21/2016 14:07:13 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2603.3	5563.5	43114.	3309.2
Stddev	5.2	6.9	96.	11.3
%RSD	.19858	.12317	.22339	.34047

#1	2601.9	5571.2	43003.	3320.7
#2	2599.1	5558.4	43176.	3298.1
#3	2609.1	5560.7	43164.	3308.7

Sample Name: CCB Acquired: 4/21/2016 14:11:24 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.0059	-0.0001	-0.0003	-0.0002	.0637	-0.0001	-0.0002	-0.0002
Stddev	.0009	.0053	.0006	.0002	.0001	.0075	.0000	.0001	.0002
%RSD	3011.	89.69	396.0	45.83	53.68	11.85	38.48	44.48	65.29

#1	-.0006	-.0075	-.0006	-.0002	-.0001	.0720	-.0001	-.0001	-.0004
#2	-.0004	-.0102	.0005	-.0004	-.0002	.0619	-.0001	-.0002	-.0002
#3	.0010	.0000	-.0004	-.0005	-.0004	.0572	-.0001	-.0002	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	-0.0013	.1000	.0115	-0.0003	-0.0002	.1221	-0.0001	-0.0004
Stddev	.0002	.0018	.0631	.0183	.0000	.0002	.0041	.0001	.0004
%RSD	64.12	135.1	63.09	159.1	7.611	98.19	3.398	135.8	107.3

#1	-.0002	.0007	.0401	-.0056	-.0003	.0000	.1263	.0000	-.0009
#2	-.0002	-.0021	.0940	.0093	-.0003	-.0003	.1220	-.0002	-.0003
#3	-.0006	-.0027	.1659	.0308	-.0004	-.0004	.1180	-.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0014	.0013	-0.0005	-0.0001	-0.0007	-0.0007	-0.0004	.0001
Stddev	.0005	.0020	.0001	.0003	.0000	.0001	.0006	.0002	.0000
%RSD	251.6	151.4	9.835	63.85	74.37	15.44	79.04	40.83	19.05

#1	-.0003	-.0009	.0014	-.0002	.0000	-.0006	-.0001	-.0005	.0001
#2	.0007	.0032	.0012	-.0008	.0000	-.0008	-.0011	-.0002	.0001
#3	.0002	.0017	.0012	-.0004	-.0001	-.0008	-.0010	-.0004	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/21/2016 14:11:24 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3001.0	5769.8	44971.	3313.8
Stddev	3.8	9.1	329.	31.0
%RSD	.12736	.15783	.73116	.93633

#1	3003.1	5762.8	45169.	3314.8
#2	2996.6	5766.4	45152.	3344.3
#3	3003.4	5780.1	44591.	3282.2

Sample Name: MP30262-SD1 Acquired: 4/21/2016 14:15:55 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	15.56	.0146	.1467	-0.0009	F 3079.	.0023	.0056	.1123
Stddev	.0042	.22	.0023	.0014	.0005	58.	.0002	.0002	.0004
%RSD	2578.	1.422	15.57	.9844	58.73	1.887	8.650	3.370	.3455
#1	.0046	15.80	.0157	.1483	-.0010	3145.	.0025	.0057	.1124
#2	-.0037	15.37	.0161	.1464	-.0014	3038.	.0021	.0054	.1126
#3	-.0004	15.49	.0120	.1454	-.0003	3053.	.0023	.0056	.1118
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.2311	28.37	.8016	13.24	.2581	.0046	9.446	.0382	.2268
Stddev	.0006	.15	.1120	.09	.0020	.0008	.072	.0004	.0041
%RSD	.2674	.5416	13.97	.6499	.7631	16.66	.7597	1.176	1.792
#1	.2314	28.55	.9283	13.14	.2599	.0048	9.528	.0386	.2312
#2	.2316	28.30	.7159	13.29	.2583	.0053	9.418	.0382	.2232
#3	.2304	28.27	.7605	13.29	.2560	.0038	9.393	.0377	.2260
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	-.0140	.0369	1.132	.0173	10.12	.3364	.0023	.0880	.4222
Stddev	.0054	.0058	.003	.0007	.05	.0009	.0073	.0016	.0018
%RSD	38.62	15.72	.2466	3.825	.5018	.2709	318.1	1.778	4.368
#1	-.0159	.0359	1.133	.0174	10.17	.3374	.0104	.0871	.4234
#2	-.0182	.0317	1.133	.0166	10.10	.3360	.0003	.0872	.4231
#3	-.0079	.0432	1.128	.0179	10.07	.3357	-.0038	.0898	.4200
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2406.4	5260.4	4051.0	3235.1					
Stddev	10.4	14.0	157.	31.4					
%RSD	.43363	.26627	.38830	.97110					
#1	2396.3	5250.1	40344.	3202.7					
#2	2405.8	5254.8	40657.	3265.5					
#3	2417.1	5276.4	40528.	3237.3					

Sample Name: MP30262-PS1 Acquired: 4/21/2016 14:20:26 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0534	16.18	.1263	.3884	.0471	F 2384.	.0485	.0507	.1433
Stddev	.0005	.04	.0005	.0005	.0003	11.	.0002	.0001	.0007
%RSD	.8484	.2275	.3591	.1224	.5974	4.506	.4201	.1231	.4824
#1	.0539	16.21	.1258	.3879	.0472	2396.	.0484	.0506	.1431
#2	.0531	16.14	.1265	.3887	.0468	2375.	.0485	.0506	.1427
#3	.0531	16.20	.1266	.3887	.0474	2380.	.0488	.0507	.1440
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.3126	26.87	11.42	15.19	.2674	.1018	18.47	.1208	.2773
Stddev	.0007	.08	.04	.07	.0011	.0004	.02	.0007	.0001
%RSD	.2258	.2878	.3378	.4558	.4034	.3615	.1009	.5474	.0302
#1	.3123	26.87	11.38	15.26	.2669	.1019	18.45	.1202	.2773
#2	.3121	26.80	11.46	15.12	.2668	.1014	18.48	.1208	.2773
#3	.3134	26.95	11.42	15.20	.2687	.1021	18.49	.1215	.2772
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.1051	.1235	1.051	.0584	F 3.748	.1015	.1259	.5580	.5580
Stddev	.0029	.0011	.004	.0007	.118	.0007	.0020	.0002	.0019
%RSD	2.791	.8746	.4081	1.140	1.352	1.736	1.932	1.452	.3473
#1	.1020	.1235	1.046	.0591	8.770	.3776	.1019	.1259	.5569
#2	.1078	.1225	1.053	.0579	8.620	.3786	.1033	.1256	.5569
#3	.1056	.1247	1.054	.0580	8.854	.3788	.0994	.1260	.5602
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1990.4	5059.3	39428.	3384.0					
Stddev	3.3	4.8	51.	11.1					
%RSD	.16497	.09481	.12957	.32931					
#1	1989.4	5063.5	39370.	3383.3					
#2	1987.7	5054.1	39446.	3395.5					
#3	1994.1	5060.3	39467.	3373.2					

Sample Name: MP30262-S1 Acquired: 4/21/2016 14:25:00 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0524	40.88	2.038	2.097	.0471	F 2541.	.0466	.4358	.2793
Stddev	.0003	.16	.004	.012	.0003	26.	.0003	.0007	.0011
%RSD	.5794	.3806	.1834	.5585	.6659	1.018	.6707	1.674	.4044
#1	.0521	40.86	2.035	2.092	.0468	2531.	.0467	.4364	.2798
#2	.0526	41.05	2.037	2.110	.0474	2570.	.0463	.4350	.2780
#3	.0526	40.74	2.042	2.089	.0473	2521.	.0469	.4360	.2800
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.4754	51.71	26.86	31.84	.7145	.4421	34.92	4.679	.7775
Stddev	.0011	.21	.04	.23	.0055	.0014	.16	.0010	.0033
%RSD	.2295	.4039	.1313	.7139	.7754	.3235	.4441	2.132	.4289
#1	.4752	51.73	26.82	31.81	.7193	.4417	34.80	4.691	.7809
#2	.4766	51.91	26.88	32.08	.7084	.4409	35.09	4.676	.7774
#3	.4744	51.49	26.88	31.63	.7157	.4437	34.86	4.671	.7743
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.2547	2.043	1.655	.4362	F 9.487	.7840	1.922	.5305	.8425
Stddev	.0002	.005	.002	.0011	.125	.0030	.003	.0042	.0027
%RSD	.0817	.2532	.1416	.2616	1.314	.3876	.1444	.7824	.3229
#1	.2549	2.043	1.654	.4367	9.470	.7874	1.919	.5353	.8457
#2	.2547	2.038	1.653	.4349	9.620	.7816	1.923	.5279	.8410
#3	.2545	2.049	1.657	.4371	9.372	.7830	1.925	.5284	.8409
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1944.2	5066.1	39575.	3369.5					
Stddev	2.2	10.5	223.	22.9					
%RSD	.11514	.20701	.56467	.68087					
#1	1945.0	5072.4	39328.	3370.8					
#2	1946.0	5071.9	39764.	3346.0					
#3	1941.7	5054.0	39633.	3391.8					

Sample Name: MP30262-S2 Acquired: 4/21/2016 14:29:30 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0517	48.82	1.973	F 4.422	.0477	F 2424.	.0457	.4288	.3159
Stddev	.0011	.24	.006	.023	.0002	3.	.0002	.0006	.0023
%RSD	2.145	.4845	.3293	51.38	.3619	.1337	.3920	.1358	.7367
#1	.0529	48.55	1.973	4.396	.0478	2421.	.0457	.4293	.3132
#2	.0507	48.91	1.966	4.430	.0476	2423.	.0455	.4281	.3172
#3	.0516	49.00	1.979	4.439	.0479	2428.	.0458	.4288	.3173
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.5395	58.93	27.08	32.45	.7786	.4331	35.22	4.696	.7775
Stddev	.0005	.11	.15	.13	.0031	.0012	.22	.0014	.0039
%RSD	.0957	.1906	.5717	.3887	.3962	.2792	.6355	.2898	.5048
#1	.5392	58.81	26.96	32.33	.7751	.4342	34.97	4.702	.7733
#2	.5401	58.95	27.03	32.45	.7797	.4318	35.33	4.680	.7779
#3	.5392	59.03	27.25	32.58	.7810	.4333	35.38	4.705	.7812
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(ln2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg									

Sample Name: FA33230-1 Acquired: 4/21/2016 14:34:01 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	15.78	0.438	0.863	0.019	50.33	0.023	0.0037	0.1523
Stddev	0.0005	0.05	0.0005	0.0003	0.0000	0.11	0.0000	0.0000	0.0008
%RSD	202.0	3387	1.078	3237	1.521	2263	1.228	1.094	4981
#1	-0.007	15.75	0.435	0.866	0.019	50.24	0.022	0.0037	0.1515
#2	-0.003	15.74	0.436	0.861	0.019	50.46	0.023	0.0037	0.1530
#3	0.003	15.84	0.443	0.862	0.019	50.31	0.023	0.0037	0.1523
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0384	51.27	6.248	2.830	2.451	-0.006	4.751	0.137	0.539
Stddev	0.0001	0.06	0.172	0.029	0.0005	0.0001	0.138	0.0001	0.0005
%RSD	3667	1203	2.746	1.035	2.118	18.84	2.904	1.001	9083
#1	0.0384	51.20	6.402	2.806	2.446	-0.006	4.878	0.139	0.540
#2	0.0386	51.29	6.280	2.862	2.457	-0.005	4.770	0.137	0.534
#3	0.0384	51.31	6.063	2.822	2.451	-0.007	4.604	0.136	0.544
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.004	0.012	9.558	0.134	4.310	2.984	-0.031	0.0633	0.383
Stddev	0.0012	0.0006	0.021	0.0003	0.019	0.011	0.014	0.0001	0.0001
%RSD	277.1	51.74	2.202	2.444	4.320	3.789	44.55	1.711	3655
#1	0.0001	0.012	9.543	0.138	4.299	2.972	-0.043	0.0632	0.382
#2	-0.0018	0.017	9.582	0.131	4.299	2.987	-0.016	0.0633	0.385
#3	0.0004	0.0005	9.549	0.134	4.331	2.994	-0.033	0.0634	0.383
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2757.5	6502.2	50467.	3717.2					
Stddev	1.9	3.0	92.	16.8					
%RSD	0.06944	0.04576	0.18273	0.45180					
#1	2758.8	6505.4	50556.	3734.9					
#2	2758.5	6499.6	50474.	3701.5					
#3	2755.3	6501.4	50372.	3715.2					

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Sample Name: FA33230-2 Acquired: 4/21/2016 14:38:22 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	11.92	0.336	0.655	0.014	31.68	0.013	0.0027	0.1134
Stddev	0.0003	0.04	0.0005	0.0001	0.0000	0.02	0.0000	0.0001	0.0003
%RSD	122.3	3318	1.524	1.236	2.343	0.675	3.110	4.350	2213
#1	0.001	11.94	0.341	0.656	0.014	31.71	0.013	0.0027	0.1131
#2	-0.005	11.87	0.332	0.656	0.014	31.68	0.013	0.0029	0.1134
#3	-0.003	11.94	0.334	0.655	0.014	31.66	0.014	0.0026	0.1136
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0288	39.06	5.662	2.150	1.931	-0.009	3.609	0.006	0.387
Stddev	0.0002	0.12	0.164	0.025	0.0002	0.0001	0.144	0.0002	0.0003
%RSD	6963	3070	2.903	1.143	0.846	7.063	4.003	2.193	6583
#1	0.0289	39.16	5.554	2.159	1.933	-0.008	3.754	0.007	0.387
#2	0.0286	38.93	5.581	2.169	1.931	-0.009	3.465	0.008	0.384
#3	0.0290	39.09	5.581	2.122	1.929	-0.010	3.606	0.009	0.389
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.002	-0.003	8.250	0.138	2.940	2.570	-0.032	0.0483	0.294
Stddev	0.0003	0.0015	0.017	0.0003	0.008	0.003	0.014	0.0001	0.0001
%RSD	136.1	518.7	2.104	2.235	2.804	1.133	43.00	2.836	4514
#1	0.0000	-0.0019	8.230	0.141	2.949	2.572	-0.016	0.0483	0.293
#2	0.0001	0.0011	8.260	0.135	2.933	2.572	-0.039	0.0485	0.293
#3	0.0006	0.0000	8.260	0.139	2.938	2.567	-0.041	0.0482	0.296
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2808.0	6312.7	49209.	3674.6					
Stddev	4.2	5.0	154.	10.1					
%RSD	0.14828	0.07855	0.31355	0.27377					
#1	2803.5	6307.0	49348.	3685.3					
#2	2811.7	6316.3	49043.	3673.3					
#3	2808.8	6314.7	49236.	3665.3					

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7.2
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Sample Name: FA33230-14 Acquired: 4/21/2016 14:42:43 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.034	20.72	0.091	2.124	0.011	1026.	0.044	0.051	1.186
Stddev	0.0004	0.03	0.0005	0.007	0.0001	8.	0.0000	0.0002	0.0002
%RSD	12.71	1.635	5.916	3.221	5.382	7.568	0.0928	3.169	1.964
#1	0.037	20.72	0.086	2.117	0.012	1020.	0.044	0.049	1.188
#2	0.029	20.68	0.090	2.130	0.011	1035.	0.044	0.052	1.187
#3	0.035	20.75	0.097	2.124	0.011	1023.	0.044	0.052	1.184
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.193	25.72	1.204	7.619	3.586	0.022	2.882	0.0212	3.483
Stddev	0.0023	0.02	0.028	0.015	0.0012	0.0001	0.007	0.0002	0.0026
%RSD	5.410	0.739	2.357	1.932	3.322	3.002	2.547	8.241	7.381
#1	0.179	25.72	1.235	7.602	3.585	0.021	2.879	0.0211	3.470
#2	0.179	25.73	1.179	7.626	3.575	0.021	2.890	0.0214	3.513
#3	0.181	25.70	1.198	7.628	3.598	0.022	2.876	0.0212	3.467
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.014	0.098	1.174	0.150	2.659	1.255	0.002	0.0599	0.5995
Stddev	0.0012	0.010	0.001	0.0003	0.004	0.002	0.0008	0.0003	0.0015
%RSD	84.32	9.913	0.0487	2.130	1.414	1.669	373.3	5.017	2.493
#1	-0.014	0.101	1.175	0.152	2.663	1.253	0.001	0.0597	0.5979
#2	-0.002	0.087	1.174	0.151	2.660	1.255	-0.005	0.0598	0.6008
#3	-0.026	0.106	1.175	0.146	2.655	1.257	0.011	0.0603	0.5999
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2280.7	5318.9	41453.	3341.5					
Stddev	4.4	3.5	199.	11.7					
%RSD	0.19110	0.06523	0.47974	0.35138					
#1	2285.4	5320.3	41293.	3338.4					
#2	2276.8	5321.5	41676.	3331.7					
#3	2279.9	5315.0	41392.	3354.5					

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Sample Name: FA33227-1 Acquired: 4/21/2016 14:47:13 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	18.40	0.061	1.631	0.008	502.2	0.013	0.0036	0.817
Stddev	0.0004	0.04	0.0006	0.013	0.0001	6.1	0.0001	0.0001	0.0001
%RSD	177.6	2.280	10.52	7.912	15.43	1.209	5.443	1.478	1.742
#1	0.0000	18.42	0.063	1.623	0.008	496.1	0.014	0.0035	0.816
#2	0.0000	18.43	0.054	1.646	0.009	508.2	0.012	0.0036	0.817
#3	-0.0006	18.36	0.067	1.624	0.007	502.3	0.014	0.0035	0.819
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)							

Sample Name: FA33227-2 Acquired: 4/21/2016 14:51:43 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0005	17.26	.0036	.2692	.0006	F 706.6	.0021	.0044	.0748
Stddev	.0003	.06	.0010	.0009	.0001	10.5	.0000	.0000	.0001
%RSD	48.98	.3292	28.75	.3274	17.42	1.489	.4676	.5028	.1523
#1	.0008	17.20	.0027	.2684	.0005	698.9	.0021	.0044	.0749
#2	.0004	17.31	.0034	.2689	.0007	702.3	.0021	.0044	.0748
#3	.0004	17.28	.0047	.2701	.0007	718.6	.0021	.0044	.0747
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0366	11.22	1.002	5.884	1.827	-.0004	.9618	.0180	.0582
Stddev	.0003	.05	.017	.065	.004	.0001	.0076	.0001	.0007
%RSD	.9293	.4162	1.729	1.097	.2299	19.03	.7906	.5346	1.167
#1	.0365	11.17	.9845	5.857	1.830	-.0004	.9615	.0179	.0574
#2	.0362	11.26	1.002	5.837	1.830	-.0005	.9544	.0180	.0585
#3	.0369	11.24	1.019	5.958	1.822	-.0003	.9696	.0181	.0586
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	-.0021	.0052	1.200	.0137	.8316	.1922	-.0017	.0537	.0835
Stddev	.0017	.0014	.008	.0001	.0034	.0006	.0009	.0001	.0001
%RSD	80.57	26.71	.6552	.3757	.4125	.2927	55.10	.2367	.1693
#1	-.0036	.0060	1.191	.0137	.8277	.1928	-.0026	.0536	.0833
#2	-.0003	.0060	1.203	.0137	.8339	.1917	-.0016	.0538	.0836
#3	-.0025	.0036	1.206	.0136	.8332	.1922	-.0008	.0536	.0836
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2372.9	5572.6	43237.	3405.1					
Stddev	7.4	22.3	121.	16.9					
%RSD	.31392	.40003	.27976	.49753					
#1	2378.9	5595.1	43216.	3423.5					
#2	2375.3	5572.3	43128.	3390.1					
#3	2364.6	5550.5	43367.	3401.8					

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Sample Name: FA33227-3 Acquired: 4/21/2016 14:56:13 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-.0004	133.5	.0575	1.028	.0056	F 2387.	.0071	.0266
Stddev	.0002	.3	.0007	.004	.0000	32.	.0001	.0001
%RSD	43.89	.2138	1.184	.3552	.1805	1.323	.9167	.3475
#1	-.0003	133.4	.0578	1.031	.0056	2359.	.0071	.0268
#2	-.0003	133.4	.0580	1.024	.0056	2381.	.0070	.0266
#3	-.0006	133.9	.0567	1.028	.0056	2421.	.0071	.0266
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(In2306)
Avg	.5667	.0516	76.09	2.936	20.82	1.657	.0008	2.635
Stddev	.0031	.0002	.17	.018	.15	.006	.0001	.007
%RSD	.5500	.4377	.2285	.5988	.7289	.3457	16.14	.2670
#1	.5684	.0514	75.89	2.941	20.68	1.651	.0008	2.642
#2	.5631	.0518	76.15	2.917	20.80	1.662	.0006	2.634
#3	.5685	.0516	76.21	2.951	20.98	1.657	.0009	2.628
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.1056	.1631	F-.0050	.0084	1.169	.0104	F 4.354	.5754
Stddev	.0002	.0018	.0002	.0005	.001	.0002	.030	.0007
%RSD	.2031	1.113	3.016	5.448	.0473	1.976	.6834	.1163
#1	.1055	.1643	-.0049	.0088	1.169	.0104	4.320	.5757
#2	.1054	.1610	-.0050	.0079	1.170	.0101	4.366	.5759
#3	.1058	.1639	-.0052	.0086	1.169	.0105	4.377	.5746
Elem	Tl1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	-.0031	.3484	.1778					
Stddev	.0028	.0016	.0002					
%RSD	90.56	.4547	.1290					
#1	-.0062	.3494	.1775					
#2	-.0007	.3466	.1780					
#3	-.0024	.3493	.1778					

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7.2
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Sample Name: FA33227-3 Acquired: 4/21/2016 14:56:13 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1790.8	8788.2	68222.	5699.3
Stddev	5.9	8.5	135.	35.3
%RSD	.33062	.09690	.19787	.61973
#1	1784.6	8778.4	68138.	5732.6
#2	1791.3	8792.0	68150.	5703.0
#3	1796.4	8794.1	68378.	5662.3

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Sample Name: CCV Acquired: 4/21/2016 15:00:54 Type: QC
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2540	40.73	1.995	2.036	2.002	41.50	2.020	2.027	2.034
Stddev	.0015	.22	.003	.010	.005	.26	.000	.001	.004
%RSD	.5749	.5433	.1436	.4874	.2552	.6345	.0058	.0624	.1803
#1	.2556	40.87	1.997	2.038	2.001	41.57	2.020	2.028	2.038
#2	.2527	40.85	1.992	2.044	2.008	41.73	2.020	2.027	2.031
#3	.2537	40.47	1.997	2.025	1.998	41.21	2.020	2.026	2.033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.045	39.41	43.33	40.40	2.044	2.014	41.64	2.020	1.994
Stddev	.004	.16	.15	.26	.002	.002	.11	.001	.003
%RSD	.1980	.3991	.3511	.6473	.0886	.0976	.2565	.0680	.1606
#1	2.041	39.48	43.37	40.25	2.044	2.015	41.64	2.022	1.991
#2	2.049	39.53	43.45	40.70	2.046	2.011	41.75	2.020	1.993
#3	2.045	39.24	43.16	40.25	2.042	2.014	41.54	2.019	1.997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.012	2.013	1.440	2.042	2.014	2.023	2.025	2.002	2.014
Stddev	.002	.005	.002	.002	.004	.002	.002	.005	.003
%RSD	.0814	.2383	.1529	.0731	.1942	.1104	.0726	.2694	.1527
#1	2.014	2.019	1.443	2.043	2.012	2.023	2.025	2.005	2.011
#2	2.010	2.011	1.439	2.041	2.019	2.026	2.026	1.996	2.015
#3	2.013	2.010	1.440	2.044	2.012	2.021	2.024	2.006	2.017
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 4/21/2016 15:00:54 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2591.7	5529.3	42629.	3149.4
Stddev	4.2	4.2	79.	14.9
%RSD	.16103	.07557	.18463	.47235

#1	2595.6	5533.4	42539.	3144.6
#2	2592.0	5529.4	42685.	3137.5
#3	2587.3	5525.0	42663.	3166.1

Sample Name: CCB Acquired: 4/21/2016 15:05:05 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	3044.8	5865.7	45342.	3233.9
Stddev	10.2	17.9	247.	9.4
%RSD	.33337	.30577	.54482	.29040

#1	3033.4	5845.7	45287.	3242.8
#2	3048.1	5871.1	45126.	3224.1
#3	3052.9	5880.4	45611.	3235.0

Sample Name: CCB Acquired: 4/21/2016 15:05:05 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0000	-0.0023	-0.0003	-0.0004	-0.0003	F.1102	-0.0001	-0.0001	-0.0005
Stddev	.000	.0029	.0010	.0008	.0000	.0160	.0000	.0001	.0001
%RSD	24020.	129.4	357.5	214.7	12.63	14.51	49.10	111.5	13.72

#1	.0002	-0.0056	-0.0014	-0.0003	-0.0003	.1263	-0.0001	.0000	-0.0005
#2	-0.0002	-0.0006	.0006	.0004	-0.0003	.1099	.0000	-0.0001	-0.0005
#3	.0000	-0.0005	-0.0001	-0.0013	-0.0003	.0943	-0.0001	-0.0002	-0.0006

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.1000			
Low Limit						-1.0000			

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-0.0003	-0.0018	-0.0045	.0017	-0.0003	-0.0003	.0594	-0.0003	-0.0003
Stddev	.0001	.0031	.0316	.0172	.0000	.0004	.0074	.0001	.0004
%RSD	44.57	166.6	707.8	1029.	6.712	128.7	12.51	32.51	126.3

#1	-0.0001	.0013	.0253	.0149	-0.0003	-0.0001	.0596	-0.0005	-0.0007
#2	-0.0003	-0.0020	-0.0010	-0.0177	-0.0004	-0.0001	.0519	-0.0003	.0000
#3	-0.0004	-0.0048	-0.0377	.0078	-0.0004	-0.0007	.0667	-0.0003	-0.0002

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0003	.0004	.0013	-0.0003	-0.0001	-0.0009	.0000	-0.0005	-0.0001
Stddev	.0007	.0004	.0002	.0001	.0000	.0000	.0006	.0001	.0001
%RSD	261.9	94.57	17.45	24.34	92.42	5.104	2774.	24.07	69.68

#1	.0008	.0004	.0015	-0.0004	-0.0001	-0.0009	.0003	-0.0004	-0.0001
#2	.0006	.0008	.0011	-0.0003	.0000	-0.0009	-0.0007	-0.0006	-0.0001
#3	-0.0005	.0000	.0013	-0.0003	-0.0001	-0.0010	.0004	-0.0005	.0000

Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

7.2
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Sample Name: FA33227-4 Acquired: 4/21/2016 15:09:37 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_3710)	Ba4554 (Y_3710)	Be3130 (Y_3600)	Ca3179 (Y_2243)	Cd2265 (Y_3710)	Co2286 (Y_2243)	Cr2677 (In2306)
Avg	.0000	12.81	.0028	.1691	.0003	496.3	.0012	.0032	.0519
Stddev	.001	.03	.0005	.0005	.0001	2.8	.0001	.0001	.0004
%RSD	3164.	.2106	18.24	.3132	19.49	.5574	5.372	3.714	.8103

#1	.0002	12.78	.0024	.1691	.0002	498.9	.0011	.0030	.0522
#2	-0.0006	12.83	.0034	.1685	.0003	496.7	.0013	.0032	.0520
#3	.0003	12.83	.0026	.1696	.0004	493.4	.0012	.0032	.0514

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.0247	19.01	.6328	4.033	.8148	-0.0003	.4365	.0129	.0191
Stddev	.0003	.08	.0094	.031	.0016	.0001	.0052	.0002	.0009
%RSD	1.142	.3996	1.480	.7774	.1924	24.36	1.185	1.468	4.456

#1	.0250	18.93	.6308	4.016	.8166	-0.0002	.4420	.0128	.0181
#2	.0244	19.08	.6246	4.013	.8144	-0.0004	.4357	.0131	.0194
#3	.0247	19.01	.6430	4.069	.8136	-0.0003	.4318	.0128	.0197

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_2243)	Zn2062 (Y_2243)
Avg	-0.0018	.0052	1.285	.0145	.5632	.1516	-0.0018	.0370	.0521
Stddev	.0005	.0008	.002	.0001	.0010	.0003	.0004	.0002	.0002
%RSD	26.63	15.42	.1499	.7773	.1766	.1975	19.98	.5368	.3168

#1	-0.0023	.0043	1.285	.0145	.5627	.1519	-0.0022	.0368	.0522
#2	-0.0015	.0057	1.284	.0146	.5643	.1517	-0.0018	.0372	.0522
#3	-0.0015	.0056	1.287	.0143	.5625	.1513	-0.0014	.0370	.0519

Int. Std. Avg	In2306 7.7	Y_2243 13.0	Y_3600 74.	Y_3710 17.1
%RSD	.31276	.23388	.17173	.51713
#1	2444.5	5536.8	42925.	3316.8
#2	2455.2	5555.1	43072.	3283.8
#3	2440.4	5530.0	43011.	3292.9

Sample Name: FA33227-5 Acquired: 4/21/2016 15:14:08 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

Sample Name: FA33227-7 Acquired: 4/21/2016 15:23:16 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

Sample Name: FA33227-6 Acquired: 4/21/2016 15:18:52 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

Sample Name: MP30263-MB1 Acquired: 4/21/2016 15:27:44 Type: QC
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286) and 11 rows (Units, Avg, Stddev, %RSD, #1, #2, #3, Check ?, High Limit, Low Limit, Elem, Units, Avg, Stddev, %RSD, #1, #2, #3, Check ?, High Limit, Low Limit).

7.2

Sample Name: MP30263-MB1 Acquired: 4/21/2016 15:27:44 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	-0.0039	-0.0035	F_0304
Stddev	.0008	.0011	.0001
%RSD	21.30	32.92	.3157

#1	-0.0045	-0.0030	.0305
#2	-0.0042	-0.0048	.0305
#3	-0.0029	-0.0027	.0303

Check ? **Chk Pass** **Chk Pass** **Chk Fail**
 High Limit .0100
 Low Limit -.0100

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3034.5	5879.4	46000.	3347.0
Stddev	4.6	2.1	214.	9.4
%RSD	.15137	.03492	.46556	.27957

#1	3029.3	5881.2	45794.	3345.4
#2	3038.1	5879.8	46221.	3338.5
#3	3036.2	5877.1	45984.	3357.0

Sample Name: MP30263-B1 Acquired: 4/21/2016 15:32:16 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0481	28.17	2.007	2.124	.0501	26.92	.0523	.5377	.2116
Stddev	.0008	.26	.009	.012	.0000	.10	.0002	.0006	.0005
%RSD	1.741	.9381	.4734	.5826	.0275	.3837	.4285	.1187	.2556

#1	.0473	28.19	2.012	2.110	.0501	26.86	.0522	.5372	.2113
#2	.0480	28.42	2.014	2.133	.0501	27.04	.0525	.5384	.2122
#3	.0489	27.89	1.997	2.128	.0501	26.87	.0522	.5375	.2111

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2700	27.21	26.95	26.06	.5542	.4994	26.49	.5439	.5047
Stddev	.0022	.11	.27	.37	.0019	.0009	.07	.0010	.0047
%RSD	.8001	.4026	1.006	1.403	.3338	.1842	.2667	.1907	.9223

#1	.2711	27.16	26.64	25.92	.5564	.4991	26.52	.5451	.5018
#2	.2675	27.34	27.15	26.48	.5530	.4987	26.54	.5433	.5021
#3	.2714	27.14	27.06	25.79	.5533	.5005	26.41	.5434	.5100

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5026	2.050	.0333	.5876	.5058	.5167	2.070	.4917	.5740
Stddev	.0083	.005	.0014	.0014	.0021	.0004	.009	.0019	.0004
%RSD	1.656	.2296	4.282	.2350	.4191	.0805	.4520	.3898	.0764

#1	.4930	2.055	.0319	.5860	.5034	.5171	2.079	.4937	.5743
#2	.5061	2.048	.0347	.5886	.5075	.5168	2.060	.4914	.5741
#3	.5085	2.046	.0334	.5882	.5066	.5163	2.071	.4900	.5735

Check ? **Chk Pass** **Chk Pass** **None** **Chk Pass** **None** **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value Range

7.2
7

Sample Name: MP30263-B1 Acquired: 4/21/2016 15:32:16 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2894.7	5770.4	44481.	3230.6
Stddev	15.6	21.3	143.	18.6
%RSD	.53958	.36928	.32162	.57681

#1	2911.9	5794.8	44468.	3232.1
#2	2890.5	5760.8	44344.	3211.2
#3	2881.6	5755.6	44629.	3248.4

Sample Name: FA31998-1 Acquired: 4/21/2016 15:36:37 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0011	536.7	.1163	2.052	.0138	52.38	-0.0002	.1024	.7197
Stddev	.0021	1.2	.0039	.009	.0001	.21	.0004	.0005	.0027
%RSD	190.7	.2156	3.337	4.563	.3860	.3953	239.0	.4691	.3806

#1	.0001	538.0	.1120	2.061	.0138	52.59	-.0003	.1028	.7182
#2	-.0036	536.1	.1194	2.043	.0137	52.18	-.0005	.1019	.7180
#3	.0001	535.9	.1177	2.050	.0138	52.37	.0003	.1026	.7228

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.525	358.0	29.85	65.12	4.915	.0011	4.301	.5657	6.177
Stddev	.002	1.3	.40	.28	.018	.0004	.022	.0006	.021
%RSD	.1041	.3756	1.327	.4285	.3740	35.36	.5093	.1088	.3337

#1	1.523	359.5	30.30	65.34	4.902	.0015	4.317	.5660	6.200
#2	1.525	357.5	29.65	65.22	4.908	.0012	4.310	.5661	6.160
#3	1.526	357.0	29.59	64.81	4.936	.0007	4.276	.5650	6.172

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0151	-0.0076	3.102	.0458	.7565	13.90	.0002	.6695	.9094
Stddev	.0058	.0054	.003	.0006	.0007	.03	.0057	.0034	.0013
%RSD	38.12	72.04	.0972	1.201	.0897	2.404	3123.	.5121	.1407

#1	.0218	-.0065	3.102	.0463	.7572	13.88	.0065	.6668	.9093
#2	.0114	-.0135	3.099	.0459	.7564	13.89	-.0045	.6684	.9081
#3	.0122	-.0027	3.105	.0452	.7558	13.94	-.0015	.6734	.9107

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2798.8	5964.0	44612.	3273.0
Stddev	7.9	10.5	125.	26.8
%RSD	.28309	.17609	.28112	.81957

#1	2789.8	5954.5	44736.	3252.0
#2	2804.8	5975.3	44617.	3263.7
#3	2801.8	5962.1	44485.	3303.2

Sample Name: MP30263-D1 Acquired: 4/21/2016 15:40:59 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.010	530.3	1.208	2.071	0.137	52.28	0.006	1.026	7.121
Stddev	0.0028	2.4	0.024	0.007	0.002	0.25	0.003	0.009	0.020
%RSD	283.0	4511	1.975	0.3164	1.729	4829	50.75	0.8320	2805
#1	-0.027	533.0	1.197	2.078	0.134	52.54	0.010	1.034	7.131
#2	-0.022	528.4	1.192	2.065	0.136	52.04	0.003	1.027	7.098
#3	-0.025	529.5	1.236	2.070	0.139	52.25	0.006	1.017	7.135
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.518	354.1	29.44	64.69	4.895	0.006	4.380	5.641	6.253
Stddev	0.005	1.3	0.08	0.18	0.006	0.013	0.054	0.016	0.015
%RSD	0.3119	0.3769	0.2794	0.2833	0.1250	212.1	1.240	0.2850	0.2375
#1	1.522	355.2	29.50	64.89	4.888	0.015	4.383	5.645	6.253
#2	1.520	352.6	29.47	64.53	4.896	0.012	4.324	5.655	6.267
#3	1.513	354.4	29.34	64.66	4.900	-0.009	4.432	5.623	6.237
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.144	-0.005	2.978	0.451	0.7585	13.36	-0.039	6.601	9.250
Stddev	0.0045	0.0142	0.124	0.012	0.012	0.02	0.046	0.021	0.029
%RSD	31.18	287.3	4.726	2.757	1.596	13.78	117.1	0.3218	0.3179
#1	0.138	-0.139	2.986	0.456	0.7598	13.35	-0.055	6.591	9.262
#2	0.192	-0.020	2.986	0.461	0.7582	13.38	0.012	6.586	9.271
#3	0.103	0.144	2.962	0.437	0.7575	13.36	-0.076	6.625	9.214
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2748.1	5853.3	44376.	3275.7					
Stddev	3.6	12.4	19.	23.1					
%RSD	0.13259	0.21133	0.04223	0.70397					
#1	2744.4	5845.2	44378.	3251.5					
#2	2748.3	5847.1	44357.	3278.1					
#3	2751.7	5867.5	44394.	3297.4					

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Sample Name: MP30263-D2 Acquired: 4/21/2016 15:45:19 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.015	584.1	1.317	2.234	0.145	56.50	0.005	1.114	8.019
Stddev	0.006	3.5	0.052	0.013	0.002	0.38	0.005	0.002	0.014
%RSD	43.82	6037	3.987	0.5853	1.678	6703	101.8	0.1416	1744
#1	-0.011	587.6	1.369	2.249	0.145	56.79	0.001	1.113	8.033
#2	-0.022	584.2	1.316	2.229	0.143	56.63	0.011	1.116	8.020
#3	-0.011	580.6	1.264	2.224	0.148	56.07	0.004	1.114	8.005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.657	386.6	32.24	69.88	5.259	0.023	4.715	6.187	7.142
Stddev	0.009	1.7	0.44	0.13	0.014	0.003	0.026	0.016	0.011
%RSD	0.5416	0.4500	1.368	0.1799	0.2692	12.57	0.5515	0.2524	0.1492
#1	1.667	388.5	32.68	69.84	5.269	0.024	4.738	6.201	7.130
#2	1.652	386.2	32.25	69.78	5.265	0.026	4.687	6.190	7.144
#3	1.652	385.0	31.80	70.02	5.243	0.020	4.719	6.170	7.151
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.227	-0.147	3.686	0.582	8.227	14.94	-0.036	7.306	9.690
Stddev	0.0067	0.030	0.001	0.012	0.041	0.04	0.073	0.030	0.027
%RSD	29.69	20.15	0.264	1.984	0.500	0.2637	205.0	0.4136	0.2808
#1	0.304	-0.146	3.687	0.578	8.267	14.98	0.039	7.326	9.722
#2	0.184	-0.118	3.685	0.573	8.230	14.93	-0.039	7.320	9.671
#3	0.191	-0.177	3.686	0.595	8.184	14.90	-0.107	7.271	9.679
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2692.1	5776.2	43409.	3216.6					
Stddev	6.2	6.3	135.	10.0					
%RSD	0.22977	0.10892	0.31183	0.31045					
#1	2699.2	5770.7	43438.	3217.2					
#2	2687.7	5774.9	43262.	3206.3					
#3	2689.6	5783.0	43528.	3226.3					

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7.2
7

Sample Name: MP30263-SD1 Acquired: 4/21/2016 15:49:41 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.057	569.7	1.212	2.193	0.052	53.94	-0.042	1.045	7.413
Stddev	0.0096	4.5	0.025	0.022	0.021	0.28	0.010	0.010	0.098
%RSD	168.7	7931	10.29	1.019	40.30	5149	23.58	0.9284	1.321
#1	-0.041	565.0	1.105	2.172	0.032	53.70	-0.054	1.056	7.423
#2	0.030	570.0	1.181	2.191	0.050	53.87	-0.037	1.038	7.505
#3	-0.159	574.0	1.349	2.216	0.074	54.24	-0.036	1.041	7.310
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.522	370.5	33.39	68.49	5.041	-0.092	7.928	5.946	6.183
Stddev	0.017	2.1	1.45	0.93	0.011	0.015	0.202	0.077	0.040
%RSD	1.111	0.5610	4.346	1.364	0.2203	3.868	2.542	1.294	0.6513
#1	1.541	368.4	32.07	67.57	5.053	-0.037	7.697	6.034	6.168
#2	1.512	370.5	33.16	68.47	5.032	-0.049	8.019	5.891	6.153
#3	1.512	372.6	34.95	69.44	5.038	-0.039	8.069	5.913	6.229
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.029	-0.032	60.22	0.345	0.7898	15.52	-0.020	6.721	1.052
Stddev	0.0104	0.0167	2.08	0.029	0.0074	0.21	0.050	0.086	0.003
%RSD	358.6	44.90	3.452	8.282	0.9333	1.330	22.69	1.282	0.3180
#1	0.091	-0.048	62.57	0.313	0.7813	15.75	-0.027	6.691	1.050
#2	-0.086	-0.048	58.62	0.352	0.7943	15.46	-0.190	6.818	1.056
#3	-0.092	-0.180	59.46	0.368	0.7939	15.35	-0.192	6.654	1.050
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2942.4	5935.1	45009.	3243.2					
Stddev	2.3	1.2	124.	29.9					
%RSD	0.07813	0.02013	0.27654	0.92272					
#1	2943.7	5936.4	45153.	3270.3					
#2	2939.8	5934.4	44931.	3248.3					
#3	2943.8	5934.3	44944.	3211.1					

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Sample Name: CCV Acquired: 4/21/2016 15:54:02 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2527	40.70	1.975	2.045	1.977	40.84	1.999	2.011	2.023
Stddev	0.003	0.12	0.003	0.005	0.003	0.10	0.001	0.002	0.003
%RSD	0.0995	0.3028	0.1408	0.2550	0.1618	0.2338	0.0621	0.0848	0.1252
#1	2526	40.84	1.972	2.050	1.980	40.90	1.998	2.011	2.023
#2	2530	40.61	1.975	2.044	1.979	40.88	2.000	2.010	2.026
#3	2526	40.64	1.978	2.040	1.974	40.73	2.000	2.013	2.020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.026	38.97	42.96	40.22	2.025	1.997	41.08		

Sample Name: CCV Acquired: 4/21/2016 15:54:02 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2587.6	5553.3	4244.8	3150.9
Stddev	3.1	8.5	136.	11.7
%RSD	.11821	.15237	.32115	.36988
#1	2591.0	5556.1	42339.	3143.3
#2	2586.8	5559.9	42403.	3145.0
#3	2585.1	5543.7	42601.	3164.3

Sample Name: CCB Acquired: 4/21/2016 15:58:14 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0001	.0097	-.0008	.0000	-.0002	.0074	.0000	.0000	-.0003
Stddev	.0003	.0039	.0011	.000	.0001	.0010	.000	.000	.0001
%RSD	190.4	39.84	134.4	169.3	48.20	13.33	94.07	463.5	24.69
#1	.0004	.0129	.0001	.0000	-.0001	.0077	.0000	.0001	-.0004
#2	-.0001	.0054	-.0005	-.0001	-.0002	.0063	.0000	-.0002	-.0002
#3	.0000	.0107	-.0020	-.0001	-.0003	.0082	.0000	.0000	-.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0003	-.0029	-.0045	.0144	-.0002	-.0002	.0302	.0000	.0003
Stddev	.0002	.0017	.0330	.0106	.0000	.0003	.0031	.000	.0006
%RSD	62.35	58.29	728.4	73.42	2.481	207.2	10.14	846.8	202.2
#1	.0005	-.0010	-.0063	.0234	-.0002	.0002	.0317	.0001	.0009
#2	.0004	-.0040	.0293	.0028	-.0002	-.0002	.0322	-.0002	-.0002
#3	.0001	-.0037	-.0367	.0171	-.0002	-.0005	.0267	.0001	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0001	-.0005	.0036	-.0003	-.0002	-.0006	-.0006	-.0004	.0006
Stddev	.0003	.0013	.0006	.0002	.0001	.0001	.0010	.0000	.0000
%RSD	407.7	262.7	16.33	59.47	62.96	16.27	159.1	4.522	6.059
#1	.0003	.0007	.0042	-.0001	-.0002	-.0006	-.0016	-.0004	.0006
#2	.0002	-.0019	.0036	-.0005	-.0001	-.0005	-.0007	-.0004	.0007
#3	-.0003	-.0003	.0031	-.0004	-.0004	-.0006	.0004	-.0004	.0006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.2
7

Sample Name: CCB Acquired: 4/21/2016 15:58:14 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2886.3	5591.0	4357.8	3165.7
Stddev	2.6	1.8	120.	24.1
%RSD	.09009	.03305	.27561	.76279
#1	2889.3	5593.1	43592.	3143.1
#2	2885.1	5590.1	43451.	3162.9
#3	2884.5	5589.8	43690.	3191.2

Sample Name: MP30263-PS1 Acquired: 4/21/2016 16:02:46 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	.0498	541.2	.2152	2.355	.0647	57.65	.0499	.1534	.7705
Stddev	.0013	1.0	.0031	.006	.0008	.26	.0003	.0007	.0046
%RSD	2.665	.1852	1.461	.2473	1.267	4.564	.6521	.4711	.6003
#1	.0483	541.5	.2172	2.361	.0639	57.95	.0502	.1528	.7743
#2	.0507	540.0	.2116	2.352	.0648	57.50	.0500	.1542	.7718
#3	.0505	541.9	.2167	2.351	.0655	57.50	.0495	.1533	.7653

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	1.628	362.4	40.18	69.58	4.926	.0990	14.56	.6689	6.317
Stddev	.002	.5	.26	.56	.017	.0002	.02	.0007	.021
%RSD	.1457	.1426	.6501	.7998	.3393	.2342	.1421	.0998	.3302
#1	1.631	362.6	40.45	70.17	4.944	.0992	14.56	.6697	6.334
#2	1.629	361.9	39.93	69.50	4.924	.0991	14.59	.6685	6.324
#3	1.626	362.9	40.14	69.07	4.910	.0987	14.55	.6685	6.294

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.1220	.0870	3.248	.0945	.8131	13.96	.0973	.7214	1.145
Stddev	.0072	.0134	.006	.0024	.0023	.04	.0017	.0022	.005
%RSD	5.941	15.35	.1893	2.504	.2884	.2762	1.700	.3098	.4467
#1	.1174	.0737	3.255	.0920	.8126	14.00	.0986	.7239	1.149
#2	.1182	.0868	3.245	.0950	.8110	13.96	.0954	.7204	1.147
#3	.1303	.1005	3.244	.0966	.8156	13.93	.0978	.7197	1.139

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2741.4	5887.0	44349.	3305.7
Stddev	2.5	10.7	158.	21.8
%RSD	.09160	.18107	.35625	.66029
#1	2740.2	5874.8	44167.	3280.7
#2	2739.7	5891.4	44436.	3320.4
#3	2744.2	5894.7	44445.	3316.1

Sample Name: FA31998-4 Acquired: 4/21/2016 16:07:05 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	683.7	1.216	4.217	0.0191	126.7	0.0049	1.426	8637
Stddev	.0017	1.6	.0027	.009	.0004	.6	.0002	.0004	.0029
%RSD	626.3	.2373	2.226	.2030	2.342	.4515	4.269	.2525	.3397
#1	.0005	685.4	.1247	4.220	.0196	127.4	.0047	1.424	8631
#2	-.0022	682.1	-.1198	4.207	.0188	126.4	.0052	1.430	8669
#3	-.0009	683.7	-.1203	4.223	.0189	126.4	.0049	1.423	8611
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.3388	447.9	34.73	77.97	14.24	0.036	4.745	6.742	8929
Stddev	.0018	.9	.12	.36	.12	.0010	.054	.0010	.0003
%RSD	.5447	.2117	.3494	.4584	.8639	29.20	1.137	1.465	.0297
#1	.3407	448.9	34.87	78.37	14.27	.0026	4.726	6.731	8928
#2	.3370	447.6	34.67	77.81	14.35	.0046	4.806	6.751	8931
#3	.3386	447.1	34.65	77.71	14.11	.0036	4.704	6.745	8926
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.061	-0.202	4.945	0.485	1.957	16.59	-0.029	8.468	7818
Stddev	.0006	.0058	.016	.0024	.008	.09	.0036	.0037	.0016
%RSD	10.44	28.83	.3282	4.922	.4052	5.481	126.7	4.349	2.002
#1	-.0064	-.0209	4.947	.0487	1.952	16.62	-.0004	8.478	7824
#2	-.0065	-.0140	4.961	.0460	1.954	16.67	-.0023	8.427	7830
#3	-.0053	-.0256	4.928	.0508	1.966	16.49	-.0067	8.499	7800
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2713.5	5926.4	44553.	3308.8					
Stddev	4.5	7.5	173.	18.7					
%RSD	.16696	.12704	.38791	.56641					
#1	2716.5	5930.2	44555.	3287.4					
#2	2715.8	5917.8	44379.	3322.0					
#3	2708.3	5931.4	44725.	3317.1					

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Sample Name: FA31998-5 Acquired: 4/21/2016 16:11:42 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0029	643.7	1.158	4.097	0.0175	135.3	0.0052	1.352	8178
Stddev	.0029	4.1	.0028	.022	.0002	1.1	.0004	.0006	.0015
%RSD	100.1	.6401	2.390	.5424	1.145	.7978	6.865	.4590	.1853
#1	.0063	645.4	1.144	4.112	.0177	135.6	.0049	1.345	8195
#2	.0012	646.7	1.140	4.107	.0175	136.2	.0051	1.354	8167
#3	.0013	639.0	1.190	4.071	.0173	134.1	.0056	1.356	8170
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.3612	425.0	32.62	77.13	14.23	0.027	4.600	6.382	1.159
Stddev	.0011	2.3	.28	.40	.10	.0009	.052	.0013	.005
%RSD	.3087	.5319	.8703	.5168	.7181	34.85	1.134	.2067	.3950
#1	.3623	425.5	32.94	77.13	14.33	.0020	4.647	6.384	1.160
#2	.3601	427.0	32.41	77.52	14.24	.0038	4.544	6.394	1.155
#3	.3610	422.5	32.50	76.73	14.12	.0023	4.608	6.368	1.164
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.001	-0.074	4.327	0.479	2.006	15.22	0.080	7.927	8058
Stddev	.0011	.0241	.012	.0023	.011	.10	.0042	.0022	.0033
%RSD	889.7	327.3	.2838	4.740	5.299	6629	53.16	2.830	4.154
#1	.0008	.0033	4.318	.0452	2.015	15.33	.0091	7.950	8019
#2	.0002	.0096	4.322	.0492	2.009	15.19	.0116	7.905	8079
#3	-.0013	-.0350	4.341	.0491	1.994	15.13	.0033	7.926	8076
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2755.3	5999.4	45125.	3314.8					
Stddev	8.5	3.4	273.	12.2					
%RSD	.30996	.05586	.60474	.36848					
#1	2746.5	5999.2	44817.	3309.5					
#2	2763.5	6002.8	45217.	3306.2					
#3	2755.8	5996.1	45339.	3328.8					

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7.2
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Sample Name: FA31998-11 Acquired: 4/21/2016 16:16:20 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.013	221.6	0.528	99.01	0.036	27.62	-0.011	0.530	4004
Stddev	.0019	1.6	.0045	.0068	.0002	.12	.0002	.0004	.0012
%RSD	143.6	.7051	8.475	.6860	6.912	.4415	13.54	.6617	.2997
#1	-.0033	222.6	.0507	99.42	.0036	27.73	-.0012	.0531	3996
#2	-.0005	222.3	.0579	99.37	.0038	27.64	-.0009	.0534	3998
#3	-.0012	219.8	.0497	98.22	.0033	27.49	-.0012	.0527	4018
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.0716	188.6	21.57	28.06	2.325	-0.025	3.042	2.438	2699
Stddev	.0014	1.2	.14	.26	.003	.0005	.020	.0011	.0032
%RSD	1.958	.6512	.6590	.9143	.1326	21.17	6.448	4.349	1.196
#1	.0709	189.2	21.44	27.77	2.326	-.0027	3.020	2.426	2663
#2	.0707	189.5	21.72	28.26	2.327	-.0019	3.052	2.440	2725
#3	.0732	187.2	21.54	28.15	2.322	-.0029	3.055	2.447	2710
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0032	-0.0033	3.447	0.485	3.474	7.621	-0.019	3.946	2745
Stddev	.0042	.0064	.003	.0006	.0025	.003	.0054	.0008	.0006
%RSD	130.4	193.4	.0754	1.193	.7192	.0438	294.5	1.904	.2057
#1	-.0009	-.0106	3.450	.0487	3.478	7.617	-.0043	3.937	2741
#2	-.0031	-.0006	3.445	.0478	3.496	7.623	-.0060	3.947	2751
#3	-.0075	.0013	3.445	.0489	3.447	7.622	-.0039	3.952	2742
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2829.2	5848.4	44514.	3256.9					
Stddev	14.6	6.1	175.	12.6					
%RSD	.51526	.10390	.39271	.38831					
#1	2840.9	5842.5	44391.	3249.6					
#2	2812.9	5848.1	44714.	3249.5					
#3	2833.7	5854.7	44438.	3271.5					

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Sample Name: FA31998-14 Acquired: 4/21/2016 16:20:39 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.015	299.3	0.402	1.704	0.070	14.60	-0.021	0.707	4930
Stddev	.0006	.9	.0051	.012	.0004	.02	.0000	.0001	.0029
%RSD	36.40	.3071	12.62	.7229	6.063	.1620	2.312	1.187	.5892
#1	-.0019	300.2	.0389	1.718	.0072	14.62	-.0020	.0707	4936
#2	-.0018	299.4	.0359	1.701	.0072	14.60	-.0020	.0708	4955
#3	-.0009	298.4	.0458	1.693	.0065	14.57	-.0021	.0707	4898
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.1011	229.6	21.55	23.63	1.984	0.028	2.937	2.671	

Sample Name: FA31998-15 Acquired: 4/21/2016 16:25:00 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.014	308.0	0.0389	1.765	0.067	13.92	-0.021	0.0648	4.862
Stddev	0.0021	.4	.0044	.005	.0004	.11	.0002	.0002	0.0027
%RSD	152.1	.1413	11.18	.3093	6.034	.7651	10.24	.3044	.5584
#1	-0.006	308.4	0.0363	1.760	0.067	13.90	-0.019	0.0647	4.883
#2	-0.038	308.2	0.0439	1.771	0.071	14.04	-0.022	0.0646	4.831
#3	0.002	307.5	0.0365	1.764	0.063	13.83	-0.023	0.0650	4.870
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.024	233.4	21.29	23.72	2.007	0.012	2.855	2.638	2.927
Stddev	0.012	.3	.08	.10	.007	.0007	.025	.0006	0.0024
%RSD	1.130	.1471	.3902	.4092	.3519	55.42	.8827	.2448	.8115
#1	1.032	233.5	21.20	23.68	2.010	0.015	2.872	2.639	2.928
#2	1.010	233.6	21.29	23.82	1.999	0.004	2.868	2.644	2.950
#3	1.029	233.0	21.37	23.64	2.012	0.017	2.826	2.631	2.903
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.042	-0.047	3.553	0.0429	9.087	-0.021	5.597	2.366	2.176
Stddev	0.049	0.028	0.10	0.012	0.000	0.13	0.090	0.003	0.004
%RSD	114.5	59.11	.2827	2.683	0.124	1.409	427.1	0.0614	1.627
#1	-0.099	-0.026	3.557	0.0437	2.260	9.094	0.027	5.399	2.368
#2	-0.015	-0.037	3.542	0.046	2.260	9.072	-0.125	5.393	2.368
#3	-0.014	-0.079	3.561	0.0435	2.259	9.094	0.034	5.398	2.361
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2755.8	5766.0	4344.8	3174.9					
Stddev	7.8	14.6	109.	25.3					
%RSD	28184	25337	24972	79810					
#1	2764.5	5777.9	4341.0	3176.5					
#2	2749.4	5770.4	4357.1	3148.8					
#3	2753.7	5749.7	4336.4	3199.4					

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Sample Name: FA31998-20 Acquired: 4/21/2016 16:29:20 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.016	340.1	0.047	2.541	0.068	129.3	-0.001	0.074	5.059
Stddev	0.014	.9	.0032	.005	.0004	.5	.0002	.0006	0.015
%RSD	90.67	.2567	7.536	.1806	5.349	.3699	148.8	.7461	.2914
#1	0.001	340.2	0.047	2.545	0.064	129.5	-0.001	0.079	5.045
#2	-0.024	340.9	0.0402	2.541	0.067	129.7	0.001	0.079	5.057
#3	-0.024	339.2	0.0464	2.536	0.072	128.8	-0.003	0.0782	5.074
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.431	260.4	26.58	28.79	7.367	0.031	3.232	3.110	2.093
Stddev	0.01	.9	.32	.42	.017	.0008	.015	.0009	0.005
%RSD	0.786	.3590	1.202	1.475	.2273	24.49	.4611	.2870	.2551
#1	1.431	260.9	26.94	28.57	7.357	0.031	3.216	3.104	2.093
#2	1.433	261.1	26.47	29.28	7.387	0.039	3.236	3.106	2.088
#3	1.431	259.4	26.33	28.52	7.359	0.024	3.245	3.121	2.098
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.004	-0.096	3.721	0.0438	1.000	8.708	-0.034	5.851	4.156
Stddev	0.075	0.098	0.02	0.020	0.02	0.09	0.093	0.015	0.016
%RSD	182.5	102.4	0.540	4.655	2.269	1.040	274.0	2.621	3.970
#1	0.080	-0.087	3.723	0.0415	1.003	8.701	-0.112	5.857	4.163
#2	-0.064	-0.003	3.719	0.047	0.989	8.718	-0.060	5.861	4.137
#3	-0.028	-0.198	3.721	0.0452	0.988	8.705	0.069	5.833	4.168
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2766.4	5787.9	4349.6	3171.4					
Stddev	4.7	3.4	75.	18.7					
%RSD	16958	05844	17279	59110					
#1	2762.4	5784.1	4356.8	3169.3					
#2	2765.3	5789.0	4341.8	3153.8					
#3	2771.6	5790.6	4350.3	3191.1					

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Sample Name: FA31998-23 Acquired: 4/21/2016 16:33:40 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.022	202.5	0.0606	0.964	0.038	27.14	0.018	0.0397	3.939
Stddev	0.014	.1	.0019	.0046	.0004	.15	.0003	.0005	0.017
%RSD	60.85	0.396	3.054	4.611	11.21	5.407	17.41	1.223	4.207
#1	-0.022	202.6	0.0627	0.911	0.041	27.18	0.015	0.0400	3.923
#2	-0.036	202.5	0.0600	0.996	0.033	27.27	0.021	0.0400	3.939
#3	-0.009	202.4	0.0592	0.984	0.041	26.98	0.017	0.0392	3.956
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.074	187.1	25.81	29.50	2.652	-0.037	2.662	1.963	3.109
Stddev	0.015	.4	.33	.35	.005	.0002	.015	.0009	.002
%RSD	1.742	.2310	1.276	1.192	1.720	4.354	5.765	4.562	0.532
#1	0.0891	187.3	25.76	29.66	2.650	-0.038	2.649	1.960	3.109
#2	0.0861	187.5	26.16	29.75	2.649	-0.038	2.658	1.956	3.108
#3	0.0870	186.7	25.51	29.10	2.657	-0.035	2.679	1.973	3.111
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.010	0.005	2.961	0.0447	3.695	7.633	0.018	3.145	1.323
Stddev	0.016	0.0089	0.08	0.004	0.008	0.14	0.016	0.014	0.003
%RSD	162.0	181.2	.2661	.9625	.2228	1.859	90.18	4.343	2.240
#1	-0.0027	-0.011	2.958	0.0451	3.703	7.633	0.011	3.155	1.323
#2	0.006	0.0101	2.954	0.0442	3.686	7.619	0.037	3.129	1.320
#3	-0.009	-0.075	2.970	0.0447	3.695	7.647	0.007	3.150	1.326
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2823.8	5893.6	4464.0	3236.3					
Stddev	6.6	10.2	103.	21.4					
%RSD	23471	17223	23113	65989					
#1	2818.7	5882.1	4454.3	3236.2					
#2	2831.3	5901.2	4474.8	3215.0					
#3	2821.4	5897.4	4462.9	3257.7					

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Sample Name: FA31998-26 Acquired: 4/21/2016 16:38:00 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	266.2	0.0792	0.7796	0.057	26.89	-0.013	0.0583	5.529
Stddev	0.010	.7	.0017	.0021	.0000	.04	.0003	.0001	0.010
%RSD	282.5	2.644	2.154	2.661	.8648	1.307	21.36	1.560	1.752
#1	-0.011	265.5	0.0781	0.7795	0.057	26.91	-0.015	0.0583	5.522
#2	0.008	266.2	0.0812	0.7817	0.056	26.85	-0.015	0.0584	5.525
#3	-0.007	266.9	0.0784	0.7775	0.057	26.91	-0.010	0.0582	5.540
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.079	218.5	25.20	37.39	2.271	-0.012	2.996	2.974	1.676
Stddev	0.009	.5	.30	.08	.014	.0007	.054	.0016	.0037
%RSD	1.234	.2238	1.182	2.093	.6202	55.05	1.805	5.238	2.182
#1	0.0716	218.5	25.53	37.30	2.287	-0.014	2.938	2.975	1.643
#2	0.0699	218.0	24.95	37.45	2.25				

Sample Name: FA32106-1 Acquired: 4/21/2016 16:42:21 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0034	152.2	0.0294	1.149	0.0010	33.04	-0.0008	0.0288	2.561
Stddev	0.0017	.7	0.0026	.005	.0004	.26	.0004	.0004	0.011
%RSD	49.66	4.744	8.710	.4210	38.96	.7987	45.77	1.542	4.328
#1	-0.0052	153.0	0.0265	1.154	.0015	33.35	-0.0012	0.0288	2.558
#2	-0.0029	151.7	0.0312	1.144	.0009	32.89	-0.0005	0.0292	2.573
#3	-0.0020	151.9	0.0306	1.149	.0007	32.90	-0.0008	0.0283	2.552
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0007	167.1	15.38	12.77	2.772	0.006	1.876	1.263	4.295
Stddev	0.0006	.7	.25	.18	.015	.0008	.035	.0003	0.068
%RSD	.6154	.4373	1.596	1.428	.5437	140.4	1.876	.2182	1.592
#1	.0904	167.9	15.64	12.90	2.785	-0.003	1.892	1.263	4.370
#2	.0914	166.5	15.15	12.56	2.775	.0012	1.836	1.260	4.278
#3	.0904	166.8	15.35	12.85	2.755	.0009	1.900	1.265	4.236
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0018	-0.0047	4.030	0.0468	4.708	5.837	-0.0029	4.253	2.010
Stddev	0.0002	0.0042	.005	.0006	.0017	.016	.0050	.0021	.0005
%RSD	13.76	88.03	1.153	1.330	.3701	.2652	172.9	.4830	.2321
#1	.0020	-0.0036	4.028	.0475	.4710	5.849	-0.0050	4.243	.2014
#2	.0016	-0.0093	4.035	.0465	.4690	5.842	-0.0065	4.277	.2011
#3	.0017	-0.0013	4.026	.0464	.4725	5.819	.0028	4.240	.2005
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2850.1	5788.5	44429.	3248.8					
Stddev	12.6	7.8	231.	22.5					
%RSD	.44380	.13458	.51955	.69228					
#1	2835.5	5779.8	44189.	3223.9					
#2	2857.1	5790.9	44449.	3255.0					
#3	2857.6	5794.7	44649.	3267.6					

Sample Name: CCV Acquired: 4/21/2016 16:46:42 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2542.0	5463.2	41707.	3086.1
Stddev	3.8	4.6	120.	27.6
%RSD	.14821	.08364	.28860	.89372
#1	2545.8	5458.5	41668.	3098.9
#2	2541.9	5463.3	41611.	3054.5
#3	2538.3	5467.7	41842.	3105.0

Sample Name: CCV Acquired: 4/21/2016 16:46:42 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.571	41.56	1.998	2.083	2.017	41.95	2.033	2.050	2.065
Stddev	0.0009	.21	.005	.006	.010	.19	.003	.002	.005
%RSD	.3622	.4934	.2424	.3112	.4952	.4516	.1365	.1064	.2205
#1	.2563	41.41	1.998	2.079	2.011	41.87	2.036	2.052	2.069
#2	.2569	41.79	2.003	2.091	2.028	42.16	2.032	2.049	2.067
#3	.2582	41.47	1.994	2.079	2.011	41.80	2.030	2.048	2.060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.079	39.92	43.74	41.55	2.068	2.036	41.62	2.022	2.015
Stddev	.005	.19	.21	.19	.007	.000	.18	.004	.006
%RSD	.2295	.4707	.4910	.4491	.3639	.0107	.4253	.1886	.2820
#1	2.076	39.84	43.74	41.46	2.069	2.036	41.50	2.026	2.010
#2	2.077	40.13	43.96	41.76	2.075	2.036	41.83	2.023	2.014
#3	2.085	39.78	43.53	41.42	2.060	2.037	41.54	2.018	2.021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.014	2.023	1.445	2.075	2.022	2.041	2.026	2.019	2.013
Stddev	.006	.004	.005	.003	.007	.004	.004	.007	.004
%RSD	.2909	.1916	.3679	.1494	.3626	.1913	.2101	.3514	.1878
#1	2.019	2.027	1.447	2.079	2.017	2.041	2.027	2.021	2.017
#2	2.016	2.021	1.450	2.072	2.031	2.044	2.029	2.025	2.011
#3	2.008	2.021	1.440	2.075	2.019	2.037	2.021	2.011	2.010
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Sample Name: CCB Acquired: 4/21/2016 16:50:54 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	0.0062	-0.0004	-0.0001	0.0000	0.0050	0.0000	-0.0001	0.0000
Stddev	0.0002	0.0054	0.0003	0.0006	0.0000	0.0045	0.0001	0.0000	0.000
%RSD	61.61	86.61	77.09	416.7	147.1	90.06	330.3	49.52	553.0
#1	-0.0004	0.0121	-0.0006	-0.0005	0.0000	0.0068	0.0001	-0.0001	-0.0002
#2	-0.0002	0.0016	0.0000	0.0006	0.0000	0.0083	0.0000	0.0000	0.0000
#3	-0.0006	0.0048	-0.0006	-0.0005	0.0000	-0.0001	0.0000	-0.0001	0.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	0.0021	-0.0148	-0.0113	-0.0001	-0.0001	0.0077	-0.0002	0.0002
Stddev	0.0001	0.0067	0.0220	0.0142	0.0000	0.0003	0.0063	0.0001	0.0001
%RSD	104.3	315.6	148.7	126.4	39.19	275.8	82.47	30.44	43.04
#1	.0000	.0092	-0.0342	.0052	-0.0001	.0001	.0148	-0.0001	.0002
#2	-0.0003	.0010	.0091	-0.0196	-0.0002	.0000	.0056	-0.0002	.0002
#3	-0.0002	-0.0039	-0.0193	-0.0194	-0.0002	-0.0005	.0026	-0.0002	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0002	0.0004	0.0028	-0.0003	0.0000	-0.0005	0.0000	-0.0003	0.0006
Stddev	0.0003	0.0005	0.0003	0.0003	0.0001	0.0000	0.0005	0.0002	0.0000
%RSD	126.7	148.7	11.75	85.64	1073.	4.495	2071.	49.61	3.707
#1	.0005	.0002	.0032	-0.0001	.0002	-0.0005	.0005	-0.0002	.0006
#2	-0.0001	-0.0001	.0027	-0.0003	-0.0001	-0.0005	.0000	-0.0002	.0007
#3	.0003	.0009	.0026	-0.0007	-0.0001	-0.0005	-0.0004	-0.0005	.0006
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Sample Name: CCB Acquired: 4/21/2016 16:50:54 Type: QC
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	3027.6	5884.5	45380.	3215.1
Stddev	3.3	8.6	32.	19.4
%RSD	.11054	.14591	.07068	.60482

#1	3024.8	5875.0	45370.	3205.1
#2	3026.6	5886.5	45417.	3202.6
#3	3031.3	5891.9	45355.	3237.5

Sample Name: FA32106-4 Acquired: 4/21/2016 16:55:26 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0030	140.6	.0213	1.299	.0009	45.97	-0.0004	.0262	.2145
Stddev	.0014	.3	.0070	.004	.0000	.09	.0001	.0005	.0012
%RSD	45.50	.2405	32.70	.3247	1.807	.2045	34.59	1.931	.5777

#1	-0.0021	140.7	.0289	1.295	.0009	45.98	-0.0005	.0267	.2156
#2	-0.0024	140.2	.0201	1.299	.0009	45.87	-0.0003	.0260	.2148
#3	-0.0046	140.8	.0151	1.303	.0009	46.06	-0.0005	.0257	.2131

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1003	147.0	15.18	13.05	2.421	.0022	1.976	.1135	.5259
Stddev	.0010	.1	.17	.23	.007	.0002	.013	.0006	.0040
%RSD	.9901	.0475	1.148	1.740	.2979	8.394	.6712	.5033	.7544

#1	.1014	147.0	15.21	12.82	2.422	.0023	1.980	.1131	.5289
#2	.0995	146.9	14.99	13.08	2.427	.0020	1.961	.1132	.5214
#3	.1000	147.1	15.34	13.27	2.413	.0024	1.987	.1141	.5274

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0005	-0.0081	4.135	.0443	.6708	5.478	.0043	.3743	.1981
Stddev	.0030	.0066	.015	.0013	.0006	.007	.0015	.0012	.0005
%RSD	603.6	82.08	.3526	2.825	.0849	.1245	35.19	.3201	.2473

#1	.0036	-0.0010	4.127	.0457	.6702	5.480	.0026	.3757	.1981
#2	-0.0025	-0.0091	4.126	.0434	.6712	5.483	.0056	.3733	.1976
#3	.0004	-0.0142	4.152	.0437	.6710	5.470	.0047	.3740	.1986

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2877.6	5847.0	44939.	3276.3
Stddev	3.1	14.0	158.	9.7
%RSD	.10671	.23954	.35050	.29739

#1	2877.0	5841.5	44767.	3285.9
#2	2880.9	5862.9	45076.	3266.4
#3	2874.8	5836.6	44974.	3276.6

7.2
7

Sample Name: FA32106-7 Acquired: 4/21/2016 16:59:47 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.0008	260.5	.0258	3.256	.0041	78.84	-0.0002	.0599	.3564
Stddev	.0003	.5	.0015	.002	.0004	.04	.0004	.0002	.0018
%RSD	43.45	.1804	5.736	.0652	9.748	.0568	165.0	.3440	.4956

#1	-0.0012	260.5	.0271	3.256	.0040	78.80	-0.0002	.0597	.3544
#2	-0.0006	260.0	.0261	3.254	.0037	78.82	-0.0003	.0601	.3577
#3	-0.0006	260.9	.0242	3.258	.0045	78.89	-0.0006	.0599	.3571

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0979	218.8	18.00	23.82	7.507	.0023	2.980	.2231	.4677
Stddev	.0013	.4	.08	.07	.018	.0005	.050	.0008	.0054
%RSD	1.323	.2041	4.281	.2907	.2408	22.41	1.668	.3613	1.145

#1	.0981	218.7	17.95	23.89	7.497	.0019	2.922	.2236	.4640
#2	.0965	218.4	17.97	23.82	7.528	.0029	3.009	.2221	.4739
#3	.0991	219.3	18.09	23.75	7.497	.0022	3.008	.2234	.4654

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0013	-0.0017	5.413	.0467	1.056	8.096	-0.0041	.5302	.2220
Stddev	.0015	.0102	.013	.0002	.004	.009	.0042	.0014	.0004
%RSD	116.9	598.9	.2423	.5218	.3579	.1161	103.4	.2586	.1803

#1	-0.0011	-0.0135	5.412	.0468	1.056	8.086	-0.0084	.5289	.2222
#2	-0.0029	.0047	5.427	.0465	1.052	8.105	-0.0039	.5317	.2216
#3	.0001	.0037	5.401	.0470	1.059	8.097	.0001	.5301	.2223

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2795.5	5795.0	44147.	3270.2
Stddev	1.4	3.0	150.	3.9
%RSD	.04935	.05229	.34046	.11897

#1	2794.8	5797.6	44243.	3271.2
#2	2794.6	5791.7	43973.	3273.5
#3	2797.1	5795.6	44223.	3265.9

Sample Name: FA32106-10 Acquired: 4/21/2016 17:04:07 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0012	246.9	.0272	3.596	.0037	97.99	.0018	.0577	.3475
Stddev	.0013	.7	.0048	.023	.0004	.15	.0002	.0006	.0006
%RSD	115.6	.2993	17.64	.6430	12.12	.1492	11.06	1.087	.1645

#1	.0015	246.2	.0221	3.585	.0039	97.92	.0016	.0580	.3469
#2	.0023	247.7	.0317	3.622	.0040	98.16	.0017	.0570	.3480
#3	-0.0003	246.8	.0277	3.580	.0032	97.89	.0020	.0581	.3476

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1982	201.8	19.25	26.73	7.109	.0000	2.324	.2701	1.578
Stddev	.0006	.4	.14	.19	.019	.0005	.014	.0020	.008
%RSD	.2893	.1780	.7318	.7273	.2730	140.30	.6149	.7409	.5173

#1	.1983	201.5	19.41	26.72	7.124	-0.001	2.339	.2695	1.577
#2	.1988	202.2	19.17	26.94	7.116	-0.0005	2.311	.2684	1.569
#3	.1977	201.8	19.16	26.55	7.087	.0006	2.321	.2723	1.586

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0027	-0.0071	4.297	.0485	1.205	7.826	-0.0046	.4557	.3661
Stddev	.0040	.0032	.010	.0031	.005	.022	.0054	.0012	.0018
%RSD	147.3	45.11	.2386	6.438	.3805	.2806	117.0	.2584	.4840

#1	.0073	-0.0034	4.287	.0504	1.202	7.845	.0016	.4563	.3668
#2	.0000	-0.0094	4.307	.0503	1.211	7.832	-0.0076	.4543	.3640
#3	.0008	-0.0085	4.298	.0449	1.204	7.802	-0.0078	.4564	.3673

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2819.5	5829.2	44423.	3250.9
Stddev	9.4	6.8	113.	7.2
%RSD	.33253	.11632	.25396	.22127

#1	2809.5	5832.7	44413.	3256.2
#2	2828.1	5821.4	44541.	3253.8
#3	2820.9	5833.6	44316.	3242.7

Sample Name: FA32107-1 Acquired: 4/21/2016 17:08:27 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	162.7	.0261	.9815	.0009	44.12	-0.015	.0267	.2755
Stddev	.0009	.4	.0024	.0033	.0001	.13	.0003	.0007	.0013
%RSD	145.2	.2277	9.104	.3368	10.40	.2969	20.89	2.561	.4752
#1	-.0015	162.7	.0239	.9818	.0008	44.13	-.0012	.0264	.2748
#2	-.0002	163.1	.0286	.9847	.0010	44.24	-.0018	.0262	.2770
#3	-.0005	162.4	.0259	.9781	.0009	43.98	-.0016	.0275	.2747
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2784	167.8	20.65	17.45	1.636	0.010	3.029	1.148	1.362
Stddev	.0014	.3	.18	.12	.004	.0002	.006	.0004	.003
%RSD	.4954	.1581	.8631	.6901	.2211	18.31	.2142	.2777	.2294
#1	.2772	167.5	20.83	17.50	1.632	.0011	3.033	.1352	1.363
#2	.2781	168.0	20.47	17.54	1.639	.0012	3.032	.1345	1.358
#3	.2799	168.0	20.64	17.32	1.636	.0008	3.021	.1347	1.364
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0040	-0.0061	4.368	0.524	6.659	-0.029	4.441	1.2281	1.2281
Stddev	.0028	.0115	.004	.0025	.0022	.007	.0064	.0020	.0005
%RSD	70.13	188.8	.0902	4.684	.3424	.1036	223.3	.4441	.2341
#1	.0069	-.0098	4.367	.0513	.6531	6.684	.0038	.4463	.2287
#2	.0036	-.0068	4.364	.0552	.6542	6.695	-.0036	.4435	.2277
#3	.0014	-.0153	4.372	.0507	.6574	6.697	-.0089	.4424	.2280
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2850.8	5806.0	4399.9	3212.8					
Stddev	.8	3.6	127.	20.5					
%RSD	.02970	.06132	.28953	.63949					
#1	2850.3	5811.3	4399.5	3214.6					
#2	2850.4	5808.4	4387.3	3191.4					
#3	2851.8	5804.2	4412.8	3232.4					

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Sample Name: FA32107-4 Acquired: 4/21/2016 17:12:48 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	218.2	.0277	.6134	.0020	15.54	-0.024	.0308	.3312
Stddev	.0004	1.0	.0023	.0020	.0003	.02	.0001	.0003	.0013
%RSD	36.07	.4656	8.384	.3179	17.24	.1313	2.925	1.037	.4013
#1	-.0006	218.7	.0292	.6130	.0016	15.54	-.0024	.0310	.3322
#2	-.0010	218.9	.0288	.6155	.0022	15.57	-.0024	.0304	.3297
#3	-.0013	217.1	.0250	.6117	.0021	15.53	-.0023	.0309	.3317
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0459	179.5	16.21	14.46	6.704	0.016	2.379	1.168	1.1278
Stddev	.0001	.6	.16	.12	.0025	.0002	.028	.0012	.0036
%RSD	.3130	.3331	.9888	.8191	.3711	12.83	1.195	.7512	2.846
#1	.0461	179.6	16.39	14.59	6.719	.0015	2.361	.1616	1.319
#2	.0459	180.0	16.09	14.45	6.675	.0015	2.365	.1614	1.268
#3	.0458	178.9	16.15	14.35	6.717	.0019	2.412	.1594	1.269
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0014	-0.0081	4.450	0.467	2.120	9.426	-0.022	4.783	1.1444
Stddev	.0034	.0089	.006	.0014	.0011	.033	.0077	.0031	.0003
%RSD	246.4	110.1	.1379	2.975	5.111	.3545	353.9	.6482	.2043
#1	-.0019	.0022	4.454	.0482	.2131	9.453	.0067	.4819	.1446
#2	-.0044	-.0126	4.443	.0454	.2121	9.389	-.0068	.4761	.1441
#3	.0023	-.0138	4.453	.0467	.2110	9.437	-.0064	.4771	.1446
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2856.5	5840.4	4452.1	3254.5					
Stddev	5.6	12.5	169.	6.8					
%RSD	.19444	.21414	.37867	.20779					
#1	2851.7	5826.4	4451.7	3250.6					
#2	2862.6	5850.5	4469.1	3250.7					
#3	2855.2	5844.2	4435.4	3262.3					

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7.2
7

Sample Name: FA32107-7 Acquired: 4/21/2016 17:17:08 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0014	138.0	.0277	5.866	.0002	25.96	-0.012	.0246	25.18
Stddev	.0002	.5	.0030	.0038	.0001	.09	.0002	.0009	.0012
%RSD	16.26	.3528	10.68	.6407	71.84	.3577	18.31	3.471	.4907
#1	.0017	137.6	.0287	5.827	.0000	26.01	-.0011	.0237	25.15
#2	.0013	137.9	.0244	5.902	.0002	25.85	-.0011	.0249	25.07
#3	.0013	138.5	.0301	5.868	.0003	26.01	-.0015	.0253	25.31
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0710	126.8	18.47	14.81	1.855	-0.015	2.047	1.117	5.281
Stddev	.0006	.5	.03	.16	.009	.0009	.024	.0004	.0050
%RSD	.8585	.4306	.1443	1.071	.5135	58.24	1.155	.3617	.9463
#1	.0707	126.5	18.48	14.85	1.865	-.0005	2.021	.1115	5.305
#2	.0706	126.4	18.45	14.94	1.845	-.0018	2.067	.1122	5.314
#3	.0717	127.4	18.50	14.63	1.854	-.0022	2.052	.1115	5.224
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0003	-0.0046	4.177	0.444	3.129	5.804	-0.052	3.213	1.675
Stddev	.0007	.0059	.003	.0015	.0018	.020	.0090	.0006	.0009
%RSD	263.6	127.3	.0800	3.334	.5674	.3433	172.9	.1900	.5155
#1	.0000	-.0043	4.173	.0461	.3112	5.825	-.0049	.3219	1.670
#2	.0011	-.0011	4.180	.0435	.3127	5.786	-.0143	.3212	1.685
#3	-.0003	-.0107	4.176	.0436	.3148	5.801	.0036	.3207	1.669
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2859.5	5771.0	4425.5	3237.4					
Stddev	4.6	7.9	240.	5.7					
%RSD	.16248	.13753	.54197	.17729					
#1	2854.9	5765.5	4397.8	3238.0					
#2	2864.1	5780.1	4440.2	3242.8					
#3	2859.5	5767.3	4438.5	3231.3					

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Sample Name: FA32107-10 Acquired: 4/21/2016 17:21:28 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	285.6	0.327	3.577	0.050	95.90	0.003	0.701	4.273
Stddev	.0025	1.2	.0055	.013	.0003	.69	.0002	.0006	.0025
%RSD	1222.0	.4100	16.83	.3626	5.523	.7170	64.48	.8224	.5928
#1	.0013	285.5	.0384	3.571	.0047	95.73	.0001	.6994	4.290
#2	-.0029	284.5	.0274	3.569	.0052	95.32	.0004	.7004	4.284
#3	.0017	286.9	.0323	3.592	.0051	96.66	.0004	.7004	4.244
Elem	Cu3247	Fe2599	K_7664						

Sample Name: FA32107-13 Acquired: 4/21/2016 17:25:48 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	279.7	.0326	4.155	.0043	129.2	.0016	.0779	.3850
Stddev	.0052	.9	.0052	.013	.0003	.5	.0003	.0005	.0013
%RSD	18430.	.3321	15.99	.3060	7.799	.3585	21.46	.6353	.3360
#1	.0016	279.8	.0368	4.154	.0044	128.9	.0013	.0774	.3846
#2	.0042	280.6	.0341	4.168	.0047	129.7	.0020	.0784	.3864
#3	-.0058	278.7	.0268	4.143	.0040	128.9	.0016	.0780	.3839
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2734	227.8	20.90	29.68	9.287	.0021	2.562	.2767	2.411
Stddev	.0020	.6	.15	.34	.023	.0009	.038	.0013	.002
%RSD	.7410	.2451	.7082	1.135	.2500	42.62	1.470	.4548	.0716
#1	.2733	227.9	20.78	29.58	9.303	.0021	2.602	.2753	2.410
#2	.2755	228.3	21.06	30.05	9.297	.0030	2.556	.2773	2.409
#3	.2714	227.2	20.84	29.39	9.260	.0012	2.528	.2776	2.413
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0025	-.0019	5.232	.0520	1.687	8.367	-.0036	.5566	.3783
Stddev	.0052	.0040	.009	.0008	.005	.016	.0046	.0035	.0011
%RSD	203.9	210.4	.1659	1.607	.3230	.1848	128.4	.6241	.2902
#1	.0052	-.0045	5.232	.0517	1.688	8.361	-.0028	.5566	.3773
#2	-.0034	-.0038	5.223	.0513	1.692	8.384	.0006	.5601	.3781
#3	.0059	.0027	5.241	.0529	1.681	8.355	-.0085	.5532	.3795
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2819.8	5850.1	44382.	3229.8					
Stddev	7.6	7.4	132.	4.2					
%RSD	.27023	.12694	.29764	.13126					
#1	2817.2	5853.1	44316.	3227.6					
#2	2813.8	5841.6	44295.	3234.7					
#3	2828.4	5855.5	44534.	3227.2					

Sample Name: CRIA Acquired: 4/21/2016 17:30:07 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0096	.2325	.0092	.2155	.0048	1.121	.0052	.0546	.0105
Stddev	.0007	.0142	.0011	.0003	.0001	.011	.0000	.0002	.0002
%RSD	7.552	6.091	11.75	.1616	1.050	.9881	.7228	.3015	2.309
#1	.0089	.2161	.0094	.2159	.0048	1.114	.0052	.0548	.0103
#2	.0095	.2407	.0101	.2152	.0048	1.116	.0052	.0546	.0104
#3	.0103	.2406	.0080	.2156	.0047	1.134	.0052	.0545	.0108
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0283	.3230	11.12	5.418	.0164	.0495	10.70	.0431	.0046
Stddev	.0001	.0015	.05	.009	.0001	.0002	.03	.0003	.0002
%RSD	.2398	.4510	.4144	.1645	.3887	.4997	.2440	.6885	5.077
#1	.0282	.3231	11.15	5.408	.0164	.0498	10.68	.0435	.0043
#2	.0282	.3245	11.07	5.425	.0164	.0493	10.69	.0429	.0048
#3	.0283	.3216	11.14	5.421	.0165	.0494	10.73	.0431	.0047
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0047	.0091	.0131	.0548	.0101	.0095	.0106	.0493	.0230
Stddev	.0010	.0006	.0003	.0003	.0001	.0001	.0005	.0002	.0001
%RSD	21.75	6.534	2.224	.5232	.9527	.8042	5.139	.3832	.5624
#1	.0058	.0084	.0129	.0551	.0101	.0094	.0105	.0495	.0231
#2	.0041	.0092	.0135	.0546	.0100	.0095	.0101	.0491	.0229
#3	.0041	.0096	.0130	.0546	.0102	.0095	.0112	.0492	.0229
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2883.0	5768.6	44021.	3169.7					
Stddev	4.9	12.0	183.	15.9					
%RSD	.17031	.20836	.41560	.50297					
#1	2879.7	5755.0	43861.	3175.5					
#2	2880.7	5772.9	44220.	3181.9					
#3	2888.7	5777.9	43981.	3151.6					

7.2
7

Sample Name: ICSA Acquired: 4/21/2016 17:34:31 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0003	F 525.3	-.0008	.0001	-.0005	F 515.1	-.0008	-.0005	-.0003
Stddev	.0002	5.0	.0004	.0004	.0001	4.3	.0000	.0002	.0002
%RSD	74.76	.9440	52.79	281.1	14.38	.8438	3.403	43.81	52.60
#1	-.0004	529.9	-.0011	.0003	-.0006	512.0	-.0009	-.0006	-.0005
#2	-.0000	526.0	-.0010	-.0003	-.0005	520.1	-.0009	-.0002	-.0002
#3	-.0005	520.1	-.0003	.0004	-.0004	513.2	-.0008	-.0006	-.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0002	191.1	.0619	F 536.5	-.0009	-.0011	.2631	.0002	-.0027
Stddev	.0002	.6	.0259	.28	.0001	.0001	.0127	.0002	.0028
%RSD	106.4	.2980	41.89	.5154	7.486	11.54	4.816	102.6	101.7
#1	.0000	191.0	.0830	534.6	-.0008	-.0012	.2517	.0000	-.0052
#2	.0004	191.8	.0699	539.6	-.0009	-.0010	.2609	.0003	-.0032
#3	.0001	190.7	.0329	535.2	-.0009	-.0010	.2768	.0004	.0003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0005	-.0013	.0622	.0009	-.0004	-.0013	-.0021	.0000	-.0032
Stddev	.0008	.0053	.0009	.0005	.0001	.0001	.0025	.0001	.0002
%RSD	166.8	409.3	1.505	58.04	27.91	8.773	118.9	816.4	5.901
#1	.0014	-.0049	.0616	.0004	-.0003	-.0014	-.0044	.0002	-.0032
#2	.0004	.0047	.0633	.0014	-.0004	-.0012	-.0024	.0000	-.0034
#3	-.0003	-.0037	.0616	.0009	-.0006	-.0012	.0005	-.0001	-.0030
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2266.4	5077.3	37885.	2908.0					
Stddev	1.4	6.6	147.	22.5					
%RSD	.06135	.12951	.38744	.77538					
#1	2266.0	5084.4	37783.	2917.4					
#2	2265.3	5071.4	38054.	2882.3					
#3	2268.0	5076.1	37820.	2924.3					

Sample Name: CCV Acquired: 4/21/2016 17:39:07 Type: QC
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2524	41.38	1.971	2.084	2.013	41.93	1.999	2.015	2.009
Stddev	.0003	1.97	.003	.094	.090	2.05	.001	.001	.003
%RSD	.1362	4.755	.1366	4.514	4.469	4.887	.0233	.0444	.1684
#1	.2528	43.59	1.970	2.191	2.113	44.24	1.999	2.015	2.006
#2	.2524	39.82	1.969	2.014	1.939	40.34	1.999	2.014	2.009
#3	.2522	40.73	1.974	2.048	1.987	41.20	1.998	2.015	2.013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.040	39.79	43.64	41.17	2.010	1.999	41.41	1.993	1.982
Stddev	.013	1.90	2.00	1.97	.002	.002	1.81	.002	.002

Sample Name: CCV Acquired: 4/21/2016 17:39:07 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2580.9	5553.0	42599.	3120.3
Stddev	3.2	7.4	101.	141.9
%RSD	.12547	.13397	.23713	4.5467
#1	2581.1	5561.1	42655.	2962.5
#2	2577.6	5546.5	42660.	3237.2
#3	2584.1	5551.3	42483.	3161.2

Sample Name: CCB Acquired: 4/21/2016 17:43:19 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0006	.0084	-.0004	.0000	-.0002	.0156	.0000	-.0001	.0000
Stddev	.0007	.0084	.0004	.001	.0001	.0021	.000	.0003	.000
%RSD	129.4	99.31	100.4	64300.	82.37	13.61	733.9	264.3	1791.
#1	.0000	.0131	.0000	.0005	-.0002	.0149	.0000	.0000	.0001
#2	.0002	-.0012	-.0003	.0004	-.0003	.0180	.0000	.0001	.0000
#3	.0014	.0134	-.0009	-.0009	.0000	.0140	-.0001	-.0004	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0001	.0050	.0084	.0102	-.0002	-.0001	.0453	-.0002	-.0005
Stddev	.0001	.0019	.0107	.0167	.0000	.0005	.0115	.0002	.0002
%RSD	171.0	37.99	127.3	163.1	2.518	335.7	25.37	120.3	34.01
#1	.0002	.0044	-.0038	-.0049	-.0002	.0003	.0480	-.0001	-.0005
#2	-.0001	.0071	.0132	.0281	-.0002	-.0001	.0326	-.0004	-.0006
#3	.0001	.0035	.0157	.0075	-.0002	-.0006	.0551	.0000	-.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	-.0001	.0001	.0029	.0000	-.0001	-.0006	-.0004	-.0004	.0006
Stddev	.0010	.0010	.0004	.000	.0001	.0001	.0006	.0002	.0000
%RSD	1071.	1534.	15.27	105.2	47.04	9.504	151.9	41.16	6.722
#1	.0010	.0010	.0031	.0000	-.0001	-.0006	-.0002	-.0002	.0006
#2	-.0009	.0003	.0024	-.0001	-.0001	-.0006	-.0011	-.0004	.0005
#3	-.0004	-.0010	.0031	.0000	-.0002	-.0007	.0001	-.0005	.0006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.2
7

Sample Name: CCB Acquired: 4/21/2016 17:43:19 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2992.4	5806.4	44707.	3160.9
Stddev	5.8	12.0	115.	17.5
%RSD	.19244	.20695	.25631	.55252
#1	2990.2	5803.5	44831.	3141.1
#2	2988.1	5796.2	44606.	3167.8
#3	2998.9	5819.7	44683.	3173.9

Sample Name: ICSAB Acquired: 4/21/2016 17:47:50 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	F 1.059	F 515.4	1.062	.5466	.5120	F 506.9	.9570	.4820	.5187
Stddev	.005	1.2	.004	.0017	.0034	5.3	.0013	.0006	.0009
%RSD	.4299	.2241	.3633	.3149	.6667	1.049	.1316	.1327	.1764
#1	1.064	516.7	1.059	.5467	.5106	500.8	.9574	.4825	.5178
#2	1.058	514.9	1.061	.5483	.5158	510.0	.9556	.4813	.5186
#3	1.055	514.6	1.066	.5448	.5094	510.1	.9580	.4823	.5196

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_2243)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.5584	189.2	.0105	F 524.6	.5098	.9555	.2403	.9465	.9598
Stddev	.0024	.9	.0514	2.5	.0006	.0006	.0070	.0017	.0021
%RSD	.4357	.4502	488.6	.4687	.1179	.0667	2.931	.1761	.2176
#1	.5612	189.1	-.0348	522.9	.5094	.9551	.2354	.9469	.9584
#2	.5566	190.1	.0663	527.4	.5096	.9552	.2484	.9447	.9622
#3	.5575	188.4	.0000	523.4	.5105	.9563	.2371	.9479	.9587

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	1.004	1.017	.0973	.9503	1.025	.9942	.9448	.4723	.9408
Stddev	.004	.002	.0004	.0015	.006	.0009	.0023	.0006	.0015
%RSD	.3794	.2169	.3687	.1551	.5857	.0951	.2425	.1295	.1573
#1	.9996	1.015	.0977	.9510	1.026	.9950	.9451	.4719	.9416
#2	1.007	1.019	.0971	.9486	1.031	.9932	.9424	.4720	.9391
#3	1.005	1.016	.0972	.9512	1.019	.9945	.9470	.4730	.9416

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2264.9	5126.5	38188.	2926.8
Stddev	3.3	2.9	74.	7.0
%RSD	.14464	.05627	.19330	.23802
#1	2264.6	5127.4	38257.	2934.8
#2	2261.8	5123.2	38110.	2922.4
#3	2268.3	5128.7	38196.	2923.1

Sample Name: CCV Acquired: 4/21/2016 17:52:16 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2576	42.31	1.989	2.132	2.047	42.97	2.022	2.047	2.052
Stddev	.0004	.37	.004	.015	.011	.24	.004	.004	.011
%RSD	.1716	.8721	.1911	.6826	.5469	.5687	.2214	.2117	.5169

#1	.2581	42.73	1.987	2.148	2.060	43.25	2.019	2.044	2.062
#2	.2575	42.09	1.987	2.120	2.042	42.80	2.019	2.044	2.054
#3	.2573	42.10	1.994	2.128	2.039	42.86	2.027	2.052	2.041

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.078	40.66	F 44.25	42.31	2.044	2.034	41.84	2.010	2.006
Stddev	.014	.29	.30	.25	.012	.004	.35	.004	.003
%RSD	.6683	.7217	.6747	.5903	.5906	.1723	.8438	.1813	.1659

#1	2.092	40.99	44.59	42.53	2.057	2.032	42.24	2.008	2.005
#2	2.064	40.58	44.09	42.36	2.040	2.033	41.62	2.007	2.004
#3	2.079	40.42	44.07	42.04	2.034	2.038	41.64	2.014	2.010

Check ? Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range 40.00 10.00%

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.012	2.028	1.438	2.068	2.044	2.019	2.018	1.997	1.986
Stddev	.004	.005	.004	.004	.014	.012	.007	.011	.004
%RSD	.1779	.2724	.2501	.1717	.6908	.5790	.3740	.5395	.1913

#1	2.008	2.023	1.436	2.066	2.060	2.032	2.017	2.009	1.984
#2	2.013	2.027	1.435	2.067	2.034	2.010	2.012	1.992	1.984
#3	2.014	2.034	1.442	2.072	2.037	2.014	2.026	1.990	1.991

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/21/2016 17:52:16 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2537.6	5474.1	41739.	3031.1
Stddev	2.5	9.1	153.	25.8
%RSD	.09965	.16689	.36689	.85219

#1	2539.9	5482.1	41570.	3002.1
#2	2534.9	5475.9	41778.	3039.6
#3	2538.0	5464.1	41868.	3051.6

Sample Name: CCB Acquired: 4/21/2016 17:56:28 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0065	.0002	-0.004	-0.002	.0152	.0000	.0000	-0.002
Stddev	.0002	.0063	.0004	.0002	.0000	.0023	.000	.0000	.0001
%RSD	136.2	95.98	180.9	41.58	16.96	15.18	417.0	138.3	43.87

#1	.0001	.0109	-0.001	-0.004	-0.002	.0170	-0.001	.0000	-0.001
#2	-0.002	-0.006	.0001	-0.005	-0.002	.0161	.0000	.0001	-0.001
#3	-0.004	.0093	.0007	-0.002	-0.002	.0126	.0000	.0000	-0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	.0050	-0.0372	.0113	-0.003	.0001	.0249	-0.001	-0.003
Stddev	.0002	.0033	.0409	.0158	.0000	.0003	.0100	.0002	.0003
%RSD	69.45	65.91	109.9	140.3	3.337	435.0	40.13	252.9	100.3

#1	-0.001	.0074	.0098	.0274	-0.003	.0004	.0358	.0000	-0.001
#2	-0.003	.0065	-0.0644	-0.043	-0.003	.0001	.0226	-0.003	-0.007
#3	-0.004	.0012	-0.0570	.0108	-0.003	-0.002	.0162	.0000	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.0004	.0029	.0000	-0.001	-0.007	.0007	-0.004	.0006
Stddev	.0006	.0016	.0002	.000	.0001	.0001	.0003	.0000	.0000
%RSD	68.05	398.5	6.563	982.6	54.91	12.18	42.09	8.565	3.546

#1	.0006	.0016	.0031	-0.001	-0.001	-0.006	.0010	-0.004	.0007
#2	.0016	.0009	.0028	-0.004	-0.001	-0.007	.0008	-0.004	.0006
#3	.0005	-0.014	.0028	.0004	-0.002	-0.007	.0004	-0.004	.0006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/21/2016 17:56:28 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3002.1	5860.3	45355.	3217.4
Stddev	1.2	8.3	134.	6.3
%RSD	.03974	.14090	.29501	.19719

#1	3002.4	5865.9	45284.	3224.1
#2	3003.0	5864.2	45510.	3211.5
#3	3000.7	5850.8	45272.	3216.5

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000009	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000077	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000005	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000082	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000000	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000011	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000130	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000010	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000041	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000117	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000025	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	0.000035	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000035	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	-0.000013	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000007	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	-0.000057	0.561894	0.000000	1.000000
Al 396.152 { 85}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.003008	0.222473	0.000000	1.000000
As 189.042 {478}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	-0.000531	0.160922	0.000000	1.000000
Ba 455.403 { 74}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.007256	7.943254	0.000000	1.000000
Be 313.042 {108}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.005190	10.961083	0.000000	1.000000
Ca 317.933 {106}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.007708	0.242231	0.000000	1.000000
Cd 226.502 {449}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	-0.000423	4.541384	0.000000	1.000000
Co 228.616 {447}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.000066	2.420898	0.000000	1.000000
Cr 267.716 {126}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.000014	0.526596	0.000000	1.000000
Cu 324.754 {104}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.006579	0.828321	0.000000	1.000000
Fe 259.940 {130}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.003646	0.156018	0.000000	1.000000
In 230.606 {446}*	4/21/2016 10:23:54	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	-0.011556	0.098642	0.000000	1.000000
Mg 279.079 {121}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	-0.000679	0.026328	0.000000	1.000000
Mn 257.610 {131}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.001981	2.775493	0.000000	1.000000
Mo 202.030 {467}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.002193	0.941880	0.000000	1.000000
Na 589.592 { 57}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	-0.010431	0.421334	0.000000	1.000000
Ni 231.604 {445}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.000237	1.476778	0.000000	1.000000
Pb 220.353 {453}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.000436	0.812729	0.000000	1.000000
Sb 206.833 {463}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.000709	0.219919	0.000000	1.000000
Se 196.090 {472}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	-0.000220	0.110550	0.000000	1.000000
Si 212.412 {459}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.003407	0.402978	0.000000	1.000000
Sn 189.989 {477}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.000547	0.348973	0.000000	1.000000
Sr 407.771 { 83}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.008350	15.077161	0.000000	1.000000
Ti 334.941 {101}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.004248	1.945698	0.000000	1.000000
Tl 190.856 {477}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	-0.001417	0.254369	0.000000	1.000000
V 292.402 {115}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	-0.000296	0.689780	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.001240	2.301569	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999999	0.000008	0.000391	0.001302	OK	1.000000	0.000000	1	0
Al 396.152 {85}	0.999803	0.007128	0.009967	0.033222	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999778	0.000273	0.000855	0.002850	OK	1.000000	0.000000	1	0
Ba 455.403 {74}	0.999897	0.009186	0.000352	0.001172	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999940	0.009710	0.000081	0.000270	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999840	0.006977	0.004241	0.014137	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999967	0.002988	0.000049	0.000164	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999976	0.001355	0.000103	0.000344	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999961	0.000372	0.000260	0.000867	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999949	0.000669	0.000246	0.000821	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999916	0.003265	0.003305	0.011018	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 {44}	0.999677	0.004038	0.037837	0.126124	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999792	0.000866	0.025261	0.084204	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999888	0.003341	0.000043	0.000144	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999997	0.000186	0.000149	0.000497	OK	1.000000	0.000000	1	0
Na 589.592 {57}	0.999696	0.016733	0.009538	0.031795	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999982	0.000721	0.000173	0.000575	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999745	0.001485	0.000602	0.002007	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999821	0.000335	0.001022	0.003407	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999851	0.000154	0.001806	0.006022	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.978770	0.006796	0.000398	0.001328	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999944	0.000298	0.000335	0.001118	OK	1.000000	0.000000	1	0
Sr 407.771 {83}	0.999995	0.003736	0.000119	0.000395	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999981	0.000976	0.000107	0.000355	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999926	0.000250	0.001078	0.003594	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999998	0.000122	0.000252	0.000839	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 {94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 {91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999965	0.001547	0.000071	0.000238	OK	1.000000	0.000000	1	0

Accutest Laboratories SE Metals Digestion Log Water

POD
(M4/MS)

Method of digestion(circle one): SW846-3010A / SW846-3005A / EPA 200.7 / SM3030C

MP #: 30097
 Prep Date/Time (mm/dd/yy 24:00): 3/11/16 8:42
 HotBlock I.D. 5
 Thermometer I.D. 204
 Correction Factor (°C) -1
 Temperature Observed/Corrected (°C) 96, 95
 Added^B: HNO₃
 Lot# 1115080

Volume
 Spk. Sol.^A Used(ml) Pipette #
ACC 920 | 0.50 | 10
ACC 894 | 0.25 | 10
MET 5330 | 0.25 | 10
 Dig. Tube Lot#: J2202104-261
HCL
4115050

Sample #	Initial Volume(ml)	pH<2	Final Volume(ml)	Comments
Method Blank(MB)	50.0	N/A	50.0	
Spike Blank(SB)		N/A		
Matrix Spike(MS)		✓		
Matrix Spike Dup(MSD)		✓		
Duplicate(DUP)		✓		
1 QC ^C FA32009-1 ^{D7}		✓		
2 ↓ B		✓		
3 FA32030-12F		✓		
4 ↓ 13F		✓		
5 FA32059-3 ↓		✓		
6 FA32064-1 3		✓		
7 FA32067-2F 7		✓		
8 ↓ 3F 7		✓		
9 FA32073-1 17		✓		
10 ↓ 3		✓		
11 ↓ 5		✓		
12 ↓ 8		✓		
13 ↓ 12 ↓		✓		
14 FA32072-23 1		✓		
15 FA32077-23 1		✓		
16 FA32084-14 1		✓		
17 FA31930-5 ↓		✓		
18 FA31998-10 ↓		✓		
19 FA32054-6 6		✓		
20 FA32106-13 1		✓		
21 ^E DI H ₂ O CHECK NA	50.0	NA	50.0	
22 ^E				
23 ^E				3/11/16
24 ^E	DB			

Analyst: *Dan Ben*
 QC Review: *Ann*

Date: 3/11/16
 Date: 3-11-16

- A Used for SB, MS, MSD
- B For reagent volumes used consult SOP MET 103, current revision
- C Parent sample used to prepare MS, MSD, DUP
- D Bottle Number
- E Additional matrix QC

icpwaterdigestionlog091113.xls

Rev 01/20/10 DM

7.3.1
7

Dry sieve
DOD-MS

Accutest Laboratories SE Metals Digestion Log Soil

MP #: 30263

Method of Digestion: SW846-3050B

Prep Date/Time (mm/dd/yy 24:00): 4/21/16 8:30
 HotBlock I.D. 6974 CECW3279 Spk. Sol. ^A ACC 938 Volume Used(ml) 1.00 Pipette # 10
 Thermometer I.D. 213 ACC 924 0.50 10
 Correction Factor (°C) -1 Met 5377 0.50 10
 Temperature Observed/Corrected (°C) 91.90 Filter Lot#: 150928009
 Balance I.D. ADVPRO3 Dig. Tube Lot# 1504103
 Added ^B: H₂O₂ HNO₃ HCL PTFE Boiling Chips
 Lot# 157487 1115100 4115100 R203-SK012

Sample #	Wt., g	Final Volume(ml)	Comments
Method Blank(MB)	5.00	100.0	
Spike Blank(SB)	5.00		
Matrix Spike(MS)	5.12		
Matrix Spike Dup(MSD)	5.23		
Duplicate(DUP)	5.23		
1 QC ^C FA 31998-1 ^{D1}	5.33		
2 D2 = FA 31998-1	5.32		
3	4	5.18	
4	5	5.35	
5	11	5.12	
6	14	5.04	
7	15	5.20	
8	20	5.08	① 5.279 (DB) 4/21/16
9	23	5.08	
10	26	5.40	
11 FA 32106-1	5.23		
12	4	5.07	
13	7	5.04	
14	10	5.14	
15 FA 32107-1	5.22		
16	4	5.32	
17	7	5.15	
18	10	5.06	
19	13	5.13	
20			
21 ^E			4/21/16
22 ^E			
23 ^E			
24 ^E			DB

Analyst: [Signature]
 QC Review: [Signature]

Date: 4/21/16
 Date: 4.21.16

A Used for SB, MS, MSD
 B For reagent volumes used consult SOP MET 104, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional Matrix QC

icsoildigestionlog012010.xls

Rev 01/20/10 DM

7.3.2
7

SGS ACCUTEST IS PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.



e-Hardcopy 2.0
Automated Report

Technical Report for

Kemron Environmental Services, Inc

Ft Ord; CA

07202.2001

SGS Accutest Job Number: FA32106

Sampling Date: 03/08/16

Report to:

Kemron Environmental Services, Inc
4522 Joe Lloyd Way
Monterey, CA 93944
emiddleditch@gilbaneco.com

ATTN: Eric Middleditch

Total number of pages in report: 184



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Sue Bell 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001)
DoD ELAP (L-A-B L2229), CA (2937), TX (T104704404), PA (68-03573), VA (460177),
AK, AR, GA, KY, MA, NV, OK, UT, WA

This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.

Test results relate only to samples analyzed.

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Sample Summary

Kemron Environmental Services, Inc

Job No: FA32106

Ft Ord; CA

Project No: 07202.2001

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
FA32106-1	03/08/16	09:39 KL	03/09/16	SO	Soil	07-10SC0000
FA32106-4	03/08/16	10:16 KL	03/09/16	SO	Soil	07-09SC0000
FA32106-7	03/08/16	11:52 KL	03/09/16	SO	Soil	07-07SC0000
FA32106-10	03/08/16	12:36 KL	03/09/16	SO	Soil	07-15SC0000
FA32106-13	03/08/16	14:30 KL	03/09/16	AQ	Equipment Blank	07-ER12SC

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

2

Client: Kemron Environmental Services, Inc

Job No: FA32106

Site: Ft Ord; CA

Report Date: 4/22/2016 1:18:15 PM

5 Sample(s) were collected on 03/08/2016 and were received at SGS Accutest Southeast (SASE) on 03/09/2016 properly preserved, at 4.9 Deg. C and intact. These Samples received an SASE job number of FA32106. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix: AQ

Batch ID: MP30097

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA32009-1DUP, FA32009-1MS, FA32009-1MSD, FA32009-1PS, FA32009-1SDL were used as the QC samples for metals.

Matrix: SO

Batch ID: MP30263

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA31998-1DUP, FA31998-1SDL, FA31998-1PS were used as the QC samples for metals.

MP30263-PS1 for Lead: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Kim Benham, Client Services (signature on file)

Date: April 22, 2016

Friday, April 22, 2016

Page 1 of 1

Summary of Hits

Job Number: FA32106
Account: Kemron Environmental Services, Inc
Project: Ft Ord; CA
Collected: 03/08/16



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA32106-1	07-10SC0000					
Lead		8.2	1.9	0.38	mg/kg	SW846 6010C
FA32106-4	07-09SC0000					
Lead		10.4	2.0	0.39	mg/kg	SW846 6010C
FA32106-7	07-07SC0000					
Lead		9.3	2.0	0.40	mg/kg	SW846 6010C
FA32106-10	07-15SC0000					
Lead		30.7	1.9	0.39	mg/kg	SW846 6010C
FA32106-13	07-ER12SC					
No hits reported in this sample.						

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: 07-10SC0000	Date Sampled: 03/08/16
Lab Sample ID: FA32106-1	Date Received: 03/09/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.1
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	8.2	1.9	0.38	0.096	mg/kg	5	04/21/16	04/21/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13104

(2) Prep QC Batch: MP30263

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 07-09SC0000	Date Sampled: 03/08/16
Lab Sample ID: FA32106-4	Date Received: 03/09/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.2
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	10.4	2.0	0.39	0.099	mg/kg	5	04/21/16	04/21/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13104

(2) Prep QC Batch: MP30263

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 07-07SC0000	Date Sampled: 03/08/16
Lab Sample ID: FA32106-7	Date Received: 03/09/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.3
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	9.3	2.0	0.40	0.099	mg/kg	5	04/21/16	04/21/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13104

(2) Prep QC Batch: MP30263

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 07-15SC0000	Date Sampled: 03/08/16
Lab Sample ID: FA32106-10	Date Received: 03/09/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.4
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	30.7	1.9	0.39	0.097	mg/kg	5	04/21/16	04/21/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13104

(2) Prep QC Batch: MP30263

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 07-ER12SC	Date Sampled: 03/08/16
Lab Sample ID: FA32106-13	Date Received: 03/09/16
Matrix: AQ - Equipment Blank	Percent Solids: n/a
Project: Ft Ord; CA	

4.5
4

Total Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.0 U	5.0	2.0	1.1	ug/l	1	03/11/16	03/11/16 LM	SW846 6010C ¹	SW846 3010A ²

- (1) Instrument QC Batch: MA13028
- (2) Prep QC Batch: MP30097

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection J = Indicates a result > = DL (MDL) but < LOQ

Misc. Forms**5****Custody Documents and Other Forms**

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # KL-030816-01

FA32106



Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Analytical Test Method SW8330B - Explosives SW6010C - Lead SW8330B - Explosives by ISM SW6010C - Lead by ISM	Code Matrix
		SO SOIL
Equipment:		WQ WATER QUALITY CONTROL MATRIX
		Code Container/Preservative
		2 2" 1L amber, 4 degrees C
		1 1" 1.0-1.5 kilogram bag
		1 1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016												
Sample ID	Matrix	Date	Time	Samp Init.				Location ID	Sample Type	Depth (ft bgs)		
										Top	Bottom	
1 07-10SC0000	SO	03/08/16	0939	KL				07-10	NI	0.0	0.5	
2 07-10SC0001			0949					07-10		1.0	1.5	HOLD
3 07-10SC0002			0957					07-10		2.0	2.5	HOLD
4 07-09SC0000			1016					07-09		0.0	0.5	
5 07-09SC0001			1027					07-09		1.0	1.5	HOLD
6 07-09SC0002			1036					07-09		2.0	2.5	HOLD
7 07-07SC0000			1152					07-07		0.0	0.5	
8 07-07SC0001			1203					07-07		1.0	1.5	HOLD
9 07-07SC0002			1217					07-07		2.0	2.5	HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>KL</i>	3/8/16	1500	<i>FEDEX</i>	3/8/16	1500	03/08/16 FEDEX 8088 897 3497
<i>FX</i>			<i>[Signature]</i>	3/9/16	1045	
						Received by Laboratory: (Signature, Date, Time) & condition
						①4.9

5.1
5

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC #

KL-030816-02

FA32106



Project Name: Fort Ord	D V H Z L G H S D Q J H S V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001		Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: -	5	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method	SW8330B - Explosives	SW6010C - Lead	SW8330B - Explosives by ISM	SW6010C - Lead by ISM	Code Matrix
							SO SOIL
							Code Container/Preservative
							2 2" 1L amber, 4 degrees C
							1 1" 1.0-1.5 kilogram bag
							1 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016										2	13	1	1
Sample ID	Matrix	Date	Time	Samp Init.				Location ID	Sample Type	Depth (ft bgs)			
01 07-15SC0000	SO	03/08/16	1236	KL				07-15	NL	0.0	0.5		
02 07-15SC0001	SO		1246					07-15	NL	1.0	1.5		
03 07-15SC0002	SO		1254					07-15	NL	2.0	2.5		
04 07-ER12SC	WQ		1430					FIELDQC	EB	NA	NA		
5													
6													
7													
8													
9													

HOLD
HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
KL Leonard	3/8/16	1500	FEDEX	3/8/16	1500	03/08/16 FEDEX 808889173497
FX			[Signature]	3/9/16	1045	
						Received by Laboratory: (Signature, Date, Time) & condition

ENV COC_Record July 06, 2015

5.1
5

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA32106 CLIENT: Gilbane PROJECT: Fort Ord
 DATE/TIME RECEIVED: 3/9/16 1045 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 1
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER DELIVERY OTHER: _____
 AIRBILL NUMBERS: 8088 8917 3497

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM _____ 5-GRAM _____
 NUMBER OF 5035 FIELD KITS ? _____
 NUMBER OF LAB FILTERED METALS ? _____
 TEST STRIP LOT#s pH 0-3 204413A

TEMPERATURE INFORMATION

IR THERM ID 1 CORR. FACTOR 10.2
 OBSERVED TEMPS: 4.7
 CORRECTED TEMPS: 4.9 (USED FOR LIMS)

SAMPLE INFORMATION

- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- % SOLIDS JAR NOT RECEIVED
- RESIDUAL CHLORINE PRESENT LOT# _____

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

pH 10-12 219813A OTHER (specify) _____

SUMMARY OF COMMENTS: _____

TECHNICIAN SIGNATURE/DATE [Signature] 3/10/16 REVIEWER SIGNATURE/DATE [Signature] 3/10/16
 NF 11/15 receipt confirmation 111015.xls

5.1
5

01000

FedEx Package Express *US Airbill*

FedEx Tracking Number 8088 8917 3497

Form ID No. 0215

17596

fedex.com 1.800.GoFedEx 1.800.463.3339

05663036

1 From Please print and press hard.

Date 3-8-16 Sender's FedEx Account Number
Sender's Name Kenneth P. Leonard Phone 925, 250-8159
Company Gilbone
Address 1655 Grant Street 12th floor
City Concord State CA ZIP 94520

2 Your Internal Billing Reference

J2022-00234

3 To

Recipient's Name SAMPLE MANAGEMENT Phone (407) 425-6700
Company ACCUTEST LABORATORIES
Address 4405 VINELAND RD STE C15
City ORLANDO State FL ZIP 32831-5383

4 Express Package Service

FedEx First Overnight
 FedEx Priority Overnight
 FedEx Standard Overnight
 FedEx 2Day A.M.
 FedEx 2Day
 FedEx Express Saver

5 Packaging

FedEx Envelope* FedEx Pak* FedEx Box FedEx Tube Other

6 Special Handling and Delivery Signature Options

SATURDAY Delivery
 No Signature Required
 Direct Signature
 Indirect Signature
Does this shipment contain dangerous goods?
 No Yes Yes (Dry Ice)
Cargon Aircraft Only

7 Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below
 Shipper Recipient Third Party Credit Card Cash/Check
Total Packages Total Weight Total Declared Value



5.1
5

ORIGIN ID: MRYA

SHIP DATE: 08MAR16
 ACTWT: 57.90 LB
 CAD: POS1621
 DIMS: 24x13x13 IN
 BILL RECIPIENT

UNITED STATES US

TO SAMPLE MANAGEMENT
 ACCUTEST LABORATORIES
 4405 VINELAND RD
 STE C15
 ORLANDO FL 32811

(407) 425-8700
 INVT
 291

REF: DEPT:

FedEx
 Express


2 of 3
 MPS# 7825 5075 1707
 Metr# 8088 8017 3497

WED - 09 MAR 10:30A
 PRIORITY OVERNIGHT

XH TIXA

0215

32811
 FL-US MCO



FA32106: Chain of Custody
Page 5 of 5

QC Evaluation: DOD QSM5 Limits

Job Number: FA32106
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 03/08/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MP30097 SW846 6010C							
MP30097-B1	7439-92-1	Lead	BSP	REC	103.4	%	86-113
MP30097-S1*	7439-92-1	Lead	MS	REC	104.8	%	86-113
MP30097-S2*	7439-92-1	Lead	MSD	REC	105	%	86-113
MP30097-S2*	7439-92-1	Lead	MSD	RPD	.2	%	20
MP30097-D1*	7439-92-1	Lead	DUP	RPD	0	%	20
MP30263 SW846 6010C							
MP30263-B1	7439-92-1	Lead	BSP	REC	101	%	81-112
MP30263-D1*	7439-92-1	Lead	DUP	RPD	3.4	%	20
MP30263-D2*	7439-92-1	Lead	DUP	RPD	14.4	%	20

5.2
5

* Sample used for QC is not from job FA32106

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32106
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13028
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
04:50	MA13028-STD1	1		STDA
04:54	MA13028-STD2	1		STDB
04:57	MA13028-STD3	1		STDC
05:01	MA13028-STD4	1		STDD
05:05	MA13028-HSTD1	1		
05:09	MA13028-ICV1	1		
05:14	MA13028-ICB1	1		
05:18	MA13028-CR1A1	1		
05:27	MA13028-ICSA1	1		
05:32	MA13028-ICSAB1	1		
05:38	MA13028-CCV1	1		
05:43	MA13028-CCB1	1		
05:47	MP30093-MB1	1		
05:51	MP30093-B1	1		
05:55	FA32070-3	2		(sample used for QC only; not part of login FA32106)
06:00	MP30093-D1	2		
06:04	MP30093-SD1	10		
06:09	MP30093-PS1	2		
06:13	MP30093-S1	2		
06:18	MP30093-S2	2		
06:22	ZZZZZZ	2		
06:27	ZZZZZZ	2		
06:31	MA13028-CCV2	1		
06:35	MA13028-CCB2	1		
06:40	ZZZZZZ	2		
06:44	ZZZZZZ	2		
06:49	ZZZZZZ	2		
06:53	ZZZZZZ	2		
06:58	ZZZZZZ	2		
07:03	ZZZZZZ	2		
07:07	ZZZZZZ	2		
07:12	ZZZZZZ	2		
07:16	ZZZZZZ	2		

6.1
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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32106
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 03/11/16
Run ID: MA13028
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:21	ZZZZZZ	2		
07:25	MA13028-CCV3	1		
07:30	MA13028-CCB3	1		
07:34	ZZZZZZ	2		
07:39	ZZZZZZ	2		
07:43	ZZZZZZ	2		
07:48	ZZZZZZ	2		
07:52	ZZZZZZ	2		
07:57	ZZZZZZ	2		
08:01	ZZZZZZ	2		
08:06	MP30094-MB1	1		
08:10	MP30094-B1	1		
08:15	FA32068-9	2		(sample used for QC only; not part of login FA32106)
08:19	MA13028-CCV4	1		
08:23	MA13028-CCB4	1		
08:28	MP30094-D1	2		
08:32	MP30094-SD1	10		
08:37	MP30094-PS1	2		
08:41	MP30094-S1	2		
08:46	MP30094-S2	2		
08:50	ZZZZZZ	2		
08:55	ZZZZZZ	2		
08:59	ZZZZZZ	2		
09:04	ZZZZZZ	2		
09:09	ZZZZZZ	2		
09:13	MA13028-CCV5	1		
09:17	MA13028-CCB5	1		
09:22	ZZZZZZ	2		
09:26	ZZZZZZ	2		
09:31	ZZZZZZ	2		
09:36	ZZZZZZ	2		
09:40	ZZZZZZ	2		
09:45	ZZZZZZ	2		

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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32106
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 03/11/16
Run ID: MA13028
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:49	ZZZZZZ	2		
09:54	ZZZZZZ	2		
09:59	ZZZZZZ	2		
10:03	ZZZZZZ	2		
10:08	MA13028-CCV6	1		
10:12	MA13028-CCB6	1		
10:16	ZZZZZZ	2		
10:21	ZZZZZZ	2		
10:26	ZZZZZZ	2		
10:33	ZZZZZZ	2		
11:04	MA13028-CCV7	1		
11:08	MA13028-CCB7	1		
13:23	MA13028-CCV8	1		
13:27	MA13028-CCB8	1		
13:40	MP30097-MB1	1		
13:45	MP30097-B1	1		
13:49	FA32009-1	1		(sample used for QC only; not part of login FA32106)
13:54	MP30097-D1	1		
13:58	MP30097-SD1	5		
14:02	MP30097-PS1	1		
14:07	MP30097-S1	1		
14:11	MP30097-S2	1		
14:15	MA13028-CCV9	1		
14:19	MA13028-CCB9	1		
14:24	ZZZZZZ	1		
14:28	ZZZZZZ	1		
14:33	ZZZZZZ	1		
14:37	ZZZZZZ	1		
14:42	ZZZZZZ	1		
14:46	ZZZZZZ	1		
14:51	ZZZZZZ	1		
14:55	ZZZZZZ	1		
14:59	ZZZZZZ	1		

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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32106
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 03/11/16
Run ID: MA13028
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:04	ZZZZZZ	1		
15:08	MA13028-CCV10	1		
15:13	MA13028-CCB10	1		
15:17	ZZZZZZ	1		
15:21	ZZZZZZ	1		
15:26	ZZZZZZ	1		
15:30	ZZZZZZ	1		
15:35	ZZZZZZ	1		
15:39	ZZZZZZ	1		
15:44	ZZZZZZ	1		
15:48	ZZZZZZ	1		
15:53	FA32106-13	1		
----->	Last reportable sample/prep for job FA32106			
16:02	MA13028-CCV11	1		
16:06	MA13028-CCB11	1		
16:10	MP30101-MB1	1		
16:15	MP30101-B1	1		
16:19	FA32072-7	2		(sample used for QC only; not part of login FA32106)
16:24	MP30101-D1	2		
16:28	MP30101-SD1	10		
16:33	MP30101-PS1	2		
16:37	MP30101-S1	2		
16:42	MP30101-S2	2		
16:46	ZZZZZZ	2		
16:51	ZZZZZZ	2		
16:56	MA13028-CCV12	1		
17:00	MA13028-CCB12	1		
17:04	ZZZZZZ	2		
17:09	ZZZZZZ	2		
17:13	ZZZZZZ	2		
17:18	ZZZZZZ	2		
17:23	ZZZZZZ	2		
17:27	ZZZZZZ	2		
17:32	ZZZZZZ	2		

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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32106
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 03/11/16
Run ID: MA13028
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:36	ZZZZZZ	2		
17:41	ZZZZZZ	2		
17:46	ZZZZZZ	2		
17:50	MA13028-CCV13	1		
17:54	MA13028-CCB13	1		
17:59	ZZZZZZ	2		
18:04	ZZZZZZ	2		
18:08	ZZZZZZ	2		
18:13	ZZZZZZ	2		
18:17	ZZZZZZ	2		
18:22	ZZZZZZ	2		
18:27	ZZZZZZ	2		
18:31	MP30098-MB1	1		
18:36	MP30098-B1	1		
18:40	FA32075-11	2		(sample used for QC only; not part of login FA32106)
18:45	MA13028-CCV14	1		
18:49	MA13028-CCB14	1		
18:53	MP30098-D1	2		
18:58	MP30098-SD1	10		
19:02	MP30098-PS1	2		
19:07	MP30098-S1	2		
19:12	MP30098-S2	2		
19:16	ZZZZZZ	2		
19:21	ZZZZZZ	2		
19:25	ZZZZZZ	2		
19:30	ZZZZZZ	2		
19:35	ZZZZZZ	2		
19:39	MA13028-CCV15	1		
19:43	MA13028-CCB15	1		
19:48	ZZZZZZ	2		
19:53	ZZZZZZ	2		
19:57	ZZZZZZ	2		
20:02	ZZZZZZ	2		

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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32106
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 03/11/16
Run ID: MA13028
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:06	ZZZZZZ	2		
20:11	ZZZZZZ	2		
20:16	ZZZZZZ	2		
20:20	ZZZZZZ	2		
20:25	ZZZZZZ	2		
20:29	ZZZZZZ	2		
20:34	MA13028-CCV16	1		
20:38	MA13028-CCB16	1		
20:43	ZZZZZZ	2		
20:47	ZZZZZZ	2		
20:52	ZZZZZZ	2		
20:56	ZZZZZZ	2		
21:01	MA13028-CRIA2	1		
21:05	MA13028-ICSA2	1		
21:10	MA13028-ICSAB2	1		
21:15	MA13028-CCV17	1		
21:19	MA13028-CCB17	1		

----->
Last reportable CCB for job FA32106
Refer to raw data for calibration curve and standards.

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INTERNAL STANDARD SUMMARY

Login Number: FA32106
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13028
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
04:50	MA13028-STD1	5592	42512	3752	2922
04:54	MA13028-STD2	5495	41388	3709	2700
04:57	MA13028-STD3	5343	40820	3767	2500
05:01	MA13028-STD4	5134	39813	3743	2312
05:05	MA13028-HSTD1	5108	39758	3746	2303
05:09	MA13028-ICV1	5290	40809	3787	2488
05:14	MA13028-ICB1	5598 R	43435 R	3884 R	2945 R
05:18	MA13028-CRIA1	5417	41670	3817	2758
05:27	MA13028-ICSA1	4876	36095	3481	2209
05:32	MA13028-ICSAB1	4816	35780	3429	2154
05:38	MA13028-CCV1	5202	39996	3719	2453
05:43	MA13028-CCB1	5602	43300	3891	2956
05:47	MP30093-MB1	5513	43426	3874	2918
05:51	MP30093-B1	5338	41061	3765	2586
05:55	FA32070-3	6601	50321	4716	2465
06:00	MP30093-D1	6514	49491	4625	2426
06:04	MP30093-SD1	5728	43733	4001	2683
06:09	MP30093-PS1	6559	49735	4647	2469
06:13	MP30093-S1	6415	48755	4522	2449
06:18	MP30093-S2	6498	49650	4652	2399
06:22	ZZZZZZ	6509	49511	4563	2467
06:27	ZZZZZZ	6407	48277	4460	2494
06:31	MA13028-CCV2	5149	39792	3607	2427
06:35	MA13028-CCB2	5395	41826	3725	2852
06:40	ZZZZZZ	6217	47052	4400	2426
06:44	ZZZZZZ	6269	48061	4427	2505
06:49	ZZZZZZ	6409	49149	4498	2491
06:53	ZZZZZZ	6256	47919	4396	2467
06:58	ZZZZZZ	6334	48132	4434	2504
07:03	ZZZZZZ	6457	49040	4475	2480
07:07	ZZZZZZ	6153	47076	4340	2385
07:12	ZZZZZZ	6384	48631	4457	2453
07:16	ZZZZZZ	6447	49263	4521	2477

INTERNAL STANDARD SUMMARY

Login Number: FA32106
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13028
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:21	ZZZZZZ	6671	51427	4725	2525
07:25	MA13028-CCV3	5168	40468	3697	2441
07:30	MA13028-CCB3	5496	42945	3798	2915
07:34	ZZZZZZ	6706	51489	4723	2465
07:39	ZZZZZZ	6951	53501	4880 !	2501
07:43	ZZZZZZ	7135 !	55230 !	5062 !	2464
07:48	ZZZZZZ	6340	49489	4574	2464
07:52	ZZZZZZ	6249	48547	4452	2543
07:57	ZZZZZZ	6519	51223	4674	2496
08:01	ZZZZZZ	6775	52696	4888 !	2478
08:06	MP30094-MB1	5554	44486	3930	2960
08:10	MP30094-B1	5301	41454	3759	2594
08:15	FA32068-9	6064	47087	4345	2493
08:19	MA13028-CCV4	5220	41079	3739	2482
08:23	MA13028-CCB4	5467	43150	3796	2913
08:28	MP30094-D1	6105	47792	4382	2530
08:32	MP30094-SD1	5602	43595	3905	2728
08:37	MP30094-PS1	6033	46943	4291	2468
08:41	MP30094-S1	6009	46829	4326	2455
08:46	MP30094-S2	6022	47271	4379	2462
08:50	ZZZZZZ	6419	50353	4648	2508
08:55	ZZZZZZ	6391	49934	4634	2524
08:59	ZZZZZZ	6597	51586	4810	2511
09:04	ZZZZZZ	6550	51208	4707	2547
09:09	ZZZZZZ	6561	51939	4773	2494
09:13	MA13028-CCV5	5233	41616	3852	2495
09:17	MA13028-CCB5	5482	43621	3838	2927
09:22	ZZZZZZ	6272	49120	4510	2499
09:26	ZZZZZZ	6051	47481	4378	2477
09:31	ZZZZZZ	5973	47137	4355	2478
09:36	ZZZZZZ	6724	52910	4899 !	2478
09:40	ZZZZZZ	6842	53940	4992 !	2503
09:45	ZZZZZZ	6863	54092	5023 !	2484

INTERNAL STANDARD SUMMARY

Login Number: FA32106
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13028
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:49	ZZZZZZ	6006	47594	4429	2501
09:54	ZZZZZZ	6443	52035	4777	2546
09:59	ZZZZZZ	6644	52992	4905 !	2516
10:03	ZZZZZZ	6176	48778	4589	2462
10:08	MA13028-CCV6	5161	41232	3797	2472
10:12	MA13028-CCB6	5557	43983	3854	2966
10:16	ZZZZZZ	6391	50389	4644	2506
10:21	ZZZZZZ	6284	49585	4516	2507
10:26	ZZZZZZ	6508	51013	4698	2469
10:33	ZZZZZZ	6387	50103	4621	2487
11:04	MA13028-CCV7	5107	40618	3774	2435
11:08	MA13028-CCB7	5388	43011	3821	2876
13:23	MA13028-CCV8	5086	39617	3603	2393
13:27	MA13028-CCB8	5334	41846	3682	2808
13:40	MP30097-MB1	5328	42109	3657	2787
13:45	MP30097-B1	5146	39995	3577	2506
13:49	FA32009-1	5242	40540	3597	2569
13:54	MP30097-D1	5274	41030	3654	2585
13:58	MP30097-SD1	5351	41618	3680	2744
14:02	MP30097-PS1	5224	40447	3605	2534
14:07	MP30097-S1	5116	39480	3546	2415
14:11	MP30097-S2	5140	39934	3643	2419
14:15	MA13028-CCV9	5059	39620	3586	2395
14:19	MA13028-CCB9	5329	41734	3670	2830
14:24	ZZZZZZ	5118	39926	3616	2551
14:28	ZZZZZZ	5167	40722	3636	2637
14:33	ZZZZZZ	5103	39724	3597	2563
14:37	ZZZZZZ	5055	39422	3601	2493
14:42	ZZZZZZ	4892	38029	3540	2412
14:46	ZZZZZZ	5179	40906	3644	2682
14:51	ZZZZZZ	5229	41076	3626	2701
14:55	ZZZZZZ	5236	41180	3647	2680
14:59	ZZZZZZ	5260	41376	3692	2674

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INTERNAL STANDARD SUMMARY

Login Number: FA32106
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13028
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:04	ZZZZZZ	5187	40900	3705	2630
15:08	MA13028-CCV10	4978	39094	3579	2374
15:13	MA13028-CCB10	5316	41970	3721	2816
15:17	ZZZZZZ	5102	40244	3649	2590
15:21	ZZZZZZ	5144	39996	3616	2601
15:26	ZZZZZZ	5325	42594	3732	2819
15:30	ZZZZZZ	5336	42612	3797	2809
15:35	ZZZZZZ	5283	42183	3718	2788
15:39	ZZZZZZ	5204	41251	3718	2680
15:44	ZZZZZZ	5154	40885	3705	2647
15:48	ZZZZZZ	5093	40339	3663	2619
15:53	FA32106-13	5136	40660	3679	2645
16:02	MA13028-CCV11	5011	39597	3697	2399
16:06	MA13028-CCB11	5243	41349	3681	2792
16:10	MP30101-MB1	5259	42331	3768	2818
16:15	MP30101-B1	5065	40212	3717	2493
16:19	FA32072-7	5847	46187	4339	2426
16:24	MP30101-D1	5907	45996	4310	2421
16:28	MP30101-SD1	5369	42446	3885	2627
16:33	MP30101-PS1	5821	46090	4338	2403
16:37	MP30101-S1	5708	45184	4230	2352
16:42	MP30101-S2	5607	45807	4302	2295
16:46	ZZZZZZ	6415	51104	4869 !	2453
16:51	ZZZZZZ	6024	48607	4621	2443
16:56	MA13028-CCV12	4933	40140	3784	2402
17:00	MA13028-CCB12	5276	43019	3938	2853
17:04	ZZZZZZ	6334	51127	4921 !	2430
17:09	ZZZZZZ	6349	50750	4817	2427
17:13	ZZZZZZ	5772	46671	4463	2434
17:18	ZZZZZZ	5847	47207	4507	2450
17:23	ZZZZZZ	6137	49667	4584	2424
17:27	ZZZZZZ	5887	47488	4528	2426
17:32	ZZZZZZ	5776	46974	4517	2413

INTERNAL STANDARD SUMMARY

Login Number: FA32106
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13028
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:36	ZZZZZZ	5824	46615	4405	2405
17:41	ZZZZZZ	5915	45429	4537	2397
17:46	ZZZZZZ	5961	48524	4688	2448
17:50	MA13028-CCV13	5012	40538	3797	2433
17:54	MA13028-CCB13	5203	42254	3800	2821
17:59	ZZZZZZ	5751	46322	4384	2436
18:04	ZZZZZZ	6013	48566	4637	2432
18:08	ZZZZZZ	6062	48288	4537	2457
18:13	ZZZZZZ	6008	48271	4538	2421
18:17	ZZZZZZ	6238	49781	4698	2429
18:22	ZZZZZZ	5634	45064	4206	2475
18:27	ZZZZZZ	5924	47538	4482	2434
18:31	MP30098-MB1	5297	43659	3943	2873
18:36	MP30098-B1	5076	40883	3715	2536
18:40	FA32075-11	5840	46879	4315	2458
18:45	MA13028-CCV14	4995	40399	3741	2401
18:49	MA13028-CCB14	5280	42925	3859	2833
18:53	MP30098-D1	5876	46847	4311	2464
18:58	MP30098-SD1	5345	42738	3872	2641
19:02	MP30098-PS1	5808	46834	4340	2435
19:07	MP30098-S1	5950	48080	4519	2378
19:12	MP30098-S2	5710	45864	4256	2398
19:16	ZZZZZZ	6167	49652	4610	2453
19:21	ZZZZZZ	6163	49509	4647	2465
19:25	ZZZZZZ	5885	47335	4478	2423
19:30	ZZZZZZ	5992	48012	4473	2425
19:35	ZZZZZZ	5700	45861	4271	2469
19:39	MA13028-CCV15	4916	39807	3734	2379
19:43	MA13028-CCB15	5219	41967	3752	2803
19:48	ZZZZZZ	6141	49144	4597	2395
19:53	ZZZZZZ	5900	47769	4509	2401
19:57	ZZZZZZ	6007	48912	4507	2472
20:02	ZZZZZZ	6098	48670	4514	2465

INTERNAL STANDARD SUMMARY

Login Number: FA32106
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13028
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
20:06	ZZZZZZ	5939	47844	4470	2434
20:11	ZZZZZZ	5839	47724	4499	2451
20:16	ZZZZZZ	6049	48587	4553	2446
20:20	ZZZZZZ	5965	47766	4463	2452
20:25	ZZZZZZ	6078	49020	4635	2425
20:29	ZZZZZZ	6277	50287	4675	2428
20:34	MA13028-CCV16	4959	40146	3697	2404
20:38	MA13028-CCB16	5191	42421	3793	2804
20:43	ZZZZZZ	6324	51023	4795	2440
20:47	ZZZZZZ	6203	49453	4603	2428
20:52	ZZZZZZ	6403	51493	4829	2490
20:56	ZZZZZZ	6433	51735	4857 !	2433
21:01	MA13028-CRIA2	5132	40998	3684	2685
21:05	MA13028-ICSA2	4572	36273	3541	2144
21:10	MA13028-ICSAB2	4496	35437	3427	2070
21:15	MA13028-CCV17	4881	39427	3612	2366
21:19	MA13028-CCB17	5172	42029	3740	2787

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

<u>Istd#</u>	<u>Parameter</u>	<u>Limits</u>
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.1.1
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32106
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/11/16
 Run ID: MA13028

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		05:14		05:43		06:35		07:30		
	Sample ID:	RL	IDL	ICB1	final	CCB1	final	CCB2	final	CCB3	final
Aluminum		200	14								
Antimony		6.0	1	anr							
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2								
Cadmium		5.0	.2	anr							
Calcium		1000	50								
Chromium		10	1	anr							
Cobalt		50	.2								
Copper		25	1	anr							
Iron		300	17	anr							
Lead		5.0	1	0.60	<5.0	0.50	<5.0	0.20	<5.0	0.70	<5.0
Magnesium		5000	35								
Manganese		15	.5	anr							
Molybdenum		50	.3								
Nickel		40	.4								
Potassium		10000	200								
Selenium		10	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500								
Strontium		10	.5								
Thallium		10	1.1								
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32106
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/11/16
 Run ID: MA13028

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	08:23 CCB4		09:17 CCB5		10:12 CCB6		11:08 CCB7	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14								
Antimony		6.0	1	anr							
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2								
Cadmium		5.0	.2	anr							
Calcium		1000	50								
Chromium		10	1	anr							
Cobalt		50	.2								
Copper		25	1	anr							
Iron		300	17	anr							
Lead		5.0	1	0.0	<5.0	-0.10	<5.0	0.20	<5.0	-0.10	<5.0
Magnesium		5000	35								
Manganese		15	.5	anr							
Molybdenum		50	.3								
Nickel		40	.4								
Potassium		10000	200								
Selenium		10	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500								
Strontium		10	.5								
Thallium		10	1.1								
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32106
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/11/16
 Run ID: MA13028

Methods: SW846 6010C
 Units: ug/l

Time: Sample ID:	RL	IDL	13:27 CCB8 raw	final	14:19 CCB9 raw	final	15:13 CCB10 raw	final	16:06 CCB11 raw	final
Aluminum	200	14								
Antimony	6.0	1	anr							
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2								
Cadmium	5.0	.2	anr							
Calcium	1000	50								
Chromium	10	1	anr							
Cobalt	50	.2								
Copper	25	1	anr							
Iron	300	17	anr							
Lead	5.0	1	-0.40	<5.0	-0.40	<5.0	-0.60	<5.0	-0.20	<5.0
Magnesium	5000	35								
Manganese	15	.5	anr							
Molybdenum	50	.3								
Nickel	40	.4								
Potassium	10000	200								
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500								
Strontium	10	.5								
Thallium	10	1.1								
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5								
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32106
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/11/16
 Run ID: MA13028

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	17:00 CCB12		17:54 CCB13		18:49 CCB14		19:43 CCB15	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14								
Antimony		6.0	1	anr							
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2								
Cadmium		5.0	.2	anr							
Calcium		1000	50								
Chromium		10	1	anr							
Cobalt		50	.2								
Copper		25	1	anr							
Iron		300	17	anr							
Lead		5.0	1	-0.30	<5.0	-0.30	<5.0	-0.10	<5.0	-0.30	<5.0
Magnesium		5000	35								
Manganese		15	.5	anr							
Molybdenum		50	.3								
Nickel		40	.4								
Potassium		10000	200								
Selenium		10	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500								
Strontium		10	.5								
Thallium		10	1.1								
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32106
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP
QC Limits: result < RL

Date Analyzed: 03/11/16
Run ID: MA13028

Methods: SW846 6010C
Units: ug/l

Metal	Time:		20:38		21:19				
	Sample ID:	RL	IDL	CCB16	raw	final	CCB17	raw	final
Aluminum		200	14						
Antimony		6.0	1	anr					
Arsenic		10	1.3	anr					
Barium		200	1	anr					
Beryllium		4.0	.2						
Cadmium		5.0	.2	anr					
Calcium		1000	50						
Chromium		10	1	anr					
Cobalt		50	.2						
Copper		25	1	anr					
Iron		300	17	anr					
Lead		5.0	1	-0.60	<5.0		-0.60		<5.0
Magnesium		5000	35						
Manganese		15	.5	anr					
Molybdenum		50	.3						
Nickel		40	.4						
Potassium		10000	200						
Selenium		10	2.4	anr					
Silver		10	.7	anr					
Sodium		10000	500						
Strontium		10	.5						
Thallium		10	1.1						
Tin		50	.9						
Titanium		10	.5						
Vanadium		50	.5						
Zinc		20	3	anr					

(*) Outside of QC limits
(anr) Analyte not requested

6.1.2
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32106
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13028 Units: ug/l

Metal	Time:		05:09		05:38		06:31			
	Sample ID:	ICV	ICV1	CCV	CCV1	CCV	CCV2			
		True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum										
Antimony	anr									
Arsenic	anr									
Barium	anr									
Beryllium										
Cadmium	anr									
Calcium										
Chromium	anr									
Cobalt										
Copper	anr									
Iron	anr									
Lead	2000	2000	2000	100.0	2000	2050	102.5	2000	2090	104.5
Magnesium										
Manganese	anr									
Molybdenum										
Nickel										
Potassium										
Selenium	anr									
Silver	anr									
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc	anr									

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32106
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13028 Units: ug/l

Metal	Sample ID	Time: CCV	07:25 CCV3		08:19 CCV4		09:13 CCV5		
			Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	2000	2080	104.0	2000	2030	101.5	2000	2020	101.0
Magnesium									
Manganese	anr								
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32106
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13028 Units: ug/l

Metal	Sample ID:	Time:	10:08		11:04		13:23			
			CCV6	CCV7	CCV8	CCV9				
		True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum										
Antimony	anr									
Arsenic	anr									
Barium	anr									
Beryllium										
Cadmium	anr									
Calcium										
Chromium	anr									
Cobalt										
Copper	anr									
Iron	anr									
Lead	2000	2020	2020	101.0	2000	2030	101.5	2000	2010	100.5
Magnesium										
Manganese	anr									
Molybdenum										
Nickel										
Potassium										
Selenium	anr									
Silver	anr									
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc	anr									

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32106
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13028 Units: ug/l

Metal	Sample ID	Time: CCV	14:15 CCV9		15:08 CCV10		16:02 CCV11		
			Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	2000	2020	101.0	2000	2030	101.5	2000	1990	99.5
Magnesium									
Manganese	anr								
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32106
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13028 Units: ug/l

Metal	Sample ID	CCV	16:56		CCV	17:50		CCV	18:45	
			CCV12	Results		CCV13	Results		CCV14	Results
		True		% Rec	True		% Rec	True		% Rec
Aluminum										
Antimony	anr									
Arsenic	anr									
Barium	anr									
Beryllium										
Cadmium	anr									
Calcium										
Chromium	anr									
Cobalt										
Copper	anr									
Iron	anr									
Lead	2000	1980	99.0	2000	1960	98.0	2000	2000	100.0	
Magnesium										
Manganese	anr									
Molybdenum										
Nickel										
Potassium										
Selenium	anr									
Silver	anr									
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc	anr									

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32106
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13028 Units: ug/l

Metal	Sample ID	CCV	19:39		CCV	20:34		CCV	21:15	
			CCV15	Results		CCV16	Results		CCV17	Results
		True	% Rec		True	% Rec		True	% Rec	
Aluminum										
Antimony	anr									
Arsenic	anr									
Barium	anr									
Beryllium										
Cadmium	anr									
Calcium										
Chromium	anr									
Cobalt										
Copper	anr									
Iron	anr									
Lead	2000	2030	101.5	2000	2010	100.5	2000	2050	102.5	
Magnesium										
Manganese	anr									
Molybdenum										
Nickel										
Potassium										
Selenium	anr									
Silver	anr									
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc	anr									

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA32106
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13028 Units: ug/l

Time:	05:05
Sample ID:	HSTD1
Metal	True
Results	% Rec

Aluminum			
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium	anr		
Calcium			
Chromium	anr		
Cobalt			
Copper	anr		
Iron	anr		
Lead	4000	4050	101.3
Magnesium			
Manganese	anr		
Molybdenum			
Nickel			
Potassium			
Selenium	anr		
Silver	anr		
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA32106
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13028 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	05:18 CRIA1 Results	% Rec	21:01 CRIA2 Results	% Rec
Metal						
Aluminum	400	200				
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0	anr			
Calcium	2000	1000				
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	5.2	104.0	4.8	96.0
Magnesium	10000	5000				
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000				
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000				
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA32106
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031116M1.ICP Date Analyzed: 03/11/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13028 Units: ug/l

Time:	05:27	05:32	21:05	21:10						
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2						
Metal	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum	500000	500000	475000	95.0	511000	102.2	482000	96.4	502000	100.4
Antimony		1000	-1.2		1040	104.0	0.80		1060	106.0
Arsenic		1000	1.1		1120	112.0	0.60		1130	113.0
Barium		500	0.80		513	102.6	-4.4		513	102.6
Beryllium		500	0.20		526	105.2	0.10		520	104.0
Cadmium		1000	0.0		1010	101.0	1.8		1010	101.0
Calcium	500000	500000	468000	93.6	490000	98.0	465000	93.0	482000	96.4
Chromium		500	0.80		531	106.2	0.60		526	105.2
Cobalt		500	0.40		490	98.0	-0.80		489	97.8
Copper		500	0.20		542	108.4	0.0		549	109.8
Iron	200000	200000	179000	89.5	192000	96.0	180000	90.0	190000	95.0
Lead		1000	0.30		995	99.5	-8.4		986	98.6
Magnesium	500000	500000	505000	101.0	535000	107.0	496000	99.2	519000	103.8
Manganese		500	0.50		531	106.2	0.50		529	105.8
Molybdenum		1000	0.20		957	95.7	-0.70		959	95.9
Nickel		1000	0.10		998	99.8	-0.80		1010	101.0
Potassium			551		16.3		418		137	
Selenium		1000	0.0		1060	106.0	1.1		1060	106.0
Silver		1000	0.30		1070	107.0	-0.60		1080	108.0
Sodium			756		226		522		278	
Strontium		1000	0.60		1030	103.0	0.70		1050	105.0
Thallium		1000	-1.1		979	97.9	-4.2		977	97.7
Tin		1000	3.1		954	95.4	2.7		944	94.4
Titanium		1000	0.20		1040	104.0	0.30		1040	104.0
Vanadium		500	0.0		488	97.6	-1.3		489	97.8
Zinc		1000	0.10		1010	101.0	1.0		986	98.6

(*) Outside of QC limits
(anr) Analyte not requested

6.1.6
6

SGS Accutest Instrument Runlog
Inorganics AnalysesLogin Number: FA32106
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CAFile ID: SA042116M1.ICP
Analyst: LM
Parameters: PbDate Analyzed: 04/21/16
Run ID: MA13104
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:40	MA13104-STD1	1		STDA
09:44	MA13104-STD2	1		STDB
09:49	MA13104-STD3	1		STDC
09:52	MA13104-STD4	1		STDD
09:56	MA13104-HSTD1	1		
10:02	MA13104-ICV1	1		
10:09	MA13104-ICB1	1		
10:13	MA13104-CR1A1	1		
10:19	MA13104-ICSA1	1		
10:24	MA13104-ICSAB1	1		
10:30	MA13104-CCV1	1		
10:36	MA13104-CCB1	1		
10:41	ZZZZZZ	2		
10:45	FA33214-1	25		(sample used for QC only; not part of login FA32106)
10:50	MP30257-D1	25		
10:55	MP30257-S1	25		
10:59	MP30257-S2	25		
11:04	MP30257-PS1	25		
11:08	MP30257-SD1	125		
11:19	MP30261-MB1	1		
11:23	MP30261-B1	1		
11:27	MA13104-CCV2	1		
11:32	MA13104-CCB2	1		
11:36	FA33248-3	1		(sample used for QC only; not part of login FA32106)
11:40	MP30261-D1	1		
11:45	MP30261-SD1	5		
11:49	MP30261-PS1	1		
11:54	MP30261-S1	1		
11:58	MP30261-S2	1		
12:02	ZZZZZZ	1		
12:06	ZZZZZZ	1		
12:11	ZZZZZZ	1		
12:15	ZZZZZZ	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32106
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042116M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 04/21/16
Run ID: MA13104
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:20	MA13104-CCV3	1		
12:24	MA13104-CCB3	1		
12:28	ZZZZZZ	1		
12:33	ZZZZZZ	1		
12:37	ZZZZZZ	1		
12:42	ZZZZZZ	1		
12:46	ZZZZZZ	1		
12:50	ZZZZZZ	1		
12:55	ZZZZZZ	1		
13:00	ZZZZZZ	1		
13:04	ZZZZZZ	1		
13:09	ZZZZZZ	1		
13:13	MA13104-CCV4	1		
13:17	MA13104-CCB4	1		
13:22	ZZZZZZ	1		
13:26	ZZZZZZ	1		
13:31	ZZZZZZ	1		
13:35	MP30261-MB2A	1		
13:40	MA13104-CRIA2	1		
13:44	ZZZZZZ	250		
13:49	MP30262-MB1	1		
13:53	MP30262-B1	1		
13:58	FA33230-10	1		(sample used for QC only; not part of login FA32106)
14:02	MP30262-D1	1		
14:07	MA13104-CCV5	1		
14:11	MA13104-CCB5	1		
14:15	MP30262-SD1	5		
14:20	MP30262-PS1	1		
14:25	MP30262-S1	1		
14:29	MP30262-S2	1		
14:34	ZZZZZZ	1		
14:38	ZZZZZZ	1		
14:42	ZZZZZZ	1		

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32106
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042116M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 04/21/16
Run ID: MA13104
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:47	ZZZZZZ	1		
14:51	ZZZZZZ	1		
14:56	ZZZZZZ	1		
15:00	MA13104-CCV6	1		
15:05	MA13104-CCB6	1		
15:09	ZZZZZZ	1		
15:14	ZZZZZZ	1		
15:18	ZZZZZZ	1		
15:23	ZZZZZZ	1		
15:27	MP30263-MB1	5		
15:32	MP30263-B1	5		
15:36	FA31998-1	5		(sample used for QC only; not part of login FA32106)
15:40	MP30263-D1	5		
15:45	MP30263-D2	5		
15:49	MP30263-SD1	25		
15:54	MA13104-CCV7	1		
15:58	MA13104-CCB7	1		
16:02	MP30263-PS1	5		
16:07	ZZZZZZ	5		
16:11	ZZZZZZ	5		
16:16	ZZZZZZ	5		
16:20	ZZZZZZ	5		
16:25	ZZZZZZ	5		
16:29	ZZZZZZ	5		
16:33	ZZZZZZ	5		
16:38	ZZZZZZ	5		
16:42	FA32106-1	5		
16:46	MA13104-CCV8	1		
16:50	MA13104-CCB8	1		
16:55	FA32106-4	5		
16:59	FA32106-7	5		
17:04	FA32106-10	5		
----->	Last reportable sample/prep for job FA32106			
17:08	ZZZZZZ	5		

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32106
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042116M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 04/21/16
Run ID: MA13104

Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:12	ZZZZZZ	5		
17:17	ZZZZZZ	5		
17:21	ZZZZZZ	5		
17:25	ZZZZZZ	5		
17:30	MA13104-CRIA3	1		
17:34	MA13104-ICSA2	1		
17:39	MA13104-CCV9	1		
17:43	MA13104-CCB9	1		
17:47	MA13104-ICSAB2	1		
17:52	MA13104-CCV10	1		
17:56	MA13104-CCB10	1		

-----> Last reportable CCB for job FA32106
Refer to raw data for calibration curve and standards.

6.2
6

INTERNAL STANDARD SUMMARY

Login Number: FA32106
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13104
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:40	MA13104-STD1	5821	45102	3445	3027
09:44	MA13104-STD2	5806	44422	3421	2860
09:49	MA13104-STD3	5519	42365	3323	2580
09:52	MA13104-STD4	5264	41154	3315	2387
09:56	MA13104-HSTD1	5339	41411	3313	2409
10:02	MA13104-ICV1	5477	41976	3317	2559
10:09	MA13104-ICB1	5754 R	44518 R	3446 R	2972 R
10:13	MA13104-CRIA1	5730	43694	3411	2895
10:19	MA13104-ICSA1	5105	38327	3179	2320
10:24	MA13104-ICSAB1	5075	38521	3200	2286
10:30	MA13104-CCV1	5525	43042	3429	2608
10:36	MA13104-CCB1	5748	44844	3376	3029
10:41	ZZZZZZ	6496	50788	3908	2914
10:45	FA33214-1	5105	38110	3345	2334
10:50	MP30257-D1	5080	36978	3332	2310
10:55	MP30257-S1	5096	38374	3340	2312
10:59	MP30257-S2	5117	38198	3339	2324
11:04	MP30257-PS1	5067	37744	3267	2307
11:08	MP30257-SD1	5528	41959	3362	2646
11:19	MP30261-MB1	5747	45499	3414	3010
11:23	MP30261-B1	5546	43010	3333	2687
11:27	MA13104-CCV2	5534	42732	3332	2591
11:32	MA13104-CCB2	5888	45866	3455	3073
11:36	FA33248-3	5470	42370	3318	2676
11:40	MP30261-D1	5520	42890	3337	2696
11:45	MP30261-SD1	5734	44537	3416	2900
11:49	MP30261-PS1	5475	42324	3325	2635
11:54	MP30261-S1	5436	41782	3252	2546
11:58	MP30261-S2	5451	41809	3226	2542
12:02	ZZZZZZ	5525	42711	3301	2669
12:06	ZZZZZZ	5443	42405	3315	2644
12:11	ZZZZZZ	5493	42443	3329	2663
12:15	ZZZZZZ	5510	42613	3298	2685

6.2.1
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INTERNAL STANDARD SUMMARY

Login Number: FA32106
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13104
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:20	MA13104-CCV3	5389	41803	3258	2529
12:24	MA13104-CCB3	5824	45400	3431	3041
12:28	ZZZZZZ	5677	44071	3335	2854
12:33	ZZZZZZ	5399	41668	3272	2629
12:37	ZZZZZZ	5625	43933	3366	2820
12:42	ZZZZZZ	5633	43816	3372	2841
12:46	ZZZZZZ	5449	41762	3324	2635
12:50	ZZZZZZ	5280	40328	3260	2507
12:55	ZZZZZZ	5227	39453	3157	2509
13:00	ZZZZZZ	5158	38956	3150	2415
13:04	ZZZZZZ	5472	42148	3304	2639
13:09	ZZZZZZ	5350	41153	3366	2548
13:13	MA13104-CCV4	5482	42256	3270	2571
13:17	MA13104-CCB4	5882	45261	3347	3042
13:22	ZZZZZZ	5361	40899	3206	2560
13:26	ZZZZZZ	5298	40211	3258	2479
13:31	ZZZZZZ	5589	43302	3311	2765
13:35	MP30261-MB2A	5840	46029	3391	3017
13:40	MA13104-CRIA2	5828	44869	3412	2928
13:44	ZZZZZZ	5727	43862	3359	2841
13:49	MP30262-MB1	5720	45180	3332	2971
13:53	MP30262-B1	5556	42926	3294	2681
13:58	FA33230-10	5144	39789	3411	2020
14:02	MP30262-D1	5282	40943	3492	2012
14:07	MA13104-CCV5	5564	43114	3309	2603
14:11	MA13104-CCB5	5770	44971	3314	3001
14:15	MP30262-SD1	5260	40510	3235	2406
14:20	MP30262-PS1	5059	39428	3384	1990
14:25	MP30262-S1	5066	39575	3370	1944
14:29	MP30262-S2	5172	40073	3330	1962
14:34	ZZZZZZ	6502	50467	3717	2758
14:38	ZZZZZZ	6313	49209	3675	2808
14:42	ZZZZZZ	5319	41453	3342	2281

6.2.1
6

INTERNAL STANDARD SUMMARY

Login Number: FA32106
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13104
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:47	ZZZZZZ	5830	44644	3469	2426
14:51	ZZZZZZ	5573	43237	3405	2373
14:56	ZZZZZZ	8788 !	68222 !	5699 !	1791
15:00	MA13104-CCV6	5529	42629	3149	2592
15:05	MA13104-CCB6	5866	45342	3234	3045
15:09	ZZZZZZ	5541	43002	3298	2447
15:14	ZZZZZZ	5711	44229	3351	2547
15:18	ZZZZZZ	6170	47609	3415	2844
15:23	ZZZZZZ	5979	46672	3354	2911
15:27	MP30263-MB1	5879	46000	3347	3035
15:32	MP30263-B1	5770	44481	3231	2895
15:36	FA31998-1	5964	44612	3273	2799
15:40	MP30263-D1	5853	44376	3276	2748
15:45	MP30263-D2	5776	43409	3217	2692
15:49	MP30263-SD1	5935	45009	3243	2942
15:54	MA13104-CCV7	5553	42448	3151	2588
15:58	MA13104-CCB7	5591	43578	3166	2886
16:02	MP30263-PS1	5887	44349	3306	2741
16:07	ZZZZZZ	5926	44553	3309	2714
16:11	ZZZZZZ	5999	45125	3315	2755
16:16	ZZZZZZ	5848	44514	3257	2829
16:20	ZZZZZZ	5935	45184	3324	2831
16:25	ZZZZZZ	5766	43448	3175	2756
16:29	ZZZZZZ	5788	43496	3171	2766
16:33	ZZZZZZ	5894	44640	3236	2824
16:38	ZZZZZZ	5938	44987	3309	2848
16:42	FA32106-1	5789	44429	3249	2850
16:46	MA13104-CCV8	5463	41707	3086	2542
16:50	MA13104-CCB8	5885	45380	3215	3028
16:55	FA32106-4	5847	44939	3276	2878
16:59	FA32106-7	5795	44147	3270	2796
17:04	FA32106-10	5829	44423	3251	2820
17:08	ZZZZZZ	5808	43999	3213	2851

6.2.1
6

INTERNAL STANDARD SUMMARY

Login Number: FA32106
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13104
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:12	ZZZZZZ	5840	44521	3255	2857
17:17	ZZZZZZ	5771	44255	3237	2860
17:21	ZZZZZZ	5740	43627	3195	2757
17:25	ZZZZZZ	5850	44382	3230	2820
17:30	MA13104-CRIA3	5769	44021	3170	2883
17:34	MA13104-ICSA2	5077	37885	2908	2266
17:39	MA13104-CCV9	5553	42599	3120	2581
17:43	MA13104-CCB9	5806	44707	3161	2992
17:47	MA13104-ICSAB2	5127	38188	2927	2265
17:52	MA13104-CCV10	5474	41739	3031	2538
17:56	MA13104-CCB10	5860	45355	3217	3002

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.2.1
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32106
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042116M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/21/16
 Run ID: MA13104

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		10:09		10:36		11:32		12:24		
	Sample ID:	RL	IDL	ICB1	final	CCB1	final	CCB2	final	CCB3	final
Aluminum	200	14									
Antimony	6.0	1									
Arsenic	10	1.3	anr								
Barium	200	1	anr								
Beryllium	4.0	.2									
Cadmium	5.0	.2	anr								
Calcium	1000	50									
Chromium	10	1	anr								
Cobalt	50	.2									
Copper	25	1	anr								
Iron	300	17	anr								
Lead	5.0	1	-0.80	<5.0	-0.50	<5.0	-0.40	<5.0	-0.30	<5.0	
Magnesium	5000	35									
Manganese	15	.5	anr								
Molybdenum	50	.3	anr								
Nickel	40	.4	anr								
Potassium	10000	200									
Selenium	10	2.4									
Silver	10	.7	anr								
Sodium	10000	500	anr								
Strontium	10	.5									
Thallium	10	1.1									
Tin	50	.9									
Titanium	10	.5									
Vanadium	50	.5									
Zinc	20	3	anr								

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32106
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042116M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/21/16
 Run ID: MA13104

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	13:17 CCB4		14:11 CCB5		15:05 CCB6		15:58 CCB7	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14								
Antimony		6.0	1								
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2								
Cadmium		5.0	.2	anr							
Calcium		1000	50								
Chromium		10	1	anr							
Cobalt		50	.2								
Copper		25	1	anr							
Iron		300	17	anr							
Lead		5.0	1	-0.20	<5.0	-0.40	<5.0	-0.30	<5.0	0.30	<5.0
Magnesium		5000	35								
Manganese		15	.5	anr							
Molybdenum		50	.3	anr							
Nickel		40	.4	anr							
Potassium		10000	200								
Selenium		10	2.4								
Silver		10	.7	anr							
Sodium		10000	500	anr							
Strontium		10	.5								
Thallium		10	1.1								
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32106
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042116M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/21/16
 Run ID: MA13104

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	16:50 CCB8		17:43 CCB9		17:56 CCB10	
				raw	final	raw	final	raw	final
Aluminum		200	14						
Antimony		6.0	1						
Arsenic		10	1.3	anr					
Barium		200	1	anr					
Beryllium		4.0	.2						
Cadmium		5.0	.2	anr					
Calcium		1000	50						
Chromium		10	1	anr					
Cobalt		50	.2						
Copper		25	1	anr					
Iron		300	17	anr					
Lead		5.0	1	0.20	<5.0	-0.50	<5.0	-0.30	<5.0
Magnesium		5000	35						
Manganese		15	.5	anr					
Molybdenum		50	.3	anr					
Nickel		40	.4	anr					
Potassium		10000	200						
Selenium		10	2.4						
Silver		10	.7	anr					
Sodium		10000	500	anr					
Strontium		10	.5						
Thallium		10	1.1						
Tin		50	.9						
Titanium		10	.5						
Vanadium		50	.5						
Zinc		20	3	anr					

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32106
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13104 Units: ug/l

Metal	Time:		10:02		10:30		11:27		
	Sample ID:	ICV	ICV1	CCV	CCV1	CCV	CCV2	Results	
	True	True	Results	% Rec	True	Results	% Rec	True	
Aluminum									
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	2000	2010	100.5	2000	1980	99.0	2000	2000	100.0
Magnesium									
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium									
Selenium									
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32106
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13104 Units: ug/l

Metal	Time: Sample ID: CCV	12:20 CCV3		CCV True	13:13 CCV4		CCV True	14:07 CCV5	
		Results	% Rec		Results	% Rec		Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	2000	2050	102.5	2000	2010	100.5	2000	1990	99.5
Magnesium									
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium									
Selenium									
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32106
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13104 Units: ug/l

Metal	Sample ID:	CCV	15:00		15:54		16:46		
			CCV6	Results	CCV7	Results	CCV8	Results	
		True		% Rec	True	% Rec	True	% Rec	
Aluminum									
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	2000	1990	99.5	2000	1980	99.0	2000	2020	101.0
Magnesium									
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium									
Selenium									
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32106
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13104 Units: ug/l

Time:	17:39	17:52		
Sample ID:	CCV9	CCV10		
Metal	True	True	Results	% Rec
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron	anr			
Lead	2000	1980	99.0	2000
Magnesium				
Manganese	anr			
Molybdenum	anr			
Nickel	anr			
Potassium				
Selenium				
Silver	anr			
Sodium	anr			
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA32106
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13104 Units: ug/l

Time:	09:56
Sample ID:	HSTD1
Metal	True
Results	% Rec

Aluminum			
Antimony			
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium	anr		
Calcium			
Chromium	anr		
Cobalt			
Copper	anr		
Iron	anr		
Lead	4000	3990	99.8
Magnesium			
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium			
Selenium			
Silver	anr		
Sodium	anr		
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA32106
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13104 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	10:13 CRIA1 Results	% Rec	13:40 CRIA2 Results	% Rec	17:30 CRIA3 Results	% Rec
Aluminum	400	200						
Antimony	10	5.0						
Arsenic	20	10	anr					
Barium	400	200	anr					
Beryllium	10	5.0						
Cadmium	10	5.0	anr					
Calcium	2000	1000						
Chromium	20	10	anr					
Cobalt	100	50						
Copper	50	25	anr					
Iron	600	300	anr					
Lead	10	5.0	4.9	98.0	5.2	104.0	4.6	92.0
Magnesium	10000	5000						
Manganese	30	15	anr					
Molybdenum	100	50	anr					
Nickel	80	40	anr					
Potassium	20000	10000						
Selenium	20	10						
Silver	20	10	anr					
Sodium	20000	10000	anr					
Strontium	20	10						
Thallium	20	10						
Tin	100	50						
Titanium	20	10						
Vanadium	100	50						
Zinc	40	20	anr					

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA32106
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13104 Units: ug/l

Time:	10:19	10:24	17:34	17:47						
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2						
Metal	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum	500000	500000	499000	99.8	498000	99.6	525000	105.0	515000	103.0
Antimony		1000	0.80		1040	104.0	0.50		1000	100.0
Arsenic		1000	-1.4		1100	110.0	-0.80		1060	106.0
Barium		500	-0.60		526	105.2	0.10		547	109.4
Beryllium		500	-0.40		514	102.8	-0.50		512	102.4
Cadmium		1000	-0.10		977	97.7	-0.80		957	95.7
Calcium	500000	500000	490000	98.0	480000	96.0	515000	103.0	507000	101.4
Chromium		500	-0.40		515	103.0	-0.30		519	103.8
Cobalt		500	-0.40		483	96.6	-0.50		482	96.4
Copper		500	-0.10		553	110.6	0.20		558	111.6
Iron	200000	200000	189000	94.5	188000	94.0	191000	95.5	189000	94.5
Lead		1000	0.20		970	97.0	-2.7		960	96.0
Magnesium	500000	500000	518000	103.6	506000	101.2	537000	107.4	525000	105.0
Manganese		500	-0.80		517	103.4	-0.90		510	102.0
Molybdenum		1000	-0.70		959	95.9	-1.1		956	95.6
Nickel		1000	0.0		974	97.4	0.20		947	94.7
Potassium			66.9		46.2		61.9		10.5	
Selenium		1000	0.90		1040	104.0	-1.3		1020	102.0
Silver		1000	-0.30		1050	105.0	-0.30		1060	106.0
Sodium			230		241		263		240	
Strontium		1000	-0.20		1030	103.0	-0.40		1030	103.0
Thallium		1000	-0.20		961	96.1	-2.1		945	94.5
Tin		1000	1.2		942	94.2	0.90		950	95.0
Titanium		1000	-1.7		1010	101.0	-1.3		994	99.4
Vanadium		500	-0.40		481	96.2	0.0		472	94.4
Zinc		1000	-2.7		976	97.6	-3.2		941	94.1

(*) Outside of QC limits
(anr) Analyte not requested

6.2.6
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA32106
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30097
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/11/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	14	14		
Antimony	6.0	1	1		
Arsenic	10	1.3	1.3		
Barium	200	1	1		
Beryllium	4.0	.2	.2		
Cadmium	5.0	.2	.2		
Calcium	1000	50	50		
Chromium	10	1	1		
Cobalt	50	.2	.2		
Copper	25	1	1		
Iron	300	17	17		
Lead	5.0	1	1.1	-0.20	<5.0
Magnesium	5000	35	35		
Manganese	15	.5	1		
Molybdenum	50	.3	.3		
Nickel	40	.4	.4		
Potassium	10000	200	200		
Selenium	10	2.4	2.9		
Silver	10	.7	.7		
Sodium	10000	500	500		
Strontium	10	.5	.5		
Thallium	10	1.1	1.4		
Tin	50	.9	1		
Titanium	10	.5	1		
Vanadium	50	.5	.6		
Zinc	20	3	4.4		

Associated samples MP30097: FA32106-13

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.3.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32106
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30097
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/11/16 03/11/16

Metal	FA32009-1 Original	DUP	RPD	QC Limits	FA32009-1 Original MS	Spikelot MPFLICP2 % Rec	QC Limits		
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	0.0	0.0	NC	0-20	0.0	524	500	104.8	80-120
Magnesium									
Manganese	anr								
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

Associated samples MP30097: FA32106-13

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.3.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32106
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30097
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/11/16

Metal	FA32009-1 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit		
Aluminum						
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	anr					
Iron	anr					
Lead	0.0	525	500	105.0	0.2	20
Magnesium						
Manganese	anr					
Molybdenum						
Nickel						
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP30097: FA32106-13

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.3.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA32106
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30097
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/11/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron	anr			
Lead	517	500	103.4	80-120
Magnesium				
Manganese	anr			
Molybdenum				
Nickel				
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP30097: FA32106-13

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.3.3
6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA32106
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30097
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/11/16

Metal	FA32009-1	Original	SDL 1:5	%DIF	QC Limits
Aluminum					
Antimony	anr				
Arsenic	anr				
Barium	anr				
Beryllium					
Cadmium	anr				
Calcium					
Chromium	anr				
Cobalt					
Copper	anr				
Iron	anr				
Lead	0.00	0.00	NC		0-10
Magnesium					
Manganese	anr				
Molybdenum					
Nickel					
Potassium					
Selenium	anr				
Silver	anr				
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc	anr				

Associated samples MP30097: FA32106-13

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.3.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA32106
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30097
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date:

03/11/16

Metal	Sample ml	Final ml	FA32009-1 Raw	PS Corr.** ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	9.8	10		49.7	0.2	2.5	50	99.4	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP30097: FA32106-13

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (**) Corr. sample result = Raw * (sample volume / final volume)
 (anr) Analyte not requested

6.3.5
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA32106
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30263
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 04/21/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.4	3.5		
Antimony	2.0	.1	.13		
Arsenic	1.0	.13	.2		
Barium	20	.1	.1		
Beryllium	0.50	.02	.05		
Cadmium	0.40	.02	.05		
Calcium	500	5	5		
Chromium	1.0	.1	.1		
Cobalt	5.0	.02	.05		
Copper	2.5	.1	.1		
Iron	30	1.7	1.7		
Lead	2.0	.1	.1	-0.022	<2.0
Magnesium	500	3.5	3.6		
Manganese	1.5	.05	.05		
Molybdenum	5.0	.03	.05		
Nickel	4.0	.04	.05		
Potassium	1000	20	20		
Selenium	2.0	.24	.24		
Silver	1.0	.07	.082		
Sodium	1000	50	50		
Strontium	1.0	.05	.05		
Thallium	1.0	.11	.11		
Tin	5.0	.09	.09		
Titanium	1.0	.05	.05		
Vanadium	5.0	.05	.05		
Zinc	2.0	.3	.3		

Associated samples MP30263: FA32106-1, FA32106-4, FA32106-7, FA32106-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.4.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32106
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30263
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/21/16 04/21/16

Metal	FA31998-1		RPD	QC Limits	FA31998-1		QC Limits
	Original	DUP			Original	DUP	
Aluminum							
Antimony							
Arsenic							
Barium							
Beryllium							
Cadmium							
Calcium							
Chromium							
Cobalt							
Copper							
Iron							
Lead	116	120	3.4	0-20	116	134	14.4 0-20
Magnesium							
Manganese							
Molybdenum							
Nickel							
Potassium							
Selenium							
Silver							
Sodium							
Strontium							
Thallium							
Tin							
Titanium							
Vanadium							
Zinc							

Associated samples MP30263: FA32106-1, FA32106-4, FA32106-7, FA32106-10

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.4.2
 6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA32106
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30263
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/21/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	10.1	10	101.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30263: FA32106-1, FA32106-4, FA32106-7, FA32106-10

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.3
6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA32106
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30263
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 04/21/16

Metal	FA31998-1	QC
	Original SDL 5:25 %DIF	Limits

Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	6180	6180	0.1	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30263: FA32106-1, FA32106-4, FA32106-7, FA32106-10

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA32106
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30263
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date:

04/21/16

Metal	Sample ml	Final ml	FA31998-1 Raw	PS Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead	9.8	10	6177	6053.46	6317	0.2	2.5	50	527.1*(a	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP30263: FA32106-1, FA32106-4, FA32106-7, FA32106-10

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(**) Corr. sample result = Raw * (sample volume / final volume)

(anr) Analyte not requested

(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

6.4.5
6

Instrument Detection Limits

Job Number: FA32106
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1	Effective Date: 01/27/15
-------------------------	--------------------------

Analyte	IDL ug/l
Aluminum	14
Antimony	1
Arsenic	1.3
Barium	1
Beryllium	.2
Cadmium	.2
Calcium	50
Chromium	1
Cobalt	.2
Copper	1
Iron	17
Lead	1
Magnesium	35
Manganese	.5
Molybdenum	.3
Nickel	.4
Potassium	200
Selenium	2.4
Silicon	5
Silver	.7
Sodium	500
Strontium	.5
Sulfur	5
Thallium	1.1
Tin	.9
Titanium	.5
Vanadium	.5
Zinc	3

The above applies to the following instrument runs:
MA13028,MA13104

6.5
6

Instrument Linear Ranges

Job Number: FA32106
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1

Effective Date: 08/13/13

Analyte	Linear Range ug/l
Aluminum	500000
Antimony	10000
Arsenic	10000
Barium	10000
Beryllium	10000
Cadmium	10000
Calcium	500000
Chromium	10000
Cobalt	10000
Copper	10000
Iron	500000
Lead	10000
Magnesium	500000
Manganese	10000
Molybdenum	10000
Nickel	10000
Potassium	80000
Selenium	10000
Silver	1000
Sodium	80000
Strontium	10000
Sulfur	10000
Thallium	10000
Tin	10000
Titanium	10000
Vanadium	10000
Zinc	10000

The above applies to the following instrument runs:
MA13028,MA13104

Metals Analysis

Raw Data

Sample Name: Blank Acquired: 3/11/2016 4:50:46 Type: Cal
Method: 60102007_042011(v917) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.003	.0003	-0.0006	.0022	.0010	.0058	-0.0012	-0.0007	-0.0002
Stddev	.0001	.0005	.0001	.0013	.0008	.0009	.0002	.0001	.0001
%RSD	24.49	167.9	13.58	58.87	79.31	15.80	12.82	8.928	77.12
#1	-.0002	-.0001	-.0006	.0023	.0001	.0055	-.0010	-.0008	-.0003
#2	-.0003	.0008	-.0006	.0036	.0015	.0050	-.0013	-.0007	-.0002
#3	-.0004	.0002	-.0005	.0009	.0014	.0068	-.0013	-.0006	-.0001

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0059	.0016	-0.0111	-0.0004	.0005	.0013	-0.0180	-0.0004	.0000
Stddev	.0001	.0008	.0033	.0003	.0001	.0002	.0040	.0002	.0004
%RSD	1.419	46.22	29.24	71.62	12.67	14.75	22.47	49.40	4341.
#1	.0060	.0025	-.0093	-.0008	.0005	.0014	-.0201	-.0006	.0003
#2	.0059	.0014	-.0149	-.0002	.0006	.0015	-.0133	-.0005	-.0005
#3	.0059	.0010	-.0092	-.0003	.0006	.0011	-.0205	-.0002	.0003

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0010	-0.0002	.0005	.0005	.0012	.0016	-0.0017	-0.0008	.0009
Stddev	.0000	.0002	.0001	.0001	.0008	.0001	.0001	.0002	.0001
%RSD	4.978	70.69	2.331	15.69	69.21	7.334	4.005	18.62	6.924
#1	.0010	-.0002	.0056	.0005	.0011	.0016	-.0017	-.0007	.0009
#2	.0010	-.0004	.0056	.0005	.0004	.0018	-.0017	-.0008	.0008
#3	.0009	-.0001	.0053	.0006	.0021	.0015	-.0016	-.0010	.0009

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2921.6	5592.1	4251.2	3751.6
Stddev	7.6	7.6	319.	23.1
%RSD	.26173	.13646	.75033	.61660
#1	2919.7	5599.5	42309.	3725.2
#2	2929.9	5592.4	42348.	3761.3
#3	2915.0	5584.3	42880.	3768.3

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Sample Name: LowStd Acquired: 3/11/2016 4:54:24 Type: Cal
Method: 60102007_042011(v917) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0356	2.442	.0872	4.129	5.967	2.827	2.450	1.319	.2843
Stddev	.0002	.009	.0004	.023	.017	.009	.006	.003	.0012
%RSD	.5455	.3820	.4235	.5473	.2761	.3002	.2465	.2393	.4325
#1	.0355	2.448	.0870	4.129	5.978	2.834	2.445	1.317	.2832
#2	.0355	2.431	.0869	4.106	5.948	2.818	2.448	1.319	.2842
#3	.0358	2.446	.0876	4.151	5.976	2.830	2.457	1.323	.2856

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4498	1.960	1.019	.3082	1.551	.5566	4.385	.7916	.4238
Stddev	.0008	.007	.001	.0004	.004	.0013	.001	.0034	.0006
%RSD	.1775	.3780	.0925	.1143	.2783	.2310	.0322	.4242	.1463
#1	.4507	1.957	1.019	.3079	1.547	.5557	4.385	.7888	.4237
#2	.4495	1.955	1.018	.3083	1.552	.5561	4.387	.7906	.4233
#3	.4492	1.969	1.020	.3086	1.555	.5581	4.384	.7953	.4245

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1219	.0630	.1954	.2075	7.916	1.042	.1487	.3611	1.234
Stddev	.0003	.0001	.0002	.0002	.024	.001	.0004	.0008	.002
%RSD	.2309	.2240	.1248	.1091	.3016	.1235	.2705	.2163	.1495
#1	.1217	.0628	.1952	.2074	7.916	1.041	.1489	.3603	1.233
#2	.1218	.0631	.1953	.2078	7.893	1.042	.1482	.3618	1.234
#3	.1222	.0631	.1957	.2074	7.941	1.044	.1489	.3613	1.236

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2700.0	5494.7	41388.	3709.4
Stddev	3.9	15.3	265.	3.7
%RSD	.14483	.27895	.64032	.09874
#1	2704.4	5503.9	41675.	3711.9
#2	2698.4	5503.3	41338.	3711.0
#3	2697.1	5477.0	41152.	3705.2

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Sample Name: MidStd Acquired: 3/11/2016 4:57:45 Type: Cal
Method: 60102007_042011(v917) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1375	9.046	.3594	16.83	23.90	10.34	9.661	5.218	1.109
Stddev	.0002	.053	.0009	.08	.09	.09	.020	.009	.003
%RSD	.1443	.5909	.2383	.4462	.3646	.8798	.2066	.1635	.2769
#1	.1376	9.058	.3585	16.85	23.89	10.39	9.639	5.208	1.106
#2	.1376	8.987	.3598	16.75	23.82	10.23	9.677	5.221	1.112
#3	.1373	9.092	.3601	16.89	24.00	10.39	9.668	5.224	1.108

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.785	6.987	3.878	1.125	6.007	2.280	16.56	3.101	1.722
Stddev	.002	.040	.030	.009	.011	.006	.05	.003	.007
%RSD	.1049	.5695	.7621	.8300	.1821	.2719	.3149	.1106	.4016
#1	1.783	6.996	3.894	1.132	5.996	2.274	16.55	3.097	1.716
#2	1.787	6.944	3.844	1.115	6.018	2.281	16.50	3.104	1.729
#3	1.785	7.022	3.897	1.129	6.008	2.286	16.61	3.101	1.722

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4970	.2586	.6473	.8334	32.22	4.198	.6040	1.458	4.803
Stddev	.0010	.0004	.0005	.0023	.07	.004	.0021	.003	.016
%RSD	.1952	.1441	.0843	.2757	.2234	.0970	.3416	.1963	.3393
#1	.4961	.2582	.6469	.8307	32.17	4.195	.6054	1.455	4.784
#2	.4968	.2586	.6471	.8350	32.18	4.202	.6049	1.457	4.816
#3	.4980	.2589	.6479	.8344	32.30	4.197	.6016	1.461	4.808

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2499.8	5343.2	40820.	3767.2
Stddev	1.9	4.1	99.	42.3
%RSD	.07638	.07758	.24211	1.1222
#1	2501.6	5345.1	40918.	3740.0
#2	2497.8	5346.0	40821.	3815.9
#3	2500.1	5338.4	40720.	3745.8

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Sample Name: HighStd Acquired: 3/11/2016 5:01:08 Type: Cal
Method: 60102007_042011(v917) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2797	18.10	.7299	34.01	47.45	20.54	19.08	10.32	2.175
Stddev	.0022	.11	.0018	.19	.25	.18	.02	.01	.005
%RSD	.7955	.6074	.2436	.5541	.5309	.8580	.1073	.0897	.2419
#1	.2806	17.98	.7279	33.83	47.16	20.36	19.06	10.32	2.172
#2	.2771	18.10	.7310	34.00	47.54	20.54	19.10	10.33	2.181
#3	.2813	18.20	.7309	34.20	47.64	20.72	19.08	10.32	2.171

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.569	14.11	7.856	2.242	11.57	4.469	33.33	6.137	3.515
Stddev	.006	.09	.054	.014	.02	.006	.13	.014	.005
%RSD	.1773	.6632	.6823	.6317	.2114	.1245	.3911	.2228	.1403
#1	3.571	14.02	7.798	2.227	11.59	4.463	33.19	6.125	3.517
#2	3.562	14.12	7.866	2.245	11.58	4.472	33.35	6.152	3.518
#3	3.575	14.21							

Sample Name: HSTD Acquired: 3/11/2016 5:05:16 Type: QC
 Method: 60102007_042011(v917) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5017	79.63	4.045	4.038	4.009	79.33	3.994	3.997	3.966
Stddev	.0023	.27	.007	.026	.012	.12	.004	.003	.017
%RSD	.4611	.3382	.1660	.6441	.2945	.1455	.0987	.0671	.4320

#1	.5024	79.84	4.050	4.067	4.012	79.42	3.993	3.994	3.956
#2	.5036	79.73	4.047	4.030	4.018	79.37	3.998	4.000	3.956
#3	.4992	79.32	4.037	4.017	3.995	79.20	3.990	3.997	3.985

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.002	79.60	79.90	79.16	3.939	3.999	80.23	3.995	4.053
Stddev	.004	.25	.28	.15	.007	.002	.34	.004	.001
%RSD	.1089	.3189	.3540	.1900	.1684	.0526	.4290	.1057	.0216

#1	4.000	79.78	80.17	79.12	3.932	3.997	80.38	3.992	4.053
#2	4.007	79.71	79.94	79.33	3.946	3.999	80.48	4.000	4.052
#3	3.999	79.31	79.61	79.04	3.938	4.001	79.84	3.993	4.052

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.047	4.034	3.971	3.969	4.018	3.988	4.017	3.998	3.991
Stddev	.007	.005	.008	.001	.019	.006	.008	.018	.005
%RSD	.1802	.1208	.2083	.0254	.4656	.1487	.1979	.4418	.1183

#1	4.040	4.032	3.962	3.969	4.034	3.993	4.017	3.984	3.996
#2	4.054	4.039	3.977	3.968	4.022	3.982	4.009	3.991	3.987
#3	4.048	4.030	3.975	3.969	3.998	3.990	4.025	4.018	3.989

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 3/11/2016 5:05:16 Type: QC
 Method: 60102007_042011(v917) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2302.8	5107.7	3975.8	3746.1
Stddev	3.7	4.4	25.	12.5
%RSD	.15904	.08592	.06167	.33385

#1	2299.6	5106.9	39771.	3749.6
#2	2306.8	5112.5	39729.	3732.2
#3	2302.0	5103.8	39773.	3756.4

7.1
7

Sample Name: ICV Acquired: 3/11/2016 5:09:09 Type: QC
 Method: 60102007_042011(v917) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2555	40.97	1.991	2.055	2.046	41.92	2.034	2.036	2.015
Stddev	.0007	.13	.003	.007	.007	.14	.005	.004	.005
%RSD	.2675	.3171	.1477	.3575	.3491	.3315	.2357	.1946	.2530

#1	.2547	41.00	1.992	2.058	2.051	42.00	2.035	2.038	2.017
#2	.2557	41.09	1.988	2.061	2.050	42.00	2.028	2.032	2.018
#3	.2560	40.83	1.994	2.047	2.038	41.76	2.038	2.039	2.009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.993	40.80	41.45	41.94	2.089	1.909	42.04	2.054	2.003
Stddev	.005	.11	.15	.04	.005	.002	.12	.005	.003
%RSD	.2709	.2720	.3685	.0949	.2475	.1111	.2747	.2303	.1405

#1	1.991	40.86	41.58	41.93	2.092	1.911	42.14	2.055	2.000
#2	1.998	40.87	41.49	41.91	2.093	1.907	42.07	2.049	2.005
#3	1.988	40.67	41.28	41.99	2.083	1.910	41.91	2.058	2.004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.015	2.032	.0938	2.029	1.925	1.954	2.078	1.890	2.046
Stddev	.004	.004	.0022	.003	.006	.005	.008	.005	.004
%RSD	.1751	.2181	2.350	.1668	.2932	.2550	.4046	.2628	.1958

#1	2.014	2.033	.0926	2.030	1.927	1.954	2.074	1.891	2.048
#2	2.012	2.027	.0925	2.026	1.929	1.960	2.087	1.894	2.042
#3	2.019	2.035	.0964	2.032	1.918	1.950	2.072	1.885	2.049

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 3/11/2016 5:09:09 Type: QC
 Method: 60102007_042011(v917) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2488.3	5290.2	4080.9	3787.2
Stddev	.2	13.1	198.	7.3
%RSD	.00660	.24793	.48555	.19305

#1	2488.5	5288.0	40635.	3782.7
#2	2488.2	5304.3	40767.	3795.6
#3	2488.1	5278.4	41024.	3783.3

Sample Name: ICB Acquired: 3/11/2016 5:14:48 Type: QC
 Method: 60102007_042011(v917) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0029	-0.003	.0002	.0001	.0012	.0001	.0000	.0001
Stddev	.0005	.0013	.0006	.0001	.0001	.0020	.0001	.0001	.0000
%RSD	275.6	45.25	198.9	43.10	78.57	164.6	68.24	251.5	31.28
#1	.0007	.0038	.0002	.0001	.0000	-.0007	.0001	.0001	.0001
#2	.0001	.0036	-.0002	.0002	.0002	.0033	.0001	.0000	.0001
#3	-.0002	.0014	-.0009	.0003	.0001	.0011	.0000	.0000	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0077	.0119	.0180	.0001	F-.0015	.0172	.0003	.0006
Stddev	.0002	.0011	.0252	.0111	.0000	.0003	.0045	.0001	.0007
%RSD	85.15	14.17	212.7	62.05	24.20	18.41	26.20	26.36	114.8
#1	.0004	.0089	-.0153	.0150	.0001	.0018	.0184	.0003	.0000
#2	.0000	.0073	.0164	.0303	.0001	.0015	.0210	.0004	.0013
#3	.0004	.0068	.0345	.0086	.0001	.0012	.0122	.0002	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0008	.0008	.0009	.0002	.0002	.0009	.0009	.0001	-.0002
Stddev	.0007	.0006	.0003	.0001	.0002	.0001	.0008	.0001	.0000
%RSD	94.45	81.76	37.11	54.40	100.6	7.856	95.71	48.22	29.02
#1	-.0002	.0012	.0008	.0001	.0000	.0010	.0002	.0001	-.0002
#2	-.0016	.0010	.0013	.0002	.0002	.0009	.0018	.0002	-.0001
#3	-.0005	.0001	.0007	.0003	.0003	.0008	.0006	.0002	-.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 3/11/2016 5:14:48 Type: QC
 Method: 60102007_042011(v917) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2944.5	5597.8	43435.	3883.7
Stddev	6.3	19.1	104.	25.9
%RSD	.21492	.34074	.23917	.66812
#1	2943.3	5612.6	43397.	3913.3
#2	2951.3	5604.6	43552.	3872.9
#3	2938.8	5576.3	43355.	3865.0

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CRIA Acquired: 3/11/2016 5:18:46 Type: QC
 Method: 60102007_042011(v917) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0095	.2195	.0097	.1994	.0052	1.028	.0054	.0535	.0105
Stddev	.0003	.0036	.0004	.0010	.0001	.005	.0000	.0001	.0003
%RSD	3.018	1.622	4.459	4.854	2.141	.5342	.6001	2.156	2.697
#1	.0098	.2235	.0099	.2004	.0053	1.029	.0053	.0536	.0102
#2	.0094	.2184	.0092	.1993	.0051	1.023	.0054	.0535	.0106
#3	.0093	.2167	.0099	.1984	.0053	1.034	.0054	.0534	.0107

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0265	.3039	9.915	5.124	.0164	.0495	10.20	.0436	.0052
Stddev	.0001	.0028	.040	.021	.0001	.0002	.04	.0000	.0005
%RSD	.3994	.9113	.4075	.4153	.6211	.4343	.3939	.0711	10.14
#1	.0265	.3062	9.962	5.105	.0163	.0497	10.16	.0436	.0051
#2	.0264	.3046	9.893	5.121	.0165	.0494	10.24	.0436	.0058
#3	.0266	.3008	9.890	5.147	.0163	.0494	10.19	.0437	.0047

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F-.0039	F-.0121	.0490	.0524	.0100	.0105	.0109	.0492	.0222
Stddev	.0010	.0012	.0004	.0002	.0001	.0000	.0004	.0004	.0002
%RSD	24.83	10.32	.8752	.3767	.6945	.4063	3.279	.7932	.9043
#1	.0028	.0109	.0490	.0525	.0101	.0105	.0108	.0488	.0221
#2	.0045	.0134	.0494	.0525	.0100	.0104	.0114	.0496	.0225
#3	.0044	.0119	.0485	.0521	.0099	.0105	.0107	.0493	.0221

Check ? Chk Fail Chk Fail None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range
 Range -20.00% 20.00%

Sample Name: CRIA Acquired: 3/11/2016 5:18:46 Type: QC
 Method: 60102007_042011(v917) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2757.6	5416.8	41670.	3816.6
Stddev	8.2	9.8	221.	25.6
%RSD	.29647	.18000	.53118	.67049
#1	2758.5	5423.6	41810.	3793.5
#2	2765.3	5421.3	41415.	3844.1
#3	2749.0	5405.7	41786.	3812.1

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSEA Acquired: 3/11/2016 5:27:50 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	475.3	.0011	.0008	.0002	468.4	.0000	.0004	.0008
Stddev	.0003	6.8	.0005	.0005	.0000	3.1	.0001	.0001	.0003
%RSD	125.6	1.437	44.54	61.13	16.96	.6667	717.8	33.76	39.57
#1	.0005	468.6	.0013	.0013	.0002	464.9	-.0001	.0003	.0012
#2	.0004	482.3	.0013	.0004	.0002	471.0	.0000	.0004	.0005
#3	-.0001	475.1	.0005	.0007	.0002	469.3	.0001	.0005	.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	178.5	.5509	505.3	.0005	.0002	.7561	.0001	.0003
Stddev	.0001	.3	.0253	1.4	.0000	.0002	.0058	.0002	.0022
%RSD	64.07	.1876	4.600	.2784	7.227	93.20	.7632	170.4	679.1
#1	.0003	178.6	.5796	504.5	.0005	.0001	.7504	.0001	.0027
#2	.0001	178.8	.5319	506.9	.0005	.0001	.7620	-.0001	-.0017
#3	.0002	178.1	.5410	504.5	.0006	.0004	.7560	.0003	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0012	.0000	.0217	F .0031	.0006	.0002	-.0011	.0000	.0001
Stddev	.0001	.004	.0005	.0007	.0001	.0001	.0008	.0001	.0002
%RSD	7.225	9355.0	2.209	21.66	23.11	42.71	76.12	187.4	282.0
#1	-.0012	-.0040	.0223	.0038	.0007	.0003	-.0008	.0000	.0001
#2	-.0012	.0005	.0213	.0028	.0008	.0002	-.0020	.0001	-.0002
#3	-.0013	.0035	.0216	.0026	.0005	.0001	-.0004	.0000	.0003

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSEA Acquired: 3/11/2016 5:27:50 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2209.4	4876.3	36095.	3481.4
Stddev	6.9	13.8	220.	16.9
%RSD	.31136	.28393	.60981	.48600
#1	2211.0	4884.8	36323.	3493.0
#2	2201.9	4883.9	35884.	3462.0
#3	2215.4	4860.4	36078.	3489.1

7.1
7

Sample Name: ICSAB Acquired: 3/11/2016 5:32:49 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.073	511.2	1.120	.5127	.5261	490.3	1.006	.4904	.5306
Stddev	.004	1.8	.003	.0023	.0017	4.0	.001	.0004	.0019
%RSD	.3583	.3611	.2242	.4452	.3253	.8124	.0845	.0730	.3657
#1	1.075	509.6	1.120	.5153	.5276	492.0	1.005	.4901	.5327
#2	1.068	513.2	1.123	.5116	.5242	493.2	1.007	.4904	.5289
#3	1.075	510.8	1.118	.5112	.5265	485.8	1.006	.4908	.5302

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5422	192.2	.0163	535.2	.5307	.9571	.2264	.9981	.9949
Stddev	.0001	.2	.0546	1.0	.0028	.0011	.0007	.0003	.0015
%RSD	.0258	.1202	335.5	.1845	.5262	.1195	.3039	.0312	.1487
#1	.5422	192.5	-.0248	535.6	.5336	.9582	.2257	.9983	.9957
#2	.5421	192.1	-.0046	535.9	.5281	.9573	.2271	.9983	.9958
#3	.5424	192.0	.0783	534.0	.5305	.9559	.2263	.9978	.9932

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.039	1.057	.2979	.9544	1.029	1.035	.9788	.4880	1.006
Stddev	.002	.003	.0006	.0015	.002	.001	.0010	.0008	.001
%RSD	.2257	.3026	.1988	.1528	.2001	.1392	.1048	.1585	.1001
#1	1.037	1.054	.2982	.9556	1.032	1.037	.9796	.4889	1.005
#2	1.041	1.060	.2972	.9549	1.028	1.034	.9776	.4875	1.007
#3	1.041	1.058	.2983	.9528	1.028	1.035	.9790	.4877	1.006

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 3/11/2016 5:32:49 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2153.6	4815.7	35780.	3428.9
Stddev	2.3	3.9	45.	10.2
%RSD	.10672	.08101	.12676	.29715
#1	2151.7	4814.2	35735.	3421.1
#2	2156.2	4820.2	35825.	3425.1
#3	2152.9	4812.8	35779.	3440.4

Sample Name: CCV Acquired: 3/11/2016 5:38:03 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2521	39.92	2.065	2.000	2.031	40.03	2.091	2.069	2.077
Stddev	.0006	.06	.009	.003	.008	.10	.004	.002	.003
%RSD	.2358	.1382	.4602	.1501	.4084	.2488	.1843	.1051	.1417

#1	.2523	39.94	2.056	2.003	2.021	40.07	2.087	2.068	2.074
#2	.2514	39.96	2.064	1.998	2.037	39.92	2.091	2.068	2.080
#3	.2526	39.85	2.075	1.998	2.034	40.11	2.095	2.072	2.077

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.015	39.75	39.66	39.96	2.112	2.082	40.32	2.101	2.051
Stddev	.008	.08	.02	.04	.007	.003	.15	.004	.005
%RSD	.3888	.2004	.0531	.0952	.3119	.1401	.3692	.2065	.2548

#1	2.024	39.68	39.68	39.99	2.106	2.079	40.20	2.096	2.045
#2	2.011	39.83	39.66	39.91	2.119	2.083	40.48	2.102	2.055
#3	2.010	39.73	39.63	39.96	2.112	2.085	40.26	2.105	2.053

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.063	2.055	2.005	2.099	2.054	2.104	2.068	2.096	2.065
Stddev	.001	.000	.002	.003	.008	.003	.003	.006	.003
%RSD	.0504	.0036	.0897	.1377	.3953	.1509	.1561	.2846	.1612

#1	2.062	2.055	2.005	2.097	2.056	2.101	2.065	2.090	2.061
#2	2.064	2.055	2.004	2.098	2.061	2.107	2.067	2.101	2.066
#3	2.064	2.055	2.007	2.102	2.045	2.103	2.071	2.098	2.068

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/11/2016 5:38:03 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2452.5	5202.2	39996.	3718.9
Stddev	2.1	7.7	82.	8.5
%RSD	.08709	.14885	.20454	.22987

#1	2455.0	5208.9	40077.	3714.5
#2	2451.4	5203.8	39914.	3713.4
#3	2451.1	5193.7	39997.	3728.7

Sample Name: CCB Acquired: 3/11/2016 5:43:09 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0107	.0006	.0001	.0000	.0084	.0000	.0000	.0001
Stddev	.0003	.0056	.0012	.0002	.000	.0027	.0000	.0000	.0001
%RSD	52.78	52.09	184.6	367.2	456.7	32.48	423.5	73.67	44.11

#1	.0006	.0130	-.0007	.0002	.0000	.0114	.0000	.0001	.0002
#2	.0007	.0147	.0011	-.0002	.0000	.0062	.0000	.0000	.0002
#3	.0002	.0043	.0015	.0002	.0000	.0075	.0000	.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0099	-.0418	.0114	.0000	.0005	.0183	.0000	.0005
Stddev	.0001	.0019	.0490	.0164	.0000	.0001	.0017	.000	.0001
%RSD	61.16	19.61	117.1	143.8	61.43	24.76	9.380	25430.	19.10

#1	.0004	.0119	-.0021	.0163	.0000	.0005	.0164	.0001	.0006
#2	.0002	.0098	-.0268	-.0069	.0000	.0006	.0197	-.0002	.0004
#3	.0001	.0080	-.0966	.0249	.0000	.0003	.0187	.0001	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0015	.0000	.0010	-.0002	.0000	.0003	.0002	.0001	-.0003
Stddev	.0011	.001	.0002	.0003	.0001	.0001	.0009	.0001	.0000
%RSD	73.44	1810.	25.43	158.3	140.6	57.56	391.2	163.4	18.41

#1	-.0005	.0008	.0010	-.0003	.0000	.0004	.0011	.0000	-.0003
#2	-.0014	-.0004	.0012	.0002	.0000	.0003	.0003	.0000	-.0002
#3	-.0027	-.0005	.0007	-.0005	.0001	.0001	-.0007	.0002	-.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/11/2016 5:43:09 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2956.4	5601.5	43300.	3891.2
Stddev	8.6	2.6	98.	26.4
%RSD	.29147	.04572	.22743	.67753

#1	2947.4	5602.5	43412.	3918.9
#2	2957.1	5598.6	43262.	3866.4
#3	2964.6	5603.5	43227.	3888.3

Sample Name: MP30093-MB1 Acquired: 3/11/2016 5:47:07 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0167	.0000	.0001	-0.0011	.0259	.0000	-0.0011	.0004
Stddev	.0001	.0042	.001	.0002	.0000	.0016	.000	.0001	.0001
%RSD	35.09	25.32	1229.	156.1	17.76	6.358	69.27	107.7	28.12
#1	.0002	.0208	-.0007	.0000	-.0001	.0269	.0000	-.0002	.0003
#2	.0002	.0123	.0004	.0004	-.0001	.0268	.0000	.0000	.0005
#3	.0003	.0170	.0002	.0000	-.0001	.0240	.0000	-.0001	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0087	-.0044	-.0122	.0026	-.0002	.0513	.0004	.0000
Stddev	.0002	.0013	.0357	.0145	.0000	.0001	.0063	.0002	.001
%RSD	45.43	14.45	811.8	119.1	1.488	52.00	12.24	55.64	10080.
#1	.0004	.0074	-.0264	-.0126	.0026	-.0001	.0585	.0001	.0007
#2	.0008	.0099	-.0236	-.0265	.0026	-.0002	.0476	.0005	-.0006
#3	.0003	.0089	.0368	.0025	.0026	-.0003	.0476	.0005	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0014	.0012	.0082	.0218	.0000	.0001	-.0004	.0001	.0014
Stddev	.0001	.0005	.0000	.0002	.0001	.0000	.0005	.0001	.0001
%RSD	7.802	43.66	.1699	.7454	1322.	20.31	117.5	69.93	3.620
#1	-.0013	.0013	.0082	.0219	-.0001	.0001	-.0003	.0001	.0014
#2	-.0015	.0016	.0081	.0218	.0000	.0001	.0000	.0001	.0014
#3	-.0015	.0006	.0082	.0216	.0001	.0001	-.0009	.0003	.0015

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30093-MB1 Acquired: 3/11/2016 5:47:07 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2917.5	5512.5	43426.	3873.5
Stddev	8.4	9.0	155.	27.3
%RSD	.28948	.16367	.35738	.70571
#1	2925.5	5514.6	43574.	3869.2
#2	2918.3	5520.3	43265.	3848.5
#3	2908.7	5502.6	43440.	3902.7

Sample Name: MP30093-B1 Acquired: 3/11/2016 5:51:35 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0492	29.04	2.115	2.115	.0546	26.96	.0549	.5373	2182
Stddev	.0010	.13	.002	.009	.0005	.09	.0002	.0010	.0003
%RSD	2.036	4554	.1095	.4025	.8834	.3384	.3415	.1901	.1382
#1	.0498	28.95	2.117	2.107	.0541	26.87	.0549	.5378	2185
#2	.0497	29.19	2.113	2.124	.0547	27.05	.0548	.5361	2183
#3	.0480	28.98	2.114	2.114	.0550	26.96	.0551	.5380	2179

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2702	27.99	26.46	26.99	.5638	.5435	27.28	.5538	.5221
Stddev	.0006	.13	.05	.11	.0007	.0017	.10	.0012	.0017
%RSD	.2188	.4534	.1872	.3948	.1222	.3146	.3771	.2142	.3305
#1	.2709	27.88	26.41	26.90	.5630	.5445	27.17	.5537	.5234
#2	.2702	28.13	26.49	27.11	.5641	.5415	27.37	.5527	.5201
#3	.2697	27.97	26.49	26.96	.5642	.5444	27.29	.5551	.5227

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5308	2.118	.0251	.5793	.5430	.5634	2.114	.5124	.5444
Stddev	.0005	.005	.0001	.0004	.0022	.0005	.004	.0010	.0014
%RSD	.0860	.2282	.3960	.0692	.4112	.0881	.2132	.1984	.2580
#1	.5308	2.122	.0252	.5797	.5408	.5636	2.114	.5116	.5451
#2	.5303	2.113	.0251	.5791	.5453	.5638	2.109	.5120	.5427
#3	.5312	2.120	.0250	.5790	.5428	.5629	2.118	.5136	.5452

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30093-B1 Acquired: 3/11/2016 5:51:35 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2585.5	5337.6	41061.	3764.8
Stddev	4.2	9.3	64.	23.6
%RSD	.16298	.17350	.15581	.62721
#1	2580.8	5332.1	40988.	3775.5
#2	2586.7	5332.4	41110.	3737.8
#3	2589.0	5348.2	41084.	3781.3

Sample Name: FA32070-3 Acquired: 3/11/2016 5:55:48 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.036	330.2	1.270	4.667	0.122	165.9	0.032	1.928	7.577
Stddev	.0001	.7	.0040	.014	.0001	.8	.0003	.0004	.0002
%RSD	3.927	.2238	3.160	.2936	1.120	.4984	.9133	.1914	.0314
#1	.0035	330.1	.1289	4.655	.0121	166.4	.0335	.1929	.7579
#2	.0037	329.5	.1224	4.666	.0121	165.0	.0331	.1932	.7577
#3	.0035	330.9	.1297	4.682	.0123	166.5	.0329	.1924	.7574
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.078	486.9	103.6	129.0	10.26	0.039	8.531	5.550	5.891
Stddev	.002	2.0	.4	.9	.02	.0002	.020	.0006	.008
%RSD	.1799	.4099	.3491	.6892	.1663	.6271	.2292	.1155	.1409
#1	1.079	487.0	103.9	129.5	10.28	.0341	8.510	5.557	5.883
#2	1.075	484.8	103.2	128.0	10.24	.0340	8.535	5.549	5.893
#3	1.079	488.8	103.8	129.6	10.26	.0337	8.549	5.545	5.899
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.181	-0.036	3.855	2.471	1.663	15.30	-0.007	9.178	6.482
Stddev	.0004	.0011	.006	.0010	.004	.03	.0003	.0006	.012
%RSD	2.210	29.78	.1511	.3946	.2674	.2177	.4725	.0669	.1897
#1	.186	-.0038	3.860	2.464	1.659	15.34	-.0003	9.178	6.469
#2	.178	-.0024	3.855	2.468	1.662	15.28	-.0008	9.172	6.484
#3	.180	-.0044	3.849	2.482	1.668	15.29	-.0008	9.184	6.493
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2464.6	6600.6	5032.1	4715.7					
Stddev	.8	5.1	140.	40.1					
%RSD	.03071	.07786	.27821	.84967					
#1	2464.8	6597.0	50172.	4687.4					
#2	2465.3	6598.3	50450.	4761.6					
#3	2463.8	6606.5	50341.	4698.3					

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Sample Name: MP30093-D1 Acquired: 3/11/2016 6:00:19 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.036	332.9	1.288	4.620	0.123	164.0	0.031	1.985	8.670
Stddev	.0004	.4	.0027	.008	.0001	.4	.0004	.0006	.0067
%RSD	12.30	.1329	2.097	.1655	1.028	.2592	1.173	.3210	.7682
#1	.0041	332.9	.1259	4.629	.0123	164.3	.0341	1.980	8.746
#2	.0033	332.4	.1290	4.618	.0121	163.6	.0346	1.992	8.642
#3	.0033	333.2	.1313	4.615	.0124	164.3	.0338	1.984	8.622
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.077	480.8	105.7	131.3	F 9.501	0.0315	8.570	5.634	5.946
Stddev	.003	1.6	.3	.4	.100	.0002	.038	.0013	.003
%RSD	.2877	.3251	.2387	.3210	1.051	.7407	.4439	.2281	.0571
#1	1.074	480.6	105.9	131.0	9.604	.0316	8.586	5.623	5.950
#2	1.080	479.3	105.4	131.1	9.404	.0317	8.526	5.648	5.945
#3	1.077	482.4	105.6	131.8	9.496	.0313	8.597	5.631	5.943
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.176	-0.019	3.888	2.300	1.642	F 15.10	-0.012	9.221	6.644
Stddev	.0010	.0013	.013	.0010	.006	.14	.0043	.0057	.009
%RSD	5.772	68.55	.3241	.4355	.3601	.9089	366.1	6235	.1324
#1	.188	-.0013	3.878	2.290	1.640	15.26	.0038	9.287	6.649
#2	.170	-.0011	3.902	2.310	1.637	15.06	-.0038	9.192	6.634
#3	.171	-.0035	3.884	2.300	1.648	14.99	-.0035	9.184	6.650
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2426.2	6514.0	4949.1	4624.5					
Stddev	2.6	8.8	197.	22.5					
%RSD	.10718	.13476	.39838	.48725					
#1	2426.3	6513.6	49264.	4636.2					
#2	2428.8	6505.4	49611.	4638.7					
#3	2423.6	6523.0	49598.	4598.5					

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7.1
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Sample Name: MP30093-SD1 Acquired: 3/11/2016 6:04:51 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.101	407.3	1.654	5.682	0.140	209.3	0.0417	2.565	9.725
Stddev	.0013	3.1	.0023	.067	.0008	1.8	.0006	.0008	.0169
%RSD	12.53	.7657	1.367	1.172	5.916	.8510	1.427	.2992	1.742
#1	.1018	403.7	1.643	5.608	.0131	207.4	.0423	2.559	9.904
#2	.0087	408.8	1.680	5.737	.0143	210.9	.0418	2.562	9.705
#3	.0109	409.4	1.640	5.702	.0146	209.6	.0411	2.573	9.567
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.336	634.1	125.9	160.7	13.78	0.0371	10.46	7.298	6.328
Stddev	.017	5.2	1.4	1.3	.15	.0007	.10	.0026	.028
%RSD	1.233	.8215	1.142	.8307	1.055	2.016	.9161	.3498	.4464
#1	1.340	628.1	124.2	159.1	13.89	.0379	10.37	7.324	6.358
#2	1.350	637.3	126.9	161.3	13.84	.0370	10.56	7.298	6.321
#3	1.318	636.9	126.6	161.6	13.62	.0364	10.44	7.273	6.303
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.130	-0.0152	6.483	3.278	2.077	20.22	-0.001	1.178	8.622
Stddev	.0078	.0108	.015	.0024	.022	.19	.0147	.013	.033
%RSD	60.23	71.31	.2253	.7365	1.046	.9523	12060.	1.075	.3831
#1	.0152	-.0027	6.495	3.303	2.052	20.34	-.0122	1.189	8.651
#2	.0195	-.0210	6.467	3.255	2.090	20.33	.0162	1.181	8.586
#3	.0043	-.0219	6.487	3.275	2.090	20.00	-.0043	1.164	8.628
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2683.2	5727.5	4373.3	4001.3					
Stddev	4.3	7.3	309.	17.7					
%RSD	.15961	.12785	.70692	.44276					
#1	2681.2	5719.1	43514.	4021.6					
#2	2680.3	5730.6	43599.	3993.2					
#3	2688.1	5732.7	44087.	3989.0					

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Sample Name: MP30093-PS1 Acquired: 3/11/2016 6:09:08 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.049	313.2	2.065	4.623	0.0545	161.0	0.028	2.225	7.560
Stddev	.0011	2.1	.0022	.032	.0005	1.3	.0002	.0003	.0026
%RSD	2.475	.6557	1.085	.6923	.8871	8.287	.2241	1.280	.3459
#1	.0458	315.5	2.071	4.660	.0551	162.4	.0277	2.222	7.580
#2	.0453	312.0	2.084	4.607	.0542	160.9	.0299	2.228	7.530
#3	.0437	312.0	2.040	4.603	.0543	159.7	.0270	2.224	7.569
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.102	462.1	106.2	125.5	F 9.784	0.0315	8.574	5.706	5.706
Stddev	.003	2.8	.6	.8	.015	.0007	.038	.0015	.013
%RSD	.2682	.6162	.5765	.6466	.				

Sample Name: MP30093-S1 Acquired: 3/11/2016 6:13:38 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0432	333.9	1.686	5.816	.0533	164.8	.0696	5.639	.8406
Stddev	.0006	1.4	.004	.036	.0003	.7	.0002	.0013	.0033
%RSD	1.440	.4256	.2495	.6131	.5576	.4025	.2171	.2386	.3896
#1	.0426	332.3	1.685	5.775	.0535	164.0	.0695	5.624	.8400
#2	.0434	335.0	1.691	5.835	.0534	165.2	.0697	5.648	.8403
#3	.0438	334.5	1.682	5.839	.0529	165.1	.0697	5.646	.8375
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.186	451.7	114.8	137.3	F 8.818	3.807	29.40	8.948	5.628
Stddev	.001	1.4	.5	.4	.052	.0002	.11	.0030	.007
%RSD	.1053	.3162	.4169	.2688	.5958	.0582	.3640	.3341	.1302
#1	1.185	450.1	114.3	137.1	8.825	.3804	29.28	8.915	5.620
#2	1.186	452.9	114.9	137.7	8.763	.3809	29.47	8.971	5.628
#3	1.187	452.2	115.2	137.0	8.867	.3807	29.46	8.960	5.635
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1163	1.581	3.919	6.362	1.873	F 14.86	1.887	1.218	6.243
Stddev	.0014	.005	.002	.0015	.009	.07	.010	.003	.004
%RSD	1.242	.3041	.0450	.2371	.5038	4.671	.5396	.2142	.0733
#1	.1155	1.586	3.917	6.347	1.862	14.94	1.876	1.221	6.119
#2	.1155	1.582	3.921	6.377	1.877	14.83	1.895	1.218	6.123
#3	.1180	1.576	3.919	6.363	1.880	14.80	1.891	1.216	6.128
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2449.0	6415.2	48755.5	45224.4					
Stddev	2.6	6.7	337.6	6.1					
%RSD	.10475	.10407	.69072	.13482					
#1	2451.3	6421.8	48419.9	45255.5					
#2	2446.2	6408.5	49093.3	45154.4					
#3	2449.5	6415.2	48753.3	45264.4					

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Sample Name: MP30093-S2 Acquired: 3/11/2016 6:18:06 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0431	363.8	1.731	6.459	.0547	186.4	.0757	5.924	.8875
Stddev	.0004	1.8	.003	.034	.0004	.2	.0002	.0002	.0041
%RSD	1.042	.5028	.1425	.5315	.8052	.1326	.2087	.0339	.4615
#1	.0428	365.5	1.733	6.488	.0551	186.4	.0758	5.922	.8885
#2	.0429	361.9	1.728	6.421	.0542	186.1	.0758	5.925	.8910
#3	.0436	364.2	1.730	6.467	.0547	186.6	.0755	5.924	.8830
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.299	501.6	127.9	151.7	F 9.887	3.830	30.68	9.525	6.541
Stddev	.006	1.5	.4	.4	.038	.0005	.22	.0010	.015
%RSD	.4999	.3032	.3082	.2660	.3883	.1235	.7272	.1066	.2330
#1	1.298	502.6	128.1	151.6	9.904	.3825	30.88	9.537	6.548
#2	1.294	499.9	127.4	151.4	9.914	.3835	30.44	9.520	6.552
#3	1.306	502.4	128.1	152.2	9.843	.3831	30.73	9.519	6.524
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1206	1.611	3.818	7.208	2.059	F 15.47	1.965	1.308	6.937
Stddev	.0027	.003	.001	.0007	.016	.10	.008	.003	.005
%RSD	2.236	.1696	.0144	.0978	.7665	6.747	.4202	.2483	.0699
#1	.1211	1.614	3.817	7.200	2.076	15.58	1.972	1.308	6.940
#2	.1176	1.608	3.818	7.213	2.044	15.44	1.968	1.311	6.940
#3	.1229	1.610	3.817	7.210	2.056	15.38	1.956	1.304	6.932
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2399.3	6498.3	49650.0	46516.6					
Stddev	4.3	2.4	118.8	9.1					
%RSD	.17724	.03725	.23839	.19487					
#1	2398.0	6498.9	49534.4	4659.6					
#2	2395.8	6500.4	49645.5	4641.8					
#3	2404.0	6495.7	49771.1	4653.3					

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Sample Name: FA32070-4 Acquired: 3/11/2016 6:22:35 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0015	300.4	2.239	3.992	.0114	112.8	.0321	1.820	5.848
Stddev	.0002	.7	.0017	.016	.0001	.1	.0002	.0001	.0028
%RSD	13.64	.2438	.7491	4.107	.8168	.0508	.4727	.0750	.4773
#1	.0017	300.1	2.243	3.980	.0115	112.8	.0323	1.822	5.816
#2	.0016	299.9	2.221	3.984	.0113	112.7	.0321	1.820	5.870
#3	.0013	301.2	2.254	4.010	.0115	112.7	.0320	1.819	5.857
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.228	461.1	99.00	119.5	F 8.070	0.269	6.795	4.942	4.868
Stddev	.007	.7	.21	.1	.033	.0006	.037	.0010	.013
%RSD	.5397	.1515	.2145	.0799	.4110	2.286	.5456	.2111	.2747
#1	1.236	461.2	98.83	119.4	8.034	.0265	6.783	4.934	4.866
#2	1.223	460.4	98.93	119.6	8.099	.0267	6.766	4.954	4.855
#3	1.226	461.7	99.24	119.6	8.078	.0276	6.837	4.938	4.882
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0135	.0081	3.598	1.406	1.077	F 14.56	.0003	8.572	5.156
Stddev	.0039	.0066	.004	.0005	.005	.10	.0019	.0026	.010
%RSD	29.28	81.72	.1014	.3211	.4294	.7073	663.2	2.997	.1917
#1	.0162	.0103	3.601	1.401	1.074	14.44	.0019	8.543	5.155
#2	.0089	.0007	3.598	1.407	1.074	14.62	.0016	8.592	5.147
#3	.0152	.0134	3.594	1.410	1.082	14.61	.0011	8.580	5.167
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2466.7	6509.0	49511.1	4563.3					
Stddev	7.9	2.6	232.9	9.9					
%RSD	.31903	.04031	.46940	.21775					
#1	2461.2	6506.0	49768.8	4555.0					
#2	2475.7	6510.1	49316.6	4574.3					
#3	2463.1	6510.8	49447.7	4560.6					

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Sample Name: FA32070-5 Acquired: 3/11/2016 6:27:06 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0029	271.5	.0950	2.969	.0101	112.6	.0205	1.610	5.509
Stddev	.0004	1.3	.0013	.016	.0002	.5	.0000	.0007	.0008
%RSD	11.90	.4913	1.387	.5497	1.567	.4692	.1701	.4119	.1500
#1	.0033	270.0	.0939	2.950	.0100	112.2	.0205	1.611	5.518
#2	.0026	272.7	.0964	2.976	.0100	113.2	.0204	1.603	5.508
#3	.0030	271.7	.0946	2.980	.0103	112.3	.0205	1.617	5.502
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6285	398.1	88.16	107.7	7.748	0.239	5.464	4.243	2.694
Stddev	.0026	1.0	.35	.6	.026	.0003	.019	.0009	.004
%RSD	.4132	.2438	.3945	.5286	.3381	1.283	.3450	.2227	.1378
#1	.6281	397.2	87.82	107.5	7.773	.0240	5.443	4.239	2.698
#2	.6313	399.1	88.52	108.3	7.721	.0236	5.478	4.237	2.692
#3	.6262	397.9	88.15	107.2	7.751	.0242	5.472	4.254	2.691
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS									

Sample Name: CCV Acquired: 3/11/2016 6:31:39 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2554	40.54	2.102	2.027	2.053	40.43	2.130	2.101	2.099
Stddev	.0017	.08	.005	.008	.007	.26	.006	.005	.003
%RSD	.6621	.1963	.2269	.3842	.3408	.6387	.2952	.2202	.1597
#1	.2565	40.45	2.101	2.021	2.051	40.13	2.124	2.098	2.097
#2	.2561	40.61	2.098	2.036	2.060	40.54	2.130	2.100	2.103
#3	.2534	40.55	2.107	2.024	2.047	40.61	2.137	2.107	2.097

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.049	40.15	40.49	40.43	2.142	2.114	41.29	2.138	2.088
Stddev	.006	.07	.18	.18	.003	.004	.14	.008	.006
%RSD	.2800	.1811	.4394	.4335	.1457	.2038	.3390	.3766	.3135
#1	2.047	40.10	40.30	40.28	2.138	2.111	41.33	2.132	2.083
#2	2.056	40.23	40.65	40.39	2.142	2.112	41.40	2.134	2.085
#3	2.045	40.11	40.54	40.62	2.144	2.119	41.13	2.147	2.095

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.095	2.088	2.036	2.126	2.098	2.140	2.108	2.130	2.094
Stddev	.006	.003	.006	.005	.010	.002	.006	.002	.006
%RSD	.2917	.1224	.2794	.2261	.4910	.1002	.3104	.0896	.2864
#1	2.096	2.085	2.037	2.121	2.098	2.138	2.114	2.128	2.087
#2	2.089	2.089	2.029	2.127	2.109	2.141	2.101	2.129	2.099
#3	2.101	2.090	2.041	2.131	2.088	2.142	2.110	2.132	2.095

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/11/2016 6:31:39 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2427.1	5148.8	39792.	3607.0
Stddev	2.9	5.0	151.	19.8
%RSD	.11858	.09632	.38036	.54881
#1	2425.4	5149.3	39957.	3619.1
#2	2430.4	5153.5	39761.	3617.7
#3	2425.4	5143.6	39659.	3584.1

Sample Name: CCB Acquired: 3/11/2016 6:35:51 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.0107	-0.0003	.0000	.0001	.0035	.0000	.0000	-0.0001
Stddev	.0004	.0054	.0003	.0000	.0001	.0027	.0000	.0002	.0001
%RSD	64.21	50.67	112.1	126.6	87.10	75.86	49.72	869.1	49.30
#1	.0003	.0109	-0.0006	.0001	.0002	.0058	.0000	.0001	-0.0001
#2	.0005	.0160	.0000	.0000	.0001	.0006	.0001	-.0002	-0.0001
#3	.0011	.0052	-0.0003	.0000	.0000	.0043	.0000	.0001	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0192	.0536	-0.0113	.0002	.0005	.0219	.0003	.0002
Stddev	.0002	.0022	.0104	.0162	.0000	.0002	.0091	.0002	.0001
%RSD	74.58	11.64	19.47	1281.	22.14	35.05	41.72	62.73	65.54
#1	.0001	.0213	.0620	.0171	.0002	.0006	.0213	.0004	.0004
#2	.0003	.0194	.0568	-.0075	.0001	.0006	.0131	.0001	.0002
#3	.0005	.0169	.0419	-.0134	.0002	.0003	.0313	.0003	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0013	.0010	.0028	-0.0002	.0002	.0013	.0000	.0001	-0.0003
Stddev	.0004	.0016	.0003	.0004	.0001	.0001	.0012	.0001	.0000
%RSD	30.55	158.1	12.32	192.1	49.39	6.805	2326.	60.63	17.23
#1	-.0008	.0019	.0030	-.0001	.0003	.0014	.0013	.0002	-.0003
#2	-.0014	.0020	.0029	-.0007	.0003	.0013	-.0002	.0000	-.0002
#3	-.0016	-.0008	.0024	.0002	.0001	.0012	-.0009	.0002	-.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/11/2016 6:35:51 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2852.3	5395.1	41826.	3725.4
Stddev	8.2	10.5	142.	22.0
%RSD	.28846	.19442	.33967	.58933
#1	2855.5	5389.8	41673.	3708.2
#2	2858.4	5407.2	41852.	3717.9
#3	2842.9	5388.4	41954.	3750.2

Sample Name: FA32070-6 Acquired: 3/11/2016 6:40:22 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.034	279.4	1.408	4.988	0.095	270.1	0.086	1.649	7.466
Stddev	.0010	.7	.0011	.020	.0001	.9	.0001	.0002	.0011
%RSD	28.05	.2527	.8111	.3932	1.111	.3425	.1113	.1201	.1462
#1	.0023	279.8	.1396	5.001	.0094	271.1	.0486	1.648	.7478
#2	.0042	279.8	.1408	4.998	.0096	269.6	.0486	1.648	.7465
#3	.0036	278.6	.1419	4.965	.0094	269.5	.0485	1.651	.7456
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.057	393.6	76.02	141.8	7.697	0.293	7.717	5.535	7.710
Stddev	.002	.6	.16	.6	.037	.0003	.048	.0015	.002
%RSD	.1728	.1629	.2120	.3885	.4762	.8735	.6171	.2661	.0291
#1	1.055	394.2	76.21	142.5	7.707	.0294	7.742	5.551	7.708
#2	1.056	393.7	75.91	141.5	7.728	.0296	7.747	5.522	7.712
#3	1.059	392.9	75.95	141.5	7.657	.0291	7.662	5.531	7.711
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	0.106	-0.032	4.097	1.127	1.625	14.36	-0.031	7.258	8.534
Stddev	.0029	.0043	.004	.0010	.005	.04	.0021	.0019	.008
%RSD	27.17	133.6	.0873	.8285	.2955	.3124	69.94	2.677	.0929
#1	.0087	.0009	4.094	.1206	1.625	14.38	-.0014	7.258	8.525
#2	.0139	-.0076	4.101	.1218	1.630	14.40	-.0023	7.277	8.540
#3	.0092	-.0029	4.097	.1227	1.620	14.31	-.0055	7.238	8.538
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2426.3	6216.6	4705.2	4400.0					
Stddev	2.4	1.1	154.	24.2					
%RSD	.10019	.01787	.32771	.55092					
#1	2428.7	6215.7	4691.4	4372.0					
#2	2426.4	6217.8	4702.3	4413.7					
#3	2423.8	6216.2	4721.8	4414.4					

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7.1
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Sample Name: FA32070-7 Acquired: 3/11/2016 6:44:56 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.031	275.5	2.636	4.345	0.101	126.9	0.094	2.073	8.150
Stddev	.0003	.9	.0012	.016	.0001	.4	.0004	.0005	.0027
%RSD	11.12	.3271	.4614	.3682	.9250	.3170	.7560	.2177	.3325
#1	.0035	276.6	.2634	4.363	.0102	127.3	.0490	2.070	.8134
#2	.0031	275.0	.2649	4.331	.0100	126.8	.0495	2.072	.8181
#3	.0028	275.1	.2625	4.342	.0101	126.5	.0497	2.078	.8134
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.338	568.9	62.03	108.5	8.660	0.373	4.132	7.338	9.553
Stddev	.002	1.5	.37	.7	.043	.0006	.011	.0004	.019
%RSD	.1684	.2629	.5895	.6286	.5011	1.500	.2711	.0510	.2012
#1	1.339	570.6	62.42	109.2	8.621	.0375	4.143	7.337	9.537
#2	1.335	568.5	61.99	108.5	8.707	.0377	4.133	7.335	9.546
#3	1.339	567.7	61.70	107.8	8.653	.0366	4.121	7.343	9.574
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	0.206	-0.091	3.704	1.988	1.117	14.82	-0.030	8.434	15.11
Stddev	.0010	.0023	.004	.0014	.002	.12	.0013	.0022	.02
%RSD	4.809	25.77	.0997	.7140	.1358	8.016	43.85	2.556	.1140
#1	.0214	-.0079	3.702	.2002	1.119	14.78	-.0045	8.419	15.12
#2	.0209	-.0075	3.701	.1988	1.116	14.96	-.0021	8.423	15.13
#3	.0195	-.0118	3.708	.1973	1.116	14.73	-.0023	8.458	15.09
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2505.4	6268.9	4806.1	4427.4					
Stddev	4.6	14.4	155.	5.2					
%RSD	.18168	.22961	.32293	.11829					
#1	2504.7	6264.6	4821.8	4421.8					
#2	2510.3	6285.0	4790.8	4432.2					
#3	2501.3	6257.2	4805.7	4428.1					

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Sample Name: FA32070-8 Acquired: 3/11/2016 6:49:27 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.102	286.0	2.675	4.556	0.110	113.3	0.062	1.827	1.113
Stddev	.0005	.6	.0012	.009	.0002	.6	.0001	.0003	.004
%RSD	4.655	.2147	.4324	.2075	1.624	5.561	.1911	.1853	.3699
#1	.0107	285.5	.2666	4.546	.0111	112.7	.0663	1.824	1.117
#2	.0102	285.7	.2670	4.556	.0108	113.2	.0663	1.826	1.109
#3	.0097	286.7	.2688	4.565	.0110	113.9	.0661	1.831	1.112
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.261	420.6	68.60	106.8	7.803	0.277	4.205	5.680	7.503
Stddev	.004	1.4	.13	.6	.019	.0004	.016	.0004	.002
%RSD	2.766	.3384	.1866	.5337	.2440	1.471	.3860	.0774	.0269
#1	1.259	419.4	68.47	106.6	7.811	.0273	4.186	5.679	7.505
#2	1.265	420.2	68.60	106.4	7.816	.0278	4.211	5.685	7.503
#3	1.259	422.2	68.72	107.5	7.781	.0280	4.217	5.677	7.501
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.082	-0.059	4.029	1.827	1.012	13.89	-0.093	8.225	12.43
Stddev	.0009	.0010	.006	.0010	.001	.09	.0016	.0027	.01
%RSD	10.47	17.79	.1386	.5725	.1118	6.767	16.89	3.331	.0804
#1	.0073	-.0050	4.024	.1815	1.010	13.97	-.0093	8.254	12.42
#2	.0090	-.0056	4.028	.1833	1.012	13.92	-.0110	8.199	12.44
#3	.0084	-.0070	4.035	.1834	1.013	13.79	-.0078	8.223	12.43
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2491.1	6408.5	4914.9	4497.8					
Stddev	7.2	10.7	287.	18.6					
%RSD	.29067	.16705	.58401	.41270					
#1	2483.8	6398.6	4890.4	4515.8					
#2	2498.3	6419.9	4907.8	4498.9					
#3	2491.2	6407.1	4946.5	4478.7					

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Sample Name: FA32070-9 Acquired: 3/11/2016 6:53:58 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.020	289.8	1.050	3.894	0.101	130.8	0.032	1.585	6.666
Stddev	.0004	.5	.0021	.006	.0001	.2	.0001	.0004	.0032
%RSD	18.25	.1762	1.960	.1652	.6082	.1418	.2473	.2441	.4735
#1	.0019	289.2	.1029	3.887	.0102	130.9	.0323	1.589	.6702
#2	.0025	290.2	.1070	3.899	.0101	131.0	.0321	1.581	.6641
#3	.0017	290.0	.1052	3.898	.0101	130.7	.0322	1.584	.6657
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	9.241	414.7	95.51	103.2	5.152	0.343	3.964	5.278	5.018
Stddev	.008	.3	.34	.2	.006	.0003	.018	.0000	.012
%RSD	.0824	.0712	.3548	.2148	.1204	.9487	.4449	.0011	.2417
#1	.9249	415.0	95.12	103.4					

Sample Name: FA32070-10 Acquired: 3/11/2016 6:58:31 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0028	266.8	.1130	3.417	.0098	110.4	.0346	1.657	7.176
Stddev	.0001	1.1	.0009	.008	.0002	.7	.0002	.0002	.0018
%RSD	5.162	.4202	.7932	.2423	2.340	.5890	.5932	.1095	.2481
#1	.0029	265.7	.1140	3.408	.0095	109.9	.0346	1.655	7.178
#2	.0028	266.7	.1127	3.420	.0098	110.2	.0349	1.658	7.157
#3	.0026	268.0	.1122	3.423	.0100	111.2	.0345	1.658	7.192
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.9303	396.5	81.04	95.15	7.502	0.371	2.273	5.221	5.748
Stddev	.0016	1.2	.39	1.11	.005	.0005	.008	.0006	.013
%RSD	.1704	.2902	.4837	1.163	.0698	1.319	.3490	.1104	.2317
#1	.9315	396.1	80.65	94.72	7.505	.0369	2.279	5.226	5.763
#2	.9285	395.6	81.04	94.32	7.496	.0377	2.264	5.215	5.742
#3	.9310	397.8	81.43	96.41	7.504	.0368	2.275	5.221	5.738
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0151	-0.069	3.447	1.827	.9137	13.89	-0.032	7.551	6.513
Stddev	.0010	.0032	.002	.0016	.0017	.11	.0014	.0039	.011
%RSD	6.668	45.73	.0666	.8973	.1897	.7566	44.26	5.029	.1617
#1	.0162	-0.090	3.444	1.833	.9154	13.99	-0.030	7.596	6.524
#2	.0151	-0.033	3.449	1.839	.9138	13.78	-0.019	7.533	6.503
#3	.0141	-0.085	3.447	1.808	.9120	13.91	-0.047	7.524	6.512
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2503.5	6333.9	4813.2	4434.4					
Stddev	4.2	5.1	159.	43.7					
%RSD	.16960	.08010	.33070	.98580					
#1	2498.6	6332.0	4802.7	4464.5					
#2	2506.0	6339.6	48315.	4454.4					
#3	2505.9	6330.0	48053.	4384.2					

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Sample Name: FA32070-11 Acquired: 3/11/2016 7:03:04 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0026	305.4	.1018	3.874	.0111	130.3	.0225	1.628	6.089
Stddev	.0006	1.2	.0015	.019	.0001	.3	.0002	.0004	.0015
%RSD	24.04	.3813	1.427	.4862	1.284	.2674	.6687	.2672	.2454
#1	.0023	304.3	.1001	3.853	.0112	130.4	.0226	1.623	6.104
#2	.0022	305.4	.1025	3.884	.0109	130.0	.0225	1.628	6.088
#3	.0033	306.6	.1028	3.886	.0111	130.7	.0223	1.632	6.074
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.7036	415.1	100.3	109.6	7.524	0.266	7.328	4.520	3.367
Stddev	.0019	1.3	.1	.3	.074	.0004	.035	.0009	.006
%RSD	.2715	.3251	.0511	.3097	.9868	1.562	.4739	.2034	.1668
#1	.7024	414.1	100.2	109.8	7.600	.0268	7.306	4.513	3.368
#2	.7058	414.5	100.3	109.2	7.520	.0262	7.309	4.518	3.361
#3	.7025	416.6	100.3	109.8	7.452	.0269	7.368	4.531	3.372
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0055	-0.045	3.807	0.934	1.342	13.27	-0.020	7.741	4.243
Stddev	.0008	.0018	.010	.0003	.007	.15	.0035	.0016	.001
%RSD	14.03	40.35	.2510	.3510	.5062	1.161	171.9	.2070	.0169
#1	.0057	-0.051	3.797	.0932	1.335	13.40	.0018	7.759	4.258
#2	.0046	-0.025	3.808	.0938	1.345	13.30	-0.029	7.731	4.256
#3	.0061	-0.059	3.816	.0933	1.347	13.10	-0.050	7.732	4.257
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2479.9	6457.4	4904.0	4475.4					
Stddev	6.1	4.2	317.	11.1					
%RSD	.24600	.06564	.64571	.24743					
#1	2475.0	6454.3	48803.	4465.7					
#2	2486.7	6462.2	48919.	4487.5					
#3	2478.0	6455.7	49400.	4473.0					

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Sample Name: FA32070-12 Acquired: 3/11/2016 7:07:38 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0031	268.8	.1201	3.640	.0094	481.7	.0264	1.524	5.900
Stddev	.0006	1.0	.0003	.007	.0002	3.6	.0003	.0002	.0011
%RSD	19.60	.3656	.2576	.1936	1.958	.7535	1.173	.1007	.1809
#1	.0024	268.7	.1203	3.637	.0095	479.5	.0267	1.522	5.908
#2	.0034	269.9	.1197	3.648	.0095	479.7	.0261	1.525	5.905
#3	.0034	268.0	.1203	3.634	.0092	485.9	.0263	1.523	5.888
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.8514	400.8	99.38	112.2	7.269	0.289	10.56	4.346	3.736
Stddev	.0041	2.2	.25	.7	.045	.0004	.04	.0011	.004
%RSD	.4816	.5608	.2543	.6516	.6154	1.281	.4205	.2631	.1043
#1	.8467	400.0	99.54	111.8	7.303	.0291	10.55	4.339	3.740
#2	.8534	403.4	99.51	113.0	7.218	.0284	10.61	4.339	3.734
#3	.8542	399.1	99.09	111.7	7.287	.0290	10.52	4.359	3.733
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0093	-0.032	3.733	1.076	2.070	12.80	-0.020	7.442	4.875
Stddev	.0038	.0010	.002	.0014	.007	.06	.0063	.0009	.013
%RSD	40.56	30.58	.0574	1.287	.3339	4.990	320.3	.1146	.2555
#1	.0131	-0.043	3.735	1.066	2.068	12.87	.0053	7.452	4.862
#2	.0093	-0.025	3.730	1.070	2.078	12.75	-0.052	7.437	4.878
#3	.0056	-0.028	3.733	1.092	2.065	12.78	-0.060	7.438	4.886
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2385.0	6152.7	4707.6	4340.3					
Stddev	2.3	8.6	53.	3.1					
%RSD	.09635	.13900	.11270	.07041					
#1	2383.4	6143.4	47058.	4337.0					
#2	2383.9	6154.4	47135.	4343.1					
#3	2387.6	6160.3	47034.	4340.7					

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Sample Name: FA32070-13 Acquired: 3/11/2016 7:12:20 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0043	304.0	.1368	6.163	.0112	171.2	.0382	1.763	6.944
Stddev	.0010	.3	.0009	.010	.0002	.4	.0003	.0002	.0003
%RSD	23.13	.0881	.6630	.1645	1.426	.2421	.8278	.1034	.0374
#1	.0053	304.3	.1378	6.157	.0114	171.6	.0379	1.764	6.947
#2	.0042	303.7	.1361	6.157	.0111	170.7	.0385	1.761	6.942
#3	.0033	303.9	.1364	6.174	.0111	171.1	.0382	1.765	6.945
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	1.009	438.5	110.3	117.4	8.421	0.311	7.036	4.982	5.964
Stddev	.002	1.3	.4	.4	.036	.0003	.030	.0013	.003
%RSD	.1717	.3045	.3341	.3346	.4229	1.115	.4302	.2701	.0553
#1	1.011	440.0	110.2	117.8	8.396	.0313	7.029	4.967	5.968
#2	1.007	437.8	109.9	117.0	8.404	.0307	7.069	4.991	5.962
#3	1.010	437.6	110.7	117.4	8.461	.0312	7.009	4.988	5.962
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)								

Sample Name: FA32070-14 Acquired: 3/11/2016 7:16:52 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0032	296.2	1.139	4.603	.0111	130.3	.0328	1.890	.6873
Stddev	.0008	1.0	.0013	.019	.0001	.7	.0001	.0007	.0016
%RSD	23.42	.3542	1.181	.4156	.7437	.5048	.1650	.3775	.2375
#1	.0024	295.7	.1148	4.610	.0111	129.8	.0327	1.887	.6854
#2	.0036	297.4	.1145	4.618	.0110	131.1	.0327	1.898	.6883
#3	.0037	295.4	.1124	4.582	.0111	130.0	.0328	1.885	.6881
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.106	425.7	112.1	110.9	F 8.863	.0313	5.104	5.079	5.988
Stddev	.001	1.9	.5	.5	.031	.0005	.041	.0009	.015
%RSD	.1094	.4540	.4353	.4513	.3473	1.462	.8067	.1784	.2549
#1	1.105	423.9	112.0	110.4	8.838	.0314	5.077	5.069	5.973
#2	1.107	427.7	112.6	111.4	8.897	.0308	5.152	5.087	5.988
#3	1.106	425.5	111.7	111.0	8.854	.0317	5.084	5.082	6.004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0140	-.0037	3.696	2.189	F 1.349	-.0040	8.024	6.712	6.712
Stddev	.0009	.0081	.014	.0004	.006	.03	.0040	.0033	.018
%RSD	6.662	215.3	.3888	.1853	.4200	.2414	100.5	4.064	.2651
#1	.0134	-.0056	3.679	.2193	1.348	14.26	-.0047	.7987	6.730
#2	.0137	-.0084	3.707	.2185	1.355	14.29	-.0075	8.037	6.712
#3	.0151	-.0084	3.701	.2189	1.344	14.33	.0003	8.049	6.695
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2476.8	6446.7	49263.	4520.5					
Stddev	4.8	15.2	92.	29.3					
%RSD	.19370	.23566	.18611	.64745					
#1	2481.8	6454.9	49369.	4540.5					
#2	2472.2	6429.1	49206.	4486.9					
#3	2476.4	6456.0	49214.	4534.1					

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Sample Name: FA32070-15 Acquired: 3/11/2016 7:21:25 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0015	307.3	1.255	6.198	.0118	85.90	.0309	1.820	.7503
Stddev	.0007	3.1	.0027	.063	.0002	.78	.0005	.0007	.0016
%RSD	50.24	1.005	2.165	1.011	1.840	.9078	1.541	.3811	.0869
#1	.0007	306.0	.1245	6.180	.0116	85.60	.0306	1.813	.7504
#2	.0021	310.8	.1234	6.268	.0120	86.79	.0306	1.822	.7496
#3	.0016	305.1	.1286	6.147	.0117	85.32	.0314	1.827	.7508
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	6.850	451.4	102.9	110.3	7.758	.0310	4.965	4.551	F 11.51
Stddev	.0013	4.7	1.0	1.2	.056	.0002	.037	.0016	.03
%RSD	.1911	1.044	1.014	1.072	.7201	.6569	.7372	.3469	.2220
#1	.6864	449.4	102.6	110.2	7.792	.0311	4.943	4.533	11.50
#2	.6838	456.8	104.1	111.5	7.788	.0308	5.008	4.555	11.54
#3	.6848	448.1	102.0	109.2	7.694	.0312	4.945	4.564	11.50
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0055	-.0088	3.553	2.102	8.172	F 14.78	.0010	8.866	5.693
Stddev	.0022	.0042	.005	.0002	.0093	.08	.0042	.0014	.012
%RSD	39.47	47.76	.1416	.2192	1.139	5.282	441.9	.1635	.2132
#1	.0076	-.0103	3.550	.1023	.8110	14.77	.0056	8.861	5.679
#2	.0033	-.0040	3.551	.1021	.8279	14.86	-.0026	8.854	5.700
#3	.0057	-.0120	3.559	.1018	.8127	14.70	-.0001	8.882	5.701
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2524.8	6670.7	51427.	4725.0					
Stddev	2.2	12.6	84.	44.4					
%RSD	.08524	.18932	.16323	.93980					
#1	2526.2	6681.8	51448.	4758.3					
#2	2522.3	6673.4	51335.	4674.6					
#3	2525.8	6656.9	51498.	4742.1					

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Sample Name: CCV Acquired: 3/11/2016 7:25:58 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2563	40.16	2.107	2.042	2.033	39.84	2.126	2.103	2.071
Stddev	.0012	.27	.005	.013	.012	.21	.003	.003	.004
%RSD	.4693	.6694	.2166	.6586	.5674	.5232	.1241	.1278	.1992
#1	.2550	40.30	2.113	2.043	2.036	40.02	2.128	2.106	2.072
#2	.2573	40.33	2.104	2.055	2.043	39.87	2.125	2.102	2.074
#3	.2567	39.85	2.105	2.028	2.020	39.61	2.123	2.101	2.066

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 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.037	39.47	40.34	39.13	2.103	2.115	41.29	2.139	2.082
Stddev	.009	.17	.27	.29	.002	.003	.32	.002	.004
%RSD	.4226	.4333	.6587	.7538	.1033	.1615	.7673	.0699	.1938
#1	2.031	39.49	40.44	39.41	2.104	2.119	41.31	2.141	2.086
#2	2.032	39.63	40.53	39.16	2.104	2.115	41.59	2.138	2.078
#3	2.047	39.29	40.03	38.82	2.100	2.112	40.96	2.138	2.081

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.106	2.098	2.048	2.124	2.095	2.117	2.102	2.126	2.074
Stddev	.008	.001	.006	.004	.017	.001	.001	.006	.003
%RSD	.3610	.0644	.3006	.1633	.7924	.0365	.0394	.2827	.1376
#1	2.112	2.098	2.055	2.127	2.089	2.116	2.102	2.122	2.075
#2	2.108	2.099	2.045	2.125	2.113	2.117	2.103	2.132	2.077
#3	2.097	2.096	2.044	2.120	2.082	2.117	2.101	2.122	2.071

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: CCV Acquired: 3/11/2016 7:25:58 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2440.5	5168.1	40468.	3697.0					
Stddev	7.7	12.1	135.	25.0					
%RSD	.31554	.23322	.33360	.67638					
#1	2438.7	5162.9	40505.	3673.5					
#2	2449.0	5181.8	40319.	3694.3					
#3	2433.9	5159.5	40581.	3723.3					

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Sample Name: CCB Acquired: 3/11/2016 7:30:08 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0089	.0000	.0000	.0000	.0021	.0000	.0001	.0000
Stddev	.0002	.0031	.000	.0003	.0000	.0036	.0000	.0001	.0002
%RSD	35.32	35.03	700.4	1029.	121.4	172.9	106.0	58.13	492.2
#1	.0005	.0115	.0002	.0003	.0000	.0050	.0000	.0001	.0002
#2	.0004	.0055	.0001	.0001	.0000	.0031	.0001	.0002	-.0001
#3	.0007	.0098	-.0004	-.0003	.0000	-.0019	.0000	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0186	.0550	.0071	.0002	.0007	.0228	.0001	.0007
Stddev	.0001	.0029	.0258	.0111	.0000	.0002	.0072	.0001	.0003
%RSD	27.87	15.81	46.92	155.9	12.37	30.49	31.61	71.29	49.21
#1	.0004	.0220	.0270	-.0049	.0002	.0009	.0308	.0000	.0003
#2	.0004	.0176	.0601	.0169	.0002	.0007	.0207	.0002	.0007
#3	.0006	.0164	.0779	.0093	.0002	.0005	.0168	.0002	.0010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0009	.0018	.0028	.0000	.0001	.0013	.0011	.0001	-.0002
Stddev	.0001	.0005	.0009	.000	.0001	.0000	.0007	.0001	.0001
%RSD	14.86	25.82	32.04	1928.	59.38	2.862	61.34	112.0	50.64
#1	-.0011	.0014	.0022	.0000	.0002	.0013	.0013	.0002	-.0001
#2	-.0009	.0016	.0023	.0003	.0001	.0014	.0003	.0000	-.0002
#3	-.0008	.0023	.0038	-.0004	.0001	.0013	.0016	.0001	-.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/11/2016 7:30:08 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2914.6	5496.1	42945.	3797.8
Stddev	.9	2.6	96.	5.9
%RSD	.02992	.04679	.22414	.15502
#1	2915.0	5493.2	42932.	3791.1
#2	2915.3	5496.8	43047.	3799.8
#3	2913.6	5498.2	42856.	3802.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0186	.0550	.0071	.0002	.0007	.0228	.0001	.0007
Stddev	.0001	.0029	.0258	.0111	.0000	.0002	.0072	.0001	.0003
%RSD	27.87	15.81	46.92	155.9	12.37	30.49	31.61	71.29	49.21
#1	.0004	.0220	.0270	-.0049	.0002	.0009	.0308	.0000	.0003
#2	.0004	.0176	.0601	.0169	.0002	.0007	.0207	.0002	.0007
#3	.0006	.0164	.0779	.0093	.0002	.0005	.0168	.0002	.0010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0009	.0018	.0028	.0000	.0001	.0013	.0011	.0001	-.0002
Stddev	.0001	.0005	.0009	.000	.0001	.0000	.0007	.0001	.0001
%RSD	14.86	25.82	32.04	1928.	59.38	2.862	61.34	112.0	50.64
#1	-.0011	.0014	.0022	.0000	.0002	.0013	.0013	.0002	-.0001
#2	-.0009	.0016	.0023	.0003	.0001	.0014	.0003	.0000	-.0002
#3	-.0008	.0023	.0038	-.0004	.0001	.0013	.0016	.0001	-.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: FA32070-16 Acquired: 3/11/2016 7:34:39 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0016	328.9	.1139	4.700	.0130	120.8	.0269	.2097	.6184
Stddev	.0005	1.1	.0021	.014	.0000	.8	.0001	.0006	.0014
%RSD	33.30	3244	1.859	.3018	.3040	6.360	.4279	.2904	.2276
#1	.0021	329.5	.1153	4.709	.0131	121.5	.0268	.2103	.6197
#2	.0016	329.5	.1114	4.707	.0130	120.8	.0268	.2091	.6169
#3	.0011	327.6	.1149	4.683	.0130	120.0	.0270	.2097	.6185

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.9170	491.0	104.6	130.3	F 9.092	.0271	7.447	5.195	3.301
Stddev	.0047	2.0	5	5	.029	.0004	.011	.0015	.005
%RSD	.5083	.3978	.4689	.4178	.3140	1.316	.1430	.2882	.1588
#1	.9219	492.9	104.9	130.8	9.124	.0267	7.436	5.196	3.306
#2	.9127	491.1	104.8	130.4	9.071	.0273	7.457	5.179	3.303
#3	.9165	489.0	104.0	129.7	9.081	.0273	7.447	5.209	3.295

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0220	-.0071	3.638	1.774	1.267	F 13.78	-.0024	9.617	4.236
Stddev	.0041	.0036	.002	.0007	.004	.08	.0005	.0019	.013
%RSD	18.60	50.30	.0492	.4002	.2990	6.026	23.06	.1970	.2950
#1	.0203	-.0069	3.636	.1782	1.269	13.74	-.0027	9.599	4.244
#2	.0266	-.0036	3.638	.1768	1.269	13.87	-.0017	9.637	4.222
#3	.0190	-.0107	3.640	.1772	1.263	13.72	-.0027	9.614	4.243

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2465.1	6705.7	51489.	4723.1
Stddev	6.3	3.6	110.	25.5
%RSD	.25640	.05414	.21418	.53965
#1	2466.1	6708.5	51389.	4700.9
#2	2458.3	6701.6	51471.	4717.5
#3	2470.8	6707.1	51607.	4751.0

Sample Name: FA32070-17 Acquired: 3/11/2016 7:39:12 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0008	331.4	.0896	3.379	.0134	98.61	.0178	.1970	.5836
Stddev	.0011	1.3	.0019	.004	.0001	.51	.0003	.0004	.0024
%RSD	134.7	.3837	2.173	.1188	.7521	5.161	1.871	2.200	.4127
#1	-.0016	332.8	.0918	3.383	.0134	98.88	.0174	.1973	.5856
#2	-.0013	330.3	.0888	3.376	.0134	98.02	.0181	.1973	.5809
#3	-.0004	331.0	.0882	3.377	.0135	98.93	.0179	.1965	.5841

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5475	473.5	98.70	118.8	F 8.536	.0338	7.472	4.909	3.754
Stddev	.0012	2.6	.35	.9	.102	.0005	.013	.0008	.0012
%RSD	.2114	.5553	.3596	.7821	1.201	1.532	.1690	.1707	.3151
#1	.5470	476.4	99.08	119.6	8.571	.0339	7.480	4.916	.3767
#2	.5488	471.3	98.38	117.8	8.421	.0332	7.458	4.913	.3751
#3	.5466	472.7	98.64	119.0	8.617	.0342	7.479	4.900	.3743

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0025	-.0079	5.588	.0441	1.079	F 13.35	-.0033	9.317	1.520
Stddev	.0029	.0045	.006	.0005	.005	.09	.0036	.0015	.004
%RSD	113.3	56.59	.1029	1.190	.4780	.7050	106.5	.1647	.2909
#1	.0024	-.0093	5.582	.0436	1.084	13.32	-.0057	9.331	1.524
#2	.0055	-.0115	5.593	.0439	1.079	13.27	-.0051	9.301	1.519
#3	-.0002	-.0029	5.590	.0446	1.074	13.46	.0008	9.319	1.516

Sample Name: FA32070-18 Acquired: 3/11/2016 7:43:45 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.013	380.6	.0979	3.859	.0156	108.1	.0187	2.105	.6523
Stddev	.0008	1.2	.0002	.017	.0001	.3	.0002	.0004	.0002
%RSD	64.45	.3142	.1737	.4453	.5281	.3032	1.311	.1677	.0372
#1	-.0014	379.9	.0977	3.850	.0157	108.1	.0185	2.107	.6525
#2	-.0004	380.0	.0978	3.849	.0156	107.7	.0189	2.101	.6524
#3	-.0021	382.0	.0980	3.879	.0156	108.3	.0185	2.108	.6520
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.5766	532.3	92.37	130.7	8.540	.0339	9.711	5.452	2.112
Stddev	.0003	.7	.30	.3	.054	.0004	.009	.0009	.0035
%RSD	.0531	.1377	.3236	.2516	.6342	1.034	.0917	.1656	1.680
#1	.5767	532.3	92.36	131.0	8.484	.0335	9.705	5.457	2.071
#2	.5762	531.6	92.07	130.4	8.593	.0342	9.707	5.441	2.129
#3	.5768	533.0	92.67	130.7	8.544	.0338	9.722	5.457	2.135
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	-0.0007	-0.134	5.087	0.232	1.148	11.64	-0.002	1.038	1.437
Stddev	.0024	.0032	.011	.0001	.003	.04	.0032	.002	.005
%RSD	343.7	24.24	.2170	.6244	.2464	.3673	2034.	.1512	.3451
#1	-.0031	-.0106	5.081	.0233	1.145	11.59	.0026	1.040	1.440
#2	-.0006	-.0126	5.099	.0231	1.148	11.67	-.0037	1.038	1.431
#3	.0016	-.0170	5.080	.0230	1.151	11.65	.0006	1.036	1.440
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2463.7	7134.6	5523.0	5062.3					
Stddev	2.6	13.6	71.	15.0					
%RSD	.10361	.19003	.12786	.29684					
#1	2463.8	7126.2	55298.	5044.9					
#2	2461.1	7127.4	55157.	5071.3					
#3	2466.2	7150.3	55234.	5070.6					

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Sample Name: FA32070-19 Acquired: 3/11/2016 7:48:18 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0036	296.7	.1685	5.371	.0104	211.7	.0439	1.786	.8172
Stddev	.0009	.7	.0032	.005	.0001	.8	.0005	.0005	.0007
%RSD	23.90	.2412	1.927	.0863	1.141	.3900	1.047	.2528	.0874
#1	.0026	297.3	.1722	5.375	.0105	212.3	.0438	1.781	.8180
#2	.0039	295.9	.1660	5.371	.0104	210.8	.0444	1.790	.8166
#3	.0043	297.0	.1674	5.366	.0103	212.2	.0435	1.786	.8171
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	1.197	420.2	87.81	120.6	8.018	.0330	6.812	6.010	7.151
Stddev	.006	1.4	.19	.6	.050	.0004	.042	.0010	.015
%RSD	.5233	.3296	.2165	.4819	.6243	1.233	.6116	.1737	.2038
#1	1.194	420.7	87.98	120.6	8.041	.0326	6.806	6.005	7.135
#2	1.204	418.6	87.60	120.0	7.961	.0334	6.774	6.022	7.155
#3	1.193	421.2	87.85	121.1	8.053	.0329	6.856	6.002	7.163
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0098	-0.035	5.156	1.429	1.622	14.65	-0.036	.7786	9.154
Stddev	.0027	.0024	.013	.0009	.003	.05	.0012	.0018	.010
%RSD	27.68	70.08	.2561	.6561	.1866	.3240	.3358	.2273	.1051
#1	.0074	-.0042	5.149	.1425	1.624	14.69	-.0049	.7799	9.148
#2	.0127	-.0008	5.172	.1422	1.618	14.60	-.0032	.7766	9.148
#3	.0091	-.0055	5.148	.1439	1.623	14.64	-.0026	.7792	9.165
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2463.8	6340.1	49489.	4574.0					
Stddev	4.2	3.0	29.	15.3					
%RSD	.16845	.04770	.05942	.33533					
#1	2466.0	6338.5	49498.	4570.4					
#2	2466.5	6338.3	49512.	4590.8					
#3	2459.0	6343.6	49456.	4560.8					

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7.1
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Sample Name: FA32070-20 Acquired: 3/11/2016 7:52:48 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0047	244.3	.1755	4.238	.0087	118.2	.0388	1.661	.7490
Stddev	.0006	.1	.0019	.009	.0001	.2	.0001	.0004	.0020
%RSD	11.93	.0553	1.090	.2182	.9990	.1451	.3444	.2682	.2612
#1	.0045	244.1	.1774	4.234	.0088	118.0	.0390	1.665	.7487
#2	.0042	244.3	.1754	4.231	.0086	118.4	.0387	1.657	.7511
#3	.0053	244.4	.1736	4.248	.0087	118.2	.0388	1.660	.7472
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	1.070	365.1	54.24	95.52	7.064	.0240	4.011	5.316	9.680
Stddev	.004	.8	.08	.29	.030	.0005	.003	.0004	.008
%RSD	.3552	.2327	.1513	.3046	.4250	2.040	.0792	.0679	.0856
#1	1.067	364.9	54.28	95.46	7.052	.0238	4.008	5.318	9.672
#2	1.074	366.0	54.14	95.83	7.098	.0245	4.012	5.319	9.689
#3	1.067	364.3	54.29	95.26	7.041	.0235	4.014	5.312	9.679
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0075	-0.020	4.610	1.664	1.046	13.47	-0.043	7.021	13.27
Stddev	.0027	.0049	.006	.0003	.002	.10	.0022	.0019	.03
%RSD	35.31	245.7	.1213	.1835	.1475	.7613	51.63	.2676	.2145
#1	.0090	-.0066	4.605	.1667	1.045	13.35	-.0049	7.043	13.26
#2	.0092	.0032	4.609	.1664	1.048	13.55	-.0019	7.012	13.30
#3	.0045	-.0026	4.616	.1661	1.045	13.50	-.0062	7.009	13.24
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2542.5	6248.9	48547.	4452.4					
Stddev	2.3	6.8	166.	15.3					
%RSD	.09223	.10876	.34246	.34399					
#1	2540.9	6242.2	48602.	4469.5					
#2	2545.2	6255.8	48360.	4447.7					
#3	2541.4	6248.6	48679.	4440.0					

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Sample Name: FA32070-21 Acquired: 3/11/2016 7:57:19 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0034	295.6	.1424	4.712	.0115	138.9	.0438	1.848	.6562
Stddev	.0005	1.4	.0018	.019	.0002	.7	.0007	.0021	.0060
%RSD	15.08	.4570	1.259	.4062	1.512	.4820	1.681	1.125	.9151
#1	.0039	296.1	.1410	4.726	.0116	139.1	.0431	1.827	.6631
#2	.0033	296.7	.1444	4.721	.0116	139.5	.0438	1.850	.6534
#3	.0029	294.1	.1419	4.690	.0113	138.2	.0445	1.868	.6521
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.9222	456.3	104.9	111.5	8.268	.0284	6.814	4.905	3.442
Stddev	.0062	2.0	.3	.6					

Sample Name: FA32070-22 Acquired: 3/11/2016 8:01:52 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0021	340.4	.1505	4.801	.0135	127.4	.0348	2.202	.6750
Stddev	.0007	.3	.0014	.013	.0001	.2	.0001	.0001	.0036
%RSD	30.60	.0766	.9374	.2737	.4962	.1350	.1745	.0404	.5317
#1	.0016	340.1	.1491	4.787	.0134	127.5	.0348	2.201	.6774
#2	.0029	340.5	.1519	4.803	.0135	127.2	.0349	2.202	.6708
#3	.0019	340.6	.1505	4.813	.0135	127.4	.0348	2.201	.6766

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.8578	496.3	117.2	125.9	F 9.765	.0299	6.876	.5426	2.573
Stddev	.0029	.4	.2	.3	.076	.0004	.024	.0009	.007
%RSD	.3354	.0765	.1294	.2146	.7800	1.342	.3419	.1581	.2551
#1	.8546	496.1	117.0	126.2	9.724	.0303	6.851	.5422	2.573
#2	.8585	496.7	117.3	125.6	9.719	.0299	6.879	.5435	2.579
#3	.8603	496.0	117.2	126.0	9.853	.0295	6.898	.5420	2.566

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0071	-.0069	5.258	1.039	1.281	F 13.91	-.0005	.9228	3.978
Stddev	.0015	.0016	.008	.0012	.003	.11	.0008	.0022	.003
%RSD	21.50	23.85	.1466	1.130	.2008	.7849	165.5	.2367	.0668
#1	.0073	-.0080	5.257	1.034	1.278	13.91	.0004	.9236	3.976
#2	.0054	-.0050	5.251	1.052	1.283	13.80	-.0006	.9204	3.981
#3	.0084	-.0076	5.266	1.030	1.283	14.02	-.0012	.9246	3.977

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2477.8	6775.0	52696.	4888.0
Stddev	1.5	7.2	291.	13.1
%RSD	.05872	.10600	.55291	.26821
#1	2478.2	6780.2	52600.	4875.4
#2	2479.1	6777.9	53024.	4886.9
#3	2476.2	6766.8	52465.	4901.6

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Sample Name: MP30094-MB1 Acquired: 3/11/2016 8:06:25 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0234	-.0009	.0001	-.0001	.0217	-.0001	-.0001	.0007
Stddev	.0003	.0096	.0008	.0002	.0001	.0017	.0000	.0001	.0002
%RSD	71.30	41.00	89.33	134.4	41.31	7.885	31.77	97.42	22.88
#1	.0005	.0185	-.0006	-.0001	-.0001	.0214	-.0001	.0000	.0008
#2	.0001	.0345	-.0018	.0002	-.0002	.0202	.0000	-.0001	.0005
#3	.0008	.0173	-.0003	.0003	-.0001	.0236	-.0001	-.0001	.0008

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	F 3.845	.0724	-.0061	.0032	-.0007	.0449	.0003	.0001
Stddev	.0002	.0025	.0283	.0207	.0000	.0001	.0047	.0002	.0001
%RSD	28.35	.6448	39.18	338.4	.8737	17.97	10.38	58.88	113.8
#1	.0007	.3826	.0598	-.0298	.0033	-.0008	.0405	.0004	.0001
#2	.0007	.3873	.0524	.0087	.0032	-.0008	.0498	.0001	.0003
#3	.0004	.3836	.1048	.0028	.0032	-.0006	.0445	.0005	.0000

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0012	.0013	.0079	.0193	.0000	.0029	.0003	.0000	.0013
Stddev	.0002	.0002	.0002	.0002	.000	.0003	.0016	.0001	.0000
%RSD	18.09	14.50	3.120	9.254	56.97	11.17	448.2	337.7	.7676
#1	-.0014	.0014	.0077	.0195	.0000	.0031	.0015	.0000	.0013
#2	-.0012	.0011	.0082	.0191	.0000	.0031	-.0014	.0000	.0013
#3	-.0009	.0014	.0078	.0192	-.0001	.0025	.0010	.0002	.0013

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2477.8	6775.0	52696.	4888.0
Stddev	1.5	7.2	291.	13.1
%RSD	.05872	.10600	.55291	.26821
#1	2478.2	6780.2	52600.	4875.4
#2	2479.1	6777.9	53024.	4886.9
#3	2476.2	6766.8	52465.	4901.6

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Sample Name: MP30094-MB1 Acquired: 3/11/2016 8:06:25 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2960.0	5553.6	44486.	3930.0
Stddev	.8	6.5	154.	8.2
%RSD	.02767	.11709	.34697	.20848
#1	2960.1	5552.2	44310.	3920.7
#2	2960.8	5560.7	44550.	3936.3
#3	2959.2	5548.0	44598.	3933.1

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Sample Name: MP30094-B1 Acquired: 3/11/2016 8:10:56 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0498	28.82	2.134	2.144	.0544	26.42	.0550	.5404	.2157
Stddev	.0009	.11	.004	.003	.0004	.09	.0002	.0005	.0007
%RSD	1.888	.3968	.2096	.1543	.7016	.3301	.3331	.0887	.3181
#1	.0494	28.75	2.139	2.140	.0541	26.35	.0551	.5409	.2153
#2	.0509	28.95	2.132	2.147	.0548	26.52	.0551	.5402	.2165
#3	.0492	28.75	2.130	2.144	.0543	26.39	.0548	.5401	.2154

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2727	27.46	26.67	26.05	.5596	.5452	27.58	.5577	.5198
Stddev	.0022	.21	.08	.21	.0013	.0008	.14	.0004	.0007
%RSD	.7993	.7780	.3114	.8041	.2382	.1538	.4939	.0675	.1288
#1	.2711	27.28	26.57	26.03	.5585	.5461	27.52	.5580	.5205
#2	.2752	27.70	26.73	26.26	.5610	.5450	27.73	.5577	.5195
#3	.2718	27.41	26.70	25.85	.5591	.5445	27.48	.5573	.5193

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5432	2.138	.0269	.5742	.5498	.5623	2.117	.5130	.5339
Stddev	.0013	.002	.0005	.0004	.0028	.0019	.004	.0021	.0005
%RSD	.2377	.1134	1.704	.0706	.5072	.3453	.2028	.4165	.0954
#1	.5417	2.139	.0267	.5738	.5479	.5609	2.112	.5135	.5335
#2	.5438	2.135	.0274	.5742	.5530	.5645	2.118	.5149	.5337
#3	.5441	2.139	.0266	.5746	.5486	.5614	2.120	.5107	.5345

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Sample Name: MP30094-B1 Acquired: 3/11/2016 8:10:56 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2593.8	5300.9	41454.	3759.0
Stddev	3.0	4.0	173.	24.5
%RSD	.11555	.07554	.41705	.65060
#1	2595.5	5297.2	41584.	3769.1
#2	2590.3	5300.2	41258.	3731.1
#3	2595.6	5305.2	41521.	3776.7

Sample Name: FA32068-9 Acquired: 3/11/2016 8:15:09 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	0.0646	235.4	2.913	9.724	0.0082	222.1	0.0744	1.1506	1.109
Stddev	.0007	.3	.0019	.018	.0001	.2	.0005	.0006	.006
%RSD	1.069	.1261	.6548	.1796	.8754	.0719	.6526	.3778	.5317
#1	.0648	235.4	2.897	9.705	.0082	222.3	.0739	1.1502	1.116
#2	.0652	235.2	2.907	9.739	.0083	222.0	.0746	1.1503	1.105
#3	.0639	235.8	2.934	9.727	.0081	222.0	.0747	1.1512	1.106
Elem	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_3710)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	2.126	426.3	68.32	88.09	7.911	0.0506	5.295	5.966	14.11
Stddev	.004	.7	.08	.40	.043	.0004	.008	.0005	.03
%RSD	.2091	.1562	.1163	.4560	.5408	.8613	.1593	.0871	.2082
#1	2.121	426.3	68.32	88.22	7.945	.0511	5.295	5.963	14.13
#2	2.127	425.6	68.40	87.64	7.863	.0503	5.286	5.964	14.13
#3	2.130	426.9	68.24	88.42	7.924	.0504	5.303	5.972	14.07
Elem	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	0.301	0.148	4.355	2.958	1.848	10.86	-0.016	6.958	14.24
Stddev	.0018	.0036	.014	.0009	.003	.09	.0021	.0021	.03
%RSD	6.134	24.12	.3229	.2885	.1593	.7854	126.6	.2999	.2440
#1	.0308	.0178	4.339	.2959	1.845	10.96	-0.040	6.977	14.28
#2	.0316	.0108	4.363	.2966	1.847	10.85	-0.009	6.962	14.23
#3	.0280	.0158	4.363	.2949	1.851	10.79	.0000	6.936	14.22
Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710					
Avg	2493.0	6063.9	47087.	4345.1					
Stddev	3.3	13.6	152.	25.9					
%RSD	.13287	.22372	.32219	.59559					
#1	2495.8	6079.4	46914.	4336.4					
#2	2489.3	6058.4	47197.	4374.2					
#3	2493.8	6054.0	47151.	4324.7					

Sample Name: CCV Acquired: 3/11/2016 8:19:40 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.530	39.84	2.087	2.027	2.012	39.14	2.087	2.075	2.039
Stddev	.0001	.06	.004	.004	.002	.07	.004	.002	.004
%RSD	.0409	.1393	.2063	.1915	.0985	.1860	.1826	.0727	.2045
#1	.2529	39.89	2.091	2.030	2.010	39.16	2.090	2.077	2.044
#2	.2530	39.86	2.082	2.023	2.014	39.06	2.089	2.075	2.039
#3	.2531	39.78	2.087	2.029	2.011	39.20	2.083	2.074	2.035

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.040	39.03	40.08	38.40	2.080	2.098	40.95	2.108	2.033
Stddev	.007	.05	.11	.13	.002	.001	.03	.004	.002
%RSD	.3588	.1403	.2846	.3283	.1167	.0493	.0718	.1869	.0941
#1	2.031	39.07	39.95	38.47	2.082	2.099	40.91	2.111	2.031
#2	2.043	39.04	40.14	38.48	2.079	2.097	40.97	2.109	2.035
#3	2.045	38.97	40.15	38.26	2.077	2.098	40.95	2.103	2.034

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.106	2.080	2.043	2.087	2.088	2.100	2.079	2.090	2.023
Stddev	.003	.008	.003	.003	.001	.001	.004	.002	.007
%RSD	.1274	.3928	.1359	.1179	.0508	.0656	.1908	.1098	.3399
#1	2.106	2.075	2.044	2.089	2.087	2.100	2.074	2.092	2.027
#2	2.103	2.089	2.040	2.089	2.087	2.099	2.082	2.090	2.027
#3	2.108	2.076	2.045	2.084	2.089	2.102	2.080	2.088	2.015

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Sample Name: CCV Acquired: 3/11/2016 8:19:40 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2481.7	5219.8	41079.	3738.9
Stddev	11.2	17.6	79.	4.5
%RSD	.44995	.33789	.19262	.12031
#1	2490.1	5227.7	40988.	3742.7
#2	2486.0	5232.1	41125.	3740.1
#3	2469.0	5199.6	41125.	3733.9

Sample Name: CCB Acquired: 3/11/2016 8:23:51 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0069	-.0003	.0002	.0000	.0013	.0000	.0000	.0001
Stddev	.0001	.0021	.0006	.0001	.0001	.0012	.0000	.0000	.0001
%RSD	28.31	30.73	178.7	29.64	1475.	94.92	1530.	55.50	51.97
#1	.0003	.0077	-.0010	.0003	.0001	.0019	.0000	.0000	.0002
#2	.0005	.0045	-.0001	.0002	.0000	-.0001	.0000	.0000	.0001
#3	.0003	.0086	.0001	.0002	.0000	.0020	.0000	.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0148	.0802	.0210	.0001	.0007	.0241	.0000	.0000
Stddev	.0003	.0059	.0245	.0317	.0000	.0002	.0019	.0002	.0007
%RSD	57.45	40.17	30.53	150.6	16.18	26.77	7.693	973.5	2242.
#1	.0007	.0210	.0538	-.0147	.0001	.0009	.0260	-.0001	-.0006
#2	.0002	.0092	.0846	.0457	.0001	.0007	.0241	.0002	-.0001
#3	.0005	.0142	.1022	.0320	.0001	.0005	.0223	.0000	.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0014	.0012	.0030	-.0002	.0001	.0009	.0001	.0002	-.0002
Stddev	.0004	.0014	.0004	.0001	.0001	.0001	.0003	.0000	.0001
%RSD	32.31	116.2	14.06	70.68	75.93	12.87	217.9	.6687	31.67
#1	-.0010	.0005	.0031	-.0001	.0002	.0011	.0001	.0002	-.0003
#2	-.0014	.0027	.0034	-.0001	.0001	.0009	.0004	.0002	-.0002
#3	-.0018	.0002	.0026	-.0003	.0001	.0009	-.0002	.0002	-.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/11/2016 8:23:51 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2912.6	5466.9	43150.	3795.7
Stddev	2.6	9.1	60.	17.3
%RSD	.08948	.16574	.13969	.45577
#1	2909.7	5466.1	43219.	3804.4
#2	2914.8	5458.2	43121.	3807.0
#3	2913.3	5476.2	43109.	3775.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30094-D1 Acquired: 3/11/2016 8:28:24 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0271	228.5	.2303	7.702	.0081	137.0	.0641	.1628	.8560
Stddev	.0012	1.2	.0011	.040	.0002	.9	.0001	.0004	.0062
%RSD	4.493	.5467	.4770	.5214	2.225	.6372	.1658	.2315	.7191
#1	.0258	229.9	.2305	7.746	.0083	138.0	.0640	.1629	.8530
#2	.0283	227.6	.2314	7.667	.0079	136.5	.0641	.1632	.8520
#3	.0273	227.9	.2292	7.694	.0081	136.4	.0642	.1624	.8631

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.632	401.9	66.60	83.61	7.041	.0389	4.417	5.072	F 10.16
Stddev	.004	1.9	.59	.67	.039	.0007	.040	.0011	.05
%RSD	.2557	.4678	.8862	.8044	.5576	1.821	.9056	.2236	.4856
#1	1.631	404.0	67.28	84.38	6.998	.0389	4.451	.5085	10.19
#2	1.636	400.7	66.27	83.15	7.049	.0396	4.373	.5067	10.19
#3	1.628	400.8	66.25	83.30	7.076	.0382	4.426	.5063	10.10

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0250	.0045	4.156	.2125	1.290	F 10.67	-.0009	.6662	F 12.42
Stddev	.0019	.0019	.006	.0008	.005	.07	.0005	.0027	.04
%RSD	7.472	40.73	.1372	.3715	.4090	6543	52.51	3.979	.3306
#1	.0232	.0067	4.159	.2126	1.297	10.65	-.0010	.6632	12.44
#2	.0269	.0037	4.149	.2117	1.287	10.60	-.0004	.6670	12.45
#3	.0247	.0033	4.159	.2132	1.287	10.74	-.0014	.6683	12.37

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2530.2	6105.3	47792.	4381.6
Stddev	9.0	2.9	183.	36.7
%RSD	.35383	.04776	.38328	.83795
#1	2526.5	6108.1	47922.	4339.5
#2	2523.7	6105.5	47872.	4398.3
#3	2540.4	6102.3	47583.	4407.0

Sample Name: MP30094-SD1 Acquired: 3/11/2016 8:32:57 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0719	263.1	.3183	10.73	.0086	252.1	.0840	.1780	1.284
Stddev	.0041	1.2	.0029	.06	.0008	.9	.0006	.0017	.005
%RSD	5.736	.4403	.9003	.5635	9.458	.3726	.7571	.9383	.3838
#1	.0766	261.8	.3153	10.66	.0094	251.6	.0844	.1790	1.279
#2	.0701	264.0	.3184	10.78	.0078	251.5	.0843	.1761	1.284
#3	.0689	263.5	.3211	10.73	.0085	253.2	.0833	.1790	1.289

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.375	497.4	75.77	99.46	9.446	.0523	5.891	6.996	14.32
Stddev	.013	1.7	.13	.79	.031	.0011	.022	.0021	.03
%RSD	.5287	.3414	.1775	.7966	.3259	2.040	.3782	.2985	.2103
#1	2.374	496.0	75.62	99.03	9.473	.0522	5.888	.7014	14.36
#2	2.363	496.9	75.86	98.98	9.412	.0514	5.914	.7002	14.32
#3	2.388	499.3	75.84	100.4	9.454	.0535	5.870	.6973	14.30

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0079	.0043	6.414	.3490	2.078	13.16	.0002	.7972	17.05
Stddev	.0037	.0012	.010	.0028	.005	.03	.0061	.0072	.03
%RSD	46.80	27.24	.1532	.8007	.2477	.2390	3090.	.9052	.1589
#1	.0073	.0031	6.421	.3467	2.072	13.17	-.0049	.8048	17.06
#2	.0118	.0044	6.418	.3481	2.081	13.13	-.0015	.7904	17.07
#3	.0045	.0055	6.403	.3521	2.081	13.19	.0069	.7964	17.02

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2727.9	5602.4	43595.	3904.6
Stddev	4.2	13.3	197.	33.7
%RSD	.15463	.23742	.45200	.86295
#1	2730.0	5615.2	43384.	3919.6
#2	2723.0	5588.6	43775.	3928.2
#3	2730.6	5603.3	43625.	3866.0

Sample Name: MP30094-PS1 Acquired: 3/11/2016 8:37:16 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	1088	236.9	3860	F 9.929	0.543	225.7	1.186	1.937	1.143
Stddev	.0011	.3	.0030	.015	.0003	.7	.0002	.0007	.004
%RSD	1.054	.1082	.7774	.1522	.5183	.3106	.1279	.3442	.3144
#1	.1098	236.6	.3826	9.936	.0540	224.9	.1188	1.930	1.139
#2	.1075	236.9	.3883	9.912	.0544	226.3	.1186	1.938	1.146
#3	.1091	237.1	.3871	9.940	.0545	225.8	.1185	1.943	1.144
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.210	426.9	77.20	92.06	7.851	1.375	14.72	6.808	F 14.05
Stddev	.009	1.4	.17	.68	.052	.0001	.05	.0014	.03
%RSD	.4284	.3271	.2258	.7403	.6649	.1049	.3307	.2004	.2072
#1	2.213	425.3	77.24	91.32	7.836	1.376	14.69	6.821	14.08
#2	2.199	427.9	77.00	92.67	7.910	1.374	14.70	6.811	14.02
#3	2.217	427.6	77.35	92.18	7.808	1.376	14.78	6.794	14.05
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.289	1.053	4.376	3.347	1.887	F 10.87	0.981	7.347	F 14.26
Stddev	.0027	.0056	.006	.0029	.004	.03	.0048	.0020	.04
%RSD	2.068	5.273	.1480	.8526	.1839	.2404	4.912	2.658	2.652
#1	.1275	.1053	4.370	.3314	1.884	10.85	.0952	7.325	14.23
#2	.1272	.1108	4.383	.3358	1.886	10.90	.1037	7.362	14.27
#3	.1320	.0997	4.377	.3368	1.891	10.86	.0955	7.354	14.30
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2468.4	6033.1	4694.3	4291.4					
Stddev	3.5	14.5	90.	26.6					
%RSD	.14355	.24056	.19092	.62033					
#1	2464.4	6041.8	4697.2	4312.6					
#2	2469.9	6016.4	4684.2	4261.5					
#3	2471.0	6041.2	4701.5	4300.0					

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7.1

7

Sample Name: MP30094-S1 Acquired: 3/11/2016 8:41:49 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.695	266.9	2.122	F 10.39	0.570	162.4	1.113	6.253	1.074
Stddev	.0004	.9	.001	.03	.0005	.6	.0004	.0006	.003
%RSD	.5704	.3501	.0411	.3164	.8404	.3849	.3679	.0993	.3040
#1	.0693	266.5	2.122	10.39	.0570	162.2	1.109	6.248	1.073
#2	.0699	267.9	2.121	10.42	.0575	163.2	1.113	6.260	1.078
#3	.0692	266.2	2.123	10.36	.0566	162.0	1.117	6.253	1.071
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.950	425.8	92.93	108.1	F 8.191	4.804	29.80	1.000	F 10.88
Stddev	.011	1.3	.35	.5	.019	.0005	.01	.0004	.01
%RSD	.5655	.3007	.3741	4.508	.2328	.1006	.0503	.0389	.1361
#1	1.938	425.7	92.69	108.0	8.205	4.803	29.80	1.000	10.87
#2	1.953	427.2	93.33	108.6	8.200	4.800	29.81	9995	10.90
#3	1.960	424.6	92.78	107.7	8.170	4.810	29.78	1.000	10.87
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.601	1.906	4.195	6.772	1.857	F 11.42	2.079	1.114	F 13.18
Stddev	.0024	.004	.006	.0021	.004	.08	.003	.003	.04
%RSD	1.497	.1822	.1406	.3135	.2292	.7100	.1486	.2246	.2945
#1	.1588	1.903	4.188	6.779	1.856	11.46	2.081	1.115	13.20
#2	.1628	1.910	4.198	6.790	1.861	11.48	2.076	1.116	13.20
#3	.1585	1.905	4.199	6.749	1.853	11.33	2.080	1.111	13.14
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2454.6	6008.6	4682.9	4325.6					
Stddev	4.8	12.1	136.	23.9					
%RSD	.19447	.20115	.29098	.55292					
#1	2454.5	6002.3	4667.3	4350.5					
#2	2449.9	6001.0	4689.1	4302.8					
#3	2459.4	6022.6	4692.4	4323.7					

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Sample Name: MP30094-S2 Acquired: 3/11/2016 8:46:18 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.724	255.4	2.079	F 11.28	0.546	221.3	1.245	6.045	1.114
Stddev	.0013	.5	.002	.11	.0002	.6	.0001	.0007	.004
%RSD	1.826	.2037	.0964	.9677	.3472	.2681	.1063	.1078	.3503
#1	.0718	255.5	2.080	11.33	.0546	221.9	1.246	6.045	1.115
#2	.0714	255.8	2.080	11.35	.0544	221.0	1.244	6.051	1.118
#3	.0739	254.8	2.077	11.15	.0548	220.8	1.247	6.038	1.110
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.182	420.2	88.04	109.0	F 8.673	4.695	29.14	1.026	F 12.77
Stddev	.005	.8	.18	.4	.067	.0007	.09	.002	.05
%RSD	.2499	.1964	.2033	.3712	.7749	.1495	.3153	.1543	.3796
#1	2.180	420.8	88.13	109.4	8.750	4.687	29.22	1.026	12.82
#2	2.178	420.6	88.14	108.7	8.624	4.699	29.17	1.028	12.73
#3	2.188	419.3	87.83	108.9	8.646	4.699	29.04	1.025	12.75
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.583	1.845	3.809	6.775	2.327	F 10.51	1.983	1.076	F 14.81
Stddev	.0003	.005	.014	.0014	.007	.03	.007	.002	.03
%RSD	.2141	.2614	.3740	.2026	.3049	.2505	.3342	.2255	.1802
#1	.1579	1.841	3.795	6.785	2.328	10.52	1.989	1.076	14.84
#2	.1584	1.850	3.824	6.780	2.335	10.53	1.984	1.079	14.79
#3	.1586	1.846	3.807	6.759	2.320	10.48	1.976	1.074	14.80
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2462.3	6022.3	4727.1	4379.2					
Stddev	5.3	10.6	219.	6.6					
%RSD	.21447	.17615	.46429	.15039					
#1	2456.4	6031.0	4705.0	4384.7					
#2	2466.7	6010.5	4727.4	4380.8					
#3	2463.8	6025.3	4748.9	4371.9					

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Sample Name: FA32068-1 Acquired: 3/11/2016 8:50:51 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.122	279.7	1.071	3.462	0.112	112.3	0.337	1.817	7.067
Stddev	.0006	.4	.0008	.005	.0001	.5	.0002	.0004	.0028
%RSD	4.760	.1391	.7025	.1546	.7664	.4040	.4876	.2038	.4021
#1	.0126	279.8	1.079	3.461	.0113	112.7	.0336	1.821	7.099
#2	.0125	279.3	1.064	3.456	.0111	112.2	.0337	1.814	7.059
#3	.0116	280.1	1.069	3.467	.0112	111.9	.0339	1.814	7.044
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	8.896	417.3	93.12	101.7	F 8.652	0.296	7.303	4.549	1.829
Stddev	.0022	1.3	.13	.2	.025	.0007	.014	.0004	.005
%RSD	.2518	.3213	.1367	.1948	.2873	2.411	.1947	.0780	.2723

Sample Name: FA32068-2 Acquired: 3/11/2016 8:55:25 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0491	249.2	1.379	5.919	.0101	133.2	.0506	1.559	.9319
Stddev	.0011	3.1	.0031	.054	.0001	2.0	.0003	.0004	.0106
%RSD	2.306	1.254	2.219	.9078	1.340	1.521	.6003	.2288	1.135
#1	.0504	248.8	.1382	5.907	.0102	132.8	.0506	1.563	.9347
#2	.0482	252.6	.1348	5.978	.0101	135.5	.0503	1.557	.9202
#3	.0487	246.4	.1409	5.872	.0100	131.5	.0509	1.556	.9408
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.109	416.7	77.61	94.83	7.432	0.383	7.384	4.647	3.593
Stddev	.013	5.6	1.02	1.82	.102	.0006	.087	.0014	.017
%RSD	1.124	1.346	1.308	1.918	1.378	1.441	1.179	.2912	.4722
#1	1.112	415.8	77.48	94.40	7.441	.0385	7.385	4.658	3.609
#2	1.096	422.7	78.68	96.83	7.326	.0377	7.471	4.651	3.575
#3	1.120	411.6	76.67	93.27	7.530	.0387	7.297	4.631	3.594
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0101	.0002	3.830	2.157	1.616	9.854	.0016	.7620	6.486
Stddev	.0024	.0009	.005	.0005	.017	.079	.0005	.0078	.013
%RSD	24.14	454.9	.1442	.2452	1.020	8.053	33.88	1.024	1.958
#1	.0076	.0007	3.836	2.157	1.614	9.899	.0018	.7655	6.498
#2	.0102	.0008	3.827	2.163	1.633	9.762	.0020	.7531	6.473
#3	.0125	.0009	3.826	2.152	1.600	9.901	.0010	.7675	6.489
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2524.0	6391.1	4993.4	4633.7					
Stddev	6.5	3.8	493.	87.0					
%RSD	.25873	.05939	.98659	1.8772					
#1	2519.6	6391.3	49672.	4676.6					
#2	2531.5	6394.9	50502.	4533.6					
#3	2520.9	6387.3	49628.	4691.0					

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Sample Name: FA32068-3 Acquired: 3/11/2016 8:59:57 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0130	326.9	.1127	3.428	.0129	101.9	.0285	1.876	.7215
Stddev	.0013	1.4	.0018	.013	.0001	.6	.0004	.0005	.0023
%RSD	10.04	4.185	1.617	.3889	.7056	.5871	1.263	.2847	.3219
#1	.0131	325.3	.1129	3.413	.0128	101.2	.0289	1.880	.7196
#2	.0143	327.7	.1144	3.431	.0130	102.2	.0285	1.879	.7241
#3	.0117	327.6	.1108	3.440	.0129	102.2	.0282	1.870	.7209
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.041	462.5	99.75	113.8	8.612	0.249	5.237	4.561	1.779
Stddev	.002	2.2	.38	.6	.032	.0003	.020	.0011	.002
%RSD	.2121	.4698	.3771	.5214	.3692	1.171	.3810	.2399	.0939
#1	1.041	460.1	99.34	113.1	8.625	.0252	5.234	4.564	1.780
#2	1.039	464.1	99.83	114.2	8.635	.0248	5.258	4.570	1.777
#3	1.044	463.4	100.1	114.0	8.576	.0246	5.219	4.549	1.779
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0127	-.0078	3.763	.0831	1.135	15.50	-.0026	.8887	3.609
Stddev	.0024	.0035	.005	.0002	.003	.03	.0048	.0027	.011
%RSD	18.76	44.12	.1213	.2365	.2793	2.195	186.7	3.069	.3148
#1	.0143	-.0117	3.768	.0828	1.132	15.46	-.0037	.8893	3.620
#2	.0139	-.0068	3.763	.0832	1.138	15.52	-.0068	.8911	3.611
#3	.0100	-.0050	3.759	.0832	1.136	15.51	.0027	.8858	3.597
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2510.5	6597.1	51586.	4809.9					
Stddev	2.6	6.2	136.	9.2					
%RSD	.10303	.09326	.26273	.19037					
#1	2507.9	6590.1	51499.	4819.9					
#2	2513.1	6600.2	51516.	4802.0					
#3	2510.6	6601.2	51742.	4807.7					

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7.1
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Sample Name: FA32068-4 Acquired: 3/11/2016 9:04:31 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0021	304.6	.1077	3.602	.0117	83.68	.0200	1.520	.5637
Stddev	.0003	.2	.0026	.005	.0001	.16	.0002	.0007	.0006
%RSD	13.04	.0714	2.418	.1300	1.094	.1936	1.060	.4551	.1066
#1	.0018	304.9	.1080	3.600	.0118	83.76	.0198	1.527	.5640
#2	.0024	304.5	.1101	3.598	.0115	83.78	.0199	1.513	.5642
#3	.0022	304.5	.1049	3.607	.0117	83.49	.0202	1.519	.5630
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7594	427.7	88.99	102.4	6.147	0.240	7.498	3.954	2.397
Stddev	.0033	1.4	.04	.5	.026	.0003	.015	.0010	.004
%RSD	4.366	.3327	.0506	.5245	.4255	1.252	1.969	2.405	1.856
#1	.7590	429.2	89.04	102.8	6.118	.0237	7.497	3.965	2.398
#2	.7563	427.2	88.97	102.6	6.168	.0243	7.484	3.948	2.392
#3	.7629	426.5	88.96	101.8	6.157	.0240	7.514	3.950	2.400
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0121	-.0068	3.876	.0689	.9119	15.36	-.0016	.8237	3.458
Stddev	.0022	.0015	.013	.0006	.0028	.04	.0011	.0010	.010
%RSD	18.16	21.79	.3398	.8915	.3016	2.586	70.66	1.275	2.997
#1	.0097	-.0085	3.890	.0692	.9134	15.39	-.0029	.8243	3.469
#2	.0127	-.0058	3.864	.0682	.9087	15.36	-.0008	.8225	3.448
#3	.0139	-.0060	3.874	.0693	.9135	15.31	-.0011	.8244	3.458
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2546.5	6549.6	51208.	4707.4					
Stddev	9.8	26.5	134.	21.3					
%RSD	.38374	.40477	.26121	.45175					
#1	2539.6	6521.5	51338.	4717.8					
#2	2557.7	6574.1	51215.	4682.9					
#3	2542.3	6553.4	51071.	4721.4					

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Sample Name: FA32068-5 Acquired: 3/11/2016 9:09:05 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0151	255.1	.1039	3.281	.0110	135.0	.0335	1.617	.6494
Stddev	.0008	.8	.0003	.003	.0001	.3	.0003	.0003	.0011
%RSD	5.403	3.189	2.777	.0750	1.203	2.309	1.014	2.141	1.708
#1	.0147	254.9	.1038	3.279	.0111	134.9	.0334	1.613	.6503
#2	.0146	256.0	.1036	3.283	.0109	135.4	.0331	1.618	.6482
#3	.0161	254.4	.1042	3.282	.0109	134.8	.0338	1.620	.6499
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.8905	404.5	82.74	110.0	7.727	0.265	4.310	4.351	1.565
Stddev	.0041	1.4	.14	.6	.042	.0001	.021	.0009	.007
%RSD	.4641	.3458	.1704	.5762	.5411	4.775	.4866	2.042	.4822
#1	.8889	404.2	82.59	109.6	7.731	.0267	4.293	4.344	1.559
#2	.8952	406.1	82.76	110.8	7.683	.0265	4.333	4.349	1.562
#3	.8874	403.3	82.87	109.7	7.766	.0264	4.303	4.361	1.573
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn20

Sample Name: CCV Acquired: 3/11/2016 9:13:38 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2535	39.58	2.093	2.043	1.999	38.80	2.079	2.075	2.011
Stddev	.0005	.16	.007	.007	.006	.11	.004	.004	.012
%RSD	.2107	.3953	.3173	.3239	.3204	.2841	.1951	.2038	.6091
#1	.2537	39.58	2.088	2.046	2.000	38.89	2.076	2.074	2.025
#2	.2540	39.42	2.100	2.036	1.992	38.68	2.083	2.080	2.002
#3	.2529	39.73	2.091	2.048	2.004	38.83	2.078	2.071	2.006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.053	38.66	40.07	37.73	2.038	2.098	40.83	2.104	2.016
Stddev	.007	.11	.11	.06	.011	.003	.11	.003	.004
%RSD	.3392	.2746	.2858	.1498	.5219	.1247	.2652	.1630	.2116
#1	2.058	38.63	40.06	37.67	2.026	2.096	40.88	2.101	2.011
#2	2.045	38.56	39.96	37.74	2.043	2.100	40.70	2.108	2.018
#3	2.056	38.77	40.19	37.78	2.046	2.097	40.90	2.104	2.018

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.118	2.099	2.056	2.082	2.085	2.087	2.055	2.075	2.004
Stddev	.004	.004	.004	.002	.006	.007	.005	.007	.006
%RSD	.2091	.1868	.1913	.0991	.2756	.3142	.2477	.3392	.2913
#1	2.118	2.097	2.056	2.080	2.086	2.094	2.050	2.082	2.000
#2	2.122	2.103	2.060	2.084	2.078	2.082	2.061	2.068	2.011
#3	2.113	2.095	2.052	2.082	2.090	2.084	2.055	2.073	2.002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/11/2016 9:13:38 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2495.1	5233.3	41616.	3852.0
Stddev	4.0	12.6	138.	17.0
%RSD	.16006	.24029	.33186	.44131
#1	2499.7	5238.7	41459.	3838.7
#2	2492.2	5218.9	41719.	3871.1
#3	2493.6	5242.2	41670.	3846.1

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.118	2.099	2.056	2.082	2.085	2.087	2.055	2.075	2.004
Stddev	.004	.004	.004	.002	.006	.007	.005	.007	.006
%RSD	.2091	.1868	.1913	.0991	.2756	.3142	.2477	.3392	.2913
#1	2.118	2.097	2.056	2.080	2.086	2.094	2.050	2.082	2.000
#2	2.122	2.103	2.060	2.084	2.078	2.082	2.061	2.068	2.011
#3	2.113	2.095	2.052	2.082	2.090	2.084	2.055	2.073	2.002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 3/11/2016 9:17:50 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0039	-0.015	.0001	.0000	.0003	.0000	.0001	.0001
Stddev	.0006	.0060	.0002	.0003	.000	.0056	.0000	.0001	.0000
%RSD	89.37	154.8	10.02	280.2	372.6	1799.	16.26	100.5	93.06
#1	.0004	.0100	-0.016	.0002	.0000	.0068	.0000	.0001	.0001
#2	.0003	-0.0021	-0.014	-0.002	.0000	-0.029	.0000	.0001	.0000
#3	.0013	.0038	-0.016	.0004	-0.001	-0.029	.0000	.0000	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0189	.0600	-0.046	.0001	.0007	.0381	.0001	-0.0001
Stddev	.0001	.0019	.0719	.0239	.0000	.0002	.0068	.0001	.0002
%RSD	22.35	10.28	119.9	515.6	18.43	26.22	17.75	137.1	295.3
#1	.0006	.0209	.0704	-0.0323	.0001	.0009	.0332	.0001	-0.0001
#2	.0004	.0187	.1261	.0089	.0001	.0006	.0352	.0000	.0001
#3	.0004	.0171	-0.166	.0095	.0001	.0006	.0458	.0000	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0006	.0009	.0026	-0.0002	.0001	.0011	.0006	.0002	-0.0002
Stddev	.0006	.0006	.0006	.0004	.0001	.0001	.0010	.0001	.0002
%RSD	87.13	66.83	23.55	222.8	168.4	9.486	166.7	37.66	72.31
#1	-0.0012	.0009	.0024	-0.0006	.0000	.0012	-0.0003	.0002	-0.0003
#2	-0.0001	.0003	.0021	-0.0001	.0001	.0011	.0016	.0001	-0.0003
#3	-0.0006	.0015	.0033	.0002	.0000	.0010	.0005	.0003	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/11/2016 9:17:50 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2926.9	5482.3	43621.	3837.9
Stddev	3.6	2.2	165.	14.5
%RSD	.12439	.04097	.37829	.37870
#1	2922.8	5481.1	43806.	3822.4
#2	2929.8	5484.9	43566.	3840.1
#3	2928.1	5480.8	43490.	3851.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: FA32068-6 Acquired: 3/11/2016 9:22:23 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0158	274.0	.1782	5.451	.0101	165.7	.0523	1.649	.7200
Stddev	.0009	.6	.0003	.006	.0001	.2	.0000	.0002	.0034
%RSD	5.562	.2009	.1735	.1023	.7578	.1042	.0324	.0990	.4725
#1	.0152	273.9	.1780	5.456	.0100	165.5	.0523	1.650	.7218
#2	.0155	273.5	.1785	5.450	.0100	165.9	.0523	1.647	.7222
#3	.0168	274.6	.1780	5.445	.0101	165.6	.0523	1.649	.7161
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.422	454.3	80.18	98.58	6.879	.0421	13.69	4.384	4.099
Stddev	.003	.7	.11	.27	.023	.0005	.02	.0011	.020
%RSD	.1740	.1538	.1323	.2779	.3283	1.120	.1379	.2537	.4800
#1	1.423	454.4	80.10	98.87	6.891	.0423	13.70	4.395	4.109
#2	1.419	453.5	80.14	98.32	6.893	.0415	13.67	4.373	4.111
#3	1.423	454.9	80.30	98.55	6.853	.0423	13.71	4.385	4.076
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0171	.0130	4.077	.1501	1.621	F 11.79	.0009	.7944	6.784
Stddev	.0020	.0025	.007	.0003	.003	.04	.0008	.0018	.028
%RSD	11.59	19.36	.1675	.2127	.2098	.2995	97.67	2.272	.4192
#1	.0149	.0108	4.079	.1498	1.624	11.83	.0000	.7960	6.810
#2	.0178	.0157	4.070	.1502	1.617	11.76	.0010	.7949	6.789
#3	.0187	.0125	4.083	.1504	1.622	11.78	.0017	.7924	6.754
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2498.5	6272.2	4912.0	4510.4					
Stddev	8.1	7.4	129.	11.4					
%RSD	.32604	.11782	.26221	.25175					
#1	2490.9	6263.6	4898.7	4497.6					
#2	2497.4	6276.3	49131.	4514.6					
#3	2507.1	6276.6	49244.	4519.1					

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Sample Name: FA32068-7 Acquired: 3/11/2016 9:26:57 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0255	245.9	.1660	6.519	.0086	244.3	.0852	1.501	.8547
Stddev	.0007	.9	.0013	.012	.0001	.9	.0003	.0003	.0036
%RSD	2.824	.3654	.7571	.1883	1.586	.3796	.3129	.1892	.4256
#1	.0259	244.9	.1655	6.505	.0087	243.8	.0852	1.504	.8507
#2	.0260	246.1	.1651	6.524	.0086	243.9	.0855	1.499	.8578
#3	.0247	246.7	.1675	6.528	.0084	245.4	.0850	1.501	.8556
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.795	446.1	88.00	96.51	7.283	.0338	16.88	4.783	F 11.36
Stddev	.004	1.6	.17	.27	.038	.0004	.07	.0009	.02
%RSD	.2451	.3543	.1897	.2786	.5175	1.128	.3858	.1870	.1611
#1	1.793	444.7	87.82	96.30	7.276	.0342	16.81	4.784	11.36
#2	1.800	445.7	88.07	96.42	7.324	.0338	16.88	4.792	11.34
#3	1.792	447.8	88.13	96.81	7.250	.0334	16.94	4.774	11.38
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0291	.0063	4.320	.2973	1.840	F 11.61	.0015	.7372	F 9.389
Stddev	.0035	.0042	.016	.0014	.007	.08	.0008	.0008	.025
%RSD	12.05	67.64	.3583	.4796	.3687	6.475	53.32	1.052	.2685
#1	.0281	.0110	4.310	.2976	1.833	11.53	.0015	.7363	9.418
#2	.0329	.0029	4.338	.2986	1.840	11.68	.0007	.7376	9.373
#3	.0261	.0049	4.313	.2958	1.847	11.61	.0023	.7378	9.375
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2476.5	6051.3	4748.1	4377.6					
Stddev	4.8	8.9	214.	18.4					
%RSD	.19300	.14659	.45038	.41955					
#1	2480.5	6055.6	47609.	4387.4					
#2	2477.8	6041.1	47234.	4389.0					
#3	2471.2	6057.2	47601.	4356.4					

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Sample Name: FA32068-8 Acquired: 3/11/2016 9:31:31 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0304	227.3	.1589	6.091	.0080	235.2	.0979	1.393	.8592
Stddev	.0010	.6	.0010	.039	.0001	.9	.0003	.0005	.0026
%RSD	3.254	.2661	.6164	.6378	1.248	.3697	.3216	.3500	.3071
#1	.0315	227.5	.1580	6.076	.0080	236.1	.0977	1.394	.8576
#2	.0295	227.9	.1587	6.135	.0080	235.3	.0978	1.388	.8623
#3	.0303	226.7	.1599	6.062	.0081	234.3	.0983	1.398	.8577
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.830	445.8	80.90	89.68	6.573	.0335	30.27	4.374	5.241
Stddev	.011	.6	.28	.44	.036	.0002	.07	.0004	.007
%RSD	.6024	.1342	.3442	.4919	.5413	.5175	.2404	.0980	.1272
#1	1.824	446.2	81.07	90.19	6.546	.0335	30.28	4.373	5.234
#2	1.842	446.0	81.05	89.45	6.613	.0334	30.33	4.371	5.245
#3	1.822	445.1	80.58	89.41	6.559	.0337	30.19	4.379	5.245
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0198	.0139	4.681	.3038	1.915	F 10.64	-.0006	.6777	F 9.235
Stddev	.0035	.0044	.005	.0002	.007	.05	.0054	.0017	.007
%RSD	17.83	32.08	.1009	.0589	.3887	.4425	952.5	2.571	.0753
#1	.0166	.0180	4.684	.3038	1.908	10.60	-.0013	.6791	9.234
#2	.0192	.0144	4.684	.3036	1.923	10.69	-.0055	.6783	9.228
#3	.0236	.0091	4.676	.3039	1.914	10.63	.0051	.6757	9.242
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2478.0	5972.5	47137.	4354.8					
Stddev	4.9	9.2	120.	37.4					
%RSD	.19857	.15444	.25401	.85955					
#1	2483.5	5982.1	47215.	4313.4					
#2	2473.9	5963.6	46999.	4364.5					
#3	2476.7	5971.8	47198.	4386.4					

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Sample Name: FA32068-10 Acquired: 3/11/2016 9:36:04 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0060	348.7	.1150	3.862	.0142	107.0	.0218	2.064	.6497
Stddev	.0004	2.4	.0008	.029	.0000	.7	.0005	.0005	.0022
%RSD	6.082	.6759	.6604	.7430	.3439	.6655	2.493	2.420	.3322
#1	.0060	345.9	.1147	3.829	.0141	106.2	.0225	2.070	.6505
#2	.0064	350.2	.1143	3.872	.0141	107.2	.0215	2.063	.6473
#3	.0057	349.9	.1158	3.884	.0142	107.5	.0215	2.060	.6513
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.8243	496.5	107.3	125.9	F 9.308	.0259	7.114	4.957	.8739
Stddev	.0011	2.9	.8	.6	.063	.0001	.043	.0014	.0034
%RSD	.1342	.5911	.7179	.4418	.6752	.1965	.6053	.2828	.3879
#1	.8237	493.1	106.4	125.3	9.340	.0259	7.065	4.960	

Sample Name: FA32068-11 Acquired: 3/11/2016 9:40:39 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	333.2	.0996	3.593	.0134	96.45	.0191	1.995	.5722
Stddev	.0010	.7	.0023	.006	.0001	.20	.0001	.0007	.0012
%RSD	568.0	.1970	2.310	.1817	1.026	.2086	.5071	.3259	.2066
#1	-.0013	334.0	.0970	3.598	.0132	96.58	.0192	2.001	.5726
#2	-.0002	332.9	.1014	3.595	.0134	96.56	.0190	1.988	.5709
#3	.0006	332.8	.1003	3.585	.0135	96.22	.0191	1.995	.5732
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6639	470.1	113.6	120.0	F 8.878	.0290	6.602	4.815	.2567
Stddev	.0031	.5	.3	.5	.037	.0004	.005	.0014	.0021
%RSD	.4607	.1038	.2215	.4560	.4168	1.327	.0831	.2857	.8118
#1	.6605	470.7	113.9	120.5	8.848	.0291	6.604	4.830	.2579
#2	.6665	469.7	113.4	120.0	8.868	.0294	6.596	4.803	.2543
#3	.6646	469.9	113.6	119.5	8.919	.0286	6.607	4.812	.2580
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0031	-0.063	3.658	.0246	1.174	F 13.84	.0004	.8979	1.658
Stddev	.0007	.0028	.009	.0006	.000	.06	.0023	.0007	.004
%RSD	21.91	44.25	.2319	2.603	.0280	4.632	517.1	0.805	.2509
#1	.0031	-.0074	3.666	.0239	1.174	13.76	.0028	.8983	1.662
#2	.0024	-.0032	3.659	.0251	1.174	13.87	.0003	.8983	1.654
#3	.0038	-.0085	3.649	.0248	1.175	13.88	-.0018	.8971	1.656
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2503.1	6841.8	53940.	4991.5					
Stddev	7.5	10.5	282.	13.2					
%RSD	.29986	.15320	.52272	.26476					
#1	2496.1	6829.7	54179.	4979.3					
#2	2502.4	6848.4	54011.	5005.5					
#3	2511.0	6847.2	53629.	4989.6					

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Sample Name: FA32068-12 Acquired: 3/11/2016 9:45:13 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0005	331.4	.0995	3.542	.0139	98.69	.0191	1.282	.5805
Stddev	.0001	.5	.0007	.003	.0002	.27	.0003	.0002	.0015
%RSD	25.85	.1394	.6853	.0864	1.131	.2780	1.529	.0830	.2526
#1	.0004	331.5	.0989	3.543	.0138	98.75	.0187	.2081	.5816
#2	.0006	330.9	.1002	3.539	.0138	98.40	.0193	.2084	.5788
#3	.0006	331.8	.0993	3.545	.0140	98.94	.0192	.2081	.5810
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6130	480.4	112.8	122.5	F 9.140	.0311	7.853	4.905	.2008
Stddev	.0016	1.4	.1	.3	.045	.0007	.027	.0010	.0006
%RSD	.2539	.2877	.0851	.2856	.4922	2.283	.3488	.2116	.2910
#1	.6136	481.3	112.7	122.8	9.192	.0313	7.845	4.898	.2015
#2	.6112	478.8	112.9	122.1	9.117	.0303	7.830	4.917	.2044
#3	.6142	480.9	112.9	122.7	9.111	.0316	7.883	4.900	.2004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0021	-0.008	3.167	.0215	1.196	F 13.23	.0027	.9135	1.483
Stddev	.0020	.0018	.004	.0005	.001	.07	.0033	.0013	.001
%RSD	91.60	21.71	.112	2.524	.0937	5.205	121.4	.1461	.0578
#1	.0013	-.0088	3.167	.0217	1.197	13.28	.0054	.9139	1.483
#2	.0044	-.0094	3.163	.0219	1.195	13.15	-.0009	.9146	1.482
#3	.0007	-.0061	3.170	.0209	1.196	13.26	.0036	.9120	1.484
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2483.8	6862.9	54092.	5022.8					
Stddev	4.5	3.4	165.	20.1					
%RSD	.18010	.04923	.30546	.39954					
#1	2487.9	6866.6	53938.	4999.9					
#2	2484.5	6860.1	54266.	5037.5					
#3	2479.1	6862.1	54071.	5030.9					

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Sample Name: FA32068-13 Acquired: 3/11/2016 9:49:48 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0229	243.6	.1730	5.795	.0087	203.7	.0834	1.551	.8161
Stddev	.0005	.6	.0025	.020	.0002	1.0	.0001	.0002	.0028
%RSD	1.968	.2663	1.438	.3445	2.451	.5080	.1677	.1479	.3481
#1	.0229	243.0	.1723	5.813	.0089	202.6	.0833	1.549	.8192
#2	.0233	243.4	.1709	5.774	.0085	203.7	.0835	1.553	.8135
#3	.0224	244.3	.1757	5.800	.0086	204.7	.0833	1.551	.8156
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.869	455.4	79.11	101.7	F 8.462	.0313	9.719	5.033	5.535
Stddev	.008	1.9	.25	.8	.049	.0004	.016	.0006	.004
%RSD	.4176	.4212	.3184	.7573	.5748	1.295	.1635	.1173	.0796
#1	1.860	453.3	78.97	100.9	8.449	.0309	9.731	.5027	5.535
#2	1.872	455.7	78.95	101.9	8.515	.0316	9.701	.5039	5.539
#3	1.875	457.1	79.40	102.4	8.421	.0316	9.726	.5032	5.531
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0469	.0040	3.701	.2442	1.572	F 10.65	.0002	.7370	F 8.316
Stddev	.0052	.0023	.010	.0010	.003	.08	.0030	.0012	.013
%RSD	11.04	58.21	.2607	.4296	.1562	.7530	1820.	.1569	.1515
#1	.0419	.0058	3.694	.2435	1.569	10.60	-.0033	.7362	8.301
#2	.0523	.0014	3.712	.2438	1.574	10.74	.0020	.7364	8.323
#3	.0465	.0048	3.698	.2454	1.573	10.60	.0019	.7383	8.323
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2501.4	6005.5	47594.	4429.1					
Stddev	.6	2.0	177.	36.0					
%RSD	.02557	.03280	.37139	.81346					
#1	2501.4	6007.6	47663.	4470.7					
#2	2502.0	6005.3	47393.	4408.9					
#3	2500.7	6003.7	47726.	4407.7					

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Sample Name: FA32068-14 Acquired: 3/11/2016 9:54:22 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.1965	231.7	.4777	F 11.28	.0100	144.6	.0888	.1215	5.254
Stddev	.0014	.4	.0010	.13	.0000	.1	.0003	.0003	.009
%RSD	.6964	.1539	.2131	1.166	.2018	.0977	.3361	.2114	.1789
#1	.1980	231.7	.4772	11.43	.0101	144.6	.0888	.1215	5.263
#2	.1952	231.3	.4770	11.19	.0100	144.5	.0890	.1218	5.244
#3	.1965	232.0	.4788	11.22	.0100	144.8	.0885	.1213	5.256
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	4.345	430.5	50.07	53.91	4.478	.1975	10.45	3.575	F 14.96
Stddev	.006	.4	.11	.06	.026	.0004	.07	.0006	.07
%RSD	.1490	.1028	.2148	.1145	.5929	.1915	.6571	.1720	.4935
#1	4.348	431.0	49.98	53.86	4.507	.1975	10.51	.3579	15.01
#2	4.3								

Sample Name: FA32068-15 Acquired: 3/11/2016 9:59:02 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0034	300.0	.1797	3.622	.0118	79.46	.0263	1.844	.8837
Stddev	.0008	.1	.0024	.005	.0000	.17	.0006	.0021	.0026
%RSD	23.52	.0490	1.338	.1312	.1661	.2141	2.372	1.116	.2963
#1	.0035	299.8	.1775	3.626	.0118	79.26	.0257	1.822	.8813
#2	.0041	299.9	.1822	3.617	.0118	79.57	.0262	1.846	.8833
#3	.0025	300.1	.1793	3.622	.0118	79.54	.0270	1.863	.8865
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.134	440.0	101.2	98.05	6.506	12.84	6.268	4.076	6.765
Stddev	.002	.3	.1	.48	.037	.0007	.042	.0041	.0099
%RSD	.1457	.0642	.0494	.4857	.5726	1.033	.6697	1.006	1.457
#1	1.136	440.2	101.2	97.52	6.464	.0689	6.297	4.034	.6651
#2	1.134	439.7	101.2	98.43	6.535	.0693	6.220	4.079	.6819
#3	1.133	440.2	101.3	98.20	6.519	.0703	6.286	4.116	.6825
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0073	.0038	3.855	.0424	.8130	12.84	.0015	9.555	2.922
Stddev	.0043	.0036	.037	.0008	.0029	.06	.0035	.0042	.029
%RSD	58.59	95.27	.9671	1.975	.3543	4.469	224.8	4.403	1.003
#1	.0086	-.0010	3.817	.0415	.8134	12.80	-.0007	9.540	2.888
#2	.0026	-.0025	3.856	.0426	.8099	12.81	-.0053	9.523	2.932
#3	.0109	-.0079	3.891	.0431	.8156	12.91	.0014	9.603	2.944
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2516.1	6643.7	5299.2	4904.9					
Stddev	20.9	55.5	224.	22.7					
%RSD	.83010	.83570	.42268	.46270					
#1	2539.5	6700.1	53153.	4917.6					
#2	2509.6	6642.0	53087.	4878.7					
#3	2499.3	6589.1	52736.	4918.5					

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Sample Name: FA32068-16 Acquired: 3/11/2016 10:03:37 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0286	283.5	.2031	6.800	.0105	210.6	.0624	1.659	1.033
Stddev	.0004	2.5	.0011	.052	.0002	1.3	.0008	.0005	.015
%RSD	1.233	.8684	.5443	.7639	1.657	.5971	1.302	.3236	1.457
#1	.0290	286.3	.2024	6.860	.0103	211.9	.0615	1.652	1.016
#2	.0283	282.2	.2044	6.767	.0106	210.3	.0628	1.662	1.040
#3	.0287	281.9	.2026	6.773	.0105	209.5	.0630	1.662	1.043
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.833	509.4	82.88	102.5	7.471	16.62	4.931	7.493	7.493
Stddev	.012	4.6	.45	.7	.083	.0006	.14	.0013	.046
%RSD	.6664	.8986	.5375	.6856	1.104	.8768	.8458	.2550	.6155
#1	1.819	514.4	83.39	103.2	7.379	.0645	16.78	4.924	7.441
#2	1.841	508.3	82.63	102.5	7.539	.0655	16.54	4.924	7.515
#3	1.839	505.4	82.62	101.8	7.494	.0644	16.53	4.946	7.525
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0207	.0254	5.793	.2412	2.245	11.85	.0032	8.498	7.897
Stddev	.0013	.0021	.023	.0014	.022	.12	.0038	.0111	.040
%RSD	6.275	8.324	.3900	.5821	1.004	.9787	118.3	1.311	.5041
#1	.0196	.0231	5.767	.2397	2.271	11.73	.0072	8.370	7.854
#2	.0204	.0259	5.803	.2425	2.235	11.96	-.0004	8.552	7.933
#3	.0221	.0273	5.809	.2413	2.229	11.87	.0029	8.572	7.905
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2461.7	6176.4	4877.8	4589.3					
Stddev	10.8	17.5	548.	19.7					
%RSD	.43839	.28310	1.1241	.42913					
#1	2473.5	6195.8	4940.9	4567.9					
#2	2459.3	6171.6	4842.7	4593.3					
#3	2452.4	6161.8	4849.6	4606.7					

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Sample Name: CCV Acquired: 3/11/2016 10:08:09 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.555	40.07	2.120	2.061	2.026	39.10	2.098	2.098	2.038
Stddev	.0009	.14	.004	.012	.004	.09	.003	.003	.003
%RSD	.3534	.3548	.1801	.5720	.2004	.2279	.1184	.1309	.1659
#1	.2545	40.23	2.123	2.073	2.029	39.20	2.100	2.100	2.038
#2	.2559	39.96	2.116	2.050	2.028	39.08	2.096	2.095	2.041
#3	.2561	40.04	2.120	2.059	2.021	39.02	2.100	2.099	2.035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.060	39.10	40.62	38.23	2.071	2.129	41.18	2.126	2.023
Stddev	.002	.05	.22	.09	.007	.002	.09	.004	.003
%RSD	.0796	.1176	.5466	.2348	.3366	.0717	.2079	.1849	.1614
#1	2.082	39.13	40.87	38.17	2.065	2.130	41.27	2.128	2.027
#2	2.079	39.12	40.54	38.33	2.068	2.128	41.11	2.121	2.021
#3	2.079	39.05	40.45	38.18	2.079	2.131	41.16	2.128	2.022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.148	2.123	2.091	2.095	2.111	2.123	2.074	2.097	2.016
Stddev	.004	.006	.003	.003	.004	.003	.003	.003	.002
%RSD	.2061	.2649	.1454	.1306	.1800	.1593	.1301	.1303	.0934
#1	2.154	2.128	2.094	2.098	2.114	2.124	2.076	2.094	2.018
#2	2.146	2.117	2.088	2.092	2.107	2.125	2.071	2.099	2.015
#3	2.145	2.125	2.091	2.096	2.111	2.119	2.076	2.098	2.015
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 3/11/2016 10:08:09 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2471.8	5161.4	4123.2	3797.4					
Stddev	5.6	5.2	136.	14.3					
%RSD	.22815	.10054	.33086	.37772					
#1	2478.2	5164.5	41165.	3806.0					
#2	2467.4	5164.4	41143.	3780.9					
#3	2469.9	5155.5	41389.	3805.4					

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Sample Name: CCB Acquired: 3/11/2016 10:12:26 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0056	-.0005	.0000	-.0001	.0014	.0000	.0001	.0000
Stddev	.0002	.0081	.0006	.000	.0000	.0054	.000	.0000	.000
%RSD	410.6	144.3	113.1	2976.	44.81	384.2	60.62	76.84	1769.
#1	.0002	-.0031	-.0006	.0001	-.0001	-.0040	.0000	.0000	-.0003
#2	-.0001	.0128	.0001	-.0003	-.0001	.0014	.0000	.0001	.0000
#3	.0000	.0071	-.0010	-.0005	.0000	.0068	.0000	.0000	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0134	.0778	-.0173	.0001	.0006	.0369	.0001	.0002
Stddev	.0001	.0025	.0513	.0134	.0000	.0002	.0049	.0001	.0004
%RSD	19.31	18.59	65.97	77.36	41.03	36.52	13.27	97.33	152.7
#1	.0004	.0163	.1218	-.0321	.0001	.0008	.0401	.0001	.0000
#2	.0005	.0123	.0901	-.0062	.0000	.0006	.0393	.0002	.0001
#3	.0005	.0117	.0214	-.0135	.0001	.0004	.0313	.0000	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0012	.0010	.0026	-.0002	.0000	.0010	.0009	.0000	-.0003
Stddev	.0003	.0008	.0005	.0001	.0000	.0001	.0003	.0002	.0000
%RSD	23.51	79.40	17.82	49.15	155.0	6.238	30.29	405.6	13.45
#1	-.0015	.0019	.0026	-.0001	.0000	.0010	.0008	.0002	-.0003
#2	-.0011	.0006	.0021	-.0003	.0001	.0009	.0012	.0000	-.0003
#3	-.0010	.0004	.0030	-.0002	.0000	.0010	.0007	-.0001	-.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/11/2016 10:12:26 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2966.4	5557.2	43983.	3854.2
Stddev	19.8	37.2	829.	82.2
%RSD	.66857	.67027	1.8854	2.1330
#1	2960.9	5549.8	43658.	3771.4
#2	2988.3	5597.6	44926.	3855.4
#3	2949.8	5524.2	43366.	3935.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: FA32069-1 Acquired: 3/11/2016 10:16:59 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0353	249.6	.1017	3.563	.0100	119.0	.0284	1.582	.6075
Stddev	.0008	2.9	.0021	.042	.0002	1.5	.0011	.0018	.0056
%RSD	2.398	1.166	2.047	1.177	1.572	1.219	3.799	1.138	.9295
#1	.0354	250.7	.1016	3.578	.0099	119.4	.0279	1.575	.6035
#2	.0360	251.7	.0997	3.596	.0101	120.2	.0276	1.569	.6140
#3	.0343	246.3	.1038	3.516	.0099	117.4	.0296	1.603	.6052

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.8318	390.6	87.49	91.80	7.579	.0332	10.98	4.512	2.412
Stddev	.0018	4.2	1.10	.95	.081	.0002	.16	.0048	.046
%RSD	.2221	1.068	1.260	1.034	1.069	.7239	1.448	1.066	1.900
#1	.8339	392.0	88.05	92.20	7.522	.0332	11.05	4.485	2.387
#2	.8309	393.9	88.20	92.49	7.672	.0330	11.09	4.484	2.385
#3	.8306	385.9	86.22	90.72	7.544	.0335	10.80	4.567	2.465

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0142	-.0013	4.628	.0877	1.193	F 11.11	.0001	7.569	3.407
Stddev	.0007	.0001	.051	.0017	.012	.06	.0028	.0052	.040
%RSD	4.977	8.239	1.108	1.949	.9743	.5641	1955.	.6848	1.163
#1	.0150	-.0012	4.604	.0869	1.197	11.04	.0017	7.540	3.385
#2	.0138	-.0013	4.593	.0866	1.202	11.16	.0017	7.628	3.384
#3	.0138	-.0013	4.686	.0897	1.180	11.13	-.0031	7.538	3.453

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2506.2	6390.7	50389.	4643.8
Stddev	31.1	52.9	354.	43.8
%RSD	1.2421	.82819	.70265	.94402
#1	2521.2	6424.7	50653.	4616.9
#2	2527.0	6417.7	49987.	4620.1
#3	2470.5	6329.8	50528.	4694.4

Sample Name: FA32069-2 Acquired: 3/11/2016 10:21:35 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0234	250.0	.1057	3.637	.0097	140.8	.0236	1.564	.5796
Stddev	.0007	.8	.0014	.024	.0001	.8	.0001	.0003	.0049
%RSD	2.794	.3275	1.294	.6644	.5173	.5488	.5152	.1759	.8491
#1	.0232	250.2	.1070	3.639	.0097	140.9	.0236	1.563	.5850
#2	.0242	250.7	.1042	3.661	.0098	141.5	.0235	1.567	.5784
#3	.0229	249.1	.1058	3.612	.0098	140.0	.0238	1.561	.5754

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.9049	379.5	84.64	97.84	7.147	.0320	8.011	4.563	2.134
Stddev	.0033	1.2	.18	.31	.047	.0004	.045	.0016	.007
%RSD	.3594	.3093	.2160	.3209	.6617	1.304	.5648	.3455	.3529
#1	.9073	379.9	84.79	97.68	7.199	.0317	8.061	4.553	2.126
#2	.9012	380.3	84.69	98.20	7.106	.0324	7.999	4.581	2.140
#3	.9061	378.1	84.43	97.64	7.135	.0318	7.973	4.555	2.138

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0105	.0019	4.720	.0834	1.418	F 10.82	-.0025	6.951	3.624
Stddev	.0036	.0016	.011	.0003	.005	.05	.0015	.0050	.008
%RSD	34.14	80.93	.2409	.3846	.3825	4829	59.94	.7122	.2188
#1	.0121	.0003	4.718	.0838	1.421	10.87	-.0009	.7008	3.618
#2	.0131	.0035	4.732	.0832	1.422	10.77	-.0029	.6915	3.633
#3	.0064	.0020	4.710	.0833	1.412	10.80	-.0038	.6930	3.620

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2506.7	6283.6	49585.	4516.2
Stddev	3.3	5.4	266.	16.1
%RSD	.13224	.08667	.53628	.35751
#1	2505.2	6281.0	49305.	4514.2
#2	2504.5	6279.9	49835.	4501.1
#3	2510.5	6289.8	49614.	4533.2

Sample Name: FA32069-3 Acquired: 3/11/2016 10:26:10 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.1050	276.7	.1193	4.467	.0112	144.7	.0270	.1699	.6303
Stddev	.0021	.7	.0018	.017	.0002	.7	.0010	.0023	.0095
%RSD	2.035	.2520	1.506	.3815	1.668	.4541	3.534	1.336	1.507
#1	.1051	277.3	.1214	4.475	.0112	145.3	.0263	.1683	.6282
#2	.1071	277.0	.1186	4.478	.0114	144.8	.0266	.1688	.6407
#3	.1029	275.9	.1180	4.447	.0110	144.0	.0281	.1725	.6221
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7889	433.0	94.16	110.5	F 8.304	.0330	5.505	.4597	3.822
Stddev	.0116	1.1	.42	.3	.071	.0009	.044	.0046	.053
%RSD	1.469	.2584	.4424	.2649	.8594	2.633	.8069	.9945	1.400
#1	.7868	434.0	94.52	110.7	8.306	.0327	5.503	.4556	3.781
#2	.8014	433.2	94.25	110.5	8.375	.0323	5.550	.4588	3.802
#3	.7785	431.8	93.70	110.1	8.232	.0339	5.461	.4646	3.882
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0066	-.0062	4.203	1.052	1.494	F 12.16	-.0004	.7733	4.173
Stddev	.0014	.0057	.048	.0023	.004	.20	.0023	.0136	.044
%RSD	21.32	90.99	1.130	2.162	.2587	1.604	579.2	1.762	1.046
#1	.0057	-.0127	4.167	.1041	1.495	12.11	-.0010	.7688	4.140
#2	.0082	-.0024	4.186	.1037	1.496	12.37	.0021	.7886	4.156
#3	.0059	-.0035	4.257	.1078	1.489	11.99	-.0024	.7624	4.222
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2468.9	6508.0	5101.3	4697.6					
Stddev	33.1	65.2	760.	31.2					
%RSD	1.3397	1.0023	1.4904	.66379					
#1	2493.9	6557.9	51189.	4674.2					
#2	2481.4	6532.0	50180.	4685.7					
#3	2431.4	6434.2	51670.	4733.0					

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Sample Name: FA32069-4 Acquired: 3/11/2016 10:33:15 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.1199	263.2	.1007	3.831	.0104	114.4	.0264	.1686	.6400
Stddev	.0006	.4	.0012	.004	.0001	.1	.0002	.0006	.0023
%RSD	.5245	.1464	1.177	.0958	.6322	.0778	.9247	.3675	.3609
#1	.1192	263.7	.1018	3.832	.0104	114.4	.0262	.1685	.6380
#2	.1201	262.9	.1009	3.827	.0104	114.3	.0267	.1692	.6395
#3	.1203	263.1	.0994	3.834	.0105	114.5	.0262	.1680	.6425
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7675	403.3	92.35	103.4	7.852	.0293	4.773	4.486	4.162
Stddev	.0011	.5	.07	.1	.050	.0004	.028	.0010	.023
%RSD	.1445	.1166	.0723	.0968	.6348	1.351	.5938	.2270	.5476
#1	.7685	403.4	92.28	103.3	7.801	.0292	4.782	4.478	4.146
#2	.7678	402.7	92.38	103.5	7.900	.0297	4.741	4.482	4.188
#3	.7663	403.7	92.40	103.4	7.855	.0289	4.796	4.497	4.153
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0129	-.0063	4.801	1.232	1.292	F 12.21	-.0009	.7520	3.650
Stddev	.0028	.0048	.005	.0011	.002	.08	.0019	.0028	.018
%RSD	21.35	76.23	1.119	.9091	.1794	.6405	223.6	.3705	.5021
#1	.0107	-.0036	4.797	.1225	1.293	12.13	.0013	.7499	3.636
#2	.0160	-.0118	4.807	.1245	1.290	12.21	-.0013	.7508	3.671
#3	.0121	-.0035	4.798	.1226	1.295	12.28	-.0025	.7551	3.643
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2486.6	6387.1	5010.3	4620.5					
Stddev	5.1	7.8	184.	20.0					
%RSD	.20665	.12248	.36677	.43291					
#1	2491.5	6396.1	5031.1	4605.7					
#2	2481.2	6381.7	5003.8	4612.6					
#3	2487.0	6383.6	4996.1	4643.3					

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Sample Name: CCV Acquired: 3/11/2016 11:04:28 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2545	40.04	2.132	2.057	2.025	39.16	2.113	2.104	2.048
Stddev	.0012	.08	.004	.006	.003	.06	.002	.003	.002
%RSD	.4668	.2085	.1719	.3167	.1410	.1592	.1120	.1371	.1026
#1	.2537	40.01	2.129	2.054	2.023	39.11	2.111	2.100	2.046
#2	.2558	40.13	2.130	2.065	2.028	39.23	2.112	2.105	2.050
#3	.2538	39.97	2.136	2.054	2.024	39.14	2.116	2.105	2.048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.058	39.06	40.46	38.03	2.093	2.130	41.02	2.139	2.033
Stddev	.006	.04	.10	.05	.006	.003	.07	.004	.008
%RSD	.3087	.0912	.2417	.1214	.2832	.1230	.1607	.1888	.3859
#1	2.052	39.02	40.51	38.09	2.087	2.127	41.03	2.135	2.036
#2	2.058	39.08	40.52	38.00	2.098	2.131	41.09	2.140	2.024
#3	2.064	39.09	40.35	38.01	2.095	2.132	40.96	2.143	2.038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.142	2.129	2.091	2.101	2.111	2.125	2.068	2.111	2.030
Stddev	.003	.004	.003	.004	.002	.005	.002	.004	.001
%RSD	.1552	.1809	.1319	.2055	.1020	.2416	.0886	.2076	.0701
#1	2.140	2.128	2.088	2.097	2.109	2.120	2.067	2.107	2.031
#2	2.146	2.134	2.093	2.100	2.113	2.130	2.071	2.116	2.028
#3	2.141	2.126	2.092	2.106	2.111	2.125	2.068	2.110	2.031
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 3/11/2016 11:04:28 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2435.1	5106.5	40618.	3774.4					
Stddev	3.6	11.8	73.	11.7					
%RSD	.14663	.23121	.17992	.31018					
#1	2437.2	5120.1	40675.	3761.3					
#2	2437.2	5099.9	40536.	3777.9					
#3	2431.0	5099.4	40644.	3783.9					

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Sample Name: CCB Acquired: 3/11/2016 11:08:40 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0035	-0.002	.0000	.0000	-0.005	.0000	.0000	.0001
Stddev	.0003	.0042	.0002	.0003	.0001	.0036	.0000	.0000	.0001
%RSD	90.61	120.8	83.19	1627.	256.7	676.6	90.11	99.29	177.0
#1	.0000	.0072	-0.004	.0003	.0001	-.0025	.0000	.0001	.0001
#2	.0006	.0044	-0.001	-0.003	.0000	-.0045	.0001	.0000	.0001
#3	.0005	-.0011	-0.001	.0001	.0000	.0004	.0000	.0001	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0054	.1203	.0088	.0000	.0007	.0690	-0.001	-0.001
Stddev	.0001	.0022	.0236	.0359	.0000	.0002	.0096	.0002	.0005
%RSD	34.33	41.07	19.62	409.7	160.8	26.71	13.86	346.8	644.5
#1	.0002	.0079	.1461	-.0301	.0001	.0010	.0660	.0001	.0004
#2	.0003	.0044	.0999	.0407	.0000	.0007	.0797	-0.003	-0.002
#3	.0003	.0039	.1149	.0157	.0000	.0006	.0613	.0000	-0.005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0020	.0005	.0017	-0.003	.0000	.0006	.0004	.0003	-0.002
Stddev	.0012	.0012	.0005	.0002	.000	.0000	.0005	.0002	.0001
%RSD	62.65	256.5	27.28	66.93	2194.	6.870	126.9	63.01	22.99
#1	-.0017	.0016	.0012	-.0001	-.0001	.0006	.0005	.0001	-.0002
#2	-.0033	.0006	.0018	-.0002	.0000	.0006	-.0001	.0004	-.0002
#3	-.0009	-.0008	.0021	-.0004	.0001	.0006	.0008	.0002	-.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/11/2016 11:08:40 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2875.9	5387.8	43011.	3821.0
Stddev	8.1	9.5	94.	4.1
%RSD	.28213	.17627	.21953	.10786
#1	2879.8	5396.2	42939.	3817.5
#2	2881.2	5389.8	43118.	3825.6
#3	2866.5	5377.5	42976.	3820.0

7.1
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Sample Name: CCV Acquired: 3/11/2016 13:23:02 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2494	39.85	1.966	1.987	2.006	40.75	2.020	2.005	2.055
Stddev	.0008	.08	.022	.006	.004	.13	.020	.019	.009
%RSD	.3388	.1974	1.110	.2810	.2093	.3113	.9872	.9481	.4194
#1	.2485	39.76	1.978	1.981	2.002	40.62	2.029	2.013	2.045
#2	.2502	39.87	1.980	1.992	2.005	40.75	2.034	2.018	2.062
#3	.2494	39.91	1.941	1.988	2.010	40.88	1.997	1.983	2.057

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.966	39.62	39.80	40.79	2.061	2.008	38.58	2.008	2.008
Stddev	.006	.04	.07	.20	.012	.019	.14	.020	.017
%RSD	.3230	.1116	.1767	.4899	.6010	.9342	.3631	.9804	.8344
#1	1.979	39.58	39.72	40.75	2.048	2.015	38.42	2.018	2.008
#2	1.992	39.61	39.86	40.60	2.072	2.022	38.65	2.020	2.024
#3	1.988	39.67	39.83	41.00	2.062	1.987	38.67	1.985	1.990

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.945	1.968	1.905	2.051	1.993	2.039	2.004	2.042	2.046
Stddev	.022	.021	.019	.019	.005	.009	.018	.005	.016
%RSD	1.124	1.041	1.008	.9187	.2550	.4203	.9095	.2545	.7688
#1	1.955	1.978	1.913	2.060	1.987	2.029	2.007	2.036	2.051
#2	1.960	1.981	1.920	2.063	1.996	2.046	2.020	2.047	2.058
#3	1.920	1.944	1.884	2.029	1.996	2.042	1.984	2.042	2.028

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/11/2016 13:23:02 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2392.7	5085.6	39617.	3602.8
Stddev	14.6	40.3	225.	8.1
%RSD	.60921	.79238	.56680	.22600
#1	2387.6	5056.2	39863.	3602.5
#2	2381.3	5069.1	39424.	3611.1
#3	2409.1	5131.6	39564.	3594.8

Sample Name: CCB Acquired: 3/11/2016 13:27:13 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0078	.0007	.0005	.0002	.0043	.0001	.0002	.0002
Stddev	.001	.0056	.0004	.0001	.0001	.0025	.0000	.0000	.0001
%RSD	1119.	72.15	68.17	25.85	48.21	57.24	31.01	17.82	38.25

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0145	.2466	-.0136	.0002	F-.0013	.3239	.0000	-.0004
Stddev	.0002	.0037	.0279	.0185	.0000	.0003	.0176	.0002	.0001
%RSD	197.0	25.87	11.32	136.0	23.90	21.51	5.422	332.7	22.66

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0004	-.0003	.0000	.0002	.0006	-.0002	.0001	.0000
Stddev	.0004	.0016	.0005	.000	.0000	.0001	.0006	.0001	.0000
%RSD	88.46	408.7	149.2	428.9	17.32	11.42	289.8	96.70	153.4

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/11/2016 13:27:13 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2807.5	5333.5	41846.	3682.1
Stddev	6.6	7.5	224.	19.8
%RSD	.23551	.14116	.53505	.53893

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2810.6	5337.0	42103.	3664.0
Stddev	2812.0	5338.7	41733.	3679.0
%RSD	2799.9	5324.9	41701.	3703.3

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.1
7

Sample Name: MP30097-MB1 Acquired: 3/11/2016 13:40:54 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-.0007	-.0003	.0000	.0000	.0013	-.0001	-.0001	.0002
Stddev	.0001	.0122	.0003	.000	.000	.0013	.0000	.0000	.0001
%RSD	52.12	1855.	98.18	476.2	122.9	96.88	44.28	35.70	54.41

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0417	.1509	-.0112	.0001	.0000	.3150	-.0001	-.0002
Stddev	.000	.0015	.0058	.0152	.0000	.0000	.0110	.0001	.0003
%RSD	181.7	3.642	3.868	136.0	5.230	71.58	3.479	152.9	187.7

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	-.0006	.0040	.0000	.0000	-.0004	-.0006	.0000	.0002
Stddev	.0006	.0004	.0003	.000	.0000	.0000	.0005	.000	.0001
%RSD	90.15	63.89	7.643	4988.	178.5	11.05	71.95	303.6	35.57

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30097-MB1 Acquired: 3/11/2016 13:40:54 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2787.0	5328.4	42109.	3657.2
Stddev	1.9	7.1	40.	8.4
%RSD	.06660	.13253	.09555	.23022

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2785.6	5332.1	42063.	3659.0
Stddev	2786.2	5320.3	42123.	3648.0
%RSD	2789.1	5332.9	42140.	3664.5

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30097-B1 Acquired: 3/11/2016 13:45:26 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0499	29.54	2.039	2.130	.0552	27.96	.0539	.5290	.2199
Stddev	.0007	.09	.001	.002	.0001	.06	.0000	.0002	.0005
%RSD	1.385	.2984	.0364	.1048	.1268	.2097	.0888	.0457	.2379

#1	.0502	29.44	2.038	2.129	.0551	27.89	.0538	.5289	.2205
#2	.0491	29.55	2.039	2.133	.0553	27.97	.0539	.5293	.2195
#3	.0504	29.62	2.040	2.130	.0552	28.01	.0539	.5289	.2198

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2681	28.44	27.15	28.32	.5614	.5310	26.99	.5387	.5169
Stddev	.0009	.02	.15	.10	.0013	.0004	.03	.0003	.0013
%RSD	.3370	.0759	.5472	.3565	.2321	.0780	.1199	.0558	.2487

#1	.2692	28.45	26.98	28.31	.5628	.5312	27.01	.5383	.5171
#2	.2675	28.42	27.21	28.22	.5602	.5305	27.00	.5388	.5155
#3	.2677	28.46	27.25	28.42	.5613	.5312	26.95	.5389	.5180

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5117	2.047	.0239	.5537	.5332	.5523	2.067	.5058	.5471
Stddev	.0013	.005	.0004	.0004	.0017	.0020	.005	.0024	.0007
%RSD	.2522	.2674	1.845	.0803	.3097	.3652	.2276	.4774	.1271

#1	.5102	2.041	.0243	.5537	.5337	.5545	2.066	.5084	.5469
#2	.5120	2.048	.0234	.5541	.5345	.5516	2.063	.5053	.5479
#3	.5127	2.051	.0240	.5532	.5313	.5507	2.072	.5036	.5465

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30097-B1 Acquired: 3/11/2016 13:45:26 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2505.7	5146.2	39995.	3577.4
Stddev	1.9	6.9	66.	10.2
%RSD	.07413	.13343	.16386	.28498

#1	2506.1	5150.9	39940.	3577.1
#2	2507.3	5138.3	40067.	3587.8
#3	2503.6	5149.3	39977.	3567.4

Sample Name: FA32009-1 Acquired: 3/11/2016 13:49:40 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	4.291	.0074	.1066	.0002	10.54	-.0001	.0071	.0083
Stddev	.0001	.024	.0006	.0003	.0001	.04	.0000	.0001	.0003
%RSD	454.0	.5541	7.783	.2444	32.43	.3463	46.98	.9735	3.427

#1	.0000	4.315	.0077	.1068	.0001	10.56	-.0001	.0070	.0081
#2	.0002	4.291	.0077	.1066	.0002	10.49	-.0001	.0072	.0082
#3	-.0001	4.267	.0067	.1063	.0003	10.56	-.0001	.0072	.0086

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0023	8.198	1.225	4.112	.0593	.0006	45.73	.0031	-.0003
Stddev	.0001	.022	.038	.037	.0002	.0000	.06	.0001	.0006
%RSD	3.942	.2683	3.079	.8974	.2660	4.996	.1369	3.739	207.8

#1	.0023	8.212	1.227	4.086	.0594	.0006	45.80	.0031	-.0008
#2	.0023	8.173	1.186	4.154	.0594	.0005	45.70	.0029	-.0004
#3	.0024	8.209	1.261	4.097	.0591	.0005	45.68	.0032	-.0005

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0008	.0016	14.83	.0004	.0428	.1232	-.0014	.0114	.0607
Stddev	.0002	.0015	.08	.0000	.0002	.0100	.0005	.0001	.0001
%RSD	25.68	89.82	.5576	9.017	.4544	8.128	36.29	1.148	.2200

#1	.0006	.0015	14.92	.0005	.0427	.1337	-.0010	.0113	.0608
#2	.0009	.0032	14.81	.0005	.0427	.1223	-.0012	.0113	.0608
#3	.0010	.0002	14.75	.0004	.0430	.1137	-.0019	.0115	.0606

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2568.7	5241.5	40540.	3597.1
Stddev	6.2	12.9	70.	12.2
%RSD	.23979	.24541	.17168	.33803

#1	2574.6	5256.3	40536.	3596.8
#2	2562.3	5235.9	40612.	3609.3
#3	2569.4	5232.5	40472.	3585.0

Sample Name: MP30097-D1 Acquired: 3/11/2016 13:54:02 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	3.865	.0072	.1063	.0003	10.50	.0000	.0072	.0078
Stddev	.0002	.016	.0004	.0002	.0000	.03	.000	.0001	.0002
%RSD	252.4	.4238	5.519	.1890	17.32	.3060	127.0	1.498	2.884

#1	-.0001	3.856	.0069	.1061	.0003	10.49	.0000	.0071	.0079
#2	.0003	3.854	.0076	.1065	.0003	10.47	.0000	.0071	.0080
#3	.0000	3.884	.0070	.1063	.0002	10.53	-.0001	.0073	.0076

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0022	8.029	1.178	4.046	.0584	.0004	45.71	.0031	-.0001
Stddev	.0002	.009	.017	.019	.0003	.0001	.19	.0001	.0005
%RSD	7.794	.1079	1.404	.4703	.4599	26.36	.4161	1.915	542.8

#1	.0022	8.030	1.189	4.066	.0584	.0003	45.82	.0032	.0005
#2	.0021	8.019	1.186	4.044	.0586	.0005	45.49	.0032	-.0005
#3	.0024	8.037	1.159	4.028	.0581	.0003	45.81	.0031	-.0002

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0013	.0012	14.28	.0003	.0426	.1137	-.0008	.0112	.0595
Stddev	.0004	.0016	.09	.0001	.0003	.0151	.0007	.0001	.0002
%RSD	32.74	133.5	.6022	37.32	.5907	13.24	88.76	.6146	.2970

#1	.0016	.0002	14.38	.0002	.0427	.1295	-.0007	.0112	.0597
#2	.0015	.0030	14.26	.0004	.0423	.1120	-.0001	.0111	.0593
#3	.0008	.0009	14.21	.0004	.0427	.0996	-.0015	.0112	.0595

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2585.1	5274.0	41030.	3654.4
Stddev	5.2	3.0	171.	7.9
%RSD	.20255	.05653	.41754	.21544

#1	2590.2	5275.3	40883.	3659.7
#2	2579.8	5276.1	40990.	3658.0
#3	2585.3	5270.6	41218.	3645.3

Sample Name: MP30097-SD1 Acquired: 3/11/2016 13:58:26 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	4.333	.0109	.1097	.0001	10.77	-0.0003	.0073	.0077
Stddev	.0018	.015	.0028	.0018	.0003	.05	.0001	.0005	.0001
%RSD	822.2	.3546	25.65	1.681	332.6	.4900	20.75	6.710	1.491
#1	.0006	4.327	.0131	.1077	.0003	10.78	-.0002	.0079	.0077
#2	.0017	4.322	.0120	.1114	.0001	10.72	-.0002	.0070	.0077
#3	-.0017	4.351	.0078	.1099	-.0002	10.82	-.0003	.0071	.0075
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.0019	8.318	1.556	4.028	.0623	-0.0002	47.39	.0035	-0.0024
Stddev	.0007	.042	.079	.091	.0032	.0005	.15	.0006	.0016
%RSD	34.95	.5059	5.103	2.259	5.173	275.7	.3171	16.17	66.91
#1	.0026	8.278	1.474	3.988	.0602	.0003	47.41	.0028	-.0019
#2	.0018	8.314	1.563	3.964	.0660	-.0002	47.24	.0036	-.0011
#3	.0013	8.361	1.632	4.132	.0606	-.0007	47.54	.0039	-.0043
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.0004	-0.0013	15.39	-0.0003	.0441	1.269	-0.0032	.0107	.1012
Stddev	.0031	.0047	.13	.0013	.0007	.0243	.0008	.0006	.0005
%RSD	878.0	370.8	8.274	387.6	1.548	19.19	24.02	5.185	5.090
#1	-.0037	-.0066	15.52	.0002	.0439	.1169	-.0026	.0100	.1014
#2	.0026	.0003	15.37	.0006	.0449	.1546	-.0030	.0109	.1016
#3	.0000	.0024	15.27	-.0018	.0436	.1091	-.0041	.0110	.1007
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2744.1	5351.1	41618.	3680.0					
Stddev	4.9	2.0	26.	14.0					
%RSD	.17787	.03790	.06178	.38031					
#1	2738.6	5353.5	41600.	3679.8					
#2	2747.9	5350.0	41605.	3694.2					
#3	2745.9	5349.9	41647.	3666.2					

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Sample Name: MP30097-PS1 Acquired: 3/11/2016 14:02:54 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0484	6.754	.1096	.3660	.0536	15.69	.0528	.0593	.0621
Stddev	.0002	.016	.0008	.0008	.0001	.04	.0001	.0001	.0002
%RSD	.3835	.2385	.6941	.2136	.2066	.2530	.1666	.2201	.3666
#1	.0484	6.772	.1104	.3652	.0537	15.67	.0528	.0593	.0621
#2	.0482	6.740	.1096	.3668	.0535	15.66	.0529	.0594	.0620
#3	.0485	6.749	.1089	.3660	.0537	15.74	.0527	.0591	.0624
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.1075	11.10	11.26	9.349	.1129	1.002	54.81	.1074	.0497
Stddev	.0004	.03	.05	.015	.0006	.0002	.06	.0001	.0006
%RSD	.3262	.2924	.4268	.1556	.5566	.2074	.1103	.1338	1.127
#1	.1079	11.08	11.21	9.358	.1135	1.001	54.76	.1073	.0491
#2	.1072	11.09	11.31	9.332	.1129	1.000	54.79	.1075	.0500
#3	.1075	11.14	11.26	9.357	.1122	1.004	54.88	.1074	.0501
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.1043	.0979	14.58	.0501	.0908	.2177	.0989	.0617	.3362
Stddev	.0010	.0013	.06	.0003	.0002	.0045	.0018	.0004	.0007
%RSD	.9166	1.320	.3945	.5111	.2388	2.078	1.795	.6329	.2087
#1	.1052	.0993	14.65	.0498	.0907	.2126	.0971	.0618	.3367
#2	.1033	.0976	14.56	.0501	.0911	.2195	.0989	.0613	.3365
#3	.1044	.0968	14.54	.0503	.0907	.2210	.1007	.0620	.3354
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2534.2	5223.5	40447.	3604.6					
Stddev	6.9	4.5	155.	15.9					
%RSD	.27198	.08545	.38422	.44219					
#1	2526.2	5221.3	40293.	3616.7					
#2	2538.8	5228.6	40444.	3610.5					
#3	2537.4	5220.6	40604.	3586.5					

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Sample Name: MP30097-S1 Acquired: 3/11/2016 14:07:12 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0504	33.29	2.062	2.214	.0555	38.11	.0535	.5301	.2267
Stddev	.0006	.13	.008	.007	.0002	.14	.0001	.0007	.0005
%RSD	1.117	.3825	.3762	.3354	.3184	.3707	.1208	.1261	.2408
#1	.0508	33.25	2.058	2.209	.0556	38.02	.0535	.5295	.2273
#2	.0498	33.44	2.057	2.222	.0556	38.27	.0535	.5302	.2264
#3	.0507	33.19	2.071	2.209	.0553	38.05	.0536	.5308	.2264
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2701	36.36	28.12	32.39	6.192	5.280	72.97	5.370	5.241
Stddev	.0010	.02	.08	.09	.0019	.0004	.15	.0021	.0014
%RSD	.3617	.0633	.2720	.2680	.3122	.0718	.2115	.3890	.2729
#1	.2702	36.34	28.06	32.33	.6215	.5279	73.02	.5365	.5232
#2	.2711	36.37	28.21	32.49	.6183	.5277	73.10	.5353	.5234
#3	.2691	36.38	28.10	32.35	.6180	.5284	72.80	.5394	.5258
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5044	2.053	14.38	5.428	.5772	6.510	2.080	.5184	.6008
Stddev	.0007	.005	.07	.0003	.0014	.0093	.006	.0014	.0006
%RSD	.1395	.2336	.5111	.0547	.2388	1.433	.2983	.2687	.1033
#1	.5053	2.051	14.42	.5425	.5781	6.618	2.085	.5197	.6014
#2	.5040	2.050	14.42	.5426	.5780	6.645	2.073	.5169	.6009
#3	.5041	2.059	14.29	.5431	.5757	6.459	2.082	.5187	.6001
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2414.6	5115.7	39480.	3545.9					
Stddev	2.8	2.8	105.	8.8					
%RSD	.11549	.05381	.26499	.24898					
#1	2411.4	5113.3	39364.	3556.0					
#2	2416.4	5115.1	39511.	3539.8					
#3	2416.0	5118.7	39566.	3541.9					

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Sample Name: MP30097-S2 Acquired: 3/11/2016 14:11:23 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0497	32.39	2.062	2.217	.0549	37.57	.0534	.5289	.2248
Stddev	.0005	.04	.004	.002	.0002	.10	.0000	.0003	.0006
%RSD	.9167	.1366	.1803	.0755	.4032	.2668	.0913	.0633	.2747
#1	.0492	32.40	2.059	2.215	.0547	37.50	.0534	.5292	.2248
#2	.0499	32.35	2.066	2.216	.0551	37.53	.0535	.5286	.2254
#3	.0501	32.44	2.060	2.219	.0548	37.69	.0534	.5291	.2242
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2675	35.48	27.89	31.71	6.098	5.261	71.81	5.354	5.249
Stddev	.0002	.06	.04	.04	.0024	.0008	.03	.0012	.0015
%RSD	.0910	.1743	.1394	.1357					

Sample Name: CCV Acquired: 3/11/2016 14:15:35 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.482	39.96	1.984	1.971	2.017	40.55	2.037	2.015	2.064
Stddev	.0003	.20	.001	.010	.007	.07	.000	.001	.011
%RSD	.1177	.4981	.0519	.5235	.3316	.1815	.0156	.0339	.5188
#1	.2479	39.95	1.984	1.972	2.020	40.58	2.036	2.015	2.053
#2	.2481	39.77	1.984	1.960	2.010	40.46	2.037	2.014	2.074
#3	.2485	40.17	1.986	1.981	2.022	40.60	2.037	2.016	2.065

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.985	39.75	39.58	40.70	2.082	2.022	39.47	2.031	2.015
Stddev	.004	.10	.18	.16	.012	.001	.23	.002	.008
%RSD	.2154	.2408	.4559	.3959	.5939	.0379	.5942	.0894	.3884
#1	1.981	39.78	39.60	40.61	2.068	2.022	39.52	2.030	2.008
#2	1.984	39.64	39.38	40.59	2.092	2.022	39.21	2.031	2.024
#3	1.990	39.83	39.74	40.88	2.086	2.021	39.67	2.033	2.013

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.969	1.977	1.927	2.061	2.009	2.056	2.015	2.052	2.061
Stddev	.001	.001	.001	.001	.009	.005	.009	.002	.002
%RSD	.0333	.0467	.0249	.0488	.4297	.2666	.4291	.1125	.1168
#1	1.968	1.976	1.927	2.061	2.012	2.050	2.013	2.049	2.064
#2	1.970	1.976	1.926	2.061	1.999	2.060	2.025	2.054	2.062
#3	1.969	1.978	1.927	2.059	2.015	2.059	2.008	2.053	2.059

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/11/2016 14:15:35 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2394.9	5059.1	39620.	3585.8
Stddev	8.8	8.1	203.	11.9
%RSD	.36694	.16004	.51157	.33269
#1	2401.8	5066.9	39854.	3597.2
#2	2385.0	5059.5	39507.	3586.9
#3	2397.8	5050.7	39500.	3573.4

7.1
7

Sample Name: CCB Acquired: 3/11/2016 14:19:45 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	0.111	0.002	0.003	0.001	0.039	0.001	0.001	0.001
Stddev	.0004	.0134	.0003	.0003	.0000	.0031	.0000	.0000	.0001
%RSD	105.4	120.3	193.9	86.99	37.35	78.70	38.57	75.26	109.4
#1	-0.002	-0.043	.0000	.0003	.0001	.0004	.0002	.0001	.0000
#2	-0.001	.0189	.0005	.0006	.0001	.0058	.0001	.0001	.0001
#3	-0.009	.0188	.0000	.0001	.0001	.0056	.0001	.0000	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.000	0.145	0.448	-0.168	0.001	F.0014	0.1132	0.000	-0.004
Stddev	.000	.0035	.0396	.0202	.0000	.0002	.0056	.0002	.0004
%RSD	418.1	23.94	88.49	119.9	1.086	16.68	4.920	448.0	99.23
#1	.0000	.0174	.0716	-.0133	.0001	.0017	.1179	.0001	.0000
#2	-0.002	.0153	-0.007	.0013	.0001	.0014	.1147	-0.002	-0.008
#3	.0001	.0106	.0635	-.0386	.0001	.0012	.1071	.0002	-0.004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.001	0.006	0.001	0.000	0.002	0.006	0.008	0.000	0.000
Stddev	.0014	.0004	.0007	.0001	.0001	.0001	.0009	.000	.0001
%RSD	1044.	61.45	614.8	137.6	29.90	11.92	121.5	870.6	197.6
#1	.0018	.0005	.0006	.0001	.0002	.0006	.0017	.0002	.0001
#2	-0.007	.0003	.0004	.0001	.0001	.0006	-.0001	.0000	.0001
#3	-0.007	.0011	-.0006	.0000	.0002	.0005	.0006	-.0003	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/11/2016 14:19:45 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2829.6	5329.3	41734.	3670.4
Stddev	5.6	5.4	159.	33.1
%RSD	.19918	.10219	.38068	.90203
#1	2832.7	5334.2	41744.	3640.5
#2	2823.1	5323.4	41571.	3706.0
#3	2833.0	5330.4	41888.	3664.6

Sample Name: FA32009-8 Acquired: 3/11/2016 14:24:17 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.9530	.0027	.1301	.0000	20.83	.0000	.0033	.0020
Stddev	.0002	.0082	.0002	.0009	.0000	.14	.000	.0001	.0001
%RSD	370.8	.8559	6.324	.6963	43.00	.6562	821.1	4.492	5.828

#1	.0001	.9449	.0025	.1293	.0000	20.69	.0000	.0032	.0021
#2	.0003	.9612	.0028	.1311	.0001	20.96	.0000	.0034	.0019
#3	-.0002	.9529	.0027	.1299	.0000	20.84	.0000	.0032	.0020

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0007	4.061	1.332	5.429	.0696	.0020	59.49	.0020	.0012
Stddev	.0001	.005	.013	.008	.0004	.0001	.25	.0000	.0005
%RSD	.9844	.1250	.9795	.1547	.5187	3.243	.4239	1.737	42.65

#1	.0097	4.062	1.317	5.426	.0696	.0021	59.37	.0020	.0008
#2	.0098	4.065	1.343	5.439	.0699	.0020	59.78	.0019	.0018
#3	.0097	4.055	1.336	5.422	.0692	.0020	59.32	.0020	.0011

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0008	.0004	6.484	.0007	.2584	.0248	-.0011	.0023	.0544
Stddev	.0004	.0003	.004	.0002	.0009	.0019	.0008	.0001	.0002
%RSD	49.60	71.79	.0586	35.14	.3454	7.690	73.10	4.874	.3045

#1	.0011	.0003	6.480	.0004	.2588	.0268	-.0012	.0024	.0543
#2	.0004	.0008	6.488	.0006	.2590	.0231	-.0019	.0024	.0546
#3	.0011	.0002	6.484	.0009	.2573	.0244	-.0002	.0022	.0543

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2550.6	5117.8	3992.6	3615.8
Stddev	.5	5.2	65.	16.3
%RSD	.01938	.10174	.16347	.45185

#1	2550.8	5113.7	3985.5	3631.3
#2	2550.0	5115.9	3994.0	3598.7
#3	2551.0	5123.6	3998.4	3617.6

Sample Name: FA32030-12F Acquired: 3/11/2016 14:28:42 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0001	.0093	.0017	.0454	-.0001	17.93	-.0002	.0031	.0011
Stddev	.0002	.0101	.0006	.0003	.0000	.08	.0000	.0001	.0002
%RSD	119.3	108.5	35.62	.6292	43.55	.4200	21.11	2.975	23.19

#1	.0000	.0123	.0021	.0453	-.0001	17.95	-.0001	.0032	.0009
#2	-.0003	.0176	.0020	.0458	-.0001	17.99	-.0002	.0031	.0013
#3	-.0002	-.0019	.0010	.0453	.0000	17.85	-.0001	.0030	.0010

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0005	24.04	2.149	7.384	1.036	.0031	16.19	.0396	-.0033
Stddev	.0002	.21	.011	.075	.002	.0002	.12	.0002	.0010
%RSD	33.91	.8699	.5126	1.014	.2004	6.361	.7583	.5982	28.85

#1	.0005	23.99	2.137	7.353	1.034	.0029	16.22	.0393	-.0026
#2	.0003	24.27	2.159	7.469	1.036	.0032	16.30	.0398	-.0030
#3	.0006	23.86	2.151	7.329	1.038	.0033	16.06	.0396	-.0044

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0002	.0006	9.630	.0001	.0408	.0002	.0000	-.0003	.0314
Stddev	.0003	.0014	.014	.0001	.0002	.0001	.0006	.0001	.0002
%RSD	118.6	214.1	.1404	92.87	.5076	30.17	2867.0	30.55	.5035

#1	.0002	.0017	9.615	.0002	.0408	.0003	.0005	-.0004	.0313
#2	.0005	.0011	9.635	.0000	.0409	.0002	.0002	-.0004	.0314
#3	.0000	-.0009	9.640	.0001	.0405	.0002	-.0007	-.0002	.0316

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2636.5	5166.8	4072.2	3635.9
Stddev	3.2	3.8	60.	37.5
%RSD	.12017	.07427	.14729	1.0321

#1	2634.2	5171.2	4078.5	3649.8
#2	2635.4	5164.4	4066.6	3593.4
#3	2640.1	5164.8	4071.4	3664.5

7.1
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Sample Name: FA32030-13F Acquired: 3/11/2016 14:33:08 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0007	.0078	.0131	.0737	.0000	29.80	.0001	.0374	.0011
Stddev	.0002	.0089	.0003	.0003	.000	.13	.0000	.0002	.0002
%RSD	36.19	114.0	2.112	.3860	280.4	.4415	7.689	4.899	14.32

#1	.0005	.0125	.0131	.0739	.0000	29.73	.0001	.0376	.0009
#2	.0009	.0134	.0128	.0734	.0000	29.71	.0001	.0373	.0011
#3	.0006	-.0024	.0133	.0737	-.0001	29.95	.0001	.0370	.0012

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0011	11.42	1.349	16.48	F 5.436	.0039	39.90	.0178	-.0012
Stddev	.0002	.02	.021	.14	.010	.0001	.08	.0001	.0002
%RSD	20.86	.1779	1.571	.8407	.1827	1.857	.2026	.3023	12.90

#1	.0012	11.42	1.339	16.37	5.446	.0039	39.89	.0178	-.0014
#2	.0014	11.39	1.373	16.43	5.436	.0040	39.83	.0179	-.0011
#3	.0009	11.43	1.334	16.63	5.426	.0038	39.99	.0179	-.0011

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0010	.0015	7.343	-.0001	.0917	.0002	.0000	-.0002	.0195
Stddev	.0007	.0015	.019	.0001	.0002	.0001	.0008	.0002	.0001
%RSD	71.56	101.7	.2590	146.4	.1835	43.39	2202.	81.54	.3012

#1	.0006	.0031	7.365	.0000	.0916	.0001	-.0002	-.0004	.0195
#2	.0006	.0001	7.331	.0000	.0915	.0003	.0009	-.0003	.0196
#3	.0019	.0013	7.332	-.0002	.0918	.0003	-.0006	.0000	.0195

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2563.3	5102.6	3972.4	3597.3
Stddev	1.7	4.3	137.	21.3
%RSD	.06641	.08513	.34582	.59246

#1	2564.8	5098.0	3960.1	3604.1
#2	2563.6	5103.1	3969.8	3614.4
#3	2561.5	5106.7	3987.2	3573.4

Sample Name: FA32059-3 Acquired: 3/11/2016 14:37:43 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0001	1.227	.0193	.1625	.0000	22.02	-.0001	.0031	.0013
Stddev	.0004	.012	.0006	.0003	.0000	.08	.0001	.0001	.0001
%RSD	245.6	.9849	3.081	.2057	90.95	.3784	66.93	1.728	11.06

#1	-.0001	1.214	.0198	.1623	.0001	22.10	-.0001	.0031	.0014
#2	-.0006	1.229	.0186	.1628	.0001	21.94	-.0002	.0030	.0014
#3	.0002	1.23							

Sample Name: FA32054-6 Acquired: 3/11/2016 14:42:08 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, IS Ref, Avg, Stdev, %RSD) and 11 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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Sample Name: FA32054-6 Acquired: 3/11/2016 14:42:08 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, IS Ref, Avg, Stdev, %RSD) and 11 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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Sample Name: FA32067-2F Acquired: 3/11/2016 14:46:32 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, IS Ref, Avg, Stdev, %RSD) and 11 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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Sample Name: FA32067-3F Acquired: 3/11/2016 14:51:00 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, IS Ref, Avg, Stdev, %RSD) and 11 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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7.1

Sample Name: FA32073-1 Acquired: 3/11/2016 14:55:28 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0003	.5022	.0002	.1345	.0001	13.52	-.0001	.0031	.0054
Stddev	.0001	.0034	.0004	.0000	.0000	.02	.0000	.0000	.0003
%RSD	35.40	.6735	179.7	.0298	29.01	.1523	36.66	.2912	5.072
#1	.0004	.5055	-.0002	.1344	.0001	13.54	-.0001	.0031	.0057
#2	.0002	.5022	.0006	.1345	.0001	13.51	-.0001	.0031	.0051
#3	.0003	.4988	.0002	.1345	.0001	13.50	.0000	.0031	.0053
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0326	8.977	8.880	3.873	1.505	.0001	5.449	.0065	-.0003
Stddev	.0004	.034	.006	.023	.001	.0000	.021	.0002	.0003
%RSD	1.236	.3791	.0681	.5842	.0831	17.10	.3771	2.358	96.19
#1	.0330	9.015	8.873	3.878	1.506	.0002	5.472	.0063	.0000
#2	.0324	8.950	8.884	3.849	1.506	.0001	5.442	.0065	-.0005
#3	.0323	8.966	8.882	3.893	1.504	.0001	5.433	.0066	-.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0002	.0011	3.806	.0004	.0909	.0205	-.0010	.0029	.0762
Stddev	.0001	.0015	.010	.0001	.0007	.0006	.0005	.0002	.0003
%RSD	71.40	134.9	.2512	25.95	.7171	3.056	51.97	5.297	.4405
#1	.0003	-.0002	3.817	.0003	.0915	.0207	-.0006	.0028	.0758
#2	.0000	.0028	3.801	.0004	.0908	.0209	-.0008	.0028	.0765
#3	.0002	.0008	3.801	.0005	.0902	.0198	-.0016	.0031	.0762
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2679.5	5236.1	41180.	3647.4					
Stddev	8.4	7.1	113.	7.2					
%RSD	.31385	.13631	.27465	.19728					
#1	2674.8	5241.3	41297.	3641.8					
#2	2689.2	5239.1	41071.	3644.9					
#3	2674.4	5228.0	41171.	3655.5					

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Sample Name: FA32073-3 Acquired: 3/11/2016 14:59:52 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0005	.5709	-.0003	.1299	.0001	16.18	-.0001	.0114	.0157
Stddev	.0002	.0189	.0003	.0003	.0000	.06	.0000	.0001	.0002
%RSD	43.47	3.312	94.90	.2643	17.27	.3492	46.18	.5089	1.192
#1	.0004	.5492	-.0003	.1295	.0001	16.17	.0000	.0114	.0159
#2	.0007	.5805	-.0007	.1302	.0001	16.25	-.0001	.0114	.0155
#3	.0003	.5832	.0000	.1300	.0001	16.14	.0000	.0113	.0156
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0678	10.67	9.961	4.261	3.126	.0002	5.351	.0150	.0008
Stddev	.0003	.03	.027	.017	.003	.0001	.020	.0002	.0002
%RSD	.3938	.3139	.2745	.4022	.0889	30.55	.3729	1.594	27.56
#1	.0679	10.68	9.936	4.241	3.127	.0002	5.365	.0153	.0011
#2	.0680	10.70	9.957	4.274	3.128	.0002	5.361	.0148	.0008
#3	.0675	10.63	9.990	4.267	3.123	.0001	5.329	.0149	.0006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0006	.0009	3.666	.0001	.0942	.0244	-.0005	.0033	.1098
Stddev	.0005	.0008	.003	.0000	.0002	.0007	.0009	.0002	.0003
%RSD	83.12	96.78	.0899	32.48	.2199	3.018	203.6	4.918	.2525
#1	.0000	.0016	3.668	.0001	.0942	.0238	.0005	.0032	.1095
#2	.0009	-.0001	3.662	.0001	.0945	.0252	-.0014	.0035	.1100
#3	.0009	.0010	3.667	.0002	.0941	.0241	-.0005	.0033	.1100
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2674.2	5259.7	41376.	3692.0					
Stddev	2.1	1.5	91.	28.7					
%RSD	.07887	.02938	.21908	.77730					
#1	2674.4	5259.6	41480.	3659.1					
#2	2672.0	5261.3	41330.	3705.0					
#3	2676.2	5258.2	41318.	3711.9					

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Sample Name: FA32073-5 Acquired: 3/11/2016 15:04:25 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0001	.2015	-.0004	.2868	.0000	12.64	-.0002	.0017	.0139
Stddev	.0002	.0037	.0006	.0016	.000	.05	.0001	.0001	.0001
%RSD	194.7	1.844	130.8	.5672	99.87	.3925	35.80	5.009	.6879
#1	.0001	.1982	-.0009	.2887	-.0001	12.69	-.0001	.0016	.0140
#2	-.0001	.2009	-.0005	.2859	.0000	12.64	-.0002	.0017	.0138
#3	-.0004	.2055	.0002	.2858	.0000	12.59	-.0003	.0017	.0139
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0292	21.74	12.97	4.938	1.972	-.0001	13.83	.0151	-.0016
Stddev	.0000	.08	.05	.009	.006	.0001	.08	.0001	.0008
%RSD	.1284	.3796	.4110	.1782	.3215	36.73	.5700	.3596	46.83
#1	.0292	21.84	13.03	4.929	1.971	-.0001	13.91	.0152	-.0023
#2	.0292	21.70	12.95	4.941	1.979	-.0002	13.84	.0152	-.0008
#3	.0291	21.69	12.92	4.946	1.967	-.0001	13.75	.0151	-.0016
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0008	.0000	4.557	.0001	.0952	.0090	-.0018	.0023	.2642
Stddev	.0008	.001	.014	.0001	.0007	.0001	.0006	.0002	.0002
%RSD	106.7	4907.	.2974	111.9	.7509	1.550	35.36	6.699	.0860
#1	.0015	-.0001	4.568	.0000	.0960	.0091	-.0016	.0021	.2639
#2	.0009	.0013	4.542	.0002	.0950	.0089	-.0025	.0024	.2643
#3	-.0001	-.0013	4.560	.0002	.0946	.0089	-.0013	.0024	.2644
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2630.1	5187.1	40900.	3704.7					
Stddev	1.3	10.1	80.	17.7					
%RSD	.05082	.19430	.19530	.47815					
#1	2628.9	5181.6	40856.	3684.3					
#2	2629.9	5198.8	40851.	3713.9					
#3	2631.6	5181.0	40992.	3715.9					

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Sample Name: CCV Acquired: 3/11/2016 15:08:46 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.497	40.39	2.015	1.992	2.046	40.69	2.062	2.039	2.082
Stddev	.0007	.07	.004	.002	.005	.10	.001	.002	.005
%RSD	.2965	.1676	.1907	.1154	.2233	.2517	.0591	.0889	.2334
#1	.2492	40.44	2.019	1.995	2.047	40.79	2.062	2.040	2.087
#2	.2495	40.31	2.015	1.992	2.041	40.68	2.063	2.040	2.083
#3	.2506	40.41	2.011	1.990	2.050	40.59	2.061	2.037	2.077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.009	40.17	39.85	40.97	2.105	2.047	40.11	2.062	2.028
Stddev	.003	.05	.09	.15	.007	.001	.04	.003	.004
%RSD	.1705	.1182	.2226	.3712	.3479	.0516	.1032	.1228	.1870
#1	2.012	40.23	39.95						

Sample Name: CCV Acquired: 3/11/2016 15:08:46 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2374.4	4978.0	39094.	3579.1
Stddev	3.7	.8	98.	9.3
%RSD	.15765	.01554	.25012	.25877
#1	2374.9	4978.8	39112.	3583.3
#2	2370.4	4977.4	38989.	3585.6
#3	2377.9	4977.6	39183.	3568.5

Sample Name: CCB Acquired: 3/11/2016 15:13:00 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0001	.0011	.0012	.0003	.0002	.0010	.0001	.0001	.0001
Stddev	.0002	.0015	.0005	.0002	.0000	.0046	.0000	.0001	.0001
%RSD	369.5	135.4	39.67	48.74	23.08	468.0	31.90	61.69	104.0
#1	.0000	.0017	.0016	.0003	.0002	-.0026	.0002	.0001	.0000
#2	-.0001	.0023	.0013	.0002	.0001	-.0006	.0001	.0002	.0001
#3	.0003	-.0006	.0007	.0005	.0002	.0061	.0001	.0001	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0000	.0150	.0082	-.0290	.0001	F-.0013	.0559	.0001	-.0006
Stddev	.0001	.0028	.0312	.0169	.0000	.0003	.0007	.0001	.0006
%RSD	267.7	18.60	380.7	58.24	9.094	19.82	1.273	189.4	105.2
#1	.0002	.0175	.0108	-.0291	.0002	.0015	.0562	.0002	.0001
#2	.0000	.0120	.0380	-.0121	.0001	.0015	.0551	.0001	-.0009
#3	.0000	.0156	-.0242	-.0459	.0001	.0010	.0564	-.0001	-.0009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0005	-.0002	.0005	.0001	.0001	.0006	.0006	.0001	.0000
Stddev	.0003	.0009	.0002	.0001	.0000	.0002	.0003	.0003	.0001
%RSD	64.02	341.7	40.41	163.4	30.47	27.16	55.96	254.4	318.1
#1	.0006	.0000	.0004	.0000	.0001	.0007	.0008	.0004	-.0001
#2	.0007	-.0012	.0007	.0000	.0001	.0007	.0007	-.0001	.0001
#3	.0001	.0004	.0003	.0002	.0001	.0004	.0002	.0000	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.1
7

Sample Name: CCB Acquired: 3/11/2016 15:13:00 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2815.8	5316.4	41970.	3720.8
Stddev	7.4	4.5	136.	33.2
%RSD	.26336	.08413	.32318	.89200
#1	2810.3	5311.9	42068.	3730.4
#2	2812.9	5316.5	42027.	3748.2
#3	2824.3	5320.8	41815.	3683.9

Sample Name: FA32073-8 Acquired: 3/11/2016 15:17:30 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (In2306)
Avg	.0000	.2045	-.0001	.2881	.0000	12.71	-.0001	.0018	.0169
Stddev	.000	.0016	.0003	.0013	.0000	.02	.0000	.0000	.0001
%RSD	1777.	.7601	459.9	4500	82.60	.1424	38.10	2.722	.4739
#1	.0001	.2028	.0000	.2893	.0000	12.73	-.0001	.0018	.0169
#2	.0000	.2049	.0002	.2867	.0000	12.69	-.0001	.0017	.0170
#3	-.0002	.2058	-.0004	.2881	.0001	12.71	-.0001	.0018	.0169

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_2243)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.0291	21.90	12.95	4.971	2.000	.0004	17.57	.0196	-.0016
Stddev	.0001	.04	.07	.048	.004	.0001	.09	.0003	.0006
%RSD	.4776	.2003	.5717	.9736	.1902	14.18	.5011	1.555	40.74
#1	.0291	21.93	13.00	5.019	2.004	.0003	17.63	.0193	-.0023
#2	.0293	21.85	12.87	4.973	1.996	.0004	17.47	.0197	-.0014
#3	.0290	21.92	12.98	4.922	2.000	.0003	17.61	.0199	-.0011

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_2243)	Zn2062 (Y_2243)
Avg	.0012	.0005	4.599	.0003	.0954	.0093	-.0012	.0023	.7988
Stddev	.0003	.0009	.018	.0001	.0007	.0003	.0008	.0002	.0032
%RSD	27.42	172.7	.3898	19.63	.7419	3.254	68.04	8.280	.3990
#1	.0016	.0016	4.593	.0002	.0961	.0091	-.0017	.0024	.7961
#2	.0011	.0002	4.584	.0003	.0947	.0091	-.0003	.0021	.7979
#3	.0010	-.0002	4.619	.0003	.0956	.0097	-.0016	.0024	.8023

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2590.4	5102.4	40244.	3649.2
Stddev	9.5	17.2	131.	16.8
%RSD	.36673	.33698	.32432	.46122
#1	2598.0	5111.1	40184.	3647.5
#2	2593.5	5113.4	40394.	3666.8
#3	2579.8	5082.6	40155.	3633.3

Sample Name: FA32073-12 Acquired: 3/11/2016 15:21:55 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.3078	-.0008	.0444	.0000	3.299	.0000	.0073	.0260
Stddev	.000	.0057	.0004	.0003	.0001	.022	.000	.0002	.0003
%RSD	944.2	1.847	46.98	.6617	4436.	.6803	121.1	2.221	1.224
#1	-.0001	.3013	-.0012	.0447	.0001	3.291	-.0001	.0072	.0262
#2	-.0001	.3118	-.0007	.0445	.0000	3.325	.0000	.0075	.0262
#3	.0002	.3102	-.0005	.0441	-.0001	3.283	.0000	.0073	.0256
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0111	.8713	.6153	1.868	1.523	.0005	55.66	.0145	.0006
Stddev	.0004	.0055	.0252	.023	.004	.0002	.12	.0001	.0003
%RSD	3.573	.6329	4.096	1.219	.2266	35.51	.2143	.5142	48.06
#1	.0115	.8716	.6283	1.869	1.523	.0003	55.63	.0145	.0008
#2	.0107	.8767	.5863	1.890	1.527	.0006	55.79	.0144	.0003
#3	.0110	.8657	.6314	1.845	1.520	.0007	55.56	.0145	.0008
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0012	.0008	5.861	.0000	.0304	.0099	-.0010	.0010	.0747
Stddev	.0007	.0006	.009	.000	.0001	.0004	.0004	.0001	.0002
%RSD	54.80	80.01	.1595	818.4	.3607	4.084	42.93	10.75	.2969
#1	.0009	.0015	5.865	.0001	.0304	.0094	-.0015	.0011	.0749
#2	.0008	.0002	5.867	-.0003	.0305	.0102	-.0007	.0009	.0745
#3	.0020	.0006	5.850	.0001	.0303	.0099	-.0009	.0010	.0746
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2601.3	5143.8	39996.	3615.5					
Stddev	7.9	12.8	136.	2.2					
%RSD	.30419	.24947	.33940	.06096					
#1	2592.2	5130.1	39981.	3618.0					
#2	2605.1	5145.7	39868.	3614.3					
#3	2606.6	5155.6	40138.	3614.1					

Sample Name: FA32072-23 Acquired: 3/11/2016 15:26:20 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.0079	-.0007	.0003	.0000	.0356	.0000	.0000	.0003
Stddev	.0001	.0086	.0003	.0000	.000	.0020	.000	.000	.0001
%RSD	257.7	108.6	46.67	13.25	353.3	5.640	105.4	165.5	38.41
#1	.0002	.0171	-.0008	.0003	.0000	.0336	-.0001	-.0001	.0002
#2	.0000	.0000	-.0009	.0003	.0001	.0376	.0000	-.0001	.0004
#3	.0000	.0066	-.0003	.0004	-.0001	.0355	-.0001	.0000	.0004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0003	.0084	.0397	-.0277	.0003	.0001	.1946	.0002	-.0006
Stddev	.0002	.0002	.0190	.0234	.0000	.0000	.0062	.0001	.0006
%RSD	58.39	2.841	47.89	84.39	11.52	10.11	3.161	30.41	109.3
#1	-.0004	.0082	.0576	-.0380	.0003	.0001	.1975	.0002	-.0008
#2	-.0001	.0085	.0198	-.0009	.0004	.0001	.1989	.0002	.0001
#3	-.0003	.0086	.0417	-.0441	.0003	.0001	.1876	.0003	-.0010
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0006	.0012	.0119	-.0001	.0003	-.0003	-.0012	.0000	.0014
Stddev	.0005	.0014	.0006	.0002	.0001	.0000	.0008	.0001	.0001
%RSD	92.66	120.3	5.000	137.8	16.26	11.74	71.69	875.6	6.387
#1	.0009	.0005	.0122	-.0003	.0003	-.0002	-.0016	-.0001	.0013
#2	.0000	.0028	.0122	-.0001	.0003	-.0002	-.0016	.0000	.0014
#3	.0008	.0002	.0112	.0000	.0004	-.0003	-.0002	.0001	.0015
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2818.5	5325.2	42594.	3731.8					
Stddev	11.6	12.9	198.	23.8					
%RSD	.41177	.24159	.46586	.63740					
#1	2829.2	5330.6	42402.	3706.3					
#2	2820.0	5334.5	42581.	3753.4					
#3	2806.1	5310.5	42798.	3735.6					

7.1
7

Sample Name: FA32077-23 Acquired: 3/11/2016 15:30:52 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0002	.2869	-.0005	.0064	.0000	.2223	.0000	.0001	.0017
Stddev	.0001	.0039	.0002	.0001	.000	.0037	.000	.0001	.0003
%RSD	83.44	1.344	42.86	2.174	324.4	1.644	419.9	79.78	15.07
#1	-.0002	.2835	-.0005	.0063	.0000	.2192	.0000	.0001	.0018
#2	-.0003	.2911	-.0008	.0065	-.0001	.2263	.0000	.0000	.0020
#3	.0000	.2861	-.0003	.0066	.0000	.2214	.0000	.0002	.0014
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0006	.2828	.1223	.0691	.0093	.0001	.2921	.0008	.0045
Stddev	.0000	.0049	.0198	.0098	.0001	.0002	.0042	.0001	.0005
%RSD	6.950	1.720	16.15	14.20	.6342	114.5	1.435	8.028	11.52
#1	.0006	.2776	.1446	.0643	.0093	.0000	.2964	.0009	.0044
#2	.0007	.2872	.1153	.0626	.0093	.0002	.2880	.0008	.0040
#3	.0006	.2836	.1070	.0804	.0094	.0003	.2921	.0008	.0050
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0001	.0005	.5053	-.0001	.0015	.0157	-.0009	.0006	.0117
Stddev	.0003	.0009	.0104	.0002	.0000	.0003	.0005	.0001	.0001
%RSD	198.8	175.6	2.062	152.3	2.502	1.866	52.80	10.45	.5209
#1	-.0002	-.0003	.5170	.0000	.0016	.0156	-.0009	.0006	.0117
#2	.0002	.0014	.5022	-.0003	.0015	.0154	-.0004	.0006	.0118
#3	.0003	.0004	.4968	-.0001	.0015	.0160	-.0014	.0007	.0117
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2809.3	5335.7	42612.	3797.3					
Stddev	5.9	7.6	47.	31.4					
%RSD	.21055	.14154	.11038	.82743					
#1	2803.0	5329.5	42607.	3807.0					
#2	2814.7	5333.4	42662.	3762.2					
#3	2810.2	5344.1	42568.	3822.7					

Sample Name: FA32084-14 Acquired: 3/11/2016 15:35:23 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.4533	-.0002	.0052	.0000	.1771	.0000	.0002	.0022
Stddev	.000	.0111	.0007	.0002	.000	.0054	.000	.0000	.0002
%RSD	510.5	2.440	355.6	4.712	1025.	3.025	79.45	8.671	9.709
#1	-.0002	.4616	-.0003	.0055	.0000	.1728	-.0001	.0002	.0024
#2	.0000	.4407	-.0008	.0050	.0000	.1831	.0000	.0002	.0020
#3	.0001	.4574	.0006	.0052	.0000	.1755	.0000	.0002	.0021
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0006	.4539	.1446	.0828	.0088	.0002	.1663	.0012	.0012
Stddev	.0000	.0043	.0188	.0026	.0001	.0001	.0093	.0001	.0002
%RSD	7.526	.9427	13.01	3.119	.6443	33.19	5.579	9.074	16.69
#1	.0006	.4557	.1579	.0825	.0088	.0001	.1647	.0012	.0011
#2	.0006	.4570	.1231	.0804	.0087	.0001	.1579	.0011	.0014
#3	.0005	.4490	.1529	.0855	.0088	.0002	.1762	.0014	.0010
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)</					

Sample Name: FA31930-5 Acquired: 3/11/2016 15:39:54 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.0529	0.006	0.0171	0.000	34.11	-0.001	0.001	0.003
Stddev	0.002	0.0078	0.0008	0.002	0.000	0.11	0.000	0.001	0.002
%RSD	187.2	14.77	128.9	0.9217	160.9	0.3335	41.89	149.8	68.04
#1	0.001	0.049	0.001	0.0170	0.000	34.19	-0.001	0.001	0.001
#2	-0.003	0.0605	0.016	0.0173	-0.001	34.16	-0.001	0.000	0.005
#3	-0.002	0.0531	0.003	0.0170	0.000	33.98	-0.001	0.000	0.004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.002	0.008	0.004	8.169	0.029	0.000	10.42	0.001	-0.006
Stddev	0.003	0.011	0.0191	0.042	0.001	0.000	0.03	0.001	0.002
%RSD	2.985	13.32	2.113	0.5082	2.195	531.9	0.3013	3.465	36.72
#1	0.090	0.090	0.890	8.176	0.030	0.000	10.46	0.042	-0.004
#2	0.090	0.069	0.9258	8.206	0.029	0.000	10.41	0.040	-0.008
#3	0.095	0.081	0.8985	8.124	0.030	0.001	10.40	0.040	-0.008
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.004	0.010	4.658	-0.001	0.5349	0.005	-0.005	-0.003	0.0723
Stddev	0.012	0.006	0.013	0.002	0.009	0.001	0.009	0.001	0.001
%RSD	289.7	63.57	0.2861	360.8	0.1715	10.76	185.3	53.63	1.075
#1	0.018	0.008	4.650	-0.001	0.5352	0.005	0.003	-0.002	0.0724
#2	-0.005	0.005	4.651	-0.002	0.5357	0.004	-0.014	-0.004	0.0722
#3	0.000	0.017	4.674	0.001	0.5339	0.005	-0.003	-0.002	0.0723
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2679.9	5203.8	4125.1	3718.0					
Stddev	7	5.1	76	26.5					
%RSD	0.2713	0.09734	0.18359	0.71162					
#1	2680.2	5208.9	4127.2	3697.0					
#2	2679.1	5203.5	4131.3	3709.2					
#3	2680.5	5198.8	41166	3747.7					

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Sample Name: FA31998-10 Acquired: 3/11/2016 15:44:22 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.000	0.0257	0.005	0.0354	-0.001	39.84	-0.001	0.008	0.008
Stddev	0.003	0.0068	0.0005	0.003	0.000	0.05	0.000	0.001	0.000
%RSD	129.3	26.60	113.3	0.8660	46.70	0.1314	63.75	7.878	5.785
#1	-0.002	0.0234	0.009	0.0358	-0.001	39.87	-0.001	0.007	0.008
#2	-0.004	0.0202	0.006	0.0354	0.000	39.86	0.000	0.008	0.008
#3	-0.001	0.0333	-0.001	0.0352	-0.001	39.78	0.000	0.009	0.007
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.003	0.028	1.036	9.627	0.0174	0.008	10.33	0.013	-0.007
Stddev	0.001	0.0037	0.012	0.018	0.001	0.001	0.02	0.001	0.005
%RSD	28.18	136.0	1.191	0.1860	0.4016	8.850	0.2361	6.131	78.78
#1	0.004	-0.016	1.050	9.645	0.0173	0.009	10.36	0.014	-0.012
#2	0.003	0.048	1.028	9.628	0.0175	0.007	10.32	0.013	-0.007
#3	0.002	0.050	1.030	9.609	0.0175	0.007	10.32	0.012	-0.001
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.003	-0.009	4.924	0.001	0.6206	0.003	-0.011	0.034	0.0236
Stddev	0.003	0.005	0.007	0.001	0.021	0.001	0.004	0.001	0.001
%RSD	79.55	62.10	0.1405	195.5	0.3459	17.10	34.91	4.161	0.2811
#1	0.004	-0.011	4.926	0.001	0.6230	0.003	-0.010	0.033	0.0236
#2	0.000	-0.003	4.916	-0.001	0.6201	0.004	-0.007	0.035	0.0236
#3	0.006	-0.013	4.929	0.001	0.6188	0.003	-0.014	0.033	0.0235
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2647.2	5154.4	4088.5	3705.1					
Stddev	5.3	9.8	48	4.4					
%RSD	0.2018	0.19006	0.11839	0.11821					
#1	2641.1	5143.9	4094.1	3700.9					
#2	2650.3	5163.3	4086.2	3704.7					
#3	2650.2	5156.0	4085.2	3709.7					

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7.1
7

Sample Name: FA32054-6 Acquired: 3/11/2016 15:48:49 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.001	0.0162	-0.001	0.0210	0.000	35.61	-0.001	0.007	0.003
Stddev	0.001	0.0050	0.0004	0.004	0.000	0.13	0.000	0.000	0.001
%RSD	78.55	30.79	407.7	1.771	326.4	0.3577	24.51	6.642	56.37
#1	0.002	0.0219	0.003	0.0212	0.000	35.47	-0.001	0.007	0.004
#2	0.002	0.0141	-0.005	0.0206	0.000	35.64	-0.001	0.007	0.002
#3	0.000	0.0126	-0.001	0.0213	-0.001	35.72	-0.001	0.008	0.001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.010	-0.005	8.920	8.682	0.005	10.80	0.009	-0.009	-0.006
Stddev	0.003	0.0022	0.0449	0.012	0.001	0.001	0.04	0.002	0.007
%RSD	26.41	481.0	5.033	0.1430	1.115	5.542	0.3615	23.69	118.2
#1	0.013	-0.027	8.420	8.692	0.005	10.77	0.011	0.001	0.001
#2	0.008	-0.003	9.055	8.668	0.005	10.78	0.007	-0.006	0.000
#3	0.010	0.017	9.287	8.686	0.003	10.84	0.010	-0.013	0.000
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.001	0.015	4.240	0.000	0.5521	0.002	-0.019	0.034	0.188
Stddev	0.012	0.005	0.010	0.000	0.0031	0.000	0.012	0.001	0.001
%RSD	1161.	37.27	0.2288	543.3	0.5542	9.152	62.86	2.101	0.5527
#1	0.009	0.020	4.251	-0.003	0.5490	0.002	-0.032	0.034	0.189
#2	-0.013	0.014	4.239	0.001	0.5521	0.002	-0.014	0.035	0.187
#3	0.007	0.009	4.232	0.001	0.5551	0.002	-0.010	0.033	0.187
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2618.6	5093.4	4033.9	3662.7					
Stddev	2.2	8.7	65	13.2					
%RSD	0.08476	0.17012	0.16135	0.36064					
#1	2616.1	5086.6	4027.2	3663.4					
#2	2620.4	5090.5	4034.2	3675.5					
#3	2619.2	5103.2	4040.2	3649.2					

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Sample Name: FA32106-13 Acquired: 3/11/2016 15:53:17 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.000	0.0629	0.003	0.0362	-0.001	38.94	-0.001	0.008	0.004
Stddev	0.000	0.0079	0.0006	0.000	0.001	0.19	0.000	0.002	0.000
%RSD	658.8	12.60	215.3	0.0857	81.51	0			

Sample Name: CCV Acquired: 3/11/2016 16:02:14 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2463	39.44	2.006	1.970	2.011	39.67	2.030	2.007	2.032
Stddev	.0002	.12	.005	.005	.007	.09	.005	.007	.002
%RSD	.0677	.2959	.2275	.2509	.3458	.2275	.2295	.3358	.0734
#1	.2464	39.43	2.011	1.973	2.007	39.57	2.035	2.014	2.033
#2	.2461	39.56	2.004	1.974	2.019	39.73	2.025	2.000	2.033
#3	.2464	39.32	2.003	1.965	2.006	39.71	2.030	2.008	2.031

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.971	39.30	38.96	39.49	2.061	2.016	39.52	2.037	1.986
Stddev	.002	.07	.01	.08	.004	.005	.11	.005	.008
%RSD	.1039	.1885	.0348	.1975	.1728	.2684	.2908	.2370	.4252
#1	1.970	39.29	38.97	39.56	2.059	2.018	39.48	2.041	1.990
#2	1.969	39.38	38.95	39.50	2.060	2.009	39.64	2.032	1.976
#3	1.973	39.24	38.95	39.40	2.065	2.019	39.42	2.039	1.991

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.988	1.999	1.941	2.039	2.019	2.052	1.997	2.049	2.021
Stddev	.004	.006	.005	.006	.007	.004	.008	.004	.005
%RSD	.1829	.2867	.2495	.2780	.3662	.2065	.3789	.2022	.2304
#1	1.992	2.005	1.941	2.045	2.020	2.048	2.001	2.045	2.026
#2	1.987	1.994	1.936	2.033	2.026	2.052	1.988	2.048	2.017
#3	1.985	1.998	1.946	2.038	2.011	2.056	2.001	2.053	2.021

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/11/2016 16:02:14 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2399.0	5011.1	3959.7	3696.6
Stddev	13.5	14.6	31.	7.2
%RSD	.56099	.29205	.07874	.19515
#1	2391.5	4998.0	39588.	3701.3
#2	2414.5	5026.9	39570.	3688.3
#3	2390.9	5008.4	39631.	3700.1

Sample Name: CCB Acquired: 3/11/2016 16:06:24 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0044	.0005	.0005	.0002	.0017	.0001	.0001	.0002
Stddev	.0002	.0058	.0004	.0004	.0001	.0021	.0000	.0001	.0000
%RSD	224.7	133.8	82.74	84.60	29.30	123.1	23.92	113.8	30.02
#1	.0004	.0103	.0010	.0009	.0002	.0026	.0001	.0000	.0002
#2	-.0001	-.0014	.0001	.0001	.0003	-.0007	.0001	.0002	.0002
#3	.0000	.0042	.0004	.0004	.0001	.0032	.0001	.0000	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0146	.0184	-.0265	.0002	F .0013	.0521	.0002	-.0002
Stddev	.000	.0025	.0203	.0080	.0000	.0002	.0080	.0001	.0003
%RSD	92.02	17.32	110.5	30.12	15.99	17.92	15.34	50.70	152.2
#1	.0000	.0175	.0415	-.0173	.0002	.0016	.0610	.0003	.0001
#2	.0000	.0126	.0099	-.0302	.0002	.0014	.0455	.0001	-.0003
#3	-.0001	.0138	.0037	-.0319	.0002	.0011	.0497	.0002	-.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0000	.0000	.0000	.0003	.0007	.0002	.0000	.0000
Stddev	.0002	.001	.001	.000	.0001	.0002	.0006	.0001	.000
%RSD	118.9	8326.	6577.	982.9	45.83	27.23	290.1	154.7	146.8
#1	.0003	.0002	.0003	.0000	.0004	.0009	.0007	.0000	.0000
#2	-.0001	.0008	.0003	.0003	.0003	.0005	.0004	.0000	.0000
#3	.0003	-.0011	-.0006	-.0004	.0001	.0006	-.0004	.0001	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/11/2016 16:06:24 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2791.8	5243.0	41349.	3680.5
Stddev	5.3	8.9	126.	27.8
%RSD	.18948	.16964	.30367	.75556
#1	2793.7	5250.1	41474.	3707.6
#2	2796.0	5245.9	41223.	3652.0
#3	2785.9	5233.1	41351.	3681.9

Sample Name: MP30101-MB1 Acquired: 3/11/2016 16:10:57 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0040	-0.0003	.0001	.0000	.0135	.0000	-0.0001	.0006
Stddev	.0003	.0054	.0006	.0002	.000	.0020	.000	.0000	.0001
%RSD	536.7	133.8	191.6	131.8	10720.	14.58	27.37	52.15	11.72
#1	.0003	.0094	-0.0007	.0002	.0000	.0155	.0000	-0.0001	.0007
#2	.0002	.0041	-0.0007	.0003	.0001	.0133	.0000	.0000	.0006
#3	-0.0003	-0.0014	.0004	-0.0001	-0.0001	.0116	.0000	-0.0001	.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0180	.0330	-0.0185	.0006	.0005	.0517	.0003	-0.0001
Stddev	.0001	.0013	.0140	.0166	.0000	.0001	.0066	.0001	.0005
%RSD	423.3	7.387	42.36	89.76	1.443	24.20	12.77	47.02	404.7
#1	-0.0001	.0180	.0202	-0.0326	.0006	.0006	.0592	.0005	-0.0007
#2	.0001	.0194	.0309	-0.002	.0006	.0003	.0490	.0002	.0003
#3	.0001	.0167	.0479	-0.0225	.0005	.0004	.0468	.0002	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0013	.0035	.0197	.0001	.0000	-0.0007	.0001	.0014
Stddev	.0004	.0010	.0005	.0003	.0001	.000	.0003	.0002	.0000
%RSD	54.91	79.78	14.09	1.529	94.51	337.7	45.52	302.7	3.265
#1	.0005	.0001	.0039	.0194	.0001	.0000	-0.0010	.0003	.0014
#2	.0012	.0016	.0036	.0200	.0000	-0.0001	-0.0003	.0000	.0014
#3	.0005	.0021	.0029	.0197	.0001	.0000	-0.0008	-0.0001	.0014

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30101-MB1 Acquired: 3/11/2016 16:10:57 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2818.3	5259.3	42331.	3768.3
Stddev	5.6	4.7	52.	19.9
%RSD	.19930	.08922	.12323	.52847
#1	2824.7	5263.7	42332.	3787.9
#2	2814.8	5260.0	42278.	3748.1
#3	2815.2	5254.4	42382.	3769.1

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0180	.0330	-0.0185	.0006	.0005	.0517	.0003	-0.0001
Stddev	.0001	.0013	.0140	.0166	.0000	.0001	.0066	.0001	.0005
%RSD	423.3	7.387	42.36	89.76	1.443	24.20	12.77	47.02	404.7
#1	-0.0001	.0180	.0202	-0.0326	.0006	.0006	.0592	.0005	-0.0007
#2	.0001	.0194	.0309	-0.002	.0006	.0003	.0490	.0002	.0003
#3	.0001	.0167	.0479	-0.0225	.0005	.0004	.0468	.0002	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0013	.0035	.0197	.0001	.0000	-0.0007	.0001	.0014
Stddev	.0004	.0010	.0005	.0003	.0001	.000	.0003	.0002	.0000
%RSD	54.91	79.78	14.09	1.529	94.51	337.7	45.52	302.7	3.265
#1	.0005	.0001	.0039	.0194	.0001	.0000	-0.0010	.0003	.0014
#2	.0012	.0016	.0036	.0200	.0000	-0.0001	-0.0003	.0000	.0014
#3	.0005	.0021	.0029	.0197	.0001	.0000	-0.0008	-0.0001	.0014

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30101-B1 Acquired: 3/11/2016 16:15:30 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0494	29.41	2.090	2.110	.0551	27.43	.0543	.5324	2.183
Stddev	.0004	.16	.005	.003	.0002	.06	.0001	.0010	.0008
%RSD	.8017	.5357	.2307	.1631	.3810	.2144	.1565	.1920	.3842
#1	.0497	29.59	2.091	2.114	.0552	27.49	.0542	.5322	2.189
#2	.0489	29.28	2.085	2.110	.0551	27.41	.0543	.5315	2.174
#3	.0494	29.37	2.094	2.107	.0548	27.38	.0544	.5335	2.187

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2692	28.67	26.49	27.47	.5734	.5399	27.05	.5474	.5175
Stddev	.0004	.10	.09	.21	.0022	.0008	.12	.0016	.0012
%RSD	.1412	.3607	.3460	.7547	.3861	.1391	4.308	.2844	.2296
#1	.2694	28.77	26.59	27.66	.5756	.5399	27.18	.5475	.5174
#2	.2688	28.56	26.48	27.25	.5712	.5392	26.96	.5458	.5163
#3	.2694	28.67	26.40	27.50	.5735	.5407	27.02	.5489	.5187

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5218	2.104	.0228	.5729	.5428	.5913	2.068	.5107	.5429
Stddev	.0011	.000	.0004	.0008	.0023	.0013	.001	.0012	.0013
%RSD	.2170	.0190	1.715	.1461	.4162	.2154	.0492	.2333	.2317
#1	.5209	2.104	.0232	.5731	.5453	.5926	2.068	.5120	.5418
#2	.5214	2.105	.0226	.5719	.5409	.5900	2.069	.5104	.5426
#3	.5231	2.105	.0225	.5735	.5423	.5912	2.067	.5097	.5443

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30101-B1 Acquired: 3/11/2016 16:15:30 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2493.3	5065.0	40212.	3716.9
Stddev	5.5	9.9	72.	28.8
%RSD	.22098	.19495	.17897	.77476
#1	2487.2	5056.2	40204.	3686.4
#2	2497.9	5075.7	40288.	3743.7
#3	2494.8	5063.1	40144.	3720.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2692	28.67	26.49	27.47	.5734	.5399	27.05	.5474	.5175
Stddev	.0004	.10	.09	.21	.0022	.0008	.12	.0016	.0012
%RSD	.1412	.3607	.3460	.7547	.3861	.1391	4.308	.2844	.2296
#1	.2694	28.77	26.59	27.66	.5756	.5399	27.18	.5475	.5174
#2	.2688	28.56	26.48	27.25	.5712	.5392	26.96	.5458	.5163
#3	.2694	28.67	26.40	27.50	.5735	.5407	27.02	.5489	.5187

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5218	2.104	.0228	.5729	.5428	.5913	2.068	.5107	.5429
Stddev	.0011	.000	.0004	.0008	.0023	.0013	.001	.0012	.0013
%RSD	.2170	.0190	1.715	.1461	.4162	.2154	.0492	.2333	.2317
#1	.5209	2.104	.0232	.5731	.5453	.5926	2.068	.5120	.5418
#2	.5214	2.105	.0226	.5719	.5409	.5900	2.069	.5104	.5426
#3	.5231	2.105	.0225	.5735	.5423	.5912	2.067	.5097	.5443

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: FA32072-7 Acquired: 3/11/2016 16:19:44 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0001	258.9	.1125	2.488	.0088	173.8	.0165	1.569	.4527
Stddev	.0003	.4	.0019	.010	.0001	.2	.0003	.0004	.0003
%RSD	252.4	.1408	1.710	.4114	.7890	.1068	1.620	.2323	.0750
#1	-.0001	259.3	.1137	2.498	.0089	173.6	.0162	1.565	.4526
#2	-.0005	258.8	.1135	2.488	.0088	174.0	.0167	1.572	.4524
#3	.0000	258.6	.1102	2.478	.0087	173.9	.0165	1.569	.4531
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6091	372.1	67.02	116.2	7.403	.0132	4.385	3.666	1.431
Stddev	.0003	.3	.12	.2	.023	.0001	.036	.0011	.003
%RSD	.0477	.0866	.1813	.1599	.3156	.8477	.8333	.3084	.2381
#1	.6088	372.5	67.10	116.2	7.390	.0132	4.425	3.661	1.429
#2	.6094	372.0	67.08	116.0	7.389	.0132	4.355	3.679	1.428
#3	.6091	371.9	66.88	116.4	7.430	.0134	4.375	3.658	1.435
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0039	-.0019	2.460	.0402	.9537	15.82	.0001	7.145	2.199
Stddev	.0014	.0044	.003	.0005	.0035	.02	.0025	.0031	.003
%RSD	36.43	237.5	.1306	1.305	3.716	.1199	2001.	4.824	1.297
#1	.0050	-.0000	2.456	.0406	.9578	15.81	.0003	7.135	2.196
#2	.0023	-.0013	2.462	.0396	.9522	15.80	.0025	7.120	2.202
#3	.0045	-.0069	2.462	.0405	.9511	15.84	-.0024	7.179	2.199
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2425.8	5846.7	4618.7	4338.6					
Stddev	3.9	11.4	83.	2.8					
%RSD	.16059	.19531	.18014	.06477					
#1	2421.5	5849.9	46248.	4338.4					
#2	2427.0	5834.1	46222.	4335.9					
#3	2429.0	5856.2	46092.	4341.5					

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Sample Name: MP30101-D1 Acquired: 3/11/2016 16:24:19 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.0005	262.3	.1121	2.396	.0091	192.8	.0163	1.558	.4534
Stddev	.0009	.6	.0004	.009	.0001	.1	.0002	.0006	.0070
%RSD	169.1	.2337	.3543	.3806	1.243	.0453	1.475	.3630	1.552
#1	-.0005	261.9	.1116	2.388	.0091	192.7	.0163	1.552	.4581
#2	-.0014	263.1	.1122	2.395	.0090	192.9	.0161	1.564	.4453
#3	.0004	262.1	.1124	2.406	.0092	192.9	.0166	1.557	.4568
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6142	371.0	68.51	114.7	7.644	.0142	4.475	3.665	1.373
Stddev	.0070	.9	.08	.2	.150	.0006	.026	.0008	.003
%RSD	1.143	.2554	.1214	.1968	1.957	4.149	.5916	.2119	.1999
#1	.6187	370.4	68.43	114.9	7.746	.0148	4.445	3.667	1.375
#2	.6061	372.1	68.51	114.7	7.472	.0143	4.485	3.656	1.370
#3	.6177	370.5	68.59	114.4	7.713	.0136	4.495	3.672	1.373
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0038	-.0069	2.718	.0407	.9735	16.12	.0005	7.259	2.161
Stddev	.0027	.0014	.002	.0006	.0032	.28	.0020	.0119	.004
%RSD	70.80	20.17	.0649	1.595	.3312	1.723	369.3	1.637	.1694
#1	.0066	-.0070	2.716	.0411	.9702	16.32	-.0017	7.357	2.165
#2	.0013	-.0054	2.717	.0411	.9766	15.81	.0010	7.127	2.159
#3	.0034	-.0082	2.719	.0400	.9736	16.24	.0023	7.293	2.158
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2421.4	5906.6	4599.6	4310.1					
Stddev	1.6	2.3	745.	22.2					
%RSD	.06647	.03978	1.6200	.51415					
#1	2423.1	5908.2	45506.	4293.4					
#2	2419.9	5903.9	46854.	4301.7					
#3	2421.1	5907.6	45629.	4335.3					

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Sample Name: MP30101-SD1 Acquired: 3/11/2016 16:28:55 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0045	304.7	1.327	2.873	.0098	202.6	.0188	.1914	.5452
Stddev	.0034	1.6	.0040	.011	.0009	1.1	.0001	.0005	.0013
%RSD	76.61	5.356	3.032	.3764	8.833	.5545	.6090	.2866	2.383
#1	.0037	304.5	1.354	2.885	.0106	202.1	.0189	.1920	.5452
#2	.0015	303.1	1.280	2.865	.0089	201.8	.0188	.1914	.5465
#3	.0082	306.4	1.346	2.870	.0099	203.9	.0187	.1909	.5439
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6944	447.3	77.84	134.9	9.145	.0152	6.047	4.423	1.479
Stddev	.0034	2.6	.43	1.2	.030	.0020	.033	.0032	.010
%RSD	.4952	.5792	.5514	.9177	.3246	12.84	.5370	.7284	.6465
#1	.6906	447.6	77.84	134.6	9.120	.0130	6.028	4.387	1.469
#2	.6952	444.6	77.41	133.9	9.178	.0157	6.028	4.450	1.488
#3	.6973	449.7	78.27	136.3	9.137	.0168	6.084	4.431	1.480
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0040	-.0034	43.50	.0498	1.118	20.20	.0030	.8518	2.723
Stddev	.0073	.0137	4.77	.0014	.006	.14	.0056	.0031	.002
%RSD	180.5	399.1	10.96	2.781	.5703	.7094	186.4	.3619	.0673
#1	-.0042	-.0073	40.25	.0496	1.118	20.03	-.0031	.8509	2.724
#2	-.0097	-.0188	41.27	.0485	1.111	20.27	.0042	.8552	2.721
#3	.0066	.0012	48.97	.0512	1.124	20.29	.0079	.8493	2.725
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2626.9	5368.8	4244.6	3885.4					
Stddev	4.2	4.5	147.	33.7					
%RSD	.15952	.08367	.34632	.86648					
#1	2631.5	5370.6	42526.	3891.2					
#2	2625.9	5372.1	42277.	3915.8					
#3	2623.3	5363.7	42536.	3849.3					

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Sample Name: MP30101-PS1 Acquired: 3/11/2016 16:33:16 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0435	265.1	.2065	2.750	.0537	180.2	.0608	2.018	.5004
Stddev	.0008	1.7	.0009	.018	.0003	.6	.0009	.0014	.0006
%RSD	1.885	.6367	.4352	.6533	.5372	3.409	1.408	.6880	.1169
#1	-.0427	264.6	.2066	2.741	.0540	179.5	.0613	2.029	.5003
#2	-.0435	263.7	.2074	2.739	.0536	180.2	.0613	2.023	.5000
#3	.0443	267.0	.2056	2.771	.0535	180.7	.0598	2.003	.5011
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7123	379.7	76.28	121.6	7.532	.0964	13.43	4.600	1.507
Stddev	.0028	2.2	.32	.4	.033	.0005	.08	.0036	.014
%RSD	.3982	.5672	.4197	.3506	.4323	.5024	.6073	.7897	.9056
#1	.7155	378.6	75.96	121.5	7.512				

Sample Name: MP30101-S1 Acquired: 3/11/2016 16:37:50 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.443	308.8	1.925	4.527	0.570	208.4	0.641	6.096	6.797
Stddev	.0011	4.0	.004	.058	.0008	2.4	.0004	.0013	.0014
%RSD	2.381	1.311	.1948	1.276	1.431	1.138	.5503	.2078	.2132
#1	.0451	304.1	1.924	4.460	.0560	205.7	.0645	6.106	.6781
#2	.0448	310.9	1.922	4.560	.0575	210.1	.0638	6.082	.6801
#3	.0431	311.3	1.929	4.561	.0574	209.3	.0639	6.101	.6809
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	9.402	432.5	92.65	157.8	8.429	4.291	28.76	8.490	2.309
Stddev	.0009	5.5	1.30	2.0	.023	.0016	.36	.0014	.004
%RSD	.0911	1.279	1.404	1.259	.2721	.3812	1.259	.1662	.1543
#1	.9408	426.2	91.15	155.5	8.403	4.307	28.35	8.491	2.309
#2	.9392	435.3	93.51	159.3	8.436	4.275	28.91	8.475	2.312
#3	.9405	436.2	93.29	158.6	8.447	4.290	29.02	8.504	2.305
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.712	1.783	2.688	4.820	1.527	19.13	1.992	1.210	2.924
Stddev	.0024	.002	.002	.0017	.021	.01	.004	.003	.008
%RSD	3.418	1.203	.0856	.3591	1.404	.0273	.2066	.2721	.2807
#1	.0721	1.781	2.686	4.840	1.503	19.12	1.988	1.207	2.934
#2	.0684	1.785	2.691	4.809	1.535	19.13	1.993	1.210	2.920
#3	.0730	1.782	2.687	4.810	1.544	19.13	1.996	1.214	2.918
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2352.0	5708.2	4518.4	4229.9					
Stddev	2.6	11.8	81.	42.0					
%RSD	.11005	.20624	.17825	.99350					
#1	2354.4	5714.5	4527.2	4277.4					
#2	2352.4	5715.6	45167.	4197.5					
#3	2349.3	5694.6	45114.	4215.0					

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Sample Name: MP30101-S2 Acquired: 3/11/2016 16:42:20 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.440	287.1	1.934	4.250	0.552	341.8	0.635	6.001	6.385
Stddev	.0005	.7	.006	.014	.0002	1.4	.0001	.0011	.0039
%RSD	1.204	.2544	.3064	.3322	.4510	.4146	.1266	.1806	.6142
#1	.0434	286.5	1.932	4.233	.0549	341.3	.0634	5.999	.6342
#2	.0443	287.1	1.941	4.257	.0553	340.7	.0636	6.013	.6394
#3	.0443	287.9	1.929	4.259	.0554	343.4	.0635	5.991	.6419
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	8.432	395.7	89.32	140.0	7.513	4.215	28.01	8.457	2.302
Stddev	.0037	1.2	.40	.9	.016	.0013	.11	.0016	.007
%RSD	.4401	.3102	.4445	.6510	.2143	.3093	.3808	.1865	.3056
#1	.8392	395.4	89.01	140.0	7.504	4.210	27.92	8.446	2.296
#2	.8464	394.6	89.18	139.1	7.503	4.230	27.98	8.475	2.302
#3	.8441	397.0	89.76	141.0	7.531	4.205	28.13	8.451	2.310
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.780	1.805	2.640	4.734	1.446	16.08	1.996	1.125	2.569
Stddev	.0009	.008	.006	.0010	.003	.03	.005	.008	.005
%RSD	1.154	.4596	.2346	.2138	.2021	.1995	.2376	.7345	.1789
#1	.0777	1.806	2.634	4.738	1.442	16.04	1.991	1.116	2.569
#2	.0774	1.812	2.646	4.741	1.447	16.11	1.998	1.131	2.573
#3	.0791	1.796	2.639	4.722	1.448	16.08	2.000	1.128	2.564
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2295.3	5606.5	4580.7	4301.5					
Stddev	7.7	17.1	144.	31.4					
%RSD	.33378	.30511	.31462	.72992					
#1	2304.1	5621.5	4596.1	4306.8					
#2	2290.2	5587.9	4567.5	4329.9					
#3	2291.5	5610.2	4578.7	4267.8					

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7.1
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Sample Name: FA32071-18 Acquired: 3/11/2016 16:46:52 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.007	300.0	0.809	2.778	0.121	91.54	0.152	1.692	5.120
Stddev	.0008	1.0	.0012	.001	.0001	.56	.0003	.0004	.0035
%RSD	108.6	.3471	1.453	.0212	.8334	.6151	2.152	.2216	.6906
#1	-0.012	300.3	.0806	2.778	.0122	91.52	.0149	1.688	5.125
#2	-0.011	300.8	.0798	2.778	.0120	92.11	.0153	1.696	5.083
#3	-0.002	298.8	.0821	2.779	.0121	90.98	.0155	1.692	5.153
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	4.579	423.2	86.88	106.7	7.638	0.270	9.611	4.196	2.350
Stddev	.0027	1.5	.29	.8	.055	.0002	.025	.0010	.0013
%RSD	.5946	.3560	.3346	.7520	.7237	.7392	.2570	.2304	.5633
#1	4.591	423.5	87.13	106.9	7.618	.0268	9.632	4.206	2.358
#2	4.548	424.5	86.96	107.4	7.595	.0272	9.583	4.187	2.357
#3	4.598	421.5	86.56	105.8	7.700	.0271	9.617	4.194	2.334
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.040	-0.048	2.080	0.221	9.023	11.46	-0.035	7.907	1.226
Stddev	.0030	.0011	.006	.0003	.0010	.09	.0033	.0067	.006
%RSD	74.34	22.67	.2968	1.380	.1152	.7453	92.45	8.441	.5045
#1	.0052	-0.037	2.074	.0222	.9014	11.48	-0.013	7.903	1.232
#2	.0063	-0.046	2.078	.0218	.9020	11.36	-0.020	7.842	1.226
#3	.0006	-0.059	2.086	.0223	.9034	11.53	-0.073	7.975	1.220
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2453.3	6415.1	5110.4	4868.8					
Stddev	7.1	10.0	333.	32.8					
%RSD	.29017	.15658	.65226	.67394					
#1	2446.9	6424.4	5115.2	4865.6					
#2	2452.2	6404.5	5141.1	4837.7					
#3	2461.0	6416.3	5074.9	4903.1					

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Sample Name: FA32071-19 Acquired: 3/11/2016 16:51:28 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.016	265.0	1.102	5.586	0.099	109.3	0.263	1.474	5.566
Stddev	.0006	.5	.0008	.009	.0002	.3	.0004	.0001	.0020
%RSD	37.68	.2063	.7588	.1572	1.566	2.667	1.449	0.363	3.600
#1	.0015	265.2	.1098	5.578	.0101	109.6	.0261	1.475	5.578
#2	.0022	264.4	.1111	5.584	.0098	109.0	.0262	1.474	5.578
#3	.0010	265.5	.1096	5.596	.0099	109.4	.0268	1.475	5.543
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.774	380.1	78.87	89.82	7.061	0.239	4.805	3.977	3.214
Stddev	.003	1.1	.05	.47	.014	.0001	.002	.0009	.006
%RSD	.1474	.2860	.0658						

Sample Name: CCV Acquired: 3/11/2016 16:56:01 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2467	39.29	2.045	1.953	2.026	38.74	2.046	2.027	2.017
Stddev	.0004	.19	.001	.006	.008	.16	.005	.003	.007
%RSD	.1550	.4857	.0294	.3238	.4143	.4114	.2478	.1374	.3675
#1	.2469	39.43	2.046	1.960	2.034	38.91	2.048	2.028	2.022
#2	.2463	39.36	2.045	1.953	2.027	38.73	2.041	2.024	2.008
#3	.2470	39.07	2.045	1.947	2.018	38.59	2.050	2.030	2.020

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.995	39.08	38.42	38.73	2.074	2.048	39.72	2.069	1.981
Stddev	.003	.15	.15	.22	.005	.004	.20	.004	.010
%RSD	.1543	.3850	.3874	.5591	.2577	.2176	.5090	.1989	.5136
#1	1.996	39.22	38.45	38.86	2.078	2.047	39.95	2.070	1.992
#2	1.998	39.09	38.55	38.84	2.068	2.044	39.66	2.064	1.972
#3	1.992	38.92	38.25	38.48	2.076	2.052	39.56	2.072	1.980

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.054	2.037	2.006	2.039	2.045	2.085	2.015	2.059	1.989
Stddev	.005	.008	.005	.006	.009	.003	.004	.006	.005
%RSD	.2339	.3924	.2315	.3063	.4277	.1462	.2256	.2881	.2731
#1	2.056	2.032	2.006	2.042	2.055	2.088	2.020	2.063	1.994
#2	2.049	2.032	2.001	2.031	2.042	2.085	2.011	2.052	1.983
#3	2.058	2.046	2.010	2.043	2.039	2.082	2.016	2.061	1.990

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/11/2016 16:56:01 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2401.9	4932.5	40140.	3784.1
Stddev	2.5	9.7	110.	5.1
%RSD	.10224	.19639	.27404	.13420
#1	2399.1	4939.2	40016.	3785.5
#2	2403.3	4936.9	40228.	3788.3
#3	2403.3	4921.4	40174.	3778.5

7.1
7

Sample Name: CCB Acquired: 3/11/2016 17:00:13 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0030	.0002	.0003	.0001	.0051	.0001	.0001	.0003
Stddev	.0002	.0094	.0004	.0001	.0001	.0029	.0000	.0001	.0001
%RSD	63.20	318.9	177.2	36.75	47.23	57.02	14.91	55.65	30.71
#1	.0006	-.0078	.0000	.0002	.0002	.0075	.0001	.0001	.0005
#2	.0002	.0072	.0007	.0004	.0001	.0019	.0001	.0001	.0003
#3	.0003	.0095	.0000	.0002	.0001	.0060	.0001	.0002	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0213	.0134	-.0127	.0002	F .0013	.0302	.0001	-.0003
Stddev	.0001	.0026	.0136	.0218	.0000	.0003	.0114	.0002	.0006
%RSD	44.00	12.24	101.6	171.3	5.752	20.87	37.79	166.6	234.8
#1	.0003	.0236	.0041	-.0082	.0002	.0016	.0365	.0004	-.0010
#2	.0001	.0218	.0071	-.0365	.0002	.0013	.0171	-.0001	-.0001
#3	.0002	.0185	.0289	.0065	.0002	.0010	.0372	.0002	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit
 .0010
 -.0010

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0006	-.0005	-.0003	.0003	.0012	-.0003	.0001	.0000
Stddev	.0002	.0019	.0004	.0001	.0001	.0001	.0003	.0001	.0000
%RSD	124.1	310.8	86.37	20.86	26.08	10.59	87.88	170.3	107.5
#1	.0001	-.0012	-.0008	-.0002	.0003	.0012	-.0005	.0002	.0001
#2	.0003	.0006	.0000	-.0003	.0002	.0011	-.0004	.0001	.0000
#3	.0000	.0025	-.0008	-.0003	.0003	.0013	.0000	.0000	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/11/2016 17:00:13 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2853.2	5276.1	43019.	3937.9
Stddev	2.1	10.2	6.	20.0
%RSD	.07314	.19277	.01337	.50872
#1	2855.6	5287.8	43016.	3927.7
#2	2852.3	5271.0	43016.	3925.1
#3	2851.8	5269.4	43026.	3961.0

Sample Name: FA32071-20 Acquired: 3/11/2016 17:04:46 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	312.0	0.1070	3.329	0.0119	97.94	0.0203	1.771	5.547
Stddev	0.003	7	0.0024	0.008	0.0001	21	0.0003	0.0008	0.014
%RSD	120.9	2.297	2.205	2.337	5.187	2.118	1.364	4.716	2.487
#1	0.000	312.5	0.1062	3.331	0.0120	98.18	0.0200	1.762	5.562
#2	-0.002	311.2	0.1097	3.321	0.0119	97.85	0.0204	1.776	5.543
#3	-0.006	312.3	0.1052	3.336	0.0120	97.80	0.0205	1.776	5.536
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	6.269	428.6	95.01	103.8	F 8.259	0.282	5.912	4.540	1.155
Stddev	0.040	1.2	0.07	5	0.052	0.0001	0.022	0.013	0.010
%RSD	0.6429	2.685	0.0718	4.705	0.6307	0.5044	0.3720	0.2852	0.8419
#1	6.265	429.8	95.00	104.3	8.230	0.282	5.903	4.525	1.144
#2	6.230	427.5	94.94	103.5	8.228	0.281	5.895	4.550	1.162
#3	6.311	428.3	95.08	103.5	8.319	0.284	5.937	4.544	1.159
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	0.046	-0.042	2.479	0.433	9.936	F 13.21	0.001	8.179	3.065
Stddev	0.016	0.008	0.07	0.007	0.041	0.05	0.040	0.013	0.017
%RSD	34.16	19.94	2.831	1.559	4.352	3.944	46.27	1.589	0.562
#1	0.056	-0.037	2.472	0.428	9.420	13.19	0.047	8.187	3.045
#2	0.028	-0.052	2.486	0.440	9.341	13.18	-0.029	8.187	3.076
#3	0.054	-0.038	2.480	0.430	9.397	13.27	-0.015	8.164	3.074
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2429.6	6334.3	51127.	4920.7					
Stddev	8.7	8.9	167.	13.2					
%RSD	0.35783	0.14072	0.32665	0.26827					
#1	2437.3	6341.7	51197.	4907.4					
#2	2420.2	6324.4	51248.	4933.8					
#3	2431.4	6336.8	50936.	4920.8					

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Sample Name: FA32071-21 Acquired: 3/11/2016 17:09:23 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.008	323.0	0.0934	2.993	0.0123	89.99	0.0181	1.889	5.516
Stddev	0.003	1.0	0.0017	0.004	0.0002	20	0.0001	0.0002	0.009
%RSD	31.32	0.3013	1.867	1.509	1.293	2.207	0.6585	0.1014	1.665
#1	-0.006	321.9	0.0918	2.988	0.0125	89.92	0.0182	1.890	5.626
#2	-0.011	323.6	0.0930	2.996	0.0122	89.84	0.0182	1.891	5.608
#3	-0.007	323.6	0.0953	2.996	0.0124	90.22	0.0180	1.887	5.615
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5.463	437.3	97.39	108.4	F 9.026	0.269	6.354	4.684	1.558
Stddev	0.016	1.0	0.07	5	0.051	0.0005	0.063	0.013	0.009
%RSD	0.2872	2.286	0.0980	4.5674	0.5674	1.915	0.9890	0.2877	0.6111
#1	5.446	436.3	97.31	108.1	9.029	0.275	6.283	4.689	1.579
#2	5.467	437.5	97.50	108.4	8.974	0.265	6.375	4.694	1.597
#3	5.477	438.3	97.36	108.7	9.076	0.266	6.403	4.669	1.588
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	0.042	-0.060	2.332	0.291	9.161	F 12.85	0.010	8.284	2.205
Stddev	0.018	0.030	0.03	0.002	0.028	0.12	0.020	0.044	0.005
%RSD	43.19	49.75	1.206	8.405	3.052	0.9593	200.1	0.5275	0.2667
#1	0.025	-0.048	2.331	0.289	9.130	12.90	0.002	8.323	2.011
#2	0.061	-0.094	2.335	0.292	9.172	12.71	0.033	8.237	2.003
#3	0.041	-0.039	2.329	0.294	9.182	12.93	-0.005	8.292	2.001
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2427.2	6348.8	50750.	4816.9					
Stddev	3.2	8.4	298.	17.3					
%RSD	0.13003	0.13213	0.58738	0.35953					
#1	2430.7	6352.5	50530.	4836.4					
#2	2426.1	6339.2	51089.	4803.2					
#3	2424.7	6354.7	50630.	4811.2					

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Sample Name: FA32071-22 Acquired: 3/11/2016 17:13:58 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.034	253.9	0.1293	4.914	0.0083	206.6	0.0371	1.385	6.728
Stddev	0.003	7	0.0041	0.015	0.0001	4	0.0001	0.0003	0.021
%RSD	8.723	2.830	3.201	2.971	1.483	1.862	2.583	2.083	3.174
#1	0.031	253.1	0.1340	4.899	0.0082	206.4	0.0372	1.387	6.744
#2	0.036	254.4	0.1274	4.928	0.0083	207.1	0.0371	1.382	6.735
#3	0.036	254.3	0.1264	4.915	0.0085	206.4	0.0370	1.386	6.704
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.131	373.0	69.03	87.18	6.521	0.235	6.690	4.746	4.277
Stddev	0.01	1.5	0.18	0.21	0.018	0.0004	0.031	0.009	0.03
%RSD	0.978	4.008	0.2676	2.362	0.2755	1.677	0.4681	0.1948	0.6658
#1	1.132	371.2	68.84	86.96	6.500	0.239	6.654	4.746	4.280
#2	1.130	373.8	69.21	87.24	6.535	0.231	6.702	4.736	4.274
#3	1.130	373.8	69.03	87.36	6.527	0.236	6.713	4.755	4.277
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.016	-0.001	2.836	1.787	1.087	F 10.97	-0.0026	6.125	F 16.90
Stddev	0.0022	0.0023	0.005	0.007	0.005	0.04	0.0051	0.020	0.06
%RSD	17.27	199.1	0.1732	0.3940	0.4809	3.231	194.3	0.3195	0.3549
#1	0.014	-0.016	2.841	1.793	1.081	10.93	0.0030	6.130	16.92
#2	0.012	0.025	2.836	1.789	1.089	10.99	-0.0041	6.141	16.83
#3	0.013	-0.013	2.831	1.780	1.090	10.99	-0.0068	6.103	16.94
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2434.3	5772.3	4667.1	4462.9					
Stddev	4.1	9.1	33.	15.2					
%RSD	0.16818	0.15694	0.07053	0.33993					
#1	2435.3	5768.3	4670.7	4461.3					
#2	2429.8	5765.9	4666.1	4448.6					
#3	2437.8	5782.6	4664.3	4478.8					

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Sample Name: FA32071-23 Acquired: 3/11/2016 17:18:32 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.051	219.9	0.1068	3.485	0.0082	144.3	0.0277	1.363	6.025
Stddev	0.003	8	0.0003	0.008	0.0001	9	0.0002	0.0001	0.024
%RSD	6.026	3.679	2.773	2.244	0.9025	6.543	0.8094	0.0708	0.3930
#1	0.048	219.2	0.1071	3.482	0.0082	143.4	0.0279	1.364	6.051
#2	0.054	220.8	0.1068	3.494	0.0081	145.3	0.0275	1.362	6.004
#3	0.052	219.7	0.1065	3.480	0.0083	144.1	0.0277	1.363	6.020
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	9.283	332.5	61.30	79.36	7.327	0.317	4.269	3.898	3.807
Stddev	0.023	1.0	0.22	0.53</					

Sample Name: FA32072-1 Acquired: 3/11/2016 17:23:08 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	300.5	1039	4.933	0.113	146.1	0.312	1.728	5.668
Stddev	0.001	.6	0.027	.004	.0001	.4	.0002	.0003	.0158
%RSD	71.60	.2132	2.588	.0755	1.073	.2525	.4876	.1601	2.785
#1	-0.001	299.8	.1067	4.932	.0114	145.8	.0313	.1725	.5850
#2	-0.003	300.5	.1013	4.937	.0112	146.5	.0311	.1727	.5591
#3	-0.001	301.1	.1036	4.930	.0113	146.1	.0311	.1731	.5564
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	7.011	429.1	92.18	126.0	7.567	0.183	5.339	4.568	4.534
Stddev	0.188	1.6	.24	.2	.146	.0003	.011	.0009	.008
%RSD	2.682	.3615	.2587	.1396	1.928	1.691	.2117	.2003	.1712
#1	.7220	427.4	92.02	125.8	7.735	.0180	5.329	4.577	4.543
#2	.6954	429.5	92.46	126.0	7.502	.0183	5.336	4.567	4.528
#3	.6858	430.4	92.07	126.2	7.466	.0186	5.351	4.559	4.531
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.090	-0.068	2.464	0.768	1.191	12.53	-0.008	7.713	6.778
Stddev	0.014	0.019	.004	.0011	.004	.31	.0053	.0211	.028
%RSD	16.15	28.01	.1604	1.413	.3436	2.457	6.929	2.737	4.130
#1	.0085	-0.0080	2.467	.0776	1.187	12.88	-0.0037	7.956	6.806
#2	.0106	-0.0077	2.460	.0755	1.191	12.40	-0.0039	7.605	6.777
#3	.0078	-0.0046	2.464	.0771	1.196	12.30	.0053	7.577	6.750
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2424.2	6136.7	4966.7	4583.8					
Stddev	1.5	8.8	1175.	29.4					
%RSD	.06390	.14363	2.3648	.64236					
#1	2422.8	6127.7	4831.5	4617.8					
#2	2425.9	6137.2	5025.6	4565.4					
#3	2424.1	6145.3	5043.1	4568.2					

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Sample Name: FA32072-2 Acquired: 3/11/2016 17:27:43 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.026	275.6	0.981	3.751	0.093	123.3	0.219	1.648	5.676
Stddev	0.004	2.6	.0017	.030	.0002	1.6	.0006	.0010	.0100
%RSD	15.60	.9588	1.758	.8109	1.641	1.280	2.966	.6009	.1696
#1	.0027	272.6	.0997	3.716	.0091	121.5	.0226	1.660	5.685
#2	.0021	277.3	.0963	3.766	.0094	124.4	.0215	1.642	5.666
#3	.0029	276.9	.0985	3.772	.0093	124.1	.0215	1.643	5.679
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	9.521	400.8	79.50	121.5	7.734	0.231	6.139	4.367	3.858
Stddev	0.046	4.1	.91	1.5	.040	.0001	.045	.0009	.024
%RSD	.4782	1.017	1.145	1.243	.5105	.5463	.7413	.2014	.6188
#1	.9557	396.1	78.45	119.8	7.775	.0230	6.087	4.376	3.885
#2	.9470	403.6	80.09	122.5	7.696	.0230	6.174	4.359	3.840
#3	.9536	402.7	79.96	122.3	7.732	.0232	6.155	4.365	3.849
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.069	-0.054	2.794	0.668	1.379	15.78	-0.005	7.316	5.744
Stddev	0.018	0.024	.016	.0008	.009	.06	.0010	.0020	.026
%RSD	26.86	45.02	.5567	1.182	.6846	.3904	200.9	2.677	4.544
#1	.0072	-0.0050	2.811	.0677	1.368	15.81	-0.0014	7.337	5.771
#2	.0085	-0.0032	2.791	.0662	1.385	15.71	-0.0005	7.311	5.719
#3	.0049	-0.0080	2.781	.0665	1.384	15.81	-0.0006	7.299	5.742
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2426.3	5887.3	4748.8	4528.0					
Stddev	11.3	26.9	111.	69.2					
%RSD	.46576	.45722	.23309	1.5283					
#1	2414.3	5856.9	4739.2	4607.6					
#2	2436.8	5908.1	4760.9	4482.3					
#3	2427.8	5897.0	4746.2	4494.1					

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Sample Name: FA32072-3 Acquired: 3/11/2016 17:32:19 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	287.1	0.934	2.857	0.089	129.3	0.150	1.889	5.301
Stddev	0.003	.6	.0018	.004	.0000	.5	.0001	.0001	.0034
%RSD	250.6	.1930	1.944	.1264	.2061	.4204	.7729	.0410	.6335
#1	.0002	287.7	.0945	2.853	.0089	129.8	.0149	1.889	5.320
#2	-0.005	286.6	.0944	2.861	.0090	129.4	.0151	1.889	5.321
#3	-0.001	286.9	.0913	2.858	.0089	128.7	.0151	1.888	5.262
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	6.901	419.4	77.74	140.8	8.279	0.109	7.456	4.153	2.217
Stddev	0.011	.9	.17	.8	.048	.0002	.023	.0007	.004
%RSD	.1552	.2128	.2232	.5572	.5741	1.754	.3038	.1615	.1739
#1	.6890	420.4	77.94	141.7	8.316	.0110	7.466	4.155	2.221
#2	.6903	419.2	77.61	140.5	8.295	.0109	7.473	4.159	2.214
#3	.6911	418.7	77.67	140.2	8.226	.0107	7.431	4.146	2.216
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.029	-0.085	2.573	0.453	1.264	19.42	-0.0022	7.764	2.977
Stddev	0.0030	0.043	.004	.0009	.002	.06	.0034	.0014	.004
%RSD	104.1	50.28	.1388	2.089	.1581	2.963	154.9	.1838	.1180
#1	.0062	-0.0039	2.571	.0459	1.265	19.48	.0008	7.772	2.975
#2	.0019	-0.0092	2.572	.0457	1.261	19.42	-0.0060	7.772	2.981
#3	.0005	-0.0124	2.577	.0442	1.265	19.36	-0.0015	7.748	2.975
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2413.0	5775.6	4697.4	4516.5					
Stddev	4.3	4.6	164.	28.8					
%RSD	.18008	.07989	.34912	.63708					
#1	2411.6	5778.0	4683.5	4484.2					
#2	2417.9	5770.3	4693.3	4526.2					
#3	2409.6	5778.6	4715.5	4539.3					

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Sample Name: FA32072-4 Acquired: 3/11/2016 17:36:54 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.003	305.3	1.083	3.680	0.100	129.5	0.238	1.944	5.536
Stddev	0.002	.5	.0019	.011	.0002	.2	.0003	.0003	.0017
%RSD	76.62	.1592	1.728	.3056	1.915	.1165	1.228	.1304	.3131
#1	.0000	305.7	.1069	3.691	.0098	129.3	.0240	1.944	5.549
#2	.0005	305.5	.1076	3.668	.0101	129.6	.0234	1.942	5.543
#3	.0005	304.8	.1104	3.680	.0102	129.5	.0239	1.947	5.516
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	7.302	450.9	84.19	149.7	8.695	0.110	5.248	4.473	2.932
Stddev	0.017	.7	.15	.6	.013	.0003	.027	.0013	.002
%RSD	.2307	.1530	.1757	.4220	.1504	2.471	.5140	.2859	.0584
#1	.7301	450.1	84.36	149.0	8.682	.0111	5.279	4.469	2.930
#2	.7319	451.4	84.07	150.3	8.708	.0112	5.236	4.463	2.931
#3	.7285	451.1	84.16	149.8	8.695	.0107	5.229	4.487	2.934
Elem	Sb2068</								

Sample Name: FA32072-5 Acquired: 3/11/2016 17:41:30 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0004	277.0	.0918	2.964	.0103	103.1	.0257	1.682	5.686
Stddev	.0007	1.2	.0037	.013	.0003	.3	.0002	.0030	.0570
%RSD	174.8	.4388	4.078	.4414	3.267	.3223	.7914	1.770	10.02
#1	.0007	276.4	.0903	2.950	.0107	102.9	.0255	1.648	5.644
#2	.0009	276.3	.0890	2.966	.0101	102.9	.0258	1.701	5.345
#3	-.0004	278.4	.0961	2.976	.0101	103.5	.0258	1.697	5.369
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	6873	395.3	81.24	110.6	F 8.293	0.181	4.699	4.309	3.663
Stddev	.0618	1.6	.39	.3	.642	.0003	.022	.0010	.018
%RSD	8.992	.4042	.4817	.2698	7.746	1.487	.4695	.2256	.5018
#1	.7586	394.9	80.89	110.5	9.035	.0180	4.713	4.321	3.659
#2	.6505	393.9	81.19	110.4	7.932	.0184	4.673	4.303	3.683
#3	.6527	397.0	81.66	111.0	7.913	.0179	4.709	4.304	3.647
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0071	-.0047	2.468	.0693	.9701	F 15.55	-.0038	7.882	3.138
Stddev	.0032	.0028	.005	.0007	.0043	1.26	.0004	.0768	.006
%RSD	45.07	58.62	.2012	.9460	.4388	8.118	10.59	9.750	1.792
#1	.0085	-.0076	2.464	.0693	.9706	17.01	-.0035	8.769	3.135
#2	.0034	-.0021	2.474	.0700	.9656	14.83	-.0043	7.421	3.144
#3	.0093	-.0045	2.467	.0687	.9741	14.82	-.0037	7.456	3.134
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2397.1	5915.4	45429.	4536.5					
Stddev	7.6	5.5	3581.	14.9					
%RSD	.31862	.09322	7.8828	.32918					
#1	2398.5	5915.1	41295.	4525.3					
#2	2388.9	5910.1	47562.	4553.5					
#3	2404.0	5921.1	47431.	4530.7					

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Sample Name: FA32072-6 Acquired: 3/11/2016 17:46:07 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0014	242.8	.1359	3.061	.0084	253.6	.0296	1.527	5.041
Stddev	.0004	.5	.0016	.005	.0001	.7	.0010	.0027	.0019
%RSD	29.94	.2237	1.183	.1651	1.115	.2741	3.232	1.740	.3695
#1	.0011	243.5	.1341	3.065	.0085	254.0	.0292	1.518	5.031
#2	.0018	242.4	.1364	3.062	.0084	252.8	.0288	1.506	5.063
#3	.0011	242.6	.1372	3.055	.0083	254.0	.0306	1.557	5.030
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	8.014	359.5	68.55	114.4	7.067	0.220	11.23	4.490	2.221
Stddev	.0016	1.0	.23	.4	.028	.0005	.01	.0061	.028
%RSD	.1986	.2655	.3285	.3310	.3984	2.060	.0983	1.349	1.266
#1	.8005	360.5	68.79	114.8	7.034	.0215	11.22	4.466	2.205
#2	.8032	358.6	68.35	114.0	7.086	.0221	11.24	4.446	2.204
#3	.8003	359.3	68.50	114.5	7.080	.0224	11.22	4.559	2.253
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0095	-.0005	2.580	.0582	1.621	F 12.32	.0019	6.636	4.219
Stddev	.0019	.0026	.036	.0016	.005	.04	.0020	.0019	.047
%RSD	19.62	500.9	1.411	2.693	.2817	.3032	106.3	.2924	1.116
#1	.0083	.0023	2.566	.0579	1.626	12.32	.0041	6.649	4.196
#2	.0086	-.0009	2.553	.0567	1.619	12.36	.0016	6.644	4.187
#3	.0117	-.0029	2.622	.0598	1.617	12.28	.0000	6.613	4.273
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2448.1	5961.1	48524.	4687.6					
Stddev	28.5	67.0	150.	24.0					
%RSD	1.1639	1.1236	.30827	.51094					
#1	2460.8	5983.2	48668.	4681.2					
#2	2468.1	6014.3	48369.	4714.1					
#3	2415.5	5885.9	48534.	4667.6					

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Sample Name: CCV Acquired: 3/11/2016 17:50:43 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.447	38.99	2.015	1.943	2.003	38.56	2.021	2.005	1.996
Stddev	.0008	.16	.016	.009	.006	.23	.015	.015	.010
%RSD	.3074	.4172	.8134	.4618	.3217	.6048	.7650	.7669	.4920
#1	.2451	39.16	2.032	1.953	2.011	38.82	2.038	2.023	2.000
#2	.2452	38.84	2.014	1.937	1.999	38.41	2.018	2.001	2.003
#3	.2438	38.95	1.999	1.937	2.000	38.44	2.008	1.993	1.985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.963	38.82	37.96	38.37	2.049	2.023	39.24	2.042	1.960
Stddev	.008	.17	.19	.31	.011	.014	.08	.014	.018
%RSD	.4159	.4478	.4964	.8123	.5545	.7085	.2048	.7055	.9120
#1	1.981	38.98	38.17	38.73	2.054	2.038	39.31	2.057	1.980
#2	1.992	38.64	37.80	38.16	2.057	2.020	39.26	2.039	1.953
#3	1.976	38.84	37.90	38.22	2.036	2.010	39.15	2.029	1.947
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.025	2.009	1.975	2.020	2.026	2.061	1.990	2.037	1.971
Stddev	.015	.016	.015	.017	.007	.011	.018	.011	.014
%RSD	.7604	.7745	.7726	.8481	.3583	.5204	.9123	.5236	.7197
#1	2.042	2.026	1.991	2.039	2.034	2.067	2.010	2.047	1.987
#2	2.018	2.007	1.970	2.016	2.022	2.067	1.987	2.038	1.967
#3	2.014	1.995	1.962	2.006	2.021	2.048	1.974	2.025	1.959
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 3/11/2016 17:50:43 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2432.5	5011.8	40538.	3797.4
Stddev	18.5	26.2	115.	22.4
%RSD	.76156	.52276	.28395	.59026
#1	2411.2	4981.8	40513.	3771.6
#2	2444.9	5023.9	40438.	3808.5
#3	2441.3	5029.8	40664.	3812.2

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Sample Name: CCB Acquired: 3/11/2016 17:54:55 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0074	-0.0002	.0002	.0001	.0068	.0001	.0001	.0002
Stddev	.0001	.0050	.0007	.0004	.0000	.0031	.0000	.0001	.0002
%RSD	98.46	67.02	375.9	175.4	50.25	46.01	15.20	93.60	96.29
#1	.0001	.0124	.0002	-0.001	.0001	.0088	.0001	.0001	.0001
#2	.0002	.0075	.0003	.0007	.0000	.0032	.0001	.0002	.0001
#3	.0000	.0024	-0.0010	.0001	.0001	.0083	.0001	.0000	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0208	-0.174	-0.150	.0003	F .0014	.0241	.0000	-0.0003
Stddev	.0002	.0038	.0328	.0263	.0000	.0002	.0050	.0001	.0000
%RSD	66.41	18.16	188.8	175.5	9.732	16.55	20.81	302.6	10.96
#1	.0006	.0181	.0080	.0072	.0003	.0016	.0294	.0002	-0.0003
#2	.0002	.0252	-0.0544	-0.082	.0003	.0012	.0194	-0.001	-0.0003
#3	.0002	.0193	-0.0057	-0.0440	.0003	.0013	.0235	.0001	-0.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-0.0010			

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0018	-0.0008	.0000	.0003	.0012	-0.0006	.0000	.0002
Stddev	.0008	.0006	.0003	.000	.0000	.0001	.0001	.0002	.0000
%RSD	294.0	33.51	42.15	70.00	14.88	7.337	21.74	469.6	8.693
#1	-0.0004	.0011	-0.0008	.0000	.0003	.0012	-0.0008	.0000	.0002
#2	.0011	.0023	-0.0011	-0.001	.0003	.0013	-0.0005	-0.001	.0002
#3	.0000	.0020	-0.0004	.0000	.0002	.0011	-0.0006	.0002	.0002
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Sample Name: FA32072-8 Acquired: 3/11/2016 17:59:28 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0016	234.1	.1158	2.752	.0081	160.8	.0391	.1519	.5771
Stddev	.0001	.7	.0014	.010	.0001	.9	.0003	.0000	.0017
%RSD	3.854	.2900	1.210	.3698	1.478	.5532	.7006	.0276	.2883
#1	.0017	234.0	.1144	2.745	.0081	161.0	.0389	.1518	.5756
#2	.0016	233.5	.1158	2.747	.0083	159.9	.0394	.1519	.5789
#3	.0016	234.9	.1172	2.763	.0080	161.6	.0391	.1518	.5769

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.9442	355.7	112.9	104.1	6.397	.0230	5.136	4.620	3.168
Stddev	.0019	.9	.3	.7	.010	.0004	.021	.0016	.006
%RSD	.2063	.2409	.3080	.6690	.1540	1.655	.4037	.3561	.1997
#1	.9456	355.7	112.9	104.1	6.390	.0234	5.128	4.615	3.166
#2	.9420	354.8	112.5	103.5	6.408	.0230	5.121	4.639	3.163
#3	.9451	356.6	113.2	104.9	6.394	.0226	5.160	4.607	3.175

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0086	-0.0003	2.599	.1136	1.050	F 12.56	-0.0023	6.201	5.092
Stddev	.0028	.0033	.003	.0010	.001	.06	.0029	.0005	.009
%RSD	32.67	1328.	.1271	.8512	.1266	4.484	123.2	.0862	.1765
#1	.0099	.0020	2.597	.1145	1.051	12.50	-0.0055	6.198	5.098
#2	.0054	.0013	2.602	.1126	1.049	12.56	-0.0015	6.207	5.082
#3	.0106	-0.041	2.596	.1137	1.052	12.62	.0000	6.198	5.097

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2435.8	5750.5	46322.	4383.6
Stddev	8.1	15.7	86.	29.0
%RSD	.33113	.27342	.18619	.66168
#1	2444.8	5768.4	46418.	4390.2
#2	2433.3	5738.6	46300.	4408.7
#3	2429.3	5744.6	46250.	4351.8

Sample Name: CCB Acquired: 3/11/2016 17:54:55 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2821.0	5202.5	42254.	3799.9
Stddev	5.6	15.8	117.	24.9
%RSD	.19823	.30437	.27792	.65652
#1	2820.5	5189.4	42184.	3810.0
#2	2815.7	5198.1	42389.	3818.3
#3	2826.9	5220.1	42188.	3771.5

Sample Name: FA32072-9 Acquired: 3/11/2016 18:04:05 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0019	280.3	.1189	4.658	.0093	122.8	.0380	.1750	.6832
Stddev	.0004	1.2	.0014	.023	.0002	.7	.0003	.0004	.0025
%RSD	24.06	.4450	1.168	.4902	1.663	.5696	.8829	.2188	.3730
#1	.0024	280.0	.1195	4.658	.0093	122.4	.0383	.1755	.6859
#2	.0017	281.6	.1173	4.682	.0096	123.6	.0376	.1747	.6809
#3	.0016	279.2	.1199	4.636	.0094	122.4	.0381	.1749	.6826

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	1.090	415.5	77.58	117.4	7.641	.0254	2.800	4.739	6.066
Stddev	.001	2.1	.54	1.0	.012	.0005	.011	.0010	.006
%RSD	.1024	.5016	.6905	.8212	.1512	1.869	.3828	.2077	.1042
#1	1.089	414.6	77.50	117.0	7.646	.0257	2.794	4.750	6.059
#2	1.090	417.9	78.16	118.5	7.628	.0257	2.812	4.737	6.068
#3	1.092	414.1	77.10	116.6	7.649	.0249	2.793	4.730	6.071

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0094	-0.0057	2.324	.1119	.8737	F 14.61	-0.0018	.7617	6.592
Stddev	.0023	.0010	.004	.0009	.0039	.04	.0003	.0024	.013
%RSD	24.06	17.34	.1778	.8234	.4429	2.737	15.11	.3182	.1927
#1	.0119	-0.0068	2.328	.1126	.8747	14.64	-0.0019	.7642	6.577
#2	.0079	-0.0050	2.323	.1123	.8769	14.56	-0.0020	.7594	6.602
#3	.0082	-0.0051	2.320	.1109	.8694	14.63	-0.0015	.7616	6.596

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2432.4	6012.8	48566.	4636.6
Stddev	4.7	5.7	124.	41.7
%RSD	.19301	.09518	.25624	.89890
#1	2433.6	6006.8	48550.	4661.1
#2	2436.3	6018.2	48698.	4588.4
#3	2427.2	6013.2	48450.	4660.1

Sample Name: FA32072-10 Acquired: 3/11/2016 18:08:40 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.044	253.5	1.423	3.310	0.093	106.6	0.040	1.957	7.400
Stddev	.0006	.4	.0010	.002	.0002	.2	.0004	.0002	.0010
%RSD	13.06	.1760	.7109	.0655	2.128	.1950	.8783	.0901	.1313
#1	.0038	254.0	.1411	3.311	.0091	106.8	.0402	1.956	7.392
#2	.0044	253.1	.1429	3.312	.0094	106.5	.0402	1.955	7.411
#3	.0050	253.2	.1429	3.308	.0094	106.4	.0408	1.959	7.398
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	1.067	384.1	68.87	90.01	F 10.53	0.271	2.394	4.824	4.569
Stddev	.004	1.4	.23	.37	.06	.0002	.007	.0011	.009
%RSD	.3596	.3556	.3356	.4121	.5942	.8866	.3038	.2222	.1918
#1	1.063	385.7	69.08	90.44	10.47	.0272	2.402	4.812	4.569
#2	1.068	383.2	68.62	89.82	10.59	.0272	2.388	4.830	4.577
#3	1.071	383.6	68.92	89.78	10.52	.0268	2.392	4.831	4.560
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	0.066	-0.033	2.298	1.308	.8938	F 12.25	0.016	7.179	6.491
Stddev	.0012	.0049	.003	.0003	.0024	.07	.0020	.0020	.005
%RSD	18.08	150.3	.1194	.2378	.2680	.5418	128.3	2.763	.0837
#1	.0079	-.0010	2.298	1.305	.8964	12.20	.0036	7.199	6.487
#2	.0064	.0001	2.295	1.307	.8918	12.33	-.0004	7.178	6.497
#3	.0056	-.0089	2.300	1.311	.8932	12.23	.0015	7.159	6.487
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2456.7	6062.1	4828.8	4536.9					
Stddev	2.0	5.3	75	28.3					
%RSD	.08141	.08667	.15509	.62467					
#1	2454.5	6064.6	48347.	4504.2					
#2	2457.1	6065.7	48204.	4554.1					
#3	2458.5	6056.1	48313.	4552.4					

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Sample Name: FA32072-11 Acquired: 3/11/2016 18:13:16 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.010	259.9	1.024	3.887	0.097	148.7	0.074	1.613	5.309
Stddev	.0002	2.3	.0005	.022	.0001	1.3	.0007	.0013	.0019
%RSD	21.73	.8723	.4905	.5557	.9615	.8430	1.974	.8292	.3664
#1	.0009	259.6	.1018	3.882	.0097	148.7	.0374	1.617	5.289
#2	.0013	257.8	.1026	3.869	.0098	147.5	.0381	1.624	5.308
#3	.0009	262.3	.1027	3.911	.0096	150.0	.0366	1.598	5.328
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	7.062	382.7	80.82	103.0	7.475	0.184	3.918	4.046	2.779
Stddev	.0024	3.4	.60	1.0	.026	.0003	.046	.0030	.020
%RSD	.3364	.8757	.7370	.9718	.3461	1.698	1.169	.7324	.7031
#1	.7052	382.6	80.65	102.7	7.455	.0187	3.898	4.041	2.778
#2	.7089	379.4	80.33	102.1	7.465	.0181	3.886	4.078	2.799
#3	.7045	386.1	81.48	104.1	7.504	.0183	3.971	4.019	2.760
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	0.102	-0.076	2.372	1.050	1.083	F 11.95	-0.025	7.040	F 8.054
Stddev	.0028	.0023	.013	.0018	.008	.06	.0012	.0031	.057
%RSD	27.06	30.68	.5637	1.711	.7360	5.377	47.06	4.408	.7050
#1	.0120	-.0067	2.375	1.061	1.084	11.88	-.0014	7.007	8.047
#2	.0117	-.0058	2.383	1.060	1.074	11.97	-.0023	7.069	8.113
#3	.0070	-.0102	2.357	1.030	1.090	12.00	-.0037	7.045	8.000
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2420.6	6007.7	4827.1	4537.7					
Stddev	11.5	32.8	66	50.9					
%RSD	.47626	.54531	.13747	1.1218					
#1	2422.3	6005.8	48347.	4549.6					
#2	2408.3	5976.0	48238.	4581.6					
#3	2431.1	6041.4	48227.	4481.9					

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7.1
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Sample Name: FA32072-12 Acquired: 3/11/2016 18:17:51 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.000	295.8	4.261	4.066	0.113	136.9	0.263	1.640	6.182
Stddev	.0004	1.0	.0037	.016	.0001	.5	.0005	.0002	.0020
%RSD	471.7	.3438	.8596	.3932	.6017	.3929	1.943	1.301	.3228
#1	.0001	294.8	4.291	4.058	.0114	136.4	.0269	1.641	6.161
#2	.0004	295.7	4.270	4.056	.0112	136.7	.0260	1.640	6.184
#3	-.0004	296.8	4.220	4.085	.0113	137.5	.0260	1.637	6.201
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	7.767	424.4	96.88	102.4	7.402	0.250	3.349	4.480	1.761
Stddev	.0027	1.5	.33	.3	.026	.0002	.028	.0005	.006
%RSD	.3510	.3591	.3361	.2916	.3511	.8173	.8209	1.182	.3623
#1	.7736	422.8	96.55	102.0	7.384	.0249	3.323	4.486	1.757
#2	.7787	424.6	96.90	102.5	7.431	.0252	3.345	4.478	1.769
#3	.7777	425.8	97.20	102.5	7.390	.0248	3.378	4.476	1.759
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	0.104	-0.097	2.174	1.026	.9551	F 11.50	-0.032	8.022	4.212
Stddev	.0028	.0065	.004	.0014	.0047	.02	.0005	.0014	.007
%RSD	26.90	66.89	.1601	1.343	.4891	2.135	14.78	1.704	.1770
#1	.0122	-.0062	2.177	1.024	.9506	11.48	-.0036	8.036	4.204
#2	.0118	-.0057	2.176	1.014	.9547	11.53	-.0034	8.008	4.213
#3	.0072	-.0171	2.170	1.041	.9599	11.49	-.0027	8.021	4.219
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2428.6	6238.2	4978.1	4697.6					
Stddev	1.3	15.2	115	7.3					
%RSD	.05272	.24444	.23127	.15531					
#1	2428.5	6224.3	49913.	4704.0					
#2	2427.4	6236.0	49709.	4699.2					
#3	2430.0	6254.5	49719.	4689.7					

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Sample Name: FA32072-13 Acquired: 3/11/2016 18:22:26 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.044	202.2	0.854	3.263	0.066	206.1	0.089	1.320	5.926
Stddev	.0005	.1	.0017	.002	.0001	.4	.0001	.0002	.0042
%RSD	10.98	.0417	2.042	.0731	1.930	.1832	.3790	.1326	.7013
#1	.0048	202.3	.0875	3.263	.0065	206.5	.0387	1.321	5.904
#2	.0039	202.1	.0843	3.266	.0067	205.9	.0389	1.318	5.974
#3	.0045	202.2	.0845	3.261	.0065	205.9	.0390	1.322	5.901
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	8.324	310.7	64.86	96.34	6.439	0.240	4.911	4.220	

Sample Name: FA32072-14 Acquired: 3/11/2016 18:27:02 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0029	257.7	.0944	4.361	.0091	172.7	.0313	1.532	.5651
Stddev	.0006	.1	.0020	.008	.0001	.4	.0001	.0004	.0016
%RSD	21.35	.0441	2.137	.1877	1.286	.2398	.3984	.2817	.2793
#1	.0032	257.8	.0966	4.352	.0090	172.5	.0312	1.536	.5635
#2	.0032	257.7	.0926	4.362	.0092	172.4	.0313	1.527	.5667
#3	.0022	257.6	.0939	4.368	.0092	173.2	.0315	1.533	.5652

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.9816	372.2	70.20	100.1	7.679	.0223	4.755	4.279	3.835
Stddev	.0058	.8	.08	.1	.005	.0004	.017	.0008	.004
%RSD	.5863	.2033	.1144	.1180	.0681	1.692	.3519	.1938	.1038
#1	.9762	372.9	70.11	100.00	7.674	.0219	4.748	4.270	3.831
#2	.9809	372.4	70.22	100.0	7.679	.0226	4.775	4.283	3.834
#3	.9876	371.4	70.27	100.2	7.684	.0223	4.744	4.285	3.839

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0100	-.0036	2.806	1.296	1.359	12.25	-.0003	6.793	6.601
Stddev	.0022	.0016	.008	.0002	.006	.03	.0022	.0016	.006
%RSD	22.21	44.59	.2730	.1555	.4208	.2391	848.6	.2318	.0906
#1	.0101	-.0051	2.799	1.297	1.362	12.26	.0000	6.779	6.605
#2	.0123	-.0019	2.805	1.293	1.362	12.27	-.0026	6.791	6.594
#3	.0078	-.0039	2.814	1.296	1.353	12.22	.0018	6.810	6.604

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2434.1	5924.2	4753.8	4481.5
Stddev	2.5	7.4	57.	11.1
%RSD	.10143	.12460	.11964	.24773
#1	2435.1	5928.7	4760.3	4475.2
#2	2436.0	5928.3	4750.9	4494.3
#3	2431.3	5915.7	4750.1	4474.9

Sample Name: MP30098-MB1 Acquired: 3/11/2016 18:31:39 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2873.4	5296.8	43659.	3942.7
Stddev	7.0	5.1	54.	33.0
%RSD	.24394	.09671	.12342	.83604
#1	2876.0	5300.5	43617.	3907.0
#2	2865.4	5290.9	43641.	3972.0
#3	2878.7	5298.9	43720.	3949.2

Sample Name: MP30098-MB1 Acquired: 3/11/2016 18:31:39 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0110	-.0011	.0005	.0000	.0167	.0000	-.0001	.0006
Stddev	.0002	.0024	.0007	.0002	.000	.0020	.000	.0001	.0002
%RSD	190.6	22.22	59.13	32.24	55.40	12.20	14.06	78.44	27.97
#1	-.0001	.0133	-.0004	.0006	.0000	.0172	.0000	.0000	.0007
#2	.0003	.0112	-.0016	.0006	.0000	.0145	-.0001	-.0002	.0007
#3	.0001	.0084	-.0014	.0003	.0000	.0184	.0000	-.0001	.0004

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0437	.0324	-.0112	.0005	.0000	.0268	.0003	.0001
Stddev	.0000	.0038	.0250	.0125	.0000	.0001	.0028	.0000	.0002
%RSD	8.569	8.796	77.23	111.2	9.716	673.3	10.47	5.884	181.3
#1	.0003	.0481	.0181	-.0215	.0005	.0002	.0300	.0003	.0004
#2	.0003	.0407	.0612	-.0150	.0004	.0000	.0261	.0003	.0001
#3	.0004	.0425	.0178	.0027	.0004	-.0001	.0245	.0003	-.0001

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	.0012	.0041	.0196	.0001	.0026	-.0009	.0001	.0011
Stddev	.0001	.0007	.0005	.0001	.0001	.0002	.0003	.0001	.0000
%RSD	31.54	59.08	13.00	.3453	35.06	8.163	39.37	60.42	1.115
#1	-.0004	.0004	.0041	.0196	.0001	.0028	-.0006	.0002	.0011
#2	-.0004	.0014	.0046	.0196	.0002	.0027	-.0008	.0002	.0011
#3	-.0002	.0019	.0035	.0195	.0001	.0024	-.0013	.0000	.0011

Sample Name: MP30098-B1 Acquired: 3/11/2016 18:36:13 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0494	28.83	2.072	2.094	.0546	26.75	.0539	.5295	2.154
Stddev	.0003	.14	.007	.009	.0001	.12	.0002	.0015	.0007
%RSD	.6462	.4836	.3162	.4407	.0930	.4666	.3495	.2831	.3205
#1	.0492	28.84	2.065	2.093	.0546	26.70	.0537	.5279	2.150
#2	.0498	28.97	2.076	2.103	.0547	26.90	.0540	.5296	2.151
#3	.0492	28.69	2.075	2.085	.0546	26.66	.0540	.5309	2.162

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2695	27.81	25.92	26.88	.5585	.5414	26.68	.5448	.5057
Stddev	.0007	.07	.06	.13	.0030	.0013	.14	.0016	.0013
%RSD	.2669	.2381	.2375	.4831	.5382	.2344	.5385	.2920	.2592
#1	.2688	27.75	25.98	26.73	.5580	.5400	26.70	.5430	.5053
#2	.2694	27.88	25.91	26.98	.5558	.5418	26.81	.5456	.5046
#3	.2703	27.79	25.86	26.92	.5617	.5425	26.52	.5459	.5071

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5227	2.076	.0201	.5652	.5413	.5614	2.041	.5063	.5268
Stddev	.0024	.005	.0006	.0004	.0025	.0021	.006	.0021	.0014
%RSD	.4577	.2547	3.205	.0704	.4677	.3682	.3123	.4183	.2632
#1	.5201	2.070	.0194	.5655	.5412	.5608	2.034	.5050	.5267
#2	.5233	2.080	.0206	.5648	.5439	.5597	2.046	.5052	.5254
#3	.5248	2.077	.0204	.5654	.5388	.5637	2.044	.5088	.5282

Sample Name: MP30098-B1 Acquired: 3/11/2016 18:36:13 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2535.7	5076.4	4088.3	3715.2
Stddev	2.5	7.6	231.	5.2
%RSD	.09978	.15025	.56449	.13919
#1	2537.1	5085.0	4098.0	3710.2
#2	2537.2	5074.0	4105.0	3714.7
#3	2532.8	5070.3	4062.0	3720.5

Sample Name: FA32075-11 Acquired: 3/11/2016 18:40:28 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	.0003	205.6	.0769	2.632	.0083	146.1	.0281	.1517	.6162
Stddev	.0001	.7	.0030	.009	.0001	.5	.0003	.0004	.0020
%RSD	47.33	.3470	3.884	.3246	1.625	.3356	1.195	.2421	.3294
#1	.0002	204.8	.0752	2.622	.0084	145.8	.0278	.1515	.6146
#2	.0002	205.9	.0803	2.636	.0082	145.9	.0285	.1522	.6156
#3	.0004	206.1	.0751	2.638	.0084	146.7	.0280	.1516	.6185
Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_3710)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.6230	309.9	61.14	75.64	6.634	.0225	2.493	4.348	2.261
Stddev	.0012	1.4	.14	.27	.026	.0002	.025	.0007	.002
%RSD	.1874	.4361	.2297	.3535	.3899	.8038	1.011	.1722	.0836
#1	.6233	308.6	61.01	75.34	6.605	.0226	2.467	4.340	2.260
#2	.6217	309.9	61.11	75.72	6.640	.0225	2.495	4.354	2.261
#3	.6240	311.3	61.29	75.86	6.656	.0223	2.517	4.351	2.264
Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.0057	.0013	3.022	.0551	.7520	11.11	-0.031	5.776	5.297
Stddev	.0013	.0027	.006	.0007	.0039	.04	.0013	.0016	.003
%RSD	23.70	203.2	.2161	1.271	.5177	.3487	42.90	.2786	.0541
#1	.0060	.0030	3.016	.0558	.7475	11.06	-.0025	5.759	5.294
#2	.0042	.0028	3.022	.0549	.7539	11.12	-.0022	5.777	5.296
#3	.0068	-.0018	3.029	.0545	.7545	11.13	-.0046	5.791	5.300
Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S					
Avg	2457.6	5839.6	4687.9	4315.4					
Stddev	4.8	6.4	178.	25.6					
%RSD	.19604	.10971	.38013	.59311					
#1	2458.1	5846.9	47055.	4333.3					
#2	2462.2	5836.7	46883.	4326.7					
#3	2452.6	5835.2	46699.	4286.0					

7.1
7

Sample Name: CCV Acquired: 3/11/2016 18:45:05 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	2.497	39.60	2.032	1.982	2.024	39.31	2.047	2.035	2.016
Stddev	.0013	.15	.004	.007	.006	.15	.001	.001	.012
%RSD	.5128	.3837	.1719	.3588	.3128	.3763	.0513	.0688	.5978
#1	.2486	39.42	2.028	1.975	2.017	39.14	2.047	2.034	2.009
#2	.2493	39.67	2.035	1.982	2.027	39.39	2.046	2.035	2.010
#3	.2511	39.70	2.033	1.989	2.029	39.41	2.048	2.037	2.030

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	2.008	39.22	38.44	38.86	2.029	2.047	39.63	2.061	2.008
Stddev	.001	.07	.11	.13	.009	.001	.07	.003	.005
%RSD	.0369	.1888	.2814	.3395	.4202	.0252	.1650	.1224	.2573
#1	2.008	39.22	38.44	38.86	2.029	2.047	39.63	2.061	2.008
#2	2.008	39.22	38.61	39.07	2.046	2.047	39.67	2.063	1.998
#3	2.009	39.35	38.64	39.10	2.041	2.048	39.76	2.066	2.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	2.036	2.030	1.988	2.054	2.047	2.066	2.024	2.057	2.005
Stddev	.002	.003	.003	.001	.003	.009	.003	.009	.002
%RSD	.1125	.1622	.1715	.0611	.1662	.4374	.1570	.4293	.1031
#1	2.036	2.033	1.984	2.054	2.044	2.062	2.026	2.053	2.007
#2	2.035	2.027	1.991	2.053	2.047	2.061	2.020	2.050	2.003
#3	2.039	2.028	1.990	2.055	2.051	2.077	2.025	2.067	2.005

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/11/2016 18:45:05 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2400.5	4994.6	4039.9	3741.2
Stddev	4.0	15.3	196.	14.9
%RSD	.16531	.30587	.48576	.39766
#1	2403.5	5010.8	40520.	3757.9
#2	2402.1	4992.5	40504.	3736.3
#3	2396.0	4980.4	40173.	3729.4

Sample Name: CCB Acquired: 3/11/2016 18:49:23 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0052	.0000	.0005	.0002	.0067	.0001	.0001	.0003
Stddev	.000	.0038	.0004	.0002	.0001	.0039	.0001	.0001	.0000
%RSD	733.0	73.56	36200.	46.15	27.08	58.23	48.99	54.10	19.23

#1 .0000 .0008 -.0002 .0002 .0002 .0111 .0002 .0002 .0003
 #2 -.0002 .0075 .0005 .0007 .0003 .0049 .0001 .0001 .0003
 #3 .0001 .0074 -.0003 .0006 .0002 .0040 .0001 .0001 .0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0157	.0004	.0043	.0003	F .0012	.0228	.0002	-.0001
Stddev	.0001	.0007	.0264	.0215	.0000	.0003	.0030	.0001	.0001
%RSD	12.00	4.631	6226.	501.8	14.37	25.17	13.08	28.86	213.5

#1 .0004 .0165 -.0023 .0030 .0003 .0016 .0196 .0002 -.0001
 #2 .0004 .0154 -.0245 -.0166 .0002 .0012 .0233 .0002 .0001
 #3 .0005 .0151 .0280 .0264 .0003 .0009 .0254 .0003 -.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit .0010
 Low Limit -.0010

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0000	-.0007	.0000	.0002	.0008	.0008	.0002	.0003
Stddev	.0005	.001	.0001	.0002	.0001	.0001	.0006	.0002	.0001
%RSD	176.0	454.7	12.84	1734.	25.81	7.009	74.25	89.53	19.36

#1 .0006 -.0006 -.0006 .0002 .0003 .0009 .0012 .0004 .0003
 #2 -.0004 .0002 -.0007 -.0003 .0003 .0008 .0001 .0003 .0004
 #3 -.0001 .0003 -.0008 .0001 .0002 .0008 .0010 .0000 .0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/11/2016 18:49:23 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2832.7	5280.1	42925.	3859.2
Stddev	6.2	11.3	126.	7.0
%RSD	.22026	.21321	.29273	.18231

#1 2834.7 5279.0 43032. 3866.2
 #2 2825.7 5269.4 42957. 3852.2
 #3 2837.7 5291.8 42787. 3859.1

Sample Name: MP30098-D1 Acquired: 3/11/2016 18:53:56 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0001	187.5	.0705	2.420	.0076	166.0	.0237	.1199	.4999
Stddev	.0004	.3	.0014	.006	.0000	.2	.0001	.0002	.0009
%RSD	255.2	.1752	2.028	.2672	.2152	.1173	.5972	.1944	.1845

#1 .0005 187.8 .0702 2.427 .0076 166.1 .0236 .1199 .5008
 #2 -.0002 187.6 .0720 2.417 .0075 166.1 .0236 .1202 .4989
 #3 .0001 187.1 .0692 2.415 .0076 165.8 .0239 .1197 .4999

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5383	273.6	54.15	67.14	6.427	.0179	2.416	3839	1.789
Stddev	.0014	.5	.14	.24	.046	.0002	.014	.0012	.007
%RSD	.2624	.1889	.2514	.3607	.7197	.8679	.5971	.3085	.4143

#1 .5393 274.1 54.22 67.13 6.466 .0177 2.431 .3839 1.797
 #2 .5367 273.7 54.24 67.39 6.376 .0179 2.415 .3851 1.783
 #3 .5390 273.1 53.99 66.90 6.438 .0179 2.402 .3828 1.787

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0045	.0000	2.496	.0492	.7060	F 9.617	-.0012	5.050	5.193
Stddev	.0010	.002	.003	.0005	.0019	.043	.0010	.0019	.004
%RSD	22.78	20260.	.1174	1.035	.2752	4.449	83.36	3.807	.0822

#1 .0033 -.0021 2.496 .0486 .7081 9.612 -.0014 .5065 5.197
 #2 .0051 .0019 2.494 .0494 .7055 9.577 -.0021 .5028 5.188
 #3 .0052 .0002 2.499 .0496 .7043 9.662 -.0001 .5057 5.193

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2463.7	5876.3	46847.	4310.9
Stddev	3.7	20.8	91.	22.3
%RSD	.14931	.35337	.19380	.51834

#1 2466.1 5899.7 46768. 4309.4
 #2 2465.6 5869.3 46946. 4289.4
 #3 2459.5 5860.0 46826. 4334.0

Sample Name: MP30098-SD1 Acquired: 3/11/2016 18:58:35 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0025	248.0	.0880	3.105	.0099	173.8	.0321	.1854	.7530
Stddev	.0004	.7	.0019	.010	.0004	.5	.0001	.0017	.0092
%RSD	14.23	.2944	2.134	.3192	3.840	.3116	.3563	.9432	1.221

#1 .0023 247.7 .0858 3.093 .0101 173.2 .0322 .1834 .7578
 #2 .0023 248.8 .0891 3.110 .0100 174.2 .0320 .1862 .7424
 #3 .0029 247.4 .0890 3.111 .0094 174.0 .0320 .1866 .7588

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7262	378.2	72.76	90.03	8.215	.0264	3.473	5.298	2.381
Stddev	.0019	.6	.32	.16	.037	.0009	.011	.0022	.019
%RSD	.2613	.1540	.4434	.1767	.4556	3.295	.3289	.4165	.7853

#1 .7248 378.3 72.39 89.93 8.220 .0263 3.464 .5322 2.368
 #2 .7284 378.7 72.91 90.21 8.175 .0256 3.471 .5278 2.402
 #3 .7255 377.6 72.99 89.94 8.250 .0273 3.486 .5294 2.371

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0134	-.0106	32.46	.0668	.8895	15.03	.0037	.6959	6.575
Stddev	.0049	.0030	.51	.0021	.0025	.12	.0026	.0019	.014
%RSD	36.58	28.87	1.576	3.206	.2839	.7657	71.54	.2682	.2136

#1 .0078 -.0072 33.03 .0673 .8891 14.94 .0014 .6968 6.566
 #2 .0167 -.0115 32.30 .0645 .8922 15.00 .0030 .6972 6.591
 #3 .0156 -.0130 32.05 .0687 .8872 15.16 .0066 .6938 6.568

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2641.0	5345.1	42738.	3871.6
Stddev	6.1	10.1	74.	5.8
%RSD	.23258	.18804	.17377	.14994

#1 2642.3 5335.1 42673. 3878.0
 #2 2646.4 5355.2 42819. 3866.6
 #3 2634.3 5345.1 42723. 3870.3

Sample Name: MP30098-PS1 Acquired: 3/11/2016 19:02:56 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0432	204.9	.1685	2.856	.0534	148.9	.0719	.1932	.6451
Stddev	.0002	.5	.0032	.005	.0002	.4	.0001	.0002	.0023
%RSD	.4011	.2439	1.913	.1822	.3712	.2726	.0792	.1097	.3605
#1	.0434	205.2	.1666	2.860	.0534	149.1	.0719	.1930	.6462
#2	.0431	205.1	.1667	2.858	.0536	149.1	.0719	.1932	.6424
#3	.0432	204.3	.1722	2.850	.0532	148.4	.0720	.1935	.6466
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7066	306.8	69.36	78.73	6.484	1.064	11.42	5.155	2.275
Stddev	.0029	.1	.19	.41	.039	.0002	.02	.0009	.007
%RSD	.4072	.0379	.2803	.5222	.6035	.1447	.1714	.1814	.3284
#1	.7034	306.9	69.56	78.98	6.448	1.064	11.45	5.145	2.267
#2	.7075	306.8	69.33	78.94	6.479	1.063	11.41	5.162	2.282
#3	.7090	306.6	69.18	78.25	6.525	1.066	11.41	5.158	2.275
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0974	.0868	2.990	.0949	.7825	10.90	.0925	.6085	5.435
Stddev	.0008	.0014	.003	.0001	.0011	.02	.0041	.0012	.012
%RSD	.8596	1.611	.0882	.1145	.1432	.1875	4.398	1.987	2.142
#1	.0973	.0859	2.992	.0947	.7825	10.93	.0962	.6072	5.422
#2	.0983	.0861	2.987	.0950	.7814	10.89	.0932	.6087	5.445
#3	.0967	.0884	2.990	.0949	.7836	10.89	.0881	.6096	5.437
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2434.9	5807.6	4683.4	4340.1					
Stddev	3.2	4.5	143.	13.3					
%RSD	.13095	.07697	.30524	.30569					
#1	2438.5	5810.4	46944.	4328.0					
#2	2432.5	5809.9	46887.	4337.9					
#3	2433.8	5802.5	46673.	4354.3					

Sample Name: MP30098-S1 Acquired: 3/11/2016 19:07:32 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0385	294.7	1.665	4.911	.0522	176.1	.0732	.5495	.8364
Stddev	.0004	.4	.008	.022	.0001	.3	.0001	.0008	.0015
%RSD	.9514	.1321	.4605	.4522	.2557	.1983	.1329	.1526	.1768
#1	.0388	294.2	1.662	4.885	.0521	176.1	.0731	.5495	.8357
#2	.0380	295.0	1.674	4.926	.0523	176.4	.0732	.5504	.8381
#3	.0386	294.8	1.659	4.921	.0520	175.7	.0733	.5487	.8354
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.9399	402.5	95.82	111.3	7.810	.3612	24.53	8.846	3.090
Stddev	.0011	.8	.12	.2	.037	.0004	.08	.0004	.009
%RSD	.1133	.2030	.1254	.1666	.4695	.1060	.3111	.0430	.3036
#1	.9388	401.8	95.84	111.1	7.837	.3616	24.44	8.850	3.080
#2	.9409	403.4	95.93	111.2	7.769	.3613	24.57	8.847	3.093
#3	.9401	402.2	95.69	111.5	7.826	.3608	24.57	8.842	3.098
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0859	1.591	3.559	.4670	1.312	F 14.23	1.826	1.090	F 11.39
Stddev	.0029	.004	.009	.0013	.005	.02	.010	.002	.03
%RSD	3.380	.2277	.2625	.2837	.3558	.1635	.5370	.1533	.2812
#1	.0853	1.594	3.569	.4680	1.307	14.22	1.819	1.089	11.35
#2	.0834	1.592	3.550	.4676	1.315	14.22	1.837	1.092	11.42
#3	.0891	1.587	3.559	.4655	1.315	14.26	1.821	1.089	11.39
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2378.3	5950.1	4808.0	4519.0					
Stddev	3.2	5.6	38.	22.4					
%RSD	.13330	.09336	.07816	.49596					
#1	2381.5	5948.3	48047.	4511.1					
#2	2378.2	5956.4	48121.	4501.6					
#3	2375.2	5945.7	48073.	4544.3					

7.1
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Sample Name: MP30098-S2 Acquired: 3/11/2016 19:12:04 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0415	251.7	1.776	4.275	.0533	180.2	.0703	.5654	.7519
Stddev	.0013	.3	.008	.013	.0003	.3	.0002	.0008	.0019
%RSD	3.206	.1245	.4289	.3024	.5594	.1857	.2428	.1440	.2464
#1	.0430	251.5	1.767	4.283	.0532	179.9	.0702	.5648	.7537
#2	.0406	252.0	1.779	4.283	.0536	180.5	.0702	.5650	.7500
#3	.0410	251.5	1.782	4.260	.0530	180.0	.0705	.5663	.7521
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.8360	342.3	80.70	107.7	6.725	.3917	25.13	8.367	2.343
Stddev	.0029	.7	.12	.5	.017	.0012	.05	.0011	.008
%RSD	.3508	.2086	.1539	.4382	.2567	.2944	.1875	.1308	.3312
#1	.8326	341.5	80.76	107.4	6.745	.3905	25.09	8.362	2.336
#2	.8376	342.9	80.78	108.3	6.714	.3920	25.18	8.360	2.352
#3	.8378	342.5	80.56	107.5	6.716	.3927	25.12	8.380	2.342
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0864	1.703	2.983	.4580	1.185	F 12.96	1.903	1.014	5.418
Stddev	.0005	.005	.005	.0015	.002	.03	.005	.001	.007
%RSD	.6263	.2705	.1534	.3304	.2047	.2596	.2554	.0519	.1296
#1	.0860	1.706	2.979	.4595	1.185	13.00	1.900	1.013	5.425
#2	.0870	1.697	2.982	.4578	1.187	12.93	1.909	1.014	5.418
#3	.0862	1.705	2.988	.4565	1.182	12.96	1.901	1.014	5.411
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2398.2	5710.1	4586.4	4255.8					
Stddev	5.6	7.5	103.	14.1					
%RSD	.23193	.13139	.22356	.33140					
#1	2404.1	5717.4	45746.	4271.4					
#2	2393.1	5710.7	45933.	4244.1					
#3	2397.4	5702.4	45913.	4251.7					

Sample Name: FA32075-1 Acquired: 3/11/2016 19:16:36 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0009	264.9	.1258	2.901	.0106	95.45	.0215	1.565	.5995
Stddev	.0004	3.1	.0025	.033	.0002	.94	.0002	.0004	.0059
%RSD	39.54	1.155	2.026	1.151	1.970	.9891	.9424	.2830	.9895
#1	.0010	266.3	.1257	2.912	.0107	96.00	.0213	1.561	.5976
#2	.0013	267.0	.1284	2.929	.0108	95.99	.0216	1.569	.5947
#3	.0006	261.4	.1233	2.864	.0104	94.36	.0217	1.565	.6061
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7655	395.4	86.97	96.21	6.889	.0254	5.196	4.636	2.099
Stddev	.0061	3.9	1.04	1.01	.013	.0000	.043	.	

Sample Name: FA32075-2 Acquired: 3/11/2016 19:21:12 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0039	261.1	.0800	3.253	.0109	84.72	.0158	.1687	.5359
Stddev	.0001	.8	.0008	.013	.0001	.27	.0002	.0001	.0037
%RSD	1.397	.2936	.9466	.4127	.9582	.3212	.9949	.0761	.6866
#1	.0039	260.2	.0806	3.242	.0108	84.67	.0160	.1688	.5397
#2	.0038	261.2	.0802	3.250	.0110	84.48	.0158	.1688	.5356
#3	.0039	261.7	.0792	3.268	.0108	85.02	.0157	.1686	.5324
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.8581	373.9	69.06	80.44	F 10.02	.0169	7.992	.3732	2.043
Stddev	.0049	.6	.27	.16	.06	.0002	.033	.0009	.006
%RSD	.5699	.1576	.3845	.1951	.6083	1.207	.4161	.2436	.2791
#1	.8526	373.3	68.99	80.26	10.09	.0171	7.959	.3737	2.049
#2	.8601	373.8	68.83	80.55	9.991	.0168	7.992	.3737	2.040
#3	.8618	374.5	69.35	80.51	9.975	.0168	8.026	.3721	2.039
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0049	-.0037	2.969	.0800	.8323	F 12.43	-.0041	.6997	3.403
Stddev	.0016	.0025	.003	.0004	.0016	.05	.0010	.0041	.003
%RSD	32.28	67.58	.1042	.5265	.1968	.3918	.23.62	.5845	.0956
#1	.0044	-.0009	2.969	.0795	.8308	12.48	-.0033	.7039	3.406
#2	.0037	-.0055	2.973	.0804	.8322	12.38	-.0037	.6995	3.403
#3	.0067	-.0048	2.966	.0800	.8340	12.44	-.0052	.6957	3.399
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2465.1	6163.0	4950.9	4647.0					
Stddev	4.3	13.7	186.	19.6					
%RSD	.17560	.22259	.37558	.42070					
#1	2461.5	6168.5	49296.	4669.5					
#2	2464.0	6147.4	49639.	4634.3					
#3	2469.9	6173.1	49591.	4637.2					

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Sample Name: FA32075-3 Acquired: 3/11/2016 19:25:48 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0014	243.0	.0978	2.713	.0091	143.8	.0318	.1465	.6188
Stddev	.0003	.4	.0015	.008	.0001	.4	.0001	.0004	.0022
%RSD	20.42	.1759	1.529	.2993	.9931	.2720	.1592	.2847	.3584
#1	.0011	243.2	.0992	2.719	.0092	143.6	.0319	.1465	.6163
#2	.0017	242.6	.0979	2.704	.0090	143.5	.0318	.1469	.6205
#3	.0015	243.4	.0963	2.717	.0092	144.3	.0318	.1461	.6195
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7548	353.9	73.85	90.69	F 9.697	.0210	4.936	.4920	2.654
Stddev	.0017	.5	.31	.22	.030	.0003	.015	.0008	.002
%RSD	.2208	.1334	.4226	.2448	.3110	1.293	.3124	.1588	.0622
#1	.7553	354.1	74.06	90.62	9.671	.0208	4.944	.4922	2.652
#2	.7529	353.4	73.49	90.50	9.730	.0213	4.918	.4926	2.654
#3	.7561	354.3	74.00	90.93	9.691	.0209	4.946	.4911	2.656
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0073	-.0064	3.415	.0754	.8474	F 13.27	-.0005	.6732	6.321
Stddev	.0021	.0013	.006	.0003	.0043	.09	.0034	.0014	.009
%RSD	28.28	20.94	.1729	.4043	.5114	.6513	.745.9	.2075	.1459
#1	.0050	-.0075	3.412	.0752	.8511	13.18	.0021	.6718	6.311
#2	.0078	-.0049	3.422	.0758	.8426	13.29	.0008	.6746	6.329
#3	.0090	-.0067	3.413	.0754	.8485	13.35	-.0043	.6733	6.322
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2423.4	5885.1	47335.	4477.5					
Stddev	7.2	3.0	154.	19.4					
%RSD	.29847	.05173	.32516	.43259					
#1	2421.7	5888.0	47506.	4489.0					
#2	2431.4	5885.2	47294.	4488.4					
#3	2417.3	5881.9	47206.	4455.1					

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Sample Name: FA32075-4 Acquired: 3/11/2016 19:30:25 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	262.3	.0971	2.787	.0099	154.9	.0215	.1629	.5617
Stddev	.0002	1.5	.0008	.010	.0001	.8	.0002	.0001	.0020
%RSD	66550.	.5766	.8520	.3546	.5690	.4985	1.125	.0615	.3630
#1	-.0002	260.5	.0962	2.777	.0099	154.1	.0218	.1631	.5594
#2	.0000	263.0	.0979	2.796	.0100	154.9	.0214	.1629	.5626
#3	.0002	263.2	.0973	2.788	.0099	155.7	.0214	.1629	.5631
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6322	378.7	73.73	96.86	7.391	.0197	3.448	4.283	1.250
Stddev	.0020	2.4	.30	.85	.019	.0001	.009	.0003	.005
%RSD	.3154	.6221	.4135	.8808	.2553	.4802	.2574	.0640	.4100
#1	.6343	376.2	73.39	95.94	7.374	.0196	3.441	4.284	1.256
#2	.6303	379.1	73.98	97.03	7.388	.0198	3.458	4.285	1.245
#3	.6319	380.9	73.82	97.62	7.411	.0198	3.445	4.280	1.249
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0036	-.0048	3.249	.0413	.9665	F 13.43	-.0034	.7118	3.200
Stddev	.0038	.0024	.001	.0006	.0058	.06	.0025	.0031	.002
%RSD	104.2	49.62	.0276	1.494	.5971	.4143	72.96	.4328	.0666
#1	.0062	-.0033	3.249	.0415	.9598	13.39	-.0014	.7082	3.202
#2	-.0007	-.0035	3.250	.0418	.9702	13.41	-.0061	.7134	3.198
#3	.0053	-.0075	3.250	.0406	.9695	13.50	-.0025	.7137	3.202
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2424.9	5991.9	4801.2	4472.6					
Stddev	6.4	8.5	201.	30.2					
%RSD	.26360	.14173	.41775	.67441					
#1	2424.8	5992.8	48187.	4496.7					
#2	2431.4	5999.9	48056.	4482.4					
#3	2418.6	5983.0	47793.	4438.8					

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Sample Name: FA32075-5 Acquired: 3/11/2016 19:35:01 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0005	190.3	.0719	2.084	.0072	86.30	.0162	.1270	.4630
Stddev	.0001	.1	.0008	.006	.0000	.27	.0001	.0003	.0014
%RSD	29.69	.0657	1.137	.3098	.4607	.3158	.6726	.2264	.2983
#1	.0004	190.3	.0720	2.077	.0073	85.99	.0161	.1270	.4634
#2	.0004	190.5	.0710	2.085	.0072	86.49	.0161	.1267	.4642
#3	.0007	190.2	.0726	2.090	.0072	86.42	.0163	.1272	.4615
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5254	284.5	61.47	75.18	5.487	.0196	5.149	3.554	1.171
Stddev	.0027	.3	.13	.03	.015	.0003	.009	.0007	.001

Sample Name: CCV Acquired: 3/11/2016 19:39:38 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2498	39.35	2.080	1.971	2.023	39.07	2.088	2.059	2.046
Stddev	.0012	.13	.002	.003	.004	.08	.004	.002	.009
%RSD	.4684	.3224	.0844	.1466	.1816	.1967	.1953	.1024	.4557
#1	.2500	39.44	2.082	1.969	2.025	39.07	2.092	2.061	2.035
#2	.2485	39.40	2.079	1.975	2.026	39.15	2.086	2.059	2.053
#3	.2508	39.20	2.078	1.970	2.019	38.99	2.085	2.056	2.049

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.996	39.18	38.03	38.63	2.090	2.066	39.67	2.108	2.031
Stddev	.003	.09	.04	.05	.012	.000	.07	.004	.004
%RSD	.1642	.2399	.1047	.1384	.5721	.0184	.1643	.2155	.2003
#1	2.000	39.27	38.07	38.69	2.077	2.066	39.69	2.114	2.036
#2	1.995	39.17	38.04	38.62	2.094	2.067	39.72	2.107	2.030
#3	1.994	39.09	37.99	38.59	2.099	2.066	39.60	2.105	2.028

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.071	2.061	2.018	2.072	2.057	2.098	2.050	2.096	2.035
Stddev	.001	.006	.002	.002	.005	.007	.003	.008	.003
%RSD	.0419	.3010	.1014	.0899	.2491	.3565	.1386	.3651	.1643
#1	2.072	2.063	2.020	2.072	2.061	2.090	2.053	2.088	2.038
#2	2.071	2.054	2.016	2.073	2.058	2.100	2.048	2.098	2.036
#3	2.070	2.065	2.018	2.069	2.051	2.104	2.049	2.103	2.031

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/11/2016 19:39:38 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2379.1	4915.7	3980.7	3734.1
Stddev	.6	5.5	134.	11.0
%RSD	.02452	.11106	.33780	.29459
#1	2379.6	4914.0	3995.3	3727.3
#2	2379.2	4911.3	3968.9	3728.2
#3	2378.5	4921.8	3978.0	3746.8

7.1
7

Sample Name: CCB Acquired: 3/11/2016 19:43:50 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0081	-0.002	.0004	.0002	.0039	.0001	.0001	.0003
Stddev	.0003	.0046	.0007	.0005	.0001	.0012	.0000	.0000	.0001
%RSD	116.9	56.60	340.5	135.6	37.19	29.93	32.69	45.67	38.85
#1	.0005	.0090	-0.009	.0004	.0003	.0037	.0001	.0001	.0004
#2	.0000	.0121	.0001	-0.002	.0001	.0052	.0002	.0000	.0003
#3	.0001	.0031	.0003	.0008	.0002	.0029	.0001	.0001	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0143	.0229	.0059	.0002	F .0012	.0110	.0001	-0.0003
Stddev	.0001	.0006	.0302	.0084	.0000	.0003	.0049	.0002	.0002
%RSD	40.32	4.218	132.0	141.7	13.02	25.18	44.29	103.6	64.60
#1	.0002	.0150	.0498	.0126	.0003	.0015	.0091	.0003	-0.0001
#2	.0003	.0139	-0.0097	.0087	.0002	.0010	.0074	.0000	-0.0005
#3	.0004	.0141	.0285	-0.035	.0002	.0010	.0166	.0001	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.0010	-0.0007	.0001	.0002	.0009	.0003	.0000	.0002
Stddev	.0006	.0013	.0006	.0004	.0001	.0001	.0002	.0003	.0001
%RSD	103.9	123.1	88.15	687.2	46.82	11.97	80.12	672.6	23.26
#1	.0002	.0015	-0.0005	.0001	.0003	.0010	.0002	.0002	.0002
#2	.0002	.0020	-0.0002	.0004	.0002	.0009	.0005	-0.0003	.0002
#3	.0013	-0.0004	-0.0013	-0.0003	.0001	.0008	.0001	.0003	.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/11/2016 19:43:50 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2802.8	5218.5	4196.7	3752.1
Stddev	2.9	2.0	106.	11.3
%RSD	.10357	.03917	.25373	.30119
#1	2800.4	5216.2	4208.5	3754.8
#2	2806.0	5220.0	4187.8	3761.8
#3	2801.9	5219.4	4193.8	3739.7

Sample Name: FA32075-6 Acquired: 3/11/2016 19:48:23 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.005	312.1	.1046	2.784	.0124	109.1	.0085	1.883	.5641
Stddev	.0004	1.9	.0010	.012	.0002	.6	.0002	.0002	.0018
%RSD	90.07	.6203	.9810	.4310	1.401	.5665	2.887	1.324	.3249
#1	-.0007	310.3	.1035	2.774	.0125	108.4	.0088	1.883	.5624
#2	-.0000	314.1	.1051	2.797	.0123	109.5	.0083	1.880	.5660
#3	-.0006	312.0	.1054	2.780	.0122	109.4	.0084	1.885	.5638
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(ln2306)	(ln2306)
Avg	.5236	449.0	98.03	129.3	8.672	.0096	15.54	4.274	.4592
Stddev	.0012	2.7	.46	.9	.049	.0000	.09	.0014	.0023
%RSD	.2275	.6050	.4728	.6817	.5672	.4770	.5693	.3303	.5051
#1	.5248	446.5	97.50	128.3	8.628	.0096	15.46	4.290	.4617
#2	.5224	451.9	98.34	130.0	8.725	.0096	15.63	4.268	.4572
#3	.5237	448.7	98.25	129.7	8.664	.0097	15.52	4.264	.4586
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0060	-0.0050	2.776	.0309	1.003	14.11	-0.0056	.7966	1.742
Stddev	.0008	.0018	.006	.0005	.006	.08	.0038	.0029	.004
%RSD	12.72	35.06	.2023	1.684	.6462	.5581	67.57	3.624	2.155
#1	.0059	-.0032	2.772	.0315	.9988	14.06	-.0041	.7955	1.740
#2	.0068	-.0067	2.782	.0308	1.010	14.20	-.0099	.7998	1.739
#3	.0053	-.0053	2.774	.0305	.9996	14.07	-.0028	.7943	1.746
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2395.0	6141.4	49144.	4597.3					
Stddev	4.5	3.4	155.	32.0					
%RSD	.18637	.05481	.31506	.69592					
#1	2390.5	6144.4	49256.	4632.2					
#2	2399.4	6142.1	48968.	4590.3					
#3	2395.2	6137.8	49210.	4569.4					

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Sample Name: FA32075-7 Acquired: 3/11/2016 19:53:00 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0037	253.8	.0976	2.903	.0097	143.7	.0155	1.563	.5205
Stddev	.0001	1.0	.0016	.015	.0001	.7	.0002	.0002	.0017
%RSD	2.489	.3979	1.594	.5210	1.203	.5040	1.281	.0996	.3238
#1	.0037	254.0	.0968	2.904	.0099	143.6	.0156	1.564	.5214
#2	.0037	252.7	.0994	2.888	.0097	143.0	.0157	1.564	.5186
#3	.0038	254.8	.0966	2.918	.0096	144.4	.0153	1.561	.5216
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(ln2306)	(ln2306)
Avg	.7496	414.0	88.83	110.5	7.309	.0142	10.64	3.990	.9595
Stddev	.0010	1.7	.47	.7	.048	.0000	.05	.0006	.0013
%RSD	.1329	.4029	.5274	.6489	.6519	.2896	.4423	.1410	.1343
#1	.7504	413.9	88.91	110.2	7.329	.0143	10.66	3.989	.9586
#2	.7485	412.4	88.33	109.9	7.255	.0143	10.58	3.996	.9609
#3	.7498	415.8	89.26	111.3	7.344	.0142	10.67	3.984	.9588
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0077	-0.0068	2.712	.6390	1.201	F 11.53	-0.0041	.6690	3.015
Stddev	.0030	.0031	.003	.0006	.005	.05	.0013	.0008	.001
%RSD	39.17	45.86	.0947	.0914	.4029	4.716	32.65	1.138	.0477
#1	.0058	-.0091	2.711	.6395	1.202	11.54	-.0054	.6695	3.016
#2	.0112	-.0032	2.709	.6390	1.195	11.47	-.0027	.6681	3.016
#3	.0061	-.0080	2.714	.6384	1.204	11.57	-.0042	.6693	3.014
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2401.3	5900.3	47769.	4508.7					
Stddev	1.8	10.5	147.	24.7					
%RSD	.07371	.17848	.30828	.54878					
#1	2403.3	5912.4	47722.	4506.1					
#2	2400.9	5894.9	47934.	4534.6					
#3	2399.8	5893.5	47651.	4485.3					

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Sample Name: FA32074-12 Acquired: 3/11/2016 19:57:36 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0033	259.6	.1440	3.578	.0092	105.8	.0630	1.906	2.064
Stddev	.0005	1.3	.0008	.016	.0002	1.0	.0023	.0043	.036
%RSD	13.58	.5078	.5330	.4489	2.224	.9014	3.611	2.241	1.744
#1	.0034	258.1	.1443	3.565	.0091	104.7	.0656	1.953	2.093
#2	.0028	260.7	.1431	3.596	.0094	106.6	.0612	1.870	2.077
#3	.0037	260.0	.1446	3.572	.0090	106.1	.0623	1.895	2.024
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	1.806	388.9	62.62	90.95	6.487	.0648	3.056	1.287	F 12.95
Stddev	.036	1.8	.36	.91	.110	.0015	.025	.027	.32
%RSD	1.992	.4543	.5675	1.004	1.701	2.262	.8003	2.111	2.501
#1	1.833	386.9	62.22	89.91	6.558	.0663	3.038	1.318	13.32
#2	1.819	390.2	62.92	91.59	6.543	.0634	3.084	1.267	12.72
#3	1.765	389.6	62.71	91.37	6.360	.0647	3.046	1.277	12.81
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0213	-0.0005	2.466	.2097	.8549	F 12.62	-0.0051	.7479	F 11.30
Stddev	.0038	.0031	.049	.0041	.0011	.30	.0024	.0129	.23
%RSD	17.81	598.2	2.003	1.978	.1328	2.350	46.20	1.721	1.999
#1	.0246	-.0027	2.522	.2144	.8540	12.86	-.0026	.7567	11.56
#2	.0172	-.0009	2.428	.2070	.8546	12.70	-.0073	.7539	11.16
#3	.0221	-.0033	2.448	.2076	.8562	12.29	-.0054	.7331	11.19
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2471.8	6007.3	48912.	4506.7					
Stddev	54.2	105.0	891.	33.0					
%RSD	2.1919	1.7476	1.8210	.73245					
#1	2410.3	5887.4	48161.	4541.5					
#2	2512.6	6083.0	48678.	4502.9					
#3	2492.3	6051.4	48986.	4475.8					

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Sample Name: FA32074-13 Acquired: 3/11/2016 20:02:11 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0007	254.3	.0935	3.137	.0098	127.4	.0228	1.560	.8957
Stddev	.0004	.9	.0033	.012	.0001	.2	.0002	.0000	.0038
%RSD	51.96	.3471	3.500	.3660	.5892	.1806	.7334	.0079	.4214
#1	.0010	253.3	.0968	3.124	.0098	127.2	.0230	1.560	.8914
#2	.0008	254.9	.0902	3.146	.0098	127.7	.0226	1.560	.8973
#3	.0003	254.8	.0936	3.141	.0099	127.5	.0228	1.560	.8985
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.7399	363.3	71.12	91.61	7.248	.0306	2.686	6.134	2.363
Stddev	.0012	.8	.33	.23	.029	.0003	.006	.0004	.005
%RSD	.1654	.2254	.4617	.2516	.3972	.9519	.2325	.0694	.1964

Sample Name: FA32074-15 Acquired: 3/11/2016 20:06:46 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0012	248.6	.0888	2.876	.0096	127.1	.0212	.1512	.8156
Stddev	.0005	.0	.0020	.005	.0000	.1	.0001	.0004	.0016
%RSD	39.17	.0197	2.309	.1840	.4500	.0548	.4586	.2320	.1976
#1	.0018	248.6	.0864	2.880	.0096	127.0	.0212	.1516	.8162
#2	.0009	248.5	.0899	2.870	.0096	127.1	.0213	.1509	.8168
#3	.0010	248.6	.0901	2.879	.0096	127.2	.0212	.1511	.8138
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7267	381.3	69.71	87.50	6.888	.0327	2.599	5.904	1.852
Stddev	.0014	.5	.05	.41	.015	.0001	.006	.0003	.004
%RSD	.1911	.1214	.0667	.4641	.2124	.2851	.2460	.0562	.2367
#1	.7254	380.7	69.70	87.44	6.900	.0328	2.606	5.904	1.855
#2	.7266	381.5	69.67	87.93	6.872	.0326	2.594	5.900	1.854
#3	.7282	381.5	69.76	87.12	6.891	.0328	2.596	5.907	1.847
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0073	-0.0066	2.782	.0561	.9091	F 12.21	-0.0023	6.925	3.358
Stddev	.0038	.0011	.003	.0007	.0006	.04	.0050	.0012	.010
%RSD	51.88	17.24	.1238	1.299	.0709	.3269	215.3	.1723	.2977
#1	.0114	-0.0079	2.786	.0553	.9092	12.23	-0.0044	6.924	3.369
#2	.0038	-0.0058	2.781	.0560	.9084	12.23	-0.0060	6.914	3.352
#3	.0069	-0.0061	2.779	.0568	.9097	12.16	.0034	6.938	3.352
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2434.2	5938.6	4784.4	4470.2					
Stddev	1.0	8.1	69.	21.4					
%RSD	.03934	.13562	.14473	.47914					
#1	2434.1	5942.1	4776.7	4477.1					
#2	2435.1	5944.4	4790.3	4446.1					
#3	2433.2	5929.4	4786.1	4487.2					

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Sample Name: FA32074-16 Acquired: 3/11/2016 20:11:23 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0023	230.6	.0982	3.172	.0087	93.71	.0363	.1527	1.085
Stddev	.0006	.6	.0009	.006	.0001	.28	.0002	.0006	.011
%RSD	24.47	.2690	.9354	.1956	1.403	.3010	.4359	.3646	.9828
#1	.0026	230.2	.0972	3.178	.0087	93.42	.0363	.1525	1.084
#2	.0026	231.3	.0986	3.173	.0089	93.98	.0362	.1523	1.096
#3	.0016	230.3	.0989	3.166	.0086	93.72	.0365	.1533	1.074
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.9342	340.2	67.05	81.25	7.121	.0374	2.341	7.216	4.835
Stddev	.0115	1.4	.26	.45	.031	.0001	.005	.0026	.023
%RSD	1.227	.3987	.3935	.5506	.4397	.3051	.2294	.3625	.4761
#1	.9358	338.7	67.03	80.73	7.088	.0374	2.346	7.189	4.809
#2	.9448	341.4	67.32	81.48	7.151	.0375	2.336	7.218	4.852
#3	.9220	340.4	66.79	81.54	7.123	.0373	2.340	7.241	4.843
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0091	-0.0037	2.503	.1093	.7279	F 11.48	-0.0021	6.267	6.249
Stddev	.0028	.0013	.002	.0010	.0011	.11	.0016	.0062	.032
%RSD	30.80	35.90	.0594	.8901	.1443	.9826	75.14	.9958	.5188
#1	.0066	-0.0023	2.505	.1103	.7287	11.49	-0.0033	6.291	6.212
#2	.0086	-0.0050	2.502	.1094	.7282	11.58	-0.0028	6.315	6.273
#3	.0121	-0.0039	2.503	.1083	.7267	11.36	-0.0003	6.197	6.263
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2451.0	5838.7	4772.4	4499.1					
Stddev	8.8	12.9	357.	25.9					
%RSD	.35974	.22126	.74724	.57674					
#1	2461.0	5850.1	4777.3	4529.1					
#2	2444.7	5841.2	4734.5	4483.9					
#3	2447.1	5824.7	4805.3	4484.4					

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Sample Name: FA32074-17 Acquired: 3/11/2016 20:16:00 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0008	242.5	.0828	2.615	.0098	92.56	.0236	.1559	.5477
Stddev	.0002	.5	.0018	.005	.0000	.07	.0002	.0004	.0017
%RSD	25.66	.2222	2.197	.1823	.2257	.0784	1.013	.2589	.3025
#1	.0008	242.3	.0832	2.620	.0098	92.49	.0235	.1562	.5492
#2	.0009	243.1	.0844	2.614	.0098	92.64	.0234	.1555	.5459
#3	.0006	242.1	.0808	2.611	.0099	92.57	.0239	.1561	.5479
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5538	364.5	83.84	92.31	7.537	.0226	4.312	4.209	2.207
Stddev	.0005	1.0	.08	.29	.045	.0004	.007	.0013	.008
%RSD	.0882	.2873	.0992	.3193	.5989	1.594	.1713	.3026	.3487
#1	.5544	363.9	83.75	92.04	7.502	.0225	4.321	4.195	2.215
#2	.5537	365.7	83.91	92.62	7.522	.0223	4.307	4.216	2.200
#3	.5534	363.8	83.87	92.27	7.588	.0230	4.308	4.218	2.208
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0107	-0.0075	2.522	.0536	.9145	F 11.86	.0021	6.860	2.762
Stddev	.0022	.0041	.004	.0006	.0028	.06	.0025	.0020	.005
%RSD	20.13	55.10	.1519	1.126	.3083	.4741	116.4	.2866	.1969
#1	.0128	-0.0027	2.518	.0530	.9156	11.79	.0019	6.863	2.756
#2	.0085	-0.0098	2.522	.0535	.9166	11.88	-0.0002	6.839	2.765
#3	.0110	-0.0101	2.526	.0542	.9113	11.90	.0047	6.878	2.765
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2446.4	6048.9	4858.7	4552.9					
Stddev	6.8	11.9	225.	29.3					
%RSD	.27698	.19624	.46346	.64396					
#1	2439.0	6062.2	4876.5	4581.6					
#2	2452.3	6045.0	4866.2	4523.0					
#3	2447.8	6039.5	4833.4	4554.2					

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Sample Name: FA32074-18 Acquired: 3/11/2016 20:20:37 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0019	224.7	.0771	2.543	.0090	122.4	.0201	.1373	.7881
Stddev	.0003	.5	.0005	.007	.0000	.4	.0003	.0001	.0016
%RSD	13.76	.2173	.6026	.2741	.2670	.3579	1.446	.0890	.2039
#1	.0022	224.7	.0772	2.540	.0090	122.9	.0203	.1375	.7880
#2	.0018	225.2	.0766	2.551	.0090	122.2	.0197	.1372	.7866
#3	.0017	224.2	.0776	2.538	.0090	122.1	.0202	.1373	.7898
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7038	332.2	75.55	86.26	F 8.687	.0217	3.571	3.815	1.281
Stddev	.0023	.9	.22	.41	.033	.0002	.014	.0013	.001
%RSD	.3212	.2634	.2942	.4779	.3823	.8095	.3880	.3469	.0788
#1	.7064	332.4	75.75	86.47	8.702	.0219	3.558	3.804	1.280
#2	.7023	332.9	75.60	86.51	8.649	.0216	3.586	3.829	1.282
#3	.7026	331.2	75.31	85.78	8.				

Sample Name: FA32074-19 Acquired: 3/11/2016 20:25:14 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.009	264.2	0.965	2.988	0.107	97.72	0.262	1.647	6.736
Stddev	0.005	.9	.0021	.010	.0002	.19	.0003	.0004	.0006
%RSD	51.31	.3449	2.172	.3257	1.560	.1894	1.309	.2587	.0932
#1	-0.009	264.1	.0976	2.988	.0105	97.52	.0261	1.644	6.736
#2	-0.013	263.3	.0978	2.979	.0108	97.75	.0266	1.652	6.742
#3	-0.004	265.1	.0941	2.998	.0109	97.88	.0259	1.646	6.729
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	6.945	392.7	90.94	96.08	7.353	0.280	5.467	4.556	2.868
Stddev	.0009	1.2	.33	.34	.009	.0001	.030	.0011	.004
%RSD	.1310	.2953	.3676	.3569	.1274	.3163	.5421	.2496	.1455
#1	6.937	391.9	90.78	95.79	7.353	0.280	5.450	4.545	2.869
#2	6.955	392.2	90.71	96.46	7.362	0.281	5.450	4.555	2.863
#3	6.943	394.1	91.32	96.01	7.344	0.279	5.501	4.568	2.871
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.089	-0.046	3.321	0.742	8.675	12.23	-0.019	7.460	3.789
Stddev	.0010	.0026	.007	.0004	.0031	.04	.0015	.0004	.005
%RSD	11.33	57.11	.2108	.5773	.3571	.3267	80.08	.0556	.1304
#1	0.078	-0.043	3.322	.0738	.8688	12.24	-0.004	7.465	3.791
#2	0.097	-0.074	3.328	.0747	.8640	12.26	-0.035	7.457	3.783
#3	0.092	-0.022	3.314	.0742	.8698	12.18	-0.018	7.459	3.793
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2424.9	6077.5	4902.0	4634.5					
Stddev	1.0	10.5	160.	13.8					
%RSD	.03986	.17329	.32597	.29859					
#1	2423.9	6075.5	48937.	4644.2					
#2	2424.9	6068.2	48919.	4618.7					
#3	2425.9	6088.9	49205.	4640.6					

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Sample Name: FA32074-20 Acquired: 3/11/2016 20:29:51 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.008	274.6	0.882	2.792	0.116	85.80	0.205	1.753	5.525
Stddev	0.001	.6	.0008	.007	.0001	.09	.0002	.0001	.0018
%RSD	15.82	.2334	.9077	.2382	.7913	.1090	1.018	.0310	.3262
#1	-0.009	274.2	.0883	2.785	.0116	85.71	.0207	1.753	5.524
#2	-0.007	274.3	.0874	2.795	.0115	85.79	.0204	1.753	5.508
#3	-0.009	275.3	.0890	2.797	.0117	85.90	.0203	1.754	5.544
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	6.737	402.8	94.60	101.6	7.891	0.230	6.060	4.431	1.635
Stddev	.0017	1.2	.19	.1	.048	.0002	.011	.0006	.001
%RSD	.2473	.3074	.2058	.0693	.6056	1.065	.1757	.1355	.0533
#1	6.736	402.3	94.43	101.7	7.879	0.233	6.065	4.435	1.634
#2	6.754	401.9	94.56	101.7	7.850	0.230	6.047	4.424	1.635
#3	6.720	404.2	94.81	101.5	7.943	0.228	6.067	4.434	1.636
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.054	-0.045	2.540	0.499	8.042	9.959	-0.030	7.446	2.616
Stddev	.0020	.0010	.004	.0004	.0034	.037	.0032	.0018	.008
%RSD	36.99	22.95	.1478	.7544	.4266	.3678	106.0	.2409	.3093
#1	0.062	-0.056	2.544	.0503	.8021	9.975	-0.047	7.429	2.609
#2	0.032	-0.035	2.536	.0495	.8024	9.917	-0.049	7.444	2.613
#3	0.070	-0.043	2.540	.0500	.8082	9.985	.0007	7.465	2.625
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2427.6	6276.7	5028.7	4675.0					
Stddev	2.2	9.2	196.	18.0					
%RSD	.09180	.14681	.39062	.38538					
#1	2430.2	6277.1	50329.	4669.1					
#2	2426.3	6285.7	50459.	4695.3					
#3	2426.4	6267.3	50073.	4660.7					

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7.1
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Sample Name: CCV Acquired: 3/11/2016 20:34:27 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.472	39.15	2.049	1.943	2.015	38.77	2.068	2.038	2.027
Stddev	.0006	.13	.003	.008	.005	.08	.003	.002	.001
%RSD	.2602	.3246	.1484	.4076	.2371	.2156	.1539	.0853	.0555
#1	.2478	39.12	2.047	1.946	2.015	38.83	2.066	2.037	2.026
#2	.2465	39.05	2.049	1.934	2.011	38.67	2.072	2.040	2.027
#3	.2472	39.30	2.053	1.950	2.020	38.81	2.067	2.038	2.028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	Range	Range	Range	Range	Range	Range	Range	Range	Range
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.968	38.99	37.61	38.63	2.078	2.047	39.44	2.068	2.010
Stddev	.003	.10	.15	.12	.004	.002	.07	.002	.001
%RSD	.1687	.2460	.3879	.2981	.1672	.0861	.1745	.0720	.0551
#1	1.987	38.99	37.72	38.75	2.075	2.045	39.43	2.087	2.009
#2	1.985	38.89	37.45	38.52	2.082	2.048	39.39	2.090	2.011
#3	1.991	39.08	37.68	38.62	2.077	2.048	39.52	2.087	2.011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	Range	Range	Range	Range	Range	Range	Range	Range	Range
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.049	2.031	2.001	2.053	2.044	2.083	2.031	2.068	2.010
Stddev	.006	.003	.002	.004	.009	.001	.003	.003	.007
%RSD	.3167	.1398	.0846	.1845	.4223	.0619	.1581	.1193	.3608
#1	2.050	2.029	2.000	2.050	2.043	2.082	2.028	2.071	2.006
#2	2.042	2.029	2.003	2.057	2.036	2.082	2.035	2.066	2.018
#3	2.055	2.034	2.001	2.051	2.054	2.084	2.031	2.069	2.006
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	Range	Range	Range	Range	Range	Range	Range	Range	Range

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Sample Name: CCV Acquired: 3/11/2016 20:34:27 Type: QC
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2403.7	4958.7	40146.	3697.2
Stddev	4.7	4.5	66.	15.4
%RSD	.19460	.09169	.16331	.41695
#1	2405.7	4961.7	40210.	3680.6
#2	2407.0	4960.9	40148.	3700.2
#3	2398.4	4953.5	40079.	3711.0

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Sample Name: CCB Acquired: 3/11/2016 20:38:38 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0111	-0.0003	.0003	.0001	.0036	.0001	.0002	.0003
Stddev	.0002	.0018	.0010	.0002	.0000	.0009	.0000	.0000	.0001
%RSD	61.67	16.12	334.4	72.78	24.12	24.03	24.01	2.327	34.66

#1	.0005	.0123	-0.0004	.0002	.0001	.0046	.0001	.0002	.0002
#2	.0001	.0120	-0.0013	.0002	.0001	.0031	.0001	.0002	.0004
#3	.0003	.0090	.0008	.0006	.0001	.0031	.0001	.0002	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0193	.0198	-0.0340	.0003	F .0012	.0128	.0001	-0.0006
Stddev	.0001	.0042	.0021	.0220	.0000	.0002	.0144	.0001	.0001
%RSD	28.11	21.63	10.57	64.84	7.457	15.85	112.2	76.88	19.53

#1	.0004	.0223	.0186	-.0129	.0003	.0015	.0285	.0001	-0.0006
#2	.0002	.0210	.0222	-.0568	.0003	.0012	.0098	.0002	-0.0007
#3	.0003	.0145	.0186	-.0322	.0003	.0011	.0002	.0001	-0.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.0004	-0.0004	-0.0001	.0002	.0010	-0.0002	.0000	.0002
Stddev	.0004	.0012	.0005	.0002	.0002	.0001	.0002	.0000	.0000
%RSD	756.2	280.3	117.3	231.3	79.82	10.29	94.47	173.7	10.73

#1	-.0003	-.0017	.0000	.0000	.0001	.0011	.0000	.0000	.0002
#2	.0004	.0006	-.0009	-.0004	.0004	.0011	-.0002	.0000	.0002
#3	.0000	-.0001	-.0003	.0001	.0001	.0009	-.0004	.0000	.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/11/2016 20:38:38 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2804.3	5191.2	4242.1	3793.0
Stddev	1.0	18.7	25.1	19.8
%RSD	.03464	.36074	.59263	.52106

#1	2805.0	5207.5	42299.	3790.6
#2	2804.7	5195.5	42711.	3774.6
#3	2803.2	5170.7	42255.	3813.9

Sample Name: FA32074-21 Acquired: 3/11/2016 20:43:11 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0009	284.5	.0833	2.848	.0122	81.32	.0151	.1815	.4894
Stddev	.0009	.7	.0025	.007	.0001	.27	.0002	.0006	.0006
%RSD	102.1	.2569	3.050	.2448	.7208	.3349	1.423	.3224	1.164

#1	-.0019	285.3	.0839	2.855	.0123	81.62	.0153	.1818	.4894
#2	-.0007	284.4	.0855	2.841	.0122	81.26	.0150	.1817	.4888
#3	-.0001	283.8	.0805	2.848	.0121	81.09	.0149	.1808	.4900

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4596	411.0	87.97	103.7	F 8.083	.0181	6.302	4.376	.2051
Stddev	.0001	1.2	.25	.4	.027	.0004	.008	.0020	.0034
%RSD	.0238	.2906	.2814	.3525	.3319	1.951	.1224	.4495	1.638

#1	.4595	411.8	88.26	103.7	8.053	.0177	6.293	4.392	.2039
#2	.4596	411.7	87.82	104.1	8.103	.0180	6.305	4.382	.2089
#3	.4597	409.7	87.84	103.4	8.093	.0184	6.308	4.354	.2025

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0054	-0.0085	2.111	.0206	.8001	F 9.074	-0.0005	.7520	1.300
Stddev	.0032	.0036	.006	.0005	.0008	.001	.0013	.0018	.003
%RSD	59.28	42.23	.3087	2.317	.0960	.0156	237.0	.2349	.2458

#1	.0018	-.0054	2.115	.0210	.8000	9.073	-.0018	.7501	1.296
#2	.0079	-.0075	2.115	.0201	.8009	9.074	-.0005	.7523	1.300
#3	.0066	-.0124	2.104	.0208	.7994	9.076	.0007	.7535	1.302

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2439.6	6323.6	5102.3	4794.5
Stddev	1.8	7.1	49.	23.0
%RSD	.07390	.11220	.09632	.48073

#1	2441.6	6320.8	50985.	4789.2
#2	2438.0	6331.6	51006.	4774.5
#3	2439.3	6318.2	51079.	4819.7

Sample Name: FA32074-22 Acquired: 3/11/2016 20:47:47 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0010	301.5	.1222	3.983	.0118	111.4	.0259	.1707	.7061
Stddev	.0000	1.4	.0024	.013	.0001	.8	.0003	.0003	.0017
%RSD	3.688	.4514	1.937	.3234	.7084	.7253	1.033	.1792	.2441

#1	.0010	302.6	.1249	3.998	.0118	111.9	.0256	.1704	.7047
#2	.0010	301.8	.1212	3.976	.0117	111.8	.0259	.1710	.7080
#3	.0009	300.0	.1205	3.976	.0119	110.4	.0261	.1708	.7056

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.8496	428.6	91.72	100.8	7.706	.0282	2.606	4.899	3.420
Stddev	.0015	2.1	.45	.8	.021	.0003	.015	.0010	.008
%RSD	.1714	.4883	.4938	.7551	.2759	.9193	.5765	.2021	.2238

#1	.8507	429.9	92.14	101.4	7.707	.0285	2.621	4.887	3.421
#2	.8480	429.7	91.79	101.1	7.727	.0283	2.605	4.906	3.428
#3	.8503	426.2	91.24	99.93	7.685	.0280	2.591	4.902	3.413

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0073	-0.0061	2.861	.0853	.9639	F 12.58	-0.0017	.8271	4.740
Stddev	.0015	.0017	.005	.0002	.0031	.03	.0019	.0037	.018
%RSD	20.55	27.53	.1607	.2339	.3170	252.3	110.5	4.530	.3805

#1	.0088	-.0049	2.857	.0851	.9664	12.61	-.0035	8.268	4.755
#2	.0072	-.0054	2.860	.0855	.9647	12.55	-.0020	8.310	4.745
#3	.0058	-.0080	2.866	.0854	.9605	12.58	.0003	8.236	4.720

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2428.3	6203.0	4945.3	4602.9
Stddev	2.9	14.2	120.	42.8
%RSD	.12055	.22847	.24194	.93072

#1	2430.4	6208.4	49552.	4591.4
#2	2429.6	6213.6	49320.	4567.0
#3	2425.0	6186.9	49487.	4650.4

Sample Name: FA32074-23 Acquired: 3/11/2016 20:52:23 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Table with 12 columns (Elem, IS Ref, Avg, Stdev, %RSD) and 12 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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Sample Name: FA32074-24 Acquired: 3/11/2016 20:56:58 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Table with 12 columns (Elem, IS Ref, Avg, Stdev, %RSD) and 12 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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Sample Name: CRIA Acquired: 3/11/2016 21:01:33 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 12 columns (Elem, IS Ref, Avg, Stdev, %RSD) and 12 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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Sample Name: ICSA Acquired: 3/11/2016 21:05:59 Type: Unk
Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 12 columns (Elem, IS Ref, Avg, Stdev, %RSD) and 12 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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7.1

Sample Name: ICSA Acquired: 3/11/2016 21:05:59 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2143.7	4571.7	36273.	3541.2
Stddev	2.1	5.2	13.	3.4
%RSD	.10025	.11469	.03692	.09558
#1	2144.8	4568.5	36288.	3540.1
#2	2145.0	4577.7	36262.	3545.0
#3	2141.2	4568.8	36268.	3538.6

Sample Name: ICSAB Acquired: 3/11/2016 21:10:38 Type: Unk
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F 1.080	F 502.4	1.132	5.129	5.199	482.2	1.006	4.893	5.259
Stddev	.004	3.0	.006	.0011	.0015	5.0	.004	.0007	.0022
%RSD	.3236	.5924	.5157	.2116	.2834	1.033	.3522	.1475	.4235
#1	1.083	503.3	1.138	5.128	5.213	480.8	1.010	4.901	5.255
#2	1.076	499.1	1.127	5.119	5.184	487.7	1.003	4.889	5.239
#3	1.081	504.8	1.132	5.140	5.199	478.1	1.005	4.889	5.283
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5.494	190.0	1.372	F 519.4	5.293	9.586	2.783	1.005	9.864
Stddev	.0017	.1	.0269	.6	.0018	.0019	.0087	.004	.0040
%RSD	.3034	.0299	19.58	.1224	.3366	.1973	3.108	.3445	.4082
#1	.5512	190.0	.1665	519.5	.5304	.9594	.2870	1.008	.9910
#2	.5480	190.0	.1136	520.0	.5272	.9565	.2783	1.001	.9846
#3	.5490	189.9	.1315	518.8	.5302	.9600	.2697	1.005	.9836
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.060	1.055	3.022	9.443	1.047	1.039	9.768	4.887	9.864
Stddev	.002	.001	.0016	.0016	.001	.004	.0022	.0016	.0018
%RSD	.1671	.1292	.5208	.1714	.0820	.3445	.2245	.3348	.1831
#1	1.059	1.057	.3041	.9454	1.047	1.042	.9789	4.899	9.885
#2	1.058	1.055	.3013	.9424	1.048	1.035	.9769	4.868	9.852
#3	1.061	1.054	.3014	.9450	1.046	1.040	.9745	4.893	9.855
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2069.6	4496.0	35437.	3427.2					
Stddev	1.3	5.2	106.	6.4					
%RSD	.06283	.11554	.29984	.18819					
#1	2069.6	4492.1	35328.	3428.8					
#2	2068.3	4501.9	35541.	3420.1					
#3	2070.9	4494.0	35442.	3432.7					

7.1
7

Sample Name: CCV Acquired: 3/11/2016 21:15:08 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.506	39.77	2.082	1.968	2.043	39.36	2.106	2.073	2.073
Stddev	.0009	.07	.003	.005	.006	.04	.001	.001	.006
%RSD	.3509	.1777	.1641	.2335	.2999	.1096	.0487	.0539	.2959
#1	.2504	39.75	2.079	1.963	2.038	39.34	2.105	2.072	2.080
#2	.2516	39.72	2.085	1.968	2.042	39.33	2.106	2.073	2.069
#3	.2498	39.85	2.084	1.972	2.050	39.41	2.107	2.075	2.070

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.008	39.51	37.99	39.25	2.121	2.079	39.87	2.126	2.046
Stddev	.003	.08	.04	.18	.004	.001	.16	.001	.002
%RSD	.1609	.1997	.0986	.4461	.2089	.0661	.4049	.0494	.0965
#1	2.010	39.47	37.96	39.44	2.124	2.078	39.72	2.126	2.047
#2	2.009	39.46	37.99	39.22	2.116	2.080	39.84	2.126	2.048
#3	2.004	39.60	38.03	39.09	2.123	2.079	40.04	2.127	2.044

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.077	2.055	2.028	2.085	2.070	2.116	2.072	2.118	2.046
Stddev	.003	.004	.002	.002	.007	.003	.007	.002	.002
%RSD	.1529	.2141	.0891	.0954	.3376	.1520	.3417	.0925	.0790
#1	2.075	2.061	2.029	2.086	2.064	2.116	2.068	2.117	2.047
#2	2.076	2.053	2.026	2.083	2.069	2.112	2.067	2.116	2.046
#3	2.081	2.053	2.030	2.085	2.078	2.119	2.080	2.120	2.044

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/11/2016 21:15:08 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2365.7	4880.8	39427.	3612.3
Stddev	2.8	7.1	79.	3.7
%RSD	.11683	.14490	.20044	.10205
#1	2366.4	4885.4	39447.	3616.5
#2	2368.1	4884.4	39493.	3610.5
#3	2362.7	4872.7	39339.	3609.8

Sample Name: CCB Acquired: 3/11/2016 21:19:21 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0087	.0005	.0003	.0001	.0130	.0001	.0000	.0001
Stddev	.0002	.0016	.0005	.0004	.0000	.0029	.0000	.0000	.0000
%RSD	250.3	18.32	104.1	102.5	4.776	22.30	20.47	88.36	20.43
#1	.0004	.0080	.0003	.0000	.0001	.0150	.0001	.0000	.0001
#2	-.0001	.0076	.0011	.0007	.0001	.0097	.0001	.0000	.0002
#3	.0000	.0106	.0001	.0003	.0001	.0143	.0001	.0000	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0200	.0159	.0010	.0002	F-.0014	.0360	.0001	-.0006
Stddev	.0000	.0046	.0243	.0098	.0000	.0002	.0053	.0002	.0004
%RSD	3.014	23.05	153.1	950.8	20.78	10.99	14.80	277.9	70.09
#1	.0003	.0251	-.0101	.0061	.0002	.0015	.0319	.0001	-.0001
#2	.0004	.0187	.0381	-.0103	.0002	.0015	.0421	.0002	-.0008
#3	.0004	.0162	.0198	.0073	.0001	.0012	.0341	-.0001	-.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit .0010
 Low Limit -.0010

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	.0013	-.0004	.0003	.0002	.0005	-.0002	.0001	.0002
Stddev	.0004	.0008	.0005	.0003	.0001	.0001	.0008	.0002	.0001
%RSD	55.07	61.62	119.8	133.3	26.35	18.04	394.3	227.9	43.48
#1	.0012	.0023	-.0001	.0001	.0002	.0005	-.0003	.0002	.0003
#2	.0008	.0008	-.0002	.0006	.0002	.0005	-.0009	.0002	.0002
#3	.0003	.0009	-.0009	.0000	.0003	.0004	.0006	-.0001	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/11/2016 21:19:21 Type: QC
 Method: 60102007_042011(v918) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2786.8	5171.8	42029.	3740.2
Stddev	3.2	5.4	72.	9.4
%RSD	.11319	.10370	.17144	.25234
#1	2783.1	5167.0	41951.	3729.3
#2	2788.7	5177.6	42043.	3745.6
#3	2788.5	5170.7	42093.	3745.7

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000011	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000083	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000059	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000093	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000011	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000013	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000121	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	0.000006	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000030	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000074	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000023	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	-0.000015	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000035	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	0.000002	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000016	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.000306	0.584647	0.000000	1.000000
Al 396.152 { 85}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.000407	0.227093	0.000000	1.000000
As 189.042 {478}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.000555	0.181596	0.000000	1.000000
Ba 455.403 { 74}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.002147	8.445395	0.000000	1.000000
Be 313.042 {108}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.001047	11.890129	0.000000	1.000000
Ca 317.933 {106}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.005958	0.259160	0.000000	1.000000
Cd 226.502 {449}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.001135	4.790261	0.000000	1.000000
Co 228.616 {447}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.000675	2.591020	0.000000	1.000000
Cr 267.716 {126}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.000178	0.549118	0.000000	1.000000
Cu 324.754 {104}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.005938	0.892774	0.000000	1.000000
Fe 259.940 {130}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.001773	0.177363	0.000000	1.000000
In 230.606 {446}*	3/11/2016 4:46:39	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.011101	0.098356	0.000000	1.000000
Mg 279.079 {121}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.000413	0.028282	0.000000	1.000000
Mn 257.610 {131}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.000618	2.942376	0.000000	1.000000
Mo 202.030 {467}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.001323	1.123308	0.000000	1.000000
Na 589.592 { 57}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.017787	0.417907	0.000000	1.000000
Ni 231.604 {445}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.000399	1.542703	0.000000	1.000000
Pb 220.353 {453}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.000003	0.868063	0.000000	1.000000
Sb 206.833 {463}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.000989	0.249940	0.000000	1.000000
Se 196.090 {472}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.000228	0.130217	0.000000	1.000000
Si 212.412 {459}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.005511	0.331351	0.000000	1.000000
Sn 189.989 {477}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.000547	0.407296	0.000000	1.000000
Sr 407.771 { 83}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.001152	16.003285	0.000000	1.000000
Ti 334.941 {101}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.001662	2.062286	0.000000	1.000000
Tl 190.856 {477}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.001665	0.301441	0.000000	1.000000
V 292.402 {115}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	-0.000820	0.732098	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	3/11/2016 5:04:31	3/11/2016 5:04:31	Linear	1/Conc	0.000931	2.386152	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999940	0.000062	0.000382	0.001272	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999779	0.007714	0.009174	0.030579	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999936	0.000165	0.000800	0.002666	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999965	0.005697	0.000309	0.001029	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999994	0.003374	0.000073	0.000242	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999668	0.010759	0.003828	0.012762	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999964	0.003258	0.000048	0.000161	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999975	0.001483	0.000099	0.000331	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999906	0.000607	0.000256	0.000852	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999999	0.000073	0.000233	0.000776	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999536	0.008707	0.002820	0.009402	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999895	0.002295	0.035206	0.117354	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999651	0.001204	0.023004	0.076680	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999735	0.005460	0.000043	0.000142	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999954	0.000872	0.000133	0.000443	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999876	0.010585	0.008897	0.029656	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999960	0.001115	0.000170	0.000565	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999929	0.000839	0.000579	0.001931	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999943	0.000215	0.000946	0.003154	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999955	0.000099	0.001643	0.005476	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.999023	0.001180	0.000505	0.001685	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999859	0.000552	0.000304	0.001012	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999988	0.006235	0.000104	0.000348	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999919	0.002120	0.000103	0.000344	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999998	0.000045	0.000965	0.003216	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999980	0.000366	0.000243	0.000810	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999933	0.002230	0.000072	0.000241	OK	1.000000	0.000000	1	0

Sample Name: Blank Acquired: 4/21/2016 9:40:24 Type: Cal
Method: 60102007_042011(v72) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.001	0.031	-0.005	0.074	0.053	0.078	-0.004	0.001	0.000
Stddev	.0001	.0017	.0002	.0014	.0021	.0005	.0003	.0007	.0001
%RSD	188.5	53.30	31.92	18.72	38.81	7.052	84.42	777.6	380.5
#1	.0000	.0042	-.0004	.0061	.0046	.0081	.0000	.0008	.0001
#2	-.0000	.0012	-.0007	.0089	.0038	.0072	-.0005	.0000	.0000
#3	-.0002	.0039	-.0005	.0072	.0077	.0081	-.0006	-.0005	.0000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.066	0.036	-0.015	-0.007	0.020	0.022	-0.010	0.002	0.005
Stddev	.0002	.0007	.0026	.0001	.0002	.0004	.0016	.0001	.0005
%RSD	2.598	19.76	22.32	18.36	12.07	16.63	15.39	26.69	113.2
#1	.0066	.0042	-.0089	-.0006	.0022	.0026	-.0111	.0002	.0011
#2	.0068	.0028	-.0140	-.0008	.0020	.0021	-.0083	.0002	.0001
#3	.0064	.0038	-.0116	-.0006	.0017	.0019	-.0110	.0003	.0002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.007	-0.002	0.0035	0.005	0.0084	0.042	-0.014	-0.003	0.013
Stddev	.0001	.0001	.0001	.0001	.0009	.0004	.0003	.0002	.0002
%RSD	9.364	60.86	1.975	12.97	10.41	10.17	19.09	66.63	14.36
#1	.0007	-.0003	.0034	.0006	.0076	.0045	-.0017	-.0001	.0015
#2	.0008	-.0001	.0034	.0006	.0083	.0045	-.0013	-.0004	.0011
#3	.0007	-.0003	.0035	.0005	.0094	.0037	-.0012	-.0004	.0012
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	3026.9	5821.3	4510.2	3444.8					
Stddev	12.9	6.5	60.	15.2					
%RSD	.42582	.11237	.13272	.44043					
#1	3015.3	5813.8	45171.	3438.5					
#2	3024.6	5824.0	45060.	3462.0					
#3	3040.8	5826.0	45076.	3433.7					

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Sample Name: LowStd Acquired: 4/21/2016 9:44:34 Type: Cal
Method: 60102007_042011(v72) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.033	2.086	0.743	3.782	5.294	2.301	2.214	1.186	2.590
Stddev	.0007	.013	.0001	.016	.011	.007	.001	.001	.0006
%RSD	2.191	.6083	.1252	.4238	.2152	.3094	.0592	.0985	.2158
#1	.0342	2.094	.0742	3.798	5.307	2.302	2.215	1.187	.2590
#2	.0329	2.092	.0744	3.782	5.287	2.293	2.213	1.185	.2585
#3	.0329	2.071	.0743	3.766	5.287	2.307	2.214	1.187	.2596
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.072	1.634	8.882	2.457	1.384	4.715	3.843	7.239	3.793
Stddev	.0012	.005	.0020	.0008	.003	.0004	.017	.0005	.0010
%RSD	.2968	.3144	.2207	.3193	.2423	.0753	.4315	.0758	.2752
#1	4.072	1.639	8.871	2.457	1.380	4.719	3.859	7.244	3.800
#2	4.085	1.629	8.904	2.465	1.385	4.712	3.845	7.234	3.798
#3	4.061	1.633	8.870	2.449	1.386	4.715	3.826	7.238	3.781
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.036	0.519	1.714	1.791	7.470	9.773	1.209	3.381	1.119
Stddev	.0004	.0001	.0004	.0001	.028	.0008	.0002	.0008	.001
%RSD	.3793	.2051	.2049	.0360	.3695	.0769	.1209	.3379	1.118
#1	1.041	.0520	1.716	1.791	7.484	9.764	1.209	3.379	1.118
#2	1.033	.0518	1.710	1.792	7.488	9.775	1.211	3.374	1.119
#3	1.035	.0518	1.717	1.791	7.438	9.779	1.208	3.389	1.119
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2859.5	5805.9	4442.2	3420.6					
Stddev	5.0	7.6	87.	.9					
%RSD	.17659	.13016	.19637	.02728					
#1	2860.5	5797.8	44519.	3420.5					
#2	2854.0	5812.7	44398.	3421.5					
#3	2864.0	5807.1	44349.	3419.6					

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Sample Name: MidStd Acquired: 4/21/2016 9:49:03 Type: Cal
Method: 60102007_042011(v72) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.340	9.046	3.191	15.97	22.13	9.869	9.157	4.879	1.066
Stddev	.0007	.026	.0011	.06	.08	.060	.017	.011	.003
%RSD	.5201	.2833	.3529	.3497	.3701	.6090	.1873	.2289	.2448
#1	1.1332	9.017	3.202	15.90	22.04	9.801	9.170	4.890	1.063
#2	1.1346	9.065	3.180	16.00	22.20	9.912	9.137	4.867	1.068
#3	1.1341	9.055	3.193	16.00	22.16	9.895	9.163	4.880	1.067
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.675	6.211	3.970	1.071	5.678	1.880	16.96	2.967	1.620
Stddev	.005	.025	.025	.007	.014	.005	.05	.009	.003
%RSD	.2768	.4043	.6231	.6389	.2483	.2539	.2916	.3143	.1877
#1	1.672	6.185	3.942	1.064	5.662	1.885	16.92	2.973	1.624
#2	1.680	6.235	3.989	1.077	5.681	1.876	17.02	2.956	1.619
#3	1.673	6.215	3.979	1.073	5.689	1.879	16.94	2.971	1.618
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.384	2.203	5.788	7.055	30.17	3.930	5.089	1.359	4.614
Stddev	.0012	.0009	.0018	.0014	.10	.009	.0012	.005	.013
%RSD	.2650	.3866	.3057	.2052	.3184	.2419	.2312	.3818	.2748
#1	4.398	2.213	5.807	7.068	30.08	3.919	5.103	1.353	4.616
#2	4.376	2.199	5.772	7.039	30.27	3.937	5.081	1.363	4.601
#3	4.380	2.197	5.784	7.057	30.17	3.934	5.084	1.361	4.626
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2579.5	5518.7	42365.	3323.0					
Stddev	5.3	18.2	125.	20.3					
%RSD	.20550	.32988	.29513	.61222					
#1	2573.7	5499.5	42496.	3330.4					
#2	2580.8	5535.7	42247.	3300.0					
#3	2584.1	5520.8	42352.	3338.6					

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Sample Name: HighStd Acquired: 4/21/2016 9:52:40 Type: Cal
Method: 60102007_042011(v72) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.685	17.86	6.492	31.91	43.86	19.34	18.20	9.687	2.097
Stddev	.0004	.06	.0015	.10	.18	.09	.02	.004	.003
%RSD	.1352	.3308	.2242	.3287	.4092	.4849	.1022	.0418	.1618
#1	2.681	17.82	6.496	31.80	43.69	19.34	18.20	9.688	2.101
#2	2.687	17.93	6.503	32.01	44.05	19.44	18.22	9.690	2.094
#3	2.686	17.83	6.475	31.91	43.85	19.25	18.18	9.682	2.097
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.305	12.45	7.930	2.104	10.99	3.776	33.94	5.910	3.306
Stddev	.004	.05	.029	.015	.02	.001	.18	.012	.011
%RSD	.1230	.4131	.3633	.6993	.1774	.0328	.5289	.2018	.3407
#1	3.303	12.44	7.910	2.109	10.99	3.778	33.78	5.909	3.319
#2	3.302	12.50	7.963	2.115	10.97	3.776	34.14	5.923	3.302
#3	3.310	12.40	7.917	2.087	11.01	3.776	33.90	5.899	3.298
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062

Sample Name: HSTD Acquired: 4/21/2016 9:56:37 Type: QC
 Method: 60102007_042011(v72) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.955	79.05	3.962	3.947	3.940	78.94	3.929	3.933	3.936
Stddev	.0015	.34	.012	.013	.006	.13	.005	.005	.005
%RSD	.2939	.4320	.2978	.3287	.1414	.1644	.1215	.1175	.1376
#1	.4971	78.68	3.974	3.933	3.933	78.83	3.931	3.938	3.942
#2	.4943	79.11	3.962	3.950	3.941	78.89	3.931	3.933	3.933
#3	.4951	79.35	3.950	3.959	3.944	79.08	3.923	3.929	3.932

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.956	78.70	79.42	79.24	3.937	3.954	79.40	3.919	3.989
Stddev	.013	.25	.48	.25	.008	.006	.20	.004	.008
%RSD	.3341	.3139	.6107	.3182	.2056	.1647	.2502	.0883	.1911
#1	3.969	78.45	78.92	79.07	3.944	3.961	79.17	3.921	3.991
#2	3.943	78.72	79.45	79.11	3.928	3.953	79.54	3.921	3.996
#3	3.955	78.94	79.89	79.53	3.938	3.948	79.47	3.915	3.981

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.956	3.959	4.573	3.912	3.931	3.946	3.955	3.950	3.932
Stddev	.010	.009	.011	.004	.009	.013	.014	.008	.005
%RSD	.2576	.2271	.2438	.0961	.2427	.3307	.3565	.1927	.1408
#1	3.965	3.970	4.584	3.916	3.920	3.953	3.957	3.954	3.935
#2	3.958	3.955	4.571	3.910	3.935	3.931	3.969	3.941	3.936
#3	3.945	3.953	4.562	3.910	3.937	3.955	3.941	3.955	3.926

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 4/21/2016 9:56:37 Type: QC
 Method: 60102007_042011(v72) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2409.3	5338.7	41411.	3313.3
Stddev	7.6	11.2	137.	20.8
%RSD	.31369	.20902	.33125	.62782
#1	2410.9	5332.9	41258.	3333.1
#2	2401.0	5331.7	41451.	3315.1
#3	2415.9	5351.6	41524.	3291.6

Sample Name: ICV Acquired: 4/21/2016 10:02:46 Type: QC
 Method: 60102007_042011(v72) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.458	41.13	1.989	2.066	2.052	41.89	2.032	2.043	2.038
Stddev	.0013	.19	.005	.008	.011	.26	.003	.003	.004
%RSD	.5099	.4633	.2473	.3947	.5177	.6270	.1402	.1364	.2230
#1	.2449	41.21	1.983	2.065	2.059	42.10	2.029	2.039	2.043
#2	.2472	40.91	1.992	2.058	2.040	41.60	2.034	2.044	2.034
#3	.2452	41.27	1.992	2.074	2.057	41.98	2.034	2.045	2.037

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.007	41.44	41.63	42.24	2.100	1.934	41.90	2.044	2.013
Stddev	.007	.25	.25	.41	.004	.001	.24	.005	.003
%RSD	.3571	.5939	.6054	.9602	.1751	.0579	.5779	.2327	.1397
#1	2.001	41.64	41.83	42.41	2.104	1.934	42.11	2.038	2.013
#2	2.015	41.17	41.35	41.78	2.098	1.933	41.63	2.046	2.010
#3	2.006	41.51	41.71	42.54	2.097	1.935	41.94	2.046	2.016

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.010	2.028	10.15	2.057	1.948	1.973	2.074	1.917	2.049
Stddev	.005	.002	.0021	.001	.011	.003	.006	.005	.003
%RSD	.2633	.1037	2.062	.0560	.5600	.1653	.3005	.2808	.1468
#1	2.004	2.026	10.05	2.057	1.955	1.977	2.069	1.922	2.046
#2	2.013	2.029	10.39	2.056	1.935	1.971	2.072	1.917	2.052
#3	2.013	2.030	10.00	2.058	1.954	1.972	2.081	1.912	2.050

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 4/21/2016 10:02:46 Type: QC
 Method: 60102007_042011(v72) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2558.8	5477.3	41976.	3316.9
Stddev	10.2	10.9	109.	39.4
%RSD	.39699	.19843	.26011	1.1871
#1	2565.3	5489.8	41851.	3278.4
#2	2563.9	5472.1	42055.	3357.1
#3	2547.1	5470.0	42022.	3315.2

Sample Name: ICB Acquired: 4/21/2016 10:09:57 Type: QC
 Method: 60102007_042011(v72) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0032	-.0003	.0000	-.0001	-.0052	-.0001	-.0002	-.0002
Stddev	.0002	.0082	.0009	.000	.0000	.0050	.0000	.0001	.0002
%RSD	374.5	253.4	361.4	935.3	31.61	96.65	41.54	35.87	111.5
#1	.0003	.0088	-.0013	.0001	-.0001	-.0009	-.0001	-.0002	-.0003
#2	.0000	.0071	.0005	.0000	-.0001	-.0039	-.0001	-.0003	.0001
#3	-.0001	-.0062	.0000	-.0002	-.0002	-.0107	-.0002	-.0001	-.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	-.0078	-.0236	.0199	-.0004	-.0008	.0103	-.0004	-.0008
Stddev	.0002	.0028	.0488	.0228	.0001	.0001	.0048	.0001	.0006
%RSD	60.67	36.65	206.8	114.7	19.51	14.12	47.07	17.78	76.07
#1	-.0003	-.0048	.0028	.0447	-.0003	-.0008	.0135	-.0004	-.0009
#2	-.0005	-.0104	-.0799	.0000	-.0004	-.0006	.0126	-.0003	-.0013
#3	-.0001	-.0081	.0063	.0148	-.0004	-.0008	.0047	-.0004	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	.0001	-.0005	-.0002	-.0001	-.0008	-.0003	-.0004	-.0002
Stddev	.0001	.0016	.0007	.0001	.0002	.0000	.0001	.0002	.0001
%RSD	13.92	1528.	124.4	80.08	104.6	3.569	45.54	37.30	36.45
#1	.0008	-.0010	.0002	-.0003	.0000	-.0007	-.0002	-.0002	-.0001
#2	.0009	-.0006	-.0010	.0000	-.0002	-.0008	-.0004	-.0004	-.0002
#3	.0007	.0019	-.0008	-.0002	-.0002	-.0008	-.0002	-.0005	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 4/21/2016 10:09:57 Type: QC
 Method: 60102007_042011(v72) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2972.2	5754.3	44518.	3445.9
Stddev	12.5	14.8	128.	11.3
%RSD	.42095	.25707	.28824	.32857
#1	2961.6	5746.5	44595.	3453.2
#2	2986.0	5771.3	44370.	3451.7
#3	2969.0	5744.9	44590.	3432.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	-.0078	-.0236	.0199	-.0004	-.0008	.0103	-.0004	-.0008
Stddev	.0002	.0028	.0488	.0228	.0001	.0001	.0048	.0001	.0006
%RSD	60.67	36.65	206.8	114.7	19.51	14.12	47.07	17.78	76.07
#1	-.0003	-.0048	.0028	.0447	-.0003	-.0008	.0135	-.0004	-.0009
#2	-.0005	-.0104	-.0799	.0000	-.0004	-.0006	.0126	-.0003	-.0013
#3	-.0001	-.0081	.0063	.0148	-.0004	-.0008	.0047	-.0004	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	.0001	-.0005	-.0002	-.0001	-.0008	-.0003	-.0004	-.0002
Stddev	.0001	.0016	.0007	.0001	.0002	.0000	.0001	.0002	.0001
%RSD	13.92	1528.	124.4	80.08	104.6	3.569	45.54	37.30	36.45
#1	.0008	-.0010	.0002	-.0003	.0000	-.0007	-.0002	-.0002	-.0001
#2	.0009	-.0006	-.0010	.0000	-.0002	-.0008	-.0004	-.0004	-.0002
#3	.0007	.0019	-.0008	-.0002	-.0002	-.0008	-.0002	-.0005	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CRIA Acquired: 4/21/2016 10:13:38 Type: QC
 Method: 60102007_042011(v72) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0093	.2220	.0098	.2106	.0049	1.100	.0054	.0553	.0107
Stddev	.0008	.0059	.0004	.0008	.0001	.014	.0001	.0003	.0000
%RSD	8.705	2.668	3.999	.3947	2.794	1.293	1.184	.5872	.2391
#1	.0101	.2180	.0102	.2115	.0051	1.115	.0054	.0551	.0107
#2	.0091	.2191	.0099	.2098	.0048	1.099	.0053	.0550	.0107
#3	.0085	.2288	.0094	.2105	.0049	1.087	.0054	.0556	.0107

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0268	.3051	10.29	5.396	.0165	.0504	10.51	.0445	.0049
Stddev	.0001	.0031	.08	.043	.0001	.0001	.07	.0002	.0003
%RSD	.2543	1.022	.7895	.7871	.5578	.1305	.6717	.5338	5.489
#1	.0267	.3020	10.38	5.364	.0164	.0503	10.57	.0444	.0047
#2	.0268	.3050	10.22	5.379	.0166	.0504	10.51	.0443	.0048
#3	.0268	.3082	10.28	5.444	.0164	.0505	10.43	.0447	.0052

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046	.0094	.0118	.0547	.0101	.0093	.0108	.0504	.0236
Stddev	.0009	.0018	.0002	.0000	.0001	.0001	.0012	.0002	.0002
%RSD	19.52	19.17	2.023	.0654	.9857	.5519	11.23	.3025	.9557
#1	.0036	.0079	.0115	.0547	.0100	.0094	.0099	.0502	.0235
#2	.0048	.0089	.0119	.0547	.0102	.0093	.0103	.0503	.0234
#3	.0053	.0114	.0119	.0548	.0101	.0093	.0122	.0505	.0239

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 4/21/2016 10:13:38 Type: QC
 Method: 60102007_042011(v72) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2894.6	5729.7	43694.	3411.3
Stddev	6.7	11.6	56.	10.6
%RSD	.23292	.20269	.12726	.31081
#1	2889.9	5735.4	43705.	3415.4
#2	2902.3	5737.3	43743.	3399.2
#3	2891.7	5716.3	43634.	3419.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0268	.3051	10.29	5.396	.0165	.0504	10.51	.0445	.0049
Stddev	.0001	.0031	.08	.043	.0001	.0001	.07	.0002	.0003
%RSD	.2543	1.022	.7895	.7871	.5578	.1305	.6717	.5338	5.489
#1	.0267	.3020	10.38	5.364	.0164	.0503	10.57	.0444	.0047
#2	.0268	.3050	10.22	5.379	.0166	.0504	10.51	.0443	.0048
#3	.0268	.3082	10.28	5.444	.0164	.0505	10.43	.0447	.0052

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046	.0094	.0118	.0547	.0101	.0093	.0108	.0504	.0236
Stddev	.0009	.0018	.0002	.0000	.0001	.0001	.0012	.0002	.0002
%RSD	19.52	19.17	2.023	.0654	.9857	.5519	11.23	.3025	.9557
#1	.0036	.0079	.0115	.0547	.0100	.0094	.0099	.0502	.0235
#2	.0048	.0089	.0119	.0547	.0102	.0093	.0103	.0503	.0234
#3	.0053	.0114	.0119	.0548	.0101	.0093	.0122	.0505	.0239

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSCA Acquired: 4/21/2016 10:19:19 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	499.3	-0.014	-0.006	-0.004	490.3	-0.001	-0.004	-0.004
Stddev	.0006	3.0	.0021	.0001	.0001	4.1	.0001	.0001	.0002
%RSD	171.9	.6038	150.4	15.29	15.13	.8359	224.7	25.34	53.83
#1	-0.006	502.2	-0.017	-0.006	-0.004	494.7	.0000	-0.006	-0.003
#2	-0.008	499.6	.0008	-0.005	-0.004	489.4	-0.002	-0.004	-0.006
#3	.0003	496.2	-0.032	-0.007	-0.005	486.6	.0000	-0.004	-0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	188.8	.0669	517.8	-0.008	-0.007	.2301	.0000	.0002
Stddev	.0002	.6	.0681	2.1	.0000	.0004	.0133	.0002	.0013
%RSD	414.2	.2929	101.8	.4147	3.343	58.52	5.788	504.7	797.9
#1	-0.002	189.1	-0.032	518.2	-0.008	-0.011	.2164	-0.001	.0004
#2	-0.002	189.0	.1328	519.8	-0.008	-0.007	.2308	.0001	-0.013
#3	.0002	188.1	.0712	515.5	-0.008	-0.003	.2430	.0002	.0013

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	.0009	.0622	F .0012	-0.002	-0.017	-0.002	-0.004	-0.027
Stddev	.0018	.0020	.0011	.0005	.0001	.0001	.0025	.0002	.0001
%RSD	216.8	216.0	1.703	36.79	72.00	3.365	1129.	43.89	2.466
#1	.0013	-0.010	.0628	.0009	-0.003	-0.017	-0.010	-0.002	-0.027
#2	.0024	.0008	.0610	.0011	.0000	-0.016	.0026	-0.005	-0.027
#3	-0.012	.0031	.0629	.0017	-0.002	-0.017	-0.022	-0.004	-0.026

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSCA Acquired: 4/21/2016 10:19:19 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2320.1	5105.0	38327.	3179.1
Stddev	2.4	11.0	46.	14.3
%RSD	.10402	.21463	.12114	.45104
#1	2321.8	5095.6	38314.	3168.0
#2	2317.3	5102.5	38289.	3174.0
#3	2321.2	5117.0	38379.	3195.3

Sample Name: ICSAB Acquired: 4/21/2016 10:24:20 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.049	497.8	1.096	.5262	.5136	479.8	.9767	.4833	.5153
Stddev	.003	7.7	.003	.0013	.0036	2.4	.0009	.0004	.0014
%RSD	.2652	1.554	.2829	.2519	.6926	.4967	.0886	.0834	.2621
#1	1.050	500.3	1.093	.5270	.5155	480.9	.9774	.4829	.5159
#2	1.046	489.1	1.094	.5247	.5095	477.1	.9758	.4832	.5161
#3	1.051	503.9	1.099	.5270	.5158	481.5	.9770	.4837	.5137

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5525	187.7	.0462	506.3	.5174	.9590	.2405	.9742	.9704
Stddev	.0016	.6	.0233	1.2	.0014	.0018	.0101	.0002	.0014
%RSD	.2882	.3379	50.47	.2380	.2698	.1848	4.194	.0182	.1405
#1	.5542	187.6	.0356	506.6	.5182	.9589	.2401	.9743	.9705
#2	.5512	187.2	.0730	504.9	.5182	.9572	.2508	.9740	.9690
#3	.5520	188.4	.0301	507.3	.5158	.9608	.2306	.9744	.9717

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.035	1.036	.0977	.9421	1.031	1.012	.9608	.4812	.9763
Stddev	.000	.006	.0005	.0016	.004	.002	.0056	.0011	.0008
%RSD	.0427	.5858	.5348	.1704	.4358	.2166	.5839	.2314	.0832
#1	1.035	1.035	.0983	.9424	1.028	1.014	.9672	.4818	.9773
#2	1.034	1.030	.0976	.9404	1.028	1.012	.9566	.4818	.9758
#3	1.035	1.042	.0973	.9436	1.036	1.009	.9586	.4799	.9760

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 4/21/2016 10:24:20 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2285.9	5075.0	38521.	3199.6
Stddev	2.6	7.8	198.	14.9
%RSD	.11308	.15417	.51356	.46545
#1	2283.6	5077.1	38442.	3199.2
#2	2288.7	5081.5	38375.	3214.7
#3	2285.3	5066.3	38746.	3184.9

Sample Name: CCV Acquired: 4/21/2016 10:30:42 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2494	39.23	2.001	1.960	1.971	39.21	2.014	2.005	1.988
Stddev	.0011	.15	.003	.010	.010	.23	.003	.003	.003
%RSD	.4248	.3713	.1266	.5277	.4954	.5797	.1354	.1246	.1430

#1	.2500	39.40	1.998	1.972	1.982	39.47	2.014	2.005	1.992
#2	.2501	39.13	2.003	1.953	1.964	39.10	2.016	2.008	1.986
#3	.2482	39.17	2.002	1.956	1.967	39.06	2.011	2.003	1.987

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.992	38.63	39.19	38.90	2.018	1.990	39.67	2.020	1.982
Stddev	.004	.18	.14	.18	.004	.001	.22	.004	.007
%RSD	.1932	.4759	.3661	.4705	.2176	.0432	.5587	.1775	.3359

#1	1.996	38.84	39.35	39.10	2.023	1.989	39.92	2.018	1.984
#2	1.989	38.52	39.07	38.76	2.015	1.991	39.50	2.025	1.987
#3	1.991	38.52	39.16	38.83	2.016	1.989	39.58	2.019	1.975

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.013	2.007	1.436	2.010	1.977	2.004	2.005	1.984	2.018
Stddev	.002	.004	.002	.002	.009	.004	.011	.003	.004
%RSD	.0935	.1847	.1155	.1163	.4649	.1890	.5525	.1425	.2056

#1	2.012	2.008	1.436	2.008	1.987	2.008	2.017	1.987	2.014
#2	2.015	2.011	1.438	2.012	1.974	2.002	2.004	1.983	2.022
#3	2.012	2.003	1.435	2.010	1.970	2.001	1.995	1.982	2.017

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/21/2016 10:30:42 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2607.5	5525.3	43042.	3428.8
Stddev	11.3	7.7	48.	13.1
%RSD	.43465	.13994	.11246	.38285

#1	2597.0	5520.0	43042.	3414.1
#2	2605.8	5521.7	43091.	3432.9
#3	2619.5	5534.1	42994.	3439.4

Sample Name: CCB Acquired: 4/21/2016 10:36:46 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	-0.0028	.0002	-0.0002	-0.0002	.0036	-0.0001	-0.0001	-0.0004
Stddev	.0006	.0067	.0004	.0003	.0000	.0029	.0001	.0001	.0002
%RSD	137.1	241.3	249.8	164.8	7.581	82.22	100.9	71.49	47.73

#1	-0.001	-0.0071	.0004	-0.0005	-0.0002	.0064	.0000	.0000	-0.0004
#2	.0004	.0049	-0.0003	.0000	-0.0002	.0006	-0.0001	-0.0002	-0.0002
#3	.0010	-0.0061	.0005	.0000	-0.0002	.0037	-0.0002	-0.0001	-0.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.0021	.0279	.0153	-0.0003	-0.0009	.0211	.0000	-0.0005
Stddev	.000	.0059	.0155	.0127	.0000	.0001	.0055	.000	.0003
%RSD	1196.	287.7	55.34	82.65	11.50	16.88	26.02	7.582	54.63

#1	.0000	.0043	.0351	.0130	-0.0003	-0.0007	.0173	.0000	-0.0002
#2	.0001	-0.0029	.0102	.0290	-0.0003	-0.0010	.0185	-0.0001	-0.0006
#3	-0.0001	-0.0075	.0385	.0040	-0.0003	-0.0009	.0274	.0000	-0.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0007	.0007	.0001	.0000	-0.0003	-0.0009	.0003	-0.0004	.0002
Stddev	.0011	.0011	.0002	.000	.0001	.0001	.0010	.0002	.0002
%RSD	154.3	150.2	167.9	135.5	44.03	10.72	283.6	45.93	135.1

#1	.0003	.0019	.0001	.0000	-0.0002	-0.0008	.0012	-0.0005	.0001
#2	-0.0006	.0003	.0004	-0.0001	-0.0002	-0.0009	.0006	-0.0005	.0000
#3	-0.0018	-0.0001	-0.0001	-0.0001	-0.0004	-0.0009	-0.0007	-0.0002	.0004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/21/2016 10:36:46 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3029.2	5748.1	44844.	3375.9
Stddev	2.2	8.0	265.	5.9
%RSD	.07167	.13859	.59128	.17499

#1	3027.1	5756.8	44539.	3378.1
#2	3029.2	5746.0	44970.	3380.5
#3	3031.5	5741.3	45022.	3369.3

Sample Name: FA33180-8 Acquired: 4/21/2016 10:41:36 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	6.934	0.150	0.059	0.010	40.97	0.009	0.126	0.171
Stddev	0.000	0.040	0.005	0.002	0.001	0.10	0.000	0.002	0.004
%RSD	2.070	0.5831	3.229	4.027	15.64	2.380	3.918	1.656	2.380
#1	-0.003	6.979	0.147	0.057	0.011	41.06	0.009	0.129	0.167
#2	-0.003	6.921	0.156	0.051	0.009	40.97	0.009	0.125	0.175
#3	-0.003	6.902	0.148	0.058	0.008	40.87	0.009	0.125	0.170
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.074	21.36	1.966	11.46	5.491	0.006	2.033	0.447	0.091
Stddev	0.002	0.09	0.081	0.13	0.023	0.002	0.024	0.004	0.009
%RSD	3.125	0.4238	4.120	1.122	0.4198	32.58	1.172	0.7871	10.30
#1	0.076	21.47	1.951	11.60	5.504	0.007	2.055	0.449	0.084
#2	0.071	21.31	2.054	11.43	5.464	0.008	2.037	0.443	0.102
#3	0.075	21.31	1.894	11.35	5.504	0.004	2.007	0.449	0.088
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.007	0.004	7.083	-0.009	0.3170	0.816	-0.023	0.036	0.249
Stddev	0.010	0.0034	0.015	0.003	0.0016	0.012	0.001	0.000	0.005
%RSD	154.9	850.8	0.2177	30.45	0.5080	1.492	2.876	0.1125	0.2149
#1	0.004	0.001	7.074	-0.007	0.3189	0.802	-0.023	0.036	0.246
#2	-0.008	-0.0028	7.074	-0.009	0.3160	0.820	-0.023	0.036	0.235
#3	-0.016	0.0039	7.101	-0.012	0.3163	0.825	-0.022	0.035	0.2347
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2914.4	6496.1	50788.	3908.2					
Stddev	5.4	12.2	190.	16.1					
%RSD	0.18364	0.18757	0.37417	0.41321					
#1	2908.6	6487.2	50573.	3897.0					
#2	2915.7	6510.0	50935.	3900.7					
#3	2919.0	6491.1	50855.	3926.7					

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Sample Name: FA33214-1 Acquired: 4/21/2016 10:45:58 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	0.046	1.711	-0.122	0.029	-0.124	1431.	-0.062	-0.018
Stddev	0.164	0.187	0.160	0.063	0.028	4.	0.007	0.024
%RSD	355.8	10.91	131.6	27.62	22.47	0.3043	10.89	133.5
#1	-0.135	1.496	-0.249	0.176	-0.150	1434.	-0.069	-0.002
#2	0.184	1.832	-0.058	0.299	-0.095	1426.	-0.055	-0.046
#3	0.090	1.804	-0.175	0.212	-0.128	1434.	-0.061	-0.007
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	-0.091	0.312	1.463	73.98	384.8	4.686	0.635	22420.
Stddev	0.042	0.062	0.069	1.06	2.4	0.009	0.029	200.
%RSD	46.45	20.00	4.698	1.439	0.6203	0.2022	4.513	0.8912
#1	-0.051	0.365	1.481	74.31	386.1	4.696	0.609	22590.
#2	-0.135	0.328	1.522	72.79	382.0	4.684	0.666	22480.
#3	-0.087	0.243	1.388	74.85	386.3	4.677	0.632	22200.
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	-0.049	-0.063	-0.017	0.254	4.743	-0.104	27.34	0.121
Stddev	0.061	0.192	0.127	0.169	0.003	0.048	0.05	0.010
%RSD	125.1	303.6	771.2	66.56	0.0579	45.86	0.1996	8.319
#1	-0.115	0.107	0.011	0.443	4.742	-0.063	27.33	0.128
#2	0.008	-0.271	-0.155	0.198	4.746	-0.092	27.29	0.109
#3	-0.041	-0.026	0.095	0.119	4.741	-0.156	27.40	0.126
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	-0.078	-0.156	0.3247					
Stddev	0.420	0.098	0.007					
%RSD	538.0	62.44	0.2218					
#1	0.130	-0.111	0.3239					
#2	0.197	-0.090	0.3251					
#3	-0.0562	-0.268	0.3252					

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7.2
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Sample Name: FA33214-1 Acquired: 4/21/2016 10:45:58 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2333.7	5104.7	38110.	3345.3
Stddev	4.5	11.9	103.	14.5
%RSD	0.19208	0.23265	0.26948	0.43366
#1	2336.0	5109.3	37998.	3329.0
#2	2328.5	5091.2	38134.	3356.9
#3	2336.5	5113.6	38199.	3350.0

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Sample Name: MP30257-D1 Acquired: 4/21/2016 10:50:30 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.010	1.338	0.037	0.109	-0.148	1437.	-0.059	-0.072
Stddev	0.109	0.109	0.065	0.124	0.016	22.	0.019	0.034
%RSD	1065.	8.107	174.8	113.9	11.10	1.528	32.20	47.23
#1	0.106	1.327	-0.005	-0.009	-0.166	1418.	-0.037	-0.056
#2	-0.110	1.236	0.112	0.097	-0.144	1431.	-0.072	-0.111
#3	-0.027	1.452	0.004	0.238	-0.133	1461.	-0.069	-0.048
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	-0.070	0.287	1.211	80.12	387.6	4.825	0.606	21460.
Stddev	0.059	0.044	0.072	2.19	5.8	0.074	0.044	288.
%RSD	84.68	15.40	5.944	2.733	1.486	1.533	7.235	1.344
#1	-0.002	0.338	1.163	78.03	383.9	4.877	0.655	21400.
#2	-0.105	0.262	1.176	79.95	384.7	4.740	0.570	21210.
#3	-0.104	0.262	1.294	82.40	394.2	4.858	0.594	21770.
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	-0.086	-0.345	-0.179	0.114	4.556	-0.044	27.23	0.112
Stddev	0.015	0.174	0.241	0.359	0.071	0.143	0.44	0.043
%RSD	17.01	50.44	134.6	314.2	1.549	324.1	1.616	38.11
#1	-0.080	-0.169	-0.374	0.365	4.636	-0.207	26.87	0.077
#2	-0.075	-0.518	0.090	0.274	4.504	0.013	27.11	0.099
#3	-0.103	-0.349	-0.253	-0.297	4.527	0.061	27.72	0.159
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	-0.242	-0.111	0.3476					
Stddev	0.077	0.015	0.020					
%RSD	31.78	13.93	0.5708					
#1	-0.155	-0.129	0.3497					
#2	-0.299	-0.104	0.3457					
#3	-0.273	-0.101	0.3473					

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Sample Name: MP30257-D1 Acquired: 4/21/2016 10:50:30 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 25.000000
User: admin SSTRACE01: : :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2310.1	5080.1	36978.	3331.8
Stddev	25.6	53.3	424.	52.2
%RSD	1.1100	1.0483	1.1456	1.5679
#1	2284.5	5023.5	36904.	3376.1
#2	2335.7	5129.2	37433.	3345.2
#3	2310.1	5087.6	36596.	3274.2

Sample Name: MP30257-S1 Acquired: 4/21/2016 10:55:04 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 25.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	0.543	28.52	2.166	2.074	0.396	1439.	0.466	0.576
Stddev	0.029	.18	.020	.008	.0023	2.	.0016	.0015
%RSD	5.284	.6235	.9173	.3778	5.707	.1603	3.451	.2881
#1	.0575	28.32	2.188	2.073	.0416	1441.	.0465	.5062
#2	.0520	28.66	2.150	2.082	.0372	1438.	.0482	.5075
#3	.0534	28.57	2.160	2.066	.0400	1436.	.0450	.5091
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	2045	2941	27.47	108.0	404.7	9930	5510	F 20530.
Stddev	0.089	0.047	.11	1.0	2.4	.0024	.0051	56.
%RSD	4.369	1.604	.4082	.9342	.5865	.2431	.9275	.2752
#1	2147	2980	27.46	106.9	403.8	9958	5451	20490.
#2	2009	2954	27.36	108.2	402.9	9916	5540	20600.
#3	1979	2888	27.59	108.9	407.4	9916	5540	20510.
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	5162	4754	5287	2.223	4.768	4918	27.22	5092
Stddev	0.040	0.060	0.059	.019	.019	0.0090	.07	0.0055
%RSD	.7761	1.260	10.76	.8522	.4073	1.821	.2661	1.085
#1	5126	4815	5526	2.242	4.757	4963	27.27	5154
#2	5205	4752	5698	2.222	4.758	4814	27.13	5074
#3	5155	4695	4638	2.204	4.791	4975	27.25	5049
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	1.926	4991	9395					
Stddev	.020	0.053	0.046					
%RSD	1.056	1.059	4869					
#1	1.950	4939	9356					
#2	1.913	5045	9383					
#3	1.915	4989	9446					

7.2
7

Sample Name: MP30257-S1 Acquired: 4/21/2016 10:55:04 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 25.000000
User: admin SSTRACE01: : :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2312.1	5096.1	38374.	3339.7
Stddev	1.0	5.9	64.	17.5
%RSD	.04335	.11651	.16585	.52409
#1	2312.4	5102.3	38300.	3323.1
#2	2312.8	5095.4	38411.	3358.0
#3	2310.9	5090.5	38411.	3338.0

Sample Name: MP30257-S2 Acquired: 4/21/2016 10:59:34 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 25.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	0.573	29.15	2.226	2.105	0.408	1449.	0.473	0.5143
Stddev	0.051	.29	.009	.008	.0014	4.	.0012	.0031
%RSD	8.970	.9850	.4178	.3833	3.325	.2737	2.565	6.024
#1	.0620	28.92	2.230	2.113	.0415	1449.	.0471	.5139
#2	.0518	29.07	2.215	2.104	.0417	1445.	.0461	.5176
#3	.0581	29.47	2.232	2.097	.0392	1453.	.0486	.5115
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	2079	2980	27.91	108.3	406.5	1.030	5558	F 20080.
Stddev	0.039	0.008	.15	2.0	2.1	.006	.0007	322.
%RSD	1.877	.2667	.5532	1.878	.5223	.6019	.1315	1.601
#1	2084	2971	28.01	107.2	404.4	1.032	.5558	20380.
#2	2038	2986	27.73	107.0	408.6	1.034	.5552	20120.
#3	2116	2983	27.98	110.6	406.3	1.023	.5566	19740.
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	5186	5169	5300	2.231	4.696	5083	27.58	5278
Stddev	0.042	0.0150	0.0151	.029	.013	0.0085	.06	0.0023
%RSD	.8151	2.906	2.849	1.308	.2767	1.673	.2271	.4420
#1	5233	5174	5277	2.215	4.697	4999	27.65	5291
#2	5150	5016	5163	2.265	4.683	5169	27.57	5251
#3	5177	5316	5462	2.214	4.709	5082	27.53	5291
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	1.972	5011	9922					
Stddev	.010	0.078	0.015					
%RSD	4.975	1.558	.1527					
#1	1.971	4975	9909					
#2	1.962	5100	9918					
#3	1.981	4957	9939					

Sample Name: MP30257-S2 Acquired: 4/21/2016 10:59:34 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 25.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2323.7	5117.2	38198.	3338.6
Stddev	.7	1.7	163.	20.3
%RSD	.02811	.03257	.42676	.60772
#1	2323.7	5118.7	38013.	3360.4
#2	2323.1	5117.7	38321.	3320.2
#3	2324.4	5115.4	38260.	3335.1

Sample Name: MP30257-PS1 Acquired: 4/21/2016 11:04:05 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 25.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	.0566	4.978	.1163	.3258	.0463	1461.	.0553	.0545
Stddev	.0091	.143	.0314	.0047	.0012	9.	.0002	.0023
%RSD	16.09	2.876	26.97	1.442	2.566	.6342	.3215	4.164
#1	.0483	4.985	.1473	.3242	.0452	1450.	.0551	.0554
#2	.0663	4.831	.0846	.3311	.0461	1465.	.0554	.0562
#3	.0551	5.117	.1169	.3222	.0476	1468.	.0555	.0519
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.0532	.1557	5.041	96.47	400.0	.5343	.1805	F 20550.
Stddev	.0012	.0093	.038	1.17	5.0	.0029	.0033	379.
%RSD	2.312	5.969	.7588	1.218	1.261	.5508	1.848	1.846
#1	.0547	.1602	5.066	95.91	394.2	.5376	.1838	20180.
#2	.0525	.1619	5.060	95.68	402.5	.5320	.1807	20940.
#3	.0526	.1450	4.997	97.82	403.3	.5334	.1771	20530.
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.1109	.0262	.1280	.0757	4.750	.0501	27.64	.1313
Stddev	.0035	.0187	.0243	.0208	.016	.0070	.11	.0030
%RSD	3.162	71.26	19.00	27.50	.3304	14.03	.3983	2.315
#1	.1125	.0048	.1522	.0956	4.741	.0427	27.54	.1348
#2	.1133	.0346	.1035	.0774	4.768	.0510	27.61	.1295
#3	.1069	.0391	.1284	.0541	4.741	.0567	27.76	.1296
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	.0819	.0417	.6455					
Stddev	.0124	.0076	.0001					
%RSD	15.09	18.24	.0199					
#1	.0688	.0434	.6456					
#2	.0934	.0334	.6456					
#3	.0836	.0484	.6454					

7.2
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Sample Name: MP30257-PS1 Acquired: 4/21/2016 11:04:05 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 25.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2306.9	5066.9	37744.	3267.1
Stddev	1.0	3.1	30.	25.9
%RSD	.04380	.06044	.07828	.79300
#1	2306.5	5067.3	37754.	3294.8
#2	2306.2	5069.7	37766.	3243.5
#3	2308.1	5063.6	37710.	3263.2

Sample Name: MP30257-SD1 Acquired: 4/21/2016 11:08:36 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 125.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	.0147	.1298	-.0264	-.0432	-.0627	1463.	-.0301	-.0269
Stddev	.0053	1.042	.0354	.0179	.0075	3.	.0007	.0177
%RSD	35.92	802.6	134.3	41.50	11.93	.2108	2.270	65.79
#1	.0177	.0955	-.0414	-.0299	-.0693	1464.	-.0298	-.0102
#2	.0086	-.8945	-.0141	-.0361	-.0546	1459.	-.0296	-.0250
#3	.0179	1.188	-.0518	-.0636	-.0642	1465.	-.0309	-.0454
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	-.0601	-.0151	-.7288	72.97	398.5	.4001	-.1351	F 23950.
Stddev	.0125	.0068	.2355	1.35	3.8	.0015	.0084	23.
%RSD	20.78	45.27	32.31	1.853	.9595	.3837	6.197	.0949
#1	-.0745	-.0175	-.7680	72.81	398.0	.4007	-.1366	23960.
#2	-.0521	-.0074	-.9423	74.39	402.5	.4013	-.1426	23920.
#3	-.0538	-.0203	-.4762	71.70	394.9	.3984	-.1261	23960.
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	-.0624	-.0588	-.0199	-.0701	4.638	-.0408	27.15	-.1221
Stddev	.0245	.0356	.0466	.2711	.076	.0262	.03	.0038
%RSD	39.20	60.53	233.7	386.6	1.631	64.23	.1278	3.137
#1	-.0342	-.0788	-.0213	-.2709	4.560	-.0160	27.17	-.1177
#2	-.0750	-.0177	.0273	.2382	4.642	-.0682	27.16	-.1244
#3	-.0781	-.0798	-.0658	-.1777	4.711	-.0382	27.11	-.1243
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	-.2061	-.1016	.9219					
Stddev	.0332	.0189	.0090					
%RSD	16.12	18.64	.9762					
#1	-.2064	-.1235	.9270					
#2	-.2392	-.0915	.9116					
#3	-.1728	-.0899	.9273					

Sample Name: MP30257-SD1 Acquired: 4/21/2016 11:08:36 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 125.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2645.7	5527.6	41959.	3362.4
Stddev	2.6	2.6	114.	10.2
%RSD	.09901	.04758	.27092	.30305
#1	2644.7	5529.3	41973.	3351.0
#2	2648.7	5529.1	41839.	3365.4
#3	2643.8	5524.6	42065.	3370.6

Sample Name: FA33214-3 Acquired: 4/21/2016 11:13:14 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 500.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.1324	-4.949	-1.238	-2.570	-2.588	831.0	-1.127	-1.530	-2.672
Stddev	.1689	2.930	.3226	.1935	.0195	3.7	.0095	.0601	.0644
%RSD	127.5	59.21	260.6	75.30	7.529	.4482	8.403	39.25	24.12
#1	-0.589	-7.234	.1586	-4.343	-2.736	827.9	-1.187	-2.175	-2.022
#2	.1952	-5.966	-0.546	-2.862	-2.660	835.1	-1.176	-1.432	-2.682
#3	.2610	-1.645	-4.754	-0.506	-2.367	829.8	-1.018	-0.985	-3.311
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.192	-10.21	72.44	141.8	-2.712	-7.387	11180.	-1.741	-3.216
Stddev	.1155	1.75	8.21	13.2	.0149	.1272	34.	.1387	.2717
%RSD	602.7	17.13	11.34	9.300	5.483	17.21	.3063	79.69	84.46
#1	.1032	-11.54	69.29	156.6	-2.849	-7.079	11200.	-1.230	-5.232
#2	-1.262	-8.228	81.77	131.3	-2.554	-6.297	11200.	-0.681	-0.127
#3	-0.345	-10.87	66.27	137.6	-2.732	-8.784	11140.	-3.311	-4.290
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-2.770	.0384	4.046	-3.535	12.17	-7.541	-0.239	-3.810	3.189
Stddev	.2829	.1633	.055	.0831	.03	.0437	.6256	.0262	.050
%RSD	102.1	424.9	1.348	23.52	.2199	5.791	2619.	6.878	1.557
#1	-4.595	.0491	4.096	-4.129	12.19	-7.415	.1645	-3.859	3.141
#2	.0489	.1962	4.054	-3.890	12.14	-7.181	.4859	-3.526	3.185
#3	-4.203	-1.300	3.988	-2.585	12.18	-8.027	-7.220	-4.043	3.240
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2924.4	5779.4	45144.	3467.0					
Stddev	4.2	9.6	93.	20.7					
%RSD	.14307	.16666	.20709	.59730					
#1	2924.9	5790.5	45196.	3451.6					
#2	2928.2	5773.4	45036.	3458.8					
#3	2919.9	5774.3	45200.	3490.5					

7.2
7

Sample Name: MP30261-MB1 Acquired: 4/21/2016 11:19:10 Type: QC
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-0.0085	-0.0111	-0.0007	-0.0006	.0206	-0.0003	-0.0005	-0.0003
Stddev	.0004	.0051	.0009	.0001	.0001	.0025	.0000	.0001	.0002
%RSD	238.6	60.32	83.03	14.80	17.88	11.92	11.43	31.63	68.82
#1	-0.003	-0.029	-0.001	-0.007	-0.005	.0178	-0.002	-0.004	-0.002
#2	.0003	-0.129	-0.019	-0.005	-0.006	.0214	-0.003	-0.004	-0.006
#3	.0005	-0.097	-0.013	-0.007	-0.007	.0226	-0.003	-0.006	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.183	.0422	.0182	-0.006	-0.017	.2350	-0.005	-0.002
Stddev	.0001	.0013	.0356	.0189	.0000	.0000	.0116	.0003	.0001
%RSD	76.73	7.183	84.19	104.3	2.999	2.082	4.950	66.29	25.99
#1	-0.001	-0.186	.0821	.0350	-0.006	-0.017	.2484	-0.002	-0.002
#2	-0.003	-0.168	.0137	-0.023	-0.006	-0.017	.2277	-0.005	-0.002
#3	-0.001	-0.194	.0309	.0218	-0.005	-0.016	.2289	-0.009	-0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0003	.0087	-0.001	-0.006	-0.012	-0.021	-0.008	-0.003
Stddev	.0004	.0025	.0005	.0004	.0001	.0000	.0010	.0003	.0000
%RSD	412.6	839.7	5.821	297.8	16.77	2.667	46.47	35.50	11.63
#1	-0.004	-0.027	.0081	.0003	-0.007	-0.012	-0.026	-0.008	-0.002
#2	.0004	.0023	.0091	-0.005	-0.005	-0.013	-0.026	-0.011	-0.003
#3	.0003	-0.005	.0088	-0.002	-0.006	-0.012	-0.010	-0.005	-0.003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: MP30261-MB1 Acquired: 4/21/2016 11:19:10 Type: QC
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3009.9	5746.5	45499.	3414.4
Stddev	7.5	8.7	56.	26.0
%RSD	.24887	.15173	.12357	.76094
#1	3001.3	5739.7	45463.	3427.7
#2	3015.1	5743.5	45471.	3431.1
#3	3013.2	5756.4	45564.	3384.5

Sample Name: MP30261-B1 Acquired: 4/21/2016 11:23:38 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0485	27.33	2.032	2.073	.0524	25.93	.0525	.5220	.2099
Stddev	.0006	.13	.003	.010	.0002	.17	.0001	.0014	.0013
%RSD	1.265	.4809	.1441	.4858	.2918	.6471	.1576	.2654	.6373
#1	.0487	27.21	2.029	2.062	.0523	25.74	.0524	.5207	.2102
#2	.0479	27.31	2.032	2.077	.0523	26.05	.0526	.5217	.2084
#3	.0491	27.47	2.035	2.081	.0526	26.01	.0526	.5235	.2110

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2667	26.72	25.28	25.27	.5400	.5038	25.26	.5302	.5035
Stddev	.0003	.12	.14	.12	.0008	.0008	.08	.0012	.0005
%RSD	.1164	.4575	.5342	.4682	.1504	.1682	.3071	.2261	.0914
#1	.2664	26.58	25.13	25.16	.5397	.5035	25.17	.5298	.5030
#2	.2670	26.79	25.39	25.24	.5394	.5031	25.32	.5294	.5040
#3	.2666	26.80	25.32	25.39	.5409	.5047	25.29	.5316	.5034

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5191	2.050	.0220	.5189	.4954	.5094	2.041	.4958	.5248
Stddev	.0014	.004	.0003	.0019	.0019	.0010	.006	.0015	.0008
%RSD	.2654	.2100	1.318	.3711	.3820	.2040	.2811	.3005	.1584
#1	.5185	2.051	.0222	.5168	.4935	.5092	2.036	.4963	.5241
#2	.5182	2.046	.0216	.5194	.4973	.5084	2.047	.4941	.5247
#3	.5207	2.054	.0221	.5206	.4954	.5105	2.039	.4970	.5257

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30261-B1 Acquired: 4/21/2016 11:23:38 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2687.2	5545.5	4301.0	3332.7
Stddev	1.7	11.4	43.	27.8
%RSD	.06495	.20471	.09985	.83270
#1	2689.1	5549.2	42966.	3361.6
#2	2685.8	5554.5	43051.	3306.3
#3	2686.7	5532.7	43014.	3330.1

7.2
7

Sample Name: CCV Acquired: 4/21/2016 11:27:51 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2497	39.85	2.004	1.992	1.984	40.13	2.019	2.015	2.014
Stddev	.0003	.15	.003	.003	.005	.11	.003	.001	.009
%RSD	.1379	.3780	.1324	.1582	.2636	.2836	.1574	.0709	.4390
#1	.2493	40.01	2.001	1.996	1.990	40.26	2.021	2.017	2.022
#2	.2498	39.83	2.005	1.990	1.980	40.06	2.021	2.015	2.014
#3	.2500	39.71	2.007	1.990	1.981	40.06	2.015	2.014	2.005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.004	38.97	39.87	39.83	2.029	2.000	39.64	2.019	1.997
Stddev	.006	.19	.04	.30	.008	.002	.17	.005	.003
%RSD	.2940	.4794	.1068	.7526	.3875	.0787	.4339	.2353	.1626
#1	2.010	39.16	39.88	40.16	2.036	2.000	39.84	2.023	1.994
#2	1.999	38.97	39.82	39.72	2.031	1.998	39.53	2.020	2.000
#3	2.003	38.79	39.91	39.59	2.020	2.000	39.55	2.014	1.998

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.009	2.011	1.435	2.029	1.979	2.010	2.017	1.996	2.018
Stddev	.004	.002	.001	.001	.006	.007	.004	.002	.007
%RSD	.2153	.1048	.0445	.0577	.3062	.3264	.2014	.0782	.3408
#1	2.012	2.014	1.435	2.028	1.986	2.016	2.020	1.996	2.021
#2	2.004	2.009	1.435	2.030	1.979	2.011	2.013	1.997	2.023
#3	2.012	2.011	1.434	2.028	1.973	2.003	2.019	1.994	2.010

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/21/2016 11:27:51 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2590.5	5533.6	42732.	3332.2
Stddev	2.4	7.1	154.	26.8
%RSD	.09078	.12799	.36084	.80491
#1	2587.9	5525.5	42574.	3308.4
#2	2592.5	5536.3	42741.	3327.0
#3	2591.0	5538.9	42882.	3361.3

Sample Name: CCB Acquired: 4/21/2016 11:32:01 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	-0.0058	-0.0008	-0.0005	-0.0002	-0.0036	0.0000	-0.0002	-0.0003
Stddev	.0004	.0081	.0010	.0001	.0000	.0032	.000	.0001	.0001
%RSD	251.1	141.1	116.6	16.02	10.57	89.42	96.95	28.92	25.51
#1	-0.005	-0.0136	-0.0013	-0.0005	-0.0002	-0.0062	0.0000	-0.0002	-0.0002
#2	-0.004	-0.0026	-0.0015	-0.0006	-0.0002	-0.0047	-0.0001	-0.0001	-0.0003
#3	.0003	-0.0063	.0003	-0.0004	-0.0001	.0000	-0.0001	-0.0002	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	0.0035	0.0466	0.0303	-0.0003	-0.0004	0.1054	-0.0003	-0.0004
Stddev	.0001	.0014	.0250	.0238	.0000	.0004	.0071	.0001	.0001
%RSD	46.87	39.48	53.63	78.64	4.827	89.00	6.712	30.37	18.01
#1	-0.0003	.0050	.0730	.0351	-0.0003	-0.0001	.0996	-0.0003	-0.0005
#2	-0.0003	.0023	.0435	.0514	-0.0003	-0.0003	.1034	-0.0002	-0.0004
#3	-0.0001	.0031	.0233	.0044	-0.0002	-0.0008	.1133	-0.0004	-0.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0000	0.0013	0.0004	-0.0003	-0.0001	-0.0002	0.0008	-0.0005	0.0001
Stddev	.0001	.0008	.0003	.0001	.0001	.0002	.0001	.0001	.0001
%RSD	2104.	67.44	72.02	40.83	63.11	95.43	13.47	29.57	188.3
#1	-0.0007	.0003	.0002	-0.0004	-0.0001	.0000	.0008	-0.0003	.0001
#2	.0003	.0020	.0007	-0.0002	-0.0001	-0.0001	.0009	-0.0006	.0002
#3	.0003	.0014	.0002	-0.0004	-0.0002	-0.0004	.0007	-0.0005	-0.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/21/2016 11:32:01 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3072.8	5887.7	45866.	3455.0
Stddev	6.8	7.8	126.	18.6
%RSD	.22148	.13237	.27485	.53713
#1	3074.8	5891.9	45740.	3438.3
#2	3065.3	5878.7	45992.	3475.0
#3	3078.4	5892.4	45865.	3451.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	0.0035	0.0466	0.0303	-0.0003	-0.0004	0.1054	-0.0003	-0.0004
Stddev	.0001	.0014	.0250	.0238	.0000	.0004	.0071	.0001	.0001
%RSD	46.87	39.48	53.63	78.64	4.827	89.00	6.712	30.37	18.01
#1	-0.0003	.0050	.0730	.0351	-0.0003	-0.0001	.0996	-0.0003	-0.0005
#2	-0.0003	.0023	.0435	.0514	-0.0003	-0.0003	.1034	-0.0002	-0.0004
#3	-0.0001	.0031	.0233	.0044	-0.0002	-0.0008	.1133	-0.0004	-0.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0000	0.0013	0.0004	-0.0003	-0.0001	-0.0002	0.0008	-0.0005	0.0001
Stddev	.0001	.0008	.0003	.0001	.0001	.0002	.0001	.0001	.0001
%RSD	2104.	67.44	72.02	40.83	63.11	95.43	13.47	29.57	188.3
#1	-0.0007	.0003	.0002	-0.0004	-0.0001	.0000	.0008	-0.0003	.0001
#2	.0003	.0020	.0007	-0.0002	-0.0001	-0.0001	.0009	-0.0006	.0002
#3	.0003	.0014	.0002	-0.0004	-0.0002	-0.0004	.0007	-0.0005	-0.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: FA33248-3 Acquired: 4/21/2016 11:36:31 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.0001	0.0650	-0.0011	0.1526	-0.0005	0.1320	-0.0002	-0.0005	0.0000
Stddev	.0003	.0059	.0007	.0008	.0001	1.1	.0001	.0001	.000
%RSD	464.6	9.122	69.28	5.493	27.86	83.29	28.76	20.62	129.2
#1	-0.0001	.0716	-0.0003	.1529	-0.0003	0.1329	-0.0002	-0.0006	0.0000
#2	-0.0003	.0601	-0.0011	.1516	-0.0006	0.1308	-0.0001	-0.0005	-0.0001
#3	.0002	.0633	-0.0018	.1532	-0.0006	0.1323	-0.0003	-0.0004	0.0002

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0003	0.0261	1.546	23.57	0.0001	-0.0004	12.92	0.0020	-0.0009
Stddev	.0002	.0013	.046	.32	.0000	.0001	.09	.0001	.0008
%RSD	94.16	4.837	2.946	1.373	11.14	29.80	.7103	6.205	83.88
#1	-0.0001	.0263	1.559	23.91	.0001	-0.0003	12.97	.0021	-0.0001
#2	-0.0001	.0272	1.496	23.27	.0001	-0.0005	12.81	.0020	-0.0016
#3	-0.0005	.0247	1.584	23.52	.0001	-0.0005	12.97	.0019	-0.0011

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0000	0.0067	8.943	-0.0001	0.3324	0.0038	-0.0012	0.0005	0.0064
Stddev	.0007	.0011	.009	.0002	.0017	.0014	.0009	.0001	.0001
%RSD	8698.	16.52	1.059	321.3	5.148	35.56	72.14	16.50	1.953
#1	.0003	.0054	8.952	-0.0003	.3336	.0041	-0.0010	.0004	.0065
#2	-0.0008	.0073	8.933	.0001	.3305	.0050	-0.0022	.0005	.0064
#3	.0005	.0073	8.943	.0000	.3333	.0023	-0.0005	.0006	.0063

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2676.0	5469.6	42370.	3318.1
Stddev	8.6	16.4	127.	24.9
%RSD	.32255	.30010	.30080	.74912
#1	2666.4	5451.1	42416.	3296.8
#2	2678.7	5475.4	42225.	3345.4
#3	2683.0	5482.3	42467.	3312.1

Sample Name: MP30261-D1 Acquired: 4/21/2016 11:40:57 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.0002	0.0606	-0.0010	0.1476	-0.0005	0.1276	-0.0002	-0.0006	0.0001
Stddev	.0003	.0083	.0012	.0008	.0001	.6	.0000	.0001	.0001
%RSD	114.9	13.63	115.0	5.233	13.85	4.732	4.204	11.67	67.75
#1	.0005	.0690	-0.0014	.1480	-0.0005	0.1279	-0.0002	-0.0005	0.0000
#2	.0000	.0603	-0.0020	.1467	-0.0004	0.1269	-0.0002	-0.0006	.0001
#3	.0002	.0524	.0003	.1480	-0.0006	0.1280	-0.0002	-0.0006	0.0002

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0001	0.0182	1.475	22.70	0.0001	-0.0008	12.44	0.0019	-0.0018
Stddev	.0001	.0024	.016	.22	.0000	.0001	.04	.0001	.0002
%RSD	98.41	13.11	1.095	.9803	10.17	9.020	.3290	5.673	12.11
#1	-0.0002	.0155	1.479	22.64	.0001	-0.0009	12.48	.0019	-0.0020
#2	.0000	.0194	1.458	22.51	.0001	-0.0009	12.40	.0019	-0.0016
#3	-0.0002	.0198	1.489	22.94	.0001	-0.0008	12.45	.0021	-0.0017

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0003	0.0049	8.630	-0.0004	0.3183	0.0016	-0.0009	0.0005	0.0060
Stddev	.0012	.0006	.029	.0001	.0014	.0008	.0001	.0002	.0001
%RSD	437.8	11.97	3.306	18.42	4.287	53.87			

Sample Name: MP30261-SD1 Acquired: 4/21/2016 11:45:21 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.003	0.253	-0.051	1.433	-0.025	127.1	-0.011	-0.019	-0.022
Stddev	.0015	.0189	.0011	.0015	.0005	.5	.0001	.0006	.0009
%RSD	532.2	74.66	21.91	1.038	20.28	.3606	10.07	30.83	42.05
#1	-.0020	.0404	-.0039	.1428	-.0019	126.6	-.0010	-.0025	-.0013
#2	.0003	.0041	-.0061	.1421	-.0028	127.5	-.0012	-.0018	-.0021
#3	.0008	.0314	-.0054	.1450	-.0028	127.2	-.0010	-.0014	-.0032
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.017	-0.076	1.431	22.69	-0.025	-0.086	12.61	.0009	.0002
Stddev	.0012	.0071	.076	.18	.0001	.0004	.03	.0006	.0055
%RSD	68.35	10.56	5.310	.7728	3.472	4.155	.2726	68.88	2354.
#1	-.0008	-.0629	1.496	22.62	-.0026	-.0082	12.57	.0002	-.0059
#2	-.0014	-.0642	1.450	22.89	-.0024	-.0086	12.60	.0013	.0046
#3	-.0031	-.0758	1.347	22.56	-.0025	-.0090	12.64	.0011	.0021
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	-0.028	.0021	8.546	-0.023	.3142	-0.019	-0.019	-0.030	.0339
Stddev	.0030	.0047	.027	.0018	.0003	.0016	.0049	.0003	.0004
%RSD	107.2	229.1	.3146	75.84	.1085	86.12	251.4	10.55	1.081
#1	-.0059	.0022	8.527	-.0016	.3142	-.0001	-.0030	-.0033	.0335
#2	.0001	.0067	8.536	-.0043	.3138	-.0024	.0034	-.0029	.0339
#3	-.0026	-.0027	8.577	-.0011	.3145	-.0031	-.0062	-.0027	.0343
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2900.1	5734.3	44537.	3416.3					
Stddev	2.3	17.8	73.	15.9					
%RSD	.08009	.30975	.16333	.46604					
#1	2902.7	5752.7	44578.	3432.7					
#2	2898.9	5732.9	44453.	3400.9					
#3	2898.5	5717.3	44581.	3415.3					

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Sample Name: MP30261-PS1 Acquired: 4/21/2016 11:49:48 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0502	2.740	1.084	4.234	.0535	135.0	.0531	.0526	.0541
Stddev	.0004	.010	.0007	.0003	.0002	.1	.0001	.0001	.0002
%RSD	.8286	.3567	.6024	.0745	.4606	.0710	.2432	.1120	.4548
#1	.0503	2.744	1.090	4.231	.0537	135.1	.0530	.0526	.0540
#2	.0506	2.746	1.077	4.233	.0533	134.9	.0531	.0526	.0539
#3	.0498	2.728	1.084	4.237	.0537	135.1	.0533	.0525	.0543
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1103	3.205	12.05	28.19	.0553	1.048	23.16	.1075	.0503
Stddev	.0006	.008	.04	.06	.0003	.0002	.03	.0004	.0012
%RSD	.5560	.2368	.3314	.2171	.4878	.2160	.1164	.3402	2.309
#1	.1108	3.196	12.01	28.24	.0555	1.046	23.14	.1076	.0501
#2	.1096	3.207	12.07	28.21	.0550	1.050	23.16	.1071	.0493
#3	.1104	3.211	12.08	28.12	.0554	1.048	23.19	.1078	.0516
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	.1117	.1098	8.787	.0514	.3757	.1090	.1012	.0523	.2831
Stddev	.0010	.0010	.013	.0005	.0011	.0005	.0019	.0004	.0008
%RSD	.9191	.8706	.1465	.9068	.2868	.4390	1.905	.7697	.2700
#1	.1129	.1099	8.778	.0513	.3750	.1094	.1034	.0527	.2825
#2	.1112	.1088	8.781	.0510	.3770	.1085	.1002	.0519	.2827
#3	.1110	.1107	8.802	.0519	.3752	.1092	.0999	.0523	.2839
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2634.8	5475.4	42324.	3325.4					
Stddev	2.8	3.9	92.	15.9					
%RSD	.10784	.07076	.21638	.47773					
#1	2635.5	5477.9	42243.	3312.5					
#2	2637.1	5477.5	42423.	3343.1					
#3	2631.6	5471.0	42306.	3320.5					

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7.2
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Sample Name: MP30261-S1 Acquired: 4/21/2016 11:54:05 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0493	27.88	2.031	2.253	.0531	158.0	.0510	.5051	.2071
Stddev	.0003	.04	.003	.004	.0002	.5	.0000	.0004	.0003
%RSD	.6232	.1299	.1562	.1651	.3626	.3428	.0727	.0789	.1597
#1	.0494	27.91	2.034	2.255	.0533	158.5	.0510	.5047	.2068
#2	.0490	27.84	2.031	2.249	.0530	158.0	.0510	.5052	.2075
#3	.0496	27.90	2.027	2.256	.0530	157.5	.0510	.5055	.2070
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2654	26.97	27.78	48.95	.5314	4957	38.87	.5131	4994
Stddev	.0010	.08	.02	.23	.0009	.0008	.04	.0004	.0009
%RSD	.3667	.2863	.0831	.4786	.1778	.1676	.1074	.0765	.1748
#1	.2665	26.99	27.77	49.20	.5308	4952	38.91	.5133	.5003
#2	.2650	27.03	27.81	48.91	.5325	4966	38.89	.5126	.4985
#3	.2646	26.88	27.77	48.74	.5310	4952	38.83	.5133	.4995
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5129	2.050	8.886	.5064	.8293	.5097	2.001	.4961	.5162
Stddev	.0009	.006	.009	.0009	.0008	.0008	.004	.0015	.0007
%RSD	.1848	.3195	.1075	.1779	.0999	.1639	.2188	.3036	.1299
#1	.5118	2.055	8.885	.5054	.8295	.5093	2.001	.4961	.5165
#2	.5134	2.051	8.896	.5067	.8301	.5090	1.996	.4977	.5167
#3	.5135	2.043	8.877	.5072	.8284	.5106	2.005	.4947	.5155
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2546.2	5435.5	41782.	3252.4					
Stddev	1.8	5.9	112.	15.9					
%RSD	.06926	.10828	.26905	.48841					
#1	2544.2	5442.0	41679.	3240.6					
#2	2547.4	5430.4	41765.	3246.1					
#3	2546.9	5434.2	41902.	3270.4					

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Sample Name: MP30261-S2 Acquired: 4/21/2016 11:58:16 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0504	28.32	2.041	2.283	.0535	160.5	.0513	.5084	.2090
Stddev	.0007	.014	.001	.011	.0001	1.2	.0001	.0010	.0006
%RSD	1.4669	.4893	.0318	.4823	.2803	.7783	.1721	.1982	.2636
#1	.0508	28.16	2.040	2.270	.0536	159.1	.0512	.5072	.2096
#2	.0495	28.42	2.041	2.290	.0533	161.5	.0513	.5092	.2091
#3	.0508	28.38	2.040	2.289	.0536	161.0	.0514	.5087	.2085
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2693	27.18	28.18	49.89	.5340	4999	39.15	.5148	5043
Stddev	.0002	.22	.14	.39	.0003	.0009	.20	.0011	

Sample Name: FA33248-2 Acquired: 4/21/2016 12:02:27 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	3.722	.0013	.1730	-0.004	105.3	-0.002	.0015	.0046
Stddev	.0004	.037	.0009	.0003	.0001	.3	.0000	.0001	.0004
%RSD	80.29	.9826	69.73	.1601	28.43	.3293	8.569	8.466	8.973
#1	-.0009	3.679	.0008	.1727	-.0003	104.9	-.0002	.0014	.0041
#2	-.0002	3.741	.0023	.1733	-.0005	105.5	-.0002	.0016	.0049
#3	-.0002	3.745	.0007	.1729	-.0003	105.5	-.0002	.0016	.0046
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0028	3.338	6.405	21.99	.1436	.0006	24.87	.0052	.0007
Stddev	.0001	.023	.044	.10	.0004	.0001	.05	.0001	.0008
%RSD	3.077	.6834	.6880	.4737	.2805	21.89	.2136	2.686	101.9
#1	.0029	3.314	6.367	21.87	.1431	.0006	24.86	.0050	-.0001
#2	.0028	3.340	6.395	22.01	.1439	.0008	24.93	.0052	.0013
#3	.0029	3.360	6.453	22.08	.1437	.0005	24.83	.0053	.0010
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0005	.0110	13.46	-0.001	.2151	.1622	-0.004	.0088	.0173
Stddev	.0011	.0017	.06	.0006	.0006	.0036	.0003	.0003	.0002
%RSD	215.9	15.54	.4159	.795.7	.2933	2.241	71.10	2.898	.9671
#1	.0015	.0126	13.52	-.0004	.2152	.1649	-.0007	.0086	.0175
#2	.0007	.0092	13.45	.0006	.2145	.1636	-.0002	.0089	.0172
#3	-.0007	.0113	13.41	-.0004	.2157	.1580	-.0003	.0091	.0173
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2668.9	5525.3	42711.	3301.0					
Stddev	8.1	10.9	106.	15.5					
%RSD	.30256	.19759	.24861	.46995					
#1	2663.0	5518.3	42804.	3314.0					
#2	2678.1	5537.9	42735.	3305.2					
#3	2665.7	5519.7	42595.	3283.9					

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Sample Name: FA33248-4 Acquired: 4/21/2016 12:06:51 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	.3101	-0.005	.1648	-0.006	106.7	-0.002	-0.002	.0001
Stddev	.0006	.0106	.0010	.0011	.0000	.4	.0001	.0001	.0002
%RSD	424.9	3.404	220.9	.6752	6.552	.3758	26.88	32.81	272.1
#1	.0006	.3130	-.0007	.1652	-.0005	106.8	-.0003	-.0002	-.0001
#2	-.0006	.3188	-.0013	.1657	-.0006	107.0	-.0002	-.0001	.0001
#3	-.0004	.2984	.0007	.1636	-.0006	106.3	-.0002	-.0002	.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0006	.3208	4.765	16.43	.0859	.0005	49.65	.0028	-.0017
Stddev	.0001	.0009	.013	.05	.0005	.0001	.22	.0001	.0005
%RSD	11.04	.2807	.2813	.2917	.5858	12.64	.4471	3.867	26.56
#1	.0006	.3216	4.750	16.42	.0857	.0005	49.70	.0028	-.0020
#2	.0006	.3198	4.769	16.48	.0865	.0006	49.84	.0028	-.0020
#3	.0007	.3209	4.776	16.39	.0855	.0006	49.40	.0026	-.0012
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.004	.0059	8.807	-0.003	.4081	.0126	-0.010	.0003	.0043
Stddev	.0012	.0019	.007	.0002	.0017	.0015	.0010	.0002	.0000
%RSD	324.4	32.76	.0779	89.42	.0088	11.65	105.0	67.24	.3471
#1	-.0017	.0050	8.808	-.0003	.4088	.0143	-.0004	.0001	.0043
#2	.0005	.0081	8.813	-.0005	.4094	.0121	-.0021	.0005	.0043
#3	.0001	.0046	8.800	.0000	.4062	.0115	-.0003	.0003	.0043
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2644.4	5442.6	42405.	3315.3					
Stddev	4.1	9.0	162.	5.9					
%RSD	.15590	.16545	.38097	.17882					
#1	2645.9	5452.2	42296.	3315.0					
#2	2647.6	5434.4	42328.	3309.5					
#3	2639.7	5441.2	42591.	3321.4					

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7.2
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Sample Name: FA33248-5 Acquired: 4/21/2016 12:11:14 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	.4377	-0.008	.1630	-0.005	105.0	-0.002	.0001	.0005
Stddev	.0003	.0087	.0008	.0002	.0001	.5	.0001	.0000	.0003
%RSD	394.4	1.996	111.1	.1183	14.91	.5154	26.08	36.22	57.12
#1	.0002	.4277	-.0013	.1631	-.0004	104.8	-.0002	.0001	.0008
#2	-.0003	.4438	-.0012	.1628	-.0006	105.6	-.0002	.0001	.0002
#3	-.0001	.4417	.0002	.1630	-.0006	104.6	-.0003	.0001	.0005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0003	.4287	4.730	16.20	.1078	.0005	49.11	.0033	-.0009
Stddev	.0005	.0050	.050	.14	.0005	.0001	.12	.0001	.0002
%RSD	169.0	1.177	1.065	.8549	.4316	19.23	.2537	2.847	26.38
#1	-.0002	.4235	4.780	16.13	.1078	.0005	48.96	.0032	-.0010
#2	.0003	.4290	4.732	16.36	.1074	.0004	49.18	.0032	-.0011
#3	.0007	.4336	4.679	16.12	.1083	.0005	49.18	.0034	-.0006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.001	.0056	8.871	-0.004	.4001	.0187	-0.020	.0005	.0052
Stddev	.0006	.0018	.003	.0001	.0011	.0025	.0011	.0001	.0001
%RSD	986.0	31.55	.0376	27.60	.2677	13.12	56.86	14.98	1.438
#1	-.0007	.0036	8.869	-.0003	.3992	.0190	-.0009	.0005	.0052
#2	.0001	.0069	8.868	-.0004	.3998	.0161	-.0032	.0004	.0053
#3	.0004	.0062	8.874	-.0005	.4012	.0210	-.0019	.0005	.0052
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2662.9	5492.8	42443.	3329.4					
Stddev	2.3	9.5	74.	35.3					
%RSD	.08765	.17336	.17469	1.0588					
#1	2665.6	5503.8	42412.	3344.8					
#2	2662.1	5486.4	42528.	3289.0					
#3	2661.1	5488.4	42390.	3354.3					

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Sample Name: FA33248-6 Acquired: 4/21/2016 12:15:39 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	.8200	-0.008	.2070	-0.004	132.5	-0.003	-0.002	.0021
Stddev	.0003	.0120	.0013	.0007	.0000	.3	.0000	.0001	.0006
%RSD	256.0	1.468	168.1	.3192	9.334	22.14	9.554	37.27	30.68
#1	-.0001	.8140	-.0007	.2070	-.0004	132.4	-.0002	-.0001	.0028
#2	.0002	.8122	-.0005	.2064	-.0005	132.4	-.0003	-.0002	.0019
#3	-.0005	.8339	-.0022	.2077	-.0004	132.9	-.0003	-.0003	.0015
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.004	.8420	2.757	27.07	.0216	.0002	8.060	.0023	-.0013
Stddev	.0001	.0048	.029	.09	.0002	.0000	.020	.0006	.0000
%RSD	35.47	.5748	1.057	.329					

Sample Name: CCV Acquired: 4/21/2016 12:20:03 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2575	41.00	2.063	2.050	2.041	41.25	2.082	2.081	2.063
Stddev	.0003	.08	.001	.007	.005	.09	.001	.003	.004
%RSD	.1098	.1930	.0609	.3528	.2502	.2114	.0301	.1277	.1793
#1	.2576	41.08	2.064	2.054	2.040	41.34	2.081	2.078	2.067
#2	.2572	41.01	2.062	2.055	2.047	41.23	2.082	2.083	2.059
#3	.2577	40.92	2.063	2.042	2.037	41.17	2.082	2.082	2.064

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.063	40.11	41.13	40.88	2.078	2.066	40.86	2.080	2.051
Stddev	.003	.03	.03	.18	.003	.004	.15	.001	.003
%RSD	.1433	.0761	.0754	.4412	.1553	.0192	.3676	.0432	.1212
#1	2.060	40.15	41.13	41.00	2.077	2.061	40.96	2.079	2.049
#2	2.064	40.11	41.16	40.67	2.076	2.068	40.94	2.081	2.051
#3	2.066	40.09	41.10	40.97	2.082	2.067	40.69	2.079	2.054

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.073	2.075	1.482	2.092	2.033	2.059	2.075	2.044	2.078
Stddev	.004	.005	.003	.003	.004	.003	.007	.005	.004
%RSD	.1766	.2431	.1688	.1529	.2204	.1566	.3506	.2589	.2087
#1	2.069	2.069	1.480	2.089	2.031	2.058	2.066	2.049	2.082
#2	2.074	2.078	1.483	2.093	2.038	2.056	2.080	2.038	2.077
#3	2.076	2.078	1.485	2.095	2.030	2.062	2.078	2.045	2.073

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/21/2016 12:20:03 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2528.8	5388.6	4180.3	3257.8
Stddev	5.9	4.9	86.	12.1
%RSD	.23247	.09155	.20692	.37109
#1	2534.7	5394.2	41765.	3252.1
#2	2528.8	5385.1	41902.	3271.7
#3	2522.9	5386.3	41743.	3249.6

7.2
7

Sample Name: CCB Acquired: 4/21/2016 12:24:13 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	-0.0012	0.0000	-0.0002	-0.0002	0.0035	-0.0001	-0.0003	0.0000
Stddev	.0003	.0103	.000	.0002	.0000	.0060	.0001	.0001	.000
%RSD	178.7	877.4	884.9	69.09	21.84	174.5	108.2	50.94	74.41
#1	.0000	-.0116	.0000	-.0002	-.0002	.0058	.0000	-.0001	.0000
#2	.0000	-.0011	-.0004	-.0004	-.0002	.0080	-.0001	-.0003	-.0001
#3	-.0005	.0091	.0003	-.0001	-.0002	-.0034	-.0001	-.0004	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	0.0006	-0.0087	0.0213	-0.0003	-0.0002	0.0446	-0.0001	-0.0003
Stddev	.0002	.0005	.0406	.0214	.0000	.0002	.0029	.0001	.0003
%RSD	82.24	78.34	465.2	100.8	7.053	127.7	3.048	96.19	117.7
#1	.0000	.0001	-.0039	-.0013	-.0003	.0001	.0979	.0000	-.0004
#2	-.0004	.0010	-.0516	.0238	-.0003	-.0003	.0932	-.0003	-.0005
#3	-.0004	.0006	.0293	.0413	-.0003	-.0004	.0927	-.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0007	0.0011	0.0016	0.0000	-0.0002	-0.0001	-0.0002	-0.0006	0.0000
Stddev	.0004	.0004	.0001	.000	.0001	.0001	.0001	.0003	.000
%RSD	64.37	33.83	5.014	1216.	71.49	85.57	59.93	46.28	467.2
#1	.0007	.0007	.0016	.0000	-.0002	.0000	-.0003	-.0003	.0001
#2	.0002	.0015	.0017	.0001	-.0002	.0000	-.0003	-.0008	-.0001
#3	.0011	.0011	.0015	-.0002	.0000	-.0002	-.0001	-.0009	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/21/2016 12:24:13 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3040.9	5824.3	4540.0	3431.2
Stddev	4.6	6.8	323.	15.2
%RSD	.15198	.11644	.71170	.44173
#1	3042.1	5824.4	45654.	3447.4
#2	3035.8	5831.0	45037.	3417.4
#3	3044.8	5817.5	45510.	3428.6

Sample Name: FA33248-7 Acquired: 4/21/2016 12:28:43 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	0.089	-0.006	0.349	-0.005	35.82	-0.002	-0.003	0.008
Stddev	.0006	.0030	.0002	.0004	.0000	.36	.0000	.0001	.0002
%RSD	120.0	33.44	26.59	1.129	10.13	1.003	12.15	24.37	28.66
#1	.0000	.0093	-.0004	.0352	-.0005	36.22	-.0003	-.0003	.0006
#2	-.0011	.0057	-.0006	.0345	-.0005	35.72	-.0002	-.0004	.0010
#3	-.0003	.0116	-.0008	.0351	-.0005	35.52	-.0002	-.0003	.0006
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.003	-0.096	9.145	8.625	0.089	-0.006	10.10	0.009	-0.007
Stddev	.0001	.0044	.0232	.101	.0001	.0002	.05	.0002	.0001
%RSD	40.55	45.93	2.537	1.166	.5996	30.91	.4662	16.82	14.14
#1	-.0002	-.0056	.8897	8.741	.0090	-.0004	10.13	.0008	-.0009
#2	-.0004	-.0088	.9182	8.560	.0089	-.0006	10.13	.0009	-.0007
#3	-.0004	-.0143	.9357	8.575	.0090	-.0007	10.05	.0011	-.0007
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.003	0.008	3.184	0.002	5.816	-0.003	-0.017	0.031	0.114
Stddev	.0012	.0007	.001	.0001	.0027	.0000	.0007	.0002	.0001
%RSD	354.1	87.35	0.424	38.06	.4635	11.06	39.27	7.279	.6601
#1	-.0007	.0001	3.185	.0002	.5834	-.0003	-.0010	.0028	.0115
#2	.0016	.0007	3.185	.0002	.5829	-.0003	-.0023	.0031	.0114
#3	.0002	.0015	3.183	.0001	.5785	-.0003	-.0019	.0032	.0114
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2853.9	5677.0	44071.	3334.6					
Stddev	2.5	6.9	78.	27.9					
%RSD	.08681	.12084	.17667	.83654					
#1	2856.4	5681.8	43984.	3302.5					
#2	2853.7	5669.1	44134.	3347.9					
#3	2851.5	5680.0	44095.	3353.3					

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Sample Name: FA33248-8 Acquired: 4/21/2016 12:33:10 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.002	.1952	-0.013	2.536	-0.005	143.9	-0.003	-0.006	0.002
Stddev	.0003	.0071	.0001	.0006	.0001	.1	.0001	.0001	.0002
%RSD	162.1	3.650	7.782	.2184	13.73	.0809	17.81	25.97	109.9
#1	.0001	.1875	-.0012	.2537	-.0004	143.9	-.0003	-.0006	.0000
#2	.0005	.2015	-.0014	.2530	-.0006	143.8	-.0003	-.0006	.0002
#3	-.0001	.1968	-.0012	.2541	-.0005	144.0	-.0003	-.0004	.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.002	.1475	4.828	2.76	0.089	0.045	38.89	0.009	-0.011
Stddev	.0002	.0037	.044	.11	.0001	.0002	.06	.0001	.0005
%RSD	107.6	2.521	.9057	.5018	.9081	3.319	.1549	11.47	45.87
#1	.0002	.1433	4.869	22.88	.0090	.0044	38.89	.0010	-.0014
#2	.0004	.1498	4.782	22.74	.0088	.0047	38.94	.0009	-.0014
#3	.0000	.1496	4.833	22.65	.0090	.0046	38.82	.0008	-.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.013	0.106	8.982	-0.004	3.468	0.067	-0.019	0.003	0.033
Stddev	.0016	.0018	.015	.0001	.0006	.0012	.0004	.0004	.0000
%RSD	120.8	16.75	.1639	20.37	.1786	17.17	22.12	122.5	.6225
#1	.0027	.0119	8.980	-.0004	.3460	.0080	-.0014	.0007	.0033
#2	.0015	.0112	8.968	-.0003	.3471	.0058	-.0022	.0003	.0032
#3	-.0004	.0086	8.998	-.0004	.3471	.0063	-.0019	-.0001	.0033
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2628.6	5398.5	41668.	3272.1					
Stddev	5.5	4.3	25.	21.8					
%RSD	.20791	.07956	.06082	.66509					
#1	2632.3	5399.5	41641.	3247.3					
#2	2631.2	5402.1	41672.	3281.2					
#3	2622.3	5393.7	41691.	3287.9					

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7.2
7

Sample Name: FA33230-37 Acquired: 4/21/2016 12:37:33 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.000	0.093	-0.009	0.216	-0.006	37.39	-0.003	-0.005	-0.001
Stddev	.0002	.0063	.0007	.0005	.0001	.19	.0000	.0001	.0001
%RSD	402.1	67.33	75.69	2.181	9.692	.5109	12.15	16.14	107.9
#1	.0001	.0027	-.0017	.0211	-.0006	37.17	-.0002	-.0006	-.0002
#2	.0002	.0100	-.0006	.0216	-.0006	37.53	-.0003	-.0005	-.0002
#3	-.0002	.0152	-.0004	.0220	-.0005	37.47	-.0003	-.0004	.0000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.000	-0.166	1.068	8.984	0.003	-0.013	10.73	0.013	-0.008
Stddev	.000	.0012	.089	.038	.0000	.0002	.05	.0001	.0004
%RSD	494.8	7.344	8.371	.4224	13.34	13.56	.4952	10.99	49.75
#1	-.0001	-.0158	1.160	8.951	.0003	-.0015	10.69	.0012	-.0004
#2	.0001	-.0180	1.061	8.976	.0003	-.0012	10.79	.0015	-.0007
#3	.0000	-.0159	.9818	9.025	.0003	-.0012	10.71	.0012	-.0012
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.003	-0.001	3.416	-0.004	5.867	-0.008	-0.016	0.018	0.099
Stddev	.0005	.0007	.008	.0003	.0021	.0001	.0006	.0002	.0001
%RSD	196.1	758.8	.2390	87.03	.3579	7.458	35.97	9.736	.5093
#1	-.0003	.0007	3.425	-.0007	.5850	-.0009	-.0022	.0018	.0099
#2	.0008	-.0005	3.409	-.0004	.5890	-.0008	-.0017	.0017	.0099
#3	.0002	-.0005	3.414	.0000	.5860	-.0008	-.0010	.0020	.0100
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2819.5	5625.3	43933.	3366.3					
Stddev	10.5	15.5	29.	16.4					
%RSD	.37342	.27573	.06557	.48598					
#1	2829.2	5633.8	43966.	3383.6					
#2	2808.3	5607.4	43915.	3351.0					
#3	2821.1	5634.7	43918.	3364.4					

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Sample Name: FA33227-8 Acquired: 4/21/2016 12:42:01 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	-0.045	0.005	0.103	-0.005	35.59	-0.003	0.012	-0.006
Stddev	.0005	.0118	.0007	.0005	.0001	.18	.0000	.0001	.0002
%RSD	206.4	26.44	141.5	5.023	16.36	.4931	16.01	8.008	39.65
#1	-.0008	-.0007	-.0001	.0106	-.0006	35.73	-.0002	.0012	-.0006
#2	-.0001	.0050	.0013	.0107	-.0005	35.40	-.0003	.0012	-.0003
#3	.0002	-.0177	.0003	.0097	-.0004	35.65	-.0003	.0011	

Sample Name: FA33228-1 Acquired: 4/21/2016 12:46:26 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.0452	-0.0017	.0062	-0.0005	21.96	.0001	-0.0003	.0017
Stddev	.0001	.0116	.0007	.0004	.0001	.09	.0000	.0001	.0002
%RSD	365.0	25.61	38.19	5.686	19.13	4.227	43.04	16.09	14.22
#1	.0001	.0475	-0.0023	.0058	-0.0006	21.99	.0001	-0.0004	.0017
#2	-0.0001	.0554	-0.0020	.0063	-0.0004	22.04	.0001	-0.0003	.0020
#3	.0001	.0326	-0.0010	.0065	-0.0004	21.86	.0001	-0.0004	.0015
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0845	.3693	1.517	3.213	.0092	.0738	F 161.8	.0031	.0011
Stddev	.0005	.0042	.022	.029	.0000	.0002	.2	.0000	.0009
%RSD	.6048	1.129	1.440	.9064	.3871	.2056	.1285	1.380	81.78
#1	.0839	.3662	1.511	3.185	.0092	.0738	161.7	.0031	.0021
#2	.0849	.3741	1.541	3.243	.0093	.0737	162.0	.0031	.0009
#3	.0847	.3678	1.498	3.211	.0092	.0740	161.7	.0032	.0003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0006	.0014	2.410	.0009	.4596	-0.001	-0.0016	-0.0003	.0472
Stddev	.0007	.0011	.003	.0003	.0011	.0000	.0007	.0001	.0002
%RSD	114.5	82.09	.1042	37.63	.2388	3.564	42.16	47.13	.4610
#1	-0.0001	.0022	2.413	.0012	.4601	-0.0001	-0.0022	-0.0002	.0469
#2	.0007	.0019	2.409	.0007	.4604	-0.0001	-0.0009	-0.0002	.0474
#3	.0012	.0001	2.409	.0007	.4584	-0.0001	-0.0018	-0.0004	.0472
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2635.1	5449.2	41762.	3324.0					
Stddev	6.5	2.9	137.	20.7					
%RSD	.24480	.05250	.32704	.62208					
#1	2635.1	5446.0	41880.	3337.6					
#2	2641.6	5451.5	41612.	3300.2					
#3	2628.7	5450.2	41792.	3334.2					

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7.2
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Sample Name: FA33228-2 Acquired: 4/21/2016 12:50:58 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.1411	-0.0018	.0008	-0.0005	4.402	.0000	-0.0004	.0026
Stddev	.0008	.0048	.0007	.0004	.0000	.0010	.0001	.0001	.0003
%RSD	534.9	3.376	36.96	50.16	3.229	2354	865.7	17.31	12.26
#1	.0003	.1384	-0.0014	.0004	-0.0004	4.392	.0001	-0.0003	.0029
#2	.0008	.1382	-0.0014	.0011	-0.0004	4.413	.0000	-0.0004	.0023
#3	-0.0007	.1466	-0.0025	.0010	-0.0005	4.402	.0000	-0.0004	.0025
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0266	.5480	.6459	.0685	.0014	1.737	F 314.5	.0072	.0004
Stddev	.0002	.0028	.0305	.0093	.0001	.0002	2.5	.0001	.0007
%RSD	.7837	.5139	4.717	13.59	4.032	.1432	.7923	1.241	167.6
#1	.0267	.5476	.6122	.0630	.0015	1.740	311.7	.0073	-0.001
#2	.0267	.5510	.6714	.0793	.0015	1.735	316.3	.0071	.0001
#3	.0263	.5454	.6541	.0633	.0014	1.736	315.6	.0073	.0013
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0010	.0015	.4564	.0044	.0057	.0005	-0.0031	-0.0002	.0342
Stddev	.0008	.0017	.0013	.0002	.0001	.0002	.0009	.0003	.0002
%RSD	82.63	111.6	.2771	4.645	1.446	36.01	29.62	150.1	.5126
#1	.0016	.0034	.4578	.0046	.0057	.0007	-0.0020	.0001	.0341
#2	.0001	.0007	.4561	.0042	.0056	.0005	-0.0038	-0.0005	.0342
#3	.0014	.0004	.4554	.0044	.0057	.0003	-0.0034	-0.0002	.0344
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2506.8	5279.7	40328.	3259.5					
Stddev	5.7	7.8	256.	9.6					
%RSD	.22691	.14842	.63544	.29316					
#1	2507.4	5275.9	40534.	3251.1					
#2	2512.2	5288.7	40041.	3257.5					
#3	2500.9	5274.4	40408.	3269.9					

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Sample Name: FA33228-3 Acquired: 4/21/2016 12:55:33 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0012	.1674	.0001	.0049	-0.0005	5.128	.0000	-0.0001	.0043
Stddev	.0007	.0057	.0008	.0002	.0000	.017	.0000	.0001	.0003
%RSD	56.53	3.418	593.5	4.897	5.871	3.214	51.88	98.92	6.294
#1	.0008	.1739	.0005	.0047	-0.0004	5.147	.0000	.0000	.0042
#2	.0020	.1634	.0008	.0052	-0.0004	5.116	.0000	-0.0001	.0046
#3	.0008	.1648	-0.0008	.0048	-0.0005	5.121	.0001	-0.0002	.0041
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0642	.6424	1.474	1.278	.0123	.0680	F 193.9	.0107	.0001
Stddev	.0011	.0077	.021	.016	.0001	.0001	2.0	.0003	.0005
%RSD	1.739	1.194	1.403	1.255	1.069	.1993	1.031	2.527	355.7
#1	.0655	.6462	1.494	1.260	.0124	.0679	194.2	.0104	-0.004
#2	.0633	.6336	1.475	1.283	.0123	.0679	195.7	.0110	.0007
#3	.0638	.6475	1.452	1.291	.0122	.0681	191.7	.0108	.0002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0003	-0.0003	2.757	.0028	.1021	.0040	-0.0030	-0.0002	.0227
Stddev	.0003	.0008	.011	.0004	.0004	.0005	.0006	.0001	.0002
%RSD	84.14	285.9	.3800	13.95	.3773	13.59	19.20	59.97	.8978
#1	.0002	-0.0011	2.767	.0024	.1025	.0038	-0.0036	-0.0002	.0226
#2	.0001	.0002	2.758	.0026	.1018	.0047	-0.0024	-0.0001	.0229
#3	.0006	.0002	2.746	.0032	.1019	.0037	-0.0030	-0.0004	.0226
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2508.7	5226.5	39453.	3157.0					
Stddev	6.6	11.0	305.	15.8					
%RSD	.26406	.21069	.77326	.50138					
#1	2501.2	5213.9	39108.	3167.4					
#2	2510.8	5231.3	39568.	3138.8					
#3	2514.0	5234.3	39685.	3164.8					

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Sample Name: FA33228-4 Acquired: 4/21/2016 13:00:05 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0049	.3604	-0.0007	.0059	-0.0005	6.499	.0006	-0.0000	.0046
Stddev	.0007	.0038	.0008	.0004	.0001	.037	.0000	.0000	.0001
%RSD	13.96	1.060	122.7	7.582	16.59	5.743	2.752	107.6	2.985
#1	.0042	.3621	-0.0004	.0061	-0.0004	6.510	.0006	-0.0001	.0046
#2	.0056	.3631	-0.0016	.0062	-0.0005	6.457	.0006	-0.0002	.0044
#3	.0048	.3560	.0000	.0054	-0.0005	6.529	.0006	.0002	.0047
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0988	1.501	1.996	1.514	.0081	2.457	F 367.8	.0099	.0012
Stddev	.0008	.006	.063	.015	.0001	.0008	1.5	.0002	.0007
%RSD	.7597	.3812	3.169	.9789	1.569	.3207	.4140	2.325	57.79
#1	.0984	1.495	1.930	1.500	.0081	2.458	367.9	.0098	.0006
#2	.0983	1.506	2.005	1.511	.0079	2.464	369.3	.0098	.0011
#3	.0997	1.502	2.055	1.530	.0082	2.448	366.3	.0102	.0019
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)</			

Sample Name: FA33228-1F Acquired: 4/21/2016 13:04:37 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	0.0386	-0.0013	0.0013	-0.0006	15.52	-0.0002	-0.0004	0.0007
Stddev	0.002	0.0085	0.0012	0.0006	0.0001	.14	0.0000	0.0001	0.0000
%RSD	71.24	22.14	95.20	47.87	12.38	8.982	12.43	20.67	4.609
#1	-0.001	0.0421	0.0000	0.0007	-0.0005	15.42	-0.0002	-0.0005	0.0007
#2	-0.003	0.0289	-0.0024	0.0011	-0.0007	15.68	-0.0002	-0.0003	0.0006
#3	-0.005	0.0448	-0.0014	0.0019	-0.0006	15.46	-0.0002	-0.0003	0.0007
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0722	1.230	1.487	2.643	0.0059	0.0719	F 155.7	0.0021	-0.0004
Stddev	0.007	0.070	0.065	0.012	0.0000	0.0001	1.0	0.0001	0.0001
%RSD	1.001	5.678	4.334	4.706	.7358	.2071	.6216	4.655	19.93
#1	0.0714	1.227	1.443	2.629	0.0059	0.0719	155.5	0.0020	-0.0004
#2	0.0722	1.162	1.561	2.651	0.0058	0.0718	156.8	0.0022	-0.0003
#3	0.0729	1.301	1.457	2.649	0.0059	0.0721	154.9	0.0020	-0.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0000	-0.0005	2.242	0.0005	0.2950	-0.0008	-0.0029	-0.0004	0.0120
Stddev	0.001	0.003	0.008	0.0001	0.0014	0.0000	0.0003	0.0003	0.0000
%RSD	482.7	50.22	.3709	23.42	.4597	5.552	8.764	68.56	.3069
#1	-0.0008	-0.0008	2.232	0.0004	.2945	-0.0007	-0.0026	-0.0004	0.0120
#2	0.0005	-0.0002	2.244	0.0006	.2966	-0.0007	-0.0031	-0.0001	0.0121
#3	0.0002	-0.0006	2.248	0.0005	.2940	-0.0008	-0.0029	-0.0007	0.0120
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2638.9	5471.6	4214.8	3303.9					
Stddev	4.3	1.5	86.	3.4					
%RSD	.16339	.02664	.20413	.10343					
#1	2635.5	5473.1	4215.9	3306.0					
#2	2643.7	5471.5	4222.8	3300.0					
#3	2637.4	5470.2	4205.7	3305.8					

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Sample Name: FA33228-2F Acquired: 4/21/2016 13:09:04 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.1211	-0.0017	0.0007	-0.0005	0.4131	-0.0001	-0.0003	0.0023
Stddev	0.002	0.0030	0.0010	0.0003	0.0001	0.0046	0.0000	0.0001	0.0001
%RSD	190.3	2.456	58.82	40.32	20.32	1.113	17.01	47.35	4.694
#1	-0.004	0.1244	-0.0024	0.0006	-0.0004	0.4139	0.0000	-0.0002	0.0023
#2	0.0000	0.1187	-0.0021	0.0004	-0.0005	0.4172	-0.0001	-0.0002	0.0023
#3	0.0000	0.1201	-0.0005	0.0010	-0.0005	0.4081	-0.0001	-0.0004	0.0021
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0243	4.634	7.199	0.0642	0.0012	1.664	F 299.6	0.0026	0.0001
Stddev	0.003	0.017	0.144	0.0215	0.0000	0.0004	1.8	0.0000	0.0001
%RSD	1.276	.3706	2.002	33.53	1.284	.2339	.6128	.7711	88.27
#1	0.0245	4.637	7.058	0.0425	0.0012	1.663	301.0	0.0063	0.0001
#2	0.0239	4.648	7.192	0.0644	0.0011	1.661	300.3	0.0062	0.0001
#3	0.0243	4.615	7.346	0.0856	0.0012	1.669	297.5	0.0062	0.0002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0013	0.0005	4.296	0.0041	0.0050	-0.0001	-0.0026	-0.0003	0.0250
Stddev	0.0005	0.0011	0.0007	0.0000	0.0002	0.0001	0.0018	0.0001	0.0001
%RSD	42.21	231.0	.1672	1.165	3.182	63.23	69.93	43.93	.2051
#1	0.0019	0.0015	4.296	0.0042	0.0049	-0.0002	-0.0008	-0.0004	0.0250
#2	0.0008	-0.0007	4.289	0.0041	0.0052	-0.0001	-0.0044	-0.0001	0.0250
#3	0.0013	0.0006	4.304	0.0041	0.0051	-0.0001	-0.0025	-0.0002	0.0251
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2547.6	5350.3	4115.3	3365.6					
Stddev	4.0	3.5	231.	20.0					
%RSD	.15560	.06556	.56118	.59375					
#1	2547.0	5346.7	4088.7	3361.4					
#2	2544.0	5353.7	4129.9	3348.1					
#3	2551.8	5350.6	4127.3	3387.4					

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7.2
7

Sample Name: CCV Acquired: 4/21/2016 13:13:39 Type: QC
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.523	40.44	2.018	2.009	2.016	40.58	2.036	2.035	2.037
Stddev	0.002	.11	.003	.005	.007	.05	.003	.004	.003
%RSD	.0909	.2832	.1385	.2414	.3641	.1317	.1296	.1769	.1358
#1	.2526	40.34	2.021	2.004	2.013	40.58	2.035	2.034	2.035
#2	.2523	40.56	2.015	2.013	2.025	40.64	2.033	2.032	2.036
#3	.2521	40.42	2.017	2.009	2.011	40.53	2.038	2.039	2.040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.025	39.49	40.52	40.31	2.055	2.020	40.30	2.035	2.012
Stddev	.003	.12	.08	.01	.002	.005	.11	.002	.005
%RSD	.1242	.3060	.1988	.0372	.0746	.2707	.2767	.0968	.2459
#1	2.027	39.49	40.45	40.32	2.054	2.017	40.17	2.036	2.013
#2	2.023	39.61	40.61	40.30	2.057	2.016	40.37	2.033	2.007
#3	2.022	39.37	40.51	40.32	2.056	2.026	40.36	2.036	2.017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.025	2.030	1.449	2.048	2.004	2.032	2.028	2.016	2.035
Stddev	.004	.005	.001	.007	.005	.002	.004	.003	.002
%RSD	.2202	.2378	.0927	.3325	.2405	.0921	.1892	.1318	.0901
#1	2.030	2.025	1.447	2.045	1.998	2.032	2.032	2.013	2.035
#2	2.021	2.031	1.448	2.043	2.007	2.034	2.024	2.018	2.033
#3	2.026	2.034	1.450	2.056	2.005	2.031	2.028	2.017	2.037
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 4/21/2016 13:13:39 Type: QC
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2570.5	5482.0	4225.6	3270.1					
Stddev	6.0	6.6	84.	16.6					
%RSD	.23488	.11951	.19833	.50719					
#1	2571.1	5483.6	4229.9	3266.2					
#2	2576.2	5487.6	4230.9	3288.3					
#3	2564.2	5474.8	4215.9	3255.8					

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Sample Name: CCB Acquired: 4/21/2016 13:17:50 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	-0.021	0.003	-0.002	-0.002	0.028	0.000	-0.001	-0.001
Stddev	0.004	0.130	0.008	0.002	0.001	0.050	0.000	0.000	0.001
%RSD	99.93	616.9	284.3	122.7	67.10	177.1	295.9	10.66	118.5
#1	-0.002	0.015	0.009	-0.004	0.000	0.066	0.001	-0.001	-0.001
#2	-0.001	-0.165	-0.007	-0.000	-0.002	-0.028	-0.001	-0.001	0.000
#3	-0.008	0.087	0.006	-0.002	-0.002	0.045	-0.001	-0.002	0.000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.000	0.024	-0.740	0.199	-0.003	-0.001	1.069	-0.002	-0.002
Stddev	0.000	0.050	0.836	0.344	0.000	0.003	0.037	0.001	0.004
%RSD	4527.	209.0	113.0	173.3	12.87	325.8	3.432	44.56	173.0
#1	-0.001	0.082	-1.692	0.558	-0.002	0.002	1.093	-0.002	-0.003
#2	0.000	0.000	-0.407	0.167	-0.003	0.000	1.087	-0.002	0.002
#3	0.001	-0.009	-0.121	-0.129	-0.003	-0.005	1.027	-0.004	-0.006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	0.004	0.013	-0.001	-0.002	0.001	-0.002	-0.005	0.001
Stddev	0.004	0.007	0.001	0.002	0.001	0.001	0.013	0.001	0.001
%RSD	112.3	159.9	6.393	325.0	77.35	63.16	666.0	19.71	70.67
#1	0.001	0.006	0.013	0.002	0.000	0.002	-0.014	-0.004	0.001
#2	-0.007	0.010	0.012	-0.001	-0.003	0.001	-0.005	-0.004	0.001
#3	-0.006	-0.003	0.014	-0.002	-0.002	0.001	0.012	-0.005	0.000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/21/2016 13:17:50 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3041.5	5882.0	4526.1	3346.7
Stddev	1.3	5.0	164.	10.8
%RSD	0.4218	0.8473	3.6223	3.2336
#1	3042.1	5877.9	45149.	3358.6
#2	3040.0	5887.6	45449.	3337.4
#3	3042.4	5880.6	45185.	3344.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.000	0.024	-0.740	0.199	-0.003	-0.001	1.069	-0.002	-0.002
Stddev	0.000	0.050	0.836	0.344	0.000	0.003	0.037	0.001	0.004
%RSD	4527.	209.0	113.0	173.3	12.87	325.8	3.432	44.56	173.0
#1	-0.001	0.082	-1.692	0.558	-0.002	0.002	1.093	-0.002	-0.003
#2	0.000	0.000	-0.407	0.167	-0.003	0.000	1.087	-0.002	0.002
#3	0.001	-0.009	-0.121	-0.129	-0.003	-0.005	1.027	-0.004	-0.006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	0.004	0.013	-0.001	-0.002	0.001	-0.002	-0.005	0.001
Stddev	0.004	0.007	0.001	0.002	0.001	0.001	0.013	0.001	0.001
%RSD	112.3	159.9	6.393	325.0	77.35	63.16	666.0	19.71	70.67
#1	0.001	0.006	0.013	0.002	0.000	0.002	-0.014	-0.004	0.001
#2	-0.007	0.010	0.012	-0.001	-0.003	0.001	-0.005	-0.004	0.001
#3	-0.006	-0.003	0.014	-0.002	-0.002	0.001	0.012	-0.005	0.000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: FA33228-3F Acquired: 4/21/2016 13:22:20 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.527	-0.001	0.029	-0.004	4.681	-0.002	-0.001	0.031
Stddev	0.001	0.059	0.010	0.006	0.001	0.10	0.000	0.000	0.003
%RSD	65.60	11.28	106.2	19.64	30.74	2.047	15.10	52.67	10.29
#1	0.004	0.487	0.008	0.028	-0.004	4.682	-0.002	-0.001	0.034
#2	0.002	0.596	-0.012	0.035	-0.003	4.690	-0.002	-0.000	0.028
#3	0.001	0.499	0.001	0.024	-0.006	4.671	-0.002	-0.001	0.030

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.298	4.245	1.180	1.066	0.101	0.654	F 189.6	0.098	0.002
Stddev	0.002	0.073	0.21	0.35	0.002	0.003	1.1	0.002	0.007
%RSD	8278.	1.724	1.780	3.249	1.577	3.940	5.835	1.790	337.9
#1	0.300	4.184	1.182	1.102	0.099	0.652	188.5	0.099	0.000
#2	0.299	4.226	1.158	1.064	0.102	0.657	190.7	0.096	-0.004
#3	0.295	4.326	1.200	1.033	0.100	0.655	189.5	0.099	0.009

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.007	-0.005	2.469	0.022	0.018	-0.002	-0.032	-0.002	0.089
Stddev	0.007	0.029	0.07	0.001	0.005	0.001	0.016	0.002	0.001
%RSD	97.08	603.1	2.905	5.301	5.026	28.47	50.60	96.90	6.699
#1	0.007	-0.032	2.462	0.023	0.016	-0.002	-0.019	-0.003	0.090
#2	0.000	-0.008	2.470	0.022	0.015	-0.003	-0.028	0.000	0.088
#3	0.013	0.026	2.476	0.021	0.024	-0.002	-0.051	-0.004	0.089

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2560.4	5360.5	4089.9	3205.6
Stddev	2.4	8.2	146.	6.4
%RSD	0.9189	1.5362	3.5699	1.9853
#1	2558.2	5369.1	40967.	3198.4
#2	2562.9	5360.0	40731.	3208.0
#3	2560.1	5352.6	40998.	3210.4

Sample Name: FA33228-4F Acquired: 4/21/2016 13:26:55 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	2.048	-0.005	0.022	-0.005	5.651	0.000	-0.001	0.030
Stddev	0.001	0.143	0.003	0.004	0.001	0.17	0.000	0.001	0.000
%RSD	15.05	7.002	49.61	18.09	14.81	3.040	364.7	121.9	2.202
#1	0.005	2.160	-0.008	0.022	-0.006	5.657	0.000	-0.002	0.030
#2	0.005	1.886	-0.005	0.025	-0.005	5.632	0.000	-0.002	0.030
#3	0.007	2.097	-0.003	0.017	-0.004	5.664	0.000	0.000	0.030

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.411	1.065	1.689	1.251	0.059	2.348	F 353.0	0.085	-0.006
Stddev	0.002	0.06	0.42	0.12	0.000	0.004	3.4	0.002	0.010
%RSD	5.445	5.645	2.469	9.377	5.664	1.576	9.677	2.158	184.4
#1	0.409	1.060	1.641	1.247	0.059	2.352	356.8	0.084	0.003
#2	0.409	1.064	1.716	1.264	0.059	2.345	352.1	0.087	-0.017
#3	0.413	1.072	1.709	1.242	0.059	2.347	350.1	0.084	-0.003

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.006	-0.008	3.082	0.053	0.1045	0.006	-0.039	0.008	0.142
Stddev	0.006	0.024	0.03	0.004	0.005	0.000	0.012	0.001	0.000
%RSD	101.9	287.7	1.117	6.799	4.403	6.320	30.46	9.708	2.764
#1	0.013	-0.006	3.083	0.057	0.1047	0.006	-0.034	0	

Sample Name: FA33527-1 Acquired: 4/21/2016 13:31:29 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	2.375	-0.004	0.885	-0.004	65.74	-0.003	0.015	0.043
Stddev	.0005	.007	.0003	.0007	.0001	.24	.0000	.0001	.0001
%RSD	491.2	2.766	63.49	8.360	12.83	3.598	1.602	8.611	2.669
#1	-.0006	2.381	-.0007	.0886	-.0005	65.98	-.0003	.0016	.0042
#2	.0003	2.367	-.0002	.0892	-.0004	65.73	-.0003	.0014	.0044
#3	.0000	2.376	-.0004	.0877	-.0004	65.51	-.0003	.0016	.0042
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.022	2.771	6.808	19.29	0.960	-0.005	12.07	0.042	0.009
Stddev	.0001	.005	.057	.05	.0002	.0001	.01	.0002	.0009
%RSD	5.548	1.663	8.353	2.839	2.484	26.86	0.901	5.172	95.64
#1	.0021	2.770	6.865	19.35	0.959	-0.004	12.08	0.041	0.007
#2	.0022	2.776	6.807	19.26	0.963	-0.007	12.07	0.044	0.018
#3	.0023	2.767	6.751	19.26	0.959	-0.006	12.06	0.040	0.002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(In2306)
Avg	-0.003	-0.004	4.081	0.002	0.982	0.382	-0.014	0.026	0.183
Stddev	.0002	.0009	.004	.0002	.0020	.0002	.0008	.0001	.0000
%RSD	65.36	237.1	1.023	96.77	2.906	4.552	55.20	2.810	262.3
#1	-.0001	.0000	4.079	.0003	.6969	0.380	-.0022	.0025	.0183
#2	-.0005	.0003	4.079	.0003	.7005	0.384	-.0009	.0026	.0183
#3	-.0002	-.0015	4.086	.0000	.6970	0.381	-.0010	.0026	.0184
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2764.6	5588.5	43302.	3311.3					
Stddev	3.7	3.1	231.	23.6					
%RSD	.13537	.05509	.53257	.71235					
#1	2761.8	5588.5	43516.	3284.1					
#2	2768.8	5591.5	43058.	3324.1					
#3	2763.1	5585.3	43334.	3325.7					

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Sample Name: MP30261-MB2A Acquired: 4/21/2016 13:35:53 Type: QC
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.002	-0.105	-0.008	-0.006	-0.005	0.016	-0.002	-0.005	-0.004
Stddev	.0003	.0041	.0010	.0002	.0001	.0052	.0000	.0001	.0001
%RSD	124.0	38.99	129.9	39.79	12.63	325.3	16.11	18.47	27.32
#1	.0001	-.0074	-.0011	-.0008	-.0005	-.0028	-.0002	-.0004	-.0004
#2	.0001	-.0151	-.0016	-.0005	-.0004	-.0002	-.0003	-.0005	-.0003
#3	.0006	-.0090	.0003	-.0004	-.0005	.0074	-.0002	-.0006	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	-0.171	0.857	0.084	-0.005	-0.018	1.861	-0.006	-0.007
Stddev	.0000	.0012	.0329	.0227	.0000	.0001	.0167	.0001	.0008
%RSD	17.01	7.054	38.43	271.1	7.126	4.190	8.957	18.80	107.4
#1	-.0003	-.0163	1.227	.0222	-.0005	-.0017	.1960	-.0005	-.0015
#2	-.0002	-.0165	.0595	.0207	-.0006	-.0019	.1669	-.0006	.0000
#3	-.0003	-.0185	.0749	-.0178	-.0005	-.0018	.1954	-.0007	-.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.003	0.101	-0.006	-0.004	-0.017	-0.012	-0.008	0.0091
Stddev	.0006	.0014	.0002	.0002	.0000	.0001	.0002	.0003	.0000
%RSD	532.2	517.2	2.215	29.00	10.42	3.649	15.46	30.64	1.779
#1	.0005	.0009	.0100	-.0006	-.0005	-.0016	-.0012	-.0008	.0091
#2	-.0006	-.0013	.0103	-.0005	-.0005	-.0018	-.0014	-.0011	.0092
#3	-.0003	.0012	.0099	-.0008	-.0004	-.0017	-.0010	-.0006	.0091
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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7.2
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Sample Name: MP30261-MB2A Acquired: 4/21/2016 13:35:53 Type: QC
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3017.0	5839.6	46029.	3391.3
Stddev	4.2	4.2	145.	22.7
%RSD	.14077	.07125	.31510	.67030
#1	3015.0	5844.3	45889.	3373.0
#2	3014.2	5837.9	46019.	3384.2
#3	3021.9	5836.5	46179.	3416.8

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Sample Name: CRIA Acquired: 4/21/2016 13:40:24 Type: QC
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.092	0.2037	0.092	2.089	0.047	1.074	0.052	0.538	0.102
Stddev	.0004	.0056	.0011	.0010	.0001	.007	.0000	.0001	.0002
%RSD	4.439	2.750	11.62	49.47	2.187	6.372	5.760	1.347	1.929
#1	.0088	.2100	.0088	.2100	.0047	1.078	.0052	.0538	.0101
#2	.0091	.2015	.0103	.2089	.0048	1.078	.0052	.0539	.0102
#3	.0096	.1995	.0083	.2079	.0046	1.066	.0052	.0538	.0105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.273	0.3013	10.36	5.279	0.159	0.484	10.38	0.430	0.052
Stddev	.0002	.0037	.05	.062	.0000	.0002	.04	.0001	.0009
%RSD	.7823	1.230	4629	1.180	.2113	.3647	.3384	.3053	17.05
#1	.0274	.3043	10.41	5.313	.0159	.0484	10.42	.0429	.0058
#2	.0275	.3024	10.33	5.317	.0158	.0482	10.37	.0431	.0042
#3	.0271	.2971	10.33	5.207	.0159	.0485	10.35	.0429	.0055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.041	0.098	0.120	0.536	0.098	0.088	0.094	0.490	0.227
Stddev	.0004	.0019	.0002	.0005	.0001	.0001	.0010	.0003	.0001
%RSD	9.896	19.85	1.258	1.019	.5889	1.242	10.24	.5567	.5770
#1	.0037	.0076	.0121	.0534	.0099	.0088	.0093	.0492	.0226
#2	.0042	.0111	.0119	.0532	.0098	.0087	.0104	.0491	.0229
#3	.0045	.0107	.0118	.0543	.0098	.0089	.0085	.0487	.0226
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CRIA Acquired: 4/21/2016 13:40:24 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2928.2	5827.5	44869.	3412.4
Stddev	6.1	.6	114.	28.5
%RSD	.20841	.01033	.25375	.83618

#1	2930.9	5828.1	44981.	3403.5
#2	2921.3	5827.4	44873.	3389.3
#3	2932.6	5826.9	44754.	3444.3

Sample Name: FA33214-3 Acquired: 4/21/2016 13:44:48 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 250.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.129	-1.369	-0.156	-1.372	-1.228	825.4	-0.653	-0.0899	-1.392
Stddev	.0853	1.531	.1638	.0442	.0183	2.0	.0085	.0207	.0444
%RSD	660.3	111.9	1047.	32.23	14.89	.2406	13.07	23.00	31.90

#1	-0.077	.3855	.0010	-.0912	-.1439	824.6	-.0655	-.0752	-.0910
#2	-1.007	-2.057	-.1872	-1.411	-1.133	823.9	-.0738	-.0809	-.1785
#3	.0697	-2.435	.1392	-1.794	-1.112	827.7	-.0567	-1.135	-1.480

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.184	-3.922	29.64	144.2	-1.169	-2.596	10960.	-1.142	-1.302
Stddev	.0456	.650	18.38	7.2	.0070	.0289	60.	.0756	.2511
%RSD	248.2	16.57	62.02	4.973	5.968	11.14	.5438	66.21	192.9

#1	-.0706	-3.230	46.20	136.5	-.1118	-.2612	10910.	-.0780	-.2465
#2	.0131	-4.520	32.87	150.7	-.1141	-.2299	10930.	-.0635	-.3021
#3	.0024	-4.014	9.857	145.3	-.1249	-.2877	11030.	-.2011	-.1580

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0704	-1.1534	4.218	-0.0993	11.87	-3.718	.0241	-1.631	1.935
Stddev	.1870	.2759	.030	.0477	.06	.0050	.1647	.0353	.027
%RSD	265.8	179.9	.7189	48.03	4.788	1.348	683.1	21.61	1.400

#1	.2093	.0507	4.183	-.1377	11.87	-.3664	.2002	-.1853	1.904
#2	.1440	-.0435	4.240	-.1144	11.82	-.3729	-.0018	-.1225	1.953
#3	-.1423	-.4672	4.231	-.0459	11.93	-.3762	-.1261	-.1816	1.947

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2841.4	5726.8	43862.	3358.8
Stddev	9.2	10.7	113.	12.0
%RSD	.32378	.18638	.25723	.35674

#1	2841.1	5727.3	43873.	3368.6
#2	2850.8	5737.3	43745.	3362.2
#3	2832.4	5715.9	43970.	3345.4

7.2
7

Sample Name: MP30262-MB1 Acquired: 4/21/2016 13:49:17 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	-0.0159	-0.0032	-0.0010	-0.0005	0.040	-0.0004	-0.0005	0.0000
Stddev	.0004	.0065	.0003	.0002	.0001	.0038	.0000	.0001	.000
%RSD	243.5	40.70	8.549	24.79	14.13	94.08	4.738	17.31	2232.

#1	.0000	-.0195	-.0031	-.0011	-.0005	.0026	-.0003	-.0006	.0002
#2	-.0007	-.0199	-.0036	-.0007	-.0004	.0083	-.0003	-.0004	-.0003
#3	.0001	-.0084	-.0031	-.0011	-.0005	.0011	-.0004	-.0005	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	-0.0092	.0724	.0191	-0.0004	-0.0017	.1461	-0.0005	-0.0002
Stddev	.0001	.0024	.0536	.0153	.0000	.0001	.0123	.0001	.0002
%RSD	53.97	25.58	74.06	79.93	1.535	4.907	8.425	22.30	94.24

#1	-.0004	-.0066	.1331	.0343	-.0004	-.0018	.1513	-.0005	-.0004
#2	-.0002	-.0111	.0524	.0195	-.0004	-.0017	.1321	-.0003	-.0002
#3	-.0001	-.0099	.0316	.0037	-.0004	-.0016	.1550	-.0005	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0014	.0140	.0214	-0.0006	-0.0014	-0.0031	-0.0009	.0004
Stddev	.0001	.0008	.0002	.0004	.0001	.0001	.0013	.0002	.0001
%RSD	14.55	56.15	1.624	2.035	22.23	7.769	43.07	21.61	16.35

#1	.0004	.0007	.0140	.0211	-.0007	-.0013	-.0016	-.0007	.0003
#2	.0005	.0013	.0137	.0213	-.0005	-.0015	-.0039	-.0012	.0004
#3	.0006	.0023	.0142	.0219	-.0005	-.0015	-.0039	-.0009	.0004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30262-MB1 Acquired: 4/21/2016 13:49:17 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2970.5	5719.8	45180.	3331.8
Stddev	3.1	2.9	46.	41.6
%RSD	.10468	.05039	.10156	1.2486

#1	2972.0	5719.1	45194.	3310.0
#2	2966.9	5717.3	45128.	3305.8
#3	2972.5	5722.9	45217.	3379.8

Sample Name: MP30262-B1 Acquired: 4/21/2016 13:53:48 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0478	27.60	1.998	2.106	.0533	26.43	.0521	.5220	.2121
Stddev	.0006	.03	.004	.005	.0002	.01	.0002	.0008	.0004
%RSD	1.303	.1066	.1749	.2466	.3093	.0419	.3844	.1473	.1954

#1	.0478	27.60	1.998	2.110	.0531	26.42	.0523	.5218	.2125
#2	.0472	27.63	1.994	2.100	.0533	26.44	.0522	.5213	.2120
#3	.0485	27.57	2.001	2.107	.0534	26.42	.0519	.5228	.2117

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2679	27.04	25.44	25.66	.5401	.5107	25.64	.5270	.4967
Stddev	.0014	.04	.05	.04	.0007	.0008	.02	.0008	.0020
%RSD	.5097	.1326	.2135	.1639	.1233	.1561	.0623	.1559	.4065

#1	.2668	27.05	25.45	25.69	.5407	.5107	25.62	.5260	.4950
#2	.2675	27.00	25.49	25.68	.5394	.5099	25.65	.5274	.4989
#3	.2695	27.07	25.38	25.61	.5401	.5115	25.64	.5275	.4961

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5029	2.020	.0226	.5379	.4994	.5135	1.981	.5035	.5227
Stddev	.0017	.04	.0005	.0013	.0015	.0001	.002	.0008	.0006
%RSD	.3466	.1797	2.053	.2459	.2972	.0962	.1624	.1078	

#1	.5024	2.020	.0230	.5364	.4979	.5136	1.980	.5040	.5222
#2	.5015	2.024	.0221	.5390	.4995	.5133	1.980	.5040	.5233
#3	.5049	2.017	.0226	.5384	.5008	.5135	1.983	.5025	.5227

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30262-B1 Acquired: 4/21/2016 13:53:48 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2680.7	5556.1	42926.	3294.1
Stddev	2.8	12.7	31.	11.2
%RSD	.10521	.22778	.07119	.33945

#1	2681.5	5563.8	42946.	3285.7
#2	2683.1	5563.1	42940.	3289.8
#3	2677.6	5541.5	42891.	3306.8

Sample Name: FA33230-10 Acquired: 4/21/2016 13:58:01 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0013	13.83	.0189	.1341	.0008	F 2402.	.0027	.0055	.0977
Stddev	.0006	.07	.0007	.0004	.0001	39.	.0000	.0003	.0005
%RSD	47.56	.5131	3.824	.3191	12.21	1.632	1.629	5.148	.5339

#1	.0019	13.74	.0181	.1345	.0008	2357.	.0028	.0051	.0983
#2	.0015	13.88	.0190	.1341	.0007	2418.	.0027	.0056	.0974
#3	.0007	13.85	.0196	.1337	.0009	2430.	.0027	.0056	.0974

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2095	24.37	.8449	11.01	.2228	.0081	8.369	.0326	.2254
Stddev	.0011	.03	.0140	.02	.0003	.0003	.054	.0002	.0008
%RSD	.5286	.1408	1.657	.2257	.1187	3.214	.6419	.4848	.3403

#1	.2104	24.33	.8310	10.99	.2230	.0083	8.308	.0324	.2245
#2	.2097	24.40	.8590	11.04	.2229	.0082	8.389	.0327	.2259
#3	.2083	24.37	.8447	10.99	.2225	.0078	8.410	.0326	.2258

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0026	.0184	1.038	.0151	F 8.893	.2856	.0053	.0804	.3271
Stddev	.0014	.0028	.005	.0004	.060	.0005	.0017	.0007	.0009
%RSD	54.74	15.01	.5183	2.543	.6752	.1589	31.43	.8336	.2880

#1	-.0041	.0161	1.038	.0149	8.884	.2859	.0071	.0809	.3269
#2	-.0012	.0215	1.033	.0156	8.957	.2858	.0038	.0805	.3263
#3	-.0025	.0177	1.044	.0149	8.838	.2850	.0051	.0796	.3282

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2020.0	5143.7	39789.	3411.4
Stddev	1.6	15.0	42.	17.5
%RSD	.07915	.29153	.10576	.51199

#1	2021.5	5150.3	39834.	3430.8
#2	2020.1	5154.4	39751.	3406.3
#3	2018.3	5126.6	39780.	3397.0

Sample Name: MP30262-D1 Acquired: 4/21/2016 14:02:37 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0039	26.97	.0250	.1944	.0023	F 2309.	.0025	.0098	.1197
Stddev	.0004	.08	.0007	.0013	.0001	16.	.0001	.0002	.0002
%RSD	11.02	.3061	2.971	.6463	4.972	.7120	2.004	1.755	.1375

#1	.0044	26.98	.0255	.1935	.0021	2326.	.0025	.0098	.1196
#2	.0037	26.88	.0253	.1937	.0023	2307.	.0025	.0096	.1197
#3	.0036	27.04	.0241	.1958	.0024	2293.	.0024	.0099	.1199

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3212	41.31	1.242	13.07	.3736	.0098	9.185	.0396	.3328
Stddev	.0014	.22	.025	.01	.0010	.0003	.076	.0003	.0004
%RSD	.4403	.5279	2.039	.0641	.2557	2.630	.8328	.7119	.1170

#1	.3219	41.26	1.215	13.07	.3738	.0098	9.121	.0398	.3332
#2	.3196	41.12	1.265	13.06	.3726	.0100	9.164	.0393	.3324
#3	.3222	41.55	1.246	13.08	.3745	.0095	9.269	.0398	.3328

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0025	.0181	1.278	.0148	F 8.492	.9277	.0055	.0988	.6831
Stddev	.0012	.0013	.003	.0002	.112	.0016	.0024	.0001	.0009
%RSD	48.23	7.066	.2305	1.328	1.314	.1715	43.79	.0791	.1253

#1	-.0035	.0186	1.276	.0146	8.476	.9291	.0075	.0987	.6833
#2	-.0028	.0167	1.276	.0148	8.389	.9260	.0028	.0988	.6822
#3	-.0012	.0191	1.281	.0150	8.611	.9282	.0060	.0989	.6838

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2012.1	5282.0	40943.	3491.9
Stddev	2.1	14.1	211.	22.1
%RSD	.10674	.26778	.51484	.63214

#1	2012.4	5279.4	40706.	3473.8
#2	2014.1	5297.2	41110.	3516.5
#3	2009.9	5269.3	41014.	3485.3

Sample Name: CCV Acquired: 4/21/2016 14:07:13 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2519	40.16	1.998	2.011	1.996	40.97	2.015	2.015	2.005
Stddev	.0007	.05	.003	.007	.003	.07	.003	.002	.005
%RSD	.2943	.1165	.1254	.3749	.1275	.1673	.1561	.0775	.2434

#1	.2515	40.13	1.995	2.009	1.993	41.00	2.015	2.014	2.009
#2	.2514	40.13	2.000	2.005	1.995	41.02	2.018	2.017	1.999
#3	.2527	40.21	1.999	2.020	1.998	40.89	2.012	2.014	2.006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.017	39.10	40.70	40.07	2.019	1.996	40.27	2.015	1.992
Stddev	.007	.05	.02	.20	.004	.003	.03	.002	.009
%RSD	.3743	.1202	.0610	.5014	.2247	.1685	.0836	.1182	.4356

#1	2.020	39.07	40.68	39.92	2.021	1.996	40.24	2.014	1.993
#2	2.008	39.08	40.72	40.30	2.013	1.999	40.27	2.018	2.000
#3	2.022	39.16	40.72	39.99	2.021	1.992	40.31	2.013	1.983

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.009	2.017	1.438	2.030	1.988	2.003	2.016	1.990	2.009
Stddev	.005	.004	.002	.002	.005	.004	.010	.003	.004
%RSD	.2339	.1899	.1057	.0794	.2700	.1866	.4958	.1492	.1824

#1	2.004	2.013	1.436	2.031	1.989	2.005	2.026	1.994	2.008
#2	2.013	2.020	1.438	2.031	1.982	1.999	2.014	1.989	2.013
#3	2.010	2.019	1.439	2.028	1.993	2.006	2.006	1.988	2.006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/21/2016 14:07:13 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2603.3	5563.5	43114.	3309.2
Stddev	5.2	6.9	96.	11.3
%RSD	.19858	.12317	.22339	.34047

#1	2601.9	5571.2	43003.	3320.7
#2	2599.1	5558.4	43176.	3298.1
#3	2609.1	5560.7	43164.	3308.7

Sample Name: CCB Acquired: 4/21/2016 14:11:24 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.0059	-0.0001	-0.0003	-0.0002	.0637	-0.0001	-0.0002	-0.0002
Stddev	.0009	.0053	.0006	.0002	.0001	.0075	.0000	.0001	.0002
%RSD	3011.	89.69	396.0	45.83	53.68	11.85	38.48	44.48	65.29

#1	-.0006	-.0075	-.0006	-.0002	-.0001	.0720	-.0001	-.0001	-.0004
#2	-.0004	-.0102	.0005	-.0004	-.0002	.0619	-.0001	-.0002	-.0002
#3	.0010	.0000	-.0004	-.0005	-.0004	.0572	-.0001	-.0002	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	-0.0013	.1000	.0115	-0.0003	-0.0002	.1221	-0.0001	-0.0004
Stddev	.0002	.0018	.0631	.0183	.0000	.0002	.0041	.0001	.0004
%RSD	64.12	135.1	63.09	159.1	7.611	98.19	3.398	135.8	107.3

#1	-.0002	.0007	.0401	-.0056	-.0003	.0000	.1263	.0000	-.0009
#2	-.0002	-.0021	.0940	.0093	-.0003	-.0003	.1220	-.0002	-.0003
#3	-.0006	-.0027	.1659	.0308	-.0004	-.0004	.1180	-.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0014	.0013	-0.0005	-0.0001	-0.0007	-0.0007	-0.0004	.0001
Stddev	.0005	.0020	.0001	.0003	.0000	.0001	.0006	.0002	.0000
%RSD	251.6	151.4	9.835	63.85	74.37	15.44	79.04	40.83	19.05

#1	-.0003	-.0009	.0014	-.0002	.0000	-.0006	-.0001	-.0005	.0001
#2	.0007	.0032	.0012	-.0008	.0000	-.0008	-.0011	-.0002	.0001
#3	.0002	.0017	.0012	-.0004	-.0001	-.0008	-.0010	-.0004	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/21/2016 14:11:24 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3001.0	5769.8	44971.	3313.8
Stddev	3.8	9.1	329.	31.0
%RSD	.12736	.15783	.73116	.93633

#1	3003.1	5762.8	45169.	3314.8
#2	2996.6	5766.4	45152.	3344.3
#3	3003.4	5780.1	44591.	3282.2

Sample Name: MP30262-SD1 Acquired: 4/21/2016 14:15:55 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	15.56	.0146	.1467	-0.0009	F 3079.	.0023	.0056	.1123
Stddev	.0042	.22	.0023	.0014	.0005	58.	.0002	.0002	.0004
%RSD	2578.	1.422	15.57	.9844	58.73	1.887	8.650	3.370	.3455
#1	.0046	15.80	.0157	.1483	-.0010	3145.	.0025	.0057	.1124
#2	-.0037	15.37	.0161	.1464	-.0014	3038.	.0021	.0054	.1126
#3	-.0004	15.49	.0120	.1454	-.0003	3053.	.0023	.0056	.1118
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.2311	28.37	8.016	13.24	.2581	.0046	9.446	.0382	.2268
Stddev	.0006	.15	.1120	.09	.0020	.0008	.072	.0004	.0041
%RSD	.2674	.5416	13.97	.6499	.7631	16.66	.7597	1.176	1.792
#1	.2314	28.55	.9283	13.14	.2599	.0048	9.528	.0386	.2312
#2	.2316	28.30	.7159	13.29	.2583	.0053	9.418	.0382	.2232
#3	.2304	28.27	.7605	13.29	.2560	.0038	9.393	.0377	.2260
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	-.0140	0.0369	1.132	0.0173	10.12	.3364	.0023	.0880	.4222
Stddev	.0054	.0058	.003	.0007	.05	.0009	.0073	.0016	.0018
%RSD	38.62	15.72	.2466	3.825	.5018	.2709	318.1	1.778	4.368
#1	-.0159	.0359	1.133	.0174	10.17	.3374	.0104	.0871	.4234
#2	-.0182	.0317	1.133	.0166	10.10	.3360	.0003	.0872	.4231
#3	-.0079	.0432	1.128	.0179	10.07	.3357	-.0038	.0898	.4200
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2406.4	5260.4	4051.0	3235.1					
Stddev	10.4	14.0	157.	31.4					
%RSD	.43363	.26627	.38830	.97110					
#1	2396.3	5250.1	40344.	3202.7					
#2	2405.8	5254.8	40657.	3265.5					
#3	2417.1	5276.4	40528.	3237.3					

Sample Name: MP30262-PS1 Acquired: 4/21/2016 14:20:26 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0534	16.18	.1263	.3884	.0471	F 2384.	.0485	.0507	.1433
Stddev	.0005	.04	.0005	.0005	.0003	11.	.0002	.0001	.0007
%RSD	.8484	.2275	.3591	.1224	.5974	4.506	.4201	.1231	.4824
#1	.0539	16.21	.1258	.3879	.0472	2396.	.0484	.0506	.1431
#2	.0531	16.14	.1265	.3887	.0468	2375.	.0485	.0506	.1427
#3	.0531	16.20	.1266	.3887	.0474	2380.	.0488	.0507	.1440
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.3126	26.87	11.42	15.19	.2674	.1018	18.47	.1208	.2773
Stddev	.0007	.08	.04	.07	.0011	.0004	.02	.0007	.0001
%RSD	.2258	.2878	.3378	.4558	.4034	.3615	.1009	.5474	.0302
#1	.3123	26.87	11.38	15.26	.2669	.1019	18.45	.1202	.2773
#2	.3121	26.80	11.46	15.12	.2668	.1014	18.48	.1208	.2773
#3	.3134	26.95	11.42	15.20	.2687	.1021	18.49	.1215	.2772
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.1051	.1235	1.051	.0584	F 3.748	.3784	.1015	.1259	.5580
Stddev	.0029	.0011	.004	.0007	.118	.0007	.0020	.0002	.0019
%RSD	2.791	.8746	.4081	1.140	1.352	1.736	1.932	1.452	.3473
#1	.1020	.1235	1.046	.0591	8.770	.3776	.1019	.1259	.5569
#2	.1078	.1225	1.053	.0579	8.620	.3786	.1033	.1256	.5569
#3	.1056	.1247	1.054	.0580	8.854	.3788	.0994	.1260	.5602
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1990.4	5059.3	39428.	3384.0					
Stddev	3.3	4.8	51.	11.1					
%RSD	.16497	.09481	.12957	.32931					
#1	1989.4	5063.5	39370.	3383.3					
#2	1987.7	5054.1	39446.	3395.5					
#3	1994.1	5060.3	39467.	3373.2					

Sample Name: MP30262-S1 Acquired: 4/21/2016 14:25:00 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0524	40.88	2.038	2.097	.0471	F 2541.	.0466	.4358	.2793
Stddev	.0003	.16	.004	.012	.0003	26.	.0003	.0007	.0011
%RSD	.5794	.3806	.1834	.5585	.6659	1.018	.6707	1.674	.4044
#1	.0521	40.86	2.035	2.092	.0468	2531.	.0467	.4364	.2798
#2	.0526	41.05	2.037	2.110	.0474	2570.	.0463	.4350	.2780
#3	.0526	40.74	2.042	2.089	.0473	2521.	.0469	.4360	.2800
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.4754	51.71	26.86	31.84	.7145	.4421	34.92	4.679	.7775
Stddev	.0011	.21	.04	.23	.0055	.0014	.16	.0010	.0033
%RSD	.2295	.4039	.1313	.7139	.7754	.3235	.4441	2.132	4.289
#1	.4752	51.73	26.82	31.81	.7193	.4417	34.80	4.691	.7809
#2	.4766	51.91	26.88	32.08	.7084	.4409	35.09	4.676	.7774
#3	.4744	51.49	26.88	31.63	.7157	.4437	34.86	4.671	.7743
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.2547	2.043	1.655	.4362	F 9.487	.7840	1.922	.5305	.8425
Stddev	.0002	.005	.002	.0011	.125	.0030	.003	.0042	.0027
%RSD	.0817	.2532	.1416	.2616	1.314	.3876	.1444	.7824	.3229
#1	.2549	2.043	1.654	.4367	9.470	.7874	1.919	.5353	.8457
#2	.2547	2.038	1.653	.4349	9.620	.7816	1.923	.5279	.8410
#3	.2545	2.049	1.657	.4371	9.372	.7830	1.925	.5284	.8409
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1944.2	5066.1	39575.	3369.5					
Stddev	2.2	10.5	223.	22.9					
%RSD	.11514	.20701	.56467	.68087					
#1	1945.0	5072.4	39328.	3370.8					
#2	1946.0	5071.9	39764.	3346.0					
#3	1941.7	5054.0	39633.	3391.8					

Sample Name: MP30262-S2 Acquired: 4/21/2016 14:29:30 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0517	48.82	1.973	F 4.422	.0477	F 2424.	.0457	.4288	.3159
Stddev	.0011	.24	.006	.023	.0002	3.	.0002	.0006	.0023
%RSD	2.145	.4845	.3293	5.138	.3619	.1337	.3920	.1358	.7367
#1	.0529	48.55	1.973	4.396	.0478	2421.	.0457	.4293	.3132
#2	.0507	48.91	1.966	4.430	.0476	2423.	.0455	.4281	.3172
#3	.0516	49.00	1.979	4.439	.0479	2428.	.0458	.4288	.3173
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.5395	58.93	27.08	32.45	.7786	.4331	35.22	4.696	.7775
Stddev	.0005	.11	.15	.13	.0031	.0012	.22	.0014	.0039
%RSD	.0957	.1906	.5717	.3887	.3962	.2792	.6355	.2898	.5048
#1	.5392	58.81	26.96	32.33	.7751	.4342	34.97	4.702	.7733
#2	.5401	58.95	27.03	32.45	.7797	.4318	35.33	4.680	.7779
#3	.5392	59.03	27.25	32.58	.7810	.4333	35.38	4.705	.7812
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)

Sample Name: FA33230-1 Acquired: 4/21/2016 14:34:01 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	15.78	0.438	0.863	0.019	50.33	0.023	0.0037	1.523
Stddev	0.0005	0.05	0.0005	0.0003	0.0000	0.11	0.0000	0.0000	0.0008
%RSD	202.0	3387	1.078	3237	1.521	2263	1.228	1.094	4981
#1	-0.007	15.75	0.435	0.866	0.019	50.24	0.022	0.0037	1.515
#2	-0.003	15.74	0.436	0.861	0.019	50.46	0.023	0.0037	1.530
#3	0.003	15.84	0.443	0.862	0.019	50.31	0.023	0.0037	1.523
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0384	51.27	6.248	2.830	2.451	-0.006	4.751	0.137	0.539
Stddev	0.0001	0.06	0.172	0.029	0.0005	0.0001	0.138	0.0001	0.0005
%RSD	3667	1203	2.746	1.035	2.118	18.84	2.904	1.001	9083
#1	0.0384	51.20	6.402	2.806	2.446	-0.006	4.878	0.139	0.540
#2	0.0386	51.29	6.280	2.862	2.457	-0.005	4.770	0.137	0.534
#3	0.0384	51.31	6.063	2.822	2.451	-0.007	4.604	0.136	0.544
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.004	0.012	9.558	0.134	4.310	2.984	-0.031	0.633	0.383
Stddev	0.0012	0.0006	0.021	0.0003	0.019	0.011	0.014	0.0001	0.0001
%RSD	277.1	51.74	2.202	2.444	4.320	3.789	44.55	1.711	3655
#1	0.0001	0.012	9.543	0.138	4.299	2.972	-0.043	0.632	0.382
#2	-0.0018	0.017	9.582	0.131	4.299	2.987	-0.016	0.633	0.385
#3	0.0004	0.005	9.549	0.134	4.331	2.994	-0.033	0.634	0.383
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2757.5	6502.2	50467.	3717.2					
Stddev	1.9	3.0	92.	16.8					
%RSD	0.06944	0.04576	1.8273	4.5180					
#1	2758.8	6505.4	50556.	3734.9					
#2	2758.5	6499.6	50474.	3701.5					
#3	2755.3	6501.4	50372.	3715.2					

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7.2
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Sample Name: FA33230-2 Acquired: 4/21/2016 14:38:22 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	11.92	0.336	0.655	0.014	31.68	0.013	0.0027	1.134
Stddev	0.0003	0.04	0.0005	0.0001	0.0000	0.02	0.0000	0.0001	0.0003
%RSD	122.3	3318	1.524	1.236	2.343	0.675	3.110	4.350	2213
#1	0.001	11.94	0.341	0.656	0.014	31.71	0.013	0.0027	1.131
#2	-0.005	11.87	0.332	0.656	0.014	31.68	0.013	0.0029	1.134
#3	-0.003	11.94	0.334	0.655	0.014	31.66	0.014	0.0026	1.136
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0288	39.06	5.662	2.150	1.931	-0.009	3.609	0.096	0.387
Stddev	0.0002	0.12	0.164	0.025	0.0002	0.0001	0.144	0.0002	0.0003
%RSD	6963	3070	2.903	1.143	0.846	7.063	4.003	2.193	6583
#1	0.0289	39.16	5.554	2.159	1.933	-0.008	3.754	0.097	0.387
#2	0.0286	38.93	5.581	2.169	1.931	-0.009	3.465	0.098	0.384
#3	0.0290	39.09	5.581	2.122	1.929	-0.010	3.606	0.094	0.389
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.002	-0.003	8.250	0.138	2.940	2.570	-0.032	0.483	0.294
Stddev	0.0003	0.0015	0.017	0.0003	0.008	0.003	0.014	0.0001	0.0001
%RSD	136.1	518.7	2.104	2.235	2.804	1.133	43.00	2.836	4514
#1	0.0000	-0.0019	8.230	0.141	2.949	2.572	-0.016	0.483	0.293
#2	0.0001	0.011	8.260	0.135	2.933	2.572	-0.039	0.485	0.293
#3	0.0006	0.000	8.260	0.139	2.938	2.567	-0.041	0.482	0.296
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2808.0	6312.7	49209.	3674.6					
Stddev	4.2	5.0	154.	10.1					
%RSD	0.14828	0.07855	3.1355	2.7377					
#1	2803.5	6307.0	49348.	3685.3					
#2	2811.7	6316.3	49043.	3673.3					
#3	2808.8	6314.7	49236.	3665.3					

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Sample Name: FA33230-14 Acquired: 4/21/2016 14:42:43 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.034	20.72	0.091	2.124	0.011	1026.	0.044	0.051	1.186
Stddev	0.0004	0.03	0.0005	0.007	0.0001	8.	0.0000	0.0002	0.0002
%RSD	12.71	1.635	5.916	3.221	5.382	7.568	0.0928	3.169	1.964
#1	0.037	20.72	0.086	2.117	0.012	1020.	0.044	0.049	1.188
#2	0.029	20.68	0.090	2.130	0.011	1035.	0.044	0.052	1.187
#3	0.035	20.75	0.097	2.124	0.011	1023.	0.044	0.052	1.184
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.193	25.72	1.204	7.619	3.586	0.022	2.882	0.212	3.483
Stddev	0.0023	0.02	0.028	0.015	0.012	0.0001	0.007	0.0002	0.0026
%RSD	5.410	0.739	2.357	1.932	3.322	3.002	2.547	8.241	7.381
#1	0.179	25.72	1.235	7.602	3.585	0.021	2.879	0.211	3.470
#2	0.179	25.73	1.179	7.626	3.575	0.021	2.890	0.214	3.513
#3	0.181	25.70	1.198	7.628	3.598	0.022	2.876	0.212	3.467
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.014	0.098	1.174	0.150	2.659	1.255	0.002	0.599	0.595
Stddev	0.0012	0.010	0.01	0.0003	0.04	0.002	0.0008	0.0003	0.0015
%RSD	84.32	9.913	0.487	2.130	1.414	1.669	373.3	5.017	2.493
#1	-0.014	0.101	1.175	0.152	2.663	1.253	0.001	0.597	0.599
#2	-0.002	0.087	1.174	0.151	2.660	1.255	-0.005	0.598	0.608
#3	-0.026	0.106	1.175	0.146	2.655	1.257	0.011	0.603	0.599
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2280.7	5318.9	41453.	3341.5					
Stddev	4.4	3.5	199.	11.7					
%RSD	0.19110	0.06523	4.7974	3.5138					
#1	2285.4	5320.3	41293.	3338.4					
#2	2276.8	5321.5	41676.	3331.7					
#3	2279.9	5315.0	41392.	3354.5					

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Sample Name: FA33227-1 Acquired: 4/21/2016 14:47:13 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	18.40	0.061	1.631	0.008	502.2	0.013	0.036	0.817
Stddev	0.0004	0.04	0.0006	0.013	0.0001	6.1	0.0001	0.0001	0.0001
%RSD	177.6	2.280	10.52	7.912	15.43	1.209	5.443	1.478	1.742
#1	0.000	18.42	0.063	1.623	0.008	496.1	0.014	0.035	0.816
#2	0.000	18.43	0.054	1.646	0.009	508.2	0.012	0.036	0.817
#3	-0.006	18.36	0.067	1.624	0.007	502.3	0.014	0.035	0.819
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)			

Sample Name: FA33227-2 Acquired: 4/21/2016 14:51:43 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0005	17.26	.0036	.2692	.0006	F 706.6	.0021	.0044	.0748
Stddev	.0003	.06	.0010	.0009	.0001	10.5	.0000	.0000	.0001
%RSD	48.98	.3292	28.75	.3274	17.42	1.489	.4676	.5028	.1523
#1	.0008	17.20	.0027	.2684	.0005	698.9	.0021	.0044	.0749
#2	.0004	17.31	.0034	.2689	.0007	702.3	.0021	.0044	.0748
#3	.0004	17.28	.0047	.2701	.0007	718.6	.0021	.0044	.0747
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0366	11.22	1.002	5.884	1.827	-.0004	.9618	.0180	.0582
Stddev	.0003	.05	.017	.065	.004	.0001	.0076	.0001	.0007
%RSD	.9293	.4162	1.729	1.097	.2299	19.03	.7906	.5346	1.167
#1	.0365	11.17	.9845	5.857	1.830	-.0004	.9615	.0179	.0574
#2	.0362	11.26	1.002	5.837	1.830	-.0005	.9544	.0180	.0585
#3	.0369	11.24	1.019	5.958	1.822	-.0003	.9696	.0181	.0586
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(In2306)
Avg	-.0021	.0052	1.200	.0137	.8316	.1922	-.0017	.0537	.0835
Stddev	.0017	.0014	.008	.0001	.0034	.0006	.0009	.0001	.0001
%RSD	80.57	26.71	.6552	.3757	.4125	.2927	55.10	.2367	.1693
#1	-.0036	.0060	1.191	.0137	.8277	.1928	-.0026	.0536	.0833
#2	-.0003	.0060	1.203	.0137	.8339	.1917	-.0016	.0538	.0836
#3	-.0025	.0036	1.206	.0136	.8332	.1922	-.0008	.0536	.0836
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2372.9	5572.6	43237.	3405.1					
Stddev	7.4	22.3	121.	16.9					
%RSD	.31392	.40003	.27976	.49753					
#1	2378.9	5595.1	43216.	3423.5					
#2	2375.3	5572.3	43128.	3390.1					
#3	2364.6	5550.5	43367.	3401.8					

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Sample Name: FA33227-3 Acquired: 4/21/2016 14:56:13 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-.0004	133.5	.0575	1.028	.0056	F 2387.	.0071	.0266
Stddev	.0002	.3	.0007	.004	.0000	32.	.0001	.0001
%RSD	43.89	.2138	1.184	.3552	.1805	1.323	.9167	.3475
#1	-.0003	133.4	.0578	1.031	.0056	2359.	.0071	.0268
#2	-.0003	133.4	.0580	1.024	.0056	2381.	.0070	.0266
#3	-.0006	133.9	.0567	1.028	.0056	2421.	.0071	.0266
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.5667	.0516	76.09	2.936	20.82	1.657	.0008	2.635
Stddev	.0031	.0002	.17	.018	.15	.006	.0001	.007
%RSD	.5500	.4377	.2285	.5988	.7289	.3457	16.14	.2670
#1	.5684	.0514	75.89	2.941	20.68	1.651	.0008	2.642
#2	.5631	.0518	76.15	2.917	20.80	1.662	.0006	2.634
#3	.5685	.0516	76.21	2.951	20.98	1.657	.0009	2.628
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.1056	.1631	F-.0050	.0084	1.169	.0104	F 4.354	.5754
Stddev	.0002	.0018	.0002	.0005	.001	.0002	.030	.0007
%RSD	.2031	1.113	3.016	5.448	.0473	1.976	.6834	.1163
#1	.1055	.1643	-.0049	.0088	1.169	.0104	4.320	.5757
#2	.1054	.1610	-.0050	.0079	1.170	.0101	4.366	.5759
#3	.1058	.1639	-.0052	.0086	1.169	.0105	4.377	.5746
Elem	Tl1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	-.0031	.3484	.1778					
Stddev	.0028	.0016	.0002					
%RSD	90.56	.4547	.1290					
#1	-.0062	.3494	.1775					
#2	-.0007	.3466	.1780					
#3	-.0024	.3493	.1778					

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7.2
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Sample Name: FA33227-3 Acquired: 4/21/2016 14:56:13 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1790.8	8788.2	68222.	5699.3
Stddev	5.9	8.5	135.	35.3
%RSD	.33062	.09690	.19787	.61973
#1	1784.6	8778.4	68138.	5732.6
#2	1791.3	8792.0	68150.	5703.0
#3	1796.4	8794.1	68378.	5662.3

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Sample Name: CCV Acquired: 4/21/2016 15:00:54 Type: QC
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2540	40.73	1.995	2.036	2.002	41.50	2.020	2.027	2.034
Stddev	.0015	.22	.003	.010	.005	.26	.000	.001	.004
%RSD	.5749	.5433	.1436	.4874	.2552	.6345	.0058	.0624	.1803
#1	.2556	40.87	1.997	2.038	2.001	41.57	2.020	2.028	2.038
#2	.2527	40.85	1.992	2.044	2.008	41.73	2.020	2.027	2.031
#3	.2537	40.47	1.997	2.025	1.998	41.21	2.020	2.026	2.033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.045	39.41	43.33	40.40	2.044	2.014	41.64	2.020	1.994
Stddev	.004	.16	.15	.26	.002	.002	.11	.001	.003
%RSD	.1980	.3991	.3511	.6473	.0886	.0976	.2565	.0680	.1606
#1	2.041	39.48	43.37	40.25	2.044	2.015	41.64	2.022	1.991
#2	2.049	39.53	43.45	40.70	2.046	2.011	41.75	2.020	1.993
#3	2.045	39.24	43.16	40.25	2.042	2.014	41.54	2.019	1.997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.012	2.013	1.440	2.042	2.014	2.023	2.025	2.002	2.014
Stddev	.002	.005	.002	.002	.004	.002	.002	.005	.003
%RSD	.0814	.2383	.1529	.0731	.1942	.1104	.0726	.2694	.1527
#1	2.014	2.019	1.443	2.043	2.012	2.023	2.025	2.005	2.011
#2	2.010	2.011	1.439	2.041	2.019	2.026	2.026	1.996	2.015
#3	2.013	2.010	1.440	2.044	2.012	2.021	2.024	2.006	2.017
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 4/21/2016 15:00:54 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2591.7	5529.3	42629.	3149.4
Stddev	4.2	4.2	79.	14.9
%RSD	.16103	.07557	.18463	.47235

#1	2595.6	5533.4	42539.	3144.6
#2	2592.0	5529.4	42685.	3137.5
#3	2587.3	5525.0	42663.	3166.1

Sample Name: CCB Acquired: 4/21/2016 15:05:05 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	3044.8	5865.7	45342.	3233.9
Stddev	10.2	17.9	247.	9.4
%RSD	.33337	.30577	.54482	.29040

#1	3033.4	5845.7	45287.	3242.8
#2	3048.1	5871.1	45126.	3224.1
#3	3052.9	5880.4	45611.	3235.0

Sample Name: CCB Acquired: 4/21/2016 15:05:05 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0000	-0.0023	-0.0003	-0.0004	-0.0003	F.1102	-0.0001	-0.0001	-0.0005
Stddev	.000	.0029	.0010	.0008	.0000	.0160	.0000	.0001	.0001
%RSD	24020.	129.4	357.5	214.7	12.63	14.51	49.10	111.5	13.72

#1	.0002	-0.0056	-0.0014	-0.0003	-0.0003	.1263	-0.0001	.0000	-0.0005
#2	-0.0002	-0.0006	.0006	.0004	-0.0003	.1099	.0000	-0.0001	-0.0005
#3	.0000	-0.0005	-0.0001	-0.0013	-0.0003	.0943	-0.0001	-0.0002	-0.0006

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.1000			
Low Limit						-1.0000			

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-0.0003	-0.0018	-0.0045	.0017	-0.0003	-0.0003	.0594	-0.0003	-0.0003
Stddev	.0001	.0031	.0316	.0172	.0000	.0004	.0074	.0001	.0004
%RSD	44.57	166.6	707.8	1029.	6.712	128.7	12.51	32.51	126.3

#1	-0.0001	.0013	.0253	.0149	-0.0003	-0.0001	.0596	-0.0005	-0.0007
#2	-0.0003	-0.0020	-0.0010	-0.0177	-0.0004	-0.0001	.0519	-0.0003	.0000
#3	-0.0004	-0.0048	-0.0377	.0078	-0.0004	-0.0007	.0667	-0.0003	-0.0002

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0003	.0004	.0013	-0.0003	-0.0001	-0.0009	.0000	-0.0005	-0.0001
Stddev	.0007	.0004	.0002	.0001	.0000	.0000	.0006	.0001	.0001
%RSD	261.9	94.57	17.45	24.34	92.42	5.104	2774.	24.07	69.68

#1	.0008	.0004	.0015	-0.0004	-0.0001	-0.0009	.0003	-0.0004	-0.0001
#2	.0006	.0008	.0011	-0.0003	.0000	-0.0009	-0.0007	-0.0006	-0.0001
#3	-0.0005	.0000	.0013	-0.0003	-0.0001	-0.0010	.0004	-0.0005	.0000

Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

7.2
7

Sample Name: FA33227-4 Acquired: 4/21/2016 15:09:37 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_3710)	Ba4554 (Y_3710)	Be3130 (Y_3600)	Ca3179 (Y_2243)	Cd2265 (Y_3710)	Co2286 (Y_2243)	Cr2677 (In2306)
Avg	.0000	12.81	.0028	.1691	.0003	496.3	.0012	.0032	.0519
Stddev	.001	.03	.0005	.0005	.0001	2.8	.0001	.0001	.0004
%RSD	3164.	.2106	18.24	.3132	19.49	.5574	5.372	3.714	.8103

#1	.0002	12.78	.0024	.1691	.0002	498.9	.0011	.0030	.0522
#2	-0.0006	12.83	.0034	.1685	.0003	496.7	.0013	.0032	.0520
#3	.0003	12.83	.0026	.1696	.0004	493.4	.0012	.0032	.0514

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.0247	19.01	.6328	4.033	.8148	-0.0003	.4365	.0129	.0191
Stddev	.0003	.08	.0094	.031	.0016	.0001	.0052	.0002	.0009
%RSD	1.142	.3996	1.480	.7774	.1924	24.36	1.185	1.468	4.456

#1	.0250	18.93	.6308	4.016	.8166	-0.0002	.4420	.0128	.0181
#2	.0244	19.08	.6246	4.013	.8144	-0.0004	.4357	.0131	.0194
#3	.0247	19.01	.6430	4.069	.8136	-0.0003	.4318	.0128	.0197

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_2243)	Zn2062 (Y_2243)
Avg	-0.0018	.0052	1.285	.0145	.5632	.1516	-0.0018	.0370	.0521
Stddev	.0005	.0008	.002	.0001	.0010	.0003	.0004	.0002	.0002
%RSD	26.63	15.42	.1499	.7773	.1766	.1975	19.98	.5368	.3168

#1	-0.0023	.0043	1.285	.0145	.5627	.1519	-0.0022	.0368	.0522
#2	-0.0015	.0057	1.284	.0146	.5643	.1517	-0.0018	.0372	.0522
#3	-0.0015	.0056	1.287	.0143	.5625	.1513	-0.0014	.0370	.0519

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2446.7	5540.7	43002.	3297.8
Stddev	7.7	13.0	74.	17.1
%RSD	.31276	.23388	.17173	.51713

#1	2444.5	5536.8	42925.	3316.8
#2	2455.2	5555.1	43072.	3283.8
#3	2440.4	5530.0	43011.	3292.9

Sample Name: FA33227-5 Acquired: 4/21/2016 15:14:08 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	42.81	0.576	F 11.32	0.016	341.3	0.036	0.549	3.649
Stddev	0.003	.16	.0013	.03	.0001	2.9	.0001	.0001	.0010
%RSD	64.49	.3797	2.190	.2373	5.143	8.557	.2895	.1585	.2769
#1	-0.004	42.95	.0584	11.30	.0016	340.8	.0347	.0549	.3639
#2	-0.002	42.63	.0583	11.30	.0016	338.7	.0345	.0550	.3659
#3	-0.007	42.84	.0562	11.35	.0015	344.5	.0345	.0548	.3649
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.719	278.8	3.129	12.29	F 4.018	0.474	6.378	9.461	F 13.28
Stddev	.008	.5	.011	.05	.019	.0002	.0156	.0027	.03
%RSD	.2097	.1619	.3555	.4130	.4764	.5209	2.452	.2807	.2184
#1	3.727	279.1	3.132	12.23	4.004	.0476	.6527	9.478	13.26
#2	3.711	278.3	3.138	12.33	4.040	.0475	.6391	9.475	13.31
#3	3.720	279.1	3.117	12.30	4.011	.0471	.6215	9.431	13.26
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.137	-0.020	1.297	1.858	7.489	7.122	0.016	0.872	F 4.394
Stddev	.0015	.0006	.002	.0003	.0036	.0004	.0013	.0003	.018
%RSD	10.71	27.94	.1237	.1729	.4852	.0617	79.47	3.653	.3976
#1	.0140	-.0014	1.298	.1861	.7523	.7123	.0015	.0874	4.396
#2	.0121	-.0025	1.295	.1859	.7451	.7118	.0004	.0869	4.410
#3	.0149	-.0022	1.296	.1854	.7493	.7126	.0029	.0874	4.376
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2546.6	5711.3	4422.9	3351.3					
Stddev	1.3	7.4	143.	32.7					
%RSD	.05125	.12944	.32416	.97560					
#1	2548.1	5703.0	4432.1	3349.7					
#2	2545.8	5713.9	4406.4	3384.7					
#3	2545.8	5717.1	4430.3	3319.4					

Sample Name: FA33227-6 Acquired: 4/21/2016 15:18:52 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	15.04	0.013	1.384	0.005	25.55	0.001	0.001	0.432
Stddev	.0005	.04	.0005	.0003	.0001	.03	.0000	.0001	.0003
%RSD	248.6	.2714	35.71	.2381	18.53	.1094	66.16	.9490	.6336
#1	-0.004	15.06	.0015	1.387	.0005	25.53	.0000	.0002	.0434
#2	.0004	15.07	.0008	1.384	.0004	25.54	.0001	.0000	.0434
#3	-0.006	14.99	.0016	1.380	.0006	25.58	.0001	.0001	.0429
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.006	7.811	6.226	1.208	0.909	-0.015	1.882	0.087	0.184
Stddev	.0001	.005	.0174	.035	.0004	.0001	.0080	.0002	.0009
%RSD	1.453	.0598	2.796	2.897	.4084	7.904	4.246	2.265	5.072
#1	.0097	7.806	6.411	1.179	.0908	-0.016	1.799	.0085	0.174
#2	.0094	7.815	6.200	1.247	.0913	-0.014	1.958	.0088	0.186
#3	.0097	7.810	6.066	1.200	.0906	-0.014	1.888	.0089	0.192
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.005	0.005	1.062	0.134	2.867	1.584	-0.029	0.483	0.097
Stddev	.0008	.0022	.002	.0001	.0004	.0007	.0012	.0005	.0000
%RSD	144.4	453.2	.1416	.6466	.1444	.4184	41.96	1.097	.3195
#1	.0003	-.0011	1.061	.0135	.2870	.1582	-.0019	.0477	.0097
#2	-.0009	-.0030	1.062	.0133	.2868	.1591	-.0025	.0486	.0097
#3	-.0010	-.0004	1.064	.0134	.2862	.1578	-.0042	.0486	.0097
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2843.6	6169.6	4760.9	3415.4					
Stddev	3.6	5.6	132.	21.3					
%RSD	.12606	.09085	.27740	.62401					
#1	2846.4	6176.1	4759.9	3439.8					
#2	2844.9	6166.0	4748.2	3400.0					
#3	2839.6	6166.8	4774.6	3406.5					

7.2
7

Sample Name: FA33227-7 Acquired: 4/21/2016 15:23:16 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	5.696	0.001	0.906	-0.002	18.37	0.001	0.011	0.156
Stddev	.0001	.025	.0003	.0003	.0000	.04	.0000	.0001	.0001
%RSD	147.9	.4444	241.6	.3062	29.28	.1905	18.67	5.571	.9520
#1	-.0001	5.668	.0004	.0909	-.0001	18.41	.0001	.0010	.0154
#2	-.0001	5.705	.0000	.0907	-.0002	18.36	.0001	.0011	.0157
#3	.0001	5.716	-.0001	.0903	-.0002	18.34	.0001	.0011	.0157
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.093	3.135	2.479	6.848	4.924	-0.015	1.280	0.029	0.115
Stddev	.0004	.018	.0254	.0379	.0006	.0001	.0043	.0002	.0008
%RSD	3.884	.5799	10.25	5.542	.1316	4.604	3.328	6.149	7.036
#1	.0092	3.155	.2202	.6562	.4931	-.0016	1.306	.0030	.0114
#2	.0098	3.120	.2701	.7278	.4923	-.0014	1.303	.0027	.0123
#3	.0091	3.129	.2535	.6703	.4918	-.0015	1.231	.0031	.0107
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.006	0.022	1.036	0.135	1.153	1.287	-0.030	0.130	0.073
Stddev	.0006	.0019	.002	.0002	.0005	.0002	.0002	.0004	.0000
%RSD	111.4	83.18	.1590	1.644	.4683	.1316	7.066	2.804	.3673
#1	-.0009	.0040	1.036	.0138	1.159	.1289	-.0031	.0127	.0073
#2	-.0010	.0003	1.035	.0135	1.150	.1285	-.0028	.0129	.0072
#3	.0002	.0024	1.038	.0134	1.149	.1287	-.0032	.0134	.0072
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2911.2	5978.9	4667.2	3354.0					
Stddev	6.7	7.8	213.	24.1					
%RSD	.23058	.13052	.45703	.71772					
#1	2903.5	5969.9	4652.5	3326.9					
#2	2915.4	5983.3	4657.5	3362.1					
#3	2914.7	5983.5	4691.7	3372.9					

Sample Name: MP30263-MB1 Acquired: 4/21/2016 15:27:44 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.007	F .1200	F -.0058	-0.043	F -.0026	0.693	-0.012	-0.018
Stddev	.0044	.0216	.0024	.0019	.0003	.0258	.0001	.0002
%RSD	600.4	17.98	40.89	44.82	9.726	37.28	9.707	12.48
#1	-.0054	.1066	-.0084	-.0063	-.0023	.0582	-.0012	-.0019
#2	-.0001	.1084	-.0039	-.0025	-.0028	.0508	-.0010	-.0019
#3	.0033	.1449	-.0050	-.0042	-.0026	.0988	-.0012	-.0015
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.1000	.0050		.0020			
Low Limit		-.1000	-.0050		-.0020			
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.013	-0.017	0.407	0.086	0.917	-0.003	-0.098	1.580
Stddev	.0008	.0005	.0168	.3221	.0901	.0002	.0003	.0607
%RSD	59.22	29.06	41.32	374.2	98.30	56.53	2.647	38.43
#1	-.0021	-.0018	.0444	-.3277	.0021	-.0001	-.0100	.0939
#2	-.0005	-.0011	.0553	.0393	.1823	-.0004	-.0095	.2147
#3	-.0014	-.0021	.0223	.3142	.0906	-.0004	-.0099	.1654
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass				

Sample Name: MP30263-MB1 Acquired: 4/21/2016 15:27:44 Type: QC
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	-0.0039	-0.0035	F_0304
Stddev	.0008	.0011	.0001
%RSD	21.30	32.92	.3157

#1	-0.0045	-0.0030	.0305
#2	-0.0042	-0.0048	.0305
#3	-0.0029	-0.0027	.0303

Check ?	Chk Pass	Chk Pass	Chk Fail
High Limit			.0100
Low Limit			-.0100

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3034.5	5879.4	4600.0	3347.0
Stddev	4.6	2.1	214.	9.4
%RSD	.15137	.03492	.46556	.27957

#1	3029.3	5881.2	45794.	3345.4
#2	3038.1	5879.8	46221.	3338.5
#3	3036.2	5877.1	45984.	3357.0

Sample Name: MP30263-B1 Acquired: 4/21/2016 15:32:16 Type: QC
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0481	28.17	2.007	2.124	.0501	26.92	.0523	.5377	.2116
Stddev	.0008	.26	.009	.012	.0000	.10	.0002	.0006	.0005
%RSD	1.741	.9381	.4734	.5826	.0275	.3837	.4285	.1187	.2556

#1	.0473	28.19	2.012	2.110	.0501	26.86	.0522	.5372	.2113
#2	.0480	28.42	2.014	2.133	.0501	27.04	.0525	.5384	.2122
#3	.0489	27.89	1.997	2.128	.0501	26.87	.0522	.5375	.2111

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2700	27.21	26.95	26.06	.5542	.4994	26.49	.5439	.5047
Stddev	.0022	.11	.27	.37	.0019	.0009	.07	.0010	.0047
%RSD	.8001	.4026	1.006	1.403	.3338	.1842	.2667	.1907	.9223

#1	.2711	27.16	26.64	25.92	.5564	.4991	26.52	.5451	.5018
#2	.2675	27.34	27.15	26.48	.5530	.4987	26.54	.5433	.5021
#3	.2714	27.14	27.06	25.79	.5533	.5005	26.41	.5434	.5100

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5026	2.050	.0333	.5876	.5058	.5167	2.070	.4917	.5740
Stddev	.0083	.005	.0014	.0014	.0021	.0004	.009	.0019	.0004
%RSD	1.656	.2296	4.282	.2350	.4191	.0805	.4520	.3898	.0764

#1	.4930	2.055	.0319	.5860	.5034	.5171	2.079	.4937	.5743
#2	.5061	2.048	.0347	.5886	.5075	.5168	2.060	.4914	.5741
#3	.5085	2.046	.0334	.5882	.5066	.5163	2.071	.4900	.5735

Check ?	Chk Pass	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value Range									

7.2
7

Sample Name: MP30263-B1 Acquired: 4/21/2016 15:32:16 Type: QC
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2894.7	5770.4	44481.	3230.6
Stddev	15.6	21.3	143.	18.6
%RSD	.53958	.36928	.32162	.57681

#1	2911.9	5794.8	44468.	3232.1
#2	2890.5	5760.8	44344.	3211.2
#3	2881.6	5755.6	44629.	3248.4

Sample Name: FA31998-1 Acquired: 4/21/2016 15:36:37 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3600)
Avg	-.0011	536.7	.1163	2.052	.0138	52.38	-.0002	.1024	.7197
Stddev	.0021	1.2	.0039	.009	.0001	.21	.0004	.0005	.0027
%RSD	190.7	.2156	3.337	4.563	.3860	.3953	239.0	.4691	.3806

#1	.0001	538.0	.1120	2.061	.0138	52.59	-.0003	.1028	.7182
#2	-.0036	536.1	.1194	2.043	.0137	52.18	-.0005	.1019	.7180
#3	.0001	535.9	.1177	2.050	.0138	52.37	.0003	.1026	.7228

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.525	358.0	29.85	65.12	4.915	.0011	4.301	.6695	6.177
Stddev	.002	1.3	.40	.28	.018	.0004	.022	.0006	.021
%RSD	.1041	.3756	1.327	.4285	.3740	.3536	.5093	.1088	.3337

#1	1.523	359.5	30.30	65.34	4.902	.0015	4.317	.6660	6.200
#2	1.525	357.5	29.65	65.22	4.908	.0012	4.310	.6661	6.160
#3	1.526	357.0	29.59	64.81	4.936	.0007	4.276	.6650	6.172

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0151	-.0076	3.102	.0458	.7565	13.90	.0002	.6695	.9094
Stddev	.0058	.0054	.003	.0006	.0007	.03	.0057	.0034	.0013
%RSD	38.12	72.04	.0972	1.201	.0897	.2404	3123.	.5121	.1407

#1	.0218	-.0065	3.102	.0463	.7572	13.88	.0065	.6668	.9093
#2	.0114	-.0135	3.099	.0459	.7564	13.89	-.0045	.6684	.9081
#3	.0122	-.0027	3.105	.0452	.7558	13.94	-.0015	.6734	.9107

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2798.8	5964.0	44612.	3273.0
Stddev	7.9	10.5	125.	26.8
%RSD	.28309	.17609	.28112	.81957

#1	2789.8	5954.5	44736.	3252.0
#2	2804.8	5975.3	44617.	3263.7
#3	2801.8	5962.1	44485.	3303.2

Sample Name: MP30263-D1 Acquired: 4/21/2016 15:40:59 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.010	530.3	1.208	2.071	0.137	52.28	0.006	1.026	7.121
Stddev	0.0028	2.4	0.024	0.07	0.002	25	0.003	0.009	0.020
%RSD	283.0	4511	1.975	3.164	1.729	4829	50.75	8320	2805

#1	-0.027	533.0	1.197	2.078	0.134	52.54	0.010	1.034	7.131
#2	-0.022	528.4	1.192	2.065	0.136	52.04	0.003	1.027	7.098
#3	-0.025	529.5	1.236	2.070	0.139	52.25	0.006	1.017	7.135

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.518	354.1	29.44	64.69	4.895	0.006	4.380	5.641	6.253
Stddev	0.05	1.3	0.08	0.18	0.06	0.013	0.054	0.016	0.015
%RSD	3.119	3.769	2.794	2.833	1.250	212.1	1.240	2.850	2.375

#1	1.522	355.2	29.50	64.89	4.888	0.015	4.383	5.645	6.253
#2	1.520	352.6	29.47	64.53	4.896	0.012	4.324	5.655	6.267
#3	1.513	354.4	29.34	64.66	4.900	-0.009	4.432	5.623	6.237

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.144	-0.005	2.978	0.451	0.785	13.36	-0.039	6.601	9.250
Stddev	0.045	0.0142	0.14	0.012	0.012	0.2	0.046	0.021	0.029
%RSD	31.18	287.3	4.726	2.757	1.596	13.78	117.1	3.218	3.137

#1	0.138	-0.139	2.986	0.456	0.7598	13.35	-0.055	6.591	9.262
#2	0.192	-0.020	2.986	0.461	0.7582	13.38	0.012	6.586	9.271
#3	0.103	0.144	2.962	0.437	0.7575	13.36	-0.076	6.625	9.217

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2748.1	5853.3	44376.	3275.7
Stddev	3.6	12.4	19.	23.1
%RSD	0.13259	0.21133	0.04223	0.70397

#1	2744.4	5845.2	44378.	3251.5
#2	2748.3	5847.1	44357.	3278.1
#3	2751.7	5867.5	44394.	3297.4

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Sample Name: MP30263-D2 Acquired: 4/21/2016 15:45:19 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.015	584.1	1.317	2.234	0.145	56.50	0.005	1.114	8.019
Stddev	0.006	3.5	0.052	0.13	0.002	38	0.005	0.002	0.014
%RSD	43.82	6037	3.987	5.853	1.678	6703	101.8	1.416	1.744

#1	-0.011	587.6	1.369	2.249	0.145	56.79	0.001	1.113	8.033
#2	-0.022	584.2	1.316	2.229	0.143	56.63	0.011	1.116	8.020
#3	-0.011	580.6	1.264	2.224	0.148	56.07	0.004	1.114	8.005

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.657	386.6	32.24	69.88	5.259	0.023	4.715	6.187	7.142
Stddev	0.09	1.7	0.44	0.13	0.04	0.003	0.026	0.016	0.011
%RSD	5.416	4.500	1.368	1.799	2.692	12.57	5.515	2.524	1.492

#1	1.667	388.5	32.68	69.84	5.269	0.024	4.738	6.201	7.130
#2	1.652	386.2	32.25	69.78	5.265	0.026	4.687	6.190	7.144
#3	1.652	385.0	31.80	70.02	5.243	0.020	4.719	6.170	7.151

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.227	-0.147	3.686	0.582	8.227	14.94	-0.036	7.306	9.690
Stddev	0.067	0.030	0.01	0.012	0.041	0.4	0.073	0.030	0.027
%RSD	29.69	20.15	0.264	1.984	5.000	2.637	205.0	4.136	2.808

#1	0.304	-0.146	3.687	0.578	8.267	14.98	0.039	7.326	9.722
#2	0.184	-0.118	3.685	0.573	8.230	14.93	-0.039	7.320	9.671
#3	0.191	-0.177	3.686	0.595	8.184	14.90	-0.107	7.271	9.679

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2692.1	5776.2	43409.	3216.6
Stddev	6.2	6.3	135.	10.0
%RSD	0.22977	0.10892	0.31183	0.31045

#1	2699.2	5770.7	43438.	3217.2
#2	2687.7	5774.9	43262.	3206.3
#3	2689.6	5783.0	43528.	3226.3

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7.2
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Sample Name: MP30263-SD1 Acquired: 4/21/2016 15:49:41 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.057	569.7	1.212	2.193	0.052	53.94	-0.042	1.045	7.413
Stddev	0.096	4.5	0.025	0.22	0.021	28	0.010	0.010	0.098
%RSD	168.7	7.931	10.29	1.019	40.30	51.49	23.58	9284	1.321

#1	-0.041	565.0	1.105	2.172	0.032	53.70	-0.054	1.056	7.423
#2	0.030	570.0	1.181	2.191	0.050	53.87	-0.037	1.038	7.505
#3	-0.159	574.0	1.349	2.216	0.074	54.24	-0.036	1.041	7.310

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.522	370.5	33.39	68.49	5.041	-0.092	7.928	5.946	6.183
Stddev	0.17	2.1	1.45	0.93	0.11	0.015	0.202	0.077	0.040
%RSD	1.111	0.5610	4.346	1.364	2.203	3.868	2.542	1.294	0.6513

#1	1.541	368.4	32.07	67.57	5.053	-0.037	7.697	6.034	6.168
#2	1.512	370.5	33.16	68.47	5.032	-0.049	8.019	5.891	6.153
#3	1.512	372.6	34.95	69.44	5.038	-0.039	8.069	5.913	6.229

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.029	-0.032	60.22	0.345	0.7898	15.52	-0.020	6.721	1.052
Stddev	0.0104	0.0167	2.08	0.029	0.074	0.21	0.050	0.086	0.03
%RSD	358.6	44.90	3.452	8.282	9.333	1.330	22.69	1.282	0.3180

#1	0.091	-0.0487	62.57	0.313	0.7813	15.75	-0.0277	6.691	1.050
#2	-0.086	-0.0448	58.62	0.352	0.7943	15.46	-0.0190	6.818	1.056
#3	-0.092	-0.180	59.46	0.368	0.7939	15.35	-0.192	6.654	1.050

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2942.4	5935.1	45009.	3243.2
Stddev	2.3	1.2	124.	29.9
%RSD	0.07813	0.02013	0.27654	0.92272

#1	2943.7	5936.4	45153.	3270.3
#2	2939.8	5934.4	44931.	3248.3
#3	2943.8	5934.3	44944.	3211.1

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Sample Name: CCV Acquired: 4/21/2016 15:54:02 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2527	40.70	1.975	2.045	1.977	40.84	1.999	2.011	2.023
Stddev	0.003	0.12	0.03	0.05	0.03	0.10	0.01	0.02	0.03
%RSD	0.0995	3.028	1.408	2.550	1.618	2.338	0.621	0.848	1.252

Sample Name: CCV Acquired: 4/21/2016 15:54:02 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2587.6	5553.3	4244.8	3150.9
Stddev	3.1	8.5	136.	11.7
%RSD	.11821	.15237	.32115	.36988
#1	2591.0	5556.1	42339.	3143.3
#2	2586.8	5559.9	42403.	3145.0
#3	2585.1	5543.7	42601.	3164.3

Sample Name: CCB Acquired: 4/21/2016 15:58:14 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0001	.0097	-.0008	.0000	-.0002	.0074	.0000	.0000	-.0003
Stddev	.0003	.0039	.0011	.000	.0001	.0010	.000	.000	.0001
%RSD	190.4	39.84	134.4	169.3	48.20	13.33	94.07	463.5	24.69
#1	.0004	.0129	.0001	.0000	-.0001	.0077	.0000	.0001	-.0004
#2	-.0001	-.0054	-.0005	-.0001	-.0002	.0063	.0000	-.0002	-.0002
#3	.0000	.0107	-.0020	-.0001	-.0003	.0082	.0000	.0000	-.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0003	-.0029	-.0045	.0144	-.0002	-.0002	.0302	.0000	.0003
Stddev	.0002	.0017	.0330	.0106	.0000	.0003	.0031	.000	.0006
%RSD	62.35	58.29	728.4	73.42	2.481	207.2	10.14	846.8	202.2
#1	.0005	-.0010	-.0063	.0234	-.0002	.0002	.0317	.0001	.0009
#2	.0004	-.0040	.0293	.0028	-.0002	-.0002	.0322	-.0002	-.0002
#3	.0001	-.0037	-.0367	.0171	-.0002	-.0005	.0267	.0001	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0001	-.0005	.0036	-.0003	-.0002	-.0006	-.0006	-.0004	.0006
Stddev	.0003	.0013	.0006	.0002	.0001	.0001	.0010	.0000	.0000
%RSD	407.7	262.7	16.33	59.47	62.96	16.27	159.1	4.522	6.059
#1	.0003	.0007	.0042	-.0001	-.0002	-.0006	-.0016	-.0004	.0006
#2	.0002	-.0019	.0036	-.0005	-.0001	-.0005	-.0007	-.0004	.0007
#3	-.0003	-.0003	.0031	-.0004	-.0004	-.0006	.0004	-.0004	.0006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.2
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Sample Name: CCB Acquired: 4/21/2016 15:58:14 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2886.3	5591.0	4357.8	3165.7
Stddev	2.6	1.8	120.	24.1
%RSD	.09009	.03305	.27561	.76279
#1	2889.3	5593.1	43592.	3143.1
#2	2885.1	5590.1	43451.	3162.9
#3	2884.5	5589.8	43690.	3191.2

Sample Name: MP30263-PS1 Acquired: 4/21/2016 16:02:46 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	.0498	541.2	.2152	2.355	.0647	57.65	.0499	.1534	.7705
Stddev	.0013	1.0	.0031	.006	.0008	.26	.0003	.0007	.0046
%RSD	2.665	.1852	1.461	.2473	1.267	4.564	.6521	.4711	.6003
#1	.0483	541.5	.2172	2.361	.0639	57.95	.0502	.1528	.7743
#2	.0507	540.0	.2116	2.352	.0648	57.50	.0500	.1542	.7718
#3	.0505	541.9	.2167	2.351	.0655	57.50	.0495	.1533	.7653

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	1.628	362.4	40.18	69.58	4.926	.0990	14.56	.6689	6.317
Stddev	.002	.5	.26	.56	.017	.0002	.02	.0007	.021
%RSD	.1457	.1426	.6501	.7998	.3393	.2342	.1421	.0998	.3302
#1	1.631	362.6	40.45	70.17	4.944	.0992	14.56	.6697	6.334
#2	1.629	361.9	39.93	69.50	4.924	.0991	14.59	.6685	6.324
#3	1.626	362.9	40.14	69.07	4.910	.0987	14.55	.6685	6.294

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.1220	.0870	3.248	.0945	.8131	13.96	.0973	.7214	1.145
Stddev	.0072	.0134	.006	.0024	.0023	.04	.0017	.0022	.005
%RSD	5.941	15.35	.1893	2.504	.2884	.2762	1.700	.3098	.4467
#1	.1174	.0737	3.255	.0920	.8126	14.00	.0986	.7239	1.149
#2	.1182	.0868	3.245	.0950	.8110	13.96	.0954	.7204	1.147
#3	.1303	.1005	3.244	.0966	.8156	13.93	.0978	.7197	1.139

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2741.4	5887.0	44349.	3305.7
Stddev	2.5	10.7	158.	21.8
%RSD	.09160	.18107	.35625	.66029
#1	2740.2	5874.8	44167.	3280.7
#2	2739.7	5891.4	44436.	3320.4
#3	2744.2	5894.7	44445.	3316.1

Sample Name: FA31998-4 Acquired: 4/21/2016 16:07:05 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	683.7	1.216	4.217	0.0191	126.7	0.0049	1.426	8637
Stddev	.0017	1.6	.0027	.009	.0004	.6	.0002	.0004	.0029
%RSD	626.3	.2373	2.226	.2030	2.342	.4515	4.269	.2525	.3397
#1	.0005	685.4	.1247	4.220	.0196	127.4	.0047	1.424	.8631
#2	-.0022	682.1	-.1198	4.207	.0188	126.4	.0052	1.430	.8669
#3	.0009	683.7	.1203	4.223	.0189	126.4	.0049	1.423	.8611
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.3388	447.9	34.73	77.97	14.24	0.036	4.745	6.742	8929
Stddev	.0018	.9	.12	.36	.12	.0010	.054	.0010	.0003
%RSD	.5447	.2117	.3494	.4584	.8639	29.20	1.137	1.465	.0297
#1	.3407	448.9	34.87	78.37	14.27	.0026	4.726	6.731	8928
#2	.3370	447.6	34.67	77.81	14.35	.0046	4.806	6.751	8931
#3	.3386	447.1	34.65	77.71	14.11	.0036	4.704	6.745	8926
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.061	-0.202	4.945	0.485	1.957	16.59	-0.029	8.468	7818
Stddev	.0006	.0058	.016	.0024	.008	.09	.0036	.0037	.0016
%RSD	10.44	28.83	.3282	4.922	.4052	5.481	126.7	4.349	2.002
#1	-.0064	-.0209	4.947	.0487	1.952	16.62	-.0004	8.478	.7824
#2	-.0065	-.0140	4.961	.0460	1.954	16.67	-.0023	8.427	.7830
#3	-.0053	-.0256	4.928	.0508	1.966	16.49	-.0067	8.499	.7800
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2713.5	5926.4	44553.	3308.8					
Stddev	4.5	7.5	173.	18.7					
%RSD	.16696	.12704	.38791	.56641					
#1	2716.5	5930.2	44555.	3287.4					
#2	2715.8	5917.8	44379.	3322.0					
#3	2708.3	5931.4	44725.	3317.1					

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Sample Name: FA31998-5 Acquired: 4/21/2016 16:11:42 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0029	643.7	1.158	4.097	0.0175	135.3	0.0052	1.352	8178
Stddev	.0029	4.1	.0028	.022	.0002	1.1	.0004	.0006	.0015
%RSD	100.1	.6401	2.390	.5424	1.145	.7978	6.865	.4590	.1853
#1	.0063	645.4	1.144	4.112	.0177	135.6	.0049	1.345	.8195
#2	.0012	646.7	1.140	4.107	.0175	136.2	.0051	1.354	.8167
#3	.0013	639.0	1.190	4.071	.0173	134.1	.0056	1.356	.8170
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.3612	425.0	32.62	77.13	14.23	0.027	4.600	6.682	1.159
Stddev	.0011	2.3	.28	.40	.10	.0009	.052	.0013	.005
%RSD	.3087	.5319	.8703	.5168	.7181	34.85	1.134	.2067	.3950
#1	.3623	425.5	32.94	77.13	14.33	.0020	4.647	6.684	1.160
#2	.3601	427.0	32.41	77.52	14.24	.0038	4.544	6.694	1.155
#3	.3610	422.5	32.50	76.73	14.12	.0023	4.608	6.668	1.164
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.001	-0.074	4.327	0.479	2.006	15.22	0.080	7.927	8058
Stddev	.0011	.0241	.012	.0023	.011	.10	.0042	.0022	.0033
%RSD	889.7	327.3	.2838	4.740	.5299	6629	53.16	2.830	4.154
#1	.0008	.0033	4.318	.0452	2.015	15.33	.0091	7.950	.8019
#2	.0002	.0096	4.322	.0492	2.009	15.19	.0116	7.905	.8079
#3	-.0013	-.0350	4.341	.0491	1.994	15.13	.0033	7.926	.8076
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2755.3	5999.4	45125.	3314.8					
Stddev	8.5	3.4	273.	12.2					
%RSD	.30996	.05586	.60474	.36848					
#1	2746.5	5999.2	44817.	3309.5					
#2	2763.5	6002.8	45217.	3306.2					
#3	2755.8	5996.1	45339.	3328.8					

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7.2
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Sample Name: FA31998-11 Acquired: 4/21/2016 16:16:20 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.013	221.6	0.528	.9901	0.036	27.62	-0.011	0.530	4004
Stddev	.0019	1.6	.0045	.0068	.0002	.12	.0002	.0004	.0012
%RSD	143.6	.7051	8.475	.6860	6.912	.4415	13.54	.6617	.2997
#1	-.0033	222.6	.0507	.9942	.0036	27.73	-.0012	.0531	.3996
#2	-.0005	222.3	.0579	.9937	.0038	27.64	-.0009	.0534	.3998
#3	-.0012	219.8	.0497	.9822	.0033	27.49	-.0012	.0527	.4018
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.0716	188.6	21.57	28.06	2.325	-0.025	3.042	2.438	2699
Stddev	.0014	1.2	.14	.26	.003	.0005	.020	.0011	.0032
%RSD	1.958	.6512	.6590	.9143	.1326	21.17	6.448	4.349	1.196
#1	.0709	189.2	21.44	27.77	2.326	-.0027	3.020	2.426	2663
#2	.0707	189.5	21.72	28.26	2.327	-.0019	3.052	2.440	2725
#3	.0732	187.2	21.54	28.15	2.322	-.0029	3.055	2.447	2710
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.032	-0.033	3.447	0.485	3.474	7.621	-0.019	3.946	2745
Stddev	.0042	.0064	.003	.0006	.0025	.003	.0054	.0008	.0006
%RSD	130.4	193.4	.0754	1.193	.7192	.0438	294.5	1.904	.2057
#1	.0009	-.0106	3.450	.0487	.3478	7.617	.0043	.3937	.2741
#2	-.0031	-.0006	3.445	.0478	.3496	7.623	-.0060	.3947	.2751
#3	-.0075	.0013	3.445	.0489	.3447	7.622	-.0039	.3952	.2742
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2829.2	5848.4	44514.	3256.9					
Stddev	14.6	6.1	175.	12.6					
%RSD	.51526	.10390	.39271	.38831					
#1	2840.9	5842.5	44391.	3249.6					
#2	2812.9	5848.1	44714.	3249.5					
#3	2833.7	5854.7	44438.	3271.5					

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Sample Name: FA31998-14 Acquired: 4/21/2016 16:20:39 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.015	299.3	0.402	1.704	0.070	14.60	-0.021	0.707	4930
Stddev	.0006	.9	.0051	.012	.0004	.02	.0000	.0001	.0029
%RSD	36.40	.3071	12.62	.7229	6.063	.1620	2.312	1.187	.5892
#1	-.0019	300.2	.0389	1.718	.0072	14.62	-.0020	.707	.4936
#2	-.0018	299.4	.0359	1.701	.0072	14.60	-.0020	.708	.4955
#3	-.0009	298.4	.0458	1.693	.0065	14.57	-.0021	.707	.4898
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.1011	229.6	21.55	23.63	1.984	0.028	2.937	2.671	9537
Std									

Sample Name: FA31998-15 Acquired: 4/21/2016 16:25:00 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.014	308.0	0.389	1.765	0.067	13.92	-0.021	0.648	4.862
Stddev	0.0021	.4	.0044	.005	.0004	.11	.0002	.0002	0.027
%RSD	152.1	.1413	11.18	.3093	6.034	.7651	10.24	.3044	.5584
#1	-0.006	308.4	0.363	1.760	0.067	13.90	-0.019	0.647	4.883
#2	-0.038	308.2	0.439	1.771	0.071	14.04	-0.022	0.646	4.831
#3	0.002	307.5	0.365	1.764	0.063	13.83	-0.023	0.650	4.870
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.024	233.4	21.29	23.72	2.007	0.012	2.855	2.638	2.927
Stddev	0.012	.3	.08	.10	.007	.0007	.025	.0006	0.024
%RSD	1.130	.1471	.3902	.4092	.3519	55.42	.8827	.2448	.8115
#1	1.032	233.5	21.20	23.68	2.010	0.015	2.872	2.639	2.928
#2	1.010	233.6	21.29	23.82	1.999	0.004	2.868	2.644	2.950
#3	1.029	233.0	21.37	23.64	2.012	0.017	2.826	2.631	2.903
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.042	-0.047	3.553	0.429	9.087	-0.021	5.597	2.366	1.176
Stddev	0.049	0.028	0.10	0.012	0.000	0.13	0.090	0.003	0.004
%RSD	114.5	59.11	.2827	2.683	0.124	1.409	427.1	0.614	1.627
#1	-0.099	-0.026	3.557	0.437	2.260	9.094	0.027	5.399	2.368
#2	-0.015	-0.037	3.542	0.416	2.260	9.072	-0.125	5.393	2.368
#3	-0.014	-0.079	3.561	0.435	2.259	9.094	0.034	5.398	2.361
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2755.8	5766.0	4344.8	3174.9					
Stddev	7.8	14.6	109.	25.3					
%RSD	28184	25337	24972	79810					
#1	2764.5	5777.9	4341.0	3176.5					
#2	2749.4	5770.4	4357.1	3148.8					
#3	2753.7	5749.7	4336.4	3199.4					

Sample Name: FA31998-20 Acquired: 4/21/2016 16:29:20 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.016	340.1	0.427	2.541	0.068	129.3	-0.001	0.784	5.059
Stddev	0.014	.9	.0032	.005	.0004	.5	.0002	.0006	0.015
%RSD	90.67	.2567	7.536	.1806	5.349	.3699	148.8	.7461	.2914
#1	0.001	340.2	0.417	2.545	0.064	129.5	-0.001	0.779	5.045
#2	-0.024	340.9	0.402	2.541	0.067	129.7	0.001	0.790	5.057
#3	-0.024	339.2	0.464	2.536	0.072	128.8	-0.003	0.782	5.074
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.431	260.4	26.58	28.79	7.367	0.031	3.232	3.110	2.093
Stddev	0.01	.9	.32	.42	.017	.0008	.015	.0009	.005
%RSD	0.786	.3590	1.202	1.475	.2273	24.49	.4611	.2870	.2551
#1	1.431	260.9	26.94	28.57	7.357	0.031	3.216	3.104	2.093
#2	1.433	261.1	26.47	29.28	7.387	0.039	3.236	3.106	2.088
#3	1.431	259.4	26.33	28.52	7.359	0.024	3.245	3.121	2.098
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.004	-0.096	3.721	0.438	1.000	8.708	-0.034	5.851	4.156
Stddev	0.075	0.098	0.02	0.020	0.02	0.09	0.093	0.015	0.016
%RSD	182.5	102.4	0.540	4.655	2.269	1.040	274.0	2.621	3.970
#1	0.080	-0.087	3.723	0.415	1.003	8.701	-0.112	5.857	4.163
#2	-0.064	-0.003	3.719	0.447	0.989	8.718	-0.060	5.861	4.137
#3	-0.028	-0.198	3.721	0.452	0.988	8.705	0.069	5.833	4.168
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2766.4	5787.9	4349.6	3171.4					
Stddev	4.7	3.4	75.	18.7					
%RSD	16958	05844	17279	59110					
#1	2762.4	5784.1	4356.8	3169.3					
#2	2765.3	5789.0	4341.8	3153.8					
#3	2771.6	5790.6	4350.3	3191.1					

Sample Name: FA31998-23 Acquired: 4/21/2016 16:33:40 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.022	202.5	0.606	9.964	0.038	27.14	0.018	0.937	3.939
Stddev	0.014	.1	.0019	.0046	.0004	.15	.0003	.0005	0.017
%RSD	60.85	0.396	3.054	4.611	11.21	5.407	17.41	1.223	4.207
#1	-0.022	202.6	0.627	9.911	0.041	27.18	0.015	0.940	3.923
#2	-0.036	202.5	0.600	9.996	0.033	27.27	0.021	0.940	3.939
#3	-0.009	202.4	0.592	9.984	0.041	26.98	0.017	0.932	3.956
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.874	187.1	25.81	29.50	2.652	-0.037	2.662	1.963	3.109
Stddev	0.015	.4	.33	.35	.005	.0002	.015	.0009	.002
%RSD	1.742	.2310	1.276	1.192	1.720	4.354	5.765	4.562	0.532
#1	0.891	187.3	25.76	29.66	2.650	-0.038	2.649	1.960	3.109
#2	0.861	187.5	26.16	29.75	2.649	-0.038	2.658	1.956	3.108
#3	0.870	186.7	25.51	29.10	2.657	-0.035	2.679	1.973	3.111
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.010	0.005	2.961	0.447	3.695	7.633	0.018	3.145	1.323
Stddev	0.016	0.0089	0.08	0.004	0.008	0.14	0.016	0.014	0.003
%RSD	162.0	181.2	.2661	.9625	.2228	1.859	90.18	4.343	2.240
#1	-0.027	-0.011	2.958	0.451	3.703	7.633	0.011	3.155	1.323
#2	0.006	0.010	2.954	0.442	3.686	7.619	0.037	3.129	1.320
#3	-0.009	-0.075	2.970	0.447	3.695	7.647	0.007	3.150	1.326
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2823.8	5893.6	4464.0	3236.3					
Stddev	6.6	10.2	103.	21.4					
%RSD	23471	17223	23113	65989					
#1	2818.7	5882.1	4454.3	3236.2					
#2	2831.3	5901.2	4474.8	3215.0					
#3	2821.4	5897.4	4462.9	3257.7					

Sample Name: FA31998-26 Acquired: 4/21/2016 16:38:00 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	266.2	0.792	7.796	0.057	26.89	-0.013	0.583	5.529
Stddev	0.010	.7	.0017	.0021	.0000	.04	.0003	.0001	0.010
%RSD	282.5	.2644	2.154	2.661	.8648	1.307	21.36	1.560	1.752
#1	-0.011	265.5	0.781	7.795	0.057	26.91	-0.015	0.583	5.522
#2	0.008	266.2	0.812	7.817	0.056	26.85	-0.015	0.584	5.525
#3	-0.007	266.9	0.784	7.775	0.057	26.91	-0.010	0.582	5.540
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.709	218.5	25.20	37.39	2.271	-0.012	2.996	2.974	1.676
Stddev	0.009	.5	.30	.08	.014	.0007	.054	0.016	0.037
%RSD	1.234	.2238	1.182	2.093	.6202	55.05	1.805	5.238	2.182
#1	0.716	218.5	25.53	37.30	2.287	-0.014	2.938	2.975	1.643
#2	0.699	218.0	24.95	37.45	2.259	-0.005	3.005	2.958	1.671
#3	0.711	219.0	25						

Sample Name: FA32106-1 Acquired: 4/21/2016 16:42:21 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.034	152.2	0.294	1.149	0.010	33.04	-0.008	0.288	2.561
Stddev	.0017	.7	.0026	.005	.0004	.26	.0004	.0004	.0011
%RSD	49.66	4.744	8.710	.4210	38.96	.7987	45.77	1.542	4.328
#1	-0.052	153.0	0.265	1.154	.0015	33.35	-0.012	0.288	2.558
#2	-0.029	151.7	0.312	1.144	.0009	32.89	-0.005	0.292	2.573
#3	-0.020	151.9	0.306	1.149	.0007	32.90	-0.008	0.283	2.552
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.007	167.1	15.38	12.77	2.772	0.006	1.876	1.263	4.295
Stddev	.0006	.7	.25	.18	.015	.0008	.035	.0003	.0068
%RSD	.6154	.4373	1.596	1.428	.5437	140.4	1.876	.2182	1.592
#1	.0904	167.9	15.64	12.90	2.785	-0.003	1.892	1.263	4.370
#2	.0914	166.5	15.15	12.56	2.775	.0012	1.836	1.260	4.278
#3	.0904	166.8	15.35	12.85	2.755	.0009	1.900	1.265	4.236
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.018	-0.047	4.030	0.468	4.708	5.837	-0.029	4.253	2.010
Stddev	.0012	.0042	.005	.0006	.0017	.016	.0050	.0021	.0005
%RSD	13.76	88.03	1.153	1.330	.3701	2.652	172.9	.4830	2.321
#1	.0020	-0.036	4.028	.0475	4.710	5.849	-0.050	4.243	2.014
#2	.0016	-0.093	4.035	.0465	4.690	5.842	-0.065	4.277	2.011
#3	.0017	-0.013	4.026	.0464	4.725	5.819	.0028	4.240	2.005
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2850.1	5788.2	4442.9	3248.8					
Stddev	12.6	7.8	231.	22.5					
%RSD	.44380	.13458	.51955	.69228					
#1	2835.5	5779.8	4418.9	3223.9					
#2	2857.1	5790.9	4444.9	3255.0					
#3	2857.6	5794.7	4464.9	3267.6					

Sample Name: CCV Acquired: 4/21/2016 16:46:42 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.571	41.56	1.998	2.083	2.017	41.95	2.033	2.050	2.065
Stddev	.0009	.21	.005	.006	.010	.19	.003	.002	.005
%RSD	.3622	.4934	.2424	.3112	.4952	.4516	.1365	.1064	.2205
#1	.2563	41.41	1.998	2.079	2.011	41.87	2.036	2.052	2.069
#2	.2569	41.79	2.003	2.091	2.028	42.16	2.032	2.049	2.067
#3	.2582	41.47	1.994	2.079	2.011	41.80	2.030	2.048	2.060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.079	39.92	43.74	41.55	2.068	2.036	41.62	2.022	2.015
Stddev	.005	.19	.21	.19	.007	.000	.18	.004	.006
%RSD	.2295	.4707	.4910	.4491	.3639	.0107	.4253	.1886	.2820
#1	2.076	39.84	43.74	41.46	2.069	2.036	41.50	2.026	2.010
#2	2.077	40.13	43.96	41.76	2.075	2.036	41.83	2.023	2.014
#3	2.085	39.78	43.53	41.42	2.060	2.037	41.54	2.018	2.021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.014	2.023	1.445	2.075	2.022	2.041	2.026	2.019	2.013
Stddev	.006	.004	.005	.003	.007	.004	.004	.007	.004
%RSD	.2909	.1916	.3679	.1494	.3626	.1913	.2101	.3514	.1878
#1	2.019	2.027	1.447	2.079	2.017	2.041	2.027	2.021	2.017
#2	2.016	2.021	1.450	2.072	2.031	2.044	2.029	2.025	2.011
#3	2.008	2.021	1.440	2.075	2.019	2.037	2.021	2.011	2.010
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

7.2
7

Sample Name: CCV Acquired: 4/21/2016 16:46:42 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2542.0	5463.2	4170.7	3086.1
Stddev	3.8	4.6	120.	27.6
%RSD	.14821	.08364	.28860	.89372
#1	2545.8	5458.5	4166.8	3098.9
#2	2541.9	5463.3	4161.1	3054.5
#3	2538.3	5467.7	4184.2	3105.0

Sample Name: CCB Acquired: 4/21/2016 16:50:54 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	0.062	-0.004	-0.001	0.000	0.050	0.000	-0.001	0.000
Stddev	.0002	.0054	.0003	.0006	.0000	.0045	.0001	.0000	.000
%RSD	61.61	86.61	77.09	416.7	147.1	90.06	330.3	49.52	553.0
#1	-0.004	.0121	-0.006	-0.005	.0000	.0068	.0001	-0.001	-0.002
#2	-0.002	.0016	.0000	.0006	.0000	.0083	.0000	.0000	.0000
#3	-0.006	.0048	-0.006	-0.005	.0000	-0.001	.0000	-0.001	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.021	-0.148	-0.113	-0.001	-0.001	0.077	-0.002	0.002
Stddev	.0001	.0067	.0220	.0142	.0000	.0003	.0063	.0001	.0001
%RSD	104.3	315.6	148.7	126.4	39.19	275.8	82.47	30.44	43.04
#1	.0000	.0092	-0.342	.0052	-0.001	.0001	.0148	-0.001	.0002
#2	-0.003	.0010	.0091	-0.196	-0.002	.0000	.0056	-0.002	.0002
#3	-0.002	-0.039	-0.193	-0.194	-0.002	-0.005	.0026	-0.002	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.002	0.004	0.028	-0.003	0.000	-0.005	0.000	-0.003	0.006
Stddev	.0003	.0005	.0003	.0003	.0001	.0000	.0005	.0002	.0000
%RSD	126.7	148.7	11.75	85.64	107.3	4.495	207.1	49.61	3.707
#1	.0005	.0002	.0032	-0.001	.0002	-0.005	.0005	-0.002	.0006
#2	-0.001	-0.001	.0027	-0.003	-0.001	-0.005	.0000	-0.002	.0007
#3	.0003	.0009	.0026	-0.007	-0.001	-0.005	-0.004	-0.005	.0006
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Sample Name: CCB Acquired: 4/21/2016 16:50:54 Type: QC
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	3027.6	5884.5	45380.	3215.1
Stddev	3.3	8.6	32.	19.4
%RSD	.11054	.14591	.07068	.60482

#1	3024.8	5875.0	45370.	3205.1
#2	3026.6	5886.5	45417.	3202.6
#3	3031.3	5891.9	45355.	3237.5

Sample Name: FA32106-4 Acquired: 4/21/2016 16:55:26 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0030	140.6	.0213	1.299	.0009	45.97	-0.0004	.0262	.2145
Stddev	.0014	.3	.0070	.004	.0000	.09	.0001	.0005	.0012
%RSD	45.50	.2405	32.70	.3247	1.807	.2045	34.59	1.931	.5777

#1	-0.0021	140.7	.0289	1.295	.0009	45.98	-0.0005	.0267	.2156
#2	-0.0024	140.2	.0201	1.299	.0009	45.87	-0.0003	.0260	.2148
#3	-0.0046	140.8	.0151	1.303	.0009	46.06	-0.0005	.0257	.2131

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1003	147.0	15.18	13.05	2.421	.0022	1.976	.1135	.5259
Stddev	.0010	.1	.17	.23	.007	.0002	.013	.0006	.0040
%RSD	.9901	.0475	1.148	1.740	.2979	8.394	.6712	.5033	.7544

#1	.1014	147.0	15.21	12.82	2.422	.0023	1.980	.1131	.5289
#2	.0995	146.9	14.99	13.08	2.427	.0020	1.961	.1132	.5214
#3	.1000	147.1	15.34	13.27	2.413	.0024	1.987	.1141	.5274

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0005	-0.0081	4.135	.0443	.6708	5.478	.0043	.3743	.1981
Stddev	.0030	.0066	.015	.0013	.0006	.007	.0015	.0012	.0005
%RSD	603.6	82.08	.3526	2.825	.0849	.1245	35.19	.3201	.2473

#1	.0036	-0.0010	4.127	.0457	.6702	5.480	.0026	.3757	.1981
#2	-0.0025	-0.0091	4.126	.0434	.6712	5.483	.0056	.3733	.1976
#3	.0004	-0.0142	4.152	.0437	.6710	5.470	.0047	.3740	.1986

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2877.6	5847.0	44939.	3276.3
Stddev	3.1	14.0	158.	9.7
%RSD	.10671	.23954	.35050	.29739

#1	2877.0	5841.5	44767.	3285.9
#2	2880.9	5862.9	45076.	3266.4
#3	2874.8	5836.6	44974.	3276.6

7.2
7

Sample Name: FA32106-7 Acquired: 4/21/2016 16:59:47 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.0008	260.5	.0258	3.256	.0041	78.84	-0.0002	.0599	.3564
Stddev	.0003	.5	.0015	.002	.0004	.04	.0004	.0002	.0018
%RSD	43.45	.1804	5.736	.0652	9.748	.0568	165.0	.3440	.4956

#1	-0.0012	260.5	.0271	3.256	.0040	78.80	-0.0002	.0597	.3544
#2	-0.0006	260.0	.0261	3.254	.0037	78.82	-0.0003	.0601	.3577
#3	-0.0006	260.9	.0242	3.258	.0045	78.89	-0.0006	.0599	.3571

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0979	218.8	18.00	23.82	7.507	.0023	2.980	.2231	.4677
Stddev	.0013	.4	.08	.07	.018	.0005	.050	.0008	.0054
%RSD	1.323	.2041	4.281	.2907	.2408	22.41	1.668	.3613	1.145

#1	.0981	218.7	17.95	23.89	7.497	.0019	2.922	.2236	.4640
#2	.0965	218.4	17.97	23.82	7.528	.0029	3.009	.2221	.4739
#3	.0991	219.3	18.09	23.75	7.497	.0022	3.008	.2234	.4654

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0013	-0.0017	5.413	.0467	1.056	8.096	-0.0041	.5302	.2220
Stddev	.0015	.0102	.013	.0002	.004	.009	.0042	.0014	.0004
%RSD	116.9	598.9	.2423	.5218	.3579	.1161	103.4	.2586	.1803

#1	-0.0011	-0.0135	5.412	.0468	1.056	8.086	-0.0084	.5289	.2222
#2	-0.0029	.0047	5.427	.0465	1.052	8.105	-0.0039	.5317	.2216
#3	.0001	.0037	5.401	.0470	1.059	8.097	.0001	.5301	.2223

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2795.5	5795.0	44147.	3270.2
Stddev	1.4	3.0	150.	3.9
%RSD	.04935	.05229	.34046	.11897

#1	2794.8	5797.6	44243.	3271.2
#2	2794.6	5791.7	43973.	3273.5
#3	2797.1	5795.6	44223.	3265.9

Sample Name: FA32106-10 Acquired: 4/21/2016 17:04:07 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0012	246.9	.0272	3.596	.0037	97.99	.0018	.0577	.3475
Stddev	.0013	.7	.0048	.023	.0004	.15	.0002	.0006	.0006
%RSD	115.6	.2993	17.64	.6430	12.12	.1492	11.06	1.087	.1645

#1	.0015	246.2	.0221	3.585	.0039	97.92	.0016	.0580	.3469
#2	.0023	247.7	.0317	3.622	.0040	98.16	.0017	.0570	.3480
#3	-0.0003	246.8	.0277	3.580	.0032	97.89	.0020	.0581	.3476

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1982	201.8	19.25	26.73	7.109	.0000	2.324	.2701	1.578
Stddev	.0006	.4	.14	.19	.019	.0005	.014	.0020	.008
%RSD	.2893	.1780	.7318	.7273	.2730	140.30	.6149	.7409	.5173

#1	.1983	201.5	19.41	26.72	7.124	-0.0001	2.339	.2695	1.577
#2	.1988	202.2	19.17	26.94	7.116	-0.0005	2.311	.2684	1.569
#3	.1977	201.8	19.16	26.55	7.087	.0006	2.321	.2723	1.586

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0027	-0.0071	4.297	.0485	1.205	7.826	-0.0046	.4557	.3661
Stddev	.0040	.0032	.010	.0031	.005	.022	.0054	.0012	.0018
%RSD	147.3	45.11	.2386	6.438	.3805	.2806	117.0	.2584	.4840

#1	.0073	-0.0034	4.287	.0504	1.202	7.845	.0016	.4563	.3668
#2	.0000	-0.0094	4.307	.0503	1.211	7.832	-0.0076	.4543	.3640
#3	.0008	-0.0085	4.298	.0449	1.204	7.802	-0.0078	.4564	.3673

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2819.5	5829.2	44423.	3250.9
Stddev	9.4	6.8	113.	7.2
%RSD	.33253	.11632	.25396	.22127

#1	2809.5	5832.7	44413.	3256.2
#2	2828.1	5821.4	44541.	3253.8
#3	2820.9	5833.6	44316.	3242.7

Sample Name: FA32107-1 Acquired: 4/21/2016 17:08:27 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	162.7	0.261	98.15	0.009	44.12	-0.015	0.267	2.755
Stddev	0.009	.4	.0024	.0033	.0001	.13	.0003	.0007	.0013
%RSD	145.2	2.277	9.104	.3368	10.40	.2969	20.89	2.561	4.752
#1	-0.015	162.7	0.239	.9818	.0008	44.13	-0.012	.0264	2.748
#2	0.002	163.1	0.286	.9847	.0010	44.24	-0.018	.0262	2.770
#3	-0.005	162.4	0.259	.9781	.0009	43.98	-0.016	.0275	2.747
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.784	167.8	20.65	17.45	1.636	0.010	3.029	1.348	1.362
Stddev	.0014	.3	.18	.12	.004	.0002	.006	.0004	.003
%RSD	.4954	.1581	.8631	.6901	.2211	18.31	.2142	.2777	.2294
#1	.2772	167.5	20.83	17.50	1.632	.0011	3.033	.1352	1.363
#2	.2781	168.0	20.47	17.54	1.639	.0012	3.032	.1345	1.358
#3	.2799	168.0	20.64	17.32	1.636	.0008	3.021	.1347	1.364
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.040	-0.061	4.368	0.524	6.659	-0.029	4.441	1.281	1.243
Stddev	.0028	.0115	.004	.0025	.0022	.007	.0064	.0020	.0005
%RSD	70.13	188.8	0.902	4.684	3.424	.1036	223.3	.4441	2.341
#1	.0069	-0.098	4.367	.0513	.6531	6.684	.0038	.4463	1.287
#2	.0036	.0068	4.364	.0552	.6542	6.695	-.0036	.4435	1.277
#3	.0014	-0.153	4.372	.0507	.6574	6.697	-.0089	.4424	1.280
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2850.8	5808.0	43999.	3212.8					
Stddev	.8	3.6	127.	20.5					
%RSD	.02970	.06132	.28953	.63949					
#1	2850.3	5811.3	43995.	3214.6					
#2	2850.4	5808.4	43873.	3191.4					
#3	2851.8	5804.2	44128.	3232.4					

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Sample Name: FA32107-4 Acquired: 4/21/2016 17:12:48 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.010	218.2	0.277	6.134	0.020	15.54	-0.024	0.308	3.312
Stddev	.0004	1.0	.0023	.0020	.0003	.02	.0001	.0003	.0013
%RSD	36.07	4.656	8.384	.3179	17.24	.1313	2.925	1.037	4.013
#1	-0.006	218.7	0.292	.6130	.0016	15.54	-0.024	.0310	3.322
#2	-0.010	218.9	0.288	.6155	.0022	15.57	-0.024	.0304	3.297
#3	-0.013	217.1	0.250	.6117	.0021	15.53	-0.023	.0309	3.317
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.459	179.5	16.21	14.46	6.704	0.016	2.379	1.608	1.278
Stddev	.0001	.6	.16	.12	.0025	.0002	.028	.0012	.0036
%RSD	.3130	.3331	.9888	.8191	.3711	12.83	1.195	.7512	2.846
#1	.0461	179.6	16.39	14.59	6.719	.0015	2.361	1.616	1.319
#2	.0459	180.0	16.09	14.45	6.675	.0015	2.365	1.614	1.268
#3	.0458	178.9	16.15	14.35	6.717	.0019	2.412	1.594	1.269
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.014	-0.081	4.450	0.467	2.120	9.426	-0.022	4.783	1.444
Stddev	.0034	.0089	.006	.0014	.0011	.033	.0077	.0031	.0003
%RSD	246.4	110.1	1.379	2.975	5.111	35.45	353.9	6.482	2.043
#1	-0.019	.0022	4.454	.0482	.2131	9.453	.0067	4.819	1.446
#2	-0.044	-0.126	4.443	.0454	.2121	9.389	-.0068	4.761	1.441
#3	.0023	-0.138	4.453	.0467	.2110	9.437	-.0064	4.771	1.446
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2856.5	5840.4	44521.	3254.5					
Stddev	5.6	12.5	169.	6.8					
%RSD	.19444	.21414	.37867	.20779					
#1	2851.7	5826.4	44517.	3250.6					
#2	2862.6	5850.5	44691.	3250.7					
#3	2855.2	5844.2	44354.	3262.3					

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7.2
7

Sample Name: FA32107-7 Acquired: 4/21/2016 17:17:08 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.014	138.0	0.277	5.866	0.002	25.96	-0.012	0.246	2.518
Stddev	.0002	.5	.0030	.0038	.0001	.09	.0002	.0009	.0012
%RSD	16.26	3528	10.68	6.407	71.84	3.577	18.31	3.471	4.907
#1	.0017	137.6	0.287	5.827	.0000	26.01	-.0011	.0237	2.515
#2	.0013	137.9	0.244	5.902	.0002	25.85	-.0011	.0249	2.507
#3	.0013	138.5	0.301	5.868	.0003	26.01	-.0015	.0253	2.531
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.710	126.8	18.47	14.81	1.855	-0.015	2.047	1.117	5.281
Stddev	.0006	.5	.03	.16	.009	.0009	.024	.0004	.0050
%RSD	.8585	4.306	1.443	1.071	.5135	58.24	1.155	.3617	9.463
#1	.0707	126.5	18.48	14.85	1.865	-.0005	2.021	1.115	5.305
#2	.0706	126.4	18.45	14.94	1.845	-.0018	2.067	1.122	5.314
#3	.0717	127.4	18.50	14.63	1.854	-.0022	2.052	1.115	5.224
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.003	-0.046	4.177	0.444	3.129	5.804	-0.052	3.213	1.675
Stddev	.0007	.0059	.003	.0015	.0018	.020	.0090	.0006	.0009
%RSD	263.6	127.3	0.800	3.334	5.674	3.433	172.9	1.900	5.155
#1	.0000	-.0043	4.173	.0461	.3112	5.825	-.0049	3.219	1.670
#2	.0011	-.0011	4.180	.0435	.3127	5.786	-.0143	3.212	1.685
#3	-.0003	-.0107	4.176	.0436	.3148	5.801	.0036	3.207	1.669
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2859.5	5771.0	44255.	3237.4					
Stddev	4.6	7.9	240.	5.7					
%RSD	.16248	.13753	.54197	.17729					
#1	2854.9	5765.5	43978.	3238.0					
#2	2864.1	5780.1	44402.	3242.8					
#3	2859.5	5767.3	44385.	3231.3					

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Sample Name: FA32107-10 Acquired: 4/21/2016 17:21:28 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.000	285.6	0.327	3.577	0.050	95.90	0.003	0.701	4.273
Stddev	.0025	1.2	.0055	.013	.0003	.69	.0002	.0006	.0025
%RSD	1222.0	4.100	16.83	3.626	5.523	7.170	64.48	8.224	5.928
#1	.0013	285.5	.0384	3.571	.0047	95.73	.0001	.0694	4.290
#2	-.0029	284.5	.0274	3.569	.0052	95.32	.0004	.0704	4.284
#3	.0017	286.9	.0323	3.592	.0051	96.66	.0004	.0704	4.244
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3						

Sample Name: FA32107-13 Acquired: 4/21/2016 17:25:48 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	279.7	.0326	4.155	.0043	129.2	.0016	.0779	.3850
Stddev	.0052	.9	.0052	.013	.0003	.5	.0003	.0005	.0013
%RSD	18430.	.3321	15.99	.3060	7.799	.3585	21.46	.6353	.3360
#1	.0016	279.8	.0368	4.154	.0044	128.9	.0013	.0774	.3846
#2	.0042	280.6	.0341	4.168	.0047	129.7	.0020	.0784	.3864
#3	-.0058	278.7	.0268	4.143	.0040	128.9	.0016	.0780	.3839
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2734	227.8	20.90	29.68	9.287	.0021	2.562	.2767	2.411
Stddev	.0020	.6	.15	.34	.023	.0009	.038	.0013	.002
%RSD	.7410	.2451	.7082	1.135	.2500	42.62	1.470	.4548	.0716
#1	.2733	227.9	20.78	29.58	9.303	.0021	2.602	.2753	2.410
#2	.2755	228.3	21.06	30.05	9.297	.0030	2.556	.2773	2.409
#3	.2714	227.2	20.84	29.39	9.260	.0012	2.528	.2776	2.413
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0025	-.0019	5.232	.0520	1.687	8.367	-.0036	.5566	.3783
Stddev	.0052	.0040	.009	.0008	.005	.016	.0046	.0035	.0011
%RSD	203.9	210.4	.1659	1.607	.3230	.1848	128.4	.6241	.2902
#1	.0052	-.0045	5.232	.0517	1.688	8.361	-.0028	.5566	.3773
#2	-.0034	-.0038	5.223	.0513	1.692	8.384	.0006	.5601	.3781
#3	.0059	.0027	5.241	.0529	1.681	8.355	-.0085	.5532	.3795
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2819.8	5850.1	44382.	3229.8					
Stddev	7.6	7.4	132.	4.2					
%RSD	.27023	.12694	.29764	.13126					
#1	2817.2	5853.1	44316.	3227.6					
#2	2813.8	5841.6	44295.	3234.7					
#3	2828.4	5855.5	44534.	3227.2					

Sample Name: CRIA Acquired: 4/21/2016 17:30:07 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0096	.2325	.0092	.2155	.0048	1.121	.0052	.0546	.0105
Stddev	.0007	.0142	.0011	.0003	.0001	.011	.0000	.0002	.0002
%RSD	7.552	6.091	11.75	.1616	1.050	.9881	.7228	.3015	2.309
#1	.0089	.2161	.0094	.2159	.0048	1.114	.0052	.0548	.0103
#2	.0095	.2407	.0101	.2152	.0048	1.116	.0052	.0546	.0104
#3	.0103	.2406	.0080	.2156	.0047	1.134	.0052	.0545	.0108
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0283	.3230	11.12	5.418	.0164	.0495	10.70	.0431	.0046
Stddev	.0001	.0015	.05	.009	.0001	.0002	.03	.0003	.0002
%RSD	.2398	.4510	.4144	.1645	.3887	.4997	.2440	.6885	5.077
#1	.0282	.3231	11.15	5.408	.0164	.0498	10.68	.0435	.0043
#2	.0282	.3245	11.07	5.425	.0164	.0493	10.69	.0429	.0048
#3	.0283	.3216	11.14	5.421	.0165	.0494	10.73	.0431	.0047
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0047	.0091	.0131	.0548	.0101	.0095	.0106	.0493	.0230
Stddev	.0010	.0006	.0003	.0003	.0001	.0001	.0005	.0002	.0001
%RSD	21.75	6.534	2.224	.5232	.9527	8042	5.139	.3832	.5624
#1	.0058	.0084	.0129	.0551	.0101	.0094	.0105	.0495	.0231
#2	.0041	.0092	.0135	.0546	.0100	.0095	.0101	.0491	.0229
#3	.0041	.0096	.0130	.0546	.0102	.0095	.0112	.0492	.0229
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2883.0	5768.6	44021.	3169.7					
Stddev	4.9	12.0	183.	15.9					
%RSD	.17031	.20836	.41560	.50297					
#1	2879.7	5755.0	43861.	3175.5					
#2	2880.7	5772.9	44220.	3181.9					
#3	2888.7	5777.9	43981.	3151.6					

7.2
7

Sample Name: ICSA Acquired: 4/21/2016 17:34:31 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0003	F 525.3	-.0008	.0001	-.0005	F 515.1	-.0008	-.0005	-.0003
Stddev	.0002	5.0	.0004	.0004	.0001	4.3	.0000	.0002	.0002
%RSD	74.76	.9440	52.79	281.1	14.38	.8438	3.403	43.81	52.60
#1	-.0004	529.9	-.0011	.0003	-.0006	512.0	-.0009	-.0006	-.0005
#2	-.0000	526.0	-.0010	-.0003	-.0005	520.1	-.0009	-.0002	-.0002
#3	-.0005	520.1	-.0003	.0004	-.0004	513.2	-.0008	-.0006	-.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0002	191.1	.0619	F 536.5	-.0009	-.0011	.2631	.0002	-.0027
Stddev	.0002	.6	.0259	2.8	.0001	.0001	.0127	.0002	.0028
%RSD	106.4	.2980	41.89	.5154	7.486	11.54	4.816	102.6	101.7
#1	.0000	191.0	.0830	534.6	-.0008	-.0012	.2517	.0000	-.0052
#2	.0004	191.8	.0699	539.6	-.0009	-.0010	.2609	.0003	-.0032
#3	.0001	190.7	.0329	535.2	-.0009	-.0010	.2768	.0004	.0003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0005	-.0013	.0622	.0009	-.0004	-.0013	-.0021	.0000	-.0032
Stddev	.0008	.0053	.0009	.0005	.0001	.0001	.0025	.0001	.0002
%RSD	166.8	409.3	1.505	58.04	27.91	8.773	118.9	816.4	5.901
#1	.0014	-.0049	.0616	.0004	-.0003	-.0014	-.0044	.0002	-.0032
#2	.0004	.0047	.0633	.0014	-.0004	-.0012	-.0024	.0000	-.0034
#3	-.0003	-.0037	.0616	.0009	-.0006	-.0012	.0005	-.0001	-.0030
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2266.4	5077.3	37885.	2908.0					
Stddev	1.4	6.6	147.	22.5					
%RSD	.06135	.12951	.38744	.77538					
#1	2266.0	5084.4	37783.	2917.4					
#2	2265.3	5071.4	38054.	2882.3					
#3	2268.0	5076.1	37820.	2924.3					

Sample Name: CCV Acquired: 4/21/2016 17:39:07 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2524	41.38	1.971	2.084	2.013	41.93	1.999	2.015	2.009
Stddev	.0003	1.97	.003	.094	.090	2.05	.001	.001	.003
%RSD	.1362	4.755	.1366	4.514	4.469	4.887	.0233	.0444	.1684
#1	.2528	43.59	1.970	2.191	2.113	44.24	1.999	2.015	2.006
#2	.2524	39.82	1.969	2.014	1.939	40.34	1.999	2.014	2.009
#3	.2522	40.73	1.974	2.048	1.987	41.20	1.998	2.015	2.013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.040	39.79	43.64	41.17	2.010	1.999	41.41	1.993	1.982
Stddev									

Sample Name: CCV Acquired: 4/21/2016 17:39:07 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2580.9	5553.0	42599.	3120.3
Stddev	3.2	7.4	101.	141.9
%RSD	.12547	.13397	.23713	4.5467
#1	2581.1	5561.1	42655.	2962.5
#2	2577.6	5546.5	42660.	3237.2
#3	2584.1	5551.3	42483.	3161.2

Sample Name: CCB Acquired: 4/21/2016 17:43:19 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0006	.0084	-.0004	.0000	-.0002	.0156	.0000	-.0001	.0000
Stddev	.0007	.0084	.0004	.001	.0001	.0021	.000	.0003	.000
%RSD	129.4	99.31	100.4	64300.	82.37	13.61	733.9	264.3	1791.
#1	.0000	.0131	.0000	.0005	-.0002	.0149	.0000	.0000	.0001
#2	.0002	-.0012	-.0003	.0004	-.0003	.0180	.0000	.0001	-.0000
#3	.0014	.0134	-.0009	-.0009	.0000	.0140	-.0001	-.0004	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0001	.0050	.0084	.0102	-.0002	-.0001	.0453	-.0002	-.0005
Stddev	.0001	.0019	.0107	.0167	.0000	.0005	.0115	.0002	.0002
%RSD	171.0	37.99	127.3	163.1	2.518	335.7	25.37	120.3	34.01
#1	.0002	.0044	-.0038	-.0049	-.0002	.0003	.0480	-.0001	-.0005
#2	-.0001	.0071	.0132	.0281	-.0002	-.0001	.0326	-.0004	-.0006
#3	.0001	.0035	.0157	.0075	-.0002	-.0006	.0551	.0000	-.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	-.0001	.0001	.0029	.0000	-.0001	-.0006	-.0004	-.0004	.0006
Stddev	.0010	.0010	.0004	.000	.0001	.0001	.0006	.0002	.0000
%RSD	1071.	1534.	15.27	105.2	47.04	9.504	151.9	41.16	6.722
#1	.0010	.0010	.0031	.0000	-.0001	-.0006	-.0002	-.0002	.0006
#2	-.0009	.0003	.0024	-.0001	-.0001	-.0006	-.0011	-.0004	.0005
#3	-.0004	-.0010	.0031	.0000	-.0002	-.0007	.0001	-.0005	.0006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.2
7

Sample Name: CCB Acquired: 4/21/2016 17:43:19 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2992.4	5806.4	44707.	3160.9
Stddev	5.8	12.0	115.	17.5
%RSD	.19244	.20695	.25631	.55252
#1	2990.2	5803.5	44831.	3141.1
#2	2988.1	5796.2	44606.	3167.8
#3	2998.9	5819.7	44683.	3173.9

Sample Name: ICSAB Acquired: 4/21/2016 17:47:50 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	F 1.059	F 515.4	1.062	.5466	.5120	F 506.9	.9570	.4820	.5187
Stddev	.005	1.2	.004	.0017	.0034	5.3	.0013	.0006	.0009
%RSD	.4299	.2241	.3633	.3149	.6667	1.049	.1316	.1327	.1764
#1	1.064	516.7	1.059	.5467	.5106	500.8	.9574	.4825	.5178
#2	1.058	514.9	1.061	.5483	.5158	510.0	.9556	.4813	.5186
#3	1.055	514.6	1.066	.5448	.5094	510.1	.9580	.4823	.5196

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_2243)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.5584	189.2	.0105	F 524.6	.5098	.9555	.2403	.9465	.9598
Stddev	.0024	.9	.0514	2.5	.0006	.0006	.0070	.0017	.0021
%RSD	.4357	.4502	488.6	.4687	.1179	.0667	2.931	.1761	.2176
#1	.5612	189.1	-.0348	522.9	.5094	.9551	.2354	.9469	.9584
#2	.5566	190.1	.0663	527.4	.5096	.9552	.2484	.9447	.9622
#3	.5575	188.4	.0000	523.4	.5105	.9563	.2371	.9479	.9587

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	1.004	1.017	.0973	.9503	1.025	.9942	.9448	.4723	.9408
Stddev	.004	.002	.0004	.0015	.006	.0009	.0023	.0006	.0015
%RSD	.3794	.2169	.3687	.1551	.5857	.0951	.2425	.1295	.1573
#1	.9996	1.015	.0977	.9510	1.026	.9950	.9451	.4719	.9416
#2	1.007	1.019	.0971	.9486	1.031	.9932	.9424	.4720	.9391
#3	1.005	1.016	.0972	.9512	1.019	.9945	.9470	.4730	.9416

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2264.9	5126.5	38188.	2926.8
Stddev	3.3	2.9	74.	7.0
%RSD	.14464	.05627	.19330	.23802
#1	2264.6	5127.4	38257.	2934.8
#2	2261.8	5123.2	38110.	2922.4
#3	2268.3	5128.7	38196.	2923.1

Sample Name: CCV Acquired: 4/21/2016 17:52:16 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2576	42.31	1.989	2.132	2.047	42.97	2.022	2.047	2.052
Stddev	.0004	.37	.004	.015	.011	.24	.004	.004	.011
%RSD	.1716	.8721	.1911	.6826	.5469	.5687	.2214	.2117	.5169

#1	.2581	42.73	1.987	2.148	2.060	43.25	2.019	2.044	2.062
#2	.2575	42.09	1.987	2.120	2.042	42.80	2.019	2.044	2.054
#3	.2573	42.10	1.994	2.128	2.039	42.86	2.027	2.052	2.041

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.078	40.66	F 44.25	42.31	2.044	2.034	41.84	2.010	2.006
Stddev	.014	.29	.30	.25	.012	.004	.35	.004	.003
%RSD	.6683	.7217	.6747	.5903	.5906	.1723	.8438	.1813	.1659

#1	2.092	40.99	44.59	42.53	2.057	2.032	42.24	2.008	2.005
#2	2.064	40.58	44.09	42.36	2.040	2.033	41.62	2.007	2.004
#3	2.079	40.42	44.07	42.04	2.034	2.038	41.64	2.014	2.010

Check ? Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range 40.00 10.00%

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.012	2.028	1.438	2.068	2.044	2.019	2.018	1.997	1.986
Stddev	.004	.005	.004	.004	.014	.012	.007	.011	.004
%RSD	.1779	.2724	.2501	.1717	.6908	.5790	.3740	.5395	.1913

#1	2.008	2.023	1.436	2.066	2.060	2.032	2.017	2.009	1.984
#2	2.013	2.027	1.435	2.067	2.034	2.010	2.012	1.992	1.984
#3	2.014	2.034	1.442	2.072	2.037	2.014	2.026	1.990	1.991

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 4/21/2016 17:56:28 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0065	.0002	-0.004	-0.002	.0152	.0000	.0000	-0.002
Stddev	.0002	.0063	.0004	.0002	.0000	.0023	.000	.0000	.0001
%RSD	136.2	95.98	180.9	41.58	16.96	15.18	417.0	138.3	43.87

#1	.0001	.0109	-0.001	-0.004	-0.002	.0170	-0.001	.0000	-0.001
#2	-0.002	-0.006	.0001	-0.005	-0.002	.0161	.0000	.0001	-0.001
#3	-0.004	.0093	.0007	-0.002	-0.002	.0126	.0000	.0000	-0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	.0050	-0.0372	.0113	-0.003	.0001	.0249	-0.001	-0.003
Stddev	.0002	.0033	.0409	.0158	.0000	.0003	.0100	.0002	.0003
%RSD	69.45	65.91	109.9	140.3	3.337	435.0	40.13	252.9	100.3

#1	-0.001	.0074	.0098	.0274	-0.003	.0004	.0358	.0000	-0.001
#2	-0.003	.0065	-0.0644	-0.043	-0.003	.0001	.0226	-0.003	-0.007
#3	-0.004	.0012	-0.0570	.0108	-0.003	-0.002	.0162	.0000	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.0004	.0029	.0000	-0.001	-0.007	.0007	-0.004	.0006
Stddev	.0006	.0016	.0002	.000	.0001	.0001	.0003	.0000	.0000
%RSD	68.05	398.5	6.563	982.6	54.91	12.18	42.09	8.565	3.546

#1	.0006	.0016	.0031	-0.001	-0.001	-0.006	.0010	-0.004	.0007
#2	.0016	.0009	.0028	-0.004	-0.001	-0.007	.0008	-0.004	.0006
#3	.0005	-0.014	.0028	.0004	-0.002	-0.007	.0004	-0.004	.0006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCV Acquired: 4/21/2016 17:52:16 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2537.6	5474.1	41739.	3031.1
Stddev	2.5	9.1	153.	25.8
%RSD	.09965	.16689	.36689	.85219

#1	2539.9	5482.1	41570.	3002.1
#2	2534.9	5475.9	41778.	3039.6
#3	2538.0	5464.1	41868.	3051.6

Sample Name: CCB Acquired: 4/21/2016 17:56:28 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3002.1	5860.3	45355.	3217.4
Stddev	1.2	8.3	134.	6.3
%RSD	.03974	.14090	.29501	.19719

#1	3002.4	5865.9	45284.	3224.1
#2	3003.0	5864.2	45510.	3211.5
#3	3000.7	5850.8	45272.	3216.5

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000009	0.000000	No
Al 396.152 {85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000077	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 {74}	<input checked="" type="checkbox"/>	1	Fe	0.000005	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000082	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000000	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000011	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000130	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 {44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000010	0.000000	No
Na 589.592 {57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000041	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000117	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000025	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	0.000035	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000035	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	-0.000013	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000007	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	-0.000057	0.561894	0.000000	1.000000
Al 396.152 { 85}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.003008	0.222473	0.000000	1.000000
As 189.042 {478}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	-0.000531	0.160922	0.000000	1.000000
Ba 455.403 { 74}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.007256	7.943254	0.000000	1.000000
Be 313.042 {108}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.005190	10.961083	0.000000	1.000000
Ca 317.933 {106}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.007708	0.242231	0.000000	1.000000
Cd 226.502 {449}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	-0.000423	4.541384	0.000000	1.000000
Co 228.616 {447}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.000066	2.420898	0.000000	1.000000
Cr 267.716 {126}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.000014	0.526596	0.000000	1.000000
Cu 324.754 {104}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.006579	0.828321	0.000000	1.000000
Fe 259.940 {130}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.003646	0.156018	0.000000	1.000000
In 230.606 {446}*	4/21/2016 10:23:54	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	-0.011556	0.098642	0.000000	1.000000
Mg 279.079 {121}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	-0.000679	0.026328	0.000000	1.000000
Mn 257.610 {131}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.001981	2.775493	0.000000	1.000000
Mo 202.030 {467}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.002193	0.941880	0.000000	1.000000
Na 589.592 { 57}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	-0.010431	0.421334	0.000000	1.000000
Ni 231.604 {445}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.000237	1.476778	0.000000	1.000000
Pb 220.353 {453}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.000436	0.812729	0.000000	1.000000
Sb 206.833 {463}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.000709	0.219919	0.000000	1.000000
Se 196.090 {472}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	-0.000220	0.110550	0.000000	1.000000
Si 212.412 {459}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.003407	0.402978	0.000000	1.000000
Sn 189.989 {477}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.000547	0.348973	0.000000	1.000000
Sr 407.771 { 83}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.008350	15.077161	0.000000	1.000000
Ti 334.941 {101}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.004248	1.945698	0.000000	1.000000
Tl 190.856 {477}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	-0.001417	0.254369	0.000000	1.000000
V 292.402 {115}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	-0.000296	0.689780	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.001240	2.301569	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999999	0.000008	0.000391	0.001302	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999803	0.007128	0.009967	0.033222	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999778	0.000273	0.000855	0.002850	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999897	0.009186	0.000352	0.001172	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999940	0.009710	0.000081	0.000270	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999840	0.006977	0.004241	0.014137	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999967	0.002988	0.000049	0.000164	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999976	0.001355	0.000103	0.000344	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999961	0.000372	0.000260	0.000867	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999949	0.000669	0.000246	0.000821	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999916	0.003265	0.003305	0.011018	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999677	0.004038	0.037837	0.126124	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999792	0.000866	0.025261	0.084204	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999888	0.003341	0.000043	0.000144	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999997	0.000186	0.000149	0.000497	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999696	0.016733	0.009538	0.031795	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999982	0.000721	0.000173	0.000575	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999745	0.001485	0.000602	0.002007	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999821	0.000335	0.001022	0.003407	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999851	0.000154	0.001806	0.006022	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.978770	0.006796	0.000398	0.001328	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999944	0.000298	0.000335	0.001118	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999995	0.003736	0.000119	0.000395	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999981	0.000976	0.000107	0.000355	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999926	0.000250	0.001078	0.003594	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999998	0.000122	0.000252	0.000839	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999965	0.001547	0.000071	0.000238	OK	1.000000	0.000000	1	0

Accutest Laboratories SE Metals Digestion Log Water

POD
(M4/MS)

Method of digestion(circle one): SW846-3010A / SW846-3005A / EPA 200.7 / SM3030C

MP #: 30097
 Prep Date/Time (mm/dd/yy 24:00): 3/11/16 8:42
 HotBlock I.D. 5
 Thermometer I.D. 204
 Correction Factor (°C) -1
 Temperature Observed/Corrected (°C) 96, 95
 Added^B: HNO₃
 Lot# 1115080

Volume
 Spk. Sol. ^A Used(ml) Pipette #
ACC 920 | 0.50 | 10
ACC 894 | 0.25 | 10
MET 5330 | 0.25 | 10
 Dig. Tube Lot#: J2202104-261
HCL
4115050

Sample #	Initial Volume(ml)	pH<2	Final Volume(ml)	Comments
Method Blank(MB)	50.0	N/A	50.0	
Spike Blank(SB)		N/A		
Matrix Spike(MS)		✓		
Matrix Spike Dup(MSD)		✓		
Duplicate(DUP)		✓		
1 QC ^C FA32009-1 ^{D7}		✓		
2 ↓ B		✓		
3 FA32030-12F		✓		
4 ↓ 13F		✓		
5 FA32059-3 ↓		✓		
6 FA32064-1 3		✓		
7 FA32067-2F 7		✓		
8 ↓ 3F 7		✓		
9 FA32073-1 17		✓		
10 ↓ 3		✓		
11 ↓ 5		✓		
12 ↓ 8		✓		
13 ↓ 12 ↓		✓		
14 FA32072-23 1		✓		
15 FA32077-23 1		✓		
16 FA32084-14 1		✓		
17 FA31930-5 ↓		✓		
18 FA31998-10 ↓		✓		
19 FA32054-6 6		✓		
20 FA32106-13 1		✓		
21 ^E DI H2O CHECK NA	50.0	NA	50.0	
22 ^E				
23 ^E				3/11/16
24 ^E	DB			

Analyst: *Dan Ben*
 QC Review: *Ann*

Date: 3/11/16
 Date: 3-11-16

- A Used for SB, MS, MSD
- B For reagent volumes used consult SOP MET 103, current revision
- C Parent sample used to prepare MS, MSD, DUP
- D Bottle Number
- E Additional matrix QC

icpwaterdigestionlog091113.xls

Rev 01/20/10 DM

7.3.1
7

Dry sieve
DOD-MS

Accutest Laboratories SE Metals Digestion Log Soil

MP #: 30263

Method of Digestion: SW846-3050B

Prep Date/Time (mm/dd/yy 24:00): 4/21/16 8:30
 HotBlock I.D. 6974 CECW3279 Spk. Sol. ^A ACC 938 Volume Used(ml) 1.00 Pipette # 10
 Thermometer I.D. 213 ACC 924 0.50 10
 Correction Factor (°C) -1 Met 5377 0.50 10
 Temperature Observed/Corrected (°C) 91.90 Filter Lot#: 150928009
 Balance I.D. ADVPRO3 Dig. Tube Lot# 1504103
 Added ^B: H₂O₂ HNO₃ HCL PTFE Boiling Chips
 Lot# 157487 1115100 4115100 R203-SK012

Sample #	Wt., g	Final Volume(ml)	Comments
Method Blank(MB)	5.00	100.0	
Spike Blank(SB)	5.00		
Matrix Spike(MS)	5.12		
Matrix Spike Dup(MSD)	5.23		
Duplicate(DUP)	5.23		
1 QC ^C FA 31998-1 ^{D1}	5.33		
2 D2 = FA 31998-1	5.32		
3	4	5.18	
4	5	5.35	
5	11	5.12	
6	14	5.04	
7	15	5.20	
8	20	5.08	① 5.279 (DB) 4/21/16
9	23	5.08	
10	26	5.40	
11 FA 32106-1	5.23		
12	4	5.07	
13	7	5.04	
14	10	5.14	
15 FA 32107-1	5.22		
16	4	5.32	
17	7	5.15	
18	10	5.06	
19	13	5.13	
20			
21 ^E			4/21/16
22 ^E			
23 ^E			
24 ^E			DB

Analyst: [Signature] Date: 4/21/16
 QC Review: [Signature] Date: 4.21.16

A Used for SB, MS, MSD
 B For reagent volumes used consult SOP MET 104, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional Matrix QC

icsoildigestionlog012010.xls

Rev 01/20/10 DM

7.3.2
7

SGS ACCUTEST IS PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.



*e-Hardcopy 2.0
Automated Report*

Technical Report for

Kemron Environmental Services, Inc

Ft Ord; CA

07202.2001

SGS Accutest Job Number: FA32107

Sampling Date: 03/07/16

Report to:

Kemron Environmental Services, Inc
4522 Joe Lloyd Way
Monterey, CA 93944
emiddleditch@gilbaneco.com

ATTN: Eric Middleditch

Total number of pages in report: 241



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Sue Bell 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001)
DoD ELAP (L-A-B L2229), CA (2937), TX (T104704404), PA (68-03573), VA (460177),
AK, AR, GA, KY, MA, NV, OK, UT, WA

This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.
Test results relate only to samples analyzed.

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Sample Summary

Kemron Environmental Services, Inc

Job No: FA32107

Ft Ord; CA

Project No: 07202.2001

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
FA32107-1	03/07/16	09:10	TWRP 03/09/16	SO	Soil	07-01SC0000
FA32107-4	03/07/16	10:15	TWRP 03/09/16	SO	Soil	07-12SC0000
FA32107-7	03/07/16	12:50	TWRP 03/09/16	SO	Soil	07-02SC0000
FA32107-10	03/07/16	14:35	TWRP 03/09/16	SO	Soil	07-13SC0000
FA32107-13	03/07/16	09:16	TWRP 03/09/16	SO	Soil	07-14SC0000
FA32107-16	03/07/16	10:03	TWRP 03/09/16	SO	Soil	07-03SC0000
FA32107-19	03/07/16	14:10	TWRP 03/09/16	SO	Soil	07-06SC0000
FA32107-22	03/07/16	14:50	TWRP 03/09/16	SO	Soil	07-20SC0000
FA32107-23	03/07/16	14:50	TWRP 03/09/16	SO	Soil	07-20SC0000Q
FA32107-28	03/07/16	16:10	TWRP 03/09/16	AQ	Equipment Blank	07-ER11SC

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

2

Client: Kemron Environmental Services, Inc

Job No: FA32107

Site: Ft Ord; CA

Report Date: 4/25/2016 2:42:46 PM

10 Sample(s) were collected on 03/07/2016 and were received at SGS Accutest Southeast (SASE) on 03/09/2016 properly preserved, at 4.6 Deg. C and intact. These Samples received an SASE job number of FA32107. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix: AQ

Batch ID: MP30113

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA32212-1DUP, FA32212-1MS, FA32212-1MSD, FA32212-1PS, FA32212-1SDL were used as the QC samples for metals.

Matrix: SO

Batch ID: MP30263

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA31998-1DUP, FA31998-1MS, FA31998-1MSD, FA31998-1SDL, FA31998-1PS were used as the QC samples for metals.

Matrix Spike Duplicate Recovery(s) for Lead are outside control limits. Probable cause is due to matrix interference.

MP30263-PS1 for Lead: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

Matrix: SO

Batch ID: MP30269

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA32107-16DUP, FA32107-16MSD, FA32107-16SDL, FA32107-16PS were used as the QC samples for metals.

Matrix Spike/Matrix Spike Duplicate Recovery(s) for Lead are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MP30269-PS1 for Lead: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Kim Benham, Client Services (signature on file)

Date: April 25, 2016

Monday, April 25, 2016

Page 1 of 1

Summary of Hits

Job Number: FA32107
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 03/07/16



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA32107-1	07-01SC0000					
Lead		26.1	1.9	0.38	mg/kg	SW846 6010C
FA32107-4	07-12SC0000					
Lead		2.4	1.9	0.38	mg/kg	SW846 6010C
FA32107-7	07-02SC0000					
Lead		10.3	1.9	0.39	mg/kg	SW846 6010C
FA32107-10	07-13SC0000					
Lead		62.4	2.0	0.40	mg/kg	SW846 6010C
FA32107-13	07-14SC0000					
Lead		47.0	1.9	0.39	mg/kg	SW846 6010C
FA32107-16	07-03SC0000					
Lead		108	1.9	0.39	mg/kg	SW846 6010C
FA32107-19	07-06SC0000					
Lead		73.5	2.0	0.39	mg/kg	SW846 6010C
FA32107-22	07-20SC0000					
Lead		126	1.9	0.39	mg/kg	SW846 6010C
FA32107-23	07-20SC0000Q					
Lead		31.7	1.9	0.38	mg/kg	SW846 6010C
FA32107-28	07-ER11SC					

No hits reported in this sample.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: 07-01SC0000	
Lab Sample ID: FA32107-1	Date Sampled: 03/07/16
Matrix: SO - Soil	Date Received: 03/09/16
	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.1
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	26.1	1.9	0.38	0.096	mg/kg	5	04/21/16	04/21/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13104

(2) Prep QC Batch: MP30263

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 07-12SC0000	Date Sampled: 03/07/16
Lab Sample ID: FA32107-4	Date Received: 03/09/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.2
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.4	1.9	0.38	0.094	mg/kg	5	04/21/16	04/21/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13104

(2) Prep QC Batch: MP30263

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 07-02SC0000	Date Sampled: 03/07/16
Lab Sample ID: FA32107-7	Date Received: 03/09/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.3
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	10.3	1.9	0.39	0.097	mg/kg	5	04/21/16	04/21/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13104

(2) Prep QC Batch: MP30263

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 07-13SC0000	Date Sampled: 03/07/16
Lab Sample ID: FA32107-10	Date Received: 03/09/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.4
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	62.4	2.0	0.40	0.099	mg/kg	5	04/21/16	04/21/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13104

(2) Prep QC Batch: MP30263

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 07-14SC0000	
Lab Sample ID: FA32107-13	Date Sampled: 03/07/16
Matrix: SO - Soil	Date Received: 03/09/16
	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.5
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	47.0	1.9	0.39	0.097	mg/kg	5	04/21/16	04/21/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13104

(2) Prep QC Batch: MP30263

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 07-03SC0000	
Lab Sample ID: FA32107-16	Date Sampled: 03/07/16
Matrix: SO - Soil	Date Received: 03/09/16
	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.6
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	108	1.9	0.39	0.097	mg/kg	5	04/22/16	04/22/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13106

(2) Prep QC Batch: MP30269

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 07-06SC0000	Date Sampled: 03/07/16
Lab Sample ID: FA32107-19	Date Received: 03/09/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.7
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	73.5	2.0	0.39	0.098	mg/kg	5	04/22/16	04/22/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13106

(2) Prep QC Batch: MP30269

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 07-20SC0000	Date Sampled: 03/07/16
Lab Sample ID: FA32107-22	Date Received: 03/09/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.8
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	126	1.9	0.39	0.097	mg/kg	5	04/22/16	04/22/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13106

(2) Prep QC Batch: MP30269

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 07-20SC0000Q	
Lab Sample ID: FA32107-23	Date Sampled: 03/07/16
Matrix: SO - Soil	Date Received: 03/09/16
	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.9
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	31.7	1.9	0.38	0.096	mg/kg	5	04/22/16	04/22/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13106

(2) Prep QC Batch: MP30269

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 07-ER11SC	Date Sampled: 03/07/16
Lab Sample ID: FA32107-28	Date Received: 03/09/16
Matrix: AQ - Equipment Blank	Percent Solids: n/a
Project: Ft Ord; CA	

4.10
4

Total Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.0 U	5.0	2.0	1.1	ug/l	1	03/15/16	03/15/16 LM	SW846 6010C ¹	SW846 3010A ²

(1) Instrument QC Batch: MA13033

(2) Prep QC Batch: MP30113

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Misc. Forms**5****Custody Documents and Other Forms**

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # RP-030716-01



FA32107

Project Name: Fort Ord	EDVHZLGH 5 DQJH \$ VHV P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001		Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: -	\$ 5 \$	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method	SW6330B - Explosives	SW6010C - Lead	SW6330B - Explosives by ISM	SW6010C - Lead by ISM	Code	Matrix
							SO	SOIL
							WQ	WATER QUALITY CONTROL MATRIX
							Code	Container/Preservative
							2	2" 1L amber, 4 degrees C
							1	1" 1.0-1.5 kilogram bag
							13	1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016										
Sample ID	Matrix	Date	Time	Samp Init.				Location ID	Sample Type	Depth (ft bgs) Top - Bottom
① 07-01SC0000	SO	3/7/16	0910	TW			X	07-01	N1	0.0 0.5
② 07-01SC0001	SO	3/7/16	0925	TW			X	07-01	N1	1.0 1.5 HOLD
③ 07-01SC0002	SO	3/7/16	0945	TW			X	07-01	N1	2.0 2.5 HOLD
④ 07-12SC0000	SO	3/7/16	1015	TW			X	07-12	N1	0.0 0.5
⑤ 07-12SC0001	SO	3/7/16	1030	TW			X	07-12	N1	1.0 1.5 HOLD
⑥ 07-12SC0002	SO	3/7/16	1220	TW			X	07-12	N1	2.0 2.5 HOLD
⑦ 07-02SC0000	SO	3/7/16	1250	TW			X	07-02	N1	0.0 0.5
⑧ 07-02SC0001	SO	3/7/16	1305	TW			X	07-02	N1	1.0 1.5 HOLD
⑨ 07-02SC0002	SO	3/7/16	1325	TW			X	07-02	N1	2.0 2.5 HOLD

3' ~~DEPTH~~
4.5' ~~DEPTH~~

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>M. Leonard</i>	3/8/16	1500	FEDEX	3/8/16	1500	3/8/16 FEDEX 8088 8717 3497
<i>T. Wether</i>	3/8/16	1500				
						Received by Laboratory: (Signature, Date, Time) & condition

5.1
5

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # **RP-080716-02**



FA32107

Project Name: Fort Ord	D V H Z L G H 5 D Q J H S V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001		Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: -	5 5	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:

Equipment:

Analytical Test Method	Code	Matrix
SW6330B - Explosives	SO	SOIL
SW6010C - Lead	WQ	WATER QUALITY CONTROL MATRIX
SW6330B - Explosives by ISM	Code	Container/Preservative
SW6010C - Lead by ISM	2	2' IL amber, 4 degrees C
	1	1' 1.0-1.5 kilogram bag
	13	1' 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016

Sample ID	Matrix	Date	Time	Samp Init.	SW6330B - Explosives	SW6010C - Lead	SW6330B - Explosives by ISM	SW6010C - Lead by ISM	Location ID	Sample Type	Depth (ft bgs)		
											Top	Bottom	
1	SO	3/7/16	1435	TW				X	07-13	N1	0.0	0.5	
2	SO	3/7/16	1450	TW				X	07-13	N1	1.0	1.5	HOLD
3	SO	3/7/16	1505	TW				X	07-13	N1	2.0	2.5	HOLD
4	SO	3/7/16	0916	RP				X	07-14	N1	0.0	0.5	
5	SO	3/7/16	0930	RP				X	07-14	N1	1.0	1.5	HOLD
6	SO	3/7/16	0942	RP				X	07-14	N1	2.0	2.5	HOLD
7	SO	3/7/16	10:03	RP				X	07-03	N1	0.0	0.5	
8	SO	3/7/16	1015	RP				X	07-03	N1	1.0	1.5	HOLD
9	SO	3/7/16	1031	RP				X	07-03	N1	2.0	2.5	HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
Ullmond	3/8/16	1500	FEDEX	3/8/16	1500	3/8/16 FEDEX 8888717 3497
Tiwatch	3/8/16	1500				
Received by Laboratory: (Signature, Date, Time) & condition						

5.1
5

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # RP-030716-03



FA32107

Project Name: Fort Ord D V H Z L G H 5 D Q J H \$ V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method	SW8330B - Explosives	SW6010C - Lead	SW8330B - Explosives by ISM	SW6010C - Lead by ISM	Code	Matrix
							SO	SOIL
							WQ	WATER QUALITY CONTROL MATRIX
							Code	Container/Preservative
							2	2" 1L amber, 4 degrees C
							1	1" 1.0-1.5 kilogram bag
							13	1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016

Sample ID	Matrix	Date	Time	Samp Init.	SW8330B	SW6010C	SW8330B	SW6010C	Location ID	Sample Type	Depth (ft bgs)		
											Top	Bottom	
1	SO	3/7/16	1410	RP					07-06	NI	0.0	0.5	
2	SO	3/7/16	1421	RP					07-06	NI	1.0	1.5	HOLD
3	SO	3/7/16	1434	RP					07-06	NI	2.0	2.5	HOLD
4	SO	3/7/16	1450	RP					07-20	NI	0.0	0.5	
5	SO	3/7/16	1450	RP					07-20	FD	0.0	0.5	HOLD
6	SO	3/7/16	1505	RP					07-20	NI	1.0	1.5	HOLD
7	SO	3/7/16	1505	RP					07-20	FD	1.0	1.5	HOLD
8	SO	3/7/16	1520	RP					07-20	NI	2.0	2.5	HOLD
9	SO	3/7/16	1520	RP					07-20	FD	2.0	2.5	HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
M. Leona	3/8/16	1505	FEDEX	3/8/16	1530	3/8/16 FEDEX 8088 817 3497
T. Keith	3/8/16	1520				
Received by Laboratory: (Signature, Date, Time) & condition						

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CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # RP-030716-04



FA32107

Project Name: Fort Ord $\$ D V H Z L G H$ $5 D Q J H$ $\$ V V H V P$	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - $\$ 5 \$$	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW8330B - Explosives SW6010C - Lead SW8330B - Explosives by ISM SW6010C - Lead by ISM	Code Matrix	
			<table border="1"> <tr><td>SO</td><td>SOIL</td></tr> <tr><td>WQ</td><td>WATER QUALITY CONTROL MATRIX</td></tr> </table>	SO
SO	SOIL			
WQ	WATER QUALITY CONTROL MATRIX			
			Code Container/Preservative	
			2 2" 1L amber, 4 degrees C	
			1 1" 1.0-1.5 kilogram bag	
			13 1" 250ml poly, with HNO3	

Event ID: Basewide Range Assessment Spring 2016

Sample ID	Matrix	Date	Time	Samp Init.	Location ID	Sample Type	Depth (ft bgs) Top - Bottom
1 07-ER11SC	WQ	3/7/16	1610	X	Field QC	EB	NA NA
2							
3							
4							
5							
6							
7							
8							
9							

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	3/8/16	1500	Feel EA	3/8/16	1500	3/8/16/FedEx 8086 8917 3497
<i>[Signature]</i>	3/8/16	1520				

ENV.COC_Record July 06, 2015

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ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA32107 CLIENT: Gilbane PROJECT: Fort Ord
 DATE/TIME RECEIVED: 3/9/16 1045 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 2
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER DELIVERY OTHER: _____
 AIRBILL NUMBERS: 8088 8917 3497

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM _____ 5-GRAM _____
 NUMBER OF 5035 FIELD KITS ? _____
 NUMBER OF LAB FILTERED METALS ? _____
 TEST STRIP LOT#s pH 0-3 204413A
 SUMMARY OF COMMENTS: _____

TEMPERATURE INFORMATION

- IR THERM ID 1 CORR. FACTOR +0.2
- OBSERVED TEMPS: 4.4, 4.4
- CORRECTED TEMPS: 4.6, 4.6 (USED FOR LIMS)

SAMPLE INFORMATION

- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- % SOLIDS JAR NOT RECEIVED
- RESIDUAL CHLORINE PRESENT LOT# _____

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

OTHER (specify) _____

TECHNICIAN SIGNATURE/DATE [Signature] 3/10/16 REVIEWER SIGNATURE/DATE [Signature] 3/10/16
 NF 11/15 receipt confirmation 111015.xls

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QC Evaluation: DOD QSM5 Limits

Job Number: FA32107
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 03/07/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MP30113 SW846 6010C							
MP30113-B1	7439-92-1	Lead	BSP	REC	106	%	86-113
MP30113-S1*	7439-92-1	Lead	MS	REC	104.8	%	86-113
MP30113-S2*	7439-92-1	Lead	MSD	REC	103.8	%	86-113
MP30113-S2*	7439-92-1	Lead	MSD	RPD	1	%	20
MP30113-D1*	7439-92-1	Lead	DUP	RPD	0	%	20
MP30263 SW846 6010C							
MP30263-B1	7439-92-1	Lead	BSP	REC	101	%	81-112
MP30263-S1*	7439-92-1	Lead	MS	REC	92	%	81-112
MP30263-S2*	7439-92-1	Lead	MSD	REC	167.4 ^a	%	81-112
MP30263-S2*	7439-92-1	Lead	MSD	RPD	5.4	%	20
MP30263-D1*	7439-92-1	Lead	DUP	RPD	3.4	%	20
MP30263-D2*	7439-92-1	Lead	DUP	RPD	14.4	%	20
MP30269 SW846 6010C							
MP30269-B1	7439-92-1	Lead	BSP	REC	100	%	81-112
MP30269-S1	7439-92-1	Lead	MS	REC	52.3 ^b	%	81-112
MP30269-S2	7439-92-1	Lead	MSD	REC	164.2 ^a	%	81-112
MP30269-S2	7439-92-1	Lead	MSD	RPD	9.3	%	20
MP30269-D1	7439-92-1	Lead	DUP	RPD	5.4	%	20
MP30269-D2	7439-92-1	Lead	DUP	RPD	.9	%	20

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

* Sample used for QC is not from job FA32107

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5

Metals Analysis

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QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32107
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031516M1.ICP Date Analyzed: 03/15/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13033
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:55	MA13033-STD1	1		STDA
09:58	MA13033-STD2	1		STDB
10:03	MA13033-STD3	1		STDC
10:06	MA13033-STD4	1		STDD
10:11	MA13033-HSTD1	1		
10:19	MA13033-ICV1	1		
10:28	MA13033-ICB1	1		
10:33	MA13033-CR1A1	1		
10:42	MA13033-ICSA1	1		
10:47	MA13033-ICSAB1	1		
10:55	MA13033-CCV1	1		
11:02	MA13033-CCB1	1		
11:06	ZZZZZZ	10		
11:11	FA32154-4	10		(sample used for QC only; not part of login FA32107)
11:15	MP30110-D1	10		
11:19	MP30110-S1	10		
11:24	MP30110-S2	10		
11:28	MP30110-PS1	10		
11:37	MP30110-SD1	50		
11:41	MP30113-MB1	1		
11:45	MP30113-B1	1		
11:50	FA32212-1	1		(sample used for QC only; not part of login FA32107)
11:54	MA13033-CCV2	1		
11:58	MA13033-CCB2	1		
12:03	MP30113-D1	1		
12:07	MP30113-SD1	5		
12:12	MP30113-PS1	1		
12:16	MP30113-S1	1		
12:20	MP30113-S2	1		
12:29	ZZZZZZ	10		
12:33	ZZZZZZ	4		
12:38	ZZZZZZ	1		
12:42	FA32107-28	1		
----->	Last reportable sample/prep for job FA32107			

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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32107
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031516M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 03/15/16
Run ID: MA13033
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:47	MA13033-CCV3	1		
12:51	MA13033-CCB3	1		
12:55	ZZZZZZ	1		
13:00	ZZZZZZ	1		
13:05	ZZZZZZ	1		
13:09	ZZZZZZ	1		
13:13	ZZZZZZ	1		
13:18	ZZZZZZ	1		
13:22	ZZZZZZ	1		
13:27	ZZZZZZ	1		
13:31	ZZZZZZ	1		
13:36	ZZZZZZ	1		
13:40	MA13033-CCV4	1		
13:44	MA13033-CCB4	1		
13:49	ZZZZZZ	1		
13:53	ZZZZZZ	1		
14:02	ZZZZZZ	1		
14:07	MP30118-MB1	1		
14:11	MP30118-B1	1		
14:15	FA32083-1	2		(sample used for QC only; not part of login FA32107)
14:20	MP30118-D1	2		
14:34	MA13033-CCV5	1		
14:38	MA13033-CCB5	1		
14:42	MP30118-S1	2		
14:50	MP30118-S2	2		
14:54	FA32086-2	2		(sample used for QC only; not part of login FA32107)
14:59	MP30118-D2	2		
15:04	MP30118-SD2	10		
15:08	MP30118-PS2	2		
15:13	MP30118-S3	2		
15:17	MP30118-S4	2		
15:22	ZZZZZZ	2		
15:26	ZZZZZZ	2		

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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32107
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031516M1.ICP Date Analyzed: 03/15/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13033
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:31	MA13033-CCV6	1		
15:35	MA13033-CCB6	1		
15:39	ZZZZZZ	2		
15:44	ZZZZZZ	2		
15:49	ZZZZZZ	2		
15:53	ZZZZZZ	2		
15:58	ZZZZZZ	2		
16:03	ZZZZZZ	2		
16:07	ZZZZZZ	2		
16:12	ZZZZZZ	2		
16:16	ZZZZZZ	2		
16:21	ZZZZZZ	2		
16:26	MA13033-CCV7	1		
16:30	MA13033-CCB7	1		
16:34	ZZZZZZ	2		
16:39	ZZZZZZ	2		
16:44	ZZZZZZ	2		
16:48	ZZZZZZ	2		
16:53	ZZZZZZ	2		
16:57	ZZZZZZ	2		
17:02	MA13033-CRIA2	1		
17:06	MA13033-ICSA2	1		
17:11	MA13033-ICSAB2	1		
17:15	MA13033-CCV8	1		
17:20	MA13033-CCB8	1		

-----> Last reportable CCB for job FA32107
Refer to raw data for calibration curve and standards.

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INTERNAL STANDARD SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031516M1.ICP Date Analyzed: 03/15/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13033
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:55	MA13033-STD1	5289	41128	4172	2651
09:58	MA13033-STD2	5244	40588	4188	2522
10:03	MA13033-STD3	5071	39574	4142	2331
10:06	MA13033-STD4	4852	38163	4021	2158
10:11	MA13033-HSTD1	4911	38847	4051	2184
10:19	MA13033-ICV1	5043	39400	4062	2322
10:28	MA13033-ICB1	5278 R	40934 R	4071 R	2654 R
10:33	MA13033-CR1A1	5296	40821	4083	2598
10:42	MA13033-ICSA1	4744	36317	3916	2113
10:47	MA13033-ICSAB1	4691	36200	3892	2066
10:55	MA13033-CCV1	5025	39398	4083	2333
11:02	MA13033-CCB1	5204	40666	4124	2629
11:06	ZZZZZZ	5361	41707	4314	2525
11:11	FA32154-4	5891	45903	4685	2571
11:15	MP30110-D1	6049	47261	4791	2606
11:19	MP30110-S1	5997	46345	4716	2533
11:24	MP30110-S2	6046	46903	4763	2545
11:28	MP30110-PS1	5956	46256	4633	2589
11:37	MP30110-SD1	5434	42464	4288	2628
11:41	MP30113-MB1	5199	41196	4114	2608
11:45	MP30113-B1	4967	38854	3986	2361
11:50	FA32212-1	5013	39483	4020	2457
11:54	MA13033-CCV2	5011	39247	4028	2304
11:58	MA13033-CCB2	5262	41111	4184	2630
12:03	MP30113-D1	5041	39723	4072	2464
12:07	MP30113-SD1	5215	40672	4170	2597
12:12	MP30113-PS1	5015	39488	4076	2415
12:16	MP30113-S1	4999	38981	4025	2320
12:20	MP30113-S2	5018	39461	4050	2338
12:29	ZZZZZZ	5001	39003	4021	2423
12:33	ZZZZZZ	4984	39047	4056	2433
12:38	ZZZZZZ	5155	41105	4137	2553
12:42	FA32107-28	5120	40617	4117	2525

6.1.1
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INTERNAL STANDARD SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031516M1.ICP Date Analyzed: 03/15/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13033
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:47	MA13033-CCV3	5043	39481	4088	2326
12:51	MA13033-CCB3	5231	40581	4076	2618
12:55	ZZZZZZ	5073	39674	4075	2478
13:00	ZZZZZZ	5081	40017	4085	2490
13:05	ZZZZZZ	4877	38127	3989	2328
13:09	ZZZZZZ	5087	39575	4047	2485
13:13	ZZZZZZ	5172	40726	4113	2543
13:18	ZZZZZZ	5170	40537	4121	2560
13:22	ZZZZZZ	5060	39407	4073	2440
13:27	ZZZZZZ	5074	39681	4112	2490
13:31	ZZZZZZ	5135	40256	4088	2528
13:36	ZZZZZZ	5089	39968	4111	2466
13:40	MA13033-CCV4	5027	39379	4044	2321
13:44	MA13033-CCB4	5226	41096	4140	2622
13:49	ZZZZZZ	5092	40082	4122	2507
13:53	ZZZZZZ	5075	39775	4097	2482
14:02	ZZZZZZ	5723	44890	4588	2453
14:07	MP30118-MB1	5175	40834	4120	2611
14:11	MP30118-B1	5059	39603	4055	2401
14:15	FA32083-1	5906	46270	4763	2387
14:20	MP30118-D1	5951	46348	4795	2381
14:34	MA13033-CCV5	4949	38735	3962	2284
14:38	MA13033-CCB5	5233	40665	4098	2620
14:42	MP30118-S1	6016	46951	4852	2316
14:50	MP30118-S2	6034	46927	4839	2318
14:54	FA32086-2	5850	45946	4691	2357
14:59	MP30118-D2	5829	45957	4768	2352
15:04	MP30118-SD2	5387	42151	4317	2526
15:08	MP30118-PS2	5826	45583	4742	2347
15:13	MP30118-S3	5922	46538	4841	2302
15:17	MP30118-S4	5755	45426	4716	2326
15:22	ZZZZZZ	6143	48752	5032	2355
15:26	ZZZZZZ	6061	47760	4920	2375

INTERNAL STANDARD SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031516M1.ICP Date Analyzed: 03/15/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13033
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:31	MA13033-CCV6	4996	39516	4063	2306
15:35	MA13033-CCB6	5210	40290	4177	2607
15:39	ZZZZZZ	6120	48042	4921	2364
15:44	ZZZZZZ	5800	45423	4652	2371
15:49	ZZZZZZ	5836	46403	4782	2350
15:53	ZZZZZZ	6021	47869	4987	2371
15:58	ZZZZZZ	5821	46146	4817	2386
16:03	ZZZZZZ	5966	47351	4900	2351
16:07	ZZZZZZ	5847	46516	4796	2372
16:12	ZZZZZZ	5982	47477	4906	2351
16:16	ZZZZZZ	5955	47038	4826	2378
16:21	ZZZZZZ	5835	46456	4815	2394
16:26	MA13033-CCV7	4961	39540	4094	2292
16:30	MA13033-CCB7	5285	41810	4182	2648
16:34	ZZZZZZ	6218	49694	5122 !	2349
16:39	ZZZZZZ	5984	47684	4933	2342
16:44	ZZZZZZ	5951	47185	4881	2404
16:48	ZZZZZZ	6002	47676	4904	2416
16:53	ZZZZZZ	5936	47079	4852	2354
16:57	ZZZZZZ	5994	48156	5013	2370
17:02	MA13033-CRIA2	5208	41399	4226	2584
17:06	MA13033-ICSA2	4644	36427	3888	2073
17:11	MA13033-ICSAB2	4637	36373	3852	2043
17:15	MA13033-CCV8	5022	39962	4099	2322
17:20	MA13033-CCB8	5239	41335	4159	2626

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

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BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031516M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/15/16
 Run ID: MA13033

Methods: SW846 6010C
 Units: ug/l

Metal	RL	IDL	Time:							
			Sample ID:	10:28	11:02	11:58	12:51			
			ICB1	CCB1	CCB2	CCB3				
			raw	raw	raw	raw	final	final	final	final
Aluminum	200	14	anr							
Antimony	6.0	1	anr							
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2								
Cadmium	5.0	.2	anr							
Calcium	1000	50								
Chromium	10	1	anr							
Cobalt	50	.2								
Copper	25	1	anr							
Iron	300	17	anr							
Lead	5.0	1	-0.40	<5.0	-0.50	<5.0	-0.30	<5.0	-0.30	<5.0
Magnesium	5000	35								
Manganese	15	.5	anr							
Molybdenum	50	.3								
Nickel	40	.4								
Potassium	10000	200								
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.1								
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5								
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

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BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031516M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/15/16
 Run ID: MA13033

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	13:44 CCB4		14:38 CCB5		15:35 CCB6		16:30 CCB7	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14	anr							
Antimony		6.0	1	anr							
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2								
Cadmium		5.0	.2	anr							
Calcium		1000	50								
Chromium		10	1	anr							
Cobalt		50	.2								
Copper		25	1	anr							
Iron		300	17	anr							
Lead		5.0	1	-0.10	<5.0	-0.50	<5.0	-0.90	<5.0	-0.60	<5.0
Magnesium		5000	35								
Manganese		15	.5	anr							
Molybdenum		50	.3								
Nickel		40	.4								
Potassium		10000	200								
Selenium		10	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500	anr							
Strontium		10	.5								
Thallium		10	1.1								
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031516M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/15/16
 Run ID: MA13033

Methods: SW846 6010C
 Units: ug/l

Time:			17:20	
Sample ID:	RL	IDL	CCB8	
Metal			raw	final
Aluminum	200	14	anr	
Antimony	6.0	1	anr	
Arsenic	10	1.3	anr	
Barium	200	1	anr	
Beryllium	4.0	.2		
Cadmium	5.0	.2	anr	
Calcium	1000	50		
Chromium	10	1	anr	
Cobalt	50	.2		
Copper	25	1	anr	
Iron	300	17	anr	
Lead	5.0	1	-0.40	<5.0
Magnesium	5000	35		
Manganese	15	.5	anr	
Molybdenum	50	.3		
Nickel	40	.4		
Potassium	10000	200		
Selenium	10	2.4	anr	
Silver	10	.7	anr	
Sodium	10000	500	anr	
Strontium	10	.5		
Thallium	10	1.1		
Tin	50	.9		
Titanium	10	.5		
Vanadium	50	.5		
Zinc	20	3	anr	

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32107
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031516M1.ICP Date Analyzed: 03/15/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13033 Units: ug/l

Metal	Time: Sample ID: ICV True	10:19		CCV True	10:55		CCV True	11:54	
		ICV1 Results	% Rec		CCV1 Results	% Rec		CCV2 Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	2000	2000	100.0	2000	2010	100.5	2000	2030	101.5
Magnesium									
Manganese	anr								
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32107
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031516M1.ICP Date Analyzed: 03/15/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13033 Units: ug/l

Metal	Time: Sample ID: CCV True	12:47 CCV3		CCV True	13:40 CCV4		CCV True	14:34 CCV5	
		Results	% Rec		Results	% Rec		Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	2000	2020	101.0	2000	2010	100.5	2000	2050	102.5
Magnesium									
Manganese	anr								
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32107
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031516M1.ICP Date Analyzed: 03/15/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13033 Units: ug/l

Metal	Time: Sample ID: CCV True	15:31 CCV6		CCV True	16:26 CCV7		CCV True	17:15 CCV8	
		Results	% Rec		Results	% Rec		Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	2000	2010	100.5	2000	2020	101.0	2000	1980	99.0
Magnesium									
Manganese	anr								
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031516M1.ICP Date Analyzed: 03/15/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13033 Units: ug/l

Time:	10:11		
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium	anr		
Calcium			
Chromium	anr		
Cobalt			
Copper	anr		
Iron	anr		
Lead	4000	3980	99.5
Magnesium			
Manganese	anr		
Molybdenum			
Nickel			
Potassium			
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA031516M1.ICP Date Analyzed: 03/15/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13033 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	10:33 CRIA1 Results	% Rec	17:02 CRIA2 Results	% Rec
Metal						
Aluminum	400	200	anr			
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0	anr			
Calcium	2000	1000				
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	4.8	96.0	4.5	90.0
Magnesium	10000	5000				
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000				
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA32107
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA031516M1.ICP Date Analyzed: 03/15/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13033 Units: ug/l

Time:	10:42	10:47	17:06	17:11						
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2						
Metal	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum	500000	500000	492000	98.4	495000	99.0	518000	103.6	521000	104.2
Antimony		1000	-1.1		1040	104.0	0.40		1070	107.0
Arsenic		1000	-1.5		1100	110.0	0.10		1110	111.0
Barium		500	-0.40		520	104.0	0.0		551	110.2
Beryllium		500	-0.20		517	103.4	-0.10		524	104.8
Cadmium		1000	-0.40		987	98.7	-0.10		983	98.3
Calcium	500000	500000	470000	94.0	474000	94.8	484000	96.8	487000	97.4
Chromium		500	0.30		516	103.2	0.0		513	102.6
Cobalt		500	-0.10		488	97.6	0.0		495	99.0
Copper		500	0.90		551	110.2	2.1		577	115.4
Iron	200000	200000	184000	92.0	184000	92.0	188000	94.0	186000	93.0
Lead		1000	0.0		993	99.3	-6.0		978	97.8
Magnesium	500000	500000	513000	102.6	512000	102.4	522000	104.4	519000	103.8
Manganese		500	-0.70		517	103.4	-0.80		511	102.2
Molybdenum		1000	0.10		952	95.2	-0.30		970	97.0
Nickel		1000	0.10		973	97.3	0.60		999	99.9
Potassium			-21		31.0		325		182	
Selenium		1000	1.1		1040	104.0	-0.70		1070	107.0
Silver		1000	-1.0		1050	105.0	-0.70		1080	108.0
Sodium			115		131		178		165	
Strontium		1000	-0.10		997	99.7	0.20		1060	106.0
Thallium		1000	1.9		972	97.2	4.0		967	96.7
Tin		1000	1.5		952	95.2	2.4		965	96.5
Titanium		1000	0.20		1010	101.0	0.60		1010	101.0
Vanadium		500	0.0		470	94.0	0.10		481	96.2
Zinc		1000	-1.6		981	98.1	-0.60		976	97.6

(*) Outside of QC limits
(anr) Analyte not requested

6.1.6
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042116M1.ICP
 Analyst: LM
 Parameters: Pb

Date Analyzed: 04/21/16 Methods: SW846 6010C
 Run ID: MA13104

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:40	MA13104-STD1	1		STDA
09:44	MA13104-STD2	1		STDB
09:49	MA13104-STD3	1		STDC
09:52	MA13104-STD4	1		STDD
09:56	MA13104-HSTD1	1		
10:02	MA13104-ICV1	1		
10:09	MA13104-ICB1	1		
10:13	MA13104-CR1A1	1		
10:19	MA13104-ICSA1	1		
10:24	MA13104-ICSAB1	1		
10:30	MA13104-CCV1	1		
10:36	MA13104-CCB1	1		
10:41	ZZZZZZ	2		
10:45	FA33214-1	25		(sample used for QC only; not part of login FA32107)
10:50	MP30257-D1	25		
10:55	MP30257-S1	25		
10:59	MP30257-S2	25		
11:04	MP30257-PS1	25		
11:08	MP30257-SD1	125		
11:19	MP30261-MB1	1		
11:23	MP30261-B1	1		
11:27	MA13104-CCV2	1		
11:32	MA13104-CCB2	1		
11:36	FA33248-3	1		(sample used for QC only; not part of login FA32107)
11:40	MP30261-D1	1		
11:45	MP30261-SD1	5		
11:49	MP30261-PS1	1		
11:54	MP30261-S1	1		
11:58	MP30261-S2	1		
12:02	ZZZZZZ	1		
12:06	ZZZZZZ	1		
12:11	ZZZZZZ	1		
12:15	ZZZZZZ	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32107
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042116M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 04/21/16
Run ID: MA13104
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:20	MA13104-CCV3	1		
12:24	MA13104-CCB3	1		
12:28	ZZZZZZ	1		
12:33	ZZZZZZ	1		
12:37	ZZZZZZ	1		
12:42	ZZZZZZ	1		
12:46	ZZZZZZ	1		
12:50	ZZZZZZ	1		
12:55	ZZZZZZ	1		
13:00	ZZZZZZ	1		
13:04	ZZZZZZ	1		
13:09	ZZZZZZ	1		
13:13	MA13104-CCV4	1		
13:17	MA13104-CCB4	1		
13:22	ZZZZZZ	1		
13:26	ZZZZZZ	1		
13:31	ZZZZZZ	1		
13:35	MP30261-MB2A	1		
13:40	MA13104-CRIA2	1		
13:44	ZZZZZZ	250		
13:49	MP30262-MB1	1		
13:53	MP30262-B1	1		
13:58	FA33230-10	1		(sample used for QC only; not part of login FA32107)
14:02	MP30262-D1	1		
14:07	MA13104-CCV5	1		
14:11	MA13104-CCB5	1		
14:15	MP30262-SD1	5		
14:20	MP30262-PS1	1		
14:25	MP30262-S1	1		
14:29	MP30262-S2	1		
14:34	ZZZZZZ	1		
14:38	ZZZZZZ	1		
14:42	ZZZZZZ	1		

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32107
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042116M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 04/21/16
Run ID: MA13104
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:47	ZZZZZZ	1		
14:51	ZZZZZZ	1		
14:56	ZZZZZZ	1		
15:00	MA13104-CCV6	1		
15:05	MA13104-CCB6	1		
15:09	ZZZZZZ	1		
15:14	ZZZZZZ	1		
15:18	ZZZZZZ	1		
15:23	ZZZZZZ	1		
15:27	MP30263-MB1	5		
15:32	MP30263-B1	5		
15:36	FA31998-1	5		(sample used for QC only; not part of login FA32107)
15:40	MP30263-D1	5		
15:45	MP30263-D2	5		
15:49	MP30263-SD1	25		
15:54	MA13104-CCV7	1		
15:58	MA13104-CCB7	1		
16:02	MP30263-PS1	5		
16:07	ZZZZZZ	5		
16:11	ZZZZZZ	5		
16:16	ZZZZZZ	5		
16:20	ZZZZZZ	5		
16:25	ZZZZZZ	5		
16:29	ZZZZZZ	5		
16:33	ZZZZZZ	5		
16:38	ZZZZZZ	5		
16:42	ZZZZZZ	5		
16:46	MA13104-CCV8	1		
16:50	MA13104-CCB8	1		
16:55	ZZZZZZ	5		
16:59	ZZZZZZ	5		
17:04	ZZZZZZ	5		
17:08	FA32107-1	5		

6.2
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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32107
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13104
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:12	FA32107-4	5		
17:17	FA32107-7	5		
17:21	FA32107-10	5		
17:25	FA32107-13	5		
----->	Last reportable sample/prep for job FA32107			
17:30	MA13104-CRIA3	1		
17:34	MA13104-ICSA2	1		
17:39	MA13104-CCV9	1		
17:43	MA13104-CCB9	1		
17:47	MA13104-ICSAB2	1		
17:52	MA13104-CCV10	1		
17:56	MA13104-CCB10	1		
----->	Last reportable CCB for job FA32107 Refer to raw data for calibration curve and standards.			

6.2
6

INTERNAL STANDARD SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13104
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:40	MA13104-STD1	5821	45102	3445	3027
09:44	MA13104-STD2	5806	44422	3421	2860
09:49	MA13104-STD3	5519	42365	3323	2580
09:52	MA13104-STD4	5264	41154	3315	2387
09:56	MA13104-HSTD1	5339	41411	3313	2409
10:02	MA13104-ICV1	5477	41976	3317	2559
10:09	MA13104-ICB1	5754 R	44518 R	3446 R	2972 R
10:13	MA13104-CR1A1	5730	43694	3411	2895
10:19	MA13104-ICSA1	5105	38327	3179	2320
10:24	MA13104-ICSAB1	5075	38521	3200	2286
10:30	MA13104-CCV1	5525	43042	3429	2608
10:36	MA13104-CCB1	5748	44844	3376	3029
10:41	ZZZZZZ	6496	50788	3908	2914
10:45	FA33214-1	5105	38110	3345	2334
10:50	MP30257-D1	5080	36978	3332	2310
10:55	MP30257-S1	5096	38374	3340	2312
10:59	MP30257-S2	5117	38198	3339	2324
11:04	MP30257-PS1	5067	37744	3267	2307
11:08	MP30257-SD1	5528	41959	3362	2646
11:19	MP30261-MB1	5747	45499	3414	3010
11:23	MP30261-B1	5546	43010	3333	2687
11:27	MA13104-CCV2	5534	42732	3332	2591
11:32	MA13104-CCB2	5888	45866	3455	3073
11:36	FA33248-3	5470	42370	3318	2676
11:40	MP30261-D1	5520	42890	3337	2696
11:45	MP30261-SD1	5734	44537	3416	2900
11:49	MP30261-PS1	5475	42324	3325	2635
11:54	MP30261-S1	5436	41782	3252	2546
11:58	MP30261-S2	5451	41809	3226	2542
12:02	ZZZZZZ	5525	42711	3301	2669
12:06	ZZZZZZ	5443	42405	3315	2644
12:11	ZZZZZZ	5493	42443	3329	2663
12:15	ZZZZZZ	5510	42613	3298	2685

INTERNAL STANDARD SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13104
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:20	MA13104-CCV3	5389	41803	3258	2529
12:24	MA13104-CCB3	5824	45400	3431	3041
12:28	ZZZZZZ	5677	44071	3335	2854
12:33	ZZZZZZ	5399	41668	3272	2629
12:37	ZZZZZZ	5625	43933	3366	2820
12:42	ZZZZZZ	5633	43816	3372	2841
12:46	ZZZZZZ	5449	41762	3324	2635
12:50	ZZZZZZ	5280	40328	3260	2507
12:55	ZZZZZZ	5227	39453	3157	2509
13:00	ZZZZZZ	5158	38956	3150	2415
13:04	ZZZZZZ	5472	42148	3304	2639
13:09	ZZZZZZ	5350	41153	3366	2548
13:13	MA13104-CCV4	5482	42256	3270	2571
13:17	MA13104-CCB4	5882	45261	3347	3042
13:22	ZZZZZZ	5361	40899	3206	2560
13:26	ZZZZZZ	5298	40211	3258	2479
13:31	ZZZZZZ	5589	43302	3311	2765
13:35	MP30261-MB2A	5840	46029	3391	3017
13:40	MA13104-CRIA2	5828	44869	3412	2928
13:44	ZZZZZZ	5727	43862	3359	2841
13:49	MP30262-MB1	5720	45180	3332	2971
13:53	MP30262-B1	5556	42926	3294	2681
13:58	FA33230-10	5144	39789	3411	2020
14:02	MP30262-D1	5282	40943	3492	2012
14:07	MA13104-CCV5	5564	43114	3309	2603
14:11	MA13104-CCB5	5770	44971	3314	3001
14:15	MP30262-SD1	5260	40510	3235	2406
14:20	MP30262-PS1	5059	39428	3384	1990
14:25	MP30262-S1	5066	39575	3370	1944
14:29	MP30262-S2	5172	40073	3330	1962
14:34	ZZZZZZ	6502	50467	3717	2758
14:38	ZZZZZZ	6313	49209	3675	2808
14:42	ZZZZZZ	5319	41453	3342	2281

6.2.1
6

INTERNAL STANDARD SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13104
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:47	ZZZZZZ	5830	44644	3469	2426
14:51	ZZZZZZ	5573	43237	3405	2373
14:56	ZZZZZZ	8788 !	68222 !	5699 !	1791
15:00	MA13104-CCV6	5529	42629	3149	2592
15:05	MA13104-CCB6	5866	45342	3234	3045
15:09	ZZZZZZ	5541	43002	3298	2447
15:14	ZZZZZZ	5711	44229	3351	2547
15:18	ZZZZZZ	6170	47609	3415	2844
15:23	ZZZZZZ	5979	46672	3354	2911
15:27	MP30263-MB1	5879	46000	3347	3035
15:32	MP30263-B1	5770	44481	3231	2895
15:36	FA31998-1	5964	44612	3273	2799
15:40	MP30263-D1	5853	44376	3276	2748
15:45	MP30263-D2	5776	43409	3217	2692
15:49	MP30263-SD1	5935	45009	3243	2942
15:54	MA13104-CCV7	5553	42448	3151	2588
15:58	MA13104-CCB7	5591	43578	3166	2886
16:02	MP30263-PS1	5887	44349	3306	2741
16:07	ZZZZZZ	5926	44553	3309	2714
16:11	ZZZZZZ	5999	45125	3315	2755
16:16	ZZZZZZ	5848	44514	3257	2829
16:20	ZZZZZZ	5935	45184	3324	2831
16:25	ZZZZZZ	5766	43448	3175	2756
16:29	ZZZZZZ	5788	43496	3171	2766
16:33	ZZZZZZ	5894	44640	3236	2824
16:38	ZZZZZZ	5938	44987	3309	2848
16:42	ZZZZZZ	5789	44429	3249	2850
16:46	MA13104-CCV8	5463	41707	3086	2542
16:50	MA13104-CCB8	5885	45380	3215	3028
16:55	ZZZZZZ	5847	44939	3276	2878
16:59	ZZZZZZ	5795	44147	3270	2796
17:04	ZZZZZZ	5829	44423	3251	2820
17:08	FA32107-1	5808	43999	3213	2851

6.2.1
6

INTERNAL STANDARD SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13104
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:12	FA32107-4	5840	44521	3255	2857
17:17	FA32107-7	5771	44255	3237	2860
17:21	FA32107-10	5740	43627	3195	2757
17:25	FA32107-13	5850	44382	3230	2820
17:30	MA13104-CRIA3	5769	44021	3170	2883
17:34	MA13104-ICSA2	5077	37885	2908	2266
17:39	MA13104-CCV9	5553	42599	3120	2581
17:43	MA13104-CCB9	5806	44707	3161	2992
17:47	MA13104-ICSAB2	5127	38188	2927	2265
17:52	MA13104-CCV10	5474	41739	3031	2538
17:56	MA13104-CCB10	5860	45355	3217	3002

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.2.1
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042116M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/21/16
 Run ID: MA13104

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		10:09		10:36		11:32		12:24		
	Sample ID:	RL	IDL	ICB1	final	CCB1	final	CCB2	final	CCB3	final
Aluminum	200	14									
Antimony	6.0	1									
Arsenic	10	1.3	anr								
Barium	200	1	anr								
Beryllium	4.0	.2									
Cadmium	5.0	.2	anr								
Calcium	1000	50									
Chromium	10	1	anr								
Cobalt	50	.2									
Copper	25	1	anr								
Iron	300	17	anr								
Lead	5.0	1	-0.80	<5.0	-0.50	<5.0	-0.40	<5.0	-0.30	<5.0	
Magnesium	5000	35									
Manganese	15	.5	anr								
Molybdenum	50	.3	anr								
Nickel	40	.4	anr								
Potassium	10000	200									
Selenium	10	2.4									
Silver	10	.7	anr								
Sodium	10000	500	anr								
Strontium	10	.5									
Thallium	10	1.1									
Tin	50	.9									
Titanium	10	.5									
Vanadium	50	.5									
Zinc	20	3	anr								

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042116M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/21/16
 Run ID: MA13104

Methods: SW846 6010C
 Units: ug/l

Time: Sample ID:	RL	IDL	13:17 CCB4 raw	final	14:11 CCB5 raw	final	15:05 CCB6 raw	final	15:58 CCB7 raw	final
Aluminum	200	14								
Antimony	6.0	1								
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2								
Cadmium	5.0	.2	anr							
Calcium	1000	50								
Chromium	10	1	anr							
Cobalt	50	.2								
Copper	25	1	anr							
Iron	300	17	anr							
Lead	5.0	1	-0.20	<5.0	-0.40	<5.0	-0.30	<5.0	0.30	<5.0
Magnesium	5000	35								
Manganese	15	.5	anr							
Molybdenum	50	.3	anr							
Nickel	40	.4	anr							
Potassium	10000	200								
Selenium	10	2.4								
Silver	10	.7	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.1								
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5								
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042116M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/21/16
 Run ID: MA13104

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		16:50		17:43		17:56	
	Sample ID:	RL	IDL	CCB8	final	CCB9	final	CCB10
Aluminum	200	14						
Antimony	6.0	1						
Arsenic	10	1.3	anr					
Barium	200	1	anr					
Beryllium	4.0	.2						
Cadmium	5.0	.2	anr					
Calcium	1000	50						
Chromium	10	1	anr					
Cobalt	50	.2						
Copper	25	1	anr					
Iron	300	17	anr					
Lead	5.0	1	0.20	<5.0	-0.50	<5.0	-0.30	<5.0
Magnesium	5000	35						
Manganese	15	.5	anr					
Molybdenum	50	.3	anr					
Nickel	40	.4	anr					
Potassium	10000	200						
Selenium	10	2.4						
Silver	10	.7	anr					
Sodium	10000	500	anr					
Strontium	10	.5						
Thallium	10	1.1						
Tin	50	.9						
Titanium	10	.5						
Vanadium	50	.5						
Zinc	20	3	anr					

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32107
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13104 Units: ug/l

Metal	Time:		10:02		10:30		11:27		
	Sample ID:	ICV	ICV1	CCV	CCV1	CCV	CCV2	Results	
	True	Results	% Rec	True	Results	% Rec	True	% Rec	
Aluminum									
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	2000	2010	100.5	2000	1980	99.0	2000	2000	100.0
Magnesium									
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium									
Selenium									
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32107
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13104 Units: ug/l

Metal	Time: Sample ID: CCV	12:20 CCV3		CCV True	13:13 CCV4		CCV True	14:07 CCV5	
		Results	% Rec		Results	% Rec		Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	2000	2050	102.5	2000	2010	100.5	2000	1990	99.5
Magnesium									
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium									
Selenium									
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32107
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13104 Units: ug/l

Time:	15:00	15:54	16:46
Sample ID:	CCV6	CCV7	CCV8
Metal	True	True	True
	Results	Results	Results
	% Rec	% Rec	% Rec
Aluminum			
Antimony			
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium	anr		
Calcium			
Chromium	anr		
Cobalt			
Copper	anr		
Iron	anr		
Lead	2000 1990 99.5	2000 1980 99.0	2000 2020 101.0
Magnesium			
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium			
Selenium			
Silver	anr		
Sodium	anr		
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32107
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13104 Units: ug/l

Metal	Sample ID	Time: CCV	17:39		17:52	
			CCV9	Results	CCV10	Results
		True	% Rec	True	% Rec	
Aluminum						
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	anr					
Iron	anr					
Lead	2000	1980	99.0	2000	2010	100.5
Magnesium						
Manganese	anr					
Molybdenum	anr					
Nickel	anr					
Potassium						
Selenium						
Silver	anr					
Sodium	anr					
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13104 Units: ug/l

Time:	09:56
Sample ID:	HSTD1
Metal	True
Results	% Rec

Aluminum			
Antimony			
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium	anr		
Calcium			
Chromium	anr		
Cobalt			
Copper	anr		
Iron	anr		
Lead	4000	3990	99.8
Magnesium			
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium			
Selenium			
Silver	anr		
Sodium	anr		
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13104 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	10:13 CRIA1 Results	% Rec	13:40 CRIA2 Results	% Rec	17:30 CRIA3 Results	% Rec
Aluminum	400	200						
Antimony	10	5.0						
Arsenic	20	10	anr					
Barium	400	200	anr					
Beryllium	10	5.0						
Cadmium	10	5.0	anr					
Calcium	2000	1000						
Chromium	20	10	anr					
Cobalt	100	50						
Copper	50	25	anr					
Iron	600	300	anr					
Lead	10	5.0	4.9	98.0	5.2	104.0	4.6	92.0
Magnesium	10000	5000						
Manganese	30	15	anr					
Molybdenum	100	50	anr					
Nickel	80	40	anr					
Potassium	20000	10000						
Selenium	20	10						
Silver	20	10	anr					
Sodium	20000	10000	anr					
Strontium	20	10						
Thallium	20	10						
Tin	100	50						
Titanium	20	10						
Vanadium	100	50						
Zinc	40	20	anr					

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA32107
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042116M1.ICP Date Analyzed: 04/21/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13104 Units: ug/l

Time:	10:19	10:24	17:34	17:47						
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2						
Metal	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum	500000	500000	499000	99.8	498000	99.6	525000	105.0	515000	103.0
Antimony		1000	0.80		1040	104.0	0.50		1000	100.0
Arsenic		1000	-1.4		1100	110.0	-0.80		1060	106.0
Barium		500	-0.60		526	105.2	0.10		547	109.4
Beryllium		500	-0.40		514	102.8	-0.50		512	102.4
Cadmium		1000	-0.10		977	97.7	-0.80		957	95.7
Calcium	500000	500000	490000	98.0	480000	96.0	515000	103.0	507000	101.4
Chromium		500	-0.40		515	103.0	-0.30		519	103.8
Cobalt		500	-0.40		483	96.6	-0.50		482	96.4
Copper		500	-0.10		553	110.6	0.20		558	111.6
Iron	200000	200000	189000	94.5	188000	94.0	191000	95.5	189000	94.5
Lead		1000	0.20		970	97.0	-2.7		960	96.0
Magnesium	500000	500000	518000	103.6	506000	101.2	537000	107.4	525000	105.0
Manganese		500	-0.80		517	103.4	-0.90		510	102.0
Molybdenum		1000	-0.70		959	95.9	-1.1		956	95.6
Nickel		1000	0.0		974	97.4	0.20		947	94.7
Potassium			66.9		46.2		61.9		10.5	
Selenium		1000	0.90		1040	104.0	-1.3		1020	102.0
Silver		1000	-0.30		1050	105.0	-0.30		1060	106.0
Sodium			230		241		263		240	
Strontium		1000	-0.20		1030	103.0	-0.40		1030	103.0
Thallium		1000	-0.20		961	96.1	-2.1		945	94.5
Tin		1000	1.2		942	94.2	0.90		950	95.0
Titanium		1000	-1.7		1010	101.0	-1.3		994	99.4
Vanadium		500	-0.40		481	96.2	0.0		472	94.4
Zinc		1000	-2.7		976	97.6	-3.2		941	94.1

(*) Outside of QC limits
(anr) Analyte not requested

6.2.6
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32107
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13106
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:03	MA13106-STD1	1		STDA
10:08	MA13106-STD2	1		STDB
10:11	MA13106-STD3	1		STDC
10:15	MA13106-STD4	1		STDD
10:19	MA13106-HSTD1	1		
10:27	MA13106-ICV1	1		
10:34	MA13106-ICB1	1		
10:39	MA13106-CR1A1	1		
10:46	MA13106-ICSA1	1		
10:56	MA13106-ICSAB1	1		
11:04	MA13106-CCV1	1		
11:09	MA13106-CCB1	1		
11:17	MP30266-MB1	1		
11:22	MP30266-B1	1		
11:26	FA33273-1	1		(sample used for QC only; not part of login FA32107)
11:30	MP30266-D1	1		
11:35	MP30266-SD1	5		
11:39	MP30266-PS1	1		
11:44	MP30266-S1	1		
11:48	MP30266-S2	1		
11:52	ZZZZZZ	5		
11:57	ZZZZZZ	5		
12:01	MA13106-CCV2	1		
12:05	MA13106-CCB2	1		
12:10	ZZZZZZ	5		
12:14	ZZZZZZ	5		
12:19	ZZZZZZ	5		
12:24	ZZZZZZ	5		
12:33	ZZZZZZ	5		
12:37	ZZZZZZ	5		
12:42	ZZZZZZ	5		
12:47	ZZZZZZ	5		
12:51	ZZZZZZ	5		

6.3
9

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32107
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042216M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 04/22/16
Run ID: MA13106
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:56	MA13106-CCV3	1		
13:00	MA13106-CCB3	1		
13:05	ZZZZZZ	5		
13:09	ZZZZZZ	5		
13:14	ZZZZZZ	5		
13:18	ZZZZZZ	5		
13:23	ZZZZZZ	5		
13:28	ZZZZZZ	5		
13:32	ZZZZZZ	5		
13:37	MA13106-CCV4	1		
13:41	MA13106-CCB4	1		
13:59	MP30269-MB1	5		
14:04	MP30269-B1	5		
14:08	FA32107-16	5		
14:20	MP30269-D1	5		
14:25	MP30269-D2	5		
14:29	MP30269-SD1	25		
14:33	MP30269-PS1	5		
14:38	MP30269-S1	5		
14:42	MP30269-S2	5		
14:46	FA32107-19	5		
14:51	MA13106-CCV5	1		
14:55	MA13106-CCB5	1		
14:59	FA32107-22	5		
15:04	FA32107-23	5		
----->	Last reportable sample/prep for job FA32107			
15:08	ZZZZZZ	5		
15:12	ZZZZZZ	5		
15:17	ZZZZZZ	5		
15:21	ZZZZZZ	5		
15:25	ZZZZZZ	5		
15:30	ZZZZZZ	5		
15:34	ZZZZZZ	5		
15:38	ZZZZZZ	5		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32107
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042216M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 04/22/16
Run ID: MA13106
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:43	MA13106-CCV6	1		
15:47	MA13106-CCB6	1		
15:52	ZZZZZZ	5		
15:56	ZZZZZZ	5		
16:00	ZZZZZZ	5		
16:05	ZZZZZZ	5		
16:09	ZZZZZZ	5		
16:14	ZZZZZZ	5		
16:18	MA13106-CRIA2	1		
16:22	MA13106-ICSA2	1		
16:27	MA13106-ICSAB2	1		
16:32	MA13106-CCV7	1		
16:36	MA13106-CCB7	1		

-----> Last reportable CCB for job FA32107
Refer to raw data for calibration curve and standards.

6.3
6

INTERNAL STANDARD SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13106
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:03	MA13106-STD1	4995	42759	3795	2711
10:08	MA13106-STD2	4901	42019	3760	2521
10:11	MA13106-STD3	4730	40280	3681	2298
10:15	MA13106-STD4	4547	39431	3626	2125
10:19	MA13106-HSTD1	4516	39194	3613	2106
10:27	MA13106-ICV1	4675	39944	3643	2280
10:34	MA13106-ICB1	4932 R	42411 R	3764 R	2685 R
10:39	MA13106-CRIA1	4838	41469	3774	2555
10:46	MA13106-ICSA1	4340	36033	3413	2011
10:56	MA13106-ICSAB1	4325	35789	3398	1992
11:04	MA13106-CCV1	4774	39888	3619	2296
11:09	MA13106-CCB1	4972	42269	3730	2693
11:17	MP30266-MB1	4910	42970	3775	2670
11:22	MP30266-B1	4733	40493	3663	2387
11:26	FA33273-1	4609	39540	3587	2375
11:30	MP30266-D1	4638	39739	3606	2388
11:35	MP30266-SD1	4881	41569	3697	2600
11:39	MP30266-PS1	4640	40002	3607	2334
11:44	MP30266-S1	4644	39380	3575	2250
11:48	MP30266-S2	4649	39501	3561	2254
11:52	ZZZZZZ	4077	32962	3463	1867
11:57	ZZZZZZ	4214	34777	3509	1945
12:01	MA13106-CCV2	4719	40204	3589	2282
12:05	MA13106-CCB2	4966	42713	3735	2680
12:10	ZZZZZZ	4367	36145	3544	2062
12:14	ZZZZZZ	4013	32545	3432	1828
12:19	ZZZZZZ	4247	34706	3493	1964
12:24	ZZZZZZ	4076	33209	3437	1871
12:33	ZZZZZZ	4241	34510	3444	1965
12:37	ZZZZZZ	3959	31921	3413	1792
12:42	ZZZZZZ	3885	31451	3434	1737
12:47	ZZZZZZ	4103	33360	3453	1894
12:51	ZZZZZZ	3931	31649	3423	1767

INTERNAL STANDARD SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13106
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:56	MA13106-CCV3	4710	40061	3531	2281
13:00	MA13106-CCB3	4952	42279	3650	2681
13:05	ZZZZZZ	4209	34658	3488	1969
13:09	ZZZZZZ	3786	30712	3440	1673
13:14	ZZZZZZ	4131	33484	3460	1898
13:18	ZZZZZZ	4203	34389	3472	1951
13:23	ZZZZZZ	3968	31882	3423	1793
13:28	ZZZZZZ	4125	33598	3424	1900
13:32	ZZZZZZ	4040	32631	3426	1829
13:37	MA13106-CCV4	4709	40049	3567	2271
13:41	MA13106-CCB4	4956	42569	3626	2675
13:59	MP30269-MB1	4894	41703	3559	2645
14:04	MP30269-B1	4881	41127	3532	2558
14:08	FA32107-16	4911	41498	3586	2493
14:20	MP30269-D1	4916	41512	3572	2498
14:25	MP30269-D2	4965	41586	3594	2508
14:29	MP30269-SD1	5025	42212	3613	2611
14:33	MP30269-PS1	4937	41671	3618	2485
14:38	MP30269-S1	4913	41425	3625	2456
14:42	MP30269-S2	4912	41319	3602	2450
14:46	FA32107-19	4986	41743	3629	2482
14:51	MA13106-CCV5	4728	39741	3505	2272
14:55	MA13106-CCB5	4936	42113	3603	2656
14:59	FA32107-22	4978	42066	3678	2506
15:04	FA32107-23	5000	41854	3603	2530
15:08	ZZZZZZ	5070	42238	3593	2497
15:12	ZZZZZZ	4994	41832	3637	2463
15:17	ZZZZZZ	5041	42510	3645	2531
15:21	ZZZZZZ	5049	42213	3647	2439
15:25	ZZZZZZ	5042	42066	3572	2524
15:30	ZZZZZZ	5070	42277	3637	2521
15:34	ZZZZZZ	5097	42260	3615	2525
15:38	ZZZZZZ	5032	41862	3579	2518

INTERNAL STANDARD SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13106
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:43	MA13106-CCV6	4768	40042	3511	2276
15:47	MA13106-CCB6	4998	42297	3620	2673
15:52	ZZZZZZ	4988	41566	3566	2517
15:56	ZZZZZZ	5069	42226	3621	2443
16:00	ZZZZZZ	5048	42153	3635	2517
16:05	ZZZZZZ	5017	41983	3551	2537
16:09	ZZZZZZ	5111	41887	3582	2446
16:14	ZZZZZZ	5050	41603	3596	2449
16:18	MA13106-CRIA2	4936	41470	3593	2560
16:22	MA13106-ICSA2	4364	35519	3261	1984
16:27	MA13106-ICSAB2	4359	35603	3242	1966
16:32	MA13106-CCV7	4762	39630	3417	2271
16:36	MA13106-CCB7	5009	42041	3522	2668

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.3.1
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042216M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/22/16
 Run ID: MA13106

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		10:34		11:09		12:05		13:00		
	Sample ID:	RL	IDL	ICB1	final	CCB1	final	CCB2	final	CCB3	final
Aluminum		200	14								
Antimony		6.0	1								
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2	anr							
Cadmium		5.0	.2	anr							
Calcium		1000	50	anr							
Chromium		10	1	anr							
Cobalt		50	.2								
Copper		25	1								
Iron		300	17								
Lead		5.0	1	0.0	<5.0	-0.30	<5.0	-0.10	<5.0	-0.20	<5.0
Magnesium		5000	35	anr							
Manganese		15	.5								
Molybdenum		50	.3								
Nickel		40	.4								
Potassium		10000	200								
Selenium		10	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500	anr							
Strontium		10	.5								
Thallium		10	1.1								
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3								

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042216M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/22/16
 Run ID: MA13106

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		13:41		14:55		15:47		16:36		
	Sample ID:	RL	IDL	CCB4	final	CCB5	final	CCB6	final	CCB7	final
Aluminum	200	14									
Antimony	6.0	1									
Arsenic	10	1.3	anr								
Barium	200	1	anr								
Beryllium	4.0	.2	anr								
Cadmium	5.0	.2	anr								
Calcium	1000	50	anr								
Chromium	10	1	anr								
Cobalt	50	.2									
Copper	25	1									
Iron	300	17									
Lead	5.0	1	-0.70	<5.0	0.40	<5.0	-0.40	<5.0	0.0	<5.0	
Magnesium	5000	35	anr								
Manganese	15	.5									
Molybdenum	50	.3									
Nickel	40	.4									
Potassium	10000	200									
Selenium	10	2.4	anr								
Silver	10	.7	anr								
Sodium	10000	500	anr								
Strontium	10	.5									
Thallium	10	1.1									
Tin	50	.9									
Titanium	10	.5									
Vanadium	50	.5									
Zinc	20	3									

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.2
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32107
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13106 Units: ug/l

Metal	Time:		10:27		11:04		12:01		
	Sample ID:	ICV	ICV1	CCV	CCV1	CCV2	CCV	CCV2	
	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper									
Iron									
Lead	2000	2050	102.5	2000	2060	103.0	2000	2040	102.0
Magnesium	anr								
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

6.3.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32107
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13106 Units: ug/l

Metal	Sample ID	Time: CCV	12:56		13:37		14:51		
			CCV3	Results	CCV4	Results	CCV5	Results	
Aluminum		True							
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper									
Iron									
Lead	2000	2030	101.5	2000	2040	102.0	2000	2040	102.0
Magnesium	anr								
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

6.3.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32107
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13106 Units: ug/l

Metal	Time:	15:43	% Rec	16:32	% Rec	
	Sample ID:	CCV6		CCV7		
	True	Results		Results		
Aluminum						
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Cadmium	anr					
Calcium	anr					
Chromium	anr					
Cobalt						
Copper						
Iron						
Lead	2000	2040	102.0	2000	2020	101.0
Magnesium	anr					
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium	anr					
Silver	anr					
Sodium	anr					
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

(*) Outside of QC limits
(anr) Analyte not requested

6.3.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13106 Units: ug/l

Time:	10:19	
Sample ID:	HSTD	HSTD1
Metal	True	Results % Rec

Aluminum			
Antimony			
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt			
Copper			
Iron			
Lead	4000	4080	102.0
Magnesium	anr		
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13106 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	10:39 CRIA1 Results	% Rec	16:18 CRIA2 Results	% Rec
Metal						
Aluminum	400	200				
Antimony	10	5.0				
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25				
Iron	600	300				
Lead	10	5.0	5.2	104.0	4.8	96.0
Magnesium	10000	5000	anr			
Manganese	30	15				
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000				
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20				

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA32107
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13106 Units: ug/l

Time:	10:46	10:56	16:22	16:27						
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2						
Metal	True	True	Results	% Rec						
Aluminum	500000	500000	514000	102.8	512000	102.4	531000	106.2	532000	106.4
Antimony		1000	0.70		1030	103.0	-0.70		1010	101.0
Arsenic		1000	0.40		1120	112.0	0.10		1080	108.0
Barium		500	-0.30		524	104.8	-0.40		552	110.4
Beryllium		500	-0.30		530	106.0	-0.30		530	106.0
Cadmium		1000	0.0		1010	101.0	-0.70		972	97.2
Calcium	500000	500000	493000	98.6	499000	99.8	524000	104.8	522000	104.4
Chromium		500	0.0		537	107.4	-0.40		531	106.2
Cobalt		500	-0.20		492	98.4	-0.10		487	97.4
Copper		500	0.0		541	108.2	0.30		568	113.6
Iron	200000	200000	192000	96.0	193000	96.5	194000	97.0	195000	97.5
Lead		1000	-0.10		1000	100.0	-2.1		983	98.3
Magnesium	500000	500000	537000	107.4	534000	106.8	558000	111.6	556000	111.2
Manganese		500	-0.30		544	108.8	-0.60		525	105.0
Molybdenum		1000	0.0		970	97.0	-0.10		963	96.3
Nickel		1000	0.30		1000	100.0	0.50		959	95.9
Potassium			-46		56.6		-8.6		43.3	
Selenium		1000	0.0		1040	104.0	0.80		1030	103.0
Silver		1000	-0.10		1050	105.0	-0.30		1080	108.0
Sodium			122		130		264		274	
Strontium		1000	-0.10		1030	103.0	-0.20		1100	110.0
Thallium		1000	-0.50		969	96.9	-0.30		955	95.5
Tin		1000	1.4		961	96.1	1.9		966	96.6
Titanium		1000	0.10		1050	105.0	0.30		1020	102.0
Vanadium		500	0.80		500	100.0	1.2		481	96.2
Zinc		1000	-1.7		1010	101.0	-2.0		1010	101.0

(*) Outside of QC limits
(anr) Analyte not requested

6.3.6
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32107
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13107
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:03	MA13107-STD1	1		STDA
10:07	MA13107-STD2	1		STDB
10:11	MA13107-STD3	1		STDC
10:15	MA13107-STD4	1		STDD
10:19	MA13107-HSTD1	1		
10:27	MA13107-ICV1	1		
10:33	MA13107-ICB1	1		
10:38	MA13107-CR1A1	1		
10:46	MA13107-ICSA1	1		
10:59	MA13107-ICSAB1	1		
11:07	MA13107-CCV1	1		
11:16	MA13107-CCB1	1		
11:20	FA33230-10	10		(sample used for QC only; not part of login FA32107)
11:24	MP30262-D1	10		
11:28	MP30262-S1	10		
11:32	MP30262-S2	10		
11:36	MP30262-PS1	10		
11:41	MP30262-SD1	50		
11:45	ZZZZZZ	2		
11:49	ZZZZZZ	10		
11:53	ZZZZZZ	2		
11:57	MP30263-S1	5		
12:01	MA13107-CCV2	1		
12:05	MA13107-CCB2	1		
12:09	MP30263-S2	5		
----->	Last reportable sample/prep for job FA32107			
12:56	MA13107-CCV3	1		
13:00	MA13107-CCB3	1		
13:38	MP30268-MB1	1		
13:42	MP30268-B1	1		
13:46	MA13107-CCV4	1		
13:50	MA13107-CCB4	1		
13:54	FA33266-1	1		(sample used for QC only; not part of login FA32107)
13:59	MP30268-D1	1		

6.4
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32107
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13107
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:03	MP30268-SD1	5		
14:07	MP30268-PS1	1		
14:11	MP30268-S1	1		
14:15	MP30268-S2	1		
14:19	ZZZZZZ	1		
14:23	ZZZZZZ	1		
14:27	ZZZZZZ	1		
14:31	ZZZZZZ	1		
14:35	MA13107-CCV5	1		
14:39	MA13107-CCB5	1		
14:43	ZZZZZZ	1		
14:47	ZZZZZZ	1		
14:51	ZZZZZZ	1		
14:56	ZZZZZZ	1		
15:00	ZZZZZZ	1		
15:04	ZZZZZZ	1		
15:08	MA13107-CRIA2	1		
15:12	MA13107-ICSA2	1		
15:16	MA13107-ICSAB2	1		
15:20	MA13107-CCV6	1		
15:24	MA13107-CCB6	1		
----->	Last reportable CCB for job FA32107 Refer to raw data for calibration curve and standards.			

6.4
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INTERNAL STANDARD SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13107
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:03	MA13107-STD1	6606	53493	5613	2807
10:07	MA13107-STD2	6528	52020	5668	2607
10:11	MA13107-STD3	6364	50491	5639	2396
10:15	MA13107-STD4	6175	49754	5557	2246
10:19	MA13107-HSTD1	6157	49557	5606	2238
10:27	MA13107-ICV1	6299	50383	5603	2375
10:33	MA13107-ICB1	6573 R	53989 R	5714 R	2808 R
10:38	MA13107-CR1A1	6436	51888	5683	2662
10:46	MA13107-ICSA1	6031	47010	5619	2190
10:59	MA13107-ICSAB1	5886	46682	5668	2138
11:07	MA13107-CCV1	6147	51332	5637	2380
11:16	MA13107-CCB1	6428	53762	5724	2788
11:20	FA33230-10	6222	51101	5812	2427
11:24	MP30262-D1	6222	50844	5681	2413
11:28	MP30262-S1	6223	51181	5748	2402
11:32	MP30262-S2	6201	51091	5723	2398
11:36	MP30262-PS1	6153	50757	5714	2409
11:41	MP30262-SD1	6337	51852	5691	2621
11:45	ZZZZZZ	6666	53633	6188	2445
11:49	ZZZZZZ	6881	55049	6270	2290
11:53	ZZZZZZ	6714	55545	6224	2596
11:57	MP30263-S1	6851	54963	6097	2598
12:01	MA13107-CCV2	6202	51078	5681	2375
12:05	MA13107-CCB2	6662	54452	5851	2840
12:09	MP30263-S2	6987	54515	6092	2604
12:56	MA13107-CCV3	6359	51408	5651	2409
13:00	MA13107-CCB3	6489	52868	5611	2766
13:38	MP30268-MB1	6802	55359	5891	2879
13:42	MP30268-B1	6678	52816	5778	2600
13:46	MA13107-CCV4	6294	49928	5469	2368
13:50	MA13107-CCB4	6524	52323	5473	2756
13:54	FA33266-1	8047	62681	7007	2569
13:59	MP30268-D1	7857	61642	6744	2601

INTERNAL STANDARD SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13107
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:03	MP30268-SD1	6958	55770	5892	2676
14:07	MP30268-PS1	7946	62548	6872	2530
14:11	MP30268-S1	7972	61892	6986	2457
14:15	MP30268-S2	7742	60488	6765	2467
14:19	ZZZZZZ	7828	62614	6857	2542
14:23	ZZZZZZ	6845	56184	5925	2835
14:27	ZZZZZZ	6823	56403	5896	2860
14:31	ZZZZZZ	6847	56221	5942	2856
14:35	MA13107-CCV5	6239	50210	5586	2362
14:39	MA13107-CCB5	6616	53298	5664	2778
14:43	ZZZZZZ	6952	55557	5814	2851
14:47	ZZZZZZ	7028	55699	5829	2775
14:51	ZZZZZZ	6993	55468	5946	2756
14:56	ZZZZZZ	6991	55706	5918	2741
15:00	ZZZZZZ	7090	55934	6026	2745
15:04	ZZZZZZ	6978	54716	5854	2762
15:08	MA13107-CRIA2	6503	51027	5414	2645
15:12	MA13107-ICSA2	5970	45308	5408	2138
15:16	MA13107-ICSAB2	6021	45871	5418	2134
15:20	MA13107-CCV6	6375	49648	5415	2379
15:24	MA13107-CCB6	6574	52186	5512	2755

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.4.1
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB042216M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/22/16
 Run ID: MA13107

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		10:33		11:16		12:05		13:00		
	Sample ID:	RL	IDL	ICB1	final	CCB1	final	CCB2	final	CCB3	final
Aluminum	200	14									
Antimony	20	1									
Arsenic	10	1.3	anr								
Barium	200	1	anr								
Beryllium	5.0	.2									
Cadmium	4.0	.2	anr								
Calcium	5000	50									
Chromium	10	1	anr								
Cobalt	50	.2									
Copper	25	1									
Iron	300	17									
Lead	20	1	-0.50	<20	0.10	<20	-0.50	<20	-0.50	<20	
Magnesium	5000	35									
Manganese	15	.5									
Molybdenum	50	.3									
Nickel	40	.4									
Potassium	10000	200									
Selenium	20	2.4									
Silver	10	.7									
Sodium	10000	500									
Strontium	10	.5									
Thallium	10	1.1									
Tin	50	.9									
Titanium	10	.5									
Vanadium	50	.5									
Zinc	20	3									

(*) Outside of QC limits
 (anr) Analyte not requested

6.4.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB042216M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/22/16
 Run ID: MA13107

Methods: SW846 6010C
 Units: ug/l

Metal	RL	IDL	Time:					
			Sample ID:	13:50	14:39	15:24		
			CCB4	CCB5	CCB6			
			raw	final	raw	final	raw	final
Aluminum	200	14						
Antimony	20	1						
Arsenic	10	1.3	anr					
Barium	200	1	anr					
Beryllium	5.0	.2						
Cadmium	4.0	.2	anr					
Calcium	5000	50						
Chromium	10	1	anr					
Cobalt	50	.2						
Copper	25	1						
Iron	300	17						
Lead	20	1	-0.40	<20	-1.6	<20	0.10	<20
Magnesium	5000	35						
Manganese	15	.5						
Molybdenum	50	.3						
Nickel	40	.4						
Potassium	10000	200						
Selenium	20	2.4						
Silver	10	.7						
Sodium	10000	500						
Strontium	10	.5						
Thallium	10	1.1						
Tin	50	.9						
Titanium	10	.5						
Vanadium	50	.5						
Zinc	20	3						

(*) Outside of QC limits
 (anr) Analyte not requested

6.4.2
 6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32107
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13107 Units: ug/l

Metal	Time:		10:27		11:07		12:01		
	Sample ID:	ICV	ICV1	CCV	CCV1	CCV2	CCV	CCV2	
	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper									
Iron									
Lead	2000	2040	102.0	2000	1960	98.0	2000	1970	98.5
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

6.4.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32107
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13107 Units: ug/l

Metal	Sample ID	Time: CCV	12:56		13:46		14:35		
			CCV3	Results	CCV4	Results	CCV5	Results	
Aluminum		True							
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper									
Iron									
Lead	2000	1970	98.5	2000	2030	101.5	2000	2030	101.5
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

6.4.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32107
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13107 Units: ug/l

Time:	15:20		
Sample ID:	CCV	CCV6	
Metal	True	Results	% Rec

Aluminum			
Antimony			
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium	anr		
Calcium			
Chromium	anr		
Cobalt			
Copper			
Iron			
Lead	2000	2020	101.0
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
(anr) Analyte not requested

6.4.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13107 Units: ug/l

Time:	10:19	
Sample ID:	HSTD	HSTD1
Metal	True	Results % Rec

Aluminum			
Antimony			
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium	anr		
Calcium			
Chromium	anr		
Cobalt			
Copper			
Iron			
Lead	4000	4040	101.0
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
 (anr) Analyte not requested

6.4.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13107 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	10:38 CRIA1 Results	% Rec	15:08 CRIA2 Results	% Rec
Metal						
Aluminum	400	200				
Antimony	10	5.0				
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0	anr			
Calcium	2000	1000				
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25				
Iron	600	300				
Lead	10	5.0	4.8	96.0	4.5	90.0
Magnesium	10000	5000				
Manganese	30	15				
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000				
Selenium	20	10				
Silver	20	10				
Sodium	20000	10000				
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20				

(*) Outside of QC limits
 (anr) Analyte not requested

6.4.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA32107
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13107 Units: ug/l

Time:	10:46	10:59	15:12	15:16
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2
Metal	True	Results % Rec	Results % Rec	Results % Rec
Aluminum	500000	483000 96.6	485000 97.0	490000H 98.0
Antimony	1000	-0.70	1010 101.0	0.90 993 99.3
Arsenic	1000	-0.10	1090 109.0	1.2 1060 106.0
Barium	500	1.0	509 101.8	1.0 516 103.2
Beryllium	500	-0.10	477 95.4	0.0 494 98.8
Cadmium	1000	0.0	956 95.6	-0.60 960 96.0
Calcium	500000	469000 93.8	464000 92.8	466000H 93.2
Chromium	500	-0.10	487 97.4	-0.20 516 103.2
Cobalt	500	-0.30	475 95.0	-0.30 475 95.0
Copper	500	-1.1	520 104.0	-0.50 538 107.6
Iron	200000	178000 89.0	177000 88.5	183000C 91.5
Lead	1000	0.50	949 94.9	-0.20 971 97.1
Magnesium	500000	495000 99.0	493000 98.6	502000HH 100.4
Manganese	500	0.10	507 101.4	0.10 516 103.2
Molybdenum	1000	0.0	942 94.2	-0.60 935 93.5
Nickel	1000	0.0	970 97.0	0.20 945 94.5
Potassium		106	110	122 116
Selenium	1000	0.0	1020 102.0	-1.7 995 99.5
Silver	1000	-0.20	982 98.2	-0.40 988H 98.8
Sodium		153	167	340 316
Strontium	1000	0.10	958 95.8	0.50 1010 101.0
Thallium	1000	0.0	948 94.8	0.50 967 96.7
Tin	1000	-0.30	957 95.7	-0.40 906 90.6
Titanium	1000	-0.70	980 98.0	-0.80 1010 101.0
Vanadium	500	0.10	470 94.0	0.0 472 94.4
Zinc	1000	-1.5	959 95.9	-1.5 955 95.5

(*) Outside of QC limits
(anr) Analyte not requested

6.4.6
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA32107
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30113
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/15/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	14	14		
Antimony	6.0	1	1		
Arsenic	10	1.3	1.3		
Barium	200	1	1		
Beryllium	4.0	.2	.2		
Cadmium	5.0	.2	.2		
Calcium	1000	50	50		
Chromium	10	1	1		
Cobalt	50	.2	.2		
Copper	25	1	1		
Iron	300	17	17		
Lead	5.0	1	1.1	-0.70	<5.0
Magnesium	5000	35	35		
Manganese	15	.5	1		
Molybdenum	50	.3	.3		
Nickel	40	.4	.4		
Potassium	10000	200	200		
Selenium	10	2.4	2.9		
Silver	10	.7	.7		
Sodium	10000	500	500		
Strontium	10	.5	.5		
Thallium	10	1.1	1.4		
Tin	50	.9	1		
Titanium	10	.5	1		
Vanadium	50	.5	.6		
Zinc	20	3	4.4		

Associated samples MP30113: FA32107-28

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.5.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30113
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/15/16 03/15/16

Metal	FA32212-1 Original	DUP	RPD	QC Limits	FA32212-1 Original MS	Spikelot MPFLICP2 % Rec	QC Limits		
Aluminum	anr								
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron	anr								
Lead	0.0	0.0	NC	0-20	0.0	524	500	104.8	80-120
Magnesium									
Manganese	anr								
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP30113: FA32107-28

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.5.2
 6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30113
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/15/16

Metal	FA32212-1 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit		
Aluminum	anr					
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron	anr					
Lead	0.0	519	500	103.8	1.0	20
Magnesium						
Manganese	anr					
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium	anr					
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP30113: FA32107-28

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.5.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30113
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/15/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	anr			
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron	anr			
Lead	530	500	106.0	80-120
Magnesium				
Manganese	anr			
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium	anr			
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30113: FA32107-28

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.5.3
 6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30113
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/15/16

Metal	FA32212-1	Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr				
Antimony					
Arsenic					
Barium					
Beryllium					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron	anr				
Lead	0.00	0.00	NC		0-10
Magnesium					
Manganese	anr				
Molybdenum					
Nickel					
Potassium					
Selenium					
Silver					
Sodium	anr				
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc					

Associated samples MP30113: FA32107-28

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.5.4
 6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30113
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date:

03/15/16

Metal	Sample ml	Final ml	FA32212-1 Raw	PS Corr.** ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	9.8	10		51	0.2	2.5	50	102.0	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP30113: FA32107-28

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (**) Corr. sample result = Raw * (sample volume / final volume)
 (anr) Analyte not requested

6.5.5
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA32107
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30263
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 04/21/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.4	3.5		
Antimony	2.0	.1	.13		
Arsenic	1.0	.13	.2		
Barium	20	.1	.1		
Beryllium	0.50	.02	.05		
Cadmium	0.40	.02	.05		
Calcium	500	5	5		
Chromium	1.0	.1	.1		
Cobalt	5.0	.02	.05		
Copper	2.5	.1	.1		
Iron	30	1.7	1.7		
Lead	2.0	.1	.1	-0.022	<2.0
Magnesium	500	3.5	3.6		
Manganese	1.5	.05	.05		
Molybdenum	5.0	.03	.05		
Nickel	4.0	.04	.05		
Potassium	1000	20	20		
Selenium	2.0	.24	.24		
Silver	1.0	.07	.082		
Sodium	1000	50	50		
Strontium	1.0	.05	.05		
Thallium	1.0	.11	.11		
Tin	5.0	.09	.09		
Titanium	1.0	.05	.05		
Vanadium	5.0	.05	.05		
Zinc	2.0	.3	.3		

Associated samples MP30263: FA32107-1, FA32107-4, FA32107-7, FA32107-10, FA32107-13

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.6.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30263
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/21/16 04/21/16

Metal	FA31998-1		QC Limits	FA31998-1		QC Limits
	Original	DUP		Original	DUP	
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead	116	120	3.4	0-20	116 134	14.4 0-20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP30263: FA32107-1, FA32107-4, FA32107-7, FA32107-10, FA32107-13

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.6.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30263
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/21/16

Metal	FA31998-1 Original MS	Spikelot MPFLICP2 % Rec	QC Limits
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead	116 125	9.76 92.0	80-120
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

Associated samples MP30263: FA32107-1, FA32107-4, FA32107-7, FA32107-10, FA32107-13

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.6.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30263
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/21/16

Metal	FA31998-1 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	116 132	9.56 167.4(a)	5.4	20
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30263: FA32107-1, FA32107-4, FA32107-7, FA32107-10, FA32107-13

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

6.6.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30263
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/21/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	10.1	10	101.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30263: FA32107-1, FA32107-4, FA32107-7, FA32107-10, FA32107-13

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.6.3
9

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30263
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 04/21/16

Metal	FA31998-1	QC
	Original SDL 5:25 %DIF	Limits

Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	6180	6180	0.1	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30263: FA32107-1, FA32107-4, FA32107-7, FA32107-10, FA32107-13

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.6.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30263
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 04/21/16

Metal	Sample ml	Final ml	FA31998-1 Raw	PS Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead	9.8	10	6177	6053.46	6317	0.2	2.5	50	527.1*(a	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP30263: FA32107-1, FA32107-4, FA32107-7, FA32107-10, FA32107-13

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(**) Corr. sample result = Raw * (sample volume / final volume)

(anr) Analyte not requested

(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

6.6.5
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA32107
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30269
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 04/22/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.4	3.5		
Antimony	2.0	.1	.13		
Arsenic	1.0	.13	.2		
Barium	20	.1	.1		
Beryllium	0.50	.02	.05		
Cadmium	0.40	.02	.05		
Calcium	500	5	5		
Chromium	1.0	.1	.1		
Cobalt	5.0	.02	.05		
Copper	2.5	.1	.1		
Iron	30	1.7	1.7		
Lead	2.0	.1	.1	0.0	<2.0
Magnesium	500	3.5	3.6		
Manganese	1.5	.05	.05		
Molybdenum	5.0	.03	.05		
Nickel	4.0	.04	.05		
Potassium	1000	20	20		
Selenium	2.0	.24	.24		
Silver	1.0	.07	.082		
Sodium	1000	50	50		
Strontium	1.0	.05	.05		
Thallium	1.0	.11	.11		
Tin	5.0	.09	.09		
Titanium	1.0	.05	.05		
Vanadium	5.0	.05	.05		
Zinc	2.0	.3	.3		

Associated samples MP30269: FA32107-16, FA32107-19, FA32107-22, FA32107-23

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.7.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30269
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/22/16 04/22/16

Metal	FA32107-16		QC Limits	FA32107-16		QC Limits
	Original	DUP		Original	DUP	
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead	108	114	5.4	0-20	108 107	0.9 0-20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP30269: FA32107-16, FA32107-19, FA32107-22, FA32107-23

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.7.2
 6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30269
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/22/16

Metal	FA32107-16 Original MS	Spikelot MPFLICP2 % Rec	QC Limits
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead	108 113	9.56	52.3 (a) 80-120
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

Associated samples MP30269: FA32107-16, FA32107-19, FA32107-22, FA32107-23

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

6.7.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30269
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/22/16

Metal	FA32107-16 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	108 124	9.74	164.2(a) 9.3	20
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30269: FA32107-16, FA32107-19, FA32107-22, FA32107-23

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

6.7.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30269
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/22/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	10.0	10	100.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30269: FA32107-16, FA32107-19, FA32107-22, FA32107-23

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.7.3
6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30269
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 04/22/16

Metal	FA32107-16	QC
	Original SDL 5:25 %DIF	Limits

Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	5560	5430	2.5	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30269: FA32107-16, FA32107-19, FA32107-22, FA32107-23

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.7.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA32107
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30269
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date:

04/22/16

Metal	Sample ml	Final ml	FA32107-16 Raw	PS Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead	9.8	10	5562	5450.76	5435	0.2	2.5	50	-31.5*(a	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP30269: FA32107-16, FA32107-19, FA32107-22, FA32107-23

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(**) Corr. sample result = Raw * (sample volume / final volume)

(anr) Analyte not requested

(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

6.7.5
6

Instrument Detection Limits

Job Number: FA32107
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1	Effective Date: 01/27/15
-------------------------	--------------------------

Analyte	IDL ug/l
Aluminum	14
Antimony	1
Arsenic	1.3
Barium	1
Beryllium	.2
Cadmium	.2
Calcium	50
Chromium	1
Cobalt	.2
Copper	1
Iron	17
Lead	1
Magnesium	35
Manganese	.5
Molybdenum	.3
Nickel	.4
Potassium	200
Selenium	2.4
Silicon	5
Silver	.7
Sodium	500
Strontium	.5
Sulfur	5
Thallium	1.1
Tin	.9
Titanium	.5
Vanadium	.5
Zinc	3

The above applies to the following instrument runs:
MA13033,MA13104,MA13106

6.8
9

Instrument Detection Limits

Job Number: FA32107
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE2	Effective Date: 01/27/15
-------------------------	--------------------------

Analyte	IDL ug/l
Aluminum	14
Antimony	1
Arsenic	1.3
Barium	1
Beryllium	.2
Cadmium	.2
Calcium	50
Chromium	1
Cobalt	.2
Copper	1
Iron	17
Lead	1
Magnesium	35
Manganese	.5
Molybdenum	.3
Nickel	.4
Potassium	200
Selenium	2.4
Silicon	5
Silver	.7
Sodium	500
Strontium	.5
Sulfur	5
Thallium	1.1
Tin	.9
Titanium	.5
Vanadium	.5
Zinc	3

The above applies to the following instrument runs:
MA13107

6.8
9

Instrument Linear Ranges

Job Number: FA32107
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1

Effective Date: 08/13/13

Analyte	Linear Range ug/l
Aluminum	500000
Antimony	10000
Arsenic	10000
Barium	10000
Beryllium	10000
Cadmium	10000
Calcium	500000
Chromium	10000
Cobalt	10000
Copper	10000
Iron	500000
Lead	10000
Magnesium	500000
Manganese	10000
Molybdenum	10000
Nickel	10000
Potassium	80000
Selenium	10000
Silver	1000
Sodium	80000
Strontium	10000
Sulfur	10000
Thallium	10000
Tin	10000
Titanium	10000
Vanadium	10000
Zinc	10000

The above applies to the following instrument runs:
MA13033,MA13104,MA13106

6.8
9

Instrument Linear Ranges

Job Number: FA32107
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE2 Effective Date: 10/22/10

Analyte	Linear Range ug/l
Aluminum	500000
Antimony	10000
Arsenic	10000
Barium	10000
Beryllium	10000
Cadmium	10000
Calcium	500000
Chromium	10000
Cobalt	10000
Copper	10000
Iron	500000
Lead	10000
Magnesium	500000
Manganese	10000
Molybdenum	10000
Nickel	10000
Potassium	80000
Selenium	10000
Silver	1000
Sodium	80000
Strontium	10000
Thallium	10000
Tin	10000
Titanium	10000
Vanadium	10000
Zinc	10000

The above applies to the following instrument runs:
MA13107

6.8
9

Metals Analysis

Raw Data

Sample Name: HSTD Acquired: 3/15/2016 10:11:13 Type: QC
 Method: 60102007_042011(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4921	78.57	3.972	3.976	3.954	78.21	3.928	3.939	3.895
Stddev	.0021	.35	.003	.016	.012	.42	.005	.005	.008
%RSD	.4196	.4456	.0802	.3909	.2974	.5397	.1312	.1224	.2001

#1	.4898	78.72	3.970	3.985	3.956	78.19	3.928	3.940	3.899
#2	.4939	78.83	3.970	3.984	3.965	78.64	3.922	3.934	3.886
#3	.4925	78.17	3.976	3.958	3.942	77.79	3.932	3.943	3.900

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.941	78.93	78.82	78.49	3.861	3.968	78.78	3.935	3.980
Stddev	.014	.32	.27	.45	.009	.003	.19	.003	.002
%RSD	.3662	.4016	.3472	.5745	.2403	.0632	.2368	.0820	.0446

#1	3.925	78.92	78.82	78.34	3.872	3.967	78.88	3.936	3.979
#2	3.953	79.25	79.10	78.99	3.857	3.966	78.89	3.931	3.979
#3	3.946	78.62	78.55	78.12	3.856	3.971	78.56	3.938	3.982

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.978	3.965	3.816	3.943	3.940	3.897	3.955	3.937	3.923
Stddev	.008	.009	.002	.005	.032	.015	.004	.001	.008
%RSD	.1966	.2268	.0584	.1330	.8006	.3878	.1136	.0246	.1967

#1	3.972	3.956	3.814	3.942	3.917	3.906	3.951	3.937	3.928
#2	3.975	3.966	3.818	3.939	3.976	3.904	3.953	3.937	3.914
#3	3.987	3.974	3.815	3.949	3.926	3.879	3.960	3.938	3.927

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 3/15/2016 10:11:13 Type: QC
 Method: 60102007_042011(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2183.8	4910.7	3884.7	4050.5
Stddev	3.3	4.2	53.	29.8
%RSD	.14914	.08611	.13631	.73468

#1	2184.4	4912.6	3888.0	4044.2
#2	2180.3	4905.8	3878.6	4024.3
#3	2186.7	4913.6	3887.5	4082.8

Sample Name: ICV Acquired: 3/15/2016 10:19:57 Type: QC
 Method: 60102007_042011(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2395	41.40	1.983	2.047	2.055	42.72	2.029	2.024	2.009
Stddev	.0005	.27	.003	.011	.009	.21	.000	.001	.005
%RSD	.1991	.6412	.1422	.5323	.4407	.4869	.0040	.0323	.2414

#1	.2400	41.33	1.982	2.044	2.050	42.67	2.029	2.024	2.005
#2	.2396	41.69	1.982	2.059	2.066	42.95	2.029	2.023	2.014
#3	.2390	41.17	1.987	2.038	2.050	42.54	2.029	2.024	2.008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.962	42.00	42.10	42.87	2.085	1.905	42.74	2.028	2.003
Stddev	.003	.20	.21	.27	.006	.002	.18	.002	.002
%RSD	.1655	.4736	.5031	.6363	.2978	.1045	.4251	.1116	.1103

#1	1.962	41.91	42.04	42.76	2.077	1.903	42.63	2.026	2.001
#2	1.965	42.22	42.33	43.18	2.088	1.903	42.95	2.029	2.004
#3	1.958	41.85	41.91	42.66	2.089	1.907	42.64	2.030	2.005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.996	2.015	1.331	2.029	1.907	1.947	2.065	1.869	2.047
Stddev	.003	.003	.0016	.001	.014	.004	.009	.003	.003
%RSD	.1659	.1284	1.198	.0495	.7068	.2297	.4203	.1791	.1478

#1	1.998	2.013	.1326	2.028	1.904	1.942	2.055	1.873	2.045
#2	1.993	2.018	.1319	2.030	1.921	1.951	2.068	1.867	2.051
#3	1.998	2.016	.1349	2.029	1.894	1.949	2.072	1.868	2.046

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 3/15/2016 10:19:57 Type: QC
 Method: 60102007_042011(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2322.4	5043.3	3940.0	4062.2
Stddev	5.5	8.2	33.	29.1
%RSD	.23802	.16201	.08270	.71538

#1	2328.2	5044.6	3939.9	4065.8
#2	2321.9	5050.8	3943.3	4031.5
#3	2317.2	5034.6	3936.8	4089.2

Sample Name: ICB Acquired: 3/15/2016 10:28:15 Type: QC
 Method: 60102007_042011(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	-0.022	.0011	-0.003	.0000	.0024	.0000	-0.001	.0000
Stddev	.0002	.0075	.0006	.0001	.000	.0025	.000	.0001	.0001
%RSD	84.29	339.8	50.27	44.53	317.3	107.4	29.25	151.4	344.2
#1	.0000	.0031	.0005	-.0003	-.0001	.0012	.0000	.0000	-.0001
#2	-.0004	-.0108	.0015	-.0001	-.0001	.0053	.0000	-.0002	.0002
#3	-.0002	.0010	.0014	-.0003	.0001	.0006	.0000	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0036	-0.192	-0.040	-0.001	.0002	-0.107	.0001	-0.004
Stddev	.0002	.0012	.0300	.0158	.0000	.0001	.0005	.0001	.0003
%RSD	94.49	33.13	156.0	392.5	19.08	73.06	4.757	101.7	73.58
#1	-.0003	.0047	-.0005	.0141	-.0001	.0003	-.0103	.0000	-.0007
#2	.0000	.0023	-.0034	-.0146	-.0001	.0002	-.0113	.0001	-.0001
#3	-.0003	.0037	-.0539	-.0116	-.0001	.0000	-.0104	.0001	-.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	-0.004	.0027	.0004	-0.001	.0002	-0.011	-0.002	.0000
Stddev	.0007	.0020	.0006	.0001	.0000	.0000	.0012	.0002	.000
%RSD	123.9	558.7	22.20	29.77	16.43	28.79	109.0	92.47	1138.
#1	.0001	.0011	.0021	.0003	-.0001	.0002	-.0023	-.0003	.0000
#2	.0002	-.0027	.0027	.0004	-.0002	.0001	-.0011	-.0002	.0000
#3	.0014	.0005	.0033	.0006	-.0001	.0002	.0001	.0000	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 3/15/2016 10:28:15 Type: QC
 Method: 60102007_042011(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2653.7	5277.8	40934.	4071.1
Stddev	3.7	2.4	55.	34.3
%RSD	.13760	.04476	.13529	.84358
#1	2653.6	5276.9	40967.	4089.0
#2	2657.4	5280.5	40870.	4092.8
#3	2650.1	5276.0	40964.	4031.5

7.1
7

Sample Name: CRIA Acquired: 3/15/2016 10:33:16 Type: QC
 Method: 60102007_042011(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0092	.2009	.0096	.1967	.0051	1.030	.0053	.0522	.0107
Stddev	.0002	.0058	.0005	.0008	.0001	.009	.0000	.0001	.0001
%RSD	2.326	2.881	5.197	4.084	1.773	.8866	.8682	.1416	.7355
#1	.0094	.2035	.0098	.1967	.0050	1.020	.0053	.0521	.0108
#2	.0094	.2050	.0090	.1959	.0050	1.030	.0054	.0522	.0107
#3	.0090	.1943	.0100	.1975	.0052	1.039	.0053	.0522	.0107

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0255	.3107	10.01	5.172	.0162	.0483	10.12	.0421	.0048
Stddev	.0000	.0025	.04	.047	.0001	.0002	.01	.0002	.0004
%RSD	.0971	.8197	4.266	.9061	.6004	.3601	.1428	.5010	9.163
#1	.0254	.3099	10.00	5.134	.0161	.0483	10.12	.0421	.0053
#2	.0254	.3087	9.979	5.225	.0163	.0482	10.11	.0419	.0045
#3	.0255	.3136	10.06	5.158	.0163	.0485	10.14	.0423	.0046

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0057	.0087	.0472	.0523	.0097	.0100	.0096	.0478	.0224
Stddev	.0008	.0010	.0008	.0002	.0000	.0001	.0008	.0003	.0001
%RSD	13.95	12.07	1.677	.4391	.4921	.7213	8.174	.6541	.4632
#1	.0065	.0081	.0474	.0520	.0097	.0101	.0090	.0475	.0224
#2	.0049	.0099	.0479	.0525	.0098	.0100	.0105	.0481	.0225
#3	.0057	.0080	.0464	.0523	.0097	.0100	.0094	.0479	.0223

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 3/15/2016 10:33:16 Type: QC
 Method: 60102007_042011(v3) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2598.4	5295.6	40821.	4082.5
Stddev	4.6	9.4	104.	8.7
%RSD	.17525	.17714	.25415	.21238
#1	2600.3	5303.8	40721.	4082.2
#2	2601.7	5297.6	40813.	4074.1
#3	2593.2	5285.4	40928.	4091.4

Sample Name: ICSEA Acquired: 3/15/2016 10:42:23 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.010	492.3	-0.015	-0.004	-0.002	469.9	-0.004	-0.001	.0003
Stddev	.0006	6.8	.0009	.0002	.0001	3.3	.0002	.0002	.0003
%RSD	59.84	1.389	62.56	42.98	34.06	.6954	37.80	114.9	88.46
#1	-0.007	486.4	-0.024	-0.003	-0.002	466.7	-0.005	-0.003	.0001
#2	-0.016	499.8	-0.006	-0.006	-0.001	473.2	-0.005	.0000	.0002
#3	-0.006	490.7	-0.015	-0.003	-0.001	469.9	-0.002	-0.001	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	183.9	-0.211	513.0	-0.007	.0001	.1151	.0001	.0000
Stddev	.0002	.5	.0352	2.6	.0000	.0002	.0082	.0003	.0011
%RSD	19.17	.2593	166.5	.5035	4.832	283.6	7.089	385.6	2663.
#1	.0007	183.6	.0160	511.6	-.0008	.0000	.1234	-.0002	.0010
#2	.0010	184.4	-.0254	516.0	-.0008	.0002	.1072	.0000	-.0012
#3	.0011	183.6	-.0539	511.5	-.0007	.0000	.1145	.0005	.0004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.011	.0011	.0420	F .0015	-0.001	.0002	.0019	.0000	-.0016
Stddev	.0032	.0053	.0016	.0007	.0001	.0001	.0011	.000	.0002
%RSD	286.1	459.8	3.813	44.95	69.20	41.57	56.16	2227.	13.16
#1	.0020	.0062	.0402	.0009	-.0001	.0001	.0030	-.0003	-.0014
#2	-.0043	-.0043	.0432	.0022	-.0002	.0003	.0019	.0002	-.0018
#3	-.0010	.0016	.0426	.0015	-.0001	.0002	.0009	.0001	-.0016

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.1
7

Sample Name: ICSEA Acquired: 3/15/2016 10:42:23 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2113.0	4743.5	36317.	3915.7
Stddev	2.7	9.8	113.	20.2
%RSD	.12862	.20646	.31222	.51530
#1	2110.9	4754.7	36186.	3935.9
#2	2112.0	4739.0	36391.	3895.5
#3	2116.1	4736.8	36373.	3915.7

Sample Name: ICSAB Acquired: 3/15/2016 10:47:40 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.053	494.5	1.098	.5201	.5166	474.1	.9865	.4877	.5164
Stddev	.000	4.6	.004	.0010	.0012	4.5	.0016	.0006	.0007
%RSD	.0346	.9263	.373	.2015	.2324	.9553	.1576	.1149	.1267
#1	1.053	499.7	1.099	.5193	.5175	474.4	.9875	.4883	.5162
#2	1.053	492.8	1.093	.5196	.5152	469.4	.9872	.4877	.5171
#3	1.053	491.1	1.100	.5213	.5170	478.4	.9847	.4872	.5159

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5506	183.7	.0310	512.1	.5174	.9517	.1308	.9731	.9927
Stddev	.0013	.3	.0281	1.7	.0012	.0009	.0086	.0003	.0025
%RSD	.2387	.1561	90.60	.3411	.2226	.0920	6.592	.0336	.2561
#1	.5501	183.9	.0481	513.6	.5180	.9527	.1359	.9729	.9898
#2	.5496	183.4	-.0014	510.2	.5181	.9510	.1357	.9734	.9939
#3	.5521	183.8	.0462	512.4	.5161	.9513	.1208	.9728	.9944

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.038	1.036	.0774	.9519	.9974	1.008	.9723	.4697	.9809
Stddev	.002	.004	.0012	.0003	.0018	.001	.0008	.0010	.0033
%RSD	.2231	.4270	1.502	.0271	.1760	.0456	.0844	.2106	.3374
#1	1.040	1.041	.0765	.9520	.9957	1.008	.9731	.4702	.9795
#2	1.036	1.036	.0787	.9521	.9972	1.009	.9724	.4703	.9847
#3	1.040	1.032	.0770	.9516	.9992	1.008	.9715	.4685	.9786

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 3/15/2016 10:47:40 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2066.1	4690.5	36200.	3891.6
Stddev	1.7	7.1	28.	21.7
%RSD	.08269	.15049	.07611	.55771
#1	2064.1	4682.4	36171.	3891.3
#2	2067.2	4694.8	36205.	3913.5
#3	2067.0	4694.4	36225.	3870.1

Sample Name: CCV Acquired: 3/15/2016 10:55:35 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2510	39.76	2.031	1.969	2.007	39.75	2.055	2.027	2.033
Stddev	.0007	.15	.003	.007	.008	.09	.000	.002	.002
%RSD	.2787	.3761	.1652	.3792	.4145	.2364	.0078	.0993	.1067

#1	.2507	39.86	2.033	1.972	2.013	39.83	2.055	2.028	2.034
#2	.2518	39.82	2.027	1.975	2.011	39.77	2.055	2.029	2.031
#3	.2505	39.59	2.033	1.960	1.998	39.64	2.055	2.025	2.035

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.989	38.99	39.64	39.84	2.076	2.009	40.18	2.012	2.010
Stddev	.005	.15	.11	.12	.003	.001	.16	.002	.003
%RSD	.2451	.3888	.2895	.2913	.1618	.0448	.3911	.1098	.1605

#1	1.991	39.08	39.63	39.88	2.075	2.008	40.25	2.013	2.007
#2	1.984	39.08	39.76	39.94	2.073	2.010	40.29	2.014	2.010
#3	1.993	38.82	39.53	39.71	2.079	2.009	40.00	2.010	2.014

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.022	2.023	2.111	2.023	1.973	2.051	2.030	1.993	2.036
Stddev	.002	.004	.003	.002	.010	.002	.006	.003	.001
%RSD	.0897	.1996	.1456	.0809	.5033	.1152	.3162	.1637	.0703

#1	2.024	2.018	2.112	2.025	1.979	2.050	2.023	1.997	2.037
#2	2.022	2.026	2.108	2.022	1.979	2.049	2.035	1.991	2.036
#3	2.020	2.025	2.114	2.022	1.961	2.053	2.031	1.992	2.034

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/15/2016 10:55:35 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2332.7	5024.5	39398.	4083.4
Stddev	1.9	2.9	92.	11.6
%RSD	.07986	.05785	.23261	.28448

#1	2334.3	5022.7	39383.	4077.4
#2	2330.7	5023.0	39496.	4076.0
#3	2333.0	5027.9	39315.	4096.8

Sample Name: CCB Acquired: 3/15/2016 11:02:00 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	.0050	.0001	-0.0001	.0000	.0022	.0001	-0.0001	.0004
Stddev	.0002	.0025	.0002	.0011	.000	.0005	.0000	.0001	.0002
%RSD	140.7	49.23	268.3	57.12	136.2	21.74	38.27	71.88	63.35

#1	-.0003	.0059	-.0001	-.0001	-.0001	.0023	.0001	-.0001	.0004
#2	.0000	.0023	.0002	-.0001	.0000	.0017	.0001	.0000	.0001
#3	-.0001	.0070	.0001	-.0002	-.0001	.0026	.0001	-.0002	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0068	-0.0153	-0.0026	.0000	.0001	.0008	.0001	-0.0005
Stddev	.0002	.0018	.0585	.0181	.0000	.0001	.0036	.0002	.0007
%RSD	60.97	27.10	381.6	687.1	87.61	95.87	435.7	153.3	158.6

#1	.0004	.0075	-.0679	.0062	.0000	.0002	.0048	-.0001	-.0009
#2	.0004	.0083	-.0258	-.0234	.0000	.0002	-.0005	.0002	-.0010
#3	.0001	.0047	.0477	.0093	.0000	.0000	-.0019	.0002	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	.0014	-0.0003	.0002	.0000	.0002	.0009	-0.0001	-0.0001
Stddev	.0008	.0010	.0004	.0001	.0000	.0001	.0008	.0002	.0001
%RSD	62.47	74.09	175.4	52.76	159.1	24.68	87.16	243.0	153.4

#1	.0017	.0022	.0000	.0001	.0000	.0002	.0017	.0001	-.0002
#2	.0017	.0002	.0000	.0002	.0001	.0003	.0001	-.0002	.0000
#3	.0003	.0017	-.0008	.0003	.0000	.0002	.0011	-.0002	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/15/2016 11:02:00 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2629.0	5204.0	40666.	4124.0
Stddev	5.0	11.6	114.	39.6
%RSD	.19162	.22242	.27951	.96048

#1	2634.6	5216.4	40781.	4166.2
#2	2624.9	5193.4	40665.	4087.6
#3	2627.4	5202.3	40553.	4118.3

Sample Name: FA32076-10 Acquired: 3/15/2016 11:06:55 Type: Unk
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.152	271.1	1.009	9.453	0.097	239.5	0.899	1.930	1.261
Stddev	.0023	.7	.0026	.045	.0008	1.2	.0007	.0008	.004
%RSD	14.81	.2682	2.580	.4752	7.750	.4922	.7414	.4030	.3006
#1	.0161	271.0	.1004	9.471	.0097	238.6	.0898	.1933	1.263
#2	.0169	270.4	.1038	9.402	.0105	239.1	.0906	.1935	1.257
#3	.0127	271.9	.0986	9.486	.0090	240.9	.0892	.1921	1.264
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	3.743	452.2	82.25	105.8	8.230	1.998	7.416	8.322	38.31
Stddev	.015	2.3	.28	.6	.022	.0020	.036	.0030	.03
%RSD	.4105	.5079	.3357	.5880	.2706	1.012	.4796	.3589	.0810
#1	3.743	450.0	82.57	105.2	8.251	1.975	7.456	8.338	38.31
#2	3.728	452.0	82.08	105.8	8.206	2.005	7.403	8.288	38.27
#3	3.759	454.6	82.10	106.4	8.233	2.013	7.388	8.341	38.33
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.014	0.073	11.80	8.284	1.650	15.11	0.115	0.6915	17.39
Stddev	.0089	.0062	.03	.0042	.005	.04	.0083	.0024	.03
%RSD	17.24	84.33	.2174	.5029	.3030	.2561	71.65	.3530	.1584
#1	.0427	.0008	11.78	.8302	1.653	15.13	.0137	.6915	17.40
#2	.0604	.0131	11.79	.8236	1.645	15.06	.0186	.6890	17.36
#3	.0511	.0081	11.83	.8313	1.653	15.13	.0024	.6939	17.42
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2524.6	5361.1	41707.	4313.9					
Stddev	5.4	8.1	96.	17.8					
%RSD	.21520	.15092	.22999	.41175					
#1	2528.5	5369.9	41775.	4333.0					
#2	2518.4	5353.9	41748.	4310.9					
#3	2526.8	5359.6	41597.	4297.8					

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Sample Name: FA32154-4 Acquired: 3/15/2016 11:11:13 Type: Unk
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.015	249.6	0.708	2.522	0.074	26.51	-0.037	0.010	0.506
Stddev	.0047	.7	.0010	.007	.0003	.11	.0008	.0011	.0042
%RSD	313.7	.2872	1.364	.2881	4.522	.4205	22.40	9.871	.8359
#1	-0.031	250.0	.0719	2.530	.0077	26.59	-0.046	.0123	.5050
#2	.0013	248.8	.0701	2.520	.0070	26.39	-0.029	.0103	.5001
#3	.0063	250.0	.0704	2.516	.0074	26.56	-0.036	.0105	.4967
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	0.049	309.2	2.255	10.47	4.171	0.003	5.273	0.061	2.212
Stddev	.0009	1.4	.168	.19	.0008	.0009	.0210	.0016	.0032
%RSD	2.679	.4525	7.426	1.858	.1847	273.4	3.987	2.353	1.442
#1	.0345	310.7	2.369	10.62	.4175	.0014	5.035	.0646	.2203
#2	.0360	308.0	2.063	10.55	.4176	-0.002	5.433	.0677	.2187
#3	.0342	308.9	2.334	10.25	.4163	-0.002	5.352	.0660	.2248
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.054	-0.054	6.395	0.021	2.498	1.757	0.012	5.340	1.373
Stddev	.0043	.0120	.031	.0024	.011	.003	.0118	.0011	.0009
%RSD	78.93	221.4	4.824	10.80	.4515	.1540	942.0	.2118	.6811
#1	-0.086	-0.192	6.363	.0245	2.511	1.760	.0098	.5352	.1382
#2	-0.0005	.0019	6.398	.0221	2.489	1.757	.0061	.5334	.1364
#3	-0.0072	.0012	6.424	.0197	2.495	1.754	-.0121	.5355	.1371
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2571.4	5891.2	45903.	4684.8					
Stddev	4.4	18.8	154.	13.1					
%RSD	.16927	.31970	.33495	.27963					
#1	2576.3	5912.4	45743.	4669.9					
#2	2569.9	5884.8	46050.	4694.6					
#3	2568.1	5876.3	45917.	4690.0					

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Sample Name: MP30110-D1 Acquired: 3/15/2016 11:15:34 Type: Unk
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.025	259.7	0.658	2.674	0.074	32.36	-0.040	0.108	0.5306
Stddev	.0012	.6	.0021	.020	.0004	.18	.0003	.0003	.0051
%RSD	46.87	.2267	3.121	.7357	4.991	.5614	8.779	3.173	.9568
#1	-0.031	259.1	.0682	2.675	.0078	32.35	-0.039	.0112	.5248
#2	-0.032	260.2	.0645	2.693	.0075	32.18	-0.037	.0105	.5342
#3	-0.011	260.0	.0647	2.654	.0071	32.54	-0.044	.0106	.5329
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0358	324.9	1.779	13.39	4.705	-0.003	5.495	0.691	2.364
Stddev	.0020	.8	.215	.19	.0025	.0010	.0710	.0009	.0047
%RSD	5.531	.2543	12.05	1.406	.5403	286.7	12.92	1.310	1.984
#1	.0340	324.0	1.971	13.60	.4691	-0.015	4.697	.0696	.2374
#2	.0379	325.0	1.819	13.33	.4734	.0004	5.730	.0697	.2313
#3	.0356	325.6	1.548	13.24	.4689	.0001	6.058	.0681	.2405
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0083	0.019	5.057	0.021	2.671	1.692	-0.060	5.539	1.512
Stddev	.0028	.0133	.004	.0013	.009	.006	.0045	.0007	.0005
%RSD	34.16	710.3	.0840	5.553	.3446	.3338	74.31	.1333	.3449
#1	-0.0071	-0.134	5.056	.0245	2.660	1.687	-0.036	.5543	.1510
#2	-0.0063	.0107	5.061	.0229	2.676	1.698	-0.112	.5544	.1508
#3	-0.0116	.0083	5.053	.0219	2.677	1.691	-0.033	.5531	.1518
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2605.8	6048.8	47261.	4791.2					
Stddev	3.6	9.1	194.	15.5					
%RSD	.13682	.15052	.41113	.32365					
#1	2602.0	6041.9	47145.	4784.1					
#2	2609.1	6045.5	47153.	4809.0					
#3	2606.3	6059.1	47486.	4780.6					

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Sample Name: MP30110-S1 Acquired: 3/15/2016 11:19:56 Type: Unk
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0413	318.6	1.897	4.915	0.579	50.43	0.463	0.5084	0.7872
Stddev	.0035	.5	.009	.017	.0010	.26	.0002	.0005	.0010
%RSD	8.462	.1723	.4834	.3519	1.710	5056	.3277	.1052	.1235
#1	.0374	318.0	1.895	4.906	.0568	50.63	.0463	.5088	.7870
#2	.0423	319.1	1.907	4.935	.0587	50.14	.0462	.5078	.7864
#3	.0441	318.5	1.889	4.904	.0581	50.51	.0465	.5086	.7883
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.2905	347.0	26.96	35.28	1.095	3.910	25.70	5.847	8.147
Stddev	.0026	.7	.05	.16	.001	.0026	.17	.0023	.0067
%RSD	.8836	.1990	.1965	.4536	.0495	.6645	.6772	.3955	.8269
#1	.2883	346.9	26.93	35.23	1.094	.3914	25.56	.5834	.8164
#2	.2901	347.7	27.02	35.46	1.095	.3882	25.90		

Sample Name: MP30110-S2 Acquired: 3/15/2016 11:24:14 Type: Unk
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.096	331.8	1.855	4.877	0.057	46.10	0.042	4.990	7.198
Stddev	.0017	.6	.005	.007	.0009	.21	.0009	.0010	.0047
%RSD	4.253	.1880	.2940	.1515	1.628	.4493	1.982	.2006	.6582
#1	.0377	331.2	1.860	4.877	.0573	46.03	.0432	4.979	7.189
#2	.0409	332.5	1.856	4.884	.0587	46.33	.0447	4.999	7.155
#3	.0401	331.7	1.849	4.869	.0570	45.93	.0447	4.993	7.249
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.832	355.5	26.59	32.80	9503	3.835	24.90	5.804	7.990
Stddev	.0023	.5	.27	.09	.0018	.0009	.16	.0035	.0045
%RSD	.8037	.1463	1.021	.2622	.1869	.2420	.6261	.6053	.5582
#1	.2854	355.1	26.49	32.70	.9493	3.824	24.85	5.817	8.040
#2	.2808	356.1	26.89	32.84	.9492	3.840	25.07	5.764	7.972
#3	.2833	355.3	26.37	32.86	.9523	3.840	24.77	5.830	7.956
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	1.095	1.808	4.710	4.996	3.371	2.004	2.133	1.019	6.639
Stddev	.0062	.013	.003	.0022	.001	.006	.004	.004	.0025
%RSD	5.653	.7000	.0639	.4314	.0409	.2794	.1994	.4313	.3823
#1	.1076	1.804	4.706	4.973	3.370	2.008	2.132	1.014	6.612
#2	.1164	1.822	4.711	5.016	3.372	1.998	2.138	1.023	6.662
#3	.1045	1.797	4.712	4.998	3.371	2.008	2.130	1.021	6.642
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2544.9	6046.2	4690.3	4762.8					
Stddev	1.1	7.5	25.	26.9					
%RSD	.04134	.12416	.05268	.56569					
#1	2546.1	6047.9	4693.1	4778.3					
#2	2544.3	6052.7	4689.6	4731.7					
#3	2544.2	6038.0	4688.3	4778.4					

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Sample Name: MP30110-PS1 Acquired: 3/15/2016 11:28:33 Type: Unk
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.042	244.1	1.574	2.693	0.0586	31.19	0.0474	0.0616	5.252
Stddev	.0025	.4	.0031	.001	.0002	.09	.0002	.0005	.0050
%RSD	5.697	.1700	1.999	.0360	.3467	.2801	.4637	.8539	.9596
#1	.0470	243.7	1.609	2.693	.0583	31.14	.0472	.0622	5.284
#2	.0422	244.4	1.563	2.694	.0587	31.15	.0473	.0613	5.194
#3	.0433	244.4	1.549	2.692	.0587	31.29	.0476	.0613	5.279
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.136	299.7	11.95	15.08	4.446	0.965	11.05	1.692	2.631
Stddev	.0017	.7	.18	.27	.0012	.0016	.08	.0019	.0020
%RSD	1.195	.2329	1.514	1.818	.2762	1.681	.7566	1.098	.7432
#1	.1414	298.9	12.12	14.76	.4451	0.962	10.95	1.693	2.627
#2	.1381	300.0	11.76	15.26	.4433	0.951	11.08	1.710	2.652
#3	.1394	300.2	11.98	15.21	.4456	0.983	11.11	1.673	2.614
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.096	0.892	7.869	0.729	2.478	1.831	1.092	5.612	4.363
Stddev	.0079	.0087	.003	.0024	.007	.007	.0075	.0031	.0010
%RSD	7.901	9.724	0.349	3.247	.2669	.3895	6.863	5.564	2.321
#1	.1002	.0802	7.866	.0744	2.472	1.832	1.009	5.580	4.360
#2	.1072	.0975	7.871	.0701	2.485	1.824	1.114	5.642	4.355
#3	.0915	.0899	7.870	.0741	2.476	1.838	1.154	5.612	4.374
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2589.0	5956.0	4625.6	4633.2					
Stddev	1.1	2.3	123.	19.7					
%RSD	.04093	.03887	.26511	.42602					
#1	2590.1	5958.3	4624.7	4633.9					
#2	2588.0	5953.7	4638.3	4652.6					
#3	2588.8	5956.0	4613.9	4613.1					

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7.1
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Sample Name: MP30110-SD1 Acquired: 3/15/2016 11:37:00 Type: Unk
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 50.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.072	270.2	0.234	2.714	0.020	28.68	-0.070	0.103	5.244
Stddev	.0109	1.1	.0313	.028	.0010	.20	.0009	.0054	.0113
%RSD	151.3	.3967	134.1	1.038	52.51	6.813	13.15	52.25	2.161
#1	.0018	269.9	.0591	2.693	.0010	28.55	-.0081	.0099	.5130
#2	.0001	269.3	.0010	2.704	.0031	28.91	-.0063	.0051	.5357
#3	.0197	271.4	.0100	2.746	.0020	28.59	-.0066	.0158	.5245
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.407	331.8	2.797	11.25	4.396	-0.254	5.640	0.674	1.900
Stddev	.0115	1.2	1.373	.68	.0033	.0070	.8152	.0043	.0297
%RSD	28.27	.3633	49.10	6.008	.7483	27.65	144.5	6.421	15.64
#1	.0311	332.8	1.531	10.84	.4411	-.0335	.0659	.0631	1.767
#2	.0535	330.4	2.602	10.88	.4419	-.0205	1.212	.0717	1.692
#3	.0376	332.1	4.257	12.03	.4358	-.0222	1.505	.0673	2.240
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.071	0.022	10.33	0.033	2.705	2.040	0.020	5.648	3.637
Stddev	.0384	.0465	.10	.0028	.011	.016	.0402	.0027	.0013
%RSD	141.6	2100.	.9695	8.307	.3936	.7797	198.9	.4777	.3506
#1	.0345	-.0310	10.41	.0302	2.695	2.028	-.0238	5.618	3.630
#2	.0612	-.0553	10.22	.0354	2.703	2.058	.0552	5.669	3.629
#3	-.0144	-.0176	10.36	.0344	2.716	2.033	.0293	5.657	3.652
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2627.8	5434.2	4246.4	4288.1					
Stddev	1.1	2.6	122.	18.3					
%RSD	.04130	.04781	.28818	.42760					
#1	2628.9	5437.2	4238.9	4308.4					
#2	2626.8	5432.6	4239.8	4282.9					
#3	2627.6	5432.9	4260.5	4272.8					

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Sample Name: MP30113-MB1 Acquired: 3/15/2016 11:41:27 Type: QC
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.000	-0.026	-0.013	-0.002	-0.001	-0.015	-0.001	-0.002	0.000
Stddev	.0004	.0068	.0001	.0002	.0001	.0010	.0001	.0001	.000
%RSD	6012.	261.1	7.483	125.5	44.33	67.22	46.80	51.23	6206.
#1	-.0002	-.0096	-.0012	-.0002	-.0001	-.0012	-.0001	-.0002	-.0003
#2	-.0005	-.0023	-.0013	-.0000	-.0002	-.0025	-.0002	-.0001	-.0002
#3	-.0003	.0040	-.0014	-.0004	-.0001	-.0006	-.0002	-.0003	-.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.001	0.082	-0.147	0.078	-0.001	-0.004	0.100	-0.001	

Sample Name: MP30113-MB1 Acquired: 3/15/2016 11:41:27 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2608.0	5198.7	41196.	4114.4
Stddev	1.8	7.5	67.	17.3
%RSD	.06713	.14513	.16188	.41959
#1	2606.7	5207.0	41254.	4096.6
#2	2610.0	5197.0	41123.	4131.1
#3	2607.3	5192.2	41212.	4115.5

Sample Name: MP30113-B1 Acquired: 3/15/2016 11:45:57 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0506	29.69	2.142	2.200	.0566	27.73	.0557	.5498	.2229
Stddev	.0004	.14	.002	.009	.0001	.13	.0001	.0005	.0010
%RSD	.8469	.4578	.0823	.4130	.0926	.4752	.2360	.0907	.4656
#1	.0504	29.55	2.143	2.191	.0565	27.60	.0557	.5493	.2224
#2	.0511	29.83	2.140	2.209	.0566	27.73	.0556	.5497	.2241
#3	.0503	29.70	2.143	2.199	.0566	27.86	.0559	.5503	.2222

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.2782	28.90	27.58	27.68	.5740	.5353	27.84	.5565	.5295
Stddev	.0003	.11	.12	.23	.0021	.0010	.16	.0002	.0017
%RSD	.1163	.3868	.4364	.8330	.3730	.1837	.5700	.0333	.3219
#1	.2781	28.77	27.62	27.55	.5744	.5349	27.68	.5566	.5279
#2	.2779	28.97	27.68	27.55	.5759	.5346	28.00	.5563	.5313
#3	.2785	28.95	27.44	27.95	.5717	.5364	27.84	.5566	.5294

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.5424	2.150	.0271	.5507	.5247	.5453	2.128	.5192	.5553
Stddev	.0026	.007	.0008	.0006	.0016	.0012	.005	.0010	.0019
%RSD	.4755	.3074	3.090	.1124	.3039	.2180	.2484	.1883	.3404
#1	.5454	2.145	.0281	.5506	.5230	.5458	2.123	.5192	.5537
#2	.5409	2.148	.0268	.5514	.5262	.5462	2.133	.5202	.5574
#3	.5409	2.158	.0265	.5502	.5250	.5440	2.127	.5182	.5548

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

7.1
7

Sample Name: MP30113-B1 Acquired: 3/15/2016 11:45:57 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2361.2	4967.1	38854.	3985.8
Stddev	2.7	16.4	70.	13.9
%RSD	.11267	.33090	.17938	.34805
#1	2359.0	4952.5	38812.	3998.8
#2	2364.2	4984.9	38817.	3987.4
#3	2360.4	4964.0	38935.	3971.2

Sample Name: FA32212-1 Acquired: 3/15/2016 11:50:10 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	.0000	.0263	.0007	.0114	-.0002	92.97	-.0002	-.0001	.0001
Stddev	.000	.0068	.0012	.0002	.0001	.30	.0000	.0001	.0001
%RSD	817.9	25.83	177.4	1.656	52.22	.3259	12.98	137.9	140.1
#1	.0001	.0208	.0007	.0114	-.0001	92.62	-.0002	.0000	.0001
#2	-.0001	.0339	-.0005	.0116	-.0002	93.17	-.0002	.0000	.0000
#3	.0000	.0243	.0019	.0112	-.0002	93.13	-.0002	-.0002	.0000

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	-.0002	.4144	1.367	2.206	.0123	.0008	10.51	.0002	-.0004
Stddev	.0002	.0037	.023	.024	.0001	.0001	.01	.0001	.0002
%RSD	123.2	.8891	1.693	1.103	.6268	15.84	.1132	28.42	47.57
#1	.0001	.4174	1.378	2.179	.0122	.0008	10.50	.0003	-.0004
#2	-.0003	.4156	1.340	2.211	.0124	.0009	10.50	.0003	-.0007
#3	-.0003	.4103	1.382	2.227	.0123	.0006	10.52	.0002	-.0002

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.0002	.0015	2.040	.0007	.6968	.0007	-.0010	.0001	.0072
Stddev	.0015	.0023	.004	.0004	.0030	.0001	.0016	.0002	.0000
%RSD	769.7	157.9	.1780	55.93	.4326	9.675	166.9	139.9	.4604
#1	.0008	.0038	2.037	.0006	.6936	.0007	.0001	-.0001	.0072
#2	.0012	-.0008	2.039	.0012	.6995	.0006	-.0001	.0002	.0072
#3	-.0015	.0014	2.044	.0004	.6972	.0006	-.0028	.0003	.0072

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2456.7	5012.6	39483.	4019.8
Stddev	3.7	6.7	399.	51.3
%RSD	.15054	.13275	1.0115	1.2772
#1	2460.2	5020.0	39943.	4078.4
#2	2457.1	5010.7	39278.	3982.8
#3	2452.8	5007.1	39227.	3998.2

Sample Name: CCV Acquired: 3/15/2016 11:54:37 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2561	40.50	2.032	2.021	2.032	41.01	2.061	2.050	2.046
Stddev	.0012	.26	.004	.008	.012	.30	.004	.002	.005
%RSD	.4622	.6466	.2197	.3928	.5984	.7216	.1996	.1059	.2632
#1	.2572	40.71	2.036	2.029	2.040	41.31	2.066	2.051	2.051
#2	.2548	40.59	2.027	2.020	2.037	41.00	2.058	2.047	2.041
#3	.2563	40.21	2.033	2.013	2.018	40.71	2.060	2.051	2.046

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.018	39.50	40.94	40.75	2.066	2.026	40.72	2.053	2.028
Stddev	.003	.28	.27	.33	.009	.002	.20	.001	.006
%RSD	.1266	.6991	.6679	.8107	.4466	.0920	.4981	.0636	.3172
#1	2.020	39.64	41.22	40.96	2.076	2.028	40.88	2.052	2.035
#2	2.019	39.68	40.93	40.92	2.058	2.025	40.78	2.052	2.025
#3	2.015	39.18	40.68	40.37	2.063	2.025	40.49	2.054	2.023

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.025	2.034	2.117	2.052	2.019	2.045	2.041	2.032	2.063
Stddev	.005	.001	.005	.003	.010	.006	.007	.007	.003
%RSD	.2305	.0565	.2276	.1383	.4856	.2789	.3240	.3237	.1530
#1	2.029	2.035	2.122	2.053	2.027	2.051	2.049	2.040	2.063
#2	2.026	2.033	2.117	2.048	2.023	2.039	2.037	2.028	2.061
#3	2.019	2.035	2.112	2.053	2.008	2.043	2.038	2.029	2.067

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/15/2016 11:54:37 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2303.6	5011.0	39247.	4028.4
Stddev	1.7	4.5	116.	38.3
%RSD	.07446	.08925	.29609	.95053
#1	2301.6	5008.0	39120.	3997.0
#2	2303.9	5016.1	39347.	4017.1
#3	2304.9	5008.8	39275.	4071.0

Sample Name: CCB Acquired: 3/15/2016 11:58:49 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0020	-0.0001	.0001	.0001	.0038	.0001	.0001	.0002
Stddev	.0001	.0095	.0004	.0001	.0001	.0019	.0000	.0001	.0002
%RSD	163.1	468.3	604.6	141.7	37.08	51.23	23.33	96.37	65.02
#1	.0000	-.0086	-.0005	-.0001	.0002	.0025	.0002	.0001	.0004
#2	.0002	.0095	-.0001	.0002	.0001	.0060	.0001	.0002	.0002
#3	.0000	.0051	.0004	.0001	.0001	.0029	.0001	.0000	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0088	.0069	-0.121	.0001	.0008	.0133	.0001	-0.0003
Stddev	.0002	.0017	.0200	.0198	.0000	.0002	.0117	.0001	.0006
%RSD	116.2	19.34	289.8	163.6	21.30	26.21	88.44	93.69	195.7
#1	.0002	.0088	-.0030	-.0342	.0001	.0009	-.0003	.0001	-.0010
#2	.0002	.0105	.0299	.0039	.0001	.0009	.0195	.0001	.0001
#3	.0000	.0071	-.0062	-.0060	.0000	.0006	.0206	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	.0003	.0000	.0006	.0002	.0005	.0001	.0001	.0000
Stddev	.0007	.0006	.000	.0002	.0000	.0001	.0014	.0002	.0001
%RSD	56.59	219.6	626.5	41.08	29.65	14.22	1589.	146.2	5560.
#1	.0021	-.0001	-.0003	.0007	.0001	.0005	-.0013	.0000	.0000
#2	.0010	.0010	.0001	.0006	.0002	.0005	.0001	.0001	.0000
#3	.0007	-.0001	.0001	.0003	.0001	.0004	.0015	.0003	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/15/2016 11:58:49 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2629.6	5262.0	41111.	4183.7
Stddev	8.2	12.9	151.	20.7
%RSD	.31248	.24510	.36795	.49444
#1	2638.6	5276.7	41037.	4162.7
#2	2627.7	5256.8	41011.	4204.0
#3	2622.5	5252.6	41285.	4184.3

Sample Name: MP30113-D1 Acquired: 3/15/2016 12:03:20 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.0284	-0.001	0.0111	-0.0002	92.99	-0.001	-0.001	0.001
Stddev	0.002	0.029	0.004	0.002	0.000	.25	0.000	0.000	0.001
%RSD	142.7	10.19	385.0	1.732	8.701	.2711	39.62	20.68	81.62
#1	.0001	.0270	.0002	.0113	-.0002	92.73	-.0002	-.0001	.0000
#2	-.0003	.0264	-.0006	.0109	-.0002	93.02	-.0001	-.0001	.0002
#3	-.0002	.0317	.0000	.0110	-.0001	93.23	-.0001	-.0001	.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.001	4.061	1.352	2.206	0.0123	0.010	10.38	0.004	-0.008
Stddev	0.002	0.030	.013	.015	.0001	.0002	.04	.0002	.0005
%RSD	152.5	.7268	.9717	.6943	.4858	23.45	.3849	37.27	61.57
#1	-.0002	.4036	1.338	2.224	.0124	.0013	10.34	.0006	-.0006
#2	-.0003	.4093	1.363	2.196	.0124	.0009	10.37	.0004	-.0014
#3	.0001	.4054	1.356	2.198	.0123	.0009	10.42	.0003	-.0004
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.005	0.012	2.037	0.005	0.6936	0.009	-0.012	0.000	0.072
Stddev	0.008	0.003	.003	.002	.0022	.0001	.0009	.0001	.0001
%RSD	168.1	23.48	.1589	38.54	.3209	6.427	73.73	826.9	1.055
#1	.0005	.0014	2.034	.0006	.6915	.0009	-.0016	.0001	.0071
#2	-.0003	.0012	2.037	.0003	.6933	.0009	-.0002	.0001	.0072
#3	.0012	.0009	2.041	.0007	.6959	.0008	-.0019	-.0001	.0073
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2464.2	5040.9	39723.	4072.0					
Stddev	6.8	15.9	87.	17.8					
%RSD	.27785	.31617	.21978	.43641					
#1	2467.0	5037.7	39635.	4083.5					
#2	2469.2	5058.2	39724.	4081.0					
#3	2456.4	5026.9	39810.	4051.5					

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Sample Name: MP30113-SD1 Acquired: 3/15/2016 12:07:48 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	0.0158	0.0031	0.0106	-0.0006	89.74	-0.0005	-0.001	0.0005
Stddev	0.004	0.0126	0.0027	0.0011	0.000	.50	0.001	0.0006	0.0005
%RSD	416.3	79.55	88.06	10.33	4.496	.5587	17.31	639.2	86.51
#1	.0010	.0190	.0006	.0093	-.0006	90.31	-.0004	-.0002	.0010
#2	-.0002	.0265	.0027	.0114	-.0006	89.49	-.0006	-.0007	.0001
#3	-.0018	.0020	.0060	.0110	-.0005	89.41	-.0005	.0006	.0006
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.001	3.755	1.247	2.168	0.0115	-0.019	10.06	-0.0005	-0.040
Stddev	0.002	0.044	.050	.036	.0002	.0008	.01	.0005	.0036
%RSD	305.2	1.180	4.005	1.645	1.618	41.45	.1153	114.7	90.13
#1	.0001	.3728	1.216	2.194	.0116	-.0010	10.05	-.0010	-.0012
#2	-.0002	.3731	1.220	2.183	.0115	-.0021	10.07	-.0004	-.0082
#3	.0000	.3806	1.304	2.127	.0113	-.0026	10.07	.0001	-.0028
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.006	0.021	1.994	-0.001	0.6728	0.016	-0.019	-0.001	0.0306
Stddev	0.046	0.005	.005	.0009	.0020	.0002	.0043	.0008	.0002
%RSD	768.1	262.6	.2629	722.2	.2995	10.63	226.3	1342.	.7619
#1	.0004	.0083	1.989	.0005	.6720	.0017	.0021	-.0009	.0305
#2	.0035	.0001	1.999	.0003	.6712	.0014	-.0013	.0004	.0309
#3	-.0057	-.0021	1.996	-.0011	.6751	.0016	-.0064	.0004	.0305
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2597.1	5215.3	40672.	4170.1					
Stddev	1.9	8.9	160.	28.0					
%RSD	.07454	.17036	.39224	.67229					
#1	2597.8	5224.5	40734.	4139.0					
#2	2594.9	5206.7	40791.	4193.6					
#3	2598.6	5214.7	40490.	4177.5					

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Sample Name: MP30113-PS1 Acquired: 3/15/2016 12:12:17 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0504	2.694	1.092	2.826	0.0545	94.23	0.0548	0.0544	0.0553
Stddev	0.004	0.008	0.006	0.008	0.003	.29	0.001	0.003	0.004
%RSD	.8452	2.850	.5711	.2693	.0565	.3098	.1314	.4718	.7886
#1	.0508	2.697	1.100	.2835	.0546	94.46	.0548	.0544	.0551
#2	.0500	2.685	1.089	.2822	.0541	93.90	.0547	.0542	.0549
#3	.0503	2.699	1.089	.2821	.0546	94.32	.0549	.0547	.0557
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.104	3.634	11.74	7.383	0.0687	1.077	20.70	1.086	0.510
Stddev	0.004	0.026	.10	.036	.0002	.0003	.07	.0002	.0004
%RSD	.3210	.7055	.8761	.4826	.3557	.2354	.3577	.1660	.7342
#1	1.103	3.658	11.82	7.424	.0690	1.078	20.76	1.085	.0513
#2	1.107	3.607	11.62	7.366	.0687	1.074	20.62	1.085	.0510
#3	1.100	3.635	11.76	7.359	.0685	1.079	20.73	1.088	.0506
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.138	1.053	2.042	0.0525	0.7164	1.096	1.038	0.0523	0.2875
Stddev	0.0017	0.0022	.005	.0003	.0018	.0003	.0011	.0005	.0004
%RSD	1.489	2.100	.2423	.5933	.2452	.2648	1.086	.8782	.1554
#1	1.154	1.032	2.041	.0522	.7177	1.099	1.042	.0528	.2871
#2	1.121	1.049	2.038	.0527	.7144	1.094	1.025	.0523	.2873
#3	1.139	1.076	2.048	.0526	.7170	1.094	1.046	.0519	.2880
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2415.0	5015.0	39488.	4076.0					
Stddev	.8	8.7	66.	27.1					
%RSD	.03369	.17269	.16798	.66495					
#1	2415.7	5018.2	39452.	4048.6					
#2	2414.1	5021.7	39447.	4102.8					
#3	2415.2	5005.2	39565.	4076.5					

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Sample Name: MP30113-S1 Acquired: 3/15/2016 12:16:35 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0507	2.966	2.119	2.188	0.0561	120.1	0.0540	0.0545	0.2171
Stddev	0.003	.16	.002	.005	.0001	.5	.0001	.0006	.0004
%RSD	.5712	.5522	.0872	.2503	.1647	4.051	.0960	.1136	.2044
#1	.0510	29.58	2.118	2.188	.0560	119.7	.0540	.5341	.2166
#2	.0504	29.85	2.117	2.193	.0561	120.7	.0539	.5341	.2175
#3	.0506	29.56	2.121	2.182	.0562	119.9	.0540	.5352	.2173
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.750	28.89	28.93	29.57	0.5677	5.240	38.13	5.411	5.236
Stddev	0.011	.07	.12	.15	.0023	.0004	.07	.0006	.0022
%RSD	.4107	.2528	.4134	.5151	.4023	.0688	.1759	.1188	.4259
#1	2.748	28.81	28.84	29.42	.5653	5.244	38.11	.5411	.5223
#2	2.762	28.92	29.07	29.72	.5699	5.236	38.20	.5405	.5223

Sample Name: MP30113-S2 Acquired: 3/15/2016 12:20:46 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0503	29.21	2.111	2.145	.0554	116.9	.0535	.5285	2.147
Stddev	.0004	.12	.004	.012	.0003	.5	.0001	.0007	.0003
%RSD	.7593	.4067	.2081	.5622	.5296	.4042	.2630	.1242	.1368
#1	.0500	29.22	2.106	2.146	.0554	117.3	.0534	.5282	2.143
#2	.0502	29.32	2.114	2.156	.0557	117.0	.0535	.5280	2.149
#3	.0507	29.08	2.113	2.132	.0552	116.4	.0537	.5292	2.147
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2713	28.58	28.49	29.14	.5627	5.190	37.60	.5326	5.190
Stddev	.0010	.10	.14	.17	.0009	.0010	.13	.0010	.0010
%RSD	.3831	.3507	.4896	.5869	.1681	.1883	.3325	.1955	.1965
#1	.2706	28.65	28.47	29.33	.5624	5.191	37.63	.5324	5.201
#2	.2725	28.61	28.63	29.00	.5638	5.180	37.71	.5316	5.187
#3	.2708	28.46	28.36	29.08	.5621	5.200	37.47	.5337	5.181
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5316	2.112	2.051	.5302	1.178	.5295	2.071	.5037	.5385
Stddev	.0020	.004	.004	.0004	.009	.0017	.002	.0012	.0007
%RSD	.3787	.1965	.1900	.0702	.7375	.3199	.1104	.2451	.1300
#1	.5314	2.111	2.051	.5304	1.176	.5294	2.073	.5048	.5386
#2	.5297	2.109	2.047	.5298	1.188	.5312	2.068	.5024	.5391
#3	.5337	2.117	2.055	.5304	1.171	.5278	2.070	.5039	.5377
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2338.0	5017.8	3946.1	4049.7					
Stddev	4.4	14.4	28.	14.5					
%RSD	.19004	.28749	.07149	.35816					
#1	2341.8	5026.0	3949.1	4033.1					
#2	2339.1	5026.3	3945.6	4056.5					
#3	2333.1	5001.2	3943.5	4059.6					

Sample Name: FA32196-7 Acquired: 3/15/2016 12:24:58 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	.0739	-0.003	.0120	-0.003	64.89	-0.002	.0000	.0011
Stddev	.0010	.0027	.0012	.0003	.0002	.40	.0001	.000	.0002
%RSD	970.3	3.592	394.8	2.825	48.50	.6147	37.16	753.6	17.59
#1	-.0012	.0709	.0010	.0122	-.0004	64.51	-.0002	-.0001	.0009
#2	-.0009	.0758	-.0011	.0116	-.0001	65.31	-.0001	-.0001	.0011
#3	.0000	.0752	-.0008	.0121	-.0004	64.85	-.0003	.0000	.0013
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0086	.8199	5.313	7.971	.1234	-0.003	4.238	.0008	-0.020
Stddev	.0004	.0119	.042	.087	.0003	.0001	.030	.0002	.0016
%RSD	4.155	1.451	.7924	1.090	.2508	29.82	.7188	23.75	79.96
#1	.0082	.8245	5.361	7.876	.1232	-.0003	4.203	.0006	-.0009
#2	.0088	.8288	5.283	8.046	.1238	-.0004	4.261	.0008	-.0013
#3	.0087	.8064	5.295	7.992	.1233	-.0003	4.249	.0010	-.0039
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0013	.0003	7.776	.0011	.2509	.0032	-0.0010	.0027	.0215
Stddev	.0017	.0042	.012	.0002	.0011	.0002	.0015	.0003	.0000
%RSD	132.4	1438.	.1589	19.31	.4553	5.124	152.8	12.74	.1739
#1	-.0002	.0047	7.770	.0009	.2500	.0031	-.0005	.0031	.0214
#2	.0032	-.0037	7.790	.0012	.2522	.0030	-.0026	.0026	.0215
#3	.0010	-.0002	7.767	.0013	.2506	.0033	.0002	.0024	.0214
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2552.4	5157.4	4061.8	4156.7					
Stddev	5.8	7.2	10.	30.7					
%RSD	.22623	.13976	.02458	.73860					
#1	2556.1	5161.1	4062.5	4186.9					
#2	2555.3	5149.1	4060.7	4125.6					
#3	2545.7	5161.9	4062.2	4157.8					

7.1
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Sample Name: FA32196-8 Acquired: 3/15/2016 12:29:26 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0007	.0720	-0.0059	.2012	-0.0013	446.9	-0.0007	-0.0009	-0.0001
Stddev	.0032	.0594	.0145	.0004	.0002	.2	.0003	.0003	.0017
%RSD	433.4	82.59	247.8	.1909	15.13	.0378	49.54	33.00	142.8
#1	-.0029	.1120	.0085	.2007	-.0015	447.1	-.0003	-.0007	-.0007
#2	.0020	.0037	-.0055	.2013	-.0015	446.9	-.0008	-.0013	-.0015
#3	.0031	.1002	-.0205	.2014	-.0011	446.8	-.0010	-.0008	.0018
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0014	1.870	3.233	51.42	.0429	-0.049	572.9	-0.0019	-0.073
Stddev	.0013	.018	.289	.13	.0012	.0020	.74	.0016	.0038
%RSD	91.74	.9464	8.933	.2574	2.709	41.78	.0678	85.85	52.06
#1	.0027	1.888	3.343	51.29	.0415	-.0069	573.4	-.0014	-.0030
#2	.0001	1.871	3.450	51.55	.0434	-.0028	572.8	-.0006	-.0085
#3	.0014	1.852	2.905	51.42	.0436	-.0049	572.7	-.0037	-.0102
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0052	.0017	10.98	.0036	2.062	.0048	-0.0037	-0.0031	.0596
Stddev	.0084	.0106	.02	.0050	.009	.0006	.0096	.0016	.0002
%RSD	161.4	624.2	.1963	139.5	.4184	12.91	261.6	52.24	.3492
#1	-.0041	-.0103	10.99	.0093	2.072	.0051	.0038	-.0030	.0596
#2	.0123	.0053	10.96	.0006	2.055	.0041	-.0146	-.0048	.0597
#3	.0075	.0100	11.00	.0008	2.059	.0053	-.0003	-.0016	.0593
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2423.2	5001.4	3900.3	4021.1					
Stddev	3.1	8.8	264.	20.1					
%RSD	.12928	.17575	.67764	.49930					
#1	2422.0	4998.9	3922.5	3998.5					
#2	2426.7	5011.1	3907.4	4036.7					
#3	2420.8	4994.0	3871.0	4028.2					

Sample Name: FA32196-9 Acquired: 3/15/2016 12:33:56 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 4.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	.0213	-0.0021	.0660	-0.0007	169.1	-0.0004	-0.0006	.0006
Stddev	.0006	.0259	.0051	.0011	.0002	.9	.0001	.0003	.0007
%RSD	356.5	121.7	239.5	1.595	24.87	.5352	22.56	53.95	112.1
#1	.0005	.0273	-.0075	.0654	-.0009	169.6	-.0005	-.0003	.0012
#2	-.0008	-.0071	.0027	.0672	-.0005	168.1	-.0005	-.0006	-.0001
#3	-.0002	.0436	-.0017	.0653	-.0006	169.7	-.0003	-.0009	.0007
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0015	2.315	1.201	15.74	.0264	-0.0020	168.6	-0.0004	-0.0032
Stddev									

Sample Name: FA32197-1 Acquired: 3/15/2016 12:38:24 Type: Unk
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	1.980	.0003	.0072	-0.0011	18.95	-0.001	.0006	.0036
Stddev	.0003	.016	.0006	.0004	.0000	.07	.0000	.0001	.0003
%RSD	156.7	.8157	198.4	4.866	17.62	.3765	31.49	10.42	8.782
#1	.0003	1.994	.0009	.0074	-0.0011	18.95	-0.001	.0005	.0039
#2	-0.001	1.982	-0.004	.0074	-0.001	19.03	-0.002	.0006	.0036
#3	.0004	1.962	.0004	.0068	-0.001	18.89	-0.001	.0006	.0033
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0018	.8082	.4206	.7304	.0025	-0.0003	5.451	.0018	-0.0003
Stddev	.0001	.0090	.0221	.0252	.0000	.0002	.030	.0000	.0003
%RSD	4.484	1.119	5.261	3.453	1.261	54.46	.5448	1.865	104.7
#1	.0018	.8095	.4160	.7022	.0025	-0.0003	5.425	.0018	.0000
#2	.0019	.8166	.4012	.7381	.0025	-0.002	5.483	.0018	-0.0003
#3	.0017	.7986	.4447	.7508	.0025	-0.005	5.443	.0018	-0.0006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0005	.0021	2.721	.0005	.4230	.0363	-0.022	.0110	.0139
Stddev	.0008	.0012	.013	.0002	.0025	.0022	.0007	.0002	.0001
%RSD	184.4	56.84	4.628	44.89	.5805	6.033	31.92	2.027	.3884
#1	.0002	.0023	2.729	.0008	.4207	.0386	-0.030	.0108	.0139
#2	.0014	.0031	2.726	.0004	.4256	.0361	-0.017	.0110	.0139
#3	-0.002	.0008	2.706	.0004	.4227	.0342	-0.018	.0113	.0138
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2552.7	5155.0	41105.	4136.5					
Stddev	.4	10.8	128.	31.1					
%RSD	.01462	.20897	.31228	.75301					
#1	2553.0	5160.1	40967.	4105.0					
#2	2552.3	5162.3	41129.	4137.1					
#3	2552.9	5142.6	41220.	4167.3					

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Sample Name: FA32107-28 Acquired: 3/15/2016 12:42:51 Type: Unk
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	.0773	.0001	.0181	-0.0002	34.36	-0.001	.0000	.0009
Stddev	.0003	.0091	.0004	.0001	.0000	.15	.0000	.000	.0001
%RSD	619.7	11.74	588.6	.3967	20.77	.4381	22.31	417.2	13.67
#1	.0002	.0876	.0002	.0182	-0.001	34.26	-0.001	.0001	.0008
#2	.0000	.0706	.0004	.0181	-0.002	34.53	-0.001	.0001	.0009
#3	-0.004	.0735	-0.004	.0181	-0.002	34.28	-0.001	-0.001	.0011
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0151	.0357	.9368	8.114	.0021	-0.0007	10.57	.0043	-0.0006
Stddev	.0002	.0016	.0088	.033	.0000	.0001	.05	.0002	.0005
%RSD	1.243	4.512	.9407	.4064	.9884	18.66	.5125	4.572	70.22
#1	.0148	.0372	.9408	8.092	.0021	-0.008	10.51	.0042	-0.012
#2	.0152	.0359	.9428	8.152	.0021	-0.007	10.57	.0042	-0.003
#3	.0151	.0340	.9267	8.097	.0021	-0.006	10.62	.0045	-0.005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0004	.0018	4.594	.0004	.5292	.0007	-0.014	-0.0002	.0961
Stddev	.0002	.0013	.004	.0002	.0024	.0001	.0001	.0001	.0003
%RSD	50.02	72.25	.0782	38.26	.4591	10.42	10.02	51.00	.2793
#1	.0003	.0026	4.590	.0006	.5266	.0007	-0.012	-0.0003	.0960
#2	.0005	.0003	4.597	.0004	.5297	.0007	-0.015	-0.001	.0960
#3	.0002	.0026	4.595	.0003	.5314	.0006	-0.014	-0.0003	.0965
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2525.1	5120.3	40617.	4117.0					
Stddev	3.1	3.4	125.	23.9					
%RSD	.12210	.06567	.30698	.58102					
#1	2526.9	5119.1	40475.	4121.6					
#2	2526.8	5117.7	40669.	4091.1					
#3	2521.5	5124.1	40707.	4138.3					

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Sample Name: CCV Acquired: 3/15/2016 12:47:18 Type: QC
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2534	40.00	2.023	1.987	2.017	40.35	2.053	2.035	2.039
Stddev	.0006	.17	.001	.006	.005	.19	.003	.002	.013
%RSD	.2275	.4251	.0229	.3003	.2371	.4662	.1290	.0783	.6322
#1	.2541	39.96	2.024	1.985	2.013	40.23	2.052	2.034	2.053
#2	.2530	39.85	2.023	1.983	2.015	40.25	2.056	2.037	2.027
#3	.2531	40.19	2.023	1.994	2.022	40.57	2.051	2.035	2.036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.016	39.17	40.19	40.27	2.069	2.013	40.31	2.033	2.015
Stddev	.009	.11	.23	.03	.017	.001	.13	.002	.001
%RSD	.4640	.2910	.5661	.0858	.8258	.0403	.3246	.0929	.0300
#1	2.009	39.15	40.01	40.24	2.087	2.012	40.22	2.031	2.016
#2	1.991	39.06	40.11	40.27	2.054	2.013	40.25	2.033	2.015
#3	2.005	39.29	40.44	40.31	2.064	2.013	40.46	2.035	2.015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.016	2.026	2.108	2.038	1.988	2.045	2.031	2.010	2.047
Stddev	.001	.002	.002	.002	.007	.011	.002	.010	.004
%RSD	.0468	.1076	.1160	.1195	.3685	.5359	.1076	.5055	.2037
#1	2.016	2.028	2.108	2.035	1.985	2.057	2.028	2.017	2.043
#2	2.015	2.024	2.105	2.040	1.983	2.036	2.031	1.998	2.052
#3	2.017	2.026	2.110	2.040	1.997	2.043	2.033	2.013	2.047
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 3/15/2016 12:47:18 Type: QC
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2325.6	5042.6	39481.	4087.6
Stddev	2.0	6.4	311.	5.5
%RSD	.08465	.12730	.78767	.13424
#1	2327.5	5046.4	39123.	4086.3
#2	2323.6	5035.2	39647.	4093.7
#3	2325.7	5046.2	39674.	4082.9

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Sample Name: CCB Acquired: 3/15/2016 12:51:29 Type: QC
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0086	.0002	.0002	.0001	.0039	.0001	.0000	.0003
Stddev	.000	.0059	.0006	.0000	.0001	.0023	.0001	.0001	.0002
%RSD	1545.	68.46	256.6	3.882	73.54	59.22	85.48	4581.	76.06

#1	-.0001	.0127	-.0003	.0003	.0001	.0044	.0002	.0001	.0004
#2	-.0005	.0112	.0008	.0002	.0000	.0060	.0001	-.0001	.0003
#3	-.0004	.0019	.0002	.0002	.0002	.0014	.0000	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0119	-.0192	-.0062	.0001	.0008	.0167	.0001	-.0003
Stddev	.0002	.0011	.0210	.0115	.0000	.0003	.0044	.0001	.0004
%RSD	41.18	9.647	109.8	187.1	27.81	41.47	26.29	232.2	124.0

#1	.0006	.0126	-.0331	-.0110	.0002	.0011	.0184	.0002	-.0004
#2	.0004	.0126	.0050	.0070	.0002	.0007	.0199	.0000	-.0007
#3	.0002	.0106	-.0293	-.0145	.0001	.0005	.0117	.0000	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	-.0015	.0008	.0003	.0002	.0007	-.0003	.0001	.0001
Stddev	.0008	.0012	.0004	.0001	.0000	.0001	.0006	.0001	.0001
%RSD	87.21	81.30	49.00	25.45	4.447	19.17	231.8	274.5	135.8

#1	.0018	-.0006	.0012	.0003	.0002	.0008	.0001	.0002	.0001
#2	.0004	-.0010	.0006	.0004	.0002	.0007	-.0009	-.0001	.0000
#3	.0005	-.0028	.0005	.0003	.0002	.0005	.0000	.0001	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: CCB Acquired: 3/15/2016 12:51:29 Type: QC
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2618.0	5230.8	40581.	4075.9
Stddev	4.5	2.6	79.	30.6
%RSD	.17297	.04946	.19568	.75039

#1	2612.9	5227.9	40508.	4045.9
#2	2621.4	5231.7	40665.	4107.1
#3	2619.8	5232.9	40570.	4074.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0119	-.0192	-.0062	.0001	.0008	.0167	.0001	-.0003
Stddev	.0002	.0011	.0210	.0115	.0000	.0003	.0044	.0001	.0004
%RSD	41.18	9.647	109.8	187.1	27.81	41.47	26.29	232.2	124.0

#1	.0006	.0126	-.0331	-.0110	.0002	.0011	.0184	.0002	-.0004
#2	.0004	.0126	.0050	.0070	.0002	.0007	.0199	.0000	-.0007
#3	.0002	.0106	-.0293	-.0145	.0001	.0005	.0117	.0000	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	-.0015	.0008	.0003	.0002	.0007	-.0003	.0001	.0001
Stddev	.0008	.0012	.0004	.0001	.0000	.0001	.0006	.0001	.0001
%RSD	87.21	81.30	49.00	25.45	4.447	19.17	231.8	274.5	135.8

#1	.0018	-.0006	.0012	.0003	.0002	.0008	.0001	.0002	.0001
#2	.0004	-.0010	.0006	.0004	.0002	.0007	-.0009	-.0001	.0000
#3	.0005	-.0028	.0005	.0003	.0002	.0005	.0000	.0001	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: FA32073-15 Acquired: 3/15/2016 12:55:59 Type: Unk
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0003	.0019	-.0002	.2276	-.0001	12.27	-.0005	.0052	.0236
Stddev	.0002	.0049	.0001	.0014	.0001	.06	.0000	.0002	.0001
%RSD	52.68	249.6	35.97	.5953	112.3	.4912	6.236	3.229	.3021

#1	-.0001	.0065	-.0002	.2270	.0000	12.21	-.0005	.0054	.0237
#2	-.0005	.0024	-.0002	.2292	-.0001	12.29	-.0004	.0051	.0236
#3	-.0004	-.0031	-.0001	.2267	-.0002	12.32	-.0005	.0051	.0237

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0011	37.97	3.379	8.848	2.262	.0004	38.29	.0152	-.0027
Stddev	.0002	.08	.009	.024	.017	.0000	.04	.0001	.0002
%RSD	16.36	.2148	.2590	.2687	.7597	11.72	.0957	.9671	8.141

#1	.0011	37.90	3.369	8.821	2.281	.0005	38.25	.0150	-.0029
#2	.0009	37.95	3.387	8.858	2.247	.0004	38.32	.0151	-.0026
#3	.0013	38.06	3.380	8.864	2.258	.0004	38.30	.0153	-.0025

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0013	.0002	11.13	.0005	.1247	.0004	.0007	.0005	.0112
Stddev	.0005	.0002	.04	.0002	.0005	.0001	.0005	.0001	.0001
%RSD	37.15	100.1	.3185	33.65	.3662	17.40	67.21	22.90	.6485

#1	.0013	.0005	11.12	.0004	.1242	.0004	.0010	.0004	.0112
#2	.0017	.0001	11.10	.0005	.1249	.0005	.0011	.0004	.0111
#3	.0008	.0001	11.17	.0007	.1250	.0004	.0002	.0006	.0112

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2478.2	5072.7	39674.	4075.1
Stddev	5.6	17.4	56.	11.4
%RSD	.22413	.34365	.14231	.27925

#1	2474.8	5065.9	39608.	4082.4
#2	2484.6	5092.5	39705.	4062.0
#3	2475.3	5059.7	39708.	4081.0

Sample Name: FA32073-18 Acquired: 3/15/2016 13:00:34 Type: Unk
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0001	.0154	-.0001	.0313	-.0001	40.68	-.0001	.0005	.0000
Stddev	.0003	.0030	.0008	.0004	.0000	.28	.0001	.0000	.0001
%RSD	214.8	19.22	1130.	1.157	33.57	.6981	44.86	7.864	660.5

#1	.0001	.0132	-.0008	.0309	-.0001	40.58	-.0001	.0004	.0001
#2	-.0001	.0188	-.0003	.0316	-.0002	40.47	-.0001	.0005	-.0001
#3	-.0005	.0142	-.0007	.0314	-.0001	41.01	-.0002	.0004	.0000

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0005	.0064	1.025	9.693	.0123	.0006	13.08	.0012	-.0010
Stddev	.0002	.0019	.026	.063	.0001	.0001	.01	.0002	.0005
%RSD	36.23	29.07	2.502	.6469	.9768	15.01	.0586	16.26	46.88

#1	.0004	.0086	1.039	9.708	.0122	.0007	13.07	.0011	-.0008
#2	.0004	.0058	.9956	9.624	.0124	.0005	13.08	.0011	-.0007
#3	.0008	.0050	1.040	9.747	.0122	.0006	13.08	.0014	-.0015

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0012	.0012	4.725	.0007	.6234	.0006	-.001		

Sample Name: FA32073-19 Acquired: 3/15/2016 13:05:00 Type: Unk
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	0.233	0.004	0.373	-0.001	76.94	-0.004	0.001	0.093
Stddev	0.003	0.092	0.008	0.012	0.001	29	0.001	0.001	0.003
%RSD	60.67	39.45	218.0	3.127	68.28	3.820	15.53	173.1	3.228
#1	-0.009	0.135	-0.004	0.3871	0.000	76.73	-0.005	0.001	0.095
#2	-0.003	0.318	0.004	0.3861	-0.001	76.80	-0.004	-0.001	0.095
#3	-0.004	0.247	0.012	0.3885	-0.001	77.27	-0.004	0.001	0.090
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.016	27.97	7.094	63.62	2.835	0.072	78.43	0.141	-0.024
Stddev	0.002	0.07	0.32	0.05	0.018	0.002	15	0.002	0.003
%RSD	14.61	2.652	4.464	0.850	6.181	2.416	1.905	1.495	10.80
#1	0.019	27.96	7.071	63.59	2.837	0.073	78.29	0.139	-0.024
#2	0.014	27.91	7.081	63.59	2.817	0.072	78.41	0.141	-0.026
#3	0.015	28.05	7.130	63.68	2.852	0.070	78.59	0.143	-0.021
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.007	-0.011	7.365	0.007	7.418	0.014	-0.008	0.000	0.190
Stddev	0.010	0.004	0.04	0.003	0.024	0.001	0.009	0.002	0.001
%RSD	150.2	31.54	0.613	46.10	3.212	4.563	108.2	371.8	5.272
#1	0.007	-0.012	7.362	0.005	7.394	0.013	-0.005	-0.001	0.189
#2	-0.004	-0.007	7.370	0.011	7.418	0.014	-0.001	0.000	0.189
#3	0.017	-0.014	7.362	0.005	7.441	0.014	-0.018	0.002	0.191
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2327.8	4877.0	38127	3989.2					
Stddev	1.9	7.5	100	13.3					
%RSD	0.08054	0.15370	0.26161	0.33338					
#1	2329.8	4878.1	38055	3981.6					
#2	2326.1	4869.0	38241	4004.5					
#3	2327.4	4883.9	38086	3981.4					

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Sample Name: FA32073-20 Acquired: 3/15/2016 13:09:24 Type: Unk
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	0.102	0.005	0.2305	-0.002	12.43	-0.006	0.053	0.240
Stddev	0.002	0.038	0.010	0.006	0.001	0.09	0.001	0.001	0.004
%RSD	53.47	37.08	186.6	2.430	41.53	7.412	11.66	2.198	1.695
#1	-0.001	0.083	0.002	0.2298	-0.002	12.52	-0.005	0.053	0.242
#2	-0.005	0.146	0.017	0.2307	-0.002	12.34	-0.006	0.051	0.235
#3	-0.005	0.078	-0.003	0.2309	-0.001	12.43	-0.006	0.053	0.243
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.017	38.58	3.460	9.002	2.308	0.001	39.73	0.153	-0.033
Stddev	0.001	0.07	0.27	0.07	0.015	0.000	0.09	0.002	0.001
%RSD	5.878	0.1857	0.7751	0.7769	0.6295	37.70	0.2209	1.368	2.558
#1	0.017	38.56	3.453	9.052	2.297	0.001	39.65	0.154	-0.033
#2	0.018	38.52	3.438	8.922	2.324	0.001	39.73	0.150	-0.034
#3	0.016	38.66	3.490	9.031	2.302	0.001	39.82	0.154	-0.032
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.007	-0.017	11.24	0.004	1.259	0.003	0.010	0.004	0.145
Stddev	0.008	0.007	0.01	0.001	0.004	0.001	0.010	0.004	0.003
%RSD	116.5	40.71	0.0905	33.61	3.442	18.20	94.70	93.94	2.719
#1	0.009	-0.023	11.23	0.004	1.257	0.003	0.000	0.005	0.141
#2	0.014	-0.018	11.23	0.006	1.264	0.003	0.013	0.007	0.146
#3	-0.002	-0.009	11.25	0.003	1.257	0.002	0.019	0.000	0.147
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2484.7	5087.3	39575	4047.2					
Stddev	2.6	4.5	188	16.6					
%RSD	0.10414	0.08793	0.47443	0.41042					
#1	2483.1	5082.2	39768	4030.2					
#2	2487.7	5090.8	39393	4063.4					
#3	2483.3	5088.8	39565	4047.9					

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Sample Name: FA32073-23 Acquired: 3/15/2016 13:13:58 Type: Unk
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.207	-0.011	0.949	-0.001	11.76	-0.002	0.101	0.216
Stddev	0.001	0.044	0.001	0.003	0.000	0.07	0.000	0.000	0.003
%RSD	51.40	21.17	12.52	3.552	35.90	6.312	16.53	4.753	1.184
#1	-0.003	0.237	-0.013	0.952	-0.001	11.82	-0.002	0.101	0.214
#2	-0.003	0.226	-0.010	0.948	-0.002	11.68	-0.002	0.101	0.216
#3	-0.001	0.157	-0.010	0.946	-0.001	11.78	-0.003	0.100	0.219
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.110	6.579	4.188	8.632	2.021	-0.003	12.85	0.170	-0.017
Stddev	0.001	0.039	0.052	0.101	0.012	0.001	0.08	0.001	0.010
%RSD	1.047	0.5908	1.251	1.171	0.5798	29.03	6.307	0.4949	60.32
#1	0.109	6.615	4.244	8.690	2.009	-0.002	12.95	0.169	-0.021
#2	0.110	6.538	4.180	8.515	2.022	-0.003	12.83	0.169	-0.025
#3	0.111	6.586	4.140	8.690	2.033	-0.003	12.79	0.170	-0.005
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.012	0.007	9.907	0.004	0.942	0.007	-0.001	0.003	0.515
Stddev	0.006	0.009	0.022	0.003	0.006	0.001	0.010	0.001	0.000
%RSD	48.76	136.1	2.239	84.84	6.348	14.49	732.3	34.92	0.195
#1	0.011	-0.003	9.908	0.007	0.949	0.007	0.008	0.004	0.515
#2	0.018	0.008	9.884	0.002	0.939	0.007	-0.011	0.002	0.515
#3	0.006	0.015	9.929	0.001	0.939	0.006	-0.001	0.004	0.515
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2542.6	5171.9	40726	4112.8					
Stddev	4.3	6.0	285	39.8					
%RSD	0.17020	0.11573	0.70024	0.96677					
#1	2538.1	5165.9	40991	4080.5					
#2	2543.0	5177.9	40763	4157.2					
#3	2546.7	5171.9	40425	4100.8					

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Sample Name: FA32073-24 Acquired: 3/15/2016 13:18:23 Type: Unk
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	-0.005	-0.020	1.382	-0.001	11.53	0.000	0.021	0.042
Stddev	0.001	0.042	0.009	0.004	0.001	0.03	0.001	0.001	0.001
%RSD	59.71	909.7	44.66	2.878	61.16	3.015	104.0	3.499	3.052
#1	-0.001	0.042	-0.024	1.380	-0.001	11.50	0.000	0.020	0.041
#2	-0.002	-0.039	-0.010	1.379	-0.001	11.52	0.000	0.022	0.042
#3	-0.003	-0.016	-0.025	1.387	0.000	11.56	0.001	0.021	0.043
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.011	0.244	1.452	8.400	6.498	0.001	12.65	0.024	

Sample Name: FA32113-1 Acquired: 3/15/2016 13:22:52 Type: Unk
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.0564	-.0012	.0339	-.0001	46.82	.0008	.0014	.0372
Stddev	.0003	.0055	.0006	.0001	.0001	.15	.0000	.0001	.0000
%RSD	396.1	9.818	44.80	.2200	61.87	.3306	4.369	7.421	.0376
#1	-.0003	.0500	-.0006	.0338	-.0002	46.65	.0008	.0015	.0372
#2	-.0004	.0600	-.0014	.0339	.0000	46.84	.0008	.0014	.0372
#3	.0002	.0592	-.0017	.0340	-.0001	46.96	.0008	.0013	.0372
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.0129	.0583	.9332	22.27	.0141	-.0005	52.38	.0155	.0005
Stddev	.0002	.0026	.0281	.10	.0000	.0002	.16	.0001	.0003
%RSD	1.236	4.542	3.006	.4491	.2732	39.71	.2981	.6417	56.88
#1	.0130	.0578	.9057	22.21	.0141	-.0004	52.20	.0156	.0008
#2	.0130	.0560	.9618	22.22	.0140	-.0007	52.42	.0155	.0004
#3	.0127	.0612	.9321	22.39	.0141	-.0003	52.51	.0154	.0002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0091	.0024	13.72	.0004	.3473	.0010	-.0016	-.0002	.0360
Stddev	.0007	.0010	.02	.0002	.0021	.0001	.0009	.0001	.0001
%RSD	8.006	39.83	.1682	40.59	.5957	11.57	57.47	67.94	.3741
#1	.0094	.0020	13.70	.0003	.3460	.0009	-.0009	-.0003	.0360
#2	.0083	.0017	13.73	.0003	.3463	.0012	-.0012	-.0001	.0360
#3	.0097	.0035	13.74	.0005	.3497	.0010	-.0026	-.0001	.0362
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2439.7	5059.8	39407.	4073.3					
Stddev	3.2	11.2	153.	27.8					
%RSD	.12953	.22089	.38712	.68200					
#1	2437.5	5054.8	39501.	4099.3					
#2	2438.2	5052.0	39489.	4044.0					
#3	2443.3	5072.6	39231.	4076.7					

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Sample Name: FA32113-2 Acquired: 3/15/2016 13:27:18 Type: Unk
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0002	.0621	-.0011	.0469	.0001	10.84	-.0002	-.0002	.0009
Stddev	.0001	.0037	.0006	.0004	.0000	.04	.0000	.0000	.0000
%RSD	29.53	6.015	54.67	.9086	28.41	.3590	14.55	11.72	2.699
#1	-.0002	.0586	-.0004	.0469	.0001	10.81	-.0002	-.0002	.0009
#2	-.0001	.0661	-.0014	.0464	.0001	10.83	-.0002	-.0002	.0009
#3	-.0002	.0616	-.0015	.0473	.0001	10.89	-.0002	-.0002	.0009
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.0049	13.03	.6723	5.893	.3856	-.0005	44.58	.0002	-.0008
Stddev	.0001	.04	.0335	.030	.0010	.0001	.19	.0000	.0004
%RSD	1.691	.3359	4.980	.5137	.2471	23.38	.4222	20.72	44.77
#1	.0050	12.99	.6629	5.888	.3846	-.0006	44.55	.0002	-.0012
#2	.0050	13.01	.6444	5.866	.3865	-.0004	44.40	.0002	-.0009
#3	.0048	13.08	.7094	5.926	.3858	-.0006	44.78	.0003	-.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0001	-.0001	12.15	.0009	.0476	.0017	-.0006	.0003	.0160
Stddev	.0008	.0012	.02	.0002	.0001	.0002	.0012	.0001	.0001
%RSD	821.0	856.3	.1467	23.31	.2785	11.71	208.1	21.83	4834
#1	.0000	-.0011	12.16	.0007	.0476	.0015	-.0001	.0002	.0159
#2	.0010	-.0004	12.16	.0009	.0475	.0017	-.0019	.0003	.0161
#3	-.0006	.0011	12.13	.0011	.0477	.0018	.0003	.0002	.0160
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2490.3	5074.4	39681.	4111.6					
Stddev	3.6	3.6	188.	28.8					
%RSD	.14331	.07182	.47450	.70118					
#1	2490.3	5073.7	39839.	4139.2					
#2	2486.7	5071.1	39730.	4114.1					
#3	2493.9	5078.3	39473.	4081.7					

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7.1
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Sample Name: FA32113-4 Acquired: 3/15/2016 13:31:46 Type: Unk
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.0364	-.0015	.0202	-.0001	8.163	-.0001	-.0002	.0004
Stddev	.0004	.0029	.0009	.0001	.0001	.048	.0000	.0002	.0002
%RSD	527.4	8.037	62.19	.5555	112.7	.5880	23.20	94.83	52.11
#1	.0004	.0393	-.0024	.0202	.0000	8.162	-.0001	-.0001	.0004
#2	-.0003	.0364	-.0015	.0202	-.0001	8.115	-.0001	-.0003	.0006
#3	.0001	.0335	-.0006	.0204	-.0002	8.211	-.0001	-.0001	.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.0035	.0802	3.160	3.957	.0488	-.0005	34.08	.0005	.0007
Stddev	.0002	.0032	.0076	.014	.0001	.0002	.18	.0002	.0001
%RSD	6.853	3.949	2.402	.3593	.1293	35.77	.5411	40.03	20.43
#1	.0035	.0765	.3247	3.967	.0489	-.0007	33.90	.0006	.0007
#2	.0037	.0820	.3124	3.941	.0488	-.0005	34.27	.0002	.0008
#3	.0032	.0820	.3108	3.963	.0487	-.0004	34.07	.0005	.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0011	.0001	9.627	.0005	.0301	.0008	-.0017	.0001	.0218
Stddev	.0006	.0007	.013	.0002	.0002	.0001	.0008	.0001	.0002
%RSD	60.62	612.4	.1341	39.59	.7188	7.375	44.52	62.06	.7545
#1	.0007	-.0006	9.639	.0003	.0298	.0008	-.0011	.0001	.0219
#2	.0018	-.0003	9.629	.0004	.0302	.0008	-.0015	.0002	.0218
#3	.0007	.0007	9.614	.0007	.0302	.0007	-.0026	.0000	.0216
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2528.0	5134.7	40256.	4088.0					
Stddev	4.3	1.8	64.	8.3					
%RSD	.17105	.03517	.15802	.20190					
#1	2532.9	5133.2	40183.	4088.5					
#2	2526.6	5134.2	40293.	4096.0					
#3	2524.6	5136.7	40293.	4079.5					

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Sample Name: FA32113-5 Acquired: 3/15/2016 13:36:14 Type: Unk
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0003	.0408	-.0007	.0751	.0001	25.46	-.0003	.0077	.0007
Stddev	.0005	.0089	.0006	.0001	.0001	.19	.0001	.0002	.0002
%RSD	165.1	21.87	80.58	.1402	112.7	.7540	16.28	2.007	24.73
#1	.0001	.0348	-.0010	.0750	.0001	25.28	-.0004	.0076	.0008
#2	-.0008	.0510	-.0010	.0752	.0000	25.45	-.0003	.0075	.0007
#3	-.0002	.0364	.0000	.0750	.0002	25.66	-.0004	.0078	.0005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.0330	18.97	1.100	13.31	.7737	-.0006	43.20	.0140	.0393
Stddev	.0003	.11	.020	.11	.0000	.0001	.19	.0003	.0005
%RSD	.9108	.5820	1.827	.8124	.0057	18.36	.4318	1.957	1.284
#1	.0327	18.89	1.088	13.24	.7738	-.0007	43.05	.0142	.0391
#2	.0332	18.91	1.089	13.25	.7738	-.0005	43.14	.0137	.0389
#3	.0331	19.09	1.123	13.43	.7737	-.0006	43.41	.0140	.0398
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y						

Sample Name: CCV Acquired: 3/15/2016 13:40:38 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.550	40.42	2.028	2.011	2.026	40.85	2.052	2.041	2.036
Stddev	.0004	.15	.003	.015	.008	.21	.005	.003	.010
%RSD	.1564	.3618	.1442	.7589	.4021	.5053	.2586	.1681	.4713
#1	.2548	40.36	2.025	2.005	2.023	40.65	2.046	2.037	2.039
#2	.2548	40.59	2.028	2.029	2.035	41.06	2.055	2.044	2.026
#3	.2555	40.31	2.031	2.001	2.020	40.85	2.056	2.043	2.044

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.016	39.50	40.76	40.61	2.064	2.020	40.52	2.042	2.012
Stddev	.003	.13	.32	.21	.008	.005	.18	.003	.004
%RSD	.1700	.3228	.7773	.5208	.3936	.2323	.4563	.1325	.1833
#1	2.016	39.39	40.61	40.37	2.065	2.015	40.42	2.040	2.008
#2	2.012	39.64	41.13	40.77	2.055	2.021	40.73	2.045	2.015
#3	2.019	39.47	40.55	40.70	2.071	2.024	40.41	2.043	2.012

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.024	2.034	2.122	2.043	2.014	2.044	2.032	2.021	2.048
Stddev	.002	.003	.004	.005	.011	.006	.003	.005	.003
%RSD	.1195	.1648	.1868	.2281	.5426	.3152	.1337	.2523	.1673
#1	2.022	2.032	2.117	2.038	2.008	2.048	2.036	2.020	2.045
#2	2.027	2.038	2.125	2.045	2.026	2.037	2.031	2.016	2.049
#3	2.024	2.032	2.123	2.047	2.007	2.049	2.031	2.026	2.052

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/15/2016 13:40:38 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2320.8	5027.3	39379.	4044.4
Stddev	1.2	7.8	181.	4.7
%RSD	.05208	.15556	.45837	.11546
#1	2321.9	5036.1	39290.	4048.2
#2	2320.9	5021.0	39586.	4045.8
#3	2319.5	5024.9	39260.	4039.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 3/15/2016 13:44:48 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0013	.0004	.0000	.0001	.0050	.0001	.0000	.0002
Stddev	.000	.0042	.0007	.000	.0000	.0006	.0001	.0001	.0002
%RSD	807.3	313.4	159.7	663.5	50.34	11.24	65.92	287.0	90.03
#1	.0001	-.0032	.0000	-.0001	.0001	.0056	.0001	.0000	.0001
#2	.0000	.0051	.0012	.0000	.0000	.0045	.0002	.0001	.0005
#3	-.0002	.0022	.0001	.0001	.0000	.0050	.0000	-.0001	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0099	-.0255	-.0030	.0001	.0008	.0144	.0000	-.0001
Stddev	.0001	.0035	.0170	.0033	.0000	.0003	.0032	.0001	.0002
%RSD	18.49	35.55	66.53	109.2	46.48	35.91	21.96	388.2	213.7
#1	.0004	.0131	-.0062	-.0019	.0001	.0011	.0163	.0001	-.0001
#2	.0006	.0061	-.0382	-.0004	.0001	.0006	.0162	.0001	.0001
#3	.0005	.0105	-.0321	-.0067	.0001	.0006	.0108	-.0001	-.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0008	.0014	.0005	.0001	.0006	.0001	.0002	.0000
Stddev	.0003	.0019	.0004	.0005	.0001	.0000	.0004	.0002	.000
%RSD	44.00	231.5	29.22	90.41	95.22	6.238	838.8	88.90	528.7
#1	.0009	-.0012	.0017	.0005	.0002	.0006	-.0005	.0002	-.0001
#2	.0009	.0027	.0017	.0010	.0001	.0006	.0004	.0000	.0000
#3	.0004	.0010	.0010	.0001	.0000	.0006	.0002	.0004	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/15/2016 13:44:48 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2622.1	5225.6	41096.	4140.1
Stddev	2.4	3.3	200.	16.7
%RSD	.09076	.06396	.48752	.40251
#1	2619.5	5229.5	40867.	4143.3
#2	2622.8	5223.5	41236.	4122.0
#3	2624.1	5223.8	41186.	4154.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: FA32113-6 Acquired: 3/15/2016 13:49:19 Type: Unk
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.341	-0.006	0.212	-0.001	10.42	-0.001	-0.002	0.015
Stddev	0.005	0.032	0.007	0.003	0.000	0.04	0.000	0.002	0.003
%RSD	470.5	9.332	121.9	1.187	72.13	3585	55.70	90.51	17.32
#1	0.004	0.304	-0.007	0.212	0.000	10.38	-0.001	0.000	0.012
#2	-0.002	0.036	-0.011	0.210	-0.001	10.43	-0.001	-0.001	0.014
#3	-0.005	0.358	0.002	0.215	-0.001	10.45	0.000	-0.004	0.017
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.000	4.493	5.455	4.886	0.822	-0.002	45.61	0.007	-0.007
Stddev	0.000	0.030	0.157	0.050	0.002	0.001	1.14	0.001	0.008
%RSD	1.365	0.6620	2.872	1.019	0.2579	39.82	2.960	13.13	117.9
#1	0.030	4.483	5.504	4.841	0.820	-0.002	45.52	0.008	-0.012
#2	0.030	4.527	5.581	4.940	0.824	-0.002	45.54	0.006	-0.010
#3	0.030	4.470	5.279	4.878	0.821	-0.001	45.77	0.007	0.002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.004	0.022	9.315	0.007	0.348	0.008	-0.018	0.001	0.205
Stddev	0.002	0.011	0.27	0.002	0.000	0.000	0.006	0.001	0.001
%RSD	53.68	50.95	2.915	23.59	0.681	3.349	31.84	152.1	3.176
#1	0.006	0.016	9.345	0.006	0.348	0.008	-0.022	0.001	0.204
#2	0.002	0.036	9.295	0.005	0.348	0.009	-0.021	0.000	0.205
#3	0.003	0.016	9.304	0.008	0.348	0.008	-0.011	0.002	0.206
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2506.7	5092.4	4008.2	4122.0					
Stddev	5.6	10.8	133.	4.0					
%RSD	0.22369	0.21181	0.33137	0.9743					
#1	2502.5	5080.5	4022.5	4126.3					
#2	2513.1	5101.5	4005.6	4118.4					
#3	2504.5	5095.4	3996.4	4121.2					

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Sample Name: FA32113-7 Acquired: 3/15/2016 13:53:49 Type: Unk
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.108	-0.016	0.213	-0.001	15.85	-0.001	0.001	0.001
Stddev	0.001	0.065	0.005	0.000	0.000	0.08	0.000	0.001	0.000
%RSD	60.43	59.99	33.12	1.736	29.19	5034	14.29	123.3	52.82
#1	-0.002	0.086	-0.011	0.213	-0.001	15.84	-0.001	0.000	0.001
#2	-0.004	0.181	-0.022	0.212	-0.001	15.78	-0.001	0.001	0.001
#3	-0.001	0.057	-0.015	0.213	-0.001	15.94	-0.001	0.002	0.000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.001	0.082	6.436	7.469	0.522	-0.005	54.95	0.006	-0.006
Stddev	0.002	0.003	0.240	0.059	0.001	0.001	0.06	0.001	0.004
%RSD	3.169	3.454	3.728	0.7849	0.1582	14.86	0.1096	21.51	58.89
#1	0.061	0.079	6.176	7.423	0.521	-0.005	55.02	0.005	-0.002
#2	0.059	0.085	6.483	7.449	0.523	-0.005	54.90	0.007	-0.009
#3	0.063	0.083	6.650	7.535	0.521	-0.004	54.93	0.007	-0.008
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.012	0.073	9.270	0.004	0.501	0.005	-0.021	0.001	0.235
Stddev	0.002	0.013	0.009	0.002	0.002	0.000	0.014	0.002	0.001
%RSD	13.89	17.82	0.985	46.52	0.3014	4.445	66.13	121.2	459.3
#1	0.011	0.088	9.280	0.006	0.500	0.006	-0.005	0.002	0.234
#2	0.014	0.065	9.264	0.003	0.502	0.005	-0.031	0.003	0.236
#3	0.012	0.066	9.266	0.003	0.499	0.005	-0.029	0.001	0.234
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2481.9	5074.8	3977.5	4097.4					
Stddev	7.8	1.4	65.	11.4					
%RSD	0.31303	0.2780	1.6458	2.7765					
#1	2490.8	5076.4	3982.7	4094.6					
#2	2478.5	5074.0	3970.2	4110.0					
#3	2476.4	5073.9	3979.7	4087.7					

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7.1
7

Sample Name: FA32136-1 Acquired: 3/15/2016 13:58:18 Type: Unk
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.000	4.704	-0.004	0.288	0.001	9.947	0.000	-0.001	0.193
Stddev	0.000	0.18	0.002	0.003	0.001	0.38	0.000	0.000	0.001
%RSD	103.5	3.938	56.95	1.094	84.20	3.782	111.3	41.38	4.673
#1	-0.001	4.725	-0.003	0.289	0.000	9.981	0.001	-0.001	0.193
#2	-0.004	4.688	-0.007	0.284	0.002	9.953	0.000	0.000	0.193
#3	-0.004	4.701	-0.002	0.290	0.001	9.907	0.000	-0.001	0.194
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.027	1.545	2.522	1.197	0.252	0.011	104.6	0.062	0.007
Stddev	0.000	0.11	0.31	0.20	0.001	0.000	2.0	0.000	0.010
%RSD	9.554	6.827	1.233	1.687	0.5673	1.692	2.097	5.304	138.9
#1	0.027	1.549	2.558	1.214	0.252	0.011	104.9	0.062	0.014
#2	0.027	1.533	2.503	1.203	0.254	0.011	104.4	0.062	-0.004
#3	0.028	1.553	2.505	1.175	0.251	0.011	104.6	0.061	0.012
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.013	0.017	6.414	0.005	0.842	0.881	-0.027	0.872	0.105
Stddev	0.003	0.025	0.30	0.004	0.004	0.009	0.003	0.003	0.001
%RSD	99.36	145.1	4.650	71.71	4.320	9.911	10.68	3.430	8.367
#1	-0.002	0.042	6.404	0.007	0.843	0.873	-0.031	0.874	0.106
#2	0.024	-0.008	6.389	0.008	0.838	0.890	-0.026	0.874	0.106
#3	0.018	0.017	6.447	0.001	0.845	0.879	-0.025	0.869	0.104
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2407.6	5225.1	4090.5	4218.1					
Stddev	2.9	2.1	205.	20.4					
%RSD	0.12194	0.4063	4.9994	4.8407					
#1	2406.2	5225.9	4107.1	4196.4					
#2	2410.9	5226.8	4067.7	4220.9					
#3	2405.6	5222.7	4096.8	4237.0					

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Sample Name: FA32136-3 Acquired: 3/15/2016 14:02:45 Type: Unk
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	6.079	-0.002	0.526	0.005	8.131	0.001	0.002	0.162
Stddev	0.001	0.23	0.007	0.003	0.000	0.63	0.000	0.001	0.002
%RSD	33.93	3.774	308.0	6.522	8.864	7.758	27.43	32.76	1.288
#1	-0.003	6.091	-0.005	0.530	0.006	8.112	0.002	0.003	0.164
#2	-0.001	6.094	-0.010	0.525	0.005	8.201	0.001	0.002	0.163
#3	-0.002	6.053	-0.002	0.524	0.005	8.080	0.001	0.001	0.160
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.015	1.300	1.318	0.986	0.07				

Sample Name: MP30118-MB1 Acquired: 3/15/2016 14:07:13 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.0096	-0.0022	-0.0001	-0.0001	0.0152	-0.0001	-0.0002	0.0003
Stddev	.0002	.0039	.0012	.0004	.0001	.0048	.0000	.0001	.0000
%RSD	215.6	40.80	52.60	314.0	83.99	31.39	31.65	38.13	13.98
#1	.0000	.0066	-.0019	.0001	-.0001	.0207	-.0001	-.0001	.0003
#2	.0000	.0140	-.0035	.0001	-.0002	.0126	-.0001	-.0003	.0003
#3	-.0003	.0082	-.0013	-.0005	.0000	.0123	-.0002	-.0003	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0002	0.0119	0.0184	-0.0070	0.0001	-0.0006	0.0471	0.0002	-0.0002
Stddev	.0000	.0032	.0267	.0116	.0000	.0001	.0110	.0002	.0006
%RSD	11.96	26.98	145.3	166.8	13.14	14.01	23.31	114.8	234.3
#1	.0002	.0120	.0045	-.0081	.0001	-.0006	.0588	.0001	.0003
#2	.0002	.0151	.0015	-.0179	.0001	-.0005	.0370	.0004	-.0002
#3	.0002	.0086	.0492	.0052	.0001	-.0006	.0454	.0000	-.0009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0019	-0.0003	0.0115	0.0205	-0.0002	0.0000	-0.0019	0.0000	0.0005
Stddev	.0007	.0017	.0006	.0005	.0001	.000	.0011	.0001	.0001
%RSD	38.54	553.5	5.589	2.275	53.64	204.0	58.18	522.1	16.03
#1	.0021	.0015	.0119	.0207	-.0002	-.0001	-.0029	-.0001	.0005
#2	.0011	-.0019	.0119	.0208	-.0002	.0001	-.0020	.0001	.0004
#3	.0025	-.0005	.0108	.0200	-.0001	-.0001	-.0008	.0001	.0005

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30118-MB1 Acquired: 3/15/2016 14:07:13 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2610.6	5175.3	40834.	4119.7
Stddev	10.7	28.4	177.	33.7
%RSD	.41154	.54883	.43443	.81812
#1	2598.2	5143.3	40958.	4124.9
#2	2616.9	5197.8	40631.	4083.7
#3	2616.7	5184.6	40913.	4150.5

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0002	0.0119	0.0184	-0.0070	0.0001	-0.0006	0.0471	0.0002	-0.0002
Stddev	.0000	.0032	.0267	.0116	.0000	.0001	.0110	.0002	.0006
%RSD	11.96	26.98	145.3	166.8	13.14	14.01	23.31	114.8	234.3
#1	.0002	.0120	.0045	-.0081	.0001	-.0006	.0588	.0001	.0003
#2	.0002	.0151	.0015	-.0179	.0001	-.0005	.0370	.0004	-.0002
#3	.0002	.0086	.0492	.0052	.0001	-.0006	.0454	.0000	-.0009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0019	-0.0003	0.0115	0.0205	-0.0002	0.0000	-0.0019	0.0000	0.0005
Stddev	.0007	.0017	.0006	.0005	.0001	.000	.0011	.0001	.0001
%RSD	38.54	553.5	5.589	2.275	53.64	204.0	58.18	522.1	16.03
#1	.0021	.0015	.0119	.0207	-.0002	-.0001	-.0029	-.0001	.0005
#2	.0011	-.0019	.0119	.0208	-.0002	.0001	-.0020	.0001	.0004
#3	.0025	-.0005	.0108	.0200	-.0001	-.0001	-.0008	.0001	.0005

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30118-B1 Acquired: 3/15/2016 14:11:45 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0484	28.84	2.067	2.127	0.0545	27.10	0.0537	0.5335	2.160
Stddev	.0006	.06	.005	.009	.0002	.13	.0001	.0016	.0008
%RSD	1.232	.2131	.2393	.4385	.3847	.4789	.2702	.2921	.3505
#1	.0491	28.77	2.061	2.118	.0547	26.98	.0536	.5324	.2166
#2	.0481	28.88	2.067	2.137	.0544	27.24	.0536	.5328	.2151
#3	.0480	28.88	2.071	2.128	.0543	27.07	.0539	.5352	.2162

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.2713	28.14	2.067	2.118	0.0540	0.5195	26.89	0.5405	0.5108
Stddev	.0008	.09	.03	.18	.0022	.0017	.06	.0020	.0016
%RSD	.2860	.3050	.0942	.6500	.3951	.3290	.2308	.3706	.3090
#1	.2705	28.07	2.067	2.108	.0545	.5176	26.83	.5392	.5091
#2	.2720	28.23	2.067	2.137	.0544	.5201	26.95	.5395	.5110
#3	.2716	28.10	2.067	2.128	.0543	.5209	26.89	.5428	.5123

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.5182	2.087	0.0219	0.05491	0.5072	0.5245	2.043	0.5043	0.5390
Stddev	.0016	.010	.0007	.0026	.0020	.0011	.007	.0004	.0021
%RSD	.3111	.4612	3.041	.4739	.3880	.2053	.3658	.0853	.3852
#1	.5172	2.082	.0212	.05466	.5056	.5257	2.036	.5039	.5374
#2	.5201	2.081	.0218	.05490	.5094	.5241	2.044	.5042	.5384
#3	.5174	2.098	.0226	.05418	.5067	.5237	2.050	.5048	.5414

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30118-B1 Acquired: 3/15/2016 14:11:45 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2401.4	5059.0	39603.	4054.6
Stddev	8.8	10.8	35.	24.7
%RSD	.36525	.21435	.08920	.60947
#1	2411.5	5071.3	39624.	4074.9
#2	2397.0	5051.2	39562.	4027.1
#3	2395.8	5054.3	39622.	4061.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.2713	28.14	2.067	2.118	0.0540	0.5195	26.89	0.5405	0.5108
Stddev	.0008	.09	.03	.18	.0022	.0017	.06	.0020	.0016
%RSD	.2860	.3050	.0942	.6500	.3951	.3290	.2308	.3706	.3090
#1	.2705	28.07	2.067	2.108	.0545	.5176	26.83	.5392	.5091
#2	.2720	28.23	2.067	2.137	.0544	.5201	26.95	.5395	.5110
#3	.2716	28.10	2.067	2.128	.0543	.5209	26.89	.5428	.5123

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.5182	2.087	0.0219	0.05491	0.5072	0.5245	2.043	0.5043	0.5390
Stddev	.0016	.010	.0007	.0026	.0020	.0011	.007	.0004	.0021
%RSD	.3111	.4612	3.041	.4739	.3880	.2053	.3658	.0853	.3852
#1	.5172	2.082	.0212	.05466	.5056	.5257	2.036	.5039	.5374
#2	.5201	2.081	.0218	.05490	.5094	.5241	2.044	.5042	.5384
#3	.5174	2.098	.0226	.05418	.5067	.5237	2.050	.5048	.5414

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: FA32083-1 Acquired: 3/15/2016 14:15:59 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0020	197.6	.0956	4.595	.0084	122.2	.0601	1.501	.6005
Stddev	.0005	.6	.0003	.013	.0002	.6	.0002	.0004	.0013
%RSD	25.92	.3216	.2635	.2789	2.083	.5017	.3253	.2494	.2234
#1	.0016	196.9	.0953	4.584	.0086	121.5	.0603	1.504	.5996
#2	.0017	197.7	.0958	4.591	.0084	122.7	.0600	1.501	.5999
#3	.0025	198.2	.0957	4.609	.0082	122.4	.0599	1.497	.6021
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.192	370.1	73.90	86.70	6.786	.0427	9.254	5.480	5.285
Stddev	.003	.8	.23	.41	.010	.0004	.030	.0009	.014
%RSD	.2654	.2041	.3109	.4691	.1501	.9115	.3217	.1621	.2651
#1	1.196	369.2	73.70	86.27	6.775	.0428	9.255	5.472	5.280
#2	1.191	370.5	73.84	87.08	6.787	.0431	9.224	5.490	5.273
#3	1.189	370.6	74.15	86.75	6.795	.0423	9.284	5.478	5.300
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0126	-.0019	2.637	1.135	1.139	9.338	.0067	5.699	7.214
Stddev	.0013	.0036	.001	.0013	.005	.034	.0008	.0015	.014
%RSD	10.19	192.3	.0331	.9907	.4517	.3615	11.94	2.600	1.889
#1	.0127	-.0049	2.636	1.135	1.135	9.377	.0076	5.690	7.321
#2	.0113	-.0029	2.637	1.136	1.138	9.321	.0062	5.691	7.298
#3	.0139	.0021	2.638	1.139	1.145	9.316	.0062	5.716	7.323
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2387.2	5906.3	4627.0	4763.2					
Stddev	5.1	11.8	139.	40.6					
%RSD	.21279	.19902	.29937	.85258					
#1	2383.3	5894.5	4636.4	4809.3					
#2	2392.9	5918.0	46335.	4732.8					
#3	2385.2	5906.6	46111.	4747.5					

Sample Name: MP30118-D1 Acquired: 3/15/2016 14:20:35 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0029	214.9	.1007	7.479	.0088	128.2	.0641	1.548	.6711
Stddev	.0003	1.2	.0012	.064	.0001	.2	.0002	.0001	.0026
%RSD	9.741	.5520	1.165	.8551	1.496	.1513	.2492	.0721	.3900
#1	.0027	213.7	.1020	7.429	.0089	128.2	.0642	1.548	.6685
#2	.0032	216.1	.1004	7.551	.0089	128.4	.0639	1.549	.6712
#3	.0027	214.8	.0997	7.456	.0087	128.0	.0642	1.547	.6737
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.226	393.5	80.11	88.05	7.302	.0410	10.63	5.192	6.001
Stddev	.001	1.4	.44	.14	.023	.0004	.06	.0006	.015
%RSD	.0729	.3461	.5497	.1625	.3106	1.044	.5987	.1072	.2464
#1	1.227	392.5	79.79	87.97	7.298	.0406	10.61	5.186	5.998
#2	1.225	395.1	80.61	88.22	7.282	.0410	10.70	5.198	5.988
#3	1.226	393.1	79.92	87.97	7.327	.0415	10.58	5.192	6.017
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0111	-.0017	2.659	1.1323	1.216	9.980	.0045	6.019	8.078
Stddev	.0005	.0035	.005	.0002	.009	.047	.0034	.0012	.015
%RSD	4.338	211.9	.1713	.1519	.7767	4.743	75.87	2.033	1.860
#1	.0115	.0023	2.664	1.1324	1.209	10.03	.0035	6.006	8.065
#2	.0113	-.0044	2.654	1.1321	1.227	9.975	.0017	6.019	8.075
#3	.0106	-.0030	2.659	1.1325	1.213	9.935	.0082	6.030	8.095
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2380.7	5950.8	46348.	4794.5					
Stddev	5.8	3.1	75.	5.4					
%RSD	.24375	.05287	.16244	.11314					
#1	2381.4	5949.4	46285.	4798.1					
#2	2386.0	5954.4	46432.	4797.2					
#3	2374.5	5948.7	46327.	4788.3					

7.1
7

Sample Name: MP30118-SD1 Acquired: 3/15/2016 14:25:09 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.2320	998.6	.9369	24.13	.2736	630.0	.5238	9.726	3.238
Stddev	.0055	2.1	.0069	.07	.0019	3.8	.0015	.0038	.003
%RSD	2.387	.2100	.7380	.2968	.6935	6.004	.2876	.3947	.0773
#1	.2257	997.8	.9408	24.07	.2727	627.2	.5250	9.770	3.237
#2	.2362	997.0	.9289	24.11	.2723	628.6	.5242	9.713	3.237
#3	.2340	1001.	.9409	24.21	.2758	634.3	.5221	9.696	3.241
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	6.436	1858.	412.3	454.2	34.36	6499	89.00	3.180	26.70
Stddev	.010	6.	1.7	1.3	.08	.0012	.45	.007	.10
%RSD	.1500	.3214	.4210	.2923	.2257	.1887	.5027	2.265	.3851
#1	6.442	1855.	411.1	453.2	34.36	.6512	88.65	3.172	26.59
#2	6.442	1854.	411.5	453.7	34.43	.6499	88.85	3.184	26.71
#3	6.425	1865.	414.2	455.7	34.28	.6487	89.50	3.184	26.80
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5408	.4383	13.30	.8866	5.903	47.30	.5049	3.066	37.70
Stddev	.0204	.0178	.01	.0027	.018	.24	.0113	.003	.08
%RSD	3.776	4.068	.1100	.3048	.3102	4.970	2.238	.0878	.2133
#1	.5181	.4201	13.31	.8835	5.894	47.04	.4920	3.068	37.61
#2	.5465	.4557	13.30	.8878	5.891	47.49	.5094	3.063	37.72
#3	.5577	.4390	13.28	.8886	5.924	47.37	.5132	3.068	37.77
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2337.8	5810.6	45292.	4688.9					
Stddev	6.5	13.6	101.	11.8					
%RSD	.27762	.23427	.22305	.25256					
#1	2345.3	5803.3	45405.	4692.6					
#2	2334.1	5802.2	45210.	4698.5					
#3	2334.0	5826.3	45260.	4675.7					

Sample Name: MP30118-PS1 Acquired: 3/15/2016 14:29:44 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0002	46.12	.0198	1.064	.0017	28.86	.0139	.0364	1.447
Stddev	.0006	.04	.0025	.007	.0001	.06	.0001	.0002	.0007
%RSD	258.7	.0829	12.66	.6345	5.359	.2197	1.073	.6840	.4674
#1	-.0004	46.16	.0227	1.061	.0018	28.81	.0138	.0367	1.440
#2	.0007	46.11	.0186	1.071	.0016	28.84	.0141	.0364	1.450
#3	.0004	46.09	.0182	1.059	.0018	28.93	.0139	.0362	1.453
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2769	90.00	17.24	20.34	1.673	.0091	2.093	1.328	1.122
Stddev	.0012	.04	.08	.18	.004	.0003	.023	.0006	.005
%RSD	.4291	.0422	4.360	.8901	.2259	2.851	1.087	.4385	.4479
#1	.2771	90.04	17.18	20.26	1.673	.0093	2.091	1.334	1.126
#2	.2756	89.97	17.33	20.22	1.677	.0089	2.117	1.326	1.124
#3	.2780	89.98	17.21	20.55	1.670				

Sample Name: CCV Acquired: 3/15/2016 14:34:04 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2597	41.25	2.058	2.050	2.063	41.49	2.088	2.078	2.084
Stddev	.0006	.04	.001	.005	.005	.07	.002	.001	.005
%RSD	.2432	.1069	.0650	.2613	.2670	.1737	.0893	.0564	.2383

#1	.2594	41.26	2.059	2.052	2.059	41.43	2.086	2.076	2.084
#2	.2594	41.20	2.057	2.044	2.069	41.57	2.089	2.079	2.089
#3	.2605	41.28	2.058	2.053	2.062	41.47	2.089	2.078	2.079

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.057	40.22	41.47	41.43	2.113	2.057	41.27	2.083	2.052
Stddev	.004	.02	.19	.04	.009	.002	.08	.001	.006
%RSD	.1699	.0581	.4521	.0960	.4486	.1045	.1956	.0560	.3166

#1	2.059	40.20	41.41	41.42	2.114	2.055	41.21	2.082	2.044
#2	2.057	40.23	41.33	41.48	2.122	2.057	41.24	2.085	2.056
#3	2.053	40.24	41.69	41.40	2.103	2.059	41.36	2.083	2.054

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.056	2.061	2.153	2.084	2.056	2.091	2.060	2.063	2.089
Stddev	.002	.004	.001	.003	.007	.009	.010	.004	.003
%RSD	.0979	.1785	.0658	.1389	.3384	.4564	.4697	.2176	.1385

#1	2.056	2.062	2.152	2.084	2.058	2.091	2.050	2.068	2.086
#2	2.054	2.065	2.152	2.087	2.049	2.101	2.069	2.059	2.090
#3	2.058	2.057	2.155	2.081	2.062	2.082	2.060	2.061	2.091

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/15/2016 14:34:04 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2283.7	4948.7	38735.	3962.2
Stddev	3.3	1.8	60.	14.9
%RSD	.14280	.03583	.15461	.37534

#1	2287.3	4946.8	38738.	3958.0
#2	2282.6	4949.3	38674.	3978.7
#3	2281.1	4950.2	38794.	3949.8

Sample Name: CCB Acquired: 3/15/2016 14:38:15 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0015	-0.0001	.0000	.0001	.0044	.0001	.0001	.0002
Stddev	.0003	.0054	.0008	.0001	.0000	.0030	.0000	.0001	.0002
%RSD	333.4	354.5	757.9	415.2	32.66	67.40	77.68	144.2	104.4

#1	.0000	-0.0002	-0.0002	.0002	.0001	.0078	.0001	.0002	.0003
#2	-.0001	.0076	-0.0009	-.0001	.0001	.0021	.0001	.0001	.0000
#3	.0004	-.0028	.0007	.0000	.0001	.0034	.0000	.0000	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0141	.0298	-0.0074	.0001	.0007	.0170	.0001	-0.0005
Stddev	.0001	.0056	.0225	.0011	.0000	.0003	.0061	.0002	.0004
%RSD	39.63	39.54	75.55	15.45	68.47	39.99	35.99	178.0	81.87

#1	.0002	.0186	.0041	-.0063	.0001	.0011	.0191	.0001	-.0004
#2	.0001	.0157	.0458	-.0073	.0000	.0006	.0219	.0003	-.0002
#3	.0003	.0079	.0397	-.0085	.0000	.0005	.0101	-.0001	-.0010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	.0006	.0016	.0002	.0001	.0009	.0007	.0001	.0000
Stddev	.0012	.0010	.0007	.0002	.0001	.0001	.0012	.0001	.000
%RSD	100.2	177.9	43.59	106.7	98.82	8.082	177.1	81.97	565.0

#1	.0020	-.0001	.0022	.0002	.0001	.0009	-.0003	.0000	.0000
#2	.0016	.0017	.0008	.0004	.0000	.0008	.0020	.0002	.0000
#3	-.0002	.0001	.0017	.0000	.0001	.0008	.0004	.0001	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/15/2016 14:38:15 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2619.5	5233.2	40665.	4098.3
Stddev	2.5	10.4	284.	23.9
%RSD	.09470	.19956	.69822	.58364

#1	2621.2	5244.2	40368.	4073.0
#2	2616.6	5223.4	40934.	4120.5
#3	2620.5	5232.2	40693.	4101.4

Sample Name: MP30118-S1 Acquired: 3/15/2016 14:42:49 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.439	276.8	1.785	8.626	0.058	149.6	1.089	5.870	9.257
Stddev	.0010	.7	.004	.024	.0005	.7	.0003	.0012	.0031
%RSD	2.259	.2585	.2296	.2782	.8184	.4880	.2389	.2085	.3392
#1	.0429	277.0	1.785	8.639	.0554	149.7	.1090	5.873	.9224
#2	.0448	276.0	1.789	8.598	.0557	148.9	.1091	5.880	.9261
#3	.0441	277.3	1.781	8.640	.0563	150.3	.1086	5.856	.9286
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.637	442.0	111.7	119.0	7.665	3.945	32.96	9.933	F 8.049
Stddev	.003	.4	.5	.5	.050	.0002	.07	.0012	.024
%RSD	.1563	.0871	.4187	.4021	.6507	.0430	.2035	.1180	.3012
#1	1.639	441.6	111.6	119.0	7.684	.3945	33.03	9.944	8.036
#2	1.634	441.9	111.3	118.5	7.609	.3943	32.91	9.921	8.035
#3	1.639	442.4	112.2	119.5	7.703	.3946	32.93	9.935	8.077
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	0.878	1.699	3.086	5.458	1.698	F 11.68	1.953	1.069	F 9.127
Stddev	.0017	.003	.007	.024	.005	.07	.005	.004	.014
%RSD	1.953	.2010	.2367	.4394	.2950	.6361	.2490	.4101	.1545
#1	.0896	1.698	3.084	5.468	1.702	11.68	1.952	1.066	9.111
#2	.0875	1.703	3.094	5.475	1.693	11.61	1.949	1.068	9.129
#3	.0862	1.697	3.080	5.430	1.700	11.76	1.958	1.074	9.139
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2316.3	6015.6	4695.1	4852.1					
Stddev	5.6	12.0	87.	4.1					
%RSD	.24330	.20021	.18555	.08534					
#1	2311.6	6004.9	4689.7	4855.4					
#2	2322.5	6013.2	4705.2	4853.5					
#3	2314.7	6028.6	4690.6	4847.5					

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Sample Name: MP30118-S2 Acquired: 3/15/2016 14:50:22 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.431	274.4	1.772	6.799	0.058	149.8	1.057	5.830	.8399
Stddev	.0003	.5	.006	.026	.0001	.3	.0003	.0009	.0029
%RSD	.6227	.1670	.3553	.3873	.2265	.2065	.2369	.1482	.3471
#1	.0432	274.1	1.764	6.808	.0556	149.5	.1057	5.837	.8426
#2	.0433	275.0	1.775	6.820	.0559	149.8	.1055	5.821	.8404
#3	.0428	274.2	1.775	6.769	.0558	150.1	.1060	5.833	.8368
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.411	419.1	110.6	121.0	7.549	3.834	32.38	9.536	5.913
Stddev	.002	1.0	.1	.6	.028	.0009	.14	.0010	.022
%RSD	.1617	.2384	.0748	.4870	.3693	.2321	.4356	.1034	.3651
#1	1.409	418.0	110.7	120.6	7.548	.3835	32.30	9.543	5.903
#2	1.414	419.7	110.7	120.7	7.522	.3825	32.54	9.540	5.899
#3	1.410	419.7	110.5	121.7	7.577	.3843	32.30	9.525	5.938
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	0.814	1.700	2.722	4.952	1.634	F 11.76	1.958	1.061	7.843
Stddev	.0006	.005	.002	.012	.004	.02	.009	.002	.014
%RSD	.7250	.3134	.0666	.2465	.2551	.1935	.4666	.1674	.1837
#1	.0808	1.695	2.720	4.955	1.633	11.74	1.953	1.059	7.847
#2	.0818	1.700	2.724	4.938	1.638	11.78	1.953	1.063	7.839
#3	.0817	1.706	2.723	4.962	1.629	11.76	1.969	1.060	7.867
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2318.3	6033.5	4692.7	4839.3					
Stddev	2.4	8.3	63.	10.5					
%RSD	.10394	.13818	.13481	.21727					
#1	2318.8	6025.9	4693.9	4850.7					
#2	2315.6	6032.1	4698.3	4837.1					
#3	2320.4	6042.4	4685.8	4830.0					

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7.1
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Sample Name: FA32086-2 Acquired: 3/15/2016 14:54:54 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.094	197.2	0.942	3.551	0.080	198.1	0.970	1.396	6.023
Stddev	.0004	.1	.0010	.009	.0001	.5	.0003	.0004	.0003
%RSD	4.479	.0636	1.033	.2649	1.042	.2683	.2692	.2935	.0507
#1	.0098	197.3	.0951	3.552	.0080	198.7	.0972	1.401	.6019
#2	.0090	197.0	.0943	3.561	.0081	198.0	.0967	1.395	.6024
#3	.0095	197.2	.0931	3.542	.0079	197.6	.0972	1.393	.6025
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.341	332.2	75.47	82.78	6.402	0.370	4.997	4.887	3.483
Stddev	.004	.1	.15	.05	.034	.0002	.028	.0008	.004
%RSD	.2587	.0422	.2037	.0620	.5365	.4609	.5672	.1600	.1109
#1	1.338	332.4	75.64	82.73	6.396	.0372	5.005	4.895	3.481
#2	1.345	332.2	75.33	82.83	6.439	.0368	5.021	4.880	3.482
#3	1.341	332.2	75.43	82.80	6.371	.0370	4.966	4.886	3.488
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.078	0.012	3.072	1.703	1.203	F 9.036	0.035	5.652	F 9.783
Stddev	.0027	.0020	.010	.0003	.002	.034	.0024	.0020	.036
%RSD	34.53	165.1	.3330	.1745	.1297	.3729	68.39	3513	.3666
#1	.0081	.0008	3.061	.1706	1.202	9.051	.0007	5.630	9.825
#2	.0103	.0013	3.075	.1703	1.205	8.998	.0048	5.669	9.766
#3	.0049	.0032	3.081	.1700	1.204	9.060	.0050	5.655	9.760
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2357.3	5850.2	4594.6	4690.6					
Stddev	4.3	10.8	147.	14.9					
%RSD	.18170	.18479	.32016	.31735					
#1	2359.6	5850.2	4600.0	4689.3					
#2	2360.0	5861.0	4578.0	4706.1					
#3	2352.4	5839.4	4606.0	4676.4					

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Sample Name: MP30118-D2 Acquired: 3/15/2016 14:59:29 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.081	197.1	0.964	3.602	0.079	215.1	1.114	1.398	.6580
Stddev	.0004	.4	.0022	.005	.0001	.4	.0001	.0005	.0020
%RSD	4.885	.1981	2.306	.1480	1.339	.1833	.1073	.3558	.2971
#1	.0077	196.9	.0986	3.601	.0078	215.6	.1115	1.395	.6566
#2	.0080	197.5	.0942	3.607	.0079	214.9	.1113	1.396	.6602
#3	.0085	196.8	.0962	3.597	.0080	214.9	.1114	1.404	.6572
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.423	327.2	74.23	82.25	6.325	0.405	5.304	5.082	3.616
Stddev	.001	.1	.10						

Sample Name: MP30118-SD2 Acquired: 3/15/2016 15:04:05 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0140	232.2	.1161	4.151	.0085	236.2	.1194	.1732	.7370
Stddev	.0023	.7	.0041	.007	.0005	1.1	.0005	.0015	.0046
%RSD	16.05	.2894	3.565	.1661	5.584	.4551	.4191	.8548	.6249
#1	.0135	231.5	.1205	4.147	.0090	235.4	.1194	.1742	.7354
#2	.0165	232.8	.1154	4.159	.0080	235.8	.1200	.1715	.7422
#3	.0121	232.3	.1123	4.147	.0085	237.4	.1190	.1738	.7333
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.595	409.4	88.74	98.13	8.132	0.382	5.928	6.029	3.785
Stddev	.003	1.0	.15	.60	.043	.0021	.021	.0042	.006
%RSD	.2031	.2518	.1692	.6089	.5266	5.380	.3507	.6977	.1706
#1	1.598	408.3	88.59	97.53	8.148	.0393	5.913	.6077	3.779
#2	1.592	410.2	88.76	98.13	8.164	.0395	5.952	.5999	3.792
#3	1.595	409.9	88.89	98.72	8.083	.0358	5.919	.6011	3.785
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0200	-0.146	3.747	.2115	1.430	11.21	.0086	.6798	12.39
Stddev	.0102	.0091	.014	.0059	.002	.04	.0187	.0026	.03
%RSD	51.03	62.43	.3694	2.768	.1426	.3381	21.85	.3808	.2532
#1	.0123	-0.068	3.752	.2183	1.427	11.22	.0265	.6828	12.42
#2	.0161	-0.247	3.757	.2079	1.431	11.25	-.0109	.6786	12.36
#3	.0315	-0.124	3.731	.2083	1.431	11.17	.0101	.6781	12.38
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2525.7	5387.1	4215.1	4317.4					
Stddev	.4	7.4	254.	28.2					
%RSD	.01538	.13773	.60216	.65285					
#1	2525.7	5378.5	4207.5	4349.9					
#2	2526.0	5391.5	4194.3	4299.7					
#3	2525.3	5391.2	42434.	4302.6					

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Sample Name: MP30118-S3 Acquired: 3/15/2016 15:13:01 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0516	266.3	1.838	6.073	.0558	248.0	.1706	.5856	.9183
Stddev	.0002	.5	.001	.011	.0001	.6	.0002	.0007	.0041
%RSD	.3913	.1925	.0386	.1816	.2587	.2608	.1100	.1158	.4499
#1	.0515	266.9	1.839	6.082	.0557	248.7	.1704	.5850	.9186
#2	.0515	266.0	1.838	6.061	.0558	247.8	.1707	.5857	.9222
#3	.0519	265.9	1.837	6.077	.0560	247.5	.1707	.5863	.9140
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.870	392.2	110.6	118.4	7.599	.3975	28.93	1.041	4.696
Stddev	.001	.7	.4	.4	.006	.0004	.02	.001	.015
%RSD	.0532	.1789	.3347	.3148	.0782	.0954	.0581	.0820	.3173
#1	1.871	392.7	110.9	118.8	7.605	.3979	28.94	1.040	4.712
#2	1.870	392.5	110.2	118.4	7.600	.3973	28.91	1.042	4.683
#3	1.869	391.4	110.8	118.0	7.593	.3973	28.94	1.041	4.693
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0821	1.756	3.182	.5061	1.807	10.97	1.967	1.057	13.29
Stddev	.0003	.003	.012	.0012	.006	.07	.008	.003	.02
%RSD	.4053	.1881	.3620	.2344	.3394	.6008	.4061	.2866	.1473
#1	.0819	1.754	3.169	.5056	1.814	11.01	1.968	1.059	13.31
#2	.0825	1.760	3.191	.5052	1.805	11.00	1.959	1.059	13.28
#3	.0821	1.754	3.186	.5074	1.803	10.89	1.975	1.054	13.27
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2301.8	5921.6	4653.8	4840.6					
Stddev	3.7	6.3	211.	25.3					
%RSD	.16165	.10700	.45434	.52193					
#1	2297.8	5927.9	46341.	4811.8					
#2	2305.1	5921.6	46513.	4850.9					
#3	2302.5	5915.2	46761.	4859.1					

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Sample Name: MP30118-PS2 Acquired: 3/15/2016 15:08:25 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0525	197.6	.1846	3.765	.0539	199.3	.1410	.1824	.6449
Stddev	.0009	.8	.0014	.010	.0003	.9	.0006	.0008	.0015
%RSD	1.668	.4046	.7845	.2708	.5378	.4714	.4513	.4359	.2315
#1	.0522	196.7	.1836	3.754	.0536	198.3	.1417	.1834	.6436
#2	.0534	198.0	.1838	3.769	.0542	200.1	.1408	.1820	.6466
#3	.0517	198.2	.1862	3.774	.0539	199.6	.1405	.1820	.6446
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.436	331.4	83.44	85.69	6.447	1.232	13.96	5.718	3.505
Stddev	.001	1.1	.43	.48	.026	.0003	.04	.0005	.006
%RSD	.0938	.3265	.5210	.5594	.4111	.2260	.2594	.0858	.1823
#1	1.435	330.2	82.95	85.24	6.417	1.231	13.92	5.723	3.510
#2	1.435	332.1	83.76	86.19	6.457	1.236	13.98	5.713	3.498
#3	1.437	332.1	83.61	85.63	6.467	1.231	13.97	5.719	3.507
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1038	.0866	3.155	.2109	1.236	9.182	.1024	.6034	9.902
Stddev	.0008	.0023	.006	.0005	.006	.055	.0024	.0013	.018
%RSD	8.120	2.673	.1945	.2590	.4900	5.959	2.343	.2157	.1845
#1	.1047	.0879	3.162	.2112	1.229	9.143	.1015	.6019	9.919
#2	.1030	.0840	3.151	.2113	1.239	9.158	.1005	.6040	9.905
#3	.1037	.0881	3.152	.2103	1.240	9.245	.1051	.6043	9.883
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2347.4	5825.9	4558.3	4742.1					
Stddev	3.8	11.0	41.	16.1					
%RSD	.16041	.18819	.09047	.33987					
#1	2343.1	5816.3	4559.9	4760.4					
#2	2350.0	5823.7	4553.6	4730.2					
#3	2349.1	5837.8	4561.3	4735.7					

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Sample Name: MP30118-S4 Acquired: 3/15/2016 15:17:31 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0532	224.4	1.867	5.451	.0554	231.0	.1406	.5699	.7773
Stddev	.0000	.2	.003	.009	.0001	.1	.0002	.0012	.0022
%RSD	.0851	.0981	.1578	.1581	.2243	.0600	.1186	.2077	.2860
#1	.0531	224.2	1.869	5.447	.0554	222.0	.1405	.5686	.7783
#2	.0531	224.4	1.864	5.444	.0555	221.8	.1405	.5700	.7788
#3	.0532	224.6	1.869	5.461	.0553	221.8	.1408	.5710	.7747
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.645	335.4	96.40	103.7	6.512	3.600	28.62	9.353	3.676
Stddev	.002	.4	.04	.1	.018	.0007	.05	.0028	.009
%RSD	.1303	.1201	.0449	.0806	.2697	.2001	.1850	.2941	.2355
#1	1.643	335.1	96.35	103.7	6.532	.3593	28.60	.9322	3.681
#2	1.645	335.2	96.43	103.7	6.505	.3600	28.58	.9366	3.666
#3	1.647	335.8	96.43	103.6	6.499	.3608	28.68	.9373	3.682
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0924	1.801	3.508	4.379	1.556	9.88			

Sample Name: FA32119-11 Acquired: 3/15/2016 15:22:01 Type: Unk
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0021	250.1	.1018	3.746	.0112	135.8	.0244	1.744	.5255
Stddev	.0004	.4	.0008	.010	.0001	.4	.0003	.0005	.0038
%RSD	18.71	.1517	.8191	.2557	1.245	.2590	1.129	.3086	.7234
#1	.0022	250.2	.1011	3.748	.0110	135.5	.0247	1.749	.5213
#2	.0016	249.7	.1027	3.735	.0113	135.6	.0243	1.739	.5285
#3	.0023	250.4	.1014	3.754	.0112	136.2	.0241	1.743	.5268
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.8116	394.5	83.82	110.0	7.550	.0321	8.983	4.711	2.620
Stddev	.0019	.5	.14	.3	.044	.0007	.003	.0005	.007
%RSD	.2374	.1219	.1701	.2905	.5789	2.188	.0286	.1023	.2506
#1	.8094	393.9	83.78	109.8	7.501	.0317	8.980	4.713	2.616
#2	.8131	394.9	83.69	109.9	7.583	.0330	8.985	4.706	2.617
#3	.8123	394.6	83.97	110.4	7.568	.0318	8.985	4.715	2.628
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0011	-0.0025	2.226	0.732	1.234	9.961	0.080	7.030	3.814
Stddev	.0023	.0012	.003	.0004	.004	.077	.0042	.0042	.006
%RSD	212.5	49.08	.1545	.5527	.2946	.7769	51.82	59.74	1.637
#1	.0005	-0.0039	2.229	.0731	1.235	9.948	.0070	6.983	3.815
#2	.0000	-0.0016	2.228	.0737	1.230	10.04	.0126	7.065	3.808
#3	-0.0037	-0.0020	2.223	.0729	1.237	9.891	.0045	7.042	3.820
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2355.2	6142.6	4875.2	5031.8					
Stddev	5.1	.5	328.	10.9					
%RSD	.21754	.00786	.67339	.21746					
#1	2360.9	6142.1	4905.1	5044.1					
#2	2353.9	6143.1	4840.1	5023.2					
#3	2350.9	6142.6	4880.5	5028.0					

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7.1
7

Sample Name: FA32119-12 Acquired: 3/15/2016 15:26:38 Type: Unk
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0016	222.6	.1181	3.031	.0100	115.2	.0227	1.603	.4860
Stddev	.0002	.4	.0003	.004	.0000	.2	.0002	.0003	.0024
%RSD	12.64	.1987	.2551	.1372	.1905	.1705	.8372	.1976	.4914
#1	.0014	222.3	.1184	3.031	.0100	115.4	.0229	1.604	.4853
#2	.0015	223.1	.1178	3.026	.0100	115.2	.0228	1.605	.4841
#3	.0018	222.4	.1181	3.035	.0099	115.1	.0225	1.599	.4887
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6886	371.3	71.82	101.1	6.642	.0255	7.406	4.341	2.037
Stddev	.0014	1.0	.15	.6	.015	.0004	.028	.0010	.003
%RSD	.1965	.2812	.2132	.5634	.2316	1.630	.3800	.2350	.1684
#1	.6884	370.6	71.85	101.3	6.649	.0250	7.393	4.340	2.041
#2	.6900	372.5	71.65	101.6	6.624	.0258	7.438	4.351	2.034
#3	.6873	370.7	71.96	100.5	6.652	.0257	7.386	4.330	2.037
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0010	-0.0025	1.805	.0568	.9435	9.238	.0071	6.699	3.625
Stddev	.0005	.0016	.003	.0003	.0003	.075	.0029	.0016	.002
%RSD	47.92	62.52	.1603	.5912	.0297	8.094	40.36	2.456	.0510
#1	.0016	-0.0042	1.808	.0570	.9437	9.295	.0096	6.691	3.625
#2	.0007	-0.0011	1.805	.0564	.9432	9.153	.0040	6.688	3.624
#3	.0008	-0.0023	1.803	.0570	.9437	9.265	.0078	6.718	3.628
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2374.5	6061.2	4776.0	4919.8					
Stddev	5.9	11.0	127.	24.8					
%RSD	.24832	.18167	.26655	.50506					
#1	2375.2	6063.2	4770.9	4917.6					
#2	2368.3	6049.3	4790.5	4896.0					
#3	2380.1	6071.0	4766.6	4945.6					

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Sample Name: CCV Acquired: 3/15/2016 15:31:12 Type: QC
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2586	41.12	2.033	2.064	2.043	41.03	2.052	2.057	2.035
Stddev	.0010	.17	.006	.009	.008	.23	.001	.001	.005
%RSD	.3878	.4054	.3074	.4144	.3994	.5658	.0309	.0231	.2665
#1	.2584	41.30	2.033	2.073	2.052	41.29	2.053	2.058	2.032
#2	.2596	40.97	2.027	2.056	2.038	40.96	2.052	2.057	2.041
#3	.2576	41.10	2.039	2.064	2.039	40.84	2.052	2.057	2.031

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.058	39.70	41.70	40.57	2.058	2.038	41.17	2.067	2.013
Stddev	.011	.16	.20	.20	.006	.004	.18	.002	.005
%RSD	.5202	.4105	.4774	.4948	.3069	.1755	.4418	.0822	.2598
#1	2.059	39.89	41.93	40.79	2.052	2.040	41.38	2.069	2.019
#2	2.067	39.59	41.59	40.54	2.065	2.034	41.05	2.067	2.010
#3	2.046	39.62	41.58	40.39	2.058	2.041	41.08	2.066	2.009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.046	2.052	2.142	2.064	2.069	2.050	2.029	2.045	2.046
Stddev	.004	.004	.004	.002	.012	.002	.002	.006	.001
%RSD	.2139	.1835	.1735	.0961	.5889	.1120	.1088	.3035	.0442
#1	2.049	2.049	2.146	2.063	2.082	2.048	2.031	2.044	2.047
#2	2.041	2.051	2.141	2.062	2.058	2.053	2.027	2.051	2.046
#3	2.049	2.056	2.139	2.066	2.066	2.049	2.030	2.039	2.046

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

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Sample Name: CCV Acquired: 3/15/2016 15:31:12 Type: QC
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2306.3	4996.0	39516.	4062.9
Stddev	2.4	9.9	101.	35.6
%RSD	.10292	.19893	.25617	.87606
#1	2308.9	5007.5	39580.	4023.1
#2	2304.3	4990.5	39399.	4073.9
#3	2305.6	4990.1	39568.	4091.7

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Sample Name: CCB Acquired: 3/15/2016 15:35:22 Type: QC
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0059	-.0002	.0002	.0002	.0062	.0001	.0002	.0003
Stddev	.000	.0039	.0002	.0003	.0001	.0051	.0001	.0001	.0002
%RSD	4445.	65.99	124.2	153.1	48.50	81.28	80.73	31.80	70.72
#1	.0000	.0019	-.0001	.0004	.0003	.0076	.0002	.0002	.0001
#2	.0001	.0062	.0000	.0003	.0001	.0105	.0001	.0002	.0005
#3	-.0001	.0097	-.0004	-.0001	.0002	.0006	.0000	.0001	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0164	.0681	.0072	.0002	.0008	.0201	.0001	-.0009
Stddev	.0000	.0043	.0156	.0189	.0001	.0003	.0129	.0000	.0004
%RSD	9.405	26.48	22.88	262.2	41.94	41.48	64.24	42.36	42.56
#1	.0005	.0211	.0591	-.0115	.0002	.0011	.0063	.0001	-.0013
#2	.0004	.0126	.0591	.0263	.0002	.0006	.0222	.0001	-.0009
#3	.0004	.0153	.0861	.0068	.0001	.0005	.0318	.0001	-.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.0003	.0025	.0005	.0002	.0011	.0002	.0002	.0000
Stddev	.0014	.0008	.0002	.0002	.0000	.0001	.0006	.0002	.0000
%RSD	148.4	265.0	6.146	39.42	27.62	5.808	268.2	84.27	94.80
#1	-.0006	.0006	.0025	.0007	.0002	.0011	-.0002	.0004	.0001
#2	.0021	.0008	.0026	.0003	.0001	.0011	.0009	.0001	.0000
#3	.0012	-.0006	.0023	.0004	.0002	.0010	-.0001	.0001	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: CCB Acquired: 3/15/2016 15:35:22 Type: QC
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2607.4	5209.8	40290.	4176.5
Stddev	1.7	4.4	824.	12.9
%RSD	.06565	.08386	2.0462	.30885
#1	2607.6	5207.4	39338.	4162.0
#2	2605.6	5207.0	40743.	4180.8
#3	2609.0	5214.8	40788.	4186.7

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0164	.0681	.0072	.0002	.0008	.0201	.0001	-.0009
Stddev	.0000	.0043	.0156	.0189	.0001	.0003	.0129	.0000	.0004
%RSD	9.405	26.48	22.88	262.2	41.94	41.48	64.24	42.36	42.56
#1	.0005	.0211	.0591	-.0115	.0002	.0011	.0063	.0001	-.0013
#2	.0004	.0126	.0591	.0263	.0002	.0006	.0222	.0001	-.0009
#3	.0004	.0153	.0861	.0068	.0001	.0005	.0318	.0001	-.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.0003	.0025	.0005	.0002	.0011	.0002	.0002	.0000
Stddev	.0014	.0008	.0002	.0002	.0000	.0001	.0006	.0002	.0000
%RSD	148.4	265.0	6.146	39.42	27.62	5.808	268.2	84.27	94.80
#1	-.0006	.0006	.0025	.0007	.0002	.0011	-.0002	.0004	.0001
#2	.0021	.0008	.0026	.0003	.0001	.0011	.0009	.0001	.0000
#3	.0012	-.0006	.0023	.0004	.0002	.0010	-.0001	.0001	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: FA32119-13 Acquired: 3/15/2016 15:39:55 Type: Unk
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0011	236.1	.0811	3.338	.0101	134.5	.0162	1.553	4.573
Stddev	.0006	.3	.0022	.010	.0001	.3	.0002	.0009	.0041
%RSD	58.09	.1380	2.701	.3073	.5055	.1998	.0002	.5585	.8923
#1	.0006	236.0	.0824	3.345	.0101	134.3	.0163	1.555	4.540
#2	.0009	236.5	.0786	3.343	.0100	134.8	.0161	1.543	4.619
#3	.0018	235.9	.0824	3.326	.0101	134.5	.0163	1.560	4.561

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6178	367.0	90.41	102.4	6.843	7.364	3.821	1.196	
Stddev	.0008	.6	.37	.5	.086	.0004	.021	.0011	.004
%RSD	.1225	.1742	.4140	.4801	1.263	1.472	.2840	.2938	.2921
#1	.6186	366.3	90.20	101.8	6.770	.0298	7.356	3.831	1.195
#2	.6171	367.6	90.84	102.6	6.938	.0289	7.388	3.809	1.193
#3	.6177	367.1	90.19	102.7	6.820	.0292	7.349	3.823	1.200

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0003	.0001	2.473	.0413	1.243	F 10.18	.0047	.6682	2.761
Stddev	.0028	.0052	.010	.0004	.001	.03	.0032	.0022	.002
%RSD	801.8	6269.	.4156	1.016	.0793	.3138	67.01	.3350	.0826
#1	-.0030	.0059	2.477	.0409	1.242	10.16	.0025	.6683	2.764
#2	-.0026	-.0013	2.462	.0414	1.244	10.22	.0083	.6704	2.759
#3	-.0007	-.0043	2.482	.0417	1.243	10.17	.0034	.6659	2.760

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2363.8	6120.4	48042.	4920.8
Stddev	4.7	13.7	290.	14.4
%RSD	.19932	.22356	.60463	.29245
#1	2361.0	6114.5	48080.	4933.1
#2	2369.3	6136.1	47735.	4905.0
#3	2361.2	6110.7	48312.	4924.3

Sample Name: FA32120-2 Acquired: 3/15/2016 15:44:32 Type: Unk
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0180	202.7	.0895	3.588	.0077	128.9	.0301	1.282	5.389
Stddev	.0002	.8	.0015	.013	.0001	.5	.0001	.0002	.0012
%RSD	.9405	4.071	1.667	.3535	1.124	.3736	.3106	.1661	.2258
#1	.0179	203.6	.0910	3.602	.0078	129.4	.0301	1.284	5.392
#2	.0180	202.3	.0880	3.577	.0076	129.0	.0300	1.280	5.399
#3	.0182	202.1	.0897	3.584	.0076	128.4	.0301	1.283	5.375

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.8852	306.9	74.37	85.69	5.809	.0238	5.097	3.515	2.369
Stddev	.0019	.8	.34	.57	.011	.0003	.018	.0003	.005
%RSD	.2188	.2657	.4630	.6689	.1857	1.334	.3480	.0934	.2145
#1	.8862	307.8	74.76	86.27	5.800	.0241	5.106	.3513	2.375
#2	.8829	306.5	74.25	85.67	5.805	.0236	5.077	.3514	2.365
#3	.8863	306.3	74.10	85.12	5.821	.0236	5.109	.3519	2.368

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0008	.0040	2.815	.1133	1.175	F 10.20	.0046	.5482	4.674
Stddev	.0005	.0034	.004	.0008	.004	.03	.0029	.0012	.009
%RSD	60.79	87.03	.1477	.6781	.3713	.3324	63.86	.2280	.1810
#1	.0004	.0002	2.817	.1129	1.180	10.22	.0019	.5484	4.683
#2	.0006	.0069	2.810	.1142	1.173	10.22	.0042	.5469	4.674
#3	.0013	.0048	2.817	.1127	1.172	10.16	.0076	.5494	

Sample Name: FA32120-3 Acquired: 3/15/2016 15:49:10 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0099	214.8	.0998	3.804	.0081	164.2	.0326	1.367	.5112
Stddev	.0004	.5	.0010	.006	.0000	.8	.0001	.0006	.0025
%RSD	4.370	.2265	.9603	.1620	.5477	.4618	.3018	.4185	.4846
#1	.0103	215.3	.0987	3.808	.0080	164.9	.0326	1.372	.5090
#2	.0099	214.7	.1004	3.797	.0081	164.1	.0327	1.361	.5107
#3	.0094	214.3	.1004	3.807	.0081	163.4	.0325	1.369	.5139
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.8142	317.9	73.99	89.10	5.987	.0217	5.009	3.354	2.737
Stddev	.0035	1.0	.21	.70	.043	.0005	.012	.0003	.010
%RSD	.4302	.3175	.2809	.7877	.7206	2.110	.2327	.0888	.3652
#1	.8176	318.9	74.23	89.77	5.944	.0213	5.021	3.357	2.747
#2	.8106	317.8	73.92	89.14	5.987	.0215	5.008	3.351	2.727
#3	.8142	316.9	73.83	88.37	6.030	.0222	4.998	3.355	2.738
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0004	.0041	2.806	1.096	1.369	10.74	.0043	5.654	4.343
Stddev	.0014	.0011	.004	.0004	.002	.10	.0039	.0029	.006
%RSD	377.7	26.92	.1292	.3959	.1449	.9352	91.88	5.159	1.327
#1	-.0005	.0047	2.808	.1100	1.370	10.64	.0000	5.640	4.347
#2	-.0003	.0047	2.807	.1092	1.367	10.74	.0052	5.634	4.336
#3	.0019	.0028	2.801	.1094	1.371	10.84	.0076	5.687	4.342
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2350.1	5835.6	4640.3	4781.7					
Stddev	1.1	8.6	137.	41.1					
%RSD	.04566	.14712	.29439	.85918					
#1	2350.7	5837.4	4653.0	4745.2					
#2	2348.8	5826.3	4642.2	4773.8					
#3	2350.6	5843.1	4625.8	4826.2					

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Sample Name: FA32120-4 Acquired: 3/15/2016 15:53:48 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0076	245.7	.1220	5.218	.0093	137.5	.0546	1.653	.6315
Stddev	.0005	1.2	.0034	.033	.0001	.6	.0001	.0003	.0033
%RSD	6.393	.5011	2.758	.6378	.7566	.4340	.1964	.2042	.5281
#1	.0073	246.5	.1193	5.241	.0093	138.1	.0546	1.651	.6279
#2	.0073	246.3	.1210	5.234	.0093	137.6	.0547	1.656	.6320
#3	.0081	244.2	.1258	5.180	.0092	136.9	.0545	1.650	.6345
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.9326	369.3	84.14	99.90	6.692	.0250	6.922	4.087	7.691
Stddev	.0051	1.4	.66	.40	.032	.0004	.024	.0002	.016
%RSD	.5448	.3893	.7853	.4003	.4799	1.428	.3504	.0489	.2018
#1	.9307	370.0	84.61	100.3	6.724	.0248	6.945	4.089	7.709
#2	.9287	370.2	84.42	99.94	6.660	.0254	6.925	4.085	7.684
#3	.9384	367.7	83.38	99.48	6.692	.0248	6.897	4.086	7.681
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0024	.0024	2.528	1.158	1.184	12.28	.0010	6.546	7.463
Stddev	.0026	.0060	.003	.0003	.007	.08	.0046	.0025	.009
%RSD	108.4	250.5	.1123	.2585	.5807	6.228	483.5	3.784	1.186
#1	.0045	.0073	2.527	.1156	1.187	12.34	.0054	6.517	7.472
#2	-.0005	-.0043	2.532	.1162	1.190	12.19	-.0038	6.563	7.455
#3	.0031	.0041	2.527	.1158	1.177	12.30	.0013	6.557	7.462
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2371.3	6020.5	4786.9	4986.5					
Stddev	2.1	.9	199.	27.9					
%RSD	.08713	.01530	.41671	.55965					
#1	2369.1	6021.4	4781.3	4963.0					
#2	2373.2	6020.7	4809.0	4979.2					
#3	2371.6	6019.5	4770.3	5017.4					

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7.1
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Sample Name: FA32120-5 Acquired: 3/15/2016 15:58:25 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0035	187.9	.0883	3.699	.0076	129.1	.0286	1.219	4.645
Stddev	.0003	.5	.0015	.013	.0001	.3	.0004	.0004	.0006
%RSD	8.325	.2553	1.723	.3612	1.419	.2535	1.237	.3093	1.399
#1	.0038	188.4	.0890	3.715	.0077	129.2	.0290	1.223	4.637
#2	.0032	187.6	.0866	3.691	.0077	129.4	.0286	1.218	4.650
#3	.0034	187.6	.0894	3.693	.0075	128.8	.0283	1.216	4.647
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.9030	289.0	67.09	74.71	5.054	.0287	5.686	3.569	4.890
Stddev	.0028	.3	.15	.60	.043	.0002	.034	.0008	.010
%RSD	.3067	.0935	.2291	.8023	.8606	.7436	.6020	2.231	.2009
#1	.9046	289.3	67.25	74.60	5.057	.0287	5.717	3.566	4.901
#2	.9045	289.1	67.07	75.35	5.095	.0289	5.649	3.563	4.887
#3	.8998	288.8	66.95	74.17	5.009	.0285	5.691	3.578	4.881
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0034	.0006	2.465	1.018	.9947	8.550	.0015	5.272	9.805
Stddev	.0022	.0034	.009	.0011	.0023	.026	.0021	.0017	.015
%RSD	65.86	581.6	.3514	1.066	.2352	.3062	137.5	3.226	1.567
#1	.0040	.0011	2.475	.1017	.9974	8.537	.0037	5.257	9.787
#2	.0052	-.0031	2.460	.1030	.9935	8.580	-.0003	5.291	9.811
#3	.0009	.0037	2.461	.1008	.9932	8.532	.0011	5.269	9.816
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2385.7	5820.7	4614.6	4816.9					
Stddev	6.7	13.5	174.	17.6					
%RSD	.28181	.23136	.37791	.36588					
#1	2378.1	5805.2	4617.5	4804.9					
#2	2390.9	5830.1	4595.9	4808.7					
#3	2388.1	5826.6	4630.4	4837.2					

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Sample Name: FA32120-6 Acquired: 3/15/2016 16:03:02 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0057	217.8	.0951	3.955	.0086	213.1	.0350	1.485	.5261
Stddev	.0006	.0	.0008	.010	.0000	.3	.0001	.0003	.0011
%RSD	10.46	.0212	.8604	.2543	.3691	.1624	.2643	.2008	.2096
#1	.0064	217.7	.0946	3.947	.0086	213.2	.0350	1.481	.5262
#2	.0056	217.8	.0947	3.966	.0086	213.4	.0349	1.486	.5249
#3	.0052	217.8	.0961	3.951	.0085	212.8	.0351	1.487	.5271
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.8174	337.7	81.57	98.93	6.471	.0241	8.843	3.992	3.873
Stddev	.0013	.4	.23	.19	.045	.0003	.018	.0005	.009
%RSD	.1628	.1233	.2782	.1905	.6944	1.417	.2072	.1206	.2372
#1	.8179	338.1	81.52	99.13	6.419	.0244	8.823	3.989	3.864
#2	.8159	337.3	81.82	98.76	6.502	.0242	8.857	3.990	3.873
#3	.8185	337.9	81.37	98.89	6.490	.0238	8.850	3.998	3.882
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)								

Sample Name: FA32120-7 Acquired: 3/15/2016 16:07:40 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0030	192.8	.0782	3.213	.0079	178.6	.0270	1.307	.4901
Stddev	.0003	.7	.0019	.009	.0001	.8	.0000	.0005	.0004
%RSD	11.48	.3485	2.458	.2823	1.701	.4419	.1688	.3519	.0799
#1	.0034	192.7	.0799	3.209	.0077	179.0	.0269	1.312	.4897
#2	.0029	192.2	.0787	3.206	.0079	177.7	.0269	1.305	.4902
#3	.0028	193.6	.0762	3.223	.0080	179.1	.0270	1.304	.4905
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.8015	303.3	77.97	77.40	5.678	.0276	4.295	3.956	2.590
Stddev	.0010	1.4	.34	.14	.030	.0006	.029	.0012	.009
%RSD	.1211	.4527	.4421	.1861	.5233	2.157	.6698	.3044	.3509
#1	.8008	303.9	77.98	77.40	5.643	.0282	4.295	3.970	2.583
#2	.8026	301.7	77.61	77.26	5.694	.0270	4.266	3.948	2.601
#3	.8011	304.3	78.30	77.55	5.695	.0275	4.323	3.951	2.587
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0027	-0.0036	3.425	0.755	1.133	9.937	0.049	5.493	7.291
Stddev	.0018	.0042	.008	.0015	.005	.072	.0024	.0008	.011
%RSD	64.15	117.7	.2369	1.967	.4072	.7298	49.12	1.526	.1536
#1	.0042	-.0048	3.431	.0764	1.132	9.861	.0033	5.487	7.300
#2	.0031	.0011	3.429	.0738	1.129	9.944	.0077	5.503	7.279
#3	.0008	-.0071	3.416	.0763	1.138	10.00	.0037	5.491	7.295
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2371.6	5847.4	4651.6	4796.0					
Stddev	8.1	8.5	182.	15.3					
%RSD	.34296	.14569	.39089	.31889					
#1	2376.6	5842.7	4668.6	4788.3					
#2	2362.2	5842.3	4632.4	4813.6					
#3	2375.9	5857.2	4653.9	4786.1					

Sample Name: FA32120-8 Acquired: 3/15/2016 16:12:17 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0099	250.3	.1214	6.976	.0093	197.2	.0575	1.692	.6792
Stddev	.0008	.6	.0015	.019	.0000	.6	.0002	.0004	.0028
%RSD	7.805	.2279	1.230	.2786	.3991	.3170	.3226	.2135	.4165
#1	.0093	249.9	.1227	6.956	.0093	197.4	.0576	1.694	.6789
#2	.0108	250.1	.1216	6.978	.0092	196.5	.0573	1.694	.6765
#3	.0096	250.9	.1198	6.995	.0092	197.6	.0575	1.688	.6822
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	1.692	386.8	76.25	94.39	6.981	.0374	3.613	6.699	F 14.89
Stddev	.003	.8	.23	.41	.028	.0007	.021	.0006	.03
%RSD	.1799	.1955	.2958	.4331	.3994	1.756	.5786	.0992	.1689
#1	1.690	387.2	76.01	94.39	7.007	.0367	3.589	6.663	14.86
#2	1.690	385.9	76.28	93.98	6.951	.0381	3.622	6.671	14.90
#3	1.695	387.2	76.46	94.80	6.985	.0374	3.627	6.674	14.90
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0157	-0.0023	3.792	2.374	1.288	F 11.80	.0059	6.699	F 16.77
Stddev	.0016	.0026	.005	.0005	.003	.06	.0029	.0031	.05
%RSD	10.23	110.9	.1272	.2267	.2044	4.903	49.52	4576	.2787
#1	.0140	-.0001	3.791	.2373	1.285	11.76	.0071	6.709	16.73
#2	.0158	-.0052	3.787	.2369	1.289	11.77	.0025	6.664	16.82
#3	.0172	-.0017	3.797	.2379	1.290	11.86	.0080	6.723	16.75
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2351.1	5981.6	4747.7	4906.1					
Stddev	2.0	6.8	138.	16.4					
%RSD	.08464	.11349	.29137	.33443					
#1	2353.3	5974.2	4732.2	4893.8					
#2	2350.7	5987.6	4758.9	4924.7					
#3	2349.4	5983.0	4752.0	4899.8					

7.1
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Sample Name: FA32120-9 Acquired: 3/15/2016 16:16:52 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0032	233.8	.1018	4.842	.0090	147.7	.0456	1.479	.5662
Stddev	.0002	1.1	.0018	.017	.0001	.4	.0002	.0003	.0018
%RSD	7.809	.4621	1.803	.3570	.8809	.2542	.5281	.2169	.3216
#1	.0035	234.6	.1037	4.859	.0089	148.1	.0456	1.481	.5641
#2	.0032	232.6	.1018	4.824	.0089	147.3	.0458	1.481	.5669
#3	.0030	234.1	.1000	4.842	.0090	147.6	.0453	1.475	.5675
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	1.094	365.0	77.31	88.12	6.731	.0327	4.495	4.548	F 8.873
Stddev	.005	1.6	.37	.40	.027	.0007	.026	.0011	.025
%RSD	.4590	.4251	.4844	.4547	.4055	2.139	.5876	.2420	.2824
#1	1.089	365.8	77.62	88.25	6.707	.0321	4.510	4.548	8.892
#2	1.099	363.2	76.89	87.67	6.760	.0326	4.465	4.558	8.845
#3	1.095	365.9	77.42	88.45	6.726	.0335	4.511	4.536	8.883
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0081	-.0011	3.561	1.554	1.168	F 10.82	.0050	6.310	F 10.97
Stddev	.0024	.0031	.004	.0007	.005	.02	.0020	.0015	.03
%RSD	29.40	290.4	.0993	.4578	.4632	.1767	40.81	2.334	.3160
#1	.0082	.0025	3.560	1.554	1.171	10.81	.0040	6.299	11.01
#2	.0057	-.0031	3.558	1.546	1.161	10.80	.0073	6.305	10.95
#3	.0105	-.0026	3.565	1.560	1.171	10.84	.0036	6.327	10.95
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2378.4	5955.0	4703.8	4825.6					
Stddev	8.8	9.2	145.	25.5					
%RSD	.36903	.15422	.30742	.52749					
#1	2380.7	5964.9	4719.7	4798.0					
#2	2385.8	5953.5	4691.4	4848.2					
#3	2368.7	5946.7	4700.4	4830.7					

Sample Name: FA32120-10 Acquired: 3/15/2016 16:21:29 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0033	201.4	.1054	3.970	.0077	141.8	.0570	1.319	.4890
Stddev	.0001	.2	.0018	.003	.0001	.3	.0002	.0001	.0005
%RSD	1.582	.0792	1.730	.0742	1.640	.1771	.2784	.0479	.0928
#1	.0034	201.3	.1058	3.972	.0076	141.6	.0569	1.319	.4894
#2	.0033	201.4	.1035	3.967	.0079	142.1	.0572	1.319	.4885
#3	.0034	201.6	.1071	3.971	.0077	141.7	.0570	1.318	.4891
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.9812	303.2	66.21	74.84	5.480	.0350	6.606	4.060	7.629
Stddev	.0003	.7	.14	.26	.012	.0002	.020	.0013	.005
%RSD	.0336	.2375	.2153	.3469	.2104	.4321	.2982	.3178	.0697
#1	.9811	302.4	66.05	74.62	5.488	.0351	6.626	4.046	7.632
#2	.9816	303.7	66.27	75.13	5.467	.0350	6.587	4.063	7.623
#3	.9809	303.5	66.32	74.77	5.486	.0348	6.607	4.071	7.631
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062

Sample Name: CCV Acquired: 3/15/2016 16:26:05 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2612	41.66	2.051	2.111	2.059	41.28	2.060	2.080	2.036
Stddev	.0011	.12	.012	.011	.010	.15	.005	.003	.012
%RSD	.4142	.2839	.5833	.5001	.4764	.3549	.2249	.1473	.5779
#1	.2612	41.75	2.065	2.116	2.061	41.38	2.064	2.081	2.048
#2	.2601	41.71	2.048	2.118	2.067	41.35	2.060	2.082	2.037
#3	.2622	41.53	2.041	2.099	2.048	41.11	2.055	2.076	2.024

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.095	39.81	42.44	40.64	2.050	2.066	41.68	2.096	2.019
Stddev	.003	.17	.07	.15	.014	.002	.14	.004	.005
%RSD	.1359	.4216	.1557	.3677	.6794	.1149	.3287	.2066	.2300
#1	2.097	39.82	42.46	40.71	2.066	2.069	41.76	2.096	2.023
#2	2.092	39.98	42.49	40.74	2.045	2.067	41.76	2.100	2.020
#3	2.096	39.64	42.36	40.47	2.040	2.064	41.53	2.091	2.014

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.078	2.083	2.173	2.078	2.114	2.058	2.040	2.070	2.046
Stddev	.006	.006	.007	.007	.010	.010	.008	.006	.005
%RSD	.2760	.2909	.3126	.3203	.4915	.4671	.4079	.3030	.2228
#1	2.084	2.088	2.178	2.079	2.118	2.069	2.049	2.077	2.048
#2	2.077	2.083	2.176	2.083	2.123	2.051	2.034	2.070	2.048
#3	2.073	2.076	2.165	2.070	2.103	2.053	2.036	2.065	2.040

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/15/2016 16:26:05 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2292.3	4960.9	39540.	4093.8
Stddev	1.5	2.5	200.	15.0
%RSD	.06395	.04975	.50495	.36617
#1	2293.9	4962.3	39312.	4076.9
#2	2291.8	4958.0	39683.	4099.1
#3	2291.1	4962.3	39625.	4105.5

7.1
7

Sample Name: CCB Acquired: 3/15/2016 16:30:17 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0132	.0003	.0002	.0002	.0084	.0001	.0001	.0001
Stddev	.0003	.0094	.0004	.0001	.0000	.0015	.0000	.0001	.0001
%RSD	380.0	71.43	131.5	76.00	21.45	17.62	39.89	81.02	101.2
#1	-.0001	.0031	.0000	.0001	.0001	.0068	.0001	.0001	.0000
#2	-.0001	.0217	.0002	.0003	.0002	.0088	.0001	.0002	.0002
#3	.0004	.0148	.0008	.0001	.0002	.0097	.0001	.0000	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0177	.0630	.0072	.0002	.0008	.0166	.0000	-.0006
Stddev	.0001	.0009	.0135	.0095	.0000	.0002	.0047	.000	.0006
%RSD	33.24	5.337	21.45	131.8	9.406	30.07	28.38	388.7	97.84
#1	.0003	.0183	.0761	.0005	.0002	.0011	.0217	.0000	-.0007
#2	.0004	.0182	.0491	.0181	.0002	.0007	.0158	-.0002	.0000
#3	.0002	.0166	.0638	.0030	.0002	.0006	.0124	.0000	-.0011

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-.0009	.0014	.0002	.0002	.0011	.0009	.0003	.0004
Stddev	.0009	.0016	.0003	.0001	.0001	.0000	.0002	.0002	.0001
%RSD	392.1	192.3	19.74	56.54	64.56	2.566	18.57	67.21	16.39
#1	-.0003	-.0020	.0012	.0002	.0001	.0010	.0010	.0004	.0004
#2	.0013	.0010	.0018	.0003	.0002	.0011	.0010	.0003	.0004
#3	-.0002	-.0016	.0014	.0001	.0003	.0011	.0007	.0001	.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/15/2016 16:30:17 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2647.9	5284.5	41810.	4181.7
Stddev	5.2	6.0	171.	21.2
%RSD	.19786	.11403	.40872	.50593
#1	2648.8	5290.6	42004.	4194.2
#2	2642.3	5278.5	41745.	4157.3
#3	2652.7	5284.3	41682.	4193.6

Sample Name: FA32120-11 Acquired: 3/15/2016 16:34:51 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.2707	261.9	.0975	4.897	.0113	107.1	.0225	.1737	.5932
Stddev	.0007	.3	.0017	.009	.0002	.2	.0002	.0002	.0018
%RSD	.2702	.1140	1.778	.1839	1.527	.2209	.8341	.0868	.3013
#1	.2709	261.6	.0978	4.888	.0112	107.1	.0224	.1735	.5934
#2	.2713	262.2	.0991	4.906	.0112	107.4	.0225	.1738	.5949
#3	.2699	261.9	.0957	4.897	.0115	106.9	.0228	.1738	.5914
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.8133	409.7	106.4	99.13	6.037	.0393	7.159	.4521	3.171
Stddev	.0023	.4	.4	.08	.028	.0007	.035	.0013	.011
%RSD	.2839	.0972	.3867	.0766	.4649	1.704	.4834	.2820	.3560
#1	.8157	410.0	106.0	99.22	6.022	.0397	7.199	.4527	3.169
#2	.8133	409.9	106.8	99.11	6.069	.0397	7.145	.4529	3.160
#3	.8111	409.3	106.5	99.07	6.019	.0385	7.134	.4506	3.182
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0031	-.0023	3.416	.0738	.9719	F 11.79	.0032	.7468	5.564
Stddev	.0002	.0029	.006	.0002	.0014	.04	.0027	.0027	.006
%RSD	5.281	123.4	.1900	.3063	.1412	.3299	83.37	35.62	1.019
#1	.0033	-.0020	3.417	.0739	.9709	11.75	.0062	.7494	5.559
#2	.0030	.0004	3.422	.0740	.9735	11.82	.0022	.7441	5.563
#3	.0031	-.0053	3.409	.0735	.9714	11.81	.0012	.7470	5.570
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2349.1	6217.5	4969.4	5121.5					
Stddev	3.2	4.3	138.	1.6					
%RSD	.13762	.06956	.27826	.03137					
#1	2351.8	6214.4	49534.	5121.1					
#2	2350.0	6215.6	49770.	5123.3					
#3	2345.5	6222.4	49777.	5120.2					

Sample Name: FA32120-12 Acquired: 3/15/2016 16:39:25 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0235	228.5	.0908	3.892	.0100	110.8	.0284	.1624	.4900
Stddev	.0003	.2	.0014	.003	.0001	.8	.0002	.0006	.0036
%RSD	1.268	.1077	1.568	.0839	.7072	.6838	.7827	.3919	.7288
#1	.0231	228.6	.0908	3.896	.0099	111.1	.0281	.1617	.4869
#2	.0235	228.2	.0894	3.890	.0100	110.0	.0285	.1626	.4892
#3	.0237	228.7	.0922	3.891	.0101	111.4	.0286	.1629	.4939
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.8755	453.3	98.25	92.38	6.465	.0357	5.891	.4344	3.503
Stddev	.0015	1.4	.37	.57	.049	.0000	.024	.0016	.017
%RSD	.1716	.3015	.3794	.6221	.7616	.0591	.4018	.3619	.4896
#1	.8762	453.7	98.47	92.71	6.492	.0357	5.916	.4327	3.483
#2	.8765	451.8	97.82	91.71	6.409	.0357	5.888	.4358	3.514
#3	.8738	454.5	98.45	92.71	6.496	.0357	5.868	.4346	3.512
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0058	-.0025	3.711	.1575	.8793	F 10.36	.0065	.6500	6.756
Stddev	.0016	.0031	.018	.0001	.0012	.07	.0021	.0031	.025
%RSD	28.25	122.9	.4749	.0377	.1379	.6420	32.26	4.761	.3780
#1	.0053	-.0042	3.692	.1575	.8796	10.40	.0042	.6493	6.727
#2	.0044	-.0045	3.712	.1574	.8804	10.28	.0069	.6473	6.777
#3	.0076	.0011	3.727	.1575	.8780	10.39	.0083	.6533	6.763
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2341.8	5984.2	4768.4	4932.8					
Stddev	8.0	20.0	172.	33.6					
%RSD	.34135	.33473	.36152	.68016					
#1	2350.7	6004.8	47586.	4910.3					
#2	2339.3	5982.9	47883.	4971.3					
#3	2335.3	5964.8	47582.	4916.7					

Sample Name: FA32120-13 Acquired: 3/15/2016 16:44:00 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0257	194.4	.1078	3.513	.0084	91.31	.0243	.1413	.4024
Stddev	.0005	.6	.0012	.011	.0001	.14	.0001	.0001	.0008
%RSD	1.924	.3034	1.109	.3142	.7092	.1546	.6002	.0787	.2038
#1	.0252	195.1	.1081	3.523	.0084	91.48	.0243	.1412	.4015
#2	.0256	194.2	.1065	3.515	.0083	91.24	.0242	.1414	.4024
#3	.0262	194.0	.1089	3.501	.0084	91.22	.0244	.1414	.4032
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.9426	347.2	73.17	76.59	6.311	.0303	6.268	3.605	2.546
Stddev	.0023	1.1	.31	.06	.016	.0002	.032	.0011	.003
%RSD	.2454	.3127	.4206	.0833	.2495	.5704	.5020	.2948	.1302
#1	.9429	348.5	73.52	76.65	6.294	.0305	6.300	.3617	2.546
#2	.9448	346.7	72.97	76.52	6.325	.0302	6.267	.3598	2.542
#3	.9402	346.5	73.02	76.59	6.314	.0302	6.238	.3599	2.549
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0054	-.0039	2.832	.1106	.8030	F 9.185	.0076	.5696	6.081
Stddev	.0043	.0029	.002	.0006	.0018	.033	.0015	.0009	.009
%RSD	79.45	75.85	.0728	.5548	.2221	.3615	20.06	.1633	.1422
#1	.0102	-.0065	2.834	.1108	.8046	9.183	.0059	.5696	6.074
#2	.0021	-.0044	2.832	.1100	.8011	9.152	.0083	.5687	6.079
#3	.0039	-.0007	2.830	.1112	.8032	9.219	.0087	.5706	6.091
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2404.4	5950.8	47185.	4881.3					
Stddev	4.0	6.0	42.	27.2					
%RSD	.16577	.10143	.08874	.55753					
#1	2404.4	5947.2	47227.	4851.9					
#2	2408.5	5957.8	47185.	4886.5					
#3	2400.5	5947.5	47144.	4905.5					

Sample Name: FA32120-14 Acquired: 3/15/2016 16:48:35 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0066	205.2	.0745	3.708	.0086	71.40	.0170	.1300	.4265
Stddev	.0003	.5	.0012	.015	.0001	.16	.0000	.0008	.0013
%RSD	5.221	.2453	1.604	.4068	.7659	.2255	.2576	.6020	.3133
#1	.0062	205.6	.0738	3.725	.0086	71.24	.0170	.1305	.4253
#2	.0066	205.4	.0759	3.702	.0087	71.57	.0170	.1305	.4262
#3	.0069	204.6	.0738	3.697	.0085	71.40	.0171	.1291	.4279
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.508	331.8	74.18	71.75	3.675	.0355	5.326	3.389	2.604
Stddev	.002	.9	.22	.04	.016	.0002	.025	.0011	.003
%RSD	.1414	.2795	.2978	.0564	.43				

Sample Name: FA32120-15 Acquired: 3/15/2016 16:53:12 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0159	221.8	.1231	7.109	.0091	194.2	.0693	1.554	.6383
Stddev	.0004	.7	.0039	.029	.0001	.4	.0002	.0003	.0005
%RSD	2.762	.3140	3.172	.4025	.7128	.2115	.2927	.1680	.0768
#1	.0164	221.8	.1235	7.136	.0090	194.0	.0695	1.551	.6386
#2	.0159	222.5	.1268	7.113	.0091	194.7	.0691	1.554	.6377
#3	.0155	221.1	.1190	7.079	.0090	193.9	.0694	1.556	.6385
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.369	373.1	82.31	88.00	6.176	0.363	8.053	4.694	F 8.166
Stddev	.002	1.1	.31	.48	.042	.0001	.029	.0003	.017
%RSD	.1514	.2840	.3785	.5413	.6821	.1861	.3589	.0700	.2090
#1	1.368	372.2	82.63	87.49	6.223	0.363	8.049	4.697	8.147
#2	1.372	374.3	82.29	88.44	6.164	0.363	8.084	4.694	8.171
#3	1.368	372.8	82.01	88.05	6.141	0.364	8.027	4.690	8.180
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0115	.0025	3.922	1.505	1.453	F 10.35	.0074	6.406	F 15.98
Stddev	.0023	.0024	.002	.0004	.006	.04	.0026	.0019	.02
%RSD	20.18	93.48	.0501	.2894	.3867	.3423	34.87	3.005	1.135
#1	.0140	.0035	3.924	1.507	1.456	10.36	.0097	6.389	15.96
#2	.0112	-.0002	3.923	1.508	1.456	10.38	.0046	6.401	15.98
#3	.0093	.0042	3.920	1.500	1.447	10.31	.0077	6.427	16.00
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2353.7	5935.7	4707.9	4852.0					
Stddev	1.9	9.5	121.	21.0					
%RSD	.07954	.16012	.25601	.43223					
#1	2354.5	5927.1	47147.	4869.8					
#2	2351.6	5934.2	46939.	4828.9					
#3	2355.1	5945.9	47150.	4857.3					

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Sample Name: FA32120-17 Acquired: 3/15/2016 16:57:47 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0025	257.1	.2054	3.940	.0103	148.5	.0302	.2011	.6105
Stddev	.0003	.2	.0026	.006	.0000	.1	.0002	.0005	.0022
%RSD	10.98	.0732	1.244	.1625	.0887	.0514	.8131	.2378	.3579
#1	.0023	256.9	.2083	3.948	.0103	148.4	.0300	.2005	.6108
#2	.0025	257.3	.2036	3.936	.0103	148.6	.0302	.2014	.6081
#3	.0029	257.1	.2042	3.937	.0103	148.5	.0305	.2013	.6124
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.452	611.5	97.10	105.6	F 8.058	.0495	6.208	6.121	2.586
Stddev	.004	.5	.16	.4	.037	.0004	.027	.0020	.011
%RSD	.3038	.0842	.1664	.3374	.4544	.7472	.4278	.3188	.4209
#1	1.449	610.9	96.91	105.2	8.084	.0494	6.186	6.100	2.596
#2	1.450	611.6	97.18	105.7	8.016	.0498	6.199	6.138	2.574
#3	1.457	611.9	97.19	105.9	8.074	.0491	6.237	6.126	2.587
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0097	-.0105	3.878	1.595	1.232	F 13.88	.0110	7.368	4.435
Stddev	.0038	.0045	.012	.0008	.000	.03	.0038	.0031	.011
%RSD	38.99	42.68	.3143	.5066	.0098	.2236	34.27	4.251	2.469
#1	.0061	-.0097	3.864	1.596	1.232	13.91	.0102	7.371	4.445
#2	.0136	-.0065	3.885	1.603	1.232	13.86	.0150	7.336	4.423
#3	.0093	-.0154	3.886	1.587	1.232	13.86	.0077	7.398	4.436
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2370.4	5994.4	48156.	5012.5					
Stddev	4.0	11.8	142.	20.9					
%RSD	.16954	.19658	.29513	.41642					
#1	2367.8	6007.7	48146.	5018.2					
#2	2375.0	5990.4	48303.	4989.4					
#3	2368.3	5985.2	48019.	5029.9					

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7.1
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Sample Name: CRIA Acquired: 3/15/2016 17:02:21 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0087	2270	.0091	2.073	.0050	1.036	.0531	.0103	.0103
Stddev	.0003	.0024	.0007	.0012	.0001	.007	.0001	.0002	.0003
%RSD	3.935	1.043	7.530	.5608	2.716	.6342	1.923	.3551	3.369
#1	.0084	2253	.0097	2.061	.0050	1.031	.0053	.0531	.0099
#2	.0091	2259	.0083	2.074	.0049	1.035	.0051	.0530	.0104
#3	.0087	2297	.0092	2.084	.0052	1.043	.0053	.0533	.0106
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0268	3549	10.49	5.022	0.162	0.492	10.37	0.432	0.045
Stddev	.0004	.0021	.06	.051	.0000	.0000	.05	.0002	.0005
%RSD	1.424	.5822	.5845	1.015	.2129	.0888	4.595	4.397	11.82
#1	.0272	3573	10.44	4.966	0.162	0.492	10.33	0.430	0.043
#2	.0267	3534	10.56	5.034	0.162	0.492	10.36	0.434	0.052
#3	.0264	3540	10.48	5.065	0.161	0.493	10.43	0.433	0.042
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0050	.0088	.0514	.0527	.0103	.0121	.0091	.0483	.0224
Stddev	.0011	.0015	.0008	.0004	.0001	.0001	.0005	.0000	.0001
%RSD	22.76	16.54	1.558	.7780	.8087	.7925	5.400	.0260	.5597
#1	.0063	.0104	.0519	.0528	.0102	.0122	.0095	.0483	.0225
#2	.0047	.0075	.0519	.0522	.0102	.0121	.0085	.0483	.0224
#3	.0041	.0084	.0505	.0530	.0103	.0120	.0092	.0483	.0223
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2583.6	5208.1	41399.	4226.0					
Stddev	6.1	8.4	168.	28.2					
%RSD	.23784	.16054	.40661	.66641					
#1	2590.6	5216.0	41462.	4254.1					
#2	2579.3	5208.9	41208.	4226.1					
#3	2580.8	5199.3	41526.	4197.8					

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Sample Name: ICESA Acquired: 3/15/2016 17:06:46 Type: Unk
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-.0007	F 517.8	.0001	.0000	-.0001	484.2	-.0001	-.0000
Stddev	.0005	5.7	.0006	.0002	.0000	5.1	.0001	.000
%RSD	67.50	1.098	950.1	864.2	40.10	1.051	95.70	99.42
#1	-.0013	523.0	.0004	.0001	-.0001	488.4	-.0001	-.0001
#2	-.0004	518.8	-.0006	.0002	-.0001	485.7	.0000	-.0001
#3	-.0005	511.7	.0004	-.0002	-.0001	478.6	-.0002	.0000
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.0000	.0021	188.4	3.254	F 522.1	-.0008	-.0003	-.1784
Stddev	.0001	.0002	1.3	.0636	3.8	.0000	.0004	.0040
%RSD	250.4	10.72	.6930	19.56	.7203	3.222	142.8	2.240
#1	-.0001	.0018	189.4	2.558	525.0	-.0008	-.0006	.1830
#2	.0001	.0022	188.9	3.399	523.4	-.0008	.0001	.1755
#3	.0001	.0021	186.9	3.806	517.9	-.0007	-.0002	.1767
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.0006	F -.0060	.0004	-.0007	.0449	.0024	.0002	.

Sample Name: ICSA Acquired: 3/15/2016 17:06:46 Type: Unk
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2072.5	4643.9	36427.	3887.9
Stddev	9.7	32.5	371.	28.1
%RSD	.46756	.70060	1.0190	.72345
#1	2077.1	4659.1	36016.	3862.0
#2	2061.4	4606.6	36526.	3883.9
#3	2079.0	4666.1	36739.	3917.8

Sample Name: ICSAB Acquired: 3/15/2016 17:11:25 Type: Unk
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F 1.084	F 520.7	1.107	.5512	.5243	487.1	.9831	4.952	.5129
Stddev	.002	2.7	.004	.0022	.0015	3.6	.0010	.0002	.0005
%RSD	.1787	.5214	.4015	.3912	.2792	.7348	.1006	.0362	.1026
#1	1.082	519.0	1.111	.5489	.5235	483.9	.9842	4.954	.5125
#2	1.085	523.8	1.107	.5515	.5233	486.4	.9828	4.951	.5135
#3	1.086	519.2	1.102	.5532	.5259	490.9	.9823	4.952	.5127
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5772	185.8	.1817	F 518.8	.5113	.9704	.1654	.9866	.9783
Stddev	.0028	.8	.0058	3.4	.0014	.0003	.0037	.0006	.0023
%RSD	.4823	.4165	3.207	.6480	.2788	.0299	2.208	.0637	.2383
#1	.5800	184.9	.1876	515.1	.5122	.9706	.1619	.9989	.9761
#2	.5744	186.4	.1760	521.6	.5097	.9705	.1651	.9990	.9807
#3	.5771	186.1	.1813	519.8	.5121	.9701	.1692	.9979	.9780
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.068	1.066	.0817	.9652	1.064	1.008	.9666	4.805	.9758
Stddev	.004	.006	.0005	.0010	.005	.003	.0026	.0021	.0018
%RSD	.3541	.5419	.5781	.0986	.4433	.2699	.2659	4.470	.1826
#1	1.070	1.072	.0817	.9641	1.059	1.011	.9645	4.788	.9774
#2	1.070	1.060	.0822	.9658	1.065	1.005	.9694	4.797	.9761
#3	1.063	1.065	.0813	.9658	1.068	1.009	.9658	4.829	.9739
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2042.7	4636.8	36373.	3852.0					
Stddev	4.9	9.9	47.	23.6					
%RSD	.24188	.21355	.13037	.61382					
#1	2045.2	4635.7	36319.	3872.9					
#2	2045.9	4647.2	36397.	3826.3					
#3	2037.0	4627.5	36404.	3856.8					

7.1
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Sample Name: CCV Acquired: 3/15/2016 17:15:56 Type: QC
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2574	40.93	2.019	2.081	2.012	40.56	2.025	2.044	2.008
Stddev	.0012	.14	.001	.013	.003	.15	.002	.002	.011
%RSD	.4589	.3347	.0571	.6401	.1598	.3752	.0994	.0980	.5511
#1	.2561	41.05	2.019	2.091	2.013	40.71	2.026	2.044	2.002
#2	.2579	40.78	2.020	2.066	2.009	40.41	2.027	2.042	2.001
#3	.2582	40.97	2.018	2.087	2.015	40.57	2.023	2.046	2.020

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.057	38.97	41.97	39.64	2.021	2.032	41.16	2.063	1.977
Stddev	.005	.11	.08	.11	.011	.002	.10	.003	.007
%RSD	.2680	.2834	.1830	.2717	.5638	.0767	.2518	.1469	.3488
#1	2.055	38.97	42.04	39.58	2.020	2.033	41.22	2.064	1.977
#2	2.053	38.86	41.89	39.77	2.010	2.031	41.04	2.060	1.984
#3	2.063	39.08	41.97	39.59	2.033	2.034	41.22	2.066	1.971

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.049	2.060	2.140	2.043	2.078	2.021	2.008	2.036	2.017
Stddev	.006	.005	.004	.001	.010	.007	.001	.010	.004
%RSD	.2823	.2304	.1964	.0579	.4835	.3288	.0625	.4801	.1822
#1	2.053	2.054	2.138	2.042	2.086	2.020	2.009	2.033	2.018
#2	2.042	2.062	2.137	2.042	2.067	2.014	2.007	2.028	2.020
#3	2.051	2.062	2.145	2.044	2.082	2.028	2.008	2.047	2.013

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Sample Name: CCV Acquired: 3/15/2016 17:15:56 Type: QC
Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2321.9	5022.4	39962.	4099.1
Stddev	3.2	13.4	114.	11.0
%RSD	.13651	.26616	.28529	.26874
#1	2325.5	5028.5	40026.	4086.5
#2	2320.1	5031.7	40031.	4106.6
#3	2320.0	5007.1	39831.	4104.3

Sample Name: CCB Acquired: 3/15/2016 17:20:08 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0095	.0005	.0000	.0001	.0123	.0001	.0000	.0001
Stddev	.0000	.0056	.0008	.0003	.0000	.0028	.0001	.0000	.0003
%RSD	452.9	59.02	161.3	1510.	44.42	22.83	89.21	11.38	283.9
#1	.0001	.0132	.0014	-.0004	.0001	.0104	.0001	.0000	.0002
#2	.0000	.0030	.0001	.0002	.0001	.0110	.0001	.0000	-.0002
#3	.0000	.0122	.0000	.0002	.0001	.0155	.0000	.0000	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0145	.0907	-.0062	.0001	.0009	.0147	.0000	-.0004
Stddev	.0002	.0034	.0251	.0081	.0000	.0002	.0106	.0001	.0004
%RSD	63.21	23.37	27.73	132.1	74.93	24.86	72.30	269.5	116.0
#1	.0001	.0170	.0643	.0021	.0001	.0011	.0269	.0001	.0001
#2	.0005	.0107	.1144	-.0141	.0000	.0007	.0077	.0000	-.0008
#3	.0003	.0160	.0933	-.0064	.0001	.0008	.0094	.0000	-.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0010	.0010	.0003	.0001	.0006	-.0002	.0001	.0002
Stddev	.0008	.0025	.0003	.0003	.0000	.0001	.0009	.0001	.0001
%RSD	121.7	246.9	34.38	128.4	53.64	13.03	556.3	145.9	30.52
#1	.0004	.0029	.0013	-.0001	.0000	.0007	.0008	.0002	.0002
#2	.0000	.0020	.0011	.0006	.0001	.0006	-.0010	.0001	.0003
#3	.0015	-.0019	.0006	.0004	.0001	.0007	-.0002	-.0001	.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/15/2016 17:20:08 Type: QC
 Method: 60102007_042011(v4) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2626.3	5238.5	41335.	4159.1
Stddev	1.8	16.1	554.	26.8
%RSD	.07039	.30808	1.3413	.64389
#1	2627.0	5238.4	41777.	4132.8
#2	2624.2	5222.4	41514.	4186.3
#3	2627.6	5254.6	40713.	4158.2

7.1
7

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000011	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000069	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000005	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000085	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000000	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000018	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000121	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000005	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000052	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000083	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000035	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	0.000019	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000035	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	-0.000019	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	-0.000002	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	3/15/2016 10:47:05	3/15/2016 10:09:59	Linear	1/Conc	-0.000296	0.578035	0.000000	1.000000
Al 396.152 { 85}	3/15/2016 10:47:05	3/15/2016 10:09:59	Linear	1/Conc	0.000512	0.222504	0.000000	1.000000
As 189.042 {478}	3/15/2016 10:47:05	3/15/2016 10:09:59	Linear	1/Conc	-0.000588	0.166046	0.000000	1.000000
Ba 455.403 { 74}	3/15/2016 10:47:05	3/15/2016 10:09:59	Linear	1/Conc	0.002172	9.581705	0.000000	1.000000
Be 313.042 {108}	3/15/2016 10:47:05	3/15/2016 10:09:59	Linear	1/Conc	0.001411	10.286360	0.000000	1.000000
Ca 317.933 {106}	3/15/2016 10:47:05	3/15/2016 10:09:59	Linear	1/Conc	0.005464	0.256831	0.000000	1.000000
Cd 226.502 {449}	3/15/2016 10:47:05	3/15/2016 10:09:59	Linear	1/Conc	-0.001161	4.438386	0.000000	1.000000
Co 228.616 {447}	3/15/2016 10:47:05	3/15/2016 10:09:59	Linear	1/Conc	-0.000587	2.505818	0.000000	1.000000
Cr 267.716 {126}	3/15/2016 10:47:05	3/15/2016 10:09:59	Linear	1/Conc	-0.000249	0.527011	0.000000	1.000000
Cu 324.754 {104}	3/15/2016 10:47:05	3/15/2016 10:09:59	Linear	1/Conc	0.005422	0.895106	0.000000	1.000000
Fe 259.940 {130}	3/15/2016 10:47:05	3/15/2016 10:09:59	Linear	1/Conc	0.001329	0.161543	0.000000	1.000000
In 230.606 {446}*	3/15/2016 10:47:05	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	3/15/2016 10:47:05	3/15/2016 10:09:59	Linear	1/Conc	-0.008350	0.099032	0.000000	1.000000
Mg 279.079 {121}	3/15/2016 10:47:05	3/15/2016 10:09:59	Linear	1/Conc	-0.000308	0.026027	0.000000	1.000000
Mn 257.610 {131}	3/15/2016 10:47:05	3/15/2016 10:09:59	Linear	1/Conc	0.000755	2.737238	0.000000	1.000000
Mo 202.030 {467}	3/15/2016 10:47:05	3/15/2016 10:09:59	Linear	1/Conc	0.001219	1.093152	0.000000	1.000000
Na 589.592 { 57}	3/15/2016 10:47:05	3/15/2016 10:09:59	Linear	1/Conc	-0.012146	0.384561	0.000000	1.000000
Ni 231.604 {445}	3/15/2016 10:47:05	3/15/2016 10:09:59	Linear	1/Conc	0.000820	1.329202	0.000000	1.000000
Pb 220.353 {453}	3/15/2016 10:47:05	3/15/2016 10:09:59	Linear	1/Conc	0.000729	0.799142	0.000000	1.000000
Sb 206.833 {463}	3/15/2016 10:47:05	3/15/2016 10:09:59	Linear	1/Conc	0.000588	0.234921	0.000000	1.000000
Se 196.090 {472}	3/15/2016 10:47:05	3/15/2016 10:09:59	Linear	1/Conc	-0.000130	0.119814	0.000000	1.000000
Si 212.412 {459}	3/15/2016 10:47:05	3/15/2016 10:09:59	Linear	1/Conc	0.006070	0.320963	0.000000	1.000000
Sn 189.989 {477}	3/15/2016 10:47:05	3/15/2016 10:09:59	Linear	1/Conc	0.000356	0.386653	0.000000	1.000000
Sr 407.771 { 83}	3/15/2016 10:47:05	3/15/2016 10:09:59	Linear	1/Conc	0.002133	17.189690	0.000000	1.000000
Ti 334.941 {101}	3/15/2016 10:47:05	3/15/2016 10:09:59	Linear	1/Conc	0.001356	1.941351	0.000000	1.000000
Tl 190.856 {477}	3/15/2016 10:47:05	3/15/2016 10:09:59	Linear	1/Conc	-0.001640	0.276300	0.000000	1.000000
V 292.402 {115}	3/15/2016 10:47:05	3/15/2016 10:09:59	Linear	1/Conc	-0.000555	0.698420	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	3/15/2016 10:47:05	3/15/2016 10:09:59	Linear	1/Conc	0.000528	2.263427	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999996	0.000016	0.000372	0.001241	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999887	0.005399	0.007824	0.026079	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999890	0.000198	0.000857	0.002858	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999958	0.007035	0.000229	0.000765	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999986	0.004308	0.000070	0.000232	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999823	0.007780	0.003190	0.010635	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999998	0.000774	0.000050	0.000168	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999999	0.000283	0.000099	0.000330	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999994	0.000151	0.000253	0.000842	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999960	0.000642	0.000223	0.000743	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999469	0.008480	0.002599	0.008663	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999909	0.002149	0.030331	0.101103	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999865	0.000689	0.020729	0.069097	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999926	0.002678	0.000043	0.000142	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999967	0.000714	0.000132	0.000441	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999904	0.008572	0.008158	0.027194	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999993	0.000400	0.000191	0.000637	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999826	0.001204	0.000638	0.002127	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999927	0.000229	0.000976	0.003254	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999926	0.000117	0.001730	0.005767	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.999139	0.001073	0.000506	0.001687	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999999	0.000050	0.000313	0.001042	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999981	0.008485	0.000081	0.000271	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999997	0.000396	0.000105	0.000350	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999957	0.000207	0.001083	0.003610	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999983	0.000323	0.000245	0.000818	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999991	0.000767	0.000074	0.000246	OK	1.000000	0.000000	1	0

Sample Name: Blank Acquired: 4/21/2016 9:40:24 Type: Cal
Method: 60102007_042011(v72) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.001	0.031	-0.005	0.074	0.053	0.078	-0.004	0.001	0.000
Stddev	.0001	.0017	.0002	.0014	.0021	.0005	.0003	.0007	.0001
%RSD	188.5	53.30	31.92	18.72	38.81	7.052	84.42	777.6	380.5
#1	.0000	.0042	-.0004	.0061	.0046	.0081	.0000	.0008	.0001
#2	-.0000	.0012	-.0007	.0089	.0038	.0072	-.0005	.0000	.0000
#3	-.0002	.0039	-.0005	.0072	.0077	.0081	-.0006	-.0005	.0000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.066	0.036	-0.015	-0.007	0.020	0.022	-0.010	0.002	0.005
Stddev	.0002	.0007	.0026	.0001	.0002	.0004	.0016	.0001	.0005
%RSD	2.598	19.76	22.32	18.36	12.07	16.63	15.39	26.69	113.2
#1	.0066	.0042	-.0089	-.0006	.0022	.0026	-.0111	.0002	.0011
#2	.0068	.0028	-.0140	-.0008	.0020	.0021	-.0083	.0002	.0001
#3	.0064	.0038	-.0116	-.0006	.0017	.0019	-.0110	.0003	.0002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.007	-0.002	0.0035	0.005	0.0084	0.042	-0.014	-0.003	0.013
Stddev	.0001	.0001	.0001	.0001	.0009	.0004	.0003	.0002	.0002
%RSD	9.364	60.86	1.975	12.97	10.41	10.17	19.09	66.63	14.36
#1	.0007	-.0003	.0034	.0006	.0076	.0045	-.0017	-.0001	.0015
#2	.0008	-.0001	.0034	.0006	.0083	.0045	-.0013	-.0004	.0011
#3	.0007	-.0003	.0035	.0005	.0094	.0037	-.0012	-.0004	.0012
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	3026.9	5821.3	4510.2	3444.8					
Stddev	12.9	6.5	60.	15.2					
%RSD	.42582	.11237	.13272	.44043					
#1	3015.3	5813.8	45171.	3438.5					
#2	3024.6	5824.0	45060.	3462.0					
#3	3040.8	5826.0	45076.	3433.7					

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Sample Name: LowStd Acquired: 4/21/2016 9:44:34 Type: Cal
Method: 60102007_042011(v72) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.033	2.086	0.743	3.782	5.294	2.301	2.214	1.186	2.590
Stddev	.0007	.013	.0001	.016	.011	.007	.001	.001	.0006
%RSD	2.191	.6083	.1252	.4238	.2152	.3094	.0592	.0985	.2158
#1	.0342	2.094	.0742	3.798	5.307	2.302	2.215	1.187	.2590
#2	.0329	2.092	.0744	3.782	5.287	2.293	2.213	1.185	.2585
#3	.0329	2.071	.0743	3.766	5.287	2.307	2.214	1.187	.2596
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.072	1.634	8.882	2.457	1.384	4.715	3.843	7.239	3.793
Stddev	.0012	.005	.0020	.0008	.003	.0004	.017	.0005	.0010
%RSD	.2968	.3144	.2207	.3193	.2423	.0753	.4315	.0758	.2752
#1	4.072	1.639	8.871	2.457	1.380	4.719	3.859	7.244	3.800
#2	4.085	1.629	8.904	2.465	1.385	4.712	3.845	7.234	3.798
#3	4.061	1.633	8.870	2.449	1.386	4.715	3.826	7.238	3.781
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.036	0.519	1.714	1.791	7.470	9.773	1.209	3.381	1.119
Stddev	.0004	.0001	.0004	.0001	.028	.0008	.0002	.0008	.001
%RSD	.3793	.2051	.2049	.0360	.3695	.0769	.1340	.2258	.0867
#1	1.041	.0520	1.716	1.791	7.484	9.764	1.209	3.379	1.118
#2	1.033	.0518	1.710	1.792	7.488	9.775	1.211	3.374	1.119
#3	1.035	.0518	1.717	1.791	7.438	9.779	1.208	3.389	1.119
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2859.5	5805.9	4442.2	3420.6					
Stddev	5.0	7.6	87.	.9					
%RSD	.17659	.13016	.19637	.02728					
#1	2860.5	5797.8	44519.	3420.5					
#2	2854.0	5812.7	44398.	3421.5					
#3	2864.0	5807.1	44349.	3419.6					

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7.2
7

Sample Name: MidStd Acquired: 4/21/2016 9:49:03 Type: Cal
Method: 60102007_042011(v72) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.340	9.046	3.191	15.97	22.13	9.869	9.157	4.879	1.066
Stddev	.0007	.026	.0011	.06	.08	.060	.017	.011	.003
%RSD	.5201	.2833	.3529	.3497	.3701	.6090	.1873	.2289	.2448
#1	1.1332	9.017	3.202	15.90	22.04	9.801	9.170	4.890	1.063
#2	1.1346	9.065	3.180	16.00	22.20	9.912	9.137	4.867	1.068
#3	1.1341	9.055	3.193	16.00	22.16	9.895	9.163	4.880	1.067
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.675	6.211	3.970	1.071	5.678	1.880	16.96	2.967	1.620
Stddev	.005	.025	.025	.007	.014	.005	.05	.009	.003
%RSD	.2768	.4043	.6231	.6389	.2483	.2539	.2916	.3143	.1877
#1	1.672	6.185	3.942	1.064	5.662	1.885	16.92	2.973	1.624
#2	1.680	6.235	3.989	1.077	5.681	1.876	17.02	2.956	1.619
#3	1.673	6.215	3.979	1.073	5.689	1.879	16.94	2.971	1.618
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.384	2.203	5.788	7.055	30.17	3.930	5.089	1.359	4.614
Stddev	.0012	.0009	.0018	.0014	.10	.009	.0012	.005	.013
%RSD	.2650	.3866	.3057	.2052	.3184	.2419	.2312	.3818	.2748
#1	4.398	2.213	5.807	7.068	30.08	3.919	5.103	1.353	4.616
#2	4.376	2.199	5.772	7.039	30.27	3.937	5.081	1.363	4.601
#3	4.380	2.197	5.784	7.057	30.17	3.934	5.084	1.361	4.626
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2579.5	5518.7	42365.	3323.0					
Stddev	5.3	18.2	125.	20.3					
%RSD	.20550	.32988	.29513	.61222					
#1	2573.7	5499.5	42496.	3330.4					
#2	2580.8	5535.7	42247.	3300.0					
#3	2584.1	5520.8	42352.	3338.6					

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Sample Name: HighStd Acquired: 4/21/2016 9:52:40 Type: Cal
Method: 60102007_042011(v72) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.685	17.86	6.492	31.91	43.86	19.34	18.20	9.687	2.097
Stddev	.0004	.06	.0015	.10	.18	.09	.02	.004	.003
%RSD	.1352	.3308	.2242	.3287	.4092	.4849	.1022	.0418	.1618
#1	2.681	17.82	6.496	31.80	43.69	19.34	18.20	9.688	2.101
#2	2.687	17.93	6.503	32.01	44.05	19.44	18.22	9.690	2.094
#3	2.686	17.83	6.475	31.91	43.85	19.25	18.18	9.682	2.097
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.305	12.45	7.930	2.104	10.99	3.776	33.94	5.910	3.306
Stddev	.004	.05	.029	.015	.02	.001	.18	.012	.011
%RSD	.1230	.4131	.3633	.6993	.1774	.0328	.5289	.2018	.3407
#1	3.303	12.44	7.910	2.109	10.99	3.778	33.78	5.909	3.319
#2	3.302	12.50	7.963	2.115	10.97	3.776	34.14	5.923	3.302
#3	3.310	12.40	7.917	2.087	11.01	3.776	33.90	5.899	3.298
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077				

Sample Name: HSTD Acquired: 4/21/2016 9:56:37 Type: QC
 Method: 60102007_042011(v72) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.955	79.05	3.962	3.947	3.940	78.94	3.929	3.933	3.936
Stddev	.0015	.34	.012	.013	.006	.13	.005	.005	.005
%RSD	.2939	.4320	.2978	.3287	.1414	.1644	.1215	.1175	.1376
#1	.4971	78.68	3.974	3.933	3.933	78.83	3.931	3.938	3.942
#2	.4943	79.11	3.962	3.950	3.941	78.89	3.931	3.933	3.933
#3	.4951	79.35	3.950	3.959	3.944	79.08	3.923	3.929	3.932

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.956	78.70	79.42	79.24	3.937	3.954	79.40	3.919	3.989
Stddev	.013	.25	.48	.25	.008	.006	.20	.004	.008
%RSD	.3341	.3139	.6107	.3182	.2056	.1647	.2502	.0883	.1911
#1	3.969	78.45	78.92	79.07	3.944	3.961	79.17	3.921	3.991
#2	3.943	78.72	79.45	79.11	3.928	3.953	79.54	3.921	3.996
#3	3.955	78.94	79.89	79.53	3.938	3.948	79.47	3.915	3.981

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.956	3.959	4.573	3.912	3.931	3.946	3.955	3.950	3.932
Stddev	.010	.009	.011	.004	.009	.013	.014	.008	.005
%RSD	.2576	.2271	.2438	.0961	.2427	.3307	.3565	.1927	.1408
#1	3.965	3.970	4.584	3.916	3.920	3.953	3.957	3.954	3.935
#2	3.958	3.955	4.571	3.910	3.935	3.931	3.969	3.941	3.936
#3	3.945	3.953	4.562	3.910	3.937	3.955	3.941	3.955	3.926

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 4/21/2016 9:56:37 Type: QC
 Method: 60102007_042011(v72) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2409.3	5338.7	4141.1	3313.3
Stddev	7.6	11.2	137.	20.8
%RSD	.31369	.20902	.33125	.62782
#1	2410.9	5332.9	41258.	3333.1
#2	2401.0	5331.7	41451.	3315.1
#3	2415.9	5351.6	41524.	3291.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

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 Value Range

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 Value Range

7.2
7

Sample Name: ICV Acquired: 4/21/2016 10:02:46 Type: QC
 Method: 60102007_042011(v72) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.458	41.13	1.989	2.066	2.052	41.89	2.032	2.043	2.038
Stddev	.0013	.19	.005	.008	.011	.26	.003	.003	.004
%RSD	.5099	.4633	.2473	.3947	.5177	.6270	.1402	.1364	.2230
#1	.2449	41.21	1.983	2.065	2.059	42.10	2.029	2.039	2.043
#2	.2472	40.91	1.992	2.058	2.040	41.60	2.034	2.044	2.034
#3	.2452	41.27	1.992	2.074	2.057	41.98	2.034	2.045	2.037

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.007	41.44	41.63	42.24	2.100	1.934	41.90	2.044	2.013
Stddev	.007	.25	.25	.41	.004	.001	.24	.005	.003
%RSD	.3571	.5939	.6054	.9602	.1751	.0579	.5779	.2327	.1397
#1	2.001	41.64	41.83	42.41	2.104	1.934	42.11	2.038	2.013
#2	2.015	41.17	41.35	41.78	2.098	1.933	41.63	2.046	2.010
#3	2.006	41.51	41.71	42.54	2.097	1.935	41.94	2.046	2.016

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.010	2.028	10.15	2.057	1.948	1.973	2.074	1.917	2.049
Stddev	.005	.002	.0021	.001	.011	.003	.006	.005	.003
%RSD	.2633	.1037	2.062	.0560	.5600	.1653	.3005	.2808	.1468
#1	2.004	2.026	10.05	2.057	1.955	1.977	2.069	1.922	2.046
#2	2.013	2.029	10.39	2.056	1.935	1.971	2.072	1.917	2.052
#3	2.013	2.030	10.00	2.058	1.954	1.972	2.081	1.912	2.050

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 4/21/2016 10:02:46 Type: QC
 Method: 60102007_042011(v72) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2558.8	5477.3	4197.6	3316.9
Stddev	10.2	10.9	109.	39.4
%RSD	.39699	.19843	.26011	1.1871
#1	2565.3	5489.8	41851.	3278.4
#2	2563.9	5472.1	42055.	3357.1
#3	2547.1	5470.0	42022.	3315.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICB Acquired: 4/21/2016 10:09:57 Type: QC
 Method: 60102007_042011(v72) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0032	-.0003	.0000	-.0001	-.0052	-.0001	-.0002	-.0002
Stddev	.0002	.0082	.0009	.000	.0000	.0050	.0000	.0001	.0002
%RSD	374.5	253.4	361.4	935.3	31.61	96.65	41.54	35.87	111.5
#1	.0003	.0088	-.0013	.0001	-.0001	-.0009	-.0001	-.0002	-.0003
#2	.0000	.0071	.0005	.0000	-.0001	-.0039	-.0001	-.0003	.0001
#3	-.0001	-.0062	.0000	-.0002	-.0002	-.0107	-.0002	-.0001	-.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	-.0078	-.0236	.0199	-.0004	-.0008	.0103	-.0004	-.0008
Stddev	.0002	.0028	.0488	.0228	.0001	.0001	.0048	.0001	.0006
%RSD	60.67	36.65	206.8	114.7	19.51	14.12	47.07	17.78	76.07
#1	-.0003	-.0048	.0028	.0447	-.0003	-.0008	.0135	-.0004	-.0009
#2	-.0005	-.0104	-.0799	.0000	-.0004	-.0006	.0126	-.0003	-.0013
#3	-.0001	-.0081	.0063	.0148	-.0004	-.0008	.0047	-.0004	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	.0001	-.0005	-.0002	-.0001	-.0008	-.0003	-.0004	-.0002
Stddev	.0001	.0016	.0007	.0001	.0002	.0000	.0001	.0002	.0001
%RSD	13.92	1528.	124.4	80.08	104.6	3.569	45.54	37.30	36.45
#1	.0008	-.0010	.0002	-.0003	.0000	-.0007	-.0002	-.0002	-.0001
#2	.0009	-.0006	-.0010	.0000	-.0002	-.0008	-.0004	-.0004	-.0002
#3	.0007	.0019	-.0008	-.0002	-.0002	-.0008	-.0002	-.0005	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 4/21/2016 10:09:57 Type: QC
 Method: 60102007_042011(v72) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2972.2	5754.3	44518.	3445.9
Stddev	12.5	14.8	128.	11.3
%RSD	.42095	.25707	.28824	.32857
#1	2961.6	5746.5	44595.	3453.2
#2	2986.0	5771.3	44370.	3451.7
#3	2969.0	5744.9	44590.	3432.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	-.0078	-.0236	.0199	-.0004	-.0008	.0103	-.0004	-.0008
Stddev	.0002	.0028	.0488	.0228	.0001	.0001	.0048	.0001	.0006
%RSD	60.67	36.65	206.8	114.7	19.51	14.12	47.07	17.78	76.07
#1	-.0003	-.0048	.0028	.0447	-.0003	-.0008	.0135	-.0004	-.0009
#2	-.0005	-.0104	-.0799	.0000	-.0004	-.0006	.0126	-.0003	-.0013
#3	-.0001	-.0081	.0063	.0148	-.0004	-.0008	.0047	-.0004	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	.0001	-.0005	-.0002	-.0001	-.0008	-.0003	-.0004	-.0002
Stddev	.0001	.0016	.0007	.0001	.0002	.0000	.0001	.0002	.0001
%RSD	13.92	1528.	124.4	80.08	104.6	3.569	45.54	37.30	36.45
#1	.0008	-.0010	.0002	-.0003	.0000	-.0007	-.0002	-.0002	-.0001
#2	.0009	-.0006	-.0010	.0000	-.0002	-.0008	-.0004	-.0004	-.0002
#3	.0007	.0019	-.0008	-.0002	-.0002	-.0008	-.0002	-.0005	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CRIA Acquired: 4/21/2016 10:13:38 Type: QC
 Method: 60102007_042011(v72) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0093	.2220	.0098	.2106	.0049	1.100	.0054	.0553	.0107
Stddev	.0008	.0059	.0004	.0008	.0001	.014	.0001	.0003	.0000
%RSD	8.705	2.668	3.999	.3947	2.794	1.293	1.184	.5872	.2391
#1	.0101	.2180	.0102	.2115	.0051	1.115	.0054	.0551	.0107
#2	.0091	.2191	.0099	.2098	.0048	1.099	.0053	.0550	.0107
#3	.0085	.2288	.0094	.2105	.0049	1.087	.0054	.0556	.0107

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0268	.3051	10.29	5.396	.0165	.0504	10.51	.0445	.0049
Stddev	.0001	.0031	.08	.043	.0001	.0001	.07	.0002	.0003
%RSD	.2543	1.022	.7895	.7871	.5578	.1305	.6717	.5338	5.489
#1	.0267	.3020	10.38	5.364	.0164	.0503	10.57	.0444	.0047
#2	.0268	.3050	10.22	5.379	.0166	.0504	10.51	.0443	.0048
#3	.0268	.3082	10.28	5.444	.0164	.0505	10.43	.0447	.0052

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046	.0094	.0118	.0547	.0101	.0093	.0108	.0504	.0236
Stddev	.0009	.0018	.0002	.0000	.0001	.0001	.0012	.0002	.0002
%RSD	19.52	19.17	2.023	.0654	.9857	.5519	11.23	.3025	.9557
#1	.0036	.0079	.0115	.0547	.0100	.0094	.0099	.0502	.0235
#2	.0048	.0089	.0119	.0547	.0102	.0093	.0103	.0503	.0234
#3	.0053	.0114	.0119	.0548	.0101	.0093	.0122	.0505	.0239

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 4/21/2016 10:13:38 Type: QC
 Method: 60102007_042011(v72) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2894.6	5729.7	43694.	3411.3
Stddev	6.7	11.6	56.	10.6
%RSD	.23292	.20269	.12726	.31081
#1	2889.9	5735.4	43705.	3415.4
#2	2902.3	5737.3	43743.	3399.2
#3	2891.7	5716.3	43634.	3419.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0268	.3051	10.29	5.396	.0165	.0504	10.51	.0445	.0049
Stddev	.0001	.0031	.08	.043	.0001	.0001	.07	.0002	.0003
%RSD	.2543	1.022	.7895	.7871	.5578	.1305	.6717	.5338	5.489
#1	.0267	.3020	10.38	5.364	.0164	.0503	10.57	.0444	.0047
#2	.0268	.3050	10.22	5.379	.0166	.0504	10.51	.0443	.0048
#3	.0268	.3082	10.28	5.444	.0164	.0505	10.43	.0447	.0052

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046	.0094	.0118	.0547	.0101	.0093	.0108	.0504	.0236
Stddev	.0009	.0018	.0002	.0000	.0001	.0001	.0012	.0002	.0002
%RSD	19.52	19.17	2.023	.0654	.9857	.5519	11.23	.3025	.9557
#1	.0036	.0079	.0115	.0547	.0100	.0094	.0099	.0502	.0235
#2	.0048	.0089	.0119	.0547	.0102	.0093	.0103	.0503	.0234
#3	.0053	.0114	.0119	.0548	.0101	.0093	.0122	.0505	.0239

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSA Acquired: 4/21/2016 10:19:19 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	499.3	-0.014	-0.006	-0.004	490.3	-0.001	-0.004	-0.004
Stddev	.0006	3.0	.0021	.0001	.0001	4.1	.0001	.0001	.0002
%RSD	171.9	.6038	150.4	15.29	15.13	.8359	224.7	25.34	53.83
#1	-0.006	502.2	-0.017	-0.006	-0.004	494.7	.0000	-0.006	-0.003
#2	-0.008	499.6	.0008	-0.005	-0.004	489.4	-0.002	-0.004	-0.006
#3	.0003	496.2	-0.032	-0.007	-0.005	486.6	.0000	-0.004	-0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	188.8	.0669	517.8	-0.008	-0.007	.2301	.0000	.0002
Stddev	.0002	.6	.0681	2.1	.0000	.0004	.0133	.0002	.0013
%RSD	414.2	.2929	101.8	.4147	3.343	58.52	5.788	504.7	797.9
#1	-0.002	189.1	-0.032	518.2	-0.008	-0.011	.2164	-0.001	.0004
#2	-0.002	189.0	.1328	519.8	-0.008	-0.007	.2308	.0001	-0.013
#3	.0002	188.1	.0712	515.5	-0.008	-0.003	.2430	.0002	.0013

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	.0009	.0622	F .0012	-0.002	-0.017	-0.002	-0.004	-0.027
Stddev	.0018	.0020	.0011	.0005	.0001	.0001	.0025	.0002	.0001
%RSD	216.8	216.0	1.703	36.79	72.00	3.365	1129.	43.89	2.466
#1	.0013	-0.010	.0628	.0009	-0.003	-0.017	-0.010	-0.002	-0.027
#2	.0024	.0008	.0610	.0011	.0000	-0.016	.0026	-0.005	-0.027
#3	-0.012	.0031	.0629	.0017	-0.002	-0.017	-0.022	-0.004	-0.026

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 4/21/2016 10:19:19 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2320.1	5105.0	38327.	3179.1
Stddev	2.4	11.0	46.	14.3
%RSD	.10402	.21463	.12114	.45104
#1	2321.8	5095.6	38314.	3168.0
#2	2317.3	5102.5	38289.	3174.0
#3	2321.2	5117.0	38379.	3195.3

Sample Name: ICSAB Acquired: 4/21/2016 10:24:20 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.049	497.8	1.096	.5262	.5136	479.8	.9767	.4833	.5153
Stddev	.003	7.7	.003	.0013	.0036	2.4	.0009	.0004	.0014
%RSD	.2652	1.554	.2829	.2519	.6926	.4967	.0886	.0834	.2621
#1	1.050	500.3	1.093	.5270	.5155	480.9	.9774	.4829	.5159
#2	1.046	489.1	1.094	.5247	.5095	477.1	.9758	.4832	.5161
#3	1.051	503.9	1.099	.5270	.5158	481.5	.9770	.4837	.5137

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5525	187.7	.0462	506.3	.5174	.9590	.2405	.9742	.9704
Stddev	.0016	.6	.0233	1.2	.0014	.0018	.0101	.0002	.0014
%RSD	.2882	.3379	50.47	.2380	.2698	.1848	4.194	.0182	.1405
#1	.5542	187.6	.0356	506.6	.5182	.9589	.2401	.9743	.9705
#2	.5512	187.2	.0730	504.9	.5182	.9572	.2508	.9740	.9690
#3	.5520	188.4	.0301	507.3	.5158	.9608	.2306	.9744	.9717

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.035	1.036	.0977	.9421	1.031	1.012	.9608	.4812	.9763
Stddev	.000	.006	.0005	.0016	.004	.002	.0056	.0011	.0008
%RSD	.0427	.5858	.5348	.1704	.4358	.2166	.5839	.2314	.0832
#1	1.035	1.035	.0983	.9424	1.028	1.014	.9672	.4818	.9773
#2	1.034	1.030	.0976	.9404	1.028	1.012	.9566	.4818	.9758
#3	1.035	1.042	.0973	.9436	1.036	1.009	.9586	.4799	.9760

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 4/21/2016 10:24:20 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2285.9	5075.0	38521.	3199.6
Stddev	2.6	7.8	198.	14.9
%RSD	.11308	.15417	.51356	.46545
#1	2283.6	5077.1	38442.	3199.2
#2	2288.7	5081.5	38375.	3214.7
#3	2285.3	5066.3	38746.	3184.9

Sample Name: CCV Acquired: 4/21/2016 10:30:42 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.494	39.23	2.001	1.960	1.971	39.21	2.014	2.005	1.988
Stddev	.0011	.15	.003	.010	.010	.23	.003	.003	.003
%RSD	.4248	.3713	.1266	.5277	.4954	.5797	.1354	.1246	.1430

#1	.2500	39.40	1.998	1.972	1.982	39.47	2.014	2.005	1.992
#2	.2501	39.13	2.003	1.953	1.964	39.10	2.016	2.008	1.986
#3	.2482	39.17	2.002	1.956	1.967	39.06	2.011	2.003	1.987

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.992	38.63	39.19	38.90	2.018	1.990	39.67	2.020	1.982
Stddev	.004	.18	.14	.18	.004	.001	.22	.004	.007
%RSD	.1932	.4759	.3661	.4705	.2176	.0432	.5587	.1775	.3359

#1	1.996	38.84	39.35	39.10	2.023	1.989	39.92	2.018	1.984
#2	1.989	38.52	39.07	38.76	2.015	1.991	39.50	2.025	1.987
#3	1.991	38.52	39.16	38.83	2.016	1.989	39.58	2.019	1.975

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.013	2.007	1.436	2.010	1.977	2.004	2.005	1.984	2.018
Stddev	.002	.004	.002	.002	.009	.004	.011	.003	.004
%RSD	.0935	.1847	.1155	.1163	.4649	.1890	.5525	.1425	.2056

#1	2.012	2.008	1.436	2.008	1.987	2.008	2.017	1.987	2.014
#2	2.015	2.011	1.438	2.012	1.974	2.002	2.004	1.983	2.022
#3	2.012	2.003	1.435	2.010	1.970	2.001	1.995	1.982	2.017

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/21/2016 10:30:42 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2607.8	5525.3	43042.	3428.8
Stddev	11.3	7.7	48.	13.1
%RSD	.43465	.13994	.11246	.38285

#1	2597.0	5520.0	43042.	3414.1
#2	2605.8	5521.7	43091.	3432.9
#3	2619.5	5534.1	42994.	3439.4

Sample Name: CCB Acquired: 4/21/2016 10:36:46 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	-0.0028	.0002	-0.0002	-0.0002	.0036	-0.0001	-0.0001	-0.0004
Stddev	.0006	.0067	.0004	.0003	.0000	.0029	.0001	.0001	.0002
%RSD	137.1	241.3	249.8	164.8	7.581	82.22	100.9	71.49	47.73

#1	-.0001	-.0071	.0004	-.0005	-.0002	.0064	.0000	.0000	-.0004
#2	.0004	.0049	-.0003	.0000	-.0002	.0006	-.0001	-.0002	-.0002
#3	.0010	-.0061	.0005	.0000	-.0002	.0037	-.0002	-.0001	-.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.0021	.0279	.0153	-0.0003	-0.0009	.0211	.0000	-0.0005
Stddev	.000	.0059	.0155	.0127	.0000	.0001	.0055	.000	.0003
%RSD	1196.	287.7	55.34	82.65	11.50	16.88	26.02	7.582	54.63

#1	.0000	.0043	.0351	.0130	-.0003	-.0007	.0173	.0000	-.0002
#2	.0001	-.0029	.0102	.0290	-.0003	-.0010	.0185	-.0001	-.0006
#3	-.0001	-.0075	.0385	.0040	-.0003	-.0009	.0274	.0000	-.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0007	.0007	.0001	.0000	-0.0003	-0.0009	.0003	-0.0004	.0002
Stddev	.0011	.0011	.0002	.000	.0001	.0001	.0010	.0002	.0002
%RSD	154.3	150.2	167.9	135.5	44.03	10.72	283.6	45.93	135.1

#1	.0003	.0019	.0001	.0000	-.0002	-.0008	.0012	-.0005	.0001
#2	-.0006	.0003	.0004	-.0001	-.0002	-.0009	.0006	-.0005	.0000
#3	-.0018	-.0001	-.0001	-.0001	-.0004	-.0009	-.0007	-.0002	.0004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/21/2016 10:36:46 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3029.2	5748.1	44844.	3375.9
Stddev	2.2	8.0	265.	5.9
%RSD	.07167	.13859	.59128	.17499

#1	3027.1	5756.8	44539.	3378.1
#2	3029.2	5746.0	44970.	3380.5
#3	3031.5	5741.3	45022.	3369.3

Sample Name: FA33180-8 Acquired: 4/21/2016 10:41:36 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	6.934	0.150	0.059	0.010	40.97	0.009	0.126	0.171
Stddev	0.000	0.040	0.005	0.002	0.001	0.10	0.000	0.002	0.004
%RSD	2.070	0.5831	3.229	0.4027	15.64	0.2380	3.918	1.656	2.380
#1	-0.003	6.979	0.147	0.057	0.011	41.06	0.009	0.129	0.167
#2	-0.003	6.921	0.156	0.051	0.009	40.97	0.009	0.125	0.175
#3	-0.003	6.902	0.148	0.058	0.008	40.87	0.009	0.125	0.170
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0074	21.36	1.966	11.46	5.491	0.006	2.033	0.0447	0.0091
Stddev	0.002	0.09	0.081	0.13	0.023	0.002	0.024	0.004	0.009
%RSD	3.125	0.4238	4.120	1.122	0.4198	32.58	1.172	0.7871	10.30
#1	0.0076	21.47	1.951	11.60	5.504	0.007	2.055	0.0449	0.0084
#2	0.0071	21.31	2.054	11.43	5.464	0.008	2.037	0.0443	0.0102
#3	0.0075	21.31	1.894	11.35	5.504	0.004	2.007	0.0449	0.0088
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0007	0.004	7.083	-0.009	0.3170	0.0816	-0.0023	0.0306	0.2349
Stddev	0.010	0.0034	0.015	0.003	0.0016	0.012	0.001	0.000	0.005
%RSD	154.9	850.8	0.2177	30.45	0.5080	1.492	2.876	0.1125	0.2149
#1	0.0004	0.001	7.074	-0.007	0.3189	0.802	-0.023	0.0306	0.2346
#2	-0.0008	-0.0028	7.074	-0.009	0.3160	0.820	-0.023	0.0306	0.2355
#3	-0.0016	0.0039	7.101	-0.012	0.3163	0.825	-0.022	0.0305	0.2347
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2914.4	6496.1	50788.	3908.2					
Stddev	5.4	12.2	190.	16.1					
%RSD	0.18364	0.18757	0.37417	0.41321					
#1	2908.6	6487.2	50573.	3897.0					
#2	2915.7	6510.0	50935.	3900.7					
#3	2919.0	6491.1	50855.	3926.7					

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Sample Name: FA33214-1 Acquired: 4/21/2016 10:45:58 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	0.046	1.711	-0.122	0.029	-0.124	1431.	-0.062	-0.018
Stddev	0.0164	0.187	0.0160	0.0063	0.0028	4.	0.007	0.0024
%RSD	355.8	10.91	131.6	27.62	22.47	0.3043	10.89	133.5
#1	-0.135	1.496	-0.249	0.0176	-0.150	1434.	-0.069	-0.002
#2	0.0184	1.832	-0.058	0.0299	-0.095	1426.	-0.055	-0.046
#3	0.0090	1.804	-0.175	0.0212	-0.128	1434.	-0.061	-0.007
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.0091	0.0312	1.463	73.98	384.8	4.686	0.635	22420.
Stddev	0.042	0.062	0.069	1.06	2.4	0.009	0.029	200.
%RSD	46.45	20.00	4.698	1.439	0.6203	0.2022	4.513	0.8912
#1	-0.0051	0.0365	1.481	74.31	386.1	4.696	0.609	22590.
#2	-0.0135	0.0328	1.522	72.79	382.0	4.684	0.666	22480.
#3	-0.0087	0.0243	1.388	74.85	386.3	4.677	0.632	22200.
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	-0.0049	-0.0063	-0.0017	0.0254	4.743	-0.104	27.34	0.0121
Stddev	0.061	0.192	0.0127	0.169	0.003	0.048	0.05	0.010
%RSD	125.1	303.6	771.2	66.56	0.0579	45.86	0.1996	8.319
#1	-0.0115	0.107	0.011	0.0443	4.742	-0.063	27.33	0.0128
#2	0.0008	-0.271	-0.0155	0.0198	4.746	-0.092	27.29	0.0109
#3	-0.0041	-0.026	0.0095	0.0119	4.741	-0.156	27.40	0.0126
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	-0.0078	-0.0156	0.3247					
Stddev	0.0420	0.0098	0.007					
%RSD	538.0	62.44	0.2218					
#1	-0.0130	-0.0111	0.3239					
#2	-0.0197	-0.0090	0.3251					
#3	-0.0562	-0.0268	0.3252					

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7.2

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Sample Name: FA33214-1 Acquired: 4/21/2016 10:45:58 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2333.7	5104.7	38110.	3345.3
Stddev	4.5	11.9	103.	14.5
%RSD	0.19208	0.23265	0.26948	0.43366
#1	2336.0	5109.3	37998.	3329.0
#2	2328.5	5091.2	38134.	3356.9
#3	2336.5	5113.6	38199.	3350.0

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Sample Name: MP30257-D1 Acquired: 4/21/2016 10:50:30 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.010	1.338	0.0037	0.109	-0.148	1437.	-0.059	-0.072
Stddev	0.0109	0.109	0.0065	0.0124	0.0016	22.	0.019	0.0034
%RSD	106.5	8.107	174.8	113.9	11.10	1.528	32.20	47.23
#1	0.0106	1.327	-0.005	-0.009	-0.166	1418.	-0.037	-0.056
#2	-0.0110	1.236	0.012	0.0097	-0.144	1431.	-0.072	-0.111
#3	-0.0027	1.452	0.004	0.0238	-0.133	1461.	-0.069	-0.048
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	-0.0070	0.0287	1.211	80.12	387.6	4.825	0.606	21460.
Stddev	0.0059	0.044	0.072	2.19	5.8	0.074	0.044	288.
%RSD	84.68	15.40	5.944	2.733	1.486	1.533	7.235	1.344
#1	-0.002	0.038	1.163	78.03	383.9	4.877	0.655	21400.
#2	-0.0105	0.0262	1.176	79.95	384.7	4.740	0.570	21210.
#3	-0.0104	0.0262	1.294	82.40	394.2	4.858	0.594	21770.
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	-0.0086	-0.0345	-0.0179	0.0114	4.556	-0.0044	27.23	0.0112
Stddev	0.0015	0.0174	0.0241	0.0359	0.071	0.0143	0.44	0.0043
%RSD	17.01	50.44	134.6	314.2	1.549	324.1	1.616	38.11
#1	-0.0080	-0.0169	-0.0374	0.0365	4.636	-0.0207	26.87	0.0077
#2	-0.0075	-0.0518	0.0090	0.0274	4.504	0.0013	27.11	0.0099
#3	-0.0103	-0.0349	-0.0253	-0.0297	4.527	0.0061	27.72	0.0159
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	-0.0242	-0.0111	0.3476					
Stddev	0.0077	0.0015	0.020					
%RSD	31.78	13.93	0.5708					
#1	-0.0155	-0.0129	0.3497					
#2	-0.0299	-0.0104	0.3457					
#3	-0.0273	-0.0101	0.3473					

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Sample Name: MP30257-D1 Acquired: 4/21/2016 10:50:30 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 25.000000
User: admin SSTRACE01: : :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2310.1	5080.1	36978.	3331.8
Stddev	25.6	53.3	424.	52.2
%RSD	1.1100	1.0483	1.1456	1.5679
#1	2284.5	5023.5	36904.	3376.1
#2	2335.7	5129.2	37433.	3345.2
#3	2310.1	5087.6	36596.	3274.2

Sample Name: MP30257-S1 Acquired: 4/21/2016 10:55:04 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 25.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	.0543	28.52	2.166	2.074	.0396	1439.	.0466	.5076
Stddev	.0029	.18	.020	.008	.0023	2.	.0016	.0015
%RSD	5.284	.6235	.9173	.3778	5.707	.1603	3.451	.2881
#1	.0575	28.32	2.188	2.073	.0416	1441.	.0465	.5062
#2	.0520	28.66	2.150	2.082	.0372	1438.	.0482	.5075
#3	.0534	28.57	2.160	2.066	.0400	1436.	.0450	.5091
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.2045	.2941	27.47	108.0	404.7	.9930	.5510	F 20530.
Stddev	.0089	.0047	.11	1.0	2.4	.0024	.0051	56.
%RSD	4.369	1.604	.4082	.9342	.5865	.2431	.9275	.2752
#1	.2147	.2980	27.46	106.9	403.8	.9958	.5451	20490.
#2	.2009	.2954	27.36	108.2	402.9	.9916	.5540	20600.
#3	.1979	.2888	27.59	108.9	407.4	.9916	.5540	20510.
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.5162	.4754	.5287	2.223	4.768	.4918	27.22	.5092
Stddev	.0040	.0060	.0569	.019	.019	.0090	.07	.0055
%RSD	.7761	1.260	10.76	.8522	.4073	1.821	.2661	1.085
#1	.5126	.4815	.5526	2.242	4.757	.4963	27.27	.5154
#2	.5205	.4752	.5698	2.222	4.758	.4814	27.13	.5074
#3	.5155	.4695	.4638	2.204	4.791	.4975	27.25	.5049
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	1.926	.4991	.9395					
Stddev	.020	.0053	.0046					
%RSD	1.056	1.059	.4869					
#1	1.950	.4939	.9356					
#2	1.913	.5045	.9383					
#3	1.915	.4989	.9446					

7.2
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Sample Name: MP30257-S1 Acquired: 4/21/2016 10:55:04 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 25.000000
User: admin SSTRACE01: : :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2312.1	5096.1	38374.	3339.7
Stddev	1.0	5.9	64.	17.5
%RSD	.04335	.11651	.16585	.52409
#1	2312.4	5102.3	38300.	3323.1
#2	2312.8	5095.4	38411.	3358.0
#3	2310.9	5090.5	38411.	3338.0

Sample Name: MP30257-S2 Acquired: 4/21/2016 10:59:34 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 25.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	.0573	29.15	2.226	2.105	.0408	1449.	.0473	.5143
Stddev	.0051	.29	.009	.008	.0014	4.	.0012	.0031
%RSD	8.970	.9850	.4178	.3833	3.325	.2737	2.565	.6024
#1	.0620	28.92	2.230	2.113	.0415	1449.	.0471	.5139
#2	.0518	29.07	2.215	2.104	.0417	1445.	.0461	.5176
#3	.0581	29.47	2.232	2.097	.0392	1453.	.0486	.5115
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.2079	.2980	27.91	108.3	406.5	1.030	.5558	F 20080.
Stddev	.0039	.0008	.15	2.0	2.1	.006	.0007	322.
%RSD	1.877	.2667	.5532	1.878	.5223	.6019	.1315	1.601
#1	.2084	.2971	28.01	107.2	404.4	1.032	.5558	20380.
#2	.2038	.2986	27.73	107.0	408.6	1.034	.5552	20120.
#3	.2116	.2983	27.98	110.6	406.3	1.023	.5566	19740.
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.5186	.5169	.5300	2.231	4.696	.5083	27.58	.5278
Stddev	.0042	.0150	.0151	.029	.013	.0085	.06	.0023
%RSD	.8151	2.906	2.849	1.308	.2767	1.673	.2271	.4420
#1	.5233	.5174	.5277	2.215	4.697	.4999	27.65	.5291
#2	.5150	.5016	.5163	2.265	4.683	.5169	27.57	.5251
#3	.5177	.5316	.5462	2.214	4.709	.5082	27.53	.5291
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	1.972	.5011	.9922					
Stddev	.010	.0078	.0015					
%RSD	.4975	1.558	.1527					
#1	1.971	.4975	.9909					
#2	1.962	.5100	.9918					
#3	1.981	.4957	.9939					

Sample Name: MP30257-S2 Acquired: 4/21/2016 10:59:34 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 25.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2323.7	5117.2	38198.	3338.6
Stddev	.7	1.7	163.	20.3
%RSD	.02811	.03257	.42676	.60772
#1	2323.7	5118.7	38013.	3360.4
#2	2323.1	5117.7	38321.	3320.2
#3	2324.4	5115.4	38260.	3335.1

Sample Name: MP30257-PS1 Acquired: 4/21/2016 11:04:05 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 25.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	.0566	4.978	.1163	.3258	.0463	1461.	.0553	.0545
Stddev	.0091	.143	.0314	.0047	.0012	9.	.0002	.0023
%RSD	16.09	2.876	26.97	1.442	2.566	.6342	.3215	4.164
#1	.0483	4.985	.1473	.3242	.0452	1450.	.0551	.0554
#2	.0663	4.831	.0846	.3311	.0461	1465.	.0554	.0562
#3	.0551	5.117	.1169	.3222	.0476	1468.	.0555	.0519
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.0532	.1557	5.041	96.47	400.0	.5343	.1805	F 20550.
Stddev	.0012	.0093	.038	1.17	5.0	.0029	.0033	379.
%RSD	2.312	5.969	.7588	1.218	1.261	.5508	1.848	1.846
#1	.0547	.1602	5.066	95.91	394.2	.5376	.1838	20180.
#2	.0525	.1619	5.060	95.68	402.5	.5320	.1807	20940.
#3	.0526	.1450	4.997	97.82	403.3	.5334	.1771	20530.
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.1109	.0262	.1280	.0757	4.750	.0501	27.64	.1313
Stddev	.0035	.0187	.0243	.0208	.016	.0070	.11	.0030
%RSD	3.162	71.26	19.00	27.50	.3304	14.03	.3983	2.315
#1	.1125	.0048	.1522	.0956	4.741	.0427	27.54	.1348
#2	.1133	.0346	.1035	.0774	4.768	.0510	27.61	.1295
#3	.1069	.0391	.1284	.0541	4.741	.0567	27.76	.1296
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	.0819	.0417	.6455					
Stddev	.0124	.0076	.0001					
%RSD	15.09	18.24	.0199					
#1	.0688	.0434	.6456					
#2	.0934	.0334	.6456					
#3	.0836	.0484	.6454					

7.2
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Sample Name: MP30257-PS1 Acquired: 4/21/2016 11:04:05 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 25.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2306.9	5066.9	37744.	3267.1
Stddev	1.0	3.1	30.	25.9
%RSD	.04380	.06044	.07828	.79300
#1	2306.5	5067.3	37754.	3294.8
#2	2306.2	5069.7	37766.	3243.5
#3	2308.1	5063.6	37710.	3263.2

Sample Name: MP30257-SD1 Acquired: 4/21/2016 11:08:36 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 125.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	.0147	.1298	-.0264	-.0432	-.0627	1463.	-.0301	-.0269
Stddev	.0053	1.042	.0354	.0179	.0075	3.	.0007	.0177
%RSD	35.92	802.6	134.3	41.50	11.93	.2108	2.270	65.79
#1	.0177	.0955	-.0414	-.0299	-.0693	1464.	-.0298	-.0102
#2	.0086	-.8945	-.0141	-.0361	-.0546	1459.	-.0296	-.0250
#3	.0179	1.188	-.0518	-.0636	-.0642	1465.	-.0309	-.0454
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	-.0601	-.0151	-.7288	72.97	398.5	.4001	-.1351	F 23950.
Stddev	.0125	.0068	.2355	1.35	3.8	.0015	.0084	23.
%RSD	20.78	45.27	32.31	1.853	.9595	.3837	6.197	.0949
#1	-.0745	-.0175	-.7680	72.81	398.0	.4007	-.1366	23960.
#2	-.0521	-.0074	-.9423	74.39	402.5	.4013	-.1426	23920.
#3	-.0538	-.0203	-.4762	71.70	394.9	.3984	-.1261	23960.
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	-.0624	-.0588	-.0199	-.0701	4.638	-.0408	27.15	-.1221
Stddev	.0245	.0356	.0466	.2711	.076	.0262	.03	.0038
%RSD	39.20	60.53	233.7	386.6	1.631	64.23	.1278	3.137
#1	-.0342	-.0788	-.0213	-.2709	4.560	-.0160	27.17	-.1177
#2	-.0750	-.0177	.0273	.2382	4.642	-.0682	27.16	-.1244
#3	-.0781	-.0798	-.0658	-.1777	4.711	-.0382	27.11	-.1243
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	-.2061	-.1016	.9219					
Stddev	.0332	.0189	.0090					
%RSD	16.12	18.64	.9762					
#1	-.2064	-.1235	.9270					
#2	-.2392	-.0915	.9116					
#3	-.1728	-.0899	.9273					

Sample Name: MP30257-SD1 Acquired: 4/21/2016 11:08:36 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 125.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2645.7	5527.6	41959.	3362.4
Stddev	2.6	2.6	114.	10.2
%RSD	.09901	.04758	.27092	.30305
#1	2644.7	5529.3	41973.	3351.0
#2	2648.7	5529.1	41839.	3365.4
#3	2643.8	5524.6	42065.	3370.6

Sample Name: FA33214-3 Acquired: 4/21/2016 11:13:14 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 500.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.1324	-4.949	-1.238	-2.570	-2.588	831.0	-1.127	-1.530	-2.672
Stddev	.1689	2.930	.3226	.1935	.0195	3.7	.0095	.0601	.0644
%RSD	127.5	59.21	260.6	75.30	7.529	.4482	8.403	39.25	24.12
#1	-0.589	-7.234	.1586	-4.343	-2.736	827.9	-1.187	-2.175	-2.022
#2	.1952	-5.966	-0.546	-2.862	-2.660	835.1	-1.176	-1.432	-2.682
#3	.2610	-1.645	-4.754	-0.506	-2.367	829.8	-1.018	-0.985	-3.311
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.192	-10.21	72.44	141.8	-2.712	-7.387	11180.	-1.741	-3.216
Stddev	.1155	1.75	8.21	13.2	.0149	.1272	34.	.1387	.2717
%RSD	602.7	17.13	11.34	9.300	5.483	17.21	.3063	79.69	84.46
#1	.1032	-11.54	69.29	156.6	-2.849	-7.079	11200.	-1.230	-5.232
#2	-1.262	-8.228	81.77	131.3	-2.554	-6.297	11200.	-0.681	-0.127
#3	-0.345	-10.87	66.27	137.6	-2.732	-8.784	11140.	-3.311	-4.290
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-2.770	.0384	4.046	-3.535	12.17	-7.541	-0.239	-3.810	3.189
Stddev	.2829	.1633	.055	.0831	.03	.0437	.6256	.0262	.050
%RSD	102.1	424.9	1.348	23.52	.2199	5.791	2619.	6.878	1.557
#1	-4.595	.0491	4.096	-4.129	12.19	-7.415	.1645	-3.859	3.141
#2	.0489	.1962	4.054	-3.890	12.14	-7.181	.4859	-3.526	3.185
#3	-4.203	-1.300	3.988	-2.585	12.18	-8.027	-7.220	-4.043	3.240
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2924.4	5779.4	45144.	3467.0					
Stddev	4.2	9.6	93.	20.7					
%RSD	.14307	.16666	.20709	.59730					
#1	2924.9	5790.5	45196.	3451.6					
#2	2928.2	5773.4	45036.	3458.8					
#3	2919.9	5774.3	45200.	3490.5					

7.2
7

Sample Name: MP30261-MB1 Acquired: 4/21/2016 11:19:10 Type: QC
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-0.0085	-0.0111	-0.0007	-0.0006	.0206	-0.0003	-0.0005	-0.0003
Stddev	.0004	.0051	.0009	.0001	.0001	.0025	.0000	.0001	.0002
%RSD	238.6	60.32	83.03	14.80	17.88	11.92	11.43	31.63	68.82
#1	-0.003	-0.029	-0.001	-0.007	-0.005	.0178	-0.002	-0.004	-0.002
#2	.0003	-0.129	-0.019	-0.005	-0.006	.0214	-0.003	-0.004	-0.006
#3	.0005	-0.097	-0.013	-0.007	-0.007	.0226	-0.003	-0.006	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.183	.0422	.0182	-0.006	-0.017	.2350	-0.005	-0.002
Stddev	.0001	.0013	.0356	.0189	.0000	.0000	.0116	.0003	.0001
%RSD	76.73	7.183	84.19	104.3	2.999	2.082	4.950	66.29	25.99
#1	-0.001	-0.186	.0821	.0350	-0.006	-0.017	.2484	-0.002	-0.002
#2	-0.003	-0.168	.0137	-0.023	-0.006	-0.017	.2277	-0.005	-0.002
#3	-0.001	-0.194	.0309	.0218	-0.005	-0.016	.2289	-0.009	-0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0003	.0087	-0.0001	-0.0006	-0.0012	-0.0021	-0.0008	-0.0003
Stddev	.0004	.0025	.0005	.0004	.0001	.0000	.0010	.0003	.0000
%RSD	412.6	839.7	5.821	297.8	16.77	2.667	46.47	35.50	11.63
#1	-0.004	-0.027	.0081	.0003	-0.007	-0.012	-0.026	-0.008	-0.002
#2	.0004	.0023	.0091	-0.005	-0.005	-0.013	-0.026	-0.011	-0.003
#3	.0003	-0.005	.0088	-0.002	-0.006	-0.012	-0.010	-0.005	-0.003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: MP30261-MB1 Acquired: 4/21/2016 11:19:10 Type: QC
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3009.9	5746.5	45499.	3414.4
Stddev	7.5	8.7	56.	26.0
%RSD	.24887	.15173	.12357	.76094
#1	3001.3	5739.7	45463.	3427.7
#2	3015.1	5743.5	45471.	3431.1
#3	3013.2	5756.4	45564.	3384.5

Sample Name: MP30261-B1 Acquired: 4/21/2016 11:23:38 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0485	27.33	2.032	2.073	.0524	25.93	.0525	.5220	.2099
Stddev	.0006	.13	.003	.010	.0002	.17	.0001	.0014	.0013
%RSD	1.265	.4809	.1441	.4858	.2918	.6471	.1576	.2654	.6373
#1	.0487	27.21	2.029	2.062	.0523	25.74	.0524	.5207	.2102
#2	.0479	27.31	2.032	2.077	.0523	26.05	.0526	.5217	.2084
#3	.0491	27.47	2.035	2.081	.0526	26.01	.0526	.5235	.2110

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2667	26.72	25.28	25.27	.5400	.5038	25.26	.5302	.5035
Stddev	.0003	.12	.14	.12	.0008	.0008	.08	.0012	.0005
%RSD	.1164	.4575	.5342	.4682	.1504	.1682	.3071	.2261	.0914
#1	.2664	26.58	25.13	25.16	.5397	.5035	25.17	.5298	.5030
#2	.2670	26.79	25.39	25.24	.5394	.5031	25.32	.5294	.5040
#3	.2666	26.80	25.32	25.39	.5409	.5047	25.29	.5316	.5034

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5191	2.050	.0220	.5189	.4954	.5094	2.041	.4958	.5248
Stddev	.0014	.004	.0003	.0019	.0019	.0010	.006	.0015	.0008
%RSD	.2654	.2100	1.318	.3711	.3820	.2040	.2811	.3005	.1584
#1	.5185	2.051	.0222	.5168	.4935	.5092	2.036	.4963	.5241
#2	.5182	2.046	.0216	.5194	.4973	.5084	2.047	.4941	.5247
#3	.5207	2.054	.0221	.5206	.4954	.5105	2.039	.4970	.5257

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30261-B1 Acquired: 4/21/2016 11:23:38 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2687.2	5545.5	4301.0	3332.7
Stddev	1.7	11.4	43.	27.8
%RSD	.06495	.20471	.09985	.83270
#1	2689.1	5549.2	42966.	3361.6
#2	2685.8	5554.5	43051.	3306.3
#3	2686.7	5532.7	43014.	3330.1

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

7.2
7

Sample Name: CCV Acquired: 4/21/2016 11:27:51 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2497	39.85	2.004	1.992	1.984	40.13	2.019	2.015	2.014
Stddev	.0003	.15	.003	.003	.005	.11	.003	.001	.009
%RSD	.1379	.3780	.1324	.1582	.2636	.2836	.1574	.0709	.4390
#1	.2493	40.01	2.001	1.996	1.990	40.26	2.021	2.017	2.022
#2	.2498	39.83	2.005	1.990	1.980	40.06	2.021	2.015	2.014
#3	.2500	39.71	2.007	1.990	1.981	40.06	2.015	2.014	2.005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.004	38.97	39.87	39.83	2.029	2.000	39.64	2.019	1.997
Stddev	.006	.19	.04	.30	.008	.002	.17	.005	.003
%RSD	.2940	.4794	.1068	.7526	.3875	.0787	.4339	.2353	.1626
#1	2.010	39.16	39.88	40.16	2.036	2.000	39.84	2.023	1.994
#2	1.999	38.97	39.82	39.72	2.031	1.998	39.53	2.020	2.000
#3	2.003	38.79	39.91	39.59	2.020	2.000	39.55	2.014	1.998

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.009	2.011	1.435	2.029	1.979	2.010	2.017	1.996	2.018
Stddev	.004	.002	.001	.001	.006	.007	.004	.002	.007
%RSD	.2153	.1048	.0445	.0577	.3062	.3264	.2014	.0782	.3408
#1	2.012	2.014	1.435	2.028	1.986	2.016	2.020	1.996	2.021
#2	2.004	2.009	1.435	2.030	1.979	2.011	2.013	1.997	2.023
#3	2.012	2.011	1.434	2.028	1.973	2.003	2.019	1.994	2.010

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/21/2016 11:27:51 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2590.5	5533.6	42732.	3332.2
Stddev	2.4	7.1	154.	26.8
%RSD	.09078	.12799	.36084	.80491
#1	2587.9	5525.5	42574.	3308.4
#2	2592.5	5536.3	42741.	3327.0
#3	2591.0	5538.9	42882.	3361.3

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 4/21/2016 11:32:01 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	-0.0058	-0.0008	-0.0005	-0.0002	-0.0036	0.0000	-0.0002	-0.0003
Stddev	.0004	.0081	.0010	.0001	.0000	.0032	.000	.0001	.0001
%RSD	251.1	141.1	116.6	16.02	10.57	89.42	96.95	28.92	25.51
#1	-0.005	-0.0136	-0.0013	-0.0005	-0.0002	-0.0062	0.0000	-0.0002	-0.0002
#2	-0.004	-0.0026	-0.0015	-0.0006	-0.0002	-0.0047	-0.0001	-0.0001	-0.0003
#3	.0003	-0.0063	.0003	-0.0004	-0.0001	.0000	-0.0001	-0.0002	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	0.0035	0.0466	0.0303	-0.0003	-0.0004	0.1054	-0.0003	-0.0004
Stddev	.0001	.0014	.0250	.0238	.0000	.0004	.0071	.0001	.0001
%RSD	46.87	39.48	53.63	78.64	4.827	89.00	6.712	30.37	18.01
#1	-0.0003	.0050	.0730	.0351	-0.0003	-0.0001	.0996	-0.0003	-0.0005
#2	-0.0003	.0023	.0435	.0514	-0.0003	-0.0003	.1034	-0.0002	-0.0004
#3	-0.0001	.0031	.0233	.0044	-0.0002	-0.0008	.1133	-0.0004	-0.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0000	0.0013	0.0004	-0.0003	-0.0001	-0.0002	0.0008	-0.0005	0.0001
Stddev	.001	.0008	.0003	.0001	.0001	.0002	.0001	.0001	.0001
%RSD	2104.	67.44	72.02	40.83	63.11	95.43	13.47	29.57	188.3
#1	-0.0007	.0003	.0002	-0.0004	-0.0001	.0000	.0008	-0.0003	.0001
#2	.0003	.0020	.0007	-0.0002	-0.0001	-0.0001	.0009	-0.0006	.0002
#3	.0003	.0014	.0002	-0.0004	-0.0002	-0.0004	.0007	-0.0005	-0.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/21/2016 11:32:01 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3072.8	5887.7	45866.	3455.0
Stddev	6.8	7.8	126.	18.6
%RSD	.22148	.13237	.27485	.53713
#1	3074.8	5891.9	45740.	3438.3
#2	3065.3	5878.7	45992.	3475.0
#3	3078.4	5892.4	45865.	3451.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	0.0035	0.0466	0.0303	-0.0003	-0.0004	0.1054	-0.0003	-0.0004
Stddev	.0001	.0014	.0250	.0238	.0000	.0004	.0071	.0001	.0001
%RSD	46.87	39.48	53.63	78.64	4.827	89.00	6.712	30.37	18.01
#1	-0.0003	.0050	.0730	.0351	-0.0003	-0.0001	.0996	-0.0003	-0.0005
#2	-0.0003	.0023	.0435	.0514	-0.0003	-0.0003	.1034	-0.0002	-0.0004
#3	-0.0001	.0031	.0233	.0044	-0.0002	-0.0008	.1133	-0.0004	-0.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0000	0.0013	0.0004	-0.0003	-0.0001	-0.0002	0.0008	-0.0005	0.0001
Stddev	.001	.0008	.0003	.0001	.0001	.0002	.0001	.0001	.0001
%RSD	2104.	67.44	72.02	40.83	63.11	95.43	13.47	29.57	188.3
#1	-0.0007	.0003	.0002	-0.0004	-0.0001	.0000	.0008	-0.0003	.0001
#2	.0003	.0020	.0007	-0.0002	-0.0001	-0.0001	.0009	-0.0006	.0002
#3	.0003	.0014	.0002	-0.0004	-0.0002	-0.0004	.0007	-0.0005	-0.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: FA33248-3 Acquired: 4/21/2016 11:36:31 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.0001	0.0650	-0.0011	0.1526	-0.0005	0.1320	-0.0002	-0.0005	0.0000
Stddev	.0003	.0059	.0007	.0008	.0001	1.1	.0001	.0001	.000
%RSD	464.6	9.122	69.28	5.493	27.86	83.29	28.76	20.62	129.2
#1	-0.0001	.0716	-0.0003	.1529	-0.0003	0.1329	-0.0002	-0.0006	0.0000
#2	-0.0003	.0601	-0.0011	.1516	-0.0006	0.1308	-0.0001	-0.0005	-0.0001
#3	.0002	.0633	-0.0018	.1532	-0.0006	0.1323	-0.0003	-0.0004	0.0002

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0003	0.0261	1.546	23.57	0.0001	-0.0004	12.92	0.0020	-0.0009
Stddev	.0002	.0013	.046	.32	.0000	.0001	.09	.0001	.0008
%RSD	94.16	4.837	2.946	1.373	11.14	29.80	.7103	6.205	83.88
#1	-0.0001	.0263	1.559	23.91	.0001	-0.0003	12.97	.0021	-0.0001
#2	-0.0001	.0272	1.496	23.27	.0001	-0.0005	12.81	.0020	-0.0016
#3	-0.0005	.0247	1.584	23.52	.0001	-0.0005	12.97	.0019	-0.0011

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0000	0.0067	8.943	-0.0001	0.3324	0.0038	-0.0012	0.0005	0.0064
Stddev	.0007	.0011	.009	.0002	.0017	.0014	.0009	.0001	.0001
%RSD	8698.	16.52	1.059	321.3	5.148	35.56	72.14	16.50	1.953
#1	.0003	.0054	8.952	-0.0003	.3336	.0041	-0.0010	.0004	.0065
#2	-0.0008	.0073	8.933	.0001	.3305	.0050	-0.0022	.0005	.0064
#3	.0005	.0073	8.943	.0000	.3333	.0023	-0.0005	.0006	.0063

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2676.0	5469.6	42370.	3318.1
Stddev	8.6	16.4	127.	24.9
%RSD	.32255	.30010	.30080	.74912
#1	2666.4	5451.1	42416.	3296.8
#2	2678.7	5475.4	42225.	3345.4
#3	2683.0	5482.3	42467.	3312.1

Sample Name: MP30261-D1 Acquired: 4/21/2016 11:40:57 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.0002	0.0606	-0.0010	0.1476	-0.0005	0.1276	-0.0002	-0.0006	0.0001
Stddev	.0003	.0083	.0012	.0008	.0001	.6	.0000	.0001	.0001
%RSD	114.9	13.63	115.0	5.233	13.85	4.732	4.204	11.67	67.75
#1	.0005	.0690	-0.0014	.1480	-0.0005	0.1279	-0.0002	-0.0005	0.0000
#2	.0000	.0603	-0.0020	.1467	-0.0004	0.1269	-0.0002	-0.0006	.0001
#3	.0002	.0524	.0003	.1480	-0.0006	0.1280	-0.0002	-0.0006	0.0002

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0001	0.0182	1.475	22.70	0.0001	-0.0008	12.44	0.0019	-0.0018
Stddev	.0001	.0024	.016	.22	.0000	.0001	.04	.0001	.0002
%RSD	98.41	13.11	1.095	.9803	10.17	9.020	.3290	5.673	12.11
#1	-0.0002	.0155	1.479	22.64	.0001	-0.0009	12.48	.0019	-0.0020
#2	.0000	.0194	1.458	22.51	.0001	-0.0009	12.40	.0019	-0.0016
#3	-0.0002	.0198	1.489	22.94	.0001	-0.0008	12.45	.0021	-0.0017

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0003	0.0049	8.630	-0.0004	0.3183	0.0016	-0.0009	0.0005	0.0060
Stddev	.0012	.0006	.029	.0001	.0014	.0008	.0001	.0002	.0001
%RSD	437.8	11.97	3.306	18.42	4.287	53.87			

Sample Name: MP30261-SD1 Acquired: 4/21/2016 11:45:21 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	0.0253	-0.0051	1.433	-0.0025	127.1	-0.0011	-0.0019	-0.0022
Stddev	.0015	.0189	.0011	.0015	.0005	.5	.0001	.0006	.0009
%RSD	532.2	74.66	21.91	1.038	20.28	.3606	10.07	30.83	42.05
#1	-.0020	.0404	-.0039	.1428	-.0019	126.6	-.0010	-.0025	-.0013
#2	-.0003	.0041	-.0061	.1421	-.0028	127.5	-.0012	-.0018	-.0021
#3	.0008	.0314	-.0054	.1450	-.0028	127.2	-.0010	-.0014	-.0032
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.017	-0.0676	1.431	22.69	-0.0025	-0.0086	12.61	0.0009	0.002
Stddev	.0012	.0071	.076	.18	.0001	.0004	.03	.0006	.0055
%RSD	68.35	10.56	5.310	.7728	3.472	4.155	.2726	68.88	235.4
#1	-.0008	-.0629	1.496	22.62	-.0026	-.0082	12.57	.0002	-.0059
#2	-.0014	-.0642	1.450	22.89	-.0024	-.0086	12.60	.0013	.0046
#3	-.0031	-.0758	1.347	22.56	-.0025	-.0090	12.64	.0011	.0021
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.028	0.021	8.546	-0.0023	3.142	-0.0019	-0.0019	-0.0030	0.0339
Stddev	.0030	.0047	.027	.0018	.0003	.0016	.0049	.0003	.0004
%RSD	107.2	229.1	.3146	75.84	.1085	86.12	251.4	10.55	1.081
#1	-.0059	.0022	8.527	-.0016	.3142	-.0001	-.0030	-.0033	.0335
#2	.0001	.0067	8.536	-.0043	.3138	-.0024	.0034	-.0029	.0339
#3	-.0026	-.0027	8.577	-.0011	.3145	-.0031	-.0062	-.0027	.0343
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2900.1	5734.3	44537.	3416.3					
Stddev	2.3	17.8	73.	15.9					
%RSD	.08009	.30975	.16333	.46604					
#1	2902.7	5752.7	44578.	3432.7					
#2	2898.9	5732.9	44453.	3400.9					
#3	2898.5	5717.3	44581.	3415.3					

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Sample Name: MP30261-PS1 Acquired: 4/21/2016 11:49:48 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0502	2.740	1.084	4.234	0.0535	135.0	0.0531	0.0526	0.0541
Stddev	.0004	.010	.0007	.0003	.0002	.1	.0001	.0001	.0002
%RSD	.8286	.3567	.6024	.0745	.4606	.0710	.2432	.1120	.4548
#1	.0503	2.744	1.090	4.231	.0537	135.1	.0530	.0526	.0540
#2	.0506	2.746	1.077	4.233	.0533	134.9	.0531	.0526	.0539
#3	.0498	2.728	1.084	4.237	.0537	135.1	.0533	.0525	.0543
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.103	3.205	12.05	28.19	0.0553	1.048	23.16	1.075	0.503
Stddev	.0006	.008	.04	.06	.0003	.0002	.03	.0004	.0012
%RSD	.5560	.2368	.3314	.2171	.4878	.2160	.1164	.3402	2.309
#1	1.108	3.196	12.01	28.24	.0555	1.046	23.14	1.076	.0501
#2	1.096	3.207	12.07	28.21	.0550	1.050	23.16	1.071	.0493
#3	1.104	3.211	12.08	28.12	.0554	1.048	23.19	1.078	.0516
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.117	1.098	8.787	0.0514	3.757	1.090	1.012	0.523	0.2831
Stddev	.0010	.0010	.013	.0005	.0011	.0005	.0019	.0004	.0008
%RSD	.9191	.8706	.1465	.9068	.2868	.4390	1.905	.7697	.2700
#1	1.129	1.099	8.778	.0513	3.750	1.094	1.034	.0527	.2825
#2	1.112	1.088	8.781	.0510	3.770	1.085	1.002	.0519	.2827
#3	1.110	1.107	8.802	.0519	3.752	1.092	.0999	.0523	.2839
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2634.8	5475.4	42324.	3325.4					
Stddev	2.8	3.9	92.	15.9					
%RSD	.10784	.07076	.21638	.47773					
#1	2635.5	5477.9	42243.	3312.5					
#2	2637.1	5477.5	42423.	3343.1					
#3	2631.6	5471.0	42306.	3320.5					

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7.2
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Sample Name: MP30261-S1 Acquired: 4/21/2016 11:54:05 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0493	27.88	2.031	2.253	0.0531	158.0	0.0510	0.0501	0.2071
Stddev	.0003	.04	.003	.004	.0002	.5	.0000	.0004	.0003
%RSD	.6232	.1299	.1562	.1651	.3626	.3428	.0727	.0789	.1597
#1	.0494	27.91	2.034	2.255	.0533	158.5	.0510	.0507	.2068
#2	.0490	27.84	2.031	2.249	.0530	158.0	.0510	.0502	.2075
#3	.0496	27.90	2.027	2.256	.0530	157.5	.0510	.0505	.2070
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.654	26.97	27.78	48.95	5.314	49.57	38.87	5.131	4.994
Stddev	.0010	.08	.02	.23	.0009	.0008	.04	.0004	.0009
%RSD	.3667	.2863	.0831	.4786	.1778	.1676	.1074	.0765	.1748
#1	.2665	26.99	27.77	49.20	.5308	4.952	38.91	.5133	.5003
#2	.2650	27.03	27.81	48.91	.5325	4.966	38.89	.5126	.4985
#3	.2646	26.88	27.77	48.74	.5310	4.952	38.83	.5133	.4995
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.129	2.050	8.886	5.064	8.293	5.097	2.001	4.961	5.162
Stddev	.0009	.006	.009	.0009	.0008	.0008	.004	.0015	.0007
%RSD	.1848	.3195	.1075	.1779	.0999	.1639	.2188	.3036	.1299
#1	.5118	2.055	8.885	.5054	.8295	.5093	2.001	.4961	.5165
#2	.5134	2.051	8.896	.5067	.8301	.5090	1.996	.4977	.5167
#3	.5135	2.043	8.877	.5072	.8284	.5106	2.005	.4947	.5155
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2546.2	5435.5	41782.	3252.4					
Stddev	1.8	5.9	112.	15.9					
%RSD	.06926	.10828	.26905	.48841					
#1	2544.2	5442.0	41679.	3240.6					
#2	2547.4	5430.4	41765.	3246.1					
#3	2546.9	5434.2	41902.	3270.4					

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Sample Name: MP30261-S2 Acquired: 4/21/2016 11:58:16 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0504	28.32	2.041	2.283	0.0535	160.5	0.0513	0.0504	0.2090
Stddev	.0007	.014	.001	.011	.0001	1.2	.0001	.0010	.0006
%RSD	1.4669	.4893	.0318	.4823	.2803	.7783	.1721	.1982	.2636
#1	.0508	28.16	2.040	2.270	.0536	159.1	.0512	.0502	.2096
#2	.0495	28.42	2.041	2.290	.0533	161.5	.0513	.0502	.2091
#3	.0508	28.38	2.040	2.289	.0536	161.0	.0514	.0507	.2085
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.693	27.18	28.18	49.89	5.340	4.999	39.15	5.148	

Sample Name: FA33248-2 Acquired: 4/21/2016 12:02:27 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	3.722	.0013	.1730	-0.004	105.3	-0.002	.0015	.0046
Stddev	.0004	.037	.0009	.0003	.0001	.3	.0000	.0001	.0004
%RSD	80.29	.9826	69.73	.1601	28.43	.3293	8.569	8.466	8.973
#1	-.0009	3.679	.0008	.1727	-.0003	104.9	-.0002	.0014	.0041
#2	-.0002	3.741	.0023	.1733	-.0005	105.5	-.0002	.0016	.0049
#3	-.0002	3.745	.0007	.1729	-.0003	105.5	-.0002	.0016	.0046
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0028	3.338	6.405	21.99	.1436	.0006	24.87	.0052	.0007
Stddev	.0001	.023	.044	.10	.0004	.0001	.05	.0001	.0008
%RSD	3.077	.6834	.6880	.4737	.2805	21.89	.2136	2.686	101.9
#1	.0029	3.314	6.367	21.87	.1431	.0006	24.86	.0050	-.0001
#2	.0028	3.340	6.395	22.01	.1439	.0008	24.93	.0052	.0013
#3	.0029	3.360	6.453	22.08	.1437	.0005	24.83	.0053	.0010
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0005	.0110	13.46	-0.001	.2151	.1622	-0.004	.0088	.0173
Stddev	.0011	.0017	.06	.0006	.0006	.0036	.0003	.0003	.0002
%RSD	215.9	15.54	4.159	795.7	.2933	2.241	71.10	2.898	.9671
#1	.0015	.0126	13.52	-.0004	.2152	.1649	-.0007	.0086	.0175
#2	.0007	.0092	13.45	.0006	.2145	.1636	-.0002	.0089	.0172
#3	-.0007	.0113	13.41	-.0004	.2157	.1580	-.0003	.0091	.0173
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2668.9	5525.3	42711.	3301.0					
Stddev	8.1	10.9	106.	15.5					
%RSD	.30256	.19759	.24861	.46995					
#1	2663.0	5518.3	42804.	3314.0					
#2	2678.1	5537.9	42735.	3305.2					
#3	2665.7	5519.7	42595.	3283.9					

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Sample Name: FA33248-4 Acquired: 4/21/2016 12:06:51 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	.3101	-0.005	.1648	-0.006	106.7	-0.002	-0.002	.0001
Stddev	.0006	.0106	.0010	.0011	.0000	.4	.0001	.0001	.0002
%RSD	424.9	3.404	220.9	.6752	6.552	.3758	26.88	32.81	272.1
#1	.0006	.3130	-.0007	.1652	-.0005	106.8	-.0003	-.0002	-.0001
#2	-.0006	.3188	-.0013	.1657	-.0006	107.0	-.0002	-.0001	.0001
#3	-.0004	.2984	.0007	.1636	-.0006	106.3	-.0002	-.0002	.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0006	.3208	4.765	16.43	.0859	.0005	49.65	.0028	-.0017
Stddev	.0001	.0009	.013	.05	.0005	.0001	.22	.0001	.0005
%RSD	11.04	.2807	.2813	.2917	.5858	12.64	.4471	3.867	26.56
#1	.0006	.3216	4.750	16.42	.0857	.0005	49.70	.0028	-.0020
#2	.0006	.3198	4.769	16.48	.0865	.0006	49.84	.0028	-.0020
#3	.0007	.3209	4.776	16.39	.0855	.0006	49.40	.0026	-.0012
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.004	.0059	8.807	-0.003	.4081	.0126	-0.010	.0003	.0043
Stddev	.0012	.0019	.007	.0002	.0017	.0015	.0010	.0002	.0000
%RSD	324.4	32.76	.0779	89.42	.4088	11.65	105.0	67.24	.3471
#1	-.0017	.0050	8.808	-.0003	.4088	.0143	-.0004	.0001	.0043
#2	.0005	.0081	8.813	-.0005	.4094	.0121	-.0021	.0005	.0043
#3	.0001	.0046	8.800	.0000	.4062	.0115	-.0003	.0003	.0043
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2644.4	5442.6	42405.	3315.3					
Stddev	4.1	9.0	162.	5.9					
%RSD	.15590	.16545	.38097	.17882					
#1	2645.9	5452.2	42296.	3315.0					
#2	2647.6	5434.4	42328.	3309.5					
#3	2639.7	5441.2	42591.	3321.4					

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Sample Name: FA33248-5 Acquired: 4/21/2016 12:11:14 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	.4377	-0.008	.1630	-0.005	105.0	-0.002	.0001	.0005
Stddev	.0003	.0087	.0008	.0002	.0001	.5	.0001	.0000	.0003
%RSD	394.4	1.996	111.1	.1183	14.91	.5154	26.08	36.22	57.12
#1	.0002	.4277	-.0013	.1631	-.0004	104.8	-.0002	.0001	.0008
#2	-.0003	.4438	-.0012	.1628	-.0006	105.6	-.0002	.0001	.0002
#3	-.0001	.4417	.0002	.1630	-.0006	104.6	-.0003	.0001	.0005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0003	.4287	4.730	16.20	.1078	.0005	49.11	.0033	-.0009
Stddev	.0005	.0050	.050	.14	.0005	.0001	.12	.0001	.0002
%RSD	169.0	1.177	1.065	.8549	.4316	19.23	.2537	2.847	26.38
#1	-.0002	.4235	4.780	16.13	.1078	.0005	48.96	.0032	-.0010
#2	.0003	.4290	4.732	16.36	.1074	.0004	49.18	.0032	-.0011
#3	.0007	.4336	4.679	16.12	.1083	.0005	49.18	.0034	-.0006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.001	.0056	8.871	-0.004	.4001	.0187	-0.020	.0005	.0052
Stddev	.0006	.0018	.003	.0001	.0011	.0025	.0011	.0001	.0001
%RSD	986.0	31.55	.0376	27.60	.2677	13.12	56.86	14.98	1.438
#1	-.0007	.0036	8.869	-.0003	.3992	.0190	-.0009	.0005	.0052
#2	.0001	.0069	8.868	-.0004	.3998	.0161	-.0032	.0004	.0053
#3	.0004	.0062	8.874	-.0005	.4012	.0210	-.0019	.0005	.0052
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2662.9	5492.8	42443.	3329.4					
Stddev	2.3	9.5	74.	35.3					
%RSD	.08765	.17336	.17469	1.0588					
#1	2665.6	5503.8	42412.	3344.8					
#2	2662.1	5486.4	42528.	3289.0					
#3	2661.1	5488.4	42390.	3354.3					

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Sample Name: FA33248-6 Acquired: 4/21/2016 12:15:39 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	.8200	-0.008	.2070	-0.004	132.5	-0.003	-0.002	.0021
Stddev	.0003	.0120	.0013	.0007	.0000	.3	.0000	.0001	.0006
%RSD	256.0	1.468	168.1	.3192	9.334	22.14	9.554	37.27	30.68
#1	-.0001	.8140	-.0007	.2070	-.0004	132.4	-.0002	-.0001	.0028
#2	.0002	.8122	-.0005	.2064	-.0005	132.4	-.0003	-.0002	.0019
#3	-.0005	.8339	-.0022	.2077	-.0004	132.9	-.0003	-.0003	.0015
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.004	.8420	2.757	27.07	.0216	.0002	8.060	.0023	-.0013
Stddev	.0001	.0048	.029	.09	.0002	.0000	.020	.0006	.0000
%RSD									

Sample Name: CCV Acquired: 4/21/2016 12:20:03 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2575	41.00	2.063	2.050	2.041	41.25	2.082	2.081	2.063
Stddev	.0003	.08	.001	.007	.005	.09	.001	.003	.004
%RSD	.1098	.1930	.0609	.3528	.2502	.2114	.0301	.1277	.1793
#1	.2576	41.08	2.064	2.054	2.040	41.34	2.081	2.078	2.067
#2	.2572	41.01	2.062	2.055	2.047	41.23	2.082	2.083	2.059
#3	.2577	40.92	2.063	2.042	2.037	41.17	2.082	2.082	2.064

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.063	40.11	41.13	40.88	2.078	2.066	40.86	2.080	2.051
Stddev	.003	.03	.03	.18	.003	.004	.15	.001	.003
%RSD	.1433	.0761	.0754	.4412	.1553	.0192	.3676	.0432	.1212
#1	2.060	40.15	41.13	41.00	2.077	2.061	40.96	2.079	2.049
#2	2.064	40.11	41.16	40.67	2.076	2.068	40.94	2.081	2.051
#3	2.066	40.09	41.10	40.97	2.082	2.067	40.69	2.079	2.054

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.073	2.075	1.482	2.092	2.033	2.059	2.075	2.044	2.078
Stddev	.004	.005	.003	.003	.004	.003	.007	.005	.004
%RSD	.1766	.2431	.1688	.1529	.2204	.1566	.3506	.2589	.2087
#1	2.069	2.069	1.480	2.089	2.031	2.058	2.066	2.049	2.082
#2	2.074	2.078	1.483	2.093	2.038	2.056	2.080	2.038	2.077
#3	2.076	2.078	1.485	2.095	2.030	2.062	2.078	2.045	2.073

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/21/2016 12:20:03 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2528.8	5388.6	4180.3	3257.8
Stddev	5.9	4.9	86.	12.1
%RSD	.23247	.09155	.20692	.37109
#1	2534.7	5394.2	41765.	3252.1
#2	2528.8	5385.1	41902.	3271.7
#3	2522.9	5386.3	41743.	3249.6

Sample Name: CCB Acquired: 4/21/2016 12:24:13 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	-0.0012	0.0000	-0.0002	-0.0002	0.0035	-0.0001	-0.0003	0.0000
Stddev	.0003	.0103	.000	.0002	.0000	.0060	.0001	.0001	.000
%RSD	178.7	877.4	884.9	69.09	21.84	174.5	108.2	50.94	74.41
#1	.0000	-.0116	.0000	-.0002	-.0002	.0058	.0000	-.0001	.0000
#2	.0000	-.0011	-.0004	-.0004	-.0002	.0080	-.0001	-.0003	-.0001
#3	-.0005	.0091	.0003	-.0001	-.0002	-.0034	-.0001	-.0004	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	0.0006	-0.0087	0.0213	-0.0003	-0.0002	0.0446	-0.0001	-0.0003
Stddev	.0002	.0005	.0406	.0214	.0000	.0002	.0029	.0001	.0003
%RSD	82.24	78.34	465.2	100.8	7.053	127.7	3.048	96.19	117.7
#1	.0000	.0001	-.0039	-.0013	-.0003	.0001	.0979	.0000	-.0004
#2	-.0004	.0010	-.0516	.0238	-.0003	-.0003	.0932	-.0003	-.0005
#3	-.0004	.0006	.0293	.0413	-.0003	-.0004	.0927	-.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0007	0.0011	0.0016	0.0000	-0.0002	-0.0001	-0.0002	-0.0006	0.0000
Stddev	.0004	.0004	.0001	.000	.0001	.0001	.0001	.0003	.000
%RSD	64.37	33.83	5.014	1216.	71.49	85.57	59.93	46.28	467.2
#1	.0007	.0007	.0016	.0000	-.0002	.0000	-.0003	-.0003	.0001
#2	.0002	.0015	.0017	.0001	-.0002	.0000	-.0003	-.0008	-.0001
#3	.0011	.0011	.0015	-.0002	.0000	-.0002	-.0001	-.0009	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/21/2016 12:24:13 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3040.9	5824.3	4540.0	3431.2
Stddev	4.6	6.8	323.	15.2
%RSD	.15198	.11644	.71170	.44173
#1	3042.1	5824.4	45654.	3447.4
#2	3035.8	5831.0	45037.	3417.4
#3	3044.8	5817.5	45510.	3428.6

Sample Name: FA33248-7 Acquired: 4/21/2016 12:28:43 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA33248-8 Acquired: 4/21/2016 12:33:10 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA33230-37 Acquired: 4/21/2016 12:37:33 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA33227-8 Acquired: 4/21/2016 12:42:01 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA33228-1 Acquired: 4/21/2016 12:46:26 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.0452	-0.0017	.0062	-0.0005	21.96	.0001	-0.0003	.0017
Stddev	.0001	.0116	.0007	.0004	.0001	.09	.0000	.0001	.0002
%RSD	365.0	25.61	38.19	5.686	19.13	4.227	43.04	16.09	14.22
#1	.0001	.0475	-0.0023	.0058	-0.0006	21.99	.0001	-0.0004	.0017
#2	-0.0001	.0554	-0.0020	.0063	-0.0004	22.04	.0001	-0.0003	.0020
#3	.0001	.0326	-0.0010	.0065	-0.0004	21.86	.0001	-0.0004	.0015
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0845	.3693	1.517	3.213	.0092	.0738	F 161.8	.0031	.0011
Stddev	.0005	.0042	.022	.029	.0000	.0002	.2	.0000	.0009
%RSD	.6048	1.129	1.440	.9064	.3871	.2056	.1285	1.380	81.78
#1	.0839	.3662	1.511	3.185	.0092	.0738	161.7	.0031	.0021
#2	.0849	.3741	1.541	3.243	.0093	.0737	162.0	.0031	.0009
#3	.0847	.3678	1.498	3.211	.0092	.0740	161.7	.0032	.0003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0006	.0014	2.410	.0009	.4596	-0.001	-0.0016	-0.0003	.0472
Stddev	.0007	.0011	.003	.0003	.0011	.0000	.0007	.0001	.0002
%RSD	114.5	82.09	.1042	37.63	.2388	3.564	42.16	47.13	.4610
#1	-0.0001	.0022	2.413	.0012	.4601	-0.0001	-0.0022	-0.0002	.0469
#2	.0007	.0019	2.409	.0007	.4604	-0.0001	-0.0009	-0.0002	.0474
#3	.0012	.0001	2.409	.0007	.4584	-0.0001	-0.0018	-0.0004	.0472
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2635.1	5449.2	41762.	3324.0					
Stddev	6.5	2.9	137.	20.7					
%RSD	.24480	.05250	.32704	.62208					
#1	2635.1	5446.0	41880.	3337.6					
#2	2641.6	5451.5	41612.	3300.2					
#3	2628.7	5450.2	41792.	3334.2					

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Sample Name: FA33228-2 Acquired: 4/21/2016 12:50:58 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.1411	-0.0018	.0008	-0.0005	4.402	.0000	-0.0004	.0026
Stddev	.0008	.0048	.0007	.0004	.0000	.0010	.0001	.0001	.0003
%RSD	534.9	3.376	36.96	50.16	3.229	2354	865.7	17.31	12.26
#1	.0003	.1384	-0.0014	.0004	-0.0004	4.392	.0001	-0.0003	.0029
#2	.0008	.1382	-0.0014	.0011	-0.0004	4.413	.0000	-0.0004	.0023
#3	-0.0007	.1466	-0.0025	.0010	-0.0005	4.402	.0000	-0.0004	.0025
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0266	.5480	.6459	.0685	.0014	1.737	F 314.5	.0072	.0004
Stddev	.0002	.0028	.0305	.0093	.0001	.0002	2.5	.0001	.0007
%RSD	.7837	.5139	4.717	13.59	4.032	.1432	.7923	1.241	167.6
#1	.0267	.5476	.6122	.0630	.0015	1.740	311.7	.0073	-0.001
#2	.0267	.5510	.6714	.0793	.0015	1.735	316.3	.0071	.0001
#3	.0263	.5454	.6541	.0633	.0014	1.736	315.6	.0073	.0013
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0010	.0015	.4564	.0044	.0057	.0005	-0.0031	-0.0002	.0342
Stddev	.0008	.0017	.0013	.0002	.0001	.0002	.0009	.0003	.0002
%RSD	82.63	111.6	.2771	4.645	1.446	36.01	29.62	150.1	.5126
#1	.0016	.0034	.4578	.0046	.0057	.0007	-0.0020	.0001	.0341
#2	.0001	.0007	.4561	.0042	.0056	.0005	-0.0038	-0.0005	.0342
#3	.0014	.0004	.4554	.0044	.0057	.0003	-0.0034	-0.0002	.0344
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2506.8	5279.7	40328.	3259.5					
Stddev	5.7	7.8	256.	9.6					
%RSD	.22691	.14842	.63544	.29316					
#1	2507.4	5275.9	40534.	3251.1					
#2	2512.2	5288.7	40041.	3257.5					
#3	2500.9	5274.4	40408.	3269.9					

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Sample Name: FA33228-3 Acquired: 4/21/2016 12:55:33 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0012	.1674	.0001	.0049	-0.0005	5.128	.0000	-0.0001	.0043
Stddev	.0007	.0057	.0008	.0002	.0000	.017	.0000	.0001	.0003
%RSD	56.53	3.418	593.5	4.897	5.871	3.214	51.88	98.92	6.294
#1	.0008	.1739	.0005	.0047	-0.0004	5.147	.0000	.0000	.0042
#2	.0020	.1634	.0008	.0052	-0.0004	5.116	.0000	-0.0001	.0046
#3	.0008	.1648	-0.0008	.0048	-0.0005	5.121	.0001	-0.0002	.0041
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0642	.6424	1.474	1.278	.0123	.0680	F 193.9	.0107	.0001
Stddev	.0011	.0077	.021	.016	.0001	.0001	2.0	.0003	.0005
%RSD	1.739	1.194	1.403	1.255	1.069	.1993	1.031	2.527	355.7
#1	.0655	.6462	1.494	1.260	.0124	.0679	194.2	.0104	-0.004
#2	.0633	.6336	1.475	1.283	.0123	.0679	195.7	.0110	.0007
#3	.0638	.6475	1.452	1.291	.0122	.0681	191.7	.0108	.0002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0003	-0.0003	2.757	.0028	.1021	.0040	-0.0030	-0.0002	.0227
Stddev	.0003	.0008	.011	.0004	.0004	.0005	.0006	.0001	.0002
%RSD	84.14	285.9	.3800	13.95	.3773	13.59	19.20	59.97	.8978
#1	.0002	-0.0011	2.767	.0024	.1025	.0038	-0.0036	-0.0002	.0226
#2	.0001	.0002	2.758	.0026	.1018	.0047	-0.0024	-0.0001	.0229
#3	.0006	.0002	2.746	.0032	.1019	.0037	-0.0030	-0.0004	.0226
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2508.7	5226.5	39453.	3157.0					
Stddev	6.6	11.0	305.	15.8					
%RSD	.26406	.21069	.77326	.50138					
#1	2501.2	5213.9	39108.	3167.4					
#2	2510.8	5231.3	39568.	3138.8					
#3	2514.0	5234.3	39685.	3164.8					

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Sample Name: FA33228-4 Acquired: 4/21/2016 13:00:05 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0049	.3604	-0.0007	.0059	-0.0005	6.499	.0006	-0.0000	.0046
Stddev	.0007	.0038	.0008	.0004	.0001	.037	.0000	.0000	.0001
%RSD	13.96	1.060	122.7	7.582	16.59	5.743	2.752	107.6	2.985
#1	.0042	.3621	-0.0004	.0061	-0.0004	6.510	.0006	-0.0001	.0046
#2	.0056	.3631	-0.0016	.0062	-0.0005	6.457	.0006	-0.0002	.0044
#3	.0048	.3560	.0000	.0054	-0.0005	6.529	.0006	.0002	.0047
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0988	1.501	1.996	1.514	.0081	2.457	F 367.8	.0099	.0012
Stddev	.0008	.006	.063	.015	.0001	.0008	1.5	.0002	.0007
%RSD	.7597	.3812	3.169	.9789	1.569	.3207	.4140	2.325	57.79
#1	.0984	1.495	1.930	1.500	.0081	2.458	367.9	.0098	.0006
#2	.0983	1.506	2.005	1.511	.0079	2.464	369.3	.0098	.0011
#3	.0997	1.502	2.055	1.530	.0082	2.448	366.3	.0102	.0019
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)</			

Sample Name: FA33228-1F Acquired: 4/21/2016 13:04:37 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	0.0386	-0.0013	0.0013	-0.0006	15.52	-0.0002	-0.0004	0.0007
Stddev	0.002	0.0085	0.0012	0.0006	0.0001	.14	0.0000	0.0001	0.0000
%RSD	71.24	22.14	95.20	47.87	12.38	8.982	12.43	20.67	4.609
#1	-0.001	0.0421	0.0000	0.0007	-0.0005	15.42	-0.0002	-0.0005	0.0007
#2	-0.003	0.0289	-0.0024	0.0011	-0.0007	15.68	-0.0002	-0.0003	0.0006
#3	-0.005	0.0448	-0.0014	0.0019	-0.0006	15.46	-0.0002	-0.0003	0.0007
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0722	1.230	1.487	2.643	0.0059	0.0719	F 155.7	0.0021	-0.0004
Stddev	0.007	0.070	0.065	0.012	0.0000	0.0001	1.0	0.0001	0.0001
%RSD	1.001	5.678	4.334	4.706	.7358	.2071	.6216	4.655	19.93
#1	0.0714	1.227	1.443	2.629	0.0059	0.0719	155.5	0.0020	-0.0004
#2	0.0722	1.162	1.561	2.651	0.0058	0.0718	156.8	0.0022	-0.0003
#3	0.0729	1.301	1.457	2.649	0.0059	0.0721	154.9	0.0020	-0.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0000	-0.0005	2.242	0.0005	0.2950	-0.0008	-0.0029	-0.0004	0.0120
Stddev	0.001	0.003	0.008	0.0001	0.0014	0.0000	0.0003	0.0003	0.0000
%RSD	482.7	50.22	0.3709	23.42	0.4597	5.552	8.764	68.56	0.3069
#1	-0.0008	-0.0008	2.232	0.0004	0.2945	-0.0007	-0.0026	-0.0004	0.0120
#2	0.0005	-0.0002	2.244	0.0006	0.2966	-0.0007	-0.0031	-0.0001	0.0121
#3	0.0002	-0.0006	2.248	0.0005	0.2940	-0.0008	-0.0029	-0.0007	0.0120
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2638.9	5471.6	4214.8	3303.9					
Stddev	4.3	1.5	86.	3.4					
%RSD	.16339	0.2664	.20413	.10343					
#1	2635.5	5473.1	42159.	3306.0					
#2	2643.7	5471.5	42228.	3300.0					
#3	2637.4	5470.2	42057.	3305.8					

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Sample Name: FA33228-2F Acquired: 4/21/2016 13:09:04 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.1211	-0.0017	0.0007	-0.0005	0.4131	-0.0001	-0.0003	0.0023
Stddev	0.002	0.0030	0.0010	0.0003	0.0001	0.0046	0.0000	0.0001	0.0001
%RSD	190.3	2.456	58.82	40.32	20.32	1.113	17.01	47.35	4.694
#1	-0.004	0.1244	-0.0024	0.0006	-0.0004	0.4139	0.0000	-0.0002	0.0023
#2	0.0000	0.1187	-0.0021	0.0004	-0.0005	0.4172	-0.0001	-0.0002	0.0023
#3	0.0000	0.1201	-0.0005	0.0010	-0.0005	0.4081	-0.0001	-0.0004	0.0021
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0243	4.634	7.199	0.0642	0.0012	1.664	F 299.6	0.0026	0.0001
Stddev	0.003	0.017	0.144	0.0215	0.0000	0.0004	1.8	0.0000	0.0001
%RSD	1.276	3.706	2.002	33.53	1.284	2.339	.6128	.7711	88.27
#1	0.0245	4.637	7.058	0.0425	0.0012	1.663	301.0	0.0063	0.0001
#2	0.0239	4.648	7.192	0.0644	0.0011	1.661	300.3	0.0062	0.0001
#3	0.0243	4.615	7.346	0.0856	0.0012	1.669	297.5	0.0062	0.0002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0013	0.0005	4.296	0.0041	0.0050	-0.0001	-0.0026	-0.0003	0.0250
Stddev	0.0005	0.0011	0.0007	0.0000	0.0002	0.0001	0.0018	0.0001	0.0001
%RSD	42.21	231.0	0.1672	1.165	3.182	63.23	69.93	43.93	0.2051
#1	0.0019	0.0015	4.296	0.0042	0.0049	-0.0002	-0.0008	-0.0004	0.0250
#2	0.0008	-0.0007	4.289	0.0041	0.0052	-0.0001	-0.0044	-0.0001	0.0250
#3	0.0013	0.0006	4.304	0.0041	0.0051	-0.0001	-0.0025	-0.0002	0.0251
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2547.6	5350.3	41153.	3365.6					
Stddev	4.0	3.5	231.	20.0					
%RSD	.15560	.06556	.56118	.59375					
#1	2547.0	5346.7	40887.	3361.4					
#2	2544.0	5353.7	41299.	3348.1					
#3	2551.8	5350.6	41273.	3387.4					

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7.2
7

Sample Name: CCV Acquired: 4/21/2016 13:13:39 Type: QC
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.523	40.44	2.018	2.009	2.016	40.58	2.036	2.035	2.037
Stddev	0.002	0.11	0.003	0.005	0.007	0.05	0.003	0.004	0.003
%RSD	0.0909	0.2832	0.1385	0.2414	0.3641	0.1317	0.1296	0.1769	0.1358
#1	2.526	40.34	2.021	2.004	2.013	40.58	2.035	2.034	2.035
#2	2.523	40.56	2.015	2.013	2.025	40.64	2.033	2.032	2.036
#3	2.521	40.42	2.017	2.009	2.011	40.53	2.038	2.039	2.040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.024	39.49	40.52	40.31	2.055	2.020	40.30	2.035	2.012
Stddev	0.003	0.12	0.08	0.01	0.002	0.005	0.11	0.002	0.005
%RSD	0.1242	0.3060	0.1988	0.0372	0.0746	0.2707	0.2767	0.0968	0.2459
#1	2.027	39.49	40.45	40.32	2.054	2.017	40.17	2.036	2.013
#2	2.023	39.61	40.61	40.30	2.057	2.016	40.37	2.033	2.007
#3	2.022	39.37	40.51	40.32	2.056	2.026	40.36	2.036	2.017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.025	2.030	1.449	2.048	2.004	2.032	2.028	2.016	2.035
Stddev	0.004	0.005	0.001	0.007	0.005	0.002	0.004	0.003	0.002
%RSD	0.2202	0.2378	0.0927	0.3325	0.2405	0.0921	0.1892	0.1318	0.0901
#1	2.030	2.025	1.447	2.045	1.998	2.032	2.032	2.013	2.035
#2	2.021	2.031	1.448	2.043	2.007	2.034	2.024	2.018	2.033
#3	2.026	2.034	1.450	2.056	2.005	2.031	2.028	2.017	2.037
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 4/21/2016 13:13:39 Type: QC
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2570.5	5482.0	42256.	3270.1					
Stddev	6.0	6.6	84.	16.6					
%RSD	0.23488	0.11951	0.19833	0.50719					
#1	2571.1	5483.6	42299.	3266.2					
#2	2576.2	5487.6	42309.	3288.3					
#3	2564.2	5474.8	42159.	3255.8					

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Sample Name: CCB Acquired: 4/21/2016 13:17:50 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	-0.021	0.003	-0.002	-0.002	0.028	0.000	-0.001	-0.001
Stddev	0.004	0.130	0.008	0.002	0.001	0.050	0.000	0.000	0.001
%RSD	99.93	616.9	284.3	122.7	67.10	177.1	295.9	10.66	118.5
#1	-0.002	0.015	0.009	-0.004	0.000	0.066	0.001	-0.001	-0.001
#2	-0.001	-0.165	-0.007	-0.000	-0.002	-0.028	-0.001	-0.001	0.000
#3	-0.008	0.087	0.006	-0.002	-0.002	0.045	-0.001	-0.002	0.000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.000	0.024	-0.740	0.199	-0.003	-0.001	1.069	-0.002	-0.002
Stddev	0.000	0.050	0.836	0.344	0.000	0.003	0.037	0.001	0.004
%RSD	4527.	209.0	113.0	173.3	12.87	325.8	3.432	44.56	173.0
#1	-0.001	0.082	-1.692	0.558	-0.002	0.002	1.093	-0.002	-0.003
#2	0.000	0.000	-0.407	0.167	-0.003	0.000	1.087	-0.002	0.002
#3	0.001	-0.009	-0.121	-0.129	-0.003	-0.005	1.027	-0.004	-0.006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	0.004	0.013	-0.001	-0.002	0.001	-0.002	-0.005	0.001
Stddev	0.004	0.007	0.001	0.002	0.001	0.001	0.013	0.001	0.001
%RSD	112.3	159.9	6.393	325.0	77.35	63.16	666.0	19.71	70.67
#1	0.001	0.006	0.013	0.002	0.000	0.002	-0.014	-0.004	0.001
#2	-0.007	0.010	0.012	-0.001	-0.003	0.001	-0.005	-0.004	0.001
#3	-0.006	-0.003	0.014	-0.002	-0.002	0.001	0.012	-0.005	0.000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/21/2016 13:17:50 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3041.5	5882.0	4526.1	3346.7
Stddev	1.3	5.0	164.	10.8
%RSD	.04218	.08473	.36223	.32336
#1	3042.1	5877.9	45149.	3358.6
#2	3040.0	5887.6	45449.	3337.4
#3	3042.4	5880.6	45185.	3344.2

Sample Name: FA33228-3F Acquired: 4/21/2016 13:22:20 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.527	-0.001	0.029	-0.004	4.681	-0.002	-0.001	0.031
Stddev	0.001	0.059	0.010	0.006	0.001	0.10	0.000	0.000	0.003
%RSD	65.60	11.28	1062.	19.64	30.74	2.047	15.10	52.67	10.29
#1	0.004	0.487	0.008	0.028	-0.004	4.682	-0.002	-0.001	0.034
#2	0.002	0.596	-0.012	0.035	-0.003	4.690	-0.002	-0.000	0.028
#3	0.001	0.499	0.001	0.024	-0.006	4.671	-0.002	-0.001	0.030

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.298	4.245	1.180	1.066	0.101	0.654	F 189.6	0.098	0.002
Stddev	0.002	0.073	0.21	0.35	0.002	0.003	1.1	0.002	0.007
%RSD	8278.	1.724	1.780	3.249	1.577	3.940	5.835	1.790	337.9
#1	0.300	4.184	1.182	1.102	0.099	0.652	188.5	0.099	0.000
#2	0.299	4.226	1.158	1.064	0.102	0.657	190.7	0.096	-0.004
#3	0.295	4.326	1.200	1.033	0.100	0.655	189.5	0.099	0.009

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.007	-0.005	2.469	0.022	0.018	-0.002	-0.032	-0.002	0.089
Stddev	0.007	0.029	0.07	0.001	0.005	0.001	0.016	0.002	0.001
%RSD	97.08	603.1	2.905	5.301	5.026	28.47	50.60	96.90	6.699
#1	0.007	-0.032	2.462	0.023	0.016	-0.002	-0.019	-0.003	0.090
#2	0.000	-0.008	2.470	0.022	0.015	-0.003	-0.028	0.000	0.088
#3	0.013	0.026	2.476	0.021	0.024	-0.002	-0.051	-0.004	0.089

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2560.4	5360.5	4089.9	3205.6
Stddev	2.4	8.2	146.	6.4
%RSD	0.9189	1.5362	3.5699	1.9853
#1	2558.2	5369.1	40967.	3198.4
#2	2562.9	5360.0	40731.	3208.0
#3	2560.1	5352.6	40998.	3210.4

Sample Name: FA33228-4F Acquired: 4/21/2016 13:26:55 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	2.048	-0.005	0.022	-0.005	5.651	0.000	-0.001	0.030
Stddev	0.001	0.143	0.003	0.004	0.001	0.17	0.000	0.001	0.000
%RSD	15.05	7.002	49.61	18.09	14.81	3.040	364.7	121.9	2.202
#1	0.005	2.160	-0.008	0.022	-0.006	5.657	0.000	-0.002	0.030
#2	0.005	1.886	-0.005	0.025	-0.005	5.632	0.000	-0.002	0.030
#3	0.007	2.097	-0.003	0.017	-0.004	5.664	0.000	0.000	0.030

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.411	1.065	1.689	1.251	0.059	2.348	F 353.0	0.085	-0.006
Stddev	0.002	0.06	0.42	0.12	0.000	0.004	3.4	0.002	0.010
%RSD	5.445	5.645	2.469	9.377	5.664	1.576	9.677	2.158	184.4
#1	0.409	1.060	1.641	1.247	0.059	2.352	356.8	0.084	0.003
#2	0.409	1.064	1.716	1.264	0.059	2.345	352.1	0.087	-0.017
#3	0.413	1.072	1.709	1.242	0.059	2.347	350.1	0.084	-0.003

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.006	-0.008	3.082	0.053	0.1045	0.006	-0.039	0.008	0.142
Stddev	0.006	0.024	0.03	0.004	0.005	0.000	0.012	0.001	0.000
%RSD	101.9	287.7	1.117	6.799	4.403	6.320	30.46	9.708	2.764
#1	0.013	-0.006	3.083	0.057	0.1047	0.006	-0.034	0.008	0.142
#2	0.001	-0.034	3.078	0.050	0.1047	0.006	-0.031	0.009	0.142
#3	0.004	0.015	3.085	0.053	0.1039	0.005	-0.053	0.008	0.141

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2478.9	5298.1	4021.1	3258.4
Stddev	2.3	9.7	87.	9.3
%RSD	0.9255	1.8303	2.1560	2.8503
#1	2479.7	5304.4	40284.	3247.8
#2	2480.7	5302.9	40116.	3265.0
#3	2476.3	5286.9	40234.	3262.4

Sample Name: FA33527-1 Acquired: 4/21/2016 13:31:29 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	2.375	-0.004	0.885	-0.004	65.74	-0.003	0.015	0.043
Stddev	.0005	.007	.0003	.0007	.0001	.24	.0000	.0001	.0001
%RSD	491.2	2.766	63.49	8.360	12.83	3.598	1.602	8.611	2.669
#1	-.0006	2.381	-.0007	.0886	-.0005	65.98	-.0003	.0016	.0042
#2	.0003	2.367	-.0002	.0892	-.0004	65.73	-.0003	.0014	.0044
#3	.0000	2.376	-.0004	.0877	-.0004	65.51	-.0003	.0016	.0042
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.022	2.771	6.808	19.29	0.960	-0.005	12.07	0.042	0.009
Stddev	.0001	.005	.057	.05	.0002	.0001	.01	.0002	.0009
%RSD	5.548	1.663	8.353	2.839	2.484	26.86	0.901	5.172	95.64
#1	.0021	2.770	6.865	19.35	0.959	-0.004	12.08	0.041	0.007
#2	.0022	2.776	6.807	19.26	0.963	-0.007	12.07	0.044	0.018
#3	.0023	2.767	6.751	19.26	0.959	-0.006	12.06	0.040	0.002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(In2306)
Avg	-0.003	-0.004	4.081	0.002	0.982	0.382	-0.014	0.026	0.183
Stddev	.0002	.0009	.004	.0002	.0020	.0002	.0008	.0001	.0000
%RSD	65.36	237.1	1.023	96.77	2.906	4.552	55.20	2.810	2.623
#1	-.0001	.0000	4.079	.0003	.6969	0.380	-.0022	.0025	.0183
#2	-.0005	.0003	4.079	.0003	.7005	0.384	-.0009	.0026	.0183
#3	-.0002	-.0015	4.086	.0000	.6970	0.381	-.0010	.0026	.0184
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2764.6	5588.5	43302.	3311.3					
Stddev	3.7	3.1	231.	23.6					
%RSD	.13537	.05509	.53257	.71235					
#1	2761.8	5588.5	43516.	3284.1					
#2	2768.8	5591.5	43058.	3324.1					
#3	2763.1	5585.3	43334.	3325.7					

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Sample Name: MP30261-MB2A Acquired: 4/21/2016 13:35:53 Type: QC
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.002	-0.105	-0.008	-0.006	-0.005	0.016	-0.002	-0.005	-0.004
Stddev	.0003	.0041	.0010	.0002	.0001	.0052	.0000	.0001	.0001
%RSD	124.0	38.99	129.9	39.79	12.63	325.3	16.11	18.47	27.32
#1	.0001	-.0074	-.0011	-.0008	-.0005	-.0028	-.0002	-.0004	-.0004
#2	.0001	-.0151	-.0016	-.0005	-.0004	-.0002	-.0003	-.0005	-.0003
#3	.0006	-.0090	.0003	-.0004	-.0005	.0074	-.0002	-.0006	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	-0.171	0.857	0.084	-0.005	-0.018	1.861	-0.006	-0.007
Stddev	.0000	.0012	.0329	.0227	.0000	.0001	.0167	.0001	.0008
%RSD	17.01	7.054	38.43	271.1	7.126	4.190	8.957	18.80	107.4
#1	-.0003	-.0163	1.227	.0222	-.0005	-.0017	1.960	-.0005	-.0015
#2	-.0002	-.0165	.0595	.0207	-.0006	-.0019	1.669	-.0006	.0000
#3	-.0003	-.0185	.0749	-.0178	-.0005	-.0018	1.954	-.0007	-.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.003	0.101	-0.006	-0.004	-0.017	-0.012	-0.008	0.0091
Stddev	.0006	.0014	.0002	.0002	.0000	.0001	.0002	.0003	.0000
%RSD	532.2	517.2	2.215	29.00	10.42	3.649	15.46	30.64	1.779
#1	.0005	.0009	.0100	-.0006	-.0005	-.0016	-.0012	-.0008	.0091
#2	-.0006	-.0013	.0103	-.0005	-.0005	-.0018	-.0014	-.0011	.0092
#3	-.0003	.0012	.0099	-.0008	-.0004	-.0017	-.0010	-.0006	.0091
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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7.2
7

Sample Name: MP30261-MB2A Acquired: 4/21/2016 13:35:53 Type: QC
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3017.0	5839.6	46029.	3391.3
Stddev	4.2	4.2	145.	22.7
%RSD	.14077	.07125	.31510	.67030
#1	3015.0	5844.3	45889.	3373.0
#2	3014.2	5837.9	46019.	3384.2
#3	3021.9	5836.5	46179.	3416.8

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Sample Name: CRIA Acquired: 4/21/2016 13:40:24 Type: QC
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.092	0.2037	0.092	2.089	0.047	1.074	0.052	0.538	0.102
Stddev	.0004	.0056	.0011	.0010	.0001	.007	.0000	.0001	.0002
%RSD	4.439	2.750	11.62	4.947	2.187	6.372	5.760	1.347	1.929
#1	.0088	.2100	.0088	.2100	.0047	1.078	.0052	.0538	.0101
#2	.0091	.2015	.0103	.2089	.0048	1.078	.0052	.0539	.0102
#3	.0096	.1995	.0083	.2079	.0046	1.066	.0052	.0538	.0105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.273	0.3013	10.36	5.279	0.159	0.484	10.38	0.430	0.052
Stddev	.0002	.0037	.05	.062	.0000	.0002	.04	.0001	.0009
%RSD	.7823	1.230	4629	1.180	.2113	.3647	.3384	.3053	17.05
#1	.0274	.3043	10.41	5.313	.0159	.0484	10.42	.0429	.0058
#2	.0275	.3024	10.33	5.317	.0158	.0482	10.37	.0431	.0042
#3	.0271	.2971	10.33	5.207	.0159	.0485	10.35	.0429	.0055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.041	0.098	0.120	0.536	0.098	0.088	0.094	0.490	0.227
Stddev	.0004	.0019	.0002	.0005	.0001	.0001	.0010	.0003	.0001
%RSD	9.896	19.85	1.258	1.019	.5889	1.242	10.24	.5567	.5770
#1	.0037	.0076	.0121	.0534	.0099	.0088	.0093	.0492	.0226
#2	.0042	.0111	.0119	.0532	.0098	.0087	.0104	.0491	.0229
#3	.0045	.0107	.0118	.0543	.0098	.0089	.0085	.0487	.0226
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CRIA Acquired: 4/21/2016 13:40:24 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2928.2	5827.5	44869.	3412.4
Stddev	6.1	.6	114.	28.5
%RSD	.20841	.01033	.25375	.83618

#1	2930.9	5828.1	44981.	3403.5
#2	2921.3	5827.4	44873.	3389.3
#3	2932.6	5826.9	44754.	3444.3

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Sample Name: FA33214-3 Acquired: 4/21/2016 13:44:48 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 250.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.129	-1.369	-0.156	-1.372	-1.228	825.4	-0.653	-0.089	-1.392
Stddev	.0853	1.531	.1638	.0442	.0183	2.0	.0085	.0207	.0444
%RSD	660.3	111.9	1047.	32.23	14.89	.2406	13.07	23.00	31.90

#1	-0.077	.3855	.0010	-.0912	-.1439	824.6	-.0655	-.0752	-.0910
#2	-1.007	-2.057	-.1872	-1.411	-1.133	823.9	-.0738	-.0809	-.1785
#3	.0697	-2.435	.1392	-1.794	-1.112	827.7	-.0567	-1.135	-1.480

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.184	-3.922	29.64	144.2	-1.169	-2.596	1096.0	-1.142	-1.302
Stddev	.0456	.650	18.38	7.2	.0070	.0289	60.	.0756	.2511
%RSD	248.2	16.57	62.02	4.973	5.968	11.14	.5438	66.21	192.9

#1	-.0706	-3.230	46.20	136.5	-.1118	-.2612	1091.0	-.0780	-.2465
#2	.0131	-4.520	32.87	150.7	-.1141	-.2299	1093.0	-.0635	-.3021
#3	.0024	-4.014	9.857	145.3	-.1249	-.2877	1103.0	-.2011	-.1580

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0704	-1.534	4.218	-0.093	11.87	-3.718	.0241	-1.631	1.935
Stddev	.1870	.2759	.030	.0477	.06	.0050	.1647	.0353	.027
%RSD	265.8	179.9	.7189	48.03	4.788	1.348	683.1	21.61	1.400

#1	.2093	.0507	4.183	-.1377	11.87	-.3664	.2002	-.1853	1.904
#2	.1440	-.0435	4.240	-.1144	11.82	-.3729	-.0018	-.1225	1.953
#3	-.1423	-.4672	4.231	-.0459	11.93	-.3762	-.1261	-.1816	1.947

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2841.4	5726.8	43862.	3358.8
Stddev	9.2	10.7	113.	12.0
%RSD	.32378	.18638	.25723	.35674

#1	2841.1	5727.3	43873.	3368.6
#2	2850.8	5737.3	43745.	3362.2
#3	2832.4	5715.9	43970.	3345.4

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7.2
7

Sample Name: MP30262-MB1 Acquired: 4/21/2016 13:49:17 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	-0.159	-0.032	-0.010	-0.005	.040	-0.004	-0.005	.000
Stddev	.0004	.0065	.0003	.0002	.0001	.0038	.0000	.0001	.000
%RSD	243.5	40.70	8.549	24.79	14.13	94.08	4.738	17.31	2232.

#1	.0000	-.0195	-.0031	-.0011	-.0005	.0026	-.0003	-.0006	.0002
#2	-.0007	-.0199	-.0036	-.0007	-.0004	.0083	-.0003	-.0004	-.0003
#3	.0001	-.0084	-.0031	-.0011	-.0005	.0011	-.0004	-.0005	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	-0.092	.0724	.0191	-0.004	-0.017	.1461	-0.005	-0.002
Stddev	.0001	.0024	.0536	.0153	.0000	.0001	.0123	.0001	.0002
%RSD	53.97	25.58	74.06	79.93	1.535	4.907	8.425	22.30	94.24

#1	-.0004	-.0066	.1331	.0343	-.0004	-.0018	.1513	-.0005	-.0004
#2	-.0002	-.0111	.0524	.0195	-.0004	-.0017	.1321	-.0003	-.0002
#3	-.0001	-.0099	.0316	.0037	-.0004	-.0016	.1550	-.0005	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0014	.0140	.0214	-0.006	-0.014	-0.003	-0.009	.0004
Stddev	.0001	.0008	.0002	.0004	.0001	.0001	.0013	.0002	.0001
%RSD	14.55	56.15	1.624	2.035	22.23	7.769	43.07	21.61	16.35

#1	.0004	.0007	.0140	.0211	-.0007	-.0013	-.0016	-.0007	.0003
#2	.0005	.0013	.0137	.0213	-.0005	-.0015	-.0039	-.0012	.0004
#3	.0006	.0023	.0142	.0219	-.0005	-.0015	-.0039	-.0009	.0004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Raw Data MA13104 page 79 of 152

Sample Name: MP30262-MB1 Acquired: 4/21/2016 13:49:17 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2970.5	5719.8	45180.	3331.8
Stddev	3.1	2.9	46.	41.6
%RSD	.10468	.05039	.10156	1.2486

#1	2972.0	5719.1	45194.	3310.0
#2	2966.9	5717.3	45128.	3305.8
#3	2972.5	5722.9	45217.	3379.8

Raw Data MA13104 page 80 of 152

Sample Name: MP30262-B1 Acquired: 4/21/2016 13:53:48 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0478	27.60	1.998	2.106	.0533	26.43	.0521	.5220	.2121
Stddev	.0006	.03	.004	.005	.0002	.01	.0002	.0008	.0004
%RSD	1.303	.1066	.1749	.2466	.3093	.0419	.3844	.1473	.1954
#1	.0478	27.60	1.998	2.110	.0531	26.42	.0523	.5218	.2125
#2	.0472	27.63	1.994	2.100	.0533	26.44	.0522	.5213	.2120
#3	.0485	27.57	2.001	2.107	.0534	26.42	.0519	.5228	.2117

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2679	27.04	25.44	25.66	.5401	.5107	25.64	.5270	.4967
Stddev	.0014	.04	.05	.04	.0007	.0008	.02	.0008	.0020
%RSD	.5097	.1326	.2135	.1639	.1233	.1561	.0623	.1559	.4065
#1	.2668	27.05	25.45	25.69	.5407	.5107	25.62	.5260	.4950
#2	.2675	27.00	25.49	25.68	.5394	.5099	25.65	.5274	.4989
#3	.2695	27.07	25.38	25.61	.5401	.5115	25.64	.5275	.4961

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5029	2.020	.0226	.5379	.4994	.5135	1.981	.5035	.5227
Stddev	.0017	.04	.0005	.0013	.0015	.0001	.002	.0008	.0006
%RSD	.3466	.1797	2.053	.2459	.2972	.0276	.0962	.1624	.1078
#1	.5024	2.020	.0230	.5364	.4979	.5136	1.980	.5040	.5222
#2	.5015	2.024	.0221	.5390	.4995	.5133	1.980	.5040	.5233
#3	.5049	2.017	.0226	.5384	.5008	.5133	1.983	.5025	.5227

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30262-B1 Acquired: 4/21/2016 13:53:48 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2680.7	5556.1	42926.	3294.1
Stddev	2.8	12.7	31.	11.2
%RSD	.10521	.22778	.07119	.33945
#1	2681.5	5563.8	42946.	3285.7
#2	2683.1	5563.1	42940.	3289.8
#3	2677.6	5541.5	42891.	3306.8

Sample Name: FA33230-10 Acquired: 4/21/2016 13:58:01 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0013	13.83	.0189	.1341	.0008	F 2402.	.0027	.0055	.0977
Stddev	.0006	.07	.0007	.0004	.0001	39.	.0000	.0003	.0005
%RSD	47.56	5.131	3.824	3.191	12.21	1.632	1.629	5.148	.5339
#1	.0019	13.74	.0181	.1345	.0008	2357.	.0028	.0051	.0983
#2	.0015	13.88	.0190	.1341	.0007	2418.	.0027	.0056	.0974
#3	.0007	13.85	.0196	.1337	.0009	2430.	.0027	.0056	.0974

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2095	24.37	.8449	11.01	.2228	.0081	8.369	.0326	.2254
Stddev	.0011	.03	.0140	.02	.0003	.0003	.054	.0002	.0008
%RSD	.5286	.1408	1.657	.2257	.1187	3.214	.6419	.4848	.3403
#1	.2104	24.33	.8310	10.99	.2230	.0083	8.308	.0324	.2245
#2	.2097	24.40	.8590	11.04	.2229	.0082	8.389	.0327	.2259
#3	.2083	24.37	.8447	10.99	.2225	.0078	8.410	.0326	.2258

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0026	.0184	1.038	.0151	F 8.893	.2856	.0053	.0804	.3271
Stddev	.0014	.0028	.005	.0004	.060	.0005	.0017	.0007	.0009
%RSD	54.74	15.01	.5183	2.543	.6752	.1589	31.43	.8336	.2880
#1	-.0041	.0161	1.038	.0149	8.884	.2859	.0071	.0809	.3269
#2	-.0012	.0215	1.033	.0156	8.957	.2858	.0038	.0805	.3263
#3	-.0025	.0177	1.044	.0149	8.838	.2850	.0051	.0796	.3282

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2020.0	5143.7	39789.	3411.4
Stddev	1.6	15.0	42.	17.5
%RSD	.07915	.29153	.10576	.51199
#1	2021.5	5150.3	39834.	3430.8
#2	2020.1	5154.4	39751.	3406.3
#3	2018.3	5126.6	39780.	3397.0

Sample Name: MP30262-D1 Acquired: 4/21/2016 14:02:37 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0039	26.97	.0250	.1944	.0023	F 2309.	.0025	.0098	.1197
Stddev	.0004	.08	.0007	.0013	.0001	16.	.0001	.0002	.0002
%RSD	11.02	.3061	2.971	.6463	4.972	.7120	2.004	1.755	.1375
#1	.0044	26.98	.0255	.1935	.0021	2326.	.0025	.0098	.1196
#2	.0037	26.88	.0253	.1937	.0023	2307.	.0025	.0096	.1197
#3	.0036	27.04	.0241	.1958	.0024	2293.	.0024	.0099	.1199

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3212	41.31	1.242	13.07	.3736	.0098	9.185	.0396	.3328
Stddev	.0014	.22	.025	.01	.0010	.0003	.076	.0003	.0004
%RSD	.4403	.5279	2.039	.0641	.2557	2.630	.8328	.7119	.1170
#1	.3219	41.26	1.215	13.07	.3738	.0098	9.121	.0398	.3332
#2	.3196	41.12	1.265	13.06	.3726	.0100	9.164	.0393	.3324
#3	.3222	41.55	1.246	13.08	.3745	.0095	9.269	.0398	.3328

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0025	.0181	1.278	.0148	F 8.492	.9277	.0055	.0988	.6831
Stddev	.0012	.0013	.003	.0002	.112	.0016	.0024	.0001	.0009
%RSD	48.23	7.066	.2305	1.328	1.314	.1715	43.79	.0791	.1253
#1	-.0035	.0186	1.276	.0146	8.476	.9291	.0075	.0987	.6833
#2	-.0028	.0167	1.276	.0148	8.389	.9260	.0028	.0988	.6822
#3	-.0012	.0191	1.281	.0150	8.611	.9282	.0060	.0989	.6838

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2012.1	5282.0	40943.	3491.9
Stddev	2.1	14.1	211.	22.1
%RSD	.10674	.26778	.51484	.63214
#1	2012.4	5279.4	40706.	3473.8
#2	2014.1	5297.2	41110.	3516.5
#3	2009.9	5269.3	41014.	3485.3

Sample Name: CCV Acquired: 4/21/2016 14:07:13 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2519	40.16	1.998	2.011	1.996	40.97	2.015	2.015	2.005
Stddev	.0007	.05	.003	.007	.003	.07	.003	.002	.005
%RSD	.2943	.1165	.1254	.3749	.1275	.1673	.1561	.0775	.2434

#1	.2515	40.13	1.995	2.009	1.993	41.00	2.015	2.014	2.009
#2	.2514	40.13	2.000	2.005	1.995	41.02	2.018	2.017	1.999
#3	.2527	40.21	1.999	2.020	1.998	40.89	2.012	2.014	2.006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.017	39.10	40.70	40.07	2.019	1.996	40.27	2.015	1.992
Stddev	.007	.05	.02	.20	.004	.003	.03	.002	.009
%RSD	.3743	.1202	.0610	.5014	.2247	.1685	.0836	.1182	.4356

#1	2.020	39.07	40.68	39.92	2.021	1.996	40.24	2.014	1.993
#2	2.008	39.08	40.72	40.30	2.013	1.999	40.27	2.018	2.000
#3	2.022	39.16	40.72	39.99	2.021	1.992	40.31	2.013	1.983

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.009	2.017	1.438	2.030	1.988	2.003	2.016	1.990	2.009
Stddev	.005	.004	.002	.002	.005	.004	.010	.003	.004
%RSD	.2339	.1899	.1057	.0794	.2700	.1866	.4958	.1492	.1824

#1	2.004	2.013	1.436	2.031	1.989	2.005	2.026	1.994	2.008
#2	2.013	2.020	1.438	2.031	1.982	1.999	2.014	1.989	2.013
#3	2.010	2.019	1.439	2.028	1.993	2.006	2.006	1.988	2.006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/21/2016 14:07:13 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2603.3	5563.5	43114.	3309.2
Stddev	5.2	6.9	96.	11.3
%RSD	.19858	.12317	.22339	.34047

#1	2601.9	5571.2	43003.	3320.7
#2	2599.1	5558.4	43176.	3298.1
#3	2609.1	5560.7	43164.	3308.7

Sample Name: CCB Acquired: 4/21/2016 14:11:24 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.0059	-0.0001	-0.0003	-0.0002	.0637	-0.0001	-0.0002	-0.0002
Stddev	.0009	.0053	.0006	.0002	.0001	.0075	.0000	.0001	.0002
%RSD	3011.	89.69	396.0	45.83	53.68	11.85	38.48	44.48	65.29

#1	-0.0006	-0.0075	-0.0006	-0.0002	-0.0001	.0720	-0.0001	-0.0001	-0.0004
#2	-0.0004	-0.0102	.0005	-0.0004	-0.0002	.0619	-0.0001	-0.0002	-0.0002
#3	.0010	.0000	-0.0004	-0.0005	-0.0004	.0572	-0.0001	-0.0002	-0.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	-0.0013	.1000	.0115	-0.0003	-0.0002	.1221	-0.0001	-0.0004
Stddev	.0002	.0018	.0631	.0183	.0000	.0002	.0041	.0001	.0004
%RSD	64.12	135.1	63.09	159.1	7.611	98.19	3.398	135.8	107.3

#1	-0.0002	.0007	.0401	-.0056	-.0003	.0000	.1263	.0000	-.0009
#2	-0.0002	-0.0021	.0940	.0093	-0.0003	-0.0003	.1220	-0.0002	-0.0003
#3	-0.0006	-0.0027	.1659	.0308	-0.0004	-0.0004	.1180	-0.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0014	.0013	-0.0005	-0.0001	-0.0007	-0.0007	-0.0004	.0001
Stddev	.0005	.0020	.0001	.0003	.0000	.0001	.0006	.0002	.0000
%RSD	251.6	151.4	9.835	63.85	74.37	15.44	79.04	40.83	19.05

#1	-0.0003	-0.0009	.0014	-.0002	.0000	-0.0006	-0.0001	-0.0005	.0001
#2	.0007	.0032	.0012	-.0008	.0000	-0.0008	-0.0011	-0.0002	.0001
#3	.0002	.0017	.0012	-0.0004	-0.0001	-0.0008	-0.0010	-0.0004	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/21/2016 14:11:24 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3001.0	5769.8	44971.	3313.8
Stddev	3.8	9.1	329.	31.0
%RSD	.12736	.15783	.73116	.93633

#1	3003.1	5762.8	45169.	3314.8
#2	2996.6	5766.4	45152.	3344.3
#3	3003.4	5780.1	44591.	3282.2

Sample Name: MP30262-SD1 Acquired: 4/21/2016 14:15:55 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	15.56	.0146	.1467	-0.0009	F 3079.	.0023	.0056	.1123
Stddev	.0042	.22	.0023	.0014	.0005	58.	.0002	.0002	.0004
%RSD	2578.	1.422	15.57	.9844	58.73	1.887	8.650	3.370	.3455
#1	.0046	15.80	.0157	.1483	-.0010	3145.	.0025	.0057	.1124
#2	-.0037	15.37	.0161	.1464	-.0014	3038.	.0021	.0054	.1126
#3	-.0004	15.49	.0120	.1454	-.0003	3053.	.0023	.0056	.1118
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.2311	28.37	.8016	13.24	.2581	.0046	9.446	.0382	.2268
Stddev	.0006	.15	.1120	.09	.0020	.0008	.072	.0004	.0041
%RSD	.2674	.5416	13.97	.6499	.7631	16.66	.7597	1.176	1.792
#1	.2314	28.55	.9283	13.14	.2599	.0048	9.528	.0386	.2312
#2	.2316	28.30	.7159	13.29	.2583	.0053	9.418	.0382	.2232
#3	.2304	28.27	.7605	13.29	.2560	.0038	9.393	.0377	.2260
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	-.0140	.0369	1.132	.0173	10.12	.3364	.0023	.0880	.4222
Stddev	.0054	.0058	.003	.0007	.05	.0009	.0073	.0016	.0018
%RSD	38.62	15.72	.2466	3.825	.5018	.2709	318.1	1.778	4.368
#1	-.0159	.0359	1.133	.0174	10.17	.3374	.0104	.0871	.4234
#2	-.0182	.0317	1.133	.0166	10.10	.3360	.0003	.0872	.4231
#3	-.0079	.0432	1.128	.0179	10.07	.3357	-.0038	.0898	.4200
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2406.4	5260.4	4051.0	3235.1					
Stddev	10.4	14.0	157.	31.4					
%RSD	.43363	.26627	.38830	.97110					
#1	2396.3	5250.1	40344.	3202.7					
#2	2405.8	5254.8	40657.	3265.5					
#3	2417.1	5276.4	40528.	3237.3					

Sample Name: MP30262-PS1 Acquired: 4/21/2016 14:20:26 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0534	16.18	.1263	.3884	.0471	F 2384.	.0485	.0507	.1433
Stddev	.0005	.04	.0005	.0005	.0003	11.	.0002	.0001	.0007
%RSD	.8484	.2275	.3591	.1224	.5974	4.506	.4201	.1231	.4824
#1	.0539	16.21	.1258	.3879	.0472	2396.	.0484	.0506	.1431
#2	.0531	16.14	.1265	.3887	.0468	2375.	.0485	.0506	.1427
#3	.0531	16.20	.1266	.3887	.0474	2380.	.0488	.0507	.1440
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.3126	26.87	11.42	15.19	.2674	.1018	18.47	.1208	.2773
Stddev	.0007	.08	.04	.07	.0011	.0004	.02	.0007	.0001
%RSD	.2258	.2878	.3378	.4558	.4034	.3615	.1009	.5474	.0302
#1	.3123	26.87	11.38	15.26	.2669	.1019	18.45	.1202	.2773
#2	.3121	26.80	11.46	15.12	.2668	.1014	18.48	.1208	.2773
#3	.3134	26.95	11.42	15.20	.2687	.1021	18.49	.1215	.2772
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.1051	.1235	1.051	.0584	F 3.748	.0105	.1259	.5580	.5580
Stddev	.0029	.0011	.004	.0007	.118	.0007	.0020	.0002	.0019
%RSD	2.791	.8746	.4081	1.140	1.352	1.736	1.932	1.452	.3473
#1	.1020	.1235	1.046	.0591	8.770	.3776	.1019	.1259	.5569
#2	.1078	.1225	1.053	.0579	8.620	.3786	.1033	.1256	.5569
#3	.1056	.1247	1.054	.0580	8.854	.3788	.0994	.1260	.5602
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1990.4	5059.3	39428.	3384.0					
Stddev	3.3	4.8	51.	11.1					
%RSD	.16497	.09481	.12957	.32931					
#1	1989.4	5063.5	39370.	3383.3					
#2	1987.7	5054.1	39446.	3395.5					
#3	1994.1	5060.3	39467.	3373.2					

Sample Name: MP30262-S1 Acquired: 4/21/2016 14:25:00 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0524	40.88	2.038	2.097	.0471	F 2541.	.0466	.4358	.2793
Stddev	.0003	.16	.004	.012	.0003	26.	.0003	.0007	.0011
%RSD	.5794	.3806	.1834	.5585	.6659	1.018	.6707	1.674	.4044
#1	.0521	40.86	2.035	2.092	.0468	2531.	.0467	.4364	.2798
#2	.0526	41.05	2.037	2.110	.0474	2570.	.0463	.4350	.2780
#3	.0526	40.74	2.042	2.089	.0473	2521.	.0469	.4360	.2800
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.4754	51.71	26.86	31.84	.7145	.4421	34.92	4.679	.7775
Stddev	.0011	.21	.04	.23	.0055	.0014	.16	.0010	.0033
%RSD	.2295	.4039	.1313	.7139	.7754	.3235	.4441	2.132	.4289
#1	.4752	51.73	26.82	31.81	.7193	.4417	34.80	4.691	.7809
#2	.4766	51.91	26.88	32.08	.7084	.4409	35.09	4.676	.7774
#3	.4744	51.49	26.88	31.63	.7157	.4437	34.86	4.671	.7743
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.2547	2.043	1.655	.4362	F 9.487	.7840	1.922	.5305	.8425
Stddev	.0002	.005	.002	.0011	.125	.0030	.003	.0042	.0027
%RSD	.0817	.2532	.1416	.2616	1.314	.3876	.1444	.7824	.3229
#1	.2549	2.043	1.654	.4367	9.470	.7874	1.919	.5353	.8457
#2	.2547	2.038	1.653	.4349	9.620	.7816	1.923	.5279	.8410
#3	.2545	2.049	1.657	.4371	9.372	.7830	1.925	.5284	.8409
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1944.2	5066.1	39575.	3369.5					
Stddev	2.2	10.5	223.	22.9					
%RSD	.11514	.20701	.56467	.68087					
#1	1945.0	5072.4	39328.	3370.8					
#2	1946.0	5071.9	39764.	3346.0					
#3	1941.7	5054.0	39633.	3391.8					

Sample Name: MP30262-S2 Acquired: 4/21/2016 14:29:30 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0517	48.82	1.973	F 4.422	.0477	F 2424.	.0457	.4288	.3159
Stddev	.0011	.24	.006	.023	.0002	3.	.0002	.0006	.0023
%RSD	2.145	.4845	.3293	51.38	.3619	.1337	.3920	.1358	.7367
#1	.0529	48.55	1.973	4.396	.0478	2421.	.0457	.4293	.3132
#2	.0507	48.91	1.966	4.430	.0476	2423.	.0455	.4281	.3172
#3	.0516	49.00	1.979	4.439	.0479	2428.	.0458	.4288	.3173
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.5395	58.93	27.08	32.45	.7786	.4331	35.22	4.696	.7775
Stddev	.0005	.11	.15	.13	.0031	.0012	.22	.0014	.0039
%RSD	.0957	.1906	.5717	.3887	.3962	.2792	.6355	.2898	.5048
#1	.5392	58.81	26.96	32.33	.7751	.4342	34.97	4.702	.7733
#2	.5401	58.95	27.03	32.45	.7797	.4318	35.33	4.680	.7779
#3	.5392	59.03	27.25	32.58	.7810	.4333	35.38	4.705	.7812
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.2135	1.980	1.618	.4261	F 9.370	2.043	1.906	.5215	.9792
Stddev	.0026	.010	.004	.0022	.129	.004			

Sample Name: FA33230-1 Acquired: 4/21/2016 14:34:01 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	15.78	0.438	0.863	0.019	50.33	0.023	0.0037	1.523
Stddev	0.0005	0.05	0.0005	0.0003	0.0000	0.11	0.0000	0.0000	0.0008
%RSD	202.0	3387	1.078	3237	1.521	2263	1.228	1.094	4981
#1	-0.007	15.75	0.435	0.866	0.019	50.24	0.022	0.0037	1.515
#2	-0.003	15.74	0.436	0.861	0.019	50.46	0.023	0.0037	1.530
#3	0.003	15.84	0.443	0.862	0.019	50.31	0.023	0.0037	1.523
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0384	51.27	6.248	2.830	2.451	-0.006	4.751	0.137	0.539
Stddev	0.0001	0.06	0.172	0.029	0.0005	0.0001	0.138	0.0001	0.0005
%RSD	3667	1203	2.746	1.035	2.118	18.84	2.904	1.001	9083
#1	0.0384	51.20	6.402	2.806	2.446	-0.006	4.878	0.139	0.540
#2	0.0386	51.29	6.280	2.862	2.457	-0.005	4.770	0.137	0.534
#3	0.0384	51.31	6.063	2.822	2.451	-0.007	4.604	0.136	0.544
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.004	0.012	9.558	0.134	4.310	2.984	-0.031	0.633	0.383
Stddev	0.0012	0.0006	0.021	0.0003	0.019	0.011	0.014	0.0001	0.0001
%RSD	277.1	51.74	2.202	2.444	4.320	3.789	44.55	1.711	3.655
#1	0.0001	0.012	9.543	0.138	4.299	2.972	-0.043	0.632	0.382
#2	-0.0018	0.017	9.582	0.131	4.299	2.987	-0.016	0.633	0.385
#3	0.0004	0.005	9.549	0.134	4.331	2.994	-0.033	0.634	0.383
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2757.5	6502.2	50467.	3717.2					
Stddev	1.9	3.0	92.	16.8					
%RSD	0.06944	0.04576	1.8273	4.5180					
#1	2758.8	6505.4	50556.	3734.9					
#2	2758.5	6499.6	50474.	3701.5					
#3	2755.3	6501.4	50372.	3715.2					

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7.2
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Sample Name: FA33230-2 Acquired: 4/21/2016 14:38:22 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	11.92	0.336	0.655	0.014	31.68	0.013	0.0027	1.134
Stddev	0.0003	0.04	0.0005	0.0001	0.0000	0.02	0.0000	0.0001	0.0003
%RSD	122.3	3318	1.524	1.236	2.343	0.675	3.110	4.350	2213
#1	0.001	11.94	0.341	0.656	0.014	31.71	0.013	0.0027	1.131
#2	-0.005	11.87	0.332	0.656	0.014	31.68	0.013	0.0029	1.134
#3	-0.003	11.94	0.334	0.655	0.014	31.66	0.014	0.0026	1.136
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0288	39.06	5.662	2.150	1.931	-0.009	3.609	0.096	0.387
Stddev	0.0002	0.12	0.164	0.025	0.0002	0.0001	0.144	0.0002	0.0003
%RSD	6963	3070	2.903	1.143	0.846	7.063	4.003	2.193	6583
#1	0.0289	39.16	5.554	2.159	1.933	-0.008	3.754	0.097	0.387
#2	0.0286	38.93	5.581	2.169	1.931	-0.009	3.465	0.098	0.384
#3	0.0290	39.09	5.581	2.122	1.929	-0.010	3.606	0.094	0.389
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.002	-0.003	8.250	0.138	2.940	2.570	-0.032	0.483	0.294
Stddev	0.0003	0.0015	0.017	0.0003	0.008	0.003	0.014	0.0001	0.0001
%RSD	136.1	518.7	2.104	2.235	2.804	1.133	43.00	2.836	4514
#1	0.0000	-0.0019	8.230	0.141	2.949	2.572	-0.016	0.483	0.293
#2	0.0001	0.011	8.260	0.135	2.933	2.572	-0.039	0.485	0.293
#3	0.0006	0.000	8.260	0.139	2.938	2.567	-0.041	0.482	0.296
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2808.0	6312.7	49209.	3674.6					
Stddev	4.2	5.0	154.	10.1					
%RSD	0.14828	0.07855	3.1355	2.7377					
#1	2803.5	6307.0	49348.	3685.3					
#2	2811.7	6316.3	49043.	3673.3					
#3	2808.8	6314.7	49236.	3665.3					

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Sample Name: FA33230-14 Acquired: 4/21/2016 14:42:43 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0034	20.72	0.091	2.124	0.011	1026.	0.044	0.051	1.186
Stddev	0.0004	0.03	0.0005	0.007	0.0001	8.	0.0000	0.0002	0.0002
%RSD	12.71	1.635	5.916	3.221	5.382	7.568	0.928	3.169	1.964
#1	0.0037	20.72	0.086	2.117	0.012	1020.	0.044	0.049	1.188
#2	0.0029	20.68	0.090	2.130	0.011	1035.	0.044	0.052	1.187
#3	0.0035	20.75	0.097	2.124	0.011	1023.	0.044	0.052	1.184
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.193	25.72	1.204	7.619	3.586	0.022	2.882	0.212	3.483
Stddev	0.0023	0.02	0.028	0.015	0.012	0.0001	0.007	0.0002	0.0026
%RSD	5.410	0.739	2.357	1.932	3.322	3.002	2.547	8.241	7.381
#1	0.179	25.72	1.235	7.602	3.585	0.021	2.879	0.211	3.470
#2	0.179	25.73	1.179	7.626	3.575	0.021	2.890	0.214	3.513
#3	0.181	25.70	1.198	7.628	3.598	0.022	2.876	0.212	3.467
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0014	0.098	1.174	0.150	2.659	1.255	0.002	0.599	0.699
Stddev	0.0012	0.010	0.01	0.003	0.04	0.002	0.008	0.003	0.0015
%RSD	84.32	9.913	0.487	2.130	1.414	1.669	373.3	5.017	2.493
#1	-0.0014	0.101	1.175	0.152	2.663	1.253	0.001	0.597	0.697
#2	-0.0002	0.087	1.174	0.151	2.660	1.255	-0.005	0.598	0.608
#3	-0.0026	0.106	1.175	0.146	2.655	1.257	0.011	0.603	0.599
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2280.7	5318.9	41453.	3341.5					
Stddev	4.4	3.5	199.	11.7					
%RSD	0.19110	0.06523	4.7974	3.5138					
#1	2285.4	5320.3	41293.	3338.4					
#2	2276.8	5321.5	41676.	3331.7					
#3	2279.9	5315.0	41392.	3354.5					

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Sample Name: FA33227-1 Acquired: 4/21/2016 14:47:13 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	18.40	0.061	1.631	0.008	502.2	0.013	0.036	0.817
Stddev	0.0004	0.04	0.0006	0.013	0.0001	6.1	0.0001	0.0001	0.0001
%RSD	177.6	2.280	10.52	7.912	15.43	1.209	5.443	1.478	1.742
#1	0.0000	18.42	0.063	1.623	0.008	496.1	0.014	0.035	0.816
#2	0.0000	18.43	0.054	1.646	0.009	508.2	0.012	0.036	0.817
#3	-0.0006	18.36	0.067	1.624	0.007	502.3	0.014	0.035	0.819
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_			

Sample Name: FA33227-2 Acquired: 4/21/2016 14:51:43 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0005	17.26	.0036	.2692	.0006	F 706.6	.0021	.0044	.0748
Stddev	.0003	.06	.0010	.0009	.0001	10.5	.0000	.0000	.0001
%RSD	48.98	.3292	28.75	.3274	17.42	1.489	.4676	.5028	.1523
#1	.0008	17.20	.0027	.2684	.0005	698.9	.0021	.0044	.0749
#2	.0004	17.31	.0034	.2689	.0007	702.3	.0021	.0044	.0748
#3	.0004	17.28	.0047	.2701	.0007	718.6	.0021	.0044	.0747
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0366	11.22	1.002	5.884	1.827	-.0004	.9618	.0180	.0582
Stddev	.0003	.05	.017	.065	.004	.0001	.0076	.0001	.0007
%RSD	.9293	.4162	1.729	1.097	.2299	19.03	.7906	.5346	1.167
#1	.0365	11.17	.9845	5.857	1.830	-.0004	.9615	.0179	.0574
#2	.0362	11.26	1.002	5.837	1.830	-.0005	.9544	.0180	.0585
#3	.0369	11.24	1.019	5.958	1.822	-.0003	.9696	.0181	.0586
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	-.0021	.0052	1.200	.0137	.8316	.1922	-.0017	.0537	.0835
Stddev	.0017	.0014	.008	.0001	.0034	.0006	.0009	.0001	.0001
%RSD	80.57	26.71	.6552	.3757	.4125	.2927	55.10	.2367	.1693
#1	-.0036	.0060	1.191	.0137	.8277	.1928	-.0026	.0536	.0833
#2	-.0003	.0060	1.203	.0137	.8339	.1917	-.0016	.0538	.0836
#3	-.0025	.0036	1.206	.0136	.8332	.1922	-.0008	.0536	.0836
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2372.9	5572.6	43237.	3405.1					
Stddev	7.4	22.3	121.	16.9					
%RSD	.31392	.40003	.27976	.49753					
#1	2378.9	5595.1	43216.	3423.5					
#2	2375.3	5572.3	43128.	3390.1					
#3	2364.6	5550.5	43367.	3401.8					

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Sample Name: FA33227-3 Acquired: 4/21/2016 14:56:13 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-.0004	133.5	.0575	1.028	.0056	F 2387.	.0071	.0266
Stddev	.0002	.3	.0007	.004	.0000	32.	.0001	.0001
%RSD	43.89	.2138	1.184	.3552	.1805	1.323	.9167	.3475
#1	-.0003	133.4	.0578	1.031	.0056	2359.	.0071	.0268
#2	-.0003	133.4	.0580	1.024	.0056	2381.	.0070	.0266
#3	-.0006	133.9	.0567	1.028	.0056	2421.	.0071	.0266
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.5667	.0516	76.09	2.936	20.82	1.657	.0008	2.635
Stddev	.0031	.0002	.17	.018	.15	.006	.0001	.007
%RSD	.5500	.4377	.2285	.5988	.7289	.3457	16.14	.2670
#1	.5684	.0514	75.89	2.941	20.68	1.651	.0008	2.642
#2	.5631	.0518	76.15	2.917	20.80	1.662	.0006	2.634
#3	.5685	.0516	76.21	2.951	20.98	1.657	.0009	2.628
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.1056	.1631	F-.0050	.0084	1.169	.0104	F 4.354	.5754
Stddev	.0002	.0018	.0002	.0005	.001	.0002	.030	.0007
%RSD	.2031	1.113	3.016	5.448	.0473	1.976	.6834	.1163
#1	.1055	.1643	-.0049	.0088	1.169	.0104	4.320	.5757
#2	.1054	.1610	-.0050	.0079	1.170	.0101	4.366	.5759
#3	.1058	.1639	-.0052	.0086	1.169	.0105	4.377	.5746
Elem	Tl1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	-.0031	.3484	.1778					
Stddev	.0028	.0016	.0002					
%RSD	90.56	.4547	.1290					
#1	-.0062	.3494	.1775					
#2	-.0007	.3466	.1780					
#3	-.0024	.3493	.1778					

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Sample Name: FA33227-3 Acquired: 4/21/2016 14:56:13 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1790.8	8788.2	68222.	5699.3
Stddev	5.9	8.5	135.	35.3
%RSD	.33062	.09690	.19787	.61973
#1	1784.6	8778.4	68138.	5732.6
#2	1791.3	8792.0	68150.	5703.0
#3	1796.4	8794.1	68378.	5662.3

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Sample Name: CCV Acquired: 4/21/2016 15:00:54 Type: QC
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2540	40.73	1.995	2.036	2.002	41.50	2.020	2.027	2.034
Stddev	.0015	.22	.003	.010	.005	.26	.000	.001	.004
%RSD	.5749	.5433	.1436	.4874	.2552	.6345	.0058	.0624	.1803
#1	.2556	40.87	1.997	2.038	2.001	41.57	2.020	2.028	2.038
#2	.2527	40.85	1.992	2.044	2.008	41.73	2.020	2.027	2.031
#3	.2537	40.47	1.997	2.025	1.998	41.21	2.020	2.026	2.033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.045	39.41	43.33	40.40	2.044	2.014	41.64	2.020	1.994
Stddev	.004	.16	.15	.26	.002	.002	.11	.001	.003
%RSD	.1980	.3991	.3511	.6473	.0886	.0976	.2565	.0680	.1606
#1	2.041	39.48	43.37	40.25	2.044	2.015	41.64	2.022	1.991
#2	2.049	39.53	43.45	40.70	2.046	2.011	41.75	2.020	1.993
#3	2.045	39.24	43.16	40.25	2.042	2.014	41.54	2.019	1.997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.012	2.013	1.440	2.042	2.014	2.023	2.025	2.002	2.014
Stddev	.002	.005	.002	.002	.004	.002	.002	.005	.003
%RSD	.0814	.2383	.1529	.0731	.1942	.1104	.0726	.2694	.1527
#1	2.014	2.019	1.443	2.043	2.012	2.023	2.025	2.005	2.011
#2	2.010	2.011	1.439	2.041	2.019	2.026	2.026	1.996	2.015
#3	2.013	2.010	1.440	2.044	2.012	2.021	2.024	2.006	2.017
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 4/21/2016 15:00:54 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2591.7	5529.3	42629.	3149.4
Stddev	4.2	4.2	79.	14.9
%RSD	.16103	.07557	.18463	.47235

#1	2595.6	5533.4	42539.	3144.6
#2	2592.0	5529.4	42685.	3137.5
#3	2587.3	5525.0	42663.	3166.1

Sample Name: CCB Acquired: 4/21/2016 15:05:05 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0000	-0.0023	-0.0003	-0.0004	-0.0003	F.1102	-0.0001	-0.0001	-0.0005
Stddev	.000	.0029	.0010	.0008	.0000	.0160	.0000	.0001	.0001
%RSD	24020.	129.4	357.5	214.7	12.63	14.51	49.10	111.5	13.72

#1	.0002	-0.0056	-0.0014	-0.0003	-0.0003	.1263	-0.0001	.0000	-0.0005
#2	-0.0002	-0.0006	.0006	.0004	-0.0003	.1099	.0000	-0.0001	-0.0005
#3	.0000	-0.0005	-0.0001	-0.0013	-0.0003	.0943	-0.0001	-0.0002	-0.0006

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.1000			
Low Limit						-1.0000			

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-0.0003	-0.0018	-0.0045	.0017	-0.0003	-0.0003	.0594	-0.0003	-0.0003
Stddev	.0001	.0031	.0316	.0172	.0000	.0004	.0074	.0001	.0004
%RSD	44.57	166.6	707.8	1029.	6.712	128.7	12.51	32.51	126.3

#1	-0.0001	.0013	.0253	.0149	-0.0003	-0.0001	.0596	-0.0005	-0.0007
#2	-0.0003	-0.0020	-0.0010	-0.0177	-0.0004	-0.0001	.0519	-0.0003	.0000
#3	-0.0004	-0.0048	-0.0377	.0078	-0.0004	-0.0007	.0667	-0.0003	-0.0002

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0003	.0004	.0013	-0.0003	-0.0001	-0.0009	.0000	-0.0005	-0.0001
Stddev	.0007	.0004	.0002	.0001	.0000	.0000	.0006	.0001	.0001
%RSD	261.9	94.57	17.45	24.34	92.42	5.104	2774.	24.07	69.68

#1	.0008	.0004	.0015	-0.0004	-0.0001	-0.0009	.0003	-0.0004	-0.0001
#2	.0006	.0008	.0011	-0.0003	.0000	-0.0009	-0.0007	-0.0006	-0.0001
#3	-0.0005	.0000	.0013	-0.0003	-0.0001	-0.0010	.0004	-0.0005	.0000

Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

7.2
7

Sample Name: CCB Acquired: 4/21/2016 15:05:05 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	3044.8	5865.7	45342.	3233.9
Stddev	10.2	17.9	247.	9.4
%RSD	.33337	.30577	.54482	.29040

#1	3033.4	5845.7	45287.	3242.8
#2	3048.1	5871.1	45126.	3224.1
#3	3052.9	5880.4	45611.	3235.0

Sample Name: FA33227-4 Acquired: 4/21/2016 15:09:37 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_3710)	Ba4554 (Y_3710)	Be3130 (Y_3600)	Ca3179 (Y_2243)	Cd2265 (Y_3710)	Co2286 (Y_2243)	Cr2677 (In2306)
Avg	.0000	12.81	.0028	.1691	.0003	496.3	.0012	.0032	.0519
Stddev	.001	.03	.0005	.0005	.0001	2.8	.0001	.0001	.0004
%RSD	3164.	.2106	18.24	.3132	19.49	.5574	5.372	3.714	.8103

#1	.0002	12.78	.0024	.1691	.0002	498.9	.0011	.0030	.0522
#2	-0.0006	12.83	.0034	.1685	.0003	496.7	.0013	.0032	.0520
#3	.0003	12.83	.0026	.1696	.0004	493.4	.0012	.0032	.0514

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.0247	19.01	.6328	4.033	.8148	-0.0003	.4365	.0129	.0191
Stddev	.0003	.08	.0094	.031	.0016	.0001	.0052	.0002	.0009
%RSD	1.142	.3996	1.480	.7774	.1924	24.36	1.185	1.468	4.456

#1	.0250	18.93	.6308	4.016	.8166	-0.0002	.4420	.0128	.0181
#2	.0244	19.08	.6246	4.013	.8144	-0.0004	.4357	.0131	.0194
#3	.0247	19.01	.6430	4.069	.8136	-0.0003	.4318	.0128	.0197

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_2243)	Zn2062 (Y_2243)
Avg	-0.0018	.0052	1.285	.0145	.5632	.1516	-0.0018	.0370	.0521
Stddev	.0005	.0008	.002	.0001	.0010	.0003	.0004	.0002	.0002
%RSD	26.63	15.42	.1499	.7773	.1766	.1975	19.98	.5368	.3168

#1	-0.0023	.0043	1.285	.0145	.5627	.1519	-0.0022	.0368	.0522
#2	-0.0015	.0057	1.284	.0146	.5643	.1517	-0.0018	.0372	.0522
#3	-0.0015	.0056	1.287	.0143	.5625	.1513	-0.0014	.0370	.0519

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2446.7	5540.7	43002.	3297.8
Stddev	7.7	13.0	74.	17.1
%RSD	.31276	.23388	.17173	.51713

#1	2444.5	5536.8	42925.	3316.8
#2	2455.2	5555.1	43072.	3283.8
#3	2440.4	5530.0	43011.	3292.9

Sample Name: MP30263-MB1 Acquired: 4/21/2016 15:27:44 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	-0.0039	-0.0035	F_0304
Stddev	.0008	.0011	.0001
%RSD	21.30	32.92	.3157

#1	-0.0045	-0.0030	.0305
#2	-0.0042	-0.0048	.0305
#3	-0.0029	-0.0027	.0303

Check ?	Chk Pass	Chk Pass	Chk Fail
High Limit			.0100
Low Limit			-.0100

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3034.5	5879.4	4600.0	3347.0
Stddev	4.6	2.1	214.	9.4
%RSD	.15137	.03492	.46556	.27957

#1	3029.3	5881.2	45794.	3345.4
#2	3038.1	5879.8	46221.	3338.5
#3	3036.2	5877.1	45984.	3357.0

Sample Name: MP30263-B1 Acquired: 4/21/2016 15:32:16 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0481	28.17	2.007	2.124	.0501	26.92	.0523	.5377	.2116
Stddev	.0008	.26	.009	.012	.0000	.10	.0002	.0006	.0005
%RSD	1.741	.9381	.4734	.5826	.0275	.3837	.4285	.1187	.2556

#1	.0473	28.19	2.012	2.110	.0501	26.86	.0522	.5372	.2113
#2	.0480	28.42	2.014	2.133	.0501	27.04	.0525	.5384	.2122
#3	.0489	27.89	1.997	2.128	.0501	26.87	.0522	.5375	.2111

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2700	27.21	26.95	26.06	.5542	.4994	26.49	.5439	.5047
Stddev	.0022	.11	.27	.37	.0019	.0009	.07	.0010	.0047
%RSD	.8001	.4026	1.006	1.403	.3338	.1842	.2667	.1907	.9223

#1	.2711	27.16	26.64	25.92	.5564	.4991	26.52	.5451	.5018
#2	.2675	27.34	27.15	26.48	.5530	.4987	26.54	.5433	.5021
#3	.2714	27.14	27.06	25.79	.5533	.5005	26.41	.5434	.5100

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5026	2.050	.0333	.5876	.5058	.5167	2.070	.4917	.5740
Stddev	.0083	.005	.0014	.0014	.0021	.0004	.009	.0019	.0004
%RSD	1.656	.2296	4.282	.2350	.4191	.0805	.4520	.3898	.0764

#1	.4930	2.055	.0319	.5860	.5034	.5171	2.079	.4937	.5743
#2	.5061	2.048	.0347	.5886	.5075	.5168	2.060	.4914	.5741
#3	.5085	2.046	.0334	.5882	.5066	.5163	2.071	.4900	.5735

Check ?	Chk Pass	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value Range									

7.2
7

Sample Name: MP30263-B1 Acquired: 4/21/2016 15:32:16 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2894.7	5770.4	44481.	3230.6
Stddev	15.6	21.3	143.	18.6
%RSD	.53958	.36928	.32162	.57681

#1	2911.9	5794.8	44468.	3232.1
#2	2890.5	5760.8	44344.	3211.2
#3	2881.6	5755.6	44629.	3248.4

Sample Name: FA31998-1 Acquired: 4/21/2016 15:36:37 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0011	536.7	.1163	2.052	.0138	52.38	-.0002	.1024	.7197
Stddev	.0021	1.2	.0039	.009	.0001	.21	.0004	.0005	.0027
%RSD	190.7	.2156	3.337	4.563	.3860	.3953	239.0	.4691	.3806

#1	.0001	538.0	.1120	2.061	.0138	52.59	-.0003	.1028	.7182
#2	-.0036	536.1	.1194	2.043	.0137	52.18	-.0005	.1019	.7180
#3	.0001	535.9	.1177	2.050	.0138	52.37	.0003	.1026	.7228

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.525	358.0	29.85	65.12	4.915	.0011	4.301	.5657	6.177
Stddev	.002	1.3	.40	.28	.018	.0004	.022	.0006	.021
%RSD	.1041	.3756	1.327	.4285	.3740	35.36	.5093	.1088	.3337

#1	1.523	359.5	30.30	65.34	4.902	.0015	4.317	.5660	6.200
#2	1.525	357.5	29.65	65.22	4.908	.0012	4.310	.5661	6.160
#3	1.526	357.0	29.59	64.81	4.936	.0007	4.276	.5650	6.172

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0151	-.0076	3.102	.0458	.7565	13.90	.0002	.6695	.9094
Stddev	.0058	.0054	.003	.0006	.0007	.03	.0057	.0034	.0013
%RSD	38.12	72.04	.0972	1.201	.0897	2.404	3123.	.5121	.1407

#1	.0218	-.0065	3.102	.0463	.7572	13.88	.0065	.6668	.9093
#2	.0114	-.0135	3.099	.0459	.7564	13.89	-.0045	.6684	.9081
#3	.0122	-.0027	3.105	.0452	.7558	13.94	-.0015	.6734	.9107

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2798.8	5964.0	44612.	3273.0
Stddev	7.9	10.5	125.	26.8
%RSD	.28309	.17609	.28112	.81957

#1	2789.8	5954.5	44736.	3252.0
#2	2804.8	5975.3	44617.	3263.7
#3	2801.8	5962.1	44485.	3303.2

Sample Name: CCV Acquired: 4/21/2016 15:54:02 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2587.6	5553.3	4244.8	3150.9
Stddev	3.1	8.5	136.	11.7
%RSD	.11821	.15237	.32115	.36988
#1	2591.0	5556.1	42339.	3143.3
#2	2586.8	5559.9	42403.	3145.0
#3	2585.1	5543.7	42601.	3164.3

Sample Name: CCB Acquired: 4/21/2016 15:58:14 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0001	.0097	-.0008	.0000	-.0002	.0074	.0000	.0000	-.0003
Stddev	.0003	.0039	.0011	.000	.0001	.0010	.000	.000	.0001
%RSD	190.4	39.84	134.4	169.3	48.20	13.33	94.07	463.5	24.69
#1	.0004	.0129	.0001	.0000	-.0001	.0077	.0000	.0001	-.0004
#2	-.0001	-.0054	-.0005	-.0001	-.0002	.0063	.0000	-.0002	-.0002
#3	.0000	.0107	-.0020	-.0001	-.0003	.0082	.0000	.0000	-.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0003	-.0029	-.0045	.0144	-.0002	-.0002	.0302	.0000	.0003
Stddev	.0002	.0017	.0330	.0106	.0000	.0003	.0031	.000	.0006
%RSD	62.35	58.29	728.4	73.42	2.481	207.2	10.14	846.8	202.2
#1	.0005	-.0010	-.0063	.0234	-.0002	.0002	.0317	.0001	.0009
#2	.0004	-.0040	.0293	.0028	-.0002	-.0002	.0322	-.0002	-.0002
#3	.0001	-.0037	-.0367	.0171	-.0002	-.0005	.0267	.0001	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0001	-.0005	.0036	-.0003	-.0002	-.0006	-.0006	-.0004	.0006
Stddev	.0003	.0013	.0006	.0002	.0001	.0001	.0010	.0000	.0000
%RSD	407.7	262.7	16.33	59.47	62.96	16.27	159.1	4.522	6.059
#1	.0003	.0007	.0042	-.0001	-.0002	-.0006	-.0016	-.0004	.0006
#2	.0002	-.0019	.0036	-.0005	-.0001	-.0005	-.0007	-.0004	.0007
#3	-.0003	-.0003	.0031	-.0004	-.0004	-.0006	.0004	-.0004	.0006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.2
7

Sample Name: CCB Acquired: 4/21/2016 15:58:14 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2886.3	5591.0	4357.8	3165.7
Stddev	2.6	1.8	120.	24.1
%RSD	.09009	.03305	.27561	.76279
#1	2889.3	5593.1	43592.	3143.1
#2	2885.1	5590.1	43451.	3162.9
#3	2884.5	5589.8	43690.	3191.2

Sample Name: MP30263-PS1 Acquired: 4/21/2016 16:02:46 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	.0498	541.2	.2152	2.355	.0647	57.65	.0499	.1534	.7705
Stddev	.0013	1.0	.0031	.006	.0008	.26	.0003	.0007	.0046
%RSD	2.665	.1852	1.461	.2473	1.267	4.564	.6521	.4711	.6003
#1	.0483	541.5	.2172	2.361	.0639	57.95	.0502	.1528	.7743
#2	.0507	540.0	.2116	2.352	.0648	57.50	.0500	.1542	.7718
#3	.0505	541.9	.2167	2.351	.0655	57.50	.0495	.1533	.7653

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	1.628	362.4	40.18	69.58	4.926	.0990	14.56	.6689	6.317
Stddev	.002	.5	.26	.56	.017	.0002	.02	.0007	.021
%RSD	.1457	.1426	.6501	.7998	.3393	.2342	.1421	.0998	.3302
#1	1.631	362.6	40.45	70.17	4.944	.0992	14.56	.6697	6.334
#2	1.629	361.9	39.93	69.50	4.924	.0991	14.59	.6685	6.324
#3	1.626	362.9	40.14	69.07	4.910	.0987	14.55	.6685	6.294

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.1220	.0870	3.248	.0945	.8131	13.96	.0973	.7214	1.145
Stddev	.0072	.0134	.006	.0024	.0023	.04	.0017	.0022	.005
%RSD	5.941	15.35	.1893	2.504	.2884	.2762	1.700	.3098	.4467
#1	.1174	.0737	3.255	.0920	.8126	14.00	.0986	.7239	1.149
#2	.1182	.0868	3.245	.0950	.8110	13.96	.0954	.7204	1.147
#3	.1303	.1005	3.244	.0966	.8156	13.93	.0978	.7197	1.139

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2741.4	5887.0	44349.	3305.7
Stddev	2.5	10.7	158.	21.8
%RSD	.09160	.18107	.35625	.66029
#1	2740.2	5874.8	44167.	3280.7
#2	2739.7	5891.4	44436.	3320.4
#3	2744.2	5894.7	44445.	3316.1

Sample Name: FA31998-4 Acquired: 4/21/2016 16:07:05 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	683.7	1.216	4.217	0.0191	126.7	0.0049	1.426	8.637
Stddev	.0017	1.6	.0027	.009	.0004	.6	.0002	.0004	.0029
%RSD	626.3	.2373	2.226	.2030	2.342	.4515	4.269	.2525	.3397
#1	.0005	685.4	.1247	4.220	.0196	127.4	.0047	1.424	8.631
#2	-.0022	682.1	-.1198	4.207	.0188	126.4	.0052	1.430	8.669
#3	-.0009	683.7	-.1203	4.223	.0189	126.4	.0049	1.423	8.611
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)
Avg	.3388	447.9	34.73	77.97	14.24	0.036	4.745	6.742	8.929
Stddev	.0018	.9	.12	.36	.12	.0010	.054	.0010	.0003
%RSD	.5447	.2117	.3494	.4584	.8639	29.20	1.137	1.465	.0297
#1	.3407	448.9	34.87	78.37	14.27	.0026	4.726	6.731	8.928
#2	.3370	447.6	34.67	77.81	14.35	.0046	4.806	6.751	8.931
#3	.3386	447.1	34.65	77.71	14.11	.0036	4.704	6.745	8.926
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.061	-0.202	4.945	0.485	1.957	16.59	-0.029	8.468	7.818
Stddev	.0006	.0058	.016	.0024	.008	.09	.0036	.0037	.0016
%RSD	10.44	28.83	.3282	4.922	.4052	5.481	126.7	4.349	2.002
#1	-.0064	-.0209	4.947	.0487	1.952	16.62	-.0004	8.478	7.824
#2	-.0065	-.0140	4.961	.0460	1.954	16.67	-.0023	8.427	7.830
#3	-.0053	-.0256	4.928	.0508	1.966	16.49	-.0067	8.499	7.800
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2713.5	5926.4	4455.3	3308.8					
Stddev	4.5	7.5	173.	18.7					
%RSD	.16696	.12704	.38791	.56641					
#1	2716.5	5930.2	4455.5	3287.4					
#2	2715.8	5917.8	4437.9	3322.0					
#3	2708.3	5931.4	4472.5	3317.1					

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Sample Name: FA31998-5 Acquired: 4/21/2016 16:11:42 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0029	643.7	1.158	4.097	0.0175	135.3	0.0052	1.352	8.178
Stddev	.0029	4.1	.0028	.022	.0002	1.1	.0004	.0006	.0015
%RSD	100.1	.6401	2.390	.5424	1.145	.7978	6.865	.4590	.1853
#1	.0063	645.4	1.144	4.112	.0177	135.6	.0049	1.345	8.195
#2	.0012	646.7	1.140	4.107	.0175	136.2	.0051	1.354	8.167
#3	.0013	639.0	1.190	4.071	.0173	134.1	.0056	1.356	8.170
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)
Avg	.3612	425.0	32.62	77.13	14.23	0.027	4.600	6.382	1.159
Stddev	.0011	2.3	.28	.40	.10	.0009	.052	.0013	.005
%RSD	.3087	.5319	.8703	.5168	.7181	34.85	1.134	.2067	.3950
#1	.3623	425.5	32.94	77.13	14.33	.0020	4.647	6.384	1.160
#2	.3601	427.0	32.41	77.52	14.24	.0038	4.544	6.394	1.155
#3	.3610	422.5	32.50	76.73	14.12	.0023	4.608	6.368	1.164
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.001	-0.074	4.327	0.479	2.006	15.22	0.080	7.927	8.058
Stddev	.0011	.0241	.012	.0023	.011	.10	.0042	.0022	.0033
%RSD	889.7	327.3	.2838	4.740	5.299	662.9	53.16	2.830	4.154
#1	.0008	.0033	4.318	.0452	2.015	15.33	.0091	7.950	8.019
#2	.0002	.0096	4.322	.0492	2.009	15.19	.0116	7.905	8.079
#3	-.0013	-.0350	4.341	.0491	1.994	15.13	.0033	7.926	8.076
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2755.3	5999.4	4512.5	3314.8					
Stddev	8.5	3.4	273.	12.2					
%RSD	.30996	.05586	.60474	.36848					
#1	2746.5	5999.2	4481.7	3309.5					
#2	2763.5	6002.8	4521.7	3306.2					
#3	2755.8	5996.1	4533.9	3328.8					

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7.2
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Sample Name: FA31998-11 Acquired: 4/21/2016 16:16:20 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.013	221.6	0.528	9.901	0.036	27.62	-0.011	0.530	4.004
Stddev	.0019	1.6	.0045	.0068	.0002	.12	.0002	.0004	.0012
%RSD	143.6	.7051	8.475	.6860	6.912	.4415	13.54	.6617	.2997
#1	-.0033	222.6	.0507	9.942	.0036	27.73	-.0012	.0531	3.996
#2	-.0005	222.3	.0579	9.937	.0038	27.64	-.0009	.0534	3.998
#3	-.0012	219.8	.0497	9.822	.0033	27.49	-.0012	.0527	4.018
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0716	188.6	21.57	28.06	2.325	-0.025	3.042	2.438	2.699
Stddev	.0014	1.2	.14	.26	.003	.0005	.020	.0011	.0032
%RSD	1.958	.6512	.6590	.9143	.1326	21.17	6.448	4.349	1.196
#1	.0709	189.2	21.44	27.77	2.326	-.0027	3.020	2.426	2.663
#2	.0707	189.5	21.72	28.26	2.327	-.0019	3.052	2.440	2.725
#3	.0732	187.2	21.54	28.15	2.322	-.0029	3.055	2.447	2.710
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0032	-0.0033	3.447	0.485	3.474	7.621	-0.019	3.946	2.745
Stddev	.0042	.0064	.003	.0006	.0025	.003	.0054	.0008	.0006
%RSD	130.4	193.4	.0754	1.193	.7192	.0438	294.5	1.904	.2057
#1	-.0009	-.0106	3.450	.0487	3.478	7.617	-.0043	3.937	2.741
#2	-.0031	-.0006	3.445	.0478	3.496	7.623	-.0060	3.947	2.751
#3	-.0075	.0013	3.445	.0489	3.447	7.622	-.0039	3.952	2.742
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2829.2	5848.4	4451.4	3256.9					
Stddev	14.6	6.1	175.	12.6					
%RSD	.51526	.10390	.39271	.38831					
#1	2840.9	5842.5	4439.1	3249.6					
#2	2812.9	5848.1	4471.4	3249.5					
#3	2833.7	5854.7	4443.8	3271.5					

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Sample Name: FA31998-14 Acquired: 4/21/2016 16:20:39 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.015	299.3	0.402	1.704	0.070	14.60	-0.021	0.707	4.930
Stddev	.0006	.9	.0051	.012	.0004	.02	.0000	.0001	.0029
%RSD	36.40	.3071	12.62	.7229	6.063	.1620	2.312	1.187	.5892
#1	-.0019	300.2	.0389	1.718	.0072	14.62	-.0020	.0707	4.936
#2	-.0018	299.4	.0359	1.701	.0072	14.60	-.0020	.0708	4.955
#3	-.0009	298.4	.0458	1.693	.0065	14.57	-.0021	.0707	4.898
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1011	229.6	21.55	23.63	1.984				

Sample Name: FA31998-15 Acquired: 4/21/2016 16:25:00 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.014	308.0	0.0389	1.765	0.067	13.92	-0.021	0.0648	4.862
Stddev	0.0021	.4	.0044	.005	.0004	.11	.0002	.0002	0.027
%RSD	152.1	.1413	11.18	.3093	6.034	.7651	10.24	.3044	.5584
#1	-0.006	308.4	0.0363	1.760	0.067	13.90	-0.019	0.0647	4.883
#2	-0.038	308.2	0.0439	1.771	0.071	14.04	-0.022	0.0646	4.831
#3	0.002	307.5	0.0365	1.764	0.063	13.83	-0.023	0.0650	4.870
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.024	233.4	21.29	23.72	2.007	0.012	2.855	2.638	2.927
Stddev	0.012	.3	.08	.10	.007	.0007	.025	.0006	0.024
%RSD	1.130	.1471	.3902	.4092	.3519	55.42	.8827	.2448	.8115
#1	1.032	233.5	21.20	23.68	2.010	0.015	2.872	2.639	2.928
#2	1.010	233.6	21.29	23.82	1.999	0.004	2.868	2.644	2.950
#3	1.029	233.0	21.37	23.64	2.012	0.017	2.826	2.631	2.903
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.042	-0.047	3.553	0.0429	9.087	-0.021	5.597	2.366	2.176
Stddev	0.049	0.028	0.10	0.012	0.000	0.13	0.090	0.003	0.004
%RSD	114.5	59.11	.2827	2.683	0.124	1.409	4.271	0.0614	1.627
#1	-0.099	-0.026	3.557	0.0437	2.260	9.094	0.027	5.399	2.368
#2	-0.015	-0.037	3.542	0.046	2.260	9.072	-0.125	5.393	2.368
#3	-0.014	-0.079	3.561	0.0435	2.259	9.094	0.034	5.398	2.361
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2755.8	5766.0	4344.8	3174.9					
Stddev	7.8	14.6	109.	25.3					
%RSD	28184	25337	24972	79810					
#1	2764.5	5777.9	4341.0	3176.5					
#2	2749.4	5770.4	4357.1	3148.8					
#3	2753.7	5749.7	43364.	3199.4					

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Sample Name: FA31998-20 Acquired: 4/21/2016 16:29:20 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.016	340.1	0.047	2.541	0.068	129.3	-0.001	0.074	5.059
Stddev	0.014	.9	.0032	.005	.0004	.5	.0002	.0006	0.015
%RSD	90.67	.2567	7.536	.1806	5.349	.3699	148.8	.7461	.2914
#1	0.001	340.2	0.0417	2.545	0.064	129.5	-0.001	0.079	5.045
#2	-0.024	340.9	0.0402	2.541	0.067	129.7	0.001	0.079	5.057
#3	-0.024	339.2	0.0464	2.536	0.072	128.8	-0.003	0.0782	5.074
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.431	260.4	26.58	28.79	7.367	0.031	3.232	3.110	2.093
Stddev	0.01	.9	.32	.42	.017	.0008	.015	.0009	.005
%RSD	0.786	.3590	1.202	1.475	.2273	24.49	.4611	.2870	.2551
#1	1.431	260.9	26.94	28.57	7.357	0.031	3.216	3.104	2.093
#2	1.433	261.1	26.47	29.28	7.387	0.039	3.236	3.106	2.088
#3	1.431	259.4	26.33	28.52	7.359	0.024	3.245	3.121	2.098
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.004	-0.096	3.721	0.0438	1.000	8.708	-0.034	5.851	4.156
Stddev	0.075	0.098	0.02	0.020	.002	.009	.0093	0.015	0.016
%RSD	1825.	102.4	.0540	4.655	.2269	1.040	274.0	.2621	.3970
#1	0.080	-0.087	3.723	0.0415	1.003	8.701	-0.112	5.857	4.163
#2	-0.064	-0.003	3.719	0.047	.9989	8.718	-0.060	5.861	4.137
#3	-0.028	-0.198	3.721	0.0452	.9988	8.705	.0069	5.833	4.168
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2766.4	5787.9	4349.6	3171.4					
Stddev	4.7	3.4	75.	18.7					
%RSD	.16958	.05844	.17279	.59110					
#1	2762.4	5784.1	4356.8	3169.3					
#2	2765.3	5789.0	4341.8	3153.8					
#3	2771.6	5790.6	4350.3	3191.1					

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7.2
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Sample Name: FA31998-23 Acquired: 4/21/2016 16:33:40 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.022	202.5	0.0606	0.964	0.038	27.14	0.018	0.0397	3.939
Stddev	0.014	.1	.0019	.0046	.0004	.15	.0003	.0005	0.017
%RSD	60.85	.0396	3.054	4.611	11.21	.5407	17.41	1.223	4.207
#1	-0.022	202.6	0.0627	.9911	0.041	27.18	0.015	0.0400	3.923
#2	-0.036	202.5	0.0600	.9996	0.033	27.27	0.021	0.0400	3.939
#3	-0.009	202.4	0.0592	.9984	0.041	26.98	0.017	0.0392	3.956
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.074	187.1	25.81	29.50	2.652	-0.037	2.662	1.963	3.109
Stddev	0.015	.4	.33	.35	.005	.0002	.015	.0009	.002
%RSD	1.742	.2310	1.276	1.192	.1720	4.354	5.765	.4562	.0532
#1	0.0891	187.3	25.76	29.66	2.650	-0.038	2.649	1.960	3.109
#2	0.0861	187.5	26.16	29.75	2.649	-0.038	2.658	1.956	3.108
#3	0.0870	186.7	25.51	29.10	2.657	-0.035	2.679	1.973	3.111
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.010	0.005	2.961	0.0447	3.695	7.633	0.018	3.145	1.323
Stddev	0.016	0.0089	0.08	0.004	0.008	.014	0.016	0.014	.003
%RSD	162.0	181.2	.2661	.9625	.2228	.1859	90.18	.4343	.2240
#1	-0.027	-0.011	2.958	0.0451	3.703	7.633	0.011	3.155	1.323
#2	0.006	0.010	2.954	0.0442	3.686	7.619	0.037	3.129	1.320
#3	-0.009	-0.075	2.970	0.0447	3.695	7.647	0.007	3.150	1.326
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2823.8	5893.6	4464.0	3236.3					
Stddev	6.6	10.2	103.	21.4					
%RSD	23471	17223	23113	65989					
#1	2818.7	5882.1	4454.3	3236.2					
#2	2831.3	5901.2	4474.8	3215.0					
#3	2821.4	5897.4	4462.9	3257.7					

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Sample Name: FA31998-26 Acquired: 4/21/2016 16:38:00 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	266.2	0.0792	0.7796	0.057	26.89	-0.013	0.0583	5.529
Stddev	0.010	.7	.0017	.0021	.0000	.04	.0003	.0001	0.010
%RSD	282.5	.2644	2.154	2.661	.8648	.1307	21.36	.1560	1.752
#1	-0.011	265.5	0.0781	.7795	0.057	26.91	-0.015	0.0583	5.522
#2	0.008	266.2	0.0812	.7817	0.056	26.85	-0.015	0.0584	5.525
#3	-0.007	266.9	0.0784	.7775	0.057	26.91	-0.010	0.0582	5.540
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0709	218.5	25.20	37.39	2.271	-0.012	2.996	2.974	1.676
Stddev	0.009	.5	.30	.08	.014	.0007	.054	.0016	.0037
%RSD	1.234	.2238	1.182	.2093	.6202	55.05	1.805	.5238	2.182
#1	0.0716	218.5	25.53	37.30	2.287	-0.014	2.938	2.975	1.643
#2	0.0699	218.0	24.95	37.45	2.259	-0.005	3.005	2.958	1

Sample Name: FA32106-1 Acquired: 4/21/2016 16:42:21 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0034	152.2	0.0294	1.149	0.0010	33.04	-0.0008	0.0288	2.561
Stddev	0.0017	.7	0.0026	.005	0.0004	.26	0.0004	0.0004	0.011
%RSD	49.66	4.744	8.710	.4210	38.96	.7987	45.77	1.542	4.328
#1	-0.0052	153.0	0.0265	1.154	.0015	33.35	-0.0012	0.0288	2.558
#2	-0.0029	151.7	0.0312	1.144	.0009	32.89	-0.0005	0.0292	2.573
#3	-0.0020	151.9	0.0306	1.149	.0007	32.90	-0.0008	0.0283	2.552
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0007	167.1	15.38	12.77	2.772	0.006	1.876	1.263	4.295
Stddev	0.0006	.7	.25	.18	.015	0.008	.035	0.003	0.068
%RSD	.6154	.4373	1.596	1.428	.5437	140.4	1.876	.2182	1.592
#1	.0904	167.9	15.64	12.90	2.785	-0.003	1.892	1.263	4.370
#2	.0914	166.5	15.15	12.56	2.775	.0012	1.836	1.260	4.278
#3	.0904	166.8	15.35	12.85	2.755	.0009	1.900	1.265	4.236
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0018	-0.0047	4.030	0.0468	4.708	5.837	-0.0029	4.253	2.010
Stddev	0.0002	0.0042	0.005	0.006	0.017	0.016	0.050	0.021	0.005
%RSD	13.76	88.03	1.153	1.330	.3701	.2652	172.9	.4830	.2321
#1	.0020	-0.0036	4.028	.0475	4.710	5.849	-0.0050	4.243	2.014
#2	.0016	-0.0093	4.035	.0465	4.690	5.842	-0.0065	4.277	2.011
#3	.0017	-0.0013	4.026	0.0464	4.725	5.819	0.0028	4.240	2.005
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2850.1	5788.5	4442.9	3248.8					
Stddev	12.6	7.8	231.	22.5					
%RSD	.44380	.13458	.51955	.69228					
#1	2835.5	5779.8	4418.9	3223.9					
#2	2857.1	5790.9	4444.9	3255.0					
#3	2857.6	5794.7	4464.9	3267.6					

Sample Name: CCV Acquired: 4/21/2016 16:46:42 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.571	41.56	1.998	2.083	2.017	41.95	2.033	2.050	2.065
Stddev	0.0009	.21	0.005	0.006	0.010	.19	0.003	0.002	0.005
%RSD	.3622	.4934	.2424	.3112	.4952	.4516	.1365	.1064	.2205
#1	.2563	41.41	1.998	2.079	2.011	41.87	2.036	2.052	2.069
#2	.2569	41.79	2.003	2.091	2.028	42.16	2.032	2.049	2.067
#3	.2582	41.47	1.994	2.079	2.011	41.80	2.030	2.048	2.060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.079	39.92	43.74	41.55	2.068	2.036	41.62	2.022	2.015
Stddev	0.005	.19	.21	.19	.007	0.000	.18	0.004	0.006
%RSD	.2295	.4707	.4910	.4491	.3639	.0107	.4253	.1886	.2820
#1	2.076	39.84	43.74	41.46	2.069	2.036	41.50	2.026	2.010
#2	2.077	40.13	43.96	41.76	2.075	2.036	41.83	2.023	2.014
#3	2.085	39.78	43.53	41.42	2.060	2.037	41.54	2.018	2.021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.014	2.023	1.445	2.075	2.022	2.041	2.026	2.019	2.013
Stddev	0.006	.004	0.005	0.003	0.007	.004	.004	.007	.004
%RSD	.2909	.1916	.3679	.1494	.3626	.1913	.2101	.3514	.1878
#1	2.019	2.027	1.447	2.079	2.017	2.041	2.027	2.021	2.017
#2	2.016	2.021	1.450	2.072	2.031	2.044	2.029	2.025	2.011
#3	2.008	2.021	1.440	2.075	2.019	2.037	2.021	2.011	2.010
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

7.2
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Sample Name: CCV Acquired: 4/21/2016 16:46:42 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2542.0	5463.2	4170.7	3086.1
Stddev	3.8	4.6	120.	27.6
%RSD	.14821	.08364	.28860	.89372
#1	2545.8	5458.5	4166.8	3098.9
#2	2541.9	5463.3	4161.1	3054.5
#3	2538.3	5467.7	4184.2	3105.0

Sample Name: CCB Acquired: 4/21/2016 16:50:54 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	0.0062	-0.0004	-0.0001	0.0000	0.0050	0.0000	-0.0001	0.0000
Stddev	0.0002	0.0054	0.0003	0.0006	0.0000	0.0045	0.0001	0.0000	0.000
%RSD	61.61	86.61	77.09	416.7	147.1	90.06	330.3	49.52	553.0
#1	-0.0004	0.0121	-0.0006	-0.0005	0.0000	0.0068	0.0001	-0.0001	-0.0002
#2	-0.0002	0.0016	0.0000	0.0006	0.0000	0.0083	0.0000	0.0000	0.0000
#3	-0.0006	0.0048	-0.0006	-0.0005	0.0000	-0.0001	0.0000	-0.0001	0.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	0.0021	-0.0148	-0.0113	-0.0001	-0.0001	0.0077	-0.0002	0.0002
Stddev	0.0001	0.0067	0.0220	0.0142	0.0000	0.0003	0.0063	0.0001	0.0001
%RSD	104.3	315.6	148.7	126.4	39.19	275.8	82.47	30.44	43.04
#1	.0000	0.0092	-0.0342	0.0052	-0.0001	0.0001	0.0148	-0.0001	0.0002
#2	-0.0003	0.0010	0.0091	-0.0196	-0.0002	0.0000	0.0056	-0.0002	0.0002
#3	-0.0002	-0.0039	-0.0193	-0.0194	-0.0002	-0.0005	0.0026	-0.0002	0.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0002	0.0004	0.0028	-0.0003	0.0000	-0.0005	0.0000	-0.0003	0.0006
Stddev	0.0003	0.0005	0.0003	0.0003	0.0001	0.0000	0.0005	0.0002	0.0000
%RSD	126.7	148.7	11.75	85.64	1073.	4.495	2071.	49.61	3.707
#1	.0005	0.0002	0.0032	-0.0001	0.0002	-0.0005	0.0005	-0.0002	0.0006
#2	-0.0001	-0.0001	0.0027	-0.0003	-0.0001	-0.0005	0.0000	-0.0002	0.0007
#3	.0003	0.0009	0.0026	-0.0007	-0.0001	-0.0005	-0.0004	-0.0005	0.0006
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Sample Name: CCB Acquired: 4/21/2016 16:50:54 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	3027.6	5884.5	45380.	3215.1
Stddev	3.3	8.6	32.	19.4
%RSD	.11054	.14591	.07068	.60482

#1	3024.8	5875.0	45370.	3205.1
#2	3026.6	5886.5	45417.	3202.6
#3	3031.3	5891.9	45355.	3237.5

Sample Name: FA32106-4 Acquired: 4/21/2016 16:55:26 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0030	140.6	.0213	1.299	.0009	45.97	-0.0004	.0262	.2145
Stddev	.0014	.3	.0070	.004	.0000	.09	.0001	.0005	.0012
%RSD	45.50	.2405	32.70	.3247	1.807	.2045	34.59	1.931	.5777

#1	-0.0021	140.7	.0289	1.295	.0009	45.98	-0.0005	.0267	.2156
#2	-0.0024	140.2	.0201	1.299	.0009	45.87	-0.0003	.0260	.2148
#3	-0.0046	140.8	.0151	1.303	.0009	46.06	-0.0005	.0257	.2131

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_2243)	(In2306)
Avg	.1003	147.0	15.18	13.05	2.421	.0022	1.976	.1135	.5259
Stddev	.0010	.1	.17	.23	.007	.0002	.013	.0006	.0040
%RSD	.9901	.0475	1.148	1.740	.2979	8.394	.6712	.5033	.7544

#1	.1014	147.0	15.21	12.82	2.422	.0023	1.980	.1131	.5289
#2	.0995	146.9	14.99	13.08	2.427	.0020	1.961	.1132	.5214
#3	.1000	147.1	15.34	13.27	2.413	.0024	1.987	.1141	.5274

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0005	-0.0081	4.135	.0443	.6708	5.478	.0043	.3743	.1981
Stddev	.0030	.0066	.015	.0013	.0006	.007	.0015	.0012	.0005
%RSD	603.6	82.08	.3526	2.825	.0849	.1245	35.19	.3201	.2473

#1	.0036	-0.0010	4.127	.0457	.6702	5.480	.0026	.3757	.1981
#2	-0.0025	-0.0091	4.126	.0434	.6712	5.483	.0056	.3733	.1976
#3	.0004	-0.0142	4.152	.0437	.6710	5.470	.0047	.3740	.1986

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2877.6	5847.0	44939.	3276.3
Stddev	3.1	14.0	158.	9.7
%RSD	.10671	.23954	.35050	.29739

#1	2877.0	5841.5	44767.	3285.9
#2	2880.9	5862.9	45076.	3266.4
#3	2874.8	5836.6	44974.	3276.6

7.2
7

Sample Name: FA32106-7 Acquired: 4/21/2016 16:59:47 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.0008	260.5	.0258	3.256	.0041	78.84	-0.0002	.0599	.3564
Stddev	.0003	.5	.0015	.002	.0004	.04	.0004	.0002	.0018
%RSD	43.45	.1804	5.736	.0652	9.748	.0568	165.0	.3440	.4956

#1	-0.0012	260.5	.0271	3.256	.0040	78.80	-0.0002	.0597	.3544
#2	-0.0006	260.0	.0261	3.254	.0037	78.82	-0.0003	.0601	.3577
#3	-0.0006	260.9	.0242	3.258	.0045	78.89	-0.0006	.0599	.3571

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0979	218.8	18.00	23.82	7.507	.0023	2.980	.2231	.4677
Stddev	.0013	.4	.08	.07	.018	.0005	.050	.0008	.0054
%RSD	1.323	.2041	4.281	.2907	.2408	22.41	1.668	.3613	1.145

#1	.0981	218.7	17.95	23.89	7.497	.0019	2.922	.2236	.4640
#2	.0965	218.4	17.97	23.82	7.528	.0029	3.009	.2221	.4739
#3	.0991	219.3	18.09	23.75	7.497	.0022	3.008	.2234	.4654

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0013	-0.0017	5.413	.0467	1.056	8.096	-0.0041	.5302	.2220
Stddev	.0015	.0102	.013	.0002	.004	.009	.0042	.0014	.0004
%RSD	116.9	598.9	.2423	.5218	.3579	.1161	103.4	.2586	.1803

#1	-0.0011	-0.0135	5.412	.0468	1.056	8.086	-0.0084	.5289	.2222
#2	-0.0029	.0047	5.427	.0465	1.052	8.105	-0.0039	.5317	.2216
#3	.0001	.0037	5.401	.0470	1.059	8.097	.0001	.5301	.2223

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2795.5	5795.0	44147.	3270.2
Stddev	1.4	3.0	150.	3.9
%RSD	.04935	.05229	.34046	.11897

#1	2794.8	5797.6	44243.	3271.2
#2	2794.6	5791.7	43973.	3273.5
#3	2797.1	5795.6	44223.	3265.9

Sample Name: FA32106-10 Acquired: 4/21/2016 17:04:07 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0012	246.9	.0272	3.596	.0037	97.99	.0018	.0577	.3475
Stddev	.0013	.7	.0048	.023	.0004	.15	.0002	.0006	.0006
%RSD	115.6	.2993	17.64	.6430	12.12	.1492	11.06	1.087	.1645

#1	.0015	246.2	.0221	3.585	.0039	97.92	.0016	.0580	.3469
#2	.0023	247.7	.0317	3.622	.0040	98.16	.0017	.0570	.3480
#3	-0.0003	246.8	.0277	3.580	.0032	97.89	.0020	.0581	.3476

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1982	201.8	19.25	26.73	7.109	.0000	2.324	.2701	1.578
Stddev	.0006	.4	.14	.19	.019	.0005	.014	.0020	.008
%RSD	.2893	.1780	.7318	.7273	.2730	140.30	.6149	.7409	.5173

#1	.1983	201.5	19.41	26.72	7.124	-0.001	2.339	.2695	1.577
#2	.1988	202.2	19.17	26.94	7.116	-0.0005	2.311	.2684	1.569
#3	.1977	201.8	19.16	26.55	7.087	.0006	2.321	.2723	1.586

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0027	-0.0071	4.297	.0485	1.205	7.826	-0.0046	.4557	.3661
Stddev	.0040	.0032	.010	.0031	.005	.022	.0054	.0012	.0018
%RSD	147.3	45.11	.2386	6.438	.3805	.2806	117.0	.2584	.4840

#1	.0073	-0.0034	4.287	.0504	1.202	7.845	.0016	.4563	.3668
#2	.0000	-0.0094	4.307	.0503	1.211	7.832	-0.0076	.4543	.3640
#3	.0008	-0.0085	4.298	.0449	1.204	7.802	-0.0078	.4564	.3673

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2819.5	5829.2	44423.	3250.9
Stddev	9.4	6.8	113.	7.2
%RSD	.33253	.11632	.25396	.22127

#1	2809.5	5832.7	44413.	3256.2
#2	2828.1	5821.4	44541.	3253.8
#3	2820.9	5833.6	44316.	3242.7

Sample Name: FA32107-1 Acquired: 4/21/2016 17:08:27 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stdev, %RSD, #1-3, Int. Std., Avg, Stdev, %RSD, #1-3).

Sample Name: FA32107-4 Acquired: 4/21/2016 17:12:48 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stdev, %RSD, #1-3, Int. Std., Avg, Stdev, %RSD, #1-3).

Sample Name: FA32107-7 Acquired: 4/21/2016 17:17:08 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stdev, %RSD, #1-3, Int. Std., Avg, Stdev, %RSD, #1-3).

Sample Name: FA32107-10 Acquired: 4/21/2016 17:21:28 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stdev, %RSD, #1-3, Int. Std., Avg, Stdev, %RSD, #1-3).

7.2

Sample Name: FA32107-13 Acquired: 4/21/2016 17:25:48 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	279.7	.0326	4.155	.0043	129.2	.0016	.0779	.3850
Stddev	.0052	.9	.0052	.013	.0003	.5	.0003	.0005	.0013
%RSD	18430.	.3321	15.99	.3060	7.799	.3585	21.46	.6353	.3360
#1	.0016	279.8	.0368	4.154	.0044	128.9	.0013	.0774	.3846
#2	.0042	280.6	.0341	4.168	.0047	129.7	.0020	.0784	.3864
#3	-.0058	278.7	.0268	4.143	.0040	128.9	.0016	.0780	.3839
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2734	227.8	20.90	29.68	9.287	.0021	2.562	.2767	2.411
Stddev	.0020	.6	.15	.34	.023	.0009	.038	.0013	.002
%RSD	.7410	.2451	.7082	1.135	.2500	42.62	1.470	.4548	.0716
#1	.2733	227.9	20.78	29.58	9.303	.0021	2.602	.2753	2.410
#2	.2755	228.3	21.06	30.05	9.297	.0030	2.556	.2773	2.409
#3	.2714	227.2	20.84	29.39	9.260	.0012	2.528	.2776	2.413
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0025	-.0019	5.232	.0520	1.687	8.367	-.0036	.5566	.3783
Stddev	.0052	.0040	.009	.0008	.005	.016	.0046	.0035	.0011
%RSD	203.9	210.4	.1659	1.607	.3230	.1848	128.4	.6241	.2902
#1	.0052	-.0045	5.232	.0517	1.688	8.361	-.0028	.5566	.3773
#2	-.0034	-.0038	5.223	.0513	1.692	8.384	.0006	.5601	.3781
#3	.0059	.0027	5.241	.0529	1.681	8.355	-.0085	.5532	.3795
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2819.8	5850.1	44382.	3229.8					
Stddev	7.6	7.4	132.	4.2					
%RSD	.27023	.12694	.29764	.13126					
#1	2817.2	5853.1	44316.	3227.6					
#2	2813.8	5841.6	44295.	3234.7					
#3	2828.4	5855.5	44534.	3227.2					

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Sample Name: CRIA Acquired: 4/21/2016 17:30:07 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0096	.2325	.0092	.2155	.0048	1.121	.0052	.0546	.0105
Stddev	.0007	.0142	.0011	.0003	.0001	.011	.0000	.0002	.0002
%RSD	7.552	6.091	11.75	.1616	1.050	.9881	.7228	.3015	2.309
#1	.0089	.2161	.0094	.2159	.0048	1.114	.0052	.0548	.0103
#2	.0095	.2407	.0101	.2152	.0048	1.116	.0052	.0546	.0104
#3	.0103	.2406	.0080	.2156	.0047	1.134	.0052	.0545	.0108
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0283	.3230	11.12	5.418	.0164	.0495	10.70	.0431	.0046
Stddev	.0001	.0015	.05	.009	.0001	.0002	.03	.0003	.0002
%RSD	.2398	.4510	.4144	.1645	.3887	.4997	.2440	.6885	5.077
#1	.0282	.3231	11.15	5.408	.0164	.0498	10.68	.0435	.0043
#2	.0282	.3245	11.07	5.425	.0164	.0493	10.69	.0429	.0048
#3	.0283	.3216	11.14	5.421	.0165	.0494	10.73	.0431	.0047
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0047	.0091	.0131	.0548	.0101	.0095	.0106	.0493	.0230
Stddev	.0010	.0006	.0003	.0003	.0001	.0001	.0005	.0002	.0001
%RSD	21.75	6.534	2.224	.5232	.9527	.8042	5.139	.3832	.5624
#1	.0058	.0084	.0129	.0551	.0101	.0094	.0105	.0495	.0231
#2	.0041	.0092	.0135	.0546	.0100	.0095	.0101	.0491	.0229
#3	.0041	.0096	.0130	.0546	.0102	.0095	.0112	.0492	.0229
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2883.0	5768.6	44021.	3169.7					
Stddev	4.9	12.0	183.	15.9					
%RSD	.17031	.20836	.41560	.50297					
#1	2879.7	5755.0	43861.	3175.5					
#2	2880.7	5772.9	44220.	3181.9					
#3	2888.7	5777.9	43981.	3151.6					

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7.2
7

Sample Name: ICSA Acquired: 4/21/2016 17:34:31 Type: Unk
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0003	F 525.3	-.0008	.0001	-.0005	F 515.1	-.0008	-.0005	-.0003
Stddev	.0002	5.0	.0004	.0004	.0001	4.3	.0000	.0002	.0002
%RSD	74.76	.9440	52.79	281.1	14.38	.8438	3.403	43.81	52.60
#1	-.0004	529.9	-.0011	.0003	-.0006	512.0	-.0009	-.0006	-.0005
#2	-.0000	526.0	-.0010	-.0003	-.0005	520.1	-.0009	-.0002	-.0002
#3	-.0005	520.1	-.0003	.0004	-.0004	513.2	-.0008	-.0006	-.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0002	191.1	.0619	F 536.5	-.0009	-.0011	.2631	.0002	-.0027
Stddev	.0002	.6	.0259	.28	.0001	.0001	.0127	.0002	.0028
%RSD	106.4	.2980	41.89	.5154	7.486	11.54	4.816	102.6	101.7
#1	.0000	191.0	.0830	534.6	-.0008	-.0012	.2517	.0000	-.0052
#2	.0004	191.8	.0699	539.6	-.0009	-.0010	.2609	.0003	-.0032
#3	.0001	190.7	.0329	535.2	-.0009	-.0010	.2768	.0004	.0003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0005	-.0013	.0622	.0009	-.0004	-.0013	-.0021	.0000	-.0032
Stddev	.0008	.0053	.0009	.0005	.0001	.0001	.0025	.0001	.0002
%RSD	166.8	409.3	1.505	58.04	27.91	8.773	118.9	816.4	5.901
#1	.0014	-.0049	.0616	.0004	-.0003	-.0014	-.0044	.0002	-.0032
#2	.0004	.0047	.0633	.0014	-.0004	-.0012	-.0024	.0000	-.0034
#3	-.0003	-.0037	.0616	.0009	-.0006	-.0012	.0005	-.0001	-.0030
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2266.4	5077.3	37885.	2908.0					
Stddev	1.4	6.6	147.	22.5					
%RSD	.06135	.12951	.38744	.77538					
#1	2266.0	5084.4	37783.	2917.4					
#2	2265.3	5071.4	38054.	2882.3					
#3	2268.0	5076.1	37820.	2924.3					

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Sample Name: CCV Acquired: 4/21/2016 17:39:07 Type: QC
Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2524	41.38	1.971	2.084	2.013	41.93	1.999	2.015	2.009
Stddev	.0003	1.97	.003	.094	.090	2.05	.001	.001	.003
%RSD	.1362	4.755	.1366	4.514	4.469	4.887	.0233	.0444	.1684
#1	.2528	43.59	1.970	2.191	2.113	44.24	1.999	2.015	2.006
#2	.2524	39.82	1.969	2.014	1.939	40.34	1.999	2.014	2.009
#3	.2522	40.73	1.974	2.048	1.987	41.20	1.998	2.015	2.013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.040	39.79	43.64	41.17	2.010	1.999	41.41	1.993	1.982
Stddev	.013	1.90	2.00	1.97	.002	.002	1.81	.002	.002

Sample Name: CCV Acquired: 4/21/2016 17:39:07 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2580.9	5553.0	42599.	3120.3
Stddev	3.2	7.4	101.	141.9
%RSD	.12547	.13397	.23713	4.5467
#1	2581.1	5561.1	42655.	2962.5
#2	2577.6	5546.5	42660.	3237.2
#3	2584.1	5551.3	42483.	3161.2

Sample Name: CCB Acquired: 4/21/2016 17:43:19 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0006	.0084	-.0004	.0000	-.0002	.0156	.0000	-.0001	.0000
Stddev	.0007	.0084	.0004	.001	.0001	.0021	.000	.0003	.000
%RSD	129.4	99.31	100.4	64300.	82.37	13.61	733.9	264.3	1791.
#1	.0000	.0131	.0000	.0005	-.0002	.0149	.0000	.0000	.0001
#2	.0002	-.0012	-.0003	.0004	-.0003	.0180	.0000	.0001	.0000
#3	.0014	.0134	-.0009	-.0009	.0000	.0140	-.0001	-.0004	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0001	.0050	.0084	.0102	-.0002	-.0001	.0453	-.0002	-.0005
Stddev	.0001	.0019	.0107	.0167	.0000	.0005	.0115	.0002	.0002
%RSD	171.0	37.99	127.3	163.1	2.518	335.7	25.37	120.3	34.01
#1	.0002	.0044	-.0038	-.0049	-.0002	.0003	.0480	-.0001	-.0005
#2	-.0001	.0071	.0132	.0281	-.0002	-.0001	.0326	-.0004	-.0006
#3	.0001	.0035	.0157	.0075	-.0002	-.0006	.0551	.0000	-.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	-.0001	.0001	.0029	.0000	-.0001	-.0006	-.0004	-.0004	.0006
Stddev	.0010	.0010	.0004	.000	.0001	.0001	.0006	.0002	.0000
%RSD	1071.	1534.	15.27	105.2	47.04	9.504	151.9	41.16	6.722
#1	.0010	.0010	.0031	.0000	-.0001	-.0006	-.0002	-.0002	.0006
#2	-.0009	.0003	.0024	-.0001	-.0001	-.0006	-.0011	-.0004	.0005
#3	-.0004	-.0010	.0031	.0000	-.0002	-.0007	.0001	-.0005	.0006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.2
7

Sample Name: CCB Acquired: 4/21/2016 17:43:19 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2992.4	5806.4	44707.	3160.9
Stddev	5.8	12.0	115.	17.5
%RSD	.19244	.20695	.25631	.55252
#1	2990.2	5803.5	44831.	3141.1
#2	2988.1	5796.2	44606.	3167.8
#3	2998.9	5819.7	44683.	3173.9

Sample Name: ICSAB Acquired: 4/21/2016 17:47:50 Type: Unk
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	F 1.059	F 515.4	1.062	.5466	.5120	F 506.9	.9570	.4820	.5187
Stddev	.005	1.2	.004	.0017	.0034	5.3	.0013	.0006	.0009
%RSD	.4299	.2241	.3633	.3149	.6667	1.049	.1316	.1327	.1764
#1	1.064	516.7	1.059	.5467	.5106	500.8	.9574	.4825	.5178
#2	1.058	514.9	1.061	.5483	.5158	510.0	.9556	.4813	.5186
#3	1.055	514.6	1.066	.5448	.5094	510.1	.9580	.4823	.5196

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.5584	189.2	.0105	F 524.6	.5098	.9555	.2403	.9465	.9598
Stddev	.0024	.9	.0514	2.5	.0006	.0006	.0070	.0017	.0021
%RSD	.4357	.4502	488.6	.4687	.1179	.0667	2.931	.1761	.2176
#1	.5612	189.1	-.0348	522.9	.5094	.9551	.2354	.9469	.9584
#2	.5566	190.1	.0663	527.4	.5096	.9552	.2484	.9447	.9622
#3	.5575	188.4	.0000	523.4	.5105	.9563	.2371	.9479	.9587

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	1.004	1.017	.0973	.9503	1.025	.9942	.9448	.4723	.9408
Stddev	.004	.002	.0004	.0015	.006	.0009	.0023	.0006	.0015
%RSD	.3794	.2169	.3687	.1551	.5857	.0951	.2425	.1295	.1573
#1	.9996	1.015	.0977	.9510	1.026	.9950	.9451	.4719	.9416
#2	1.007	1.019	.0971	.9486	1.031	.9932	.9424	.4720	.9391
#3	1.005	1.016	.0972	.9512	1.019	.9945	.9470	.4730	.9416

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2264.9	5126.5	38188.	2926.8
Stddev	3.3	2.9	74.	7.0
%RSD	.14464	.05627	.19330	.23802
#1	2264.6	5127.4	38257.	2934.8
#2	2261.8	5123.2	38110.	2922.4
#3	2268.3	5128.7	38196.	2923.1

Sample Name: CCV Acquired: 4/21/2016 17:52:16 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2576	42.31	1.989	2.132	2.047	42.97	2.022	2.047	2.052
Stddev	.0004	.37	.004	.015	.011	.24	.004	.004	.011
%RSD	.1716	.8721	.1911	.6826	.5469	.5687	.2214	.2117	.5169

#1	.2581	42.73	1.987	2.148	2.060	43.25	2.019	2.044	2.062
#2	.2575	42.09	1.987	2.120	2.042	42.80	2.019	2.044	2.054
#3	.2573	42.10	1.994	2.128	2.039	42.86	2.027	2.052	2.041

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.078	40.66	F 44.25	42.31	2.044	2.034	41.84	2.010	2.006
Stddev	.014	.29	.30	.25	.012	.004	.35	.004	.003
%RSD	.6683	.7217	.6747	.5903	.5906	.1723	.8438	.1813	.1659

#1	2.092	40.99	44.59	42.53	2.057	2.032	42.24	2.008	2.005
#2	2.064	40.58	44.09	42.36	2.040	2.033	41.62	2.007	2.004
#3	2.079	40.42	44.07	42.04	2.034	2.038	41.64	2.014	2.010

Check ? Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range 40.00 10.00%

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.012	2.028	1.438	2.068	2.044	2.019	2.018	1.997	1.986
Stddev	.004	.005	.004	.004	.014	.012	.007	.011	.004
%RSD	.1779	.2724	.2501	.1717	.6908	.5790	.3740	.5395	.1913

#1	2.008	2.023	1.436	2.066	2.060	2.032	2.017	2.009	1.984
#2	2.013	2.027	1.435	2.067	2.034	2.010	2.012	1.992	1.984
#3	2.014	2.034	1.442	2.072	2.037	2.014	2.026	1.990	1.991

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 4/21/2016 17:56:28 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0065	.0002	-0.004	-0.002	.0152	.0000	.0000	-0.002
Stddev	.0002	.0063	.0004	.0002	.0000	.0023	.000	.0000	.0001
%RSD	136.2	95.98	180.9	41.58	16.96	15.18	417.0	138.3	43.87

#1	.0001	.0109	-0.001	-0.004	-0.002	.0170	-0.001	.0000	-0.001
#2	-0.002	-0.006	.0001	-0.005	-0.002	.0161	.0000	.0001	-0.001
#3	-0.004	.0093	.0007	-0.002	-0.002	.0126	.0000	.0000	-0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	.0050	-0.0372	.0113	-0.003	.0001	.0249	-0.001	-0.003
Stddev	.0002	.0033	.0409	.0158	.0000	.0003	.0100	.0002	.0003
%RSD	69.45	65.91	109.9	140.3	3.337	435.0	40.13	252.9	100.3

#1	-0.001	.0074	.0098	.0274	-0.003	.0004	.0358	.0000	-0.001
#2	-0.003	.0065	-0.0644	-0.043	-0.003	.0001	.0226	-0.003	-0.007
#3	-0.004	.0012	-0.0570	.0108	-0.003	-0.002	.0162	.0000	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.0004	.0029	.0000	-0.001	-0.007	.0007	-0.004	.0006
Stddev	.0006	.0016	.0002	.000	.0001	.0001	.0003	.0000	.0000
%RSD	68.05	398.5	6.563	982.6	54.91	12.18	42.09	8.565	3.546

#1	.0006	.0016	.0031	-0.001	-0.001	-0.006	.0010	-0.004	.0007
#2	.0016	.0009	.0028	-0.004	-0.001	-0.007	.0008	-0.004	.0006
#3	.0005	-0.0014	.0028	.0004	-0.002	-0.007	.0004	-0.004	.0006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCV Acquired: 4/21/2016 17:52:16 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2537.6	5474.1	41739.	3031.1
Stddev	2.5	9.1	153.	25.8
%RSD	.09965	.16689	.36689	.85219

#1	2539.9	5482.1	41570.	3002.1
#2	2534.9	5475.9	41778.	3039.6
#3	2538.0	5464.1	41868.	3051.6

Sample Name: CCB Acquired: 4/21/2016 17:56:28 Type: QC
 Method: 60102007_042011(v73) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3002.1	5860.3	45355.	3217.4
Stddev	1.2	8.3	134.	6.3
%RSD	.03974	.14090	.29501	.19719

#1	3002.4	5865.9	45284.	3224.1
#2	3003.0	5864.2	45510.	3211.5
#3	3000.7	5850.8	45272.	3216.5

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000009	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000077	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000005	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000082	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000000	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000011	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000130	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000010	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000041	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000117	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000025	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	0.000035	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000035	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	-0.000013	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000007	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	-0.000057	0.561894	0.000000	1.000000
Al 396.152 {85}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.003008	0.222473	0.000000	1.000000
As 189.042 {478}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	-0.000531	0.160922	0.000000	1.000000
Ba 455.403 {74}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.007256	7.943254	0.000000	1.000000
Be 313.042 {108}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.005190	10.961083	0.000000	1.000000
Ca 317.933 {106}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.007708	0.242231	0.000000	1.000000
Cd 226.502 {449}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	-0.000423	4.541384	0.000000	1.000000
Co 228.616 {447}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.000066	2.420898	0.000000	1.000000
Cr 267.716 {126}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.000014	0.526596	0.000000	1.000000
Cu 324.754 {104}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.006579	0.828321	0.000000	1.000000
Fe 259.940 {130}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.003646	0.156018	0.000000	1.000000
In 230.606 {446}*	4/21/2016 10:23:54	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 {44}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	-0.011556	0.098642	0.000000	1.000000
Mg 279.079 {121}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	-0.000679	0.026328	0.000000	1.000000
Mn 257.610 {131}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.001981	2.775493	0.000000	1.000000
Mo 202.030 {467}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.002193	0.941880	0.000000	1.000000
Na 589.592 {57}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	-0.010431	0.421334	0.000000	1.000000
Ni 231.604 {445}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.000237	1.476778	0.000000	1.000000
Pb 220.353 {453}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.000436	0.812729	0.000000	1.000000
Sb 206.833 {463}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.000709	0.219919	0.000000	1.000000
Se 196.090 {472}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	-0.000220	0.110550	0.000000	1.000000
Si 212.412 {459}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.003407	0.402978	0.000000	1.000000
Sn 189.989 {477}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.000547	0.348973	0.000000	1.000000
Sr 407.771 {83}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.008350	15.077161	0.000000	1.000000
Ti 334.941 {101}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.004248	1.945698	0.000000	1.000000
Tl 190.856 {477}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	-0.001417	0.254369	0.000000	1.000000
V 292.402 {115}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	-0.000296	0.689780	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 {94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 {91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	4/21/2016 10:23:54	4/21/2016 9:56:02	Linear	1/Conc	0.001240	2.301569	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999999	0.000008	0.000391	0.001302	OK	1.000000	0.000000	1	0
Al 396.152 {85}	0.999803	0.007128	0.009967	0.033222	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999778	0.000273	0.000855	0.002850	OK	1.000000	0.000000	1	0
Ba 455.403 {74}	0.999897	0.009186	0.000352	0.001172	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999940	0.009710	0.000081	0.000270	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999840	0.006977	0.004241	0.014137	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999967	0.002988	0.000049	0.000164	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999976	0.001355	0.000103	0.000344	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999961	0.000372	0.000260	0.000867	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999949	0.000669	0.000246	0.000821	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999916	0.003265	0.003305	0.011018	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 {44}	0.999677	0.004038	0.037837	0.126124	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999792	0.000866	0.025261	0.084204	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999888	0.003341	0.000043	0.000144	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999997	0.000186	0.000149	0.000497	OK	1.000000	0.000000	1	0
Na 589.592 {57}	0.999696	0.016733	0.009538	0.031795	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999982	0.000721	0.000173	0.000575	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999745	0.001485	0.000602	0.002007	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999821	0.000335	0.001022	0.003407	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999851	0.000154	0.001806	0.006022	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.978770	0.006796	0.000398	0.001328	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999944	0.000298	0.000335	0.001118	OK	1.000000	0.000000	1	0
Sr 407.771 {83}	0.999995	0.003736	0.000119	0.000395	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999981	0.000976	0.000107	0.000355	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999926	0.000250	0.001078	0.003594	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999998	0.000122	0.000252	0.000839	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 {94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 {91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999965	0.001547	0.000071	0.000238	OK	1.000000	0.000000	1	0

Sample Name: Blank Acquired: 4/22/2016 10:03:35 Type: Cal
Method: 60102007_042011(v75) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.003	0.020	-0.007	0.036	0.035	0.074	-0.009	-0.005	-0.002
Stddev	.0001	.0009	.0001	.0007	.0006	.0008	.0001	.0000	.0000
%RSD	35.58	46.75	9.593	19.68	17.84	10.95	13.26	8.789	21.24
#1	-0.002	.0010	-0.006	.0045	.0042	.0084	-0.008	-0.005	-0.001
#2	-0.004	.0022	-0.008	.0032	.0035	.0069	-0.009	-0.006	-0.002
#3	-0.002	.0028	-0.007	.0033	.0029	.0071	-0.011	-0.006	-0.001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.066	0.019	-0.074	-0.003	0.009	0.014	-0.076	-0.004	0.006
Stddev	.0003	.0003	.0050	.0006	.0001	.0001	.0042	.0002	.0001
%RSD	4.556	15.86	67.90	208.7	9.491	10.67	54.56	41.71	15.58
#1	.0069	.0021	-.0022	.0002	.0009	.0015	-.0028	-0.002	.0007
#2	.0063	.0022	-.0077	.0000	.0008	.0014	-0.100	-0.005	.0006
#3	.0067	.0016	-.0122	-.0010	.0009	.0012	-0.101	-0.006	.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.008	0.001	0.043	0.004	0.055	0.019	-0.015	-0.005	0.007
Stddev	.0001	.0001	.0001	.0001	.0009	.0002	.0001	.0001	.0001
%RSD	11.19	183.5	1.976	36.01	16.23	11.66	5.739	10.67	12.78
#1	.0007	.0002	.0042	.0005	.0064	.0021	-.0015	-.0005	.0008
#2	.0009	.0000	.0044	.0002	.0053	.0017	-.0016	-0.006	.0006
#3	.0008	.0000	.0043	.0004	.0047	.0017	-.0015	-0.005	.0007
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2711.3	4995.1	42759.	3795.1					
Stddev	5.8	22.3	110.	13.6					
%RSD	.21377	.44568	.25706	.35709					
#1	2717.6	5020.2	42869.	3794.1					
#2	2706.1	4977.9	42759.	3782.1					
#3	2710.2	4987.3	42649.	3809.1					

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Sample Name: LowStd Acquired: 4/22/2016 10:08:02 Type: Cal
Method: 60102007_042011(v75) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.049	2.125	0.076	4.316	5.362	2.289	2.245	1.267	2.529
Stddev	.0006	.004	.0001	.008	.018	.010	.003	.002	.0019
%RSD	1.666	.1668	.1255	.1889	.3283	.4491	.1309	.1851	.7384
#1	.0355	2.122	.0764	4.320	5.358	2.281	2.247	1.269	.2536
#2	.0347	2.129	.0763	4.322	5.381	2.300	2.246	1.267	.2543
#3	.0344	2.124	.0764	4.307	5.346	2.285	2.242	1.265	.2508
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.559	1.661	9.084	2.304	1.354	5.197	3.893	.7573	3.745
Stddev	.0004	.005	.0065	.0021	.009	.0003	.006	.0011	.0004
%RSD	.0827	.2944	.7206	.9318	.6323	.0601	.1643	.1414	.0998
#1	.4562	1.660	9.039	2.295	1.356	5.196	3.900	.7586	.3741
#2	.4555	1.667	9.159	2.328	1.361	5.200	3.891	.7567	.3748
#3	.4560	1.657	9.054	2.288	1.344	5.194	3.888	.7567	.3745
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.164	0.546	1.912	1.865	8.232	1.018	1.247	3.403	1.026
Stddev	.0006	.0003	.0007	.0004	.014	.003	.0003	.0006	.005
%RSD	.4739	.5414	.3831	.2056	.1714	.3182	.2140	.1829	.4520
#1	.1169	.0547	.1917	.1869	8.216	1.017	.1250	.3404	1.024
#2	.1165	.0548	.1904	.1864	8.241	1.021	.1247	.3408	1.031
#3	.1158	.0543	.1916	.1861	8.240	1.014	.1244	.3396	1.023
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2521.4	4901.4	42019.	3760.3					
Stddev	5.3	3.1	154.	11.0					
%RSD	.21122	.06277	.36717	.29337					
#1	2525.2	4897.9	41936.	3764.2					
#2	2515.3	4902.7	41923.	3747.9					
#3	2523.7	4903.6	42197.	3768.9					

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Sample Name: MidStd Acquired: 4/22/2016 10:11:30 Type: Cal
Method: 60102007_042011(v75) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.403	9.156	3.229	18.05	22.05	9.720	9.102	5.104	1.026
Stddev	.0004	.015	.0007	.05	.02	.019	.006	.001	.004
%RSD	.2646	.1670	.2131	.2740	.1046	.1980	.0624	.0110	.3872
#1	.1400	9.138	3.223	18.00	22.03	9.697	9.105	5.104	1.029
#2	.1407	9.165	3.226	18.10	22.04	9.730	9.096	5.105	1.022
#3	.1402	9.164	3.237	18.04	22.07	9.731	9.106	5.104	1.028
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.840	6.212	3.952	9.936	5.493	2.037	16.69	3.030	1.573
Stddev	.008	.012	.013	.0020	.015	.000	.06	.005	.002
%RSD	.4272	.1947	.3259	.2044	.2722	.0185	.3338	.1554	.0942
#1	1.834	6.200	3.938	.9917	5.508	2.036	16.63	3.027	1.575
#2	1.849	6.224	3.955	.9957	5.478	2.037	16.74	3.028	1.572
#3	1.837	6.212	3.963	.9933	5.494	2.037	16.70	3.036	1.574
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.800	2.260	6.324	7.192	32.77	4.019	5.185	1.343	4.159
Stddev	.0011	.0006	.0012	.0014	.02	.002	.0010	.004	.004
%RSD	.2348	.2597	.1821	.1884	.0718	.0463	.2013	.3255	.0992
#1	.4788	.2255	6.317	.7193	32.78	4.019	5.173	1.345	4.164
#2	.4809	.2267	6.338	.7206	32.75	4.021	5.194	1.338	4.157
#3	.4805	.2260	6.319	.7179	32.79	4.018	5.187	1.346	4.157
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2297.8	4730.0	40280.	3681.3					
Stddev	1.7	5.5	18.	19.5					
%RSD	.07520	.11637	.04390	.52889					
#1	2296.2	4734.7	40291.	3703.4					
#2	2299.7	4731.3	40259.	3666.7					
#3	2297.6	4724.0	40289.	3673.8					

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Sample Name: HighStd Acquired: 4/22/2016 10:15:16 Type: Cal
Method: 60102007_042011(v75) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.807	18.20	6.493	36.06	43.66	19.13	17.86	10.04	1.999
Stddev	.0006	.02	.0010	.07	.10	.04	.03	.01	.004
%RSD	.2254	.1317	.1554	.1936	.2354	.1911	.1867	.0698	.1936
#1	.2802	18.21	6.481	36.01	43.78	19.16	17.84	10.04	2.003
#2	.2814	18.17	6.498	36.03	43.65	19.09	17.83	10.03	2.000
#3	.2804	18.21	6.499	36.14	43.57	19.16	17.89	10.05	1.995
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.661	12.47	7.826	1.971	10.44	4.058	33.43	5.940	3.183
Stddev	.009	.03	.026	.005	.05	.003	.06	.008	.003
%RSD	.2434	.2703	.3267	.2389	.5250	.0784	.1849	.1309	.0923
#1	3.671	12.50	7.803	1.976	10.45	4.060	33.49	5.937	3.179
#2	3.653	12.45	7.821	1.967	10.48	4.054	33.43	5.934	3.185
#3	3.660	12.44	7.854	1.970	10.37	4.058	33.36	5.949	3.184
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S						

Sample Name: HSTD Acquired: 4/22/2016 10:19:08 Type: QC
 Method: 60102007_042011(v75) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5065	80.85	4.076	4.037	4.024	80.07	4.017	4.012	3.987
Stddev	.0005	.25	.006	.007	.009	.17	.007	.009	.033
%RSD	.1047	.3150	.1420	.1857	.2119	.2181	.1747	.2117	.8309

#1	.5059	80.73	4.083	4.030	4.023	80.00	4.021	4.020	3.963
#2	.5065	80.67	4.072	4.038	4.016	79.94	4.021	4.015	3.972
#3	.5069	81.14	4.074	4.045	4.033	80.26	4.009	4.003	4.025

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.037	80.07	80.76	80.34	3.966	4.022	81.28	4.016	4.079
Stddev	.009	.26	.15	.48	.026	.009	.14	.004	.007
%RSD	.2222	.3194	.1898	.5951	.6615	.2284	.1757	.1062	.1702

#1	4.036	79.93	80.61	79.96	3.969	4.031	81.35	4.017	4.081
#2	4.046	79.91	80.76	80.18	3.938	4.022	81.11	4.020	4.085
#3	4.028	80.36	80.91	80.87	3.990	4.013	81.37	4.012	4.072

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.059	4.058	4.681	3.982	4.033	3.982	4.032	4.018	4.011
Stddev	.006	.008	.011	.008	.018	.018	.007	.029	.014
%RSD	.1404	.1997	.2371	.2006	.4405	.4568	.1660	.7252	.3355

#1	4.066	4.066	4.693	3.989	4.020	3.964	4.040	3.992	4.020
#2	4.056	4.050	4.671	3.983	4.025	3.982	4.030	4.011	4.017
#3	4.056	4.058	4.680	3.973	4.053	4.000	4.027	4.050	3.996

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 4/22/2016 10:19:08 Type: QC
 Method: 60102007_042011(v75) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2105.8	4515.6	39194.	3612.7
Stddev	2.3	4.1	203.	13.6
%RSD	.11037	.09096	.51691	.37768

#1	2105.3	4513.6	39341.	3618.7
#2	2108.4	4520.4	39278.	3622.4
#3	2103.8	4513.0	38963.	3597.1

Sample Name: ICV Acquired: 4/22/2016 10:27:46 Type: QC
 Method: 60102007_042011(v75) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2467	41.19	2.026	2.047	2.083	41.77	2.075	2.067	2.068
Stddev	.0007	.17	.006	.009	.004	.21	.003	.004	.013
%RSD	.2785	.4216	.2960	.4569	.2156	.5125	.1569	.1811	.6457

#1	.2464	41.36	2.020	2.057	2.087	42.01	2.073	2.064	2.062
#2	.2475	41.18	2.026	2.046	2.084	41.67	2.072	2.065	2.084
#3	.2462	41.02	2.032	2.038	2.078	41.62	2.078	2.071	2.060

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.000	41.84	41.27	42.38	2.162	1.949	42.30	2.096	2.047
Stddev	.005	.14	.17	.04	.015	.004	.17	.003	.004
%RSD	.2568	.3357	.4074	.0960	.6917	.1777	.4099	.1582	.1905

#1	1.995	41.98	41.43	42.42	2.154	1.948	42.46	2.096	2.049
#2	1.999	41.85	41.27	42.39	2.179	1.947	42.33	2.092	2.042
#3	2.006	41.70	41.10	42.34	2.153	1.953	42.12	2.099	2.049

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.039	2.055	1.007	2.080	1.944	2.023	2.110	1.957	2.086
Stddev	.006	.002	.0013	.004	.009	.008	.002	.006	.006
%RSD	.2899	.0750	1.264	.1826	.4845	.3809	.1088	.3263	.2734

#1	2.043	2.053	.1000	2.078	1.952	2.017	2.112	1.956	2.082
#2	2.032	2.055	.1022	2.077	1.947	2.032	2.107	1.964	2.083
#3	2.041	2.056	.0999	2.084	1.934	2.020	2.111	1.951	2.092

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 4/22/2016 10:27:46 Type: QC
 Method: 60102007_042011(v75) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2279.6	4675.1	39944.	3642.6
Stddev	3.5	1.9	177.	14.1
%RSD	.15447	.04031	.44355	.38730

#1	2278.3	4676.4	40099.	3626.8
#2	2276.9	4673.0	39751.	3654.1
#3	2283.6	4676.1	39982.	3646.9

Sample Name: ICB Acquired: 4/22/2016 10:34:09 Type: QC
 Method: 60102007_042011(v75) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0028	.0002	.0002	-0.001	-0.014	.0000	.0000	-0.001
Stddev	.0002	.0049	.0005	.0001	.0001	.0028	.000	.000	.0001
%RSD	207.5	175.8	260.6	56.10	98.62	193.4	41.30	124.9	71.44
#1	-.0002	.0080	.0008	.0004	.0000	.0015	.0000	.0000	.0000
#2	.0001	.0022	-.0001	.0001	-.0001	-.0017	.0000	.0000	-.0002
#3	-.0001	-.0018	-.0001	.0002	-.0001	-.0040	.0000	-.0001	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.006	.0320	-0.017	.0000	-0.002	.0030	.0001	.0000
Stddev	.0002	.0036	.0279	.0192	.000	.0000	.0054	.0000	.0001
%RSD	274.9	574.3	87.22	1159.	343.6	29.74	182.1	39.25	700.7
#1	.0001	.0020	.0067	-.0016	.0001	-.0001	.0090	.0002	.0000
#2	-.0001	-.0048	.0620	-.0209	-.0001	-.0001	-.0014	.0001	-.0001
#3	-.0002	.0009	.0274	.0176	-.0001	-.0002	.0012	.0002	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.009	-0.012	-0.003	.0004	-0.001	.0000	.0002	.0000	-0.001
Stddev	.0002	.0010	.0002	.0003	.0000	.000	.0011	.000	.0001
%RSD	17.81	79.05	56.34	68.48	38.92	129.6	496.1	553.2	48.59
#1	-.0008	-.0023	-.0003	.0007	-.0001	.0000	-.0008	.0001	-.0001
#2	-.0011	-.0004	-.0004	.0003	-.0001	-.0001	.0013	-.0001	-.0001
#3	-.0009	-.0010	-.0001	.0001	-.0002	-.0001	.0001	.0000	-.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 4/22/2016 10:34:09 Type: QC
 Method: 60102007_042011(v75) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2684.8	4932.3	42411.	3764.3
Stddev	.7	10.3	169.	4.2
%RSD	.02580	.20924	.39786	.11098
#1	2685.2	4944.3	42529.	3769.1
#2	2684.0	4926.2	42217.	3762.3
#3	2685.1	4926.5	42485.	3761.5

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CRIA Acquired: 4/22/2016 10:39:38 Type: QC
 Method: 60102007_042011(v75) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0094	.2057	.0112	.2096	.0050	1.089	.0056	.0562	.0110
Stddev	.0001	.0159	.0001	.0013	.0000	.015	.0001	.0001	.0003
%RSD	.9263	7.711	.7184	.6095	.0487	1.359	.9438	2.450	2.322
#1	.0093	.1891	.0112	.2111	.0050	1.084	.0055	.0564	.0109
#2	.0095	.2207	.0111	.2091	.0050	1.078	.0056	.0561	.0109
#3	.0093	.2072	.0112	.2087	.0050	1.106	.0056	.0562	.0113

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0276	.3180	10.50	5.265	.0171	.0517	10.68	.0459	.0052
Stddev	.0002	.0032	.07	.050	.0001	.0002	.02	.0000	.0003
%RSD	.7871	1.017	.6705	.9546	.3355	.3478	.1798	.0578	4.816
#1	.0277	.3147	10.46	5.312	.0171	.0518	10.70	.0458	.0051
#2	.0274	.3182	10.46	5.270	.0171	.0517	10.66	.0459	.0051
#3	.0278	.3211	10.58	5.212	.0172	.0515	10.68	.0459	.0055

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0053	.0096	.0116	.0555	.0102	.0106	.0109	.0517	F .0243
Stddev	.0004	.0018	.0001	.0008	.0001	.0000	.0006	.0003	.0001
%RSD	6.906	18.93	.9262	1.471	.6594	.3733	5.757	.5537	.5408
#1	.0050	.0081	.0115	.0546	.0102	.0106	.0116	.0514	.0244
#2	.0057	.0092	.0117	.0562	.0101	.0107	.0107	.0518	.0241
#3	.0053	.0116	.0116	.0557	.0103	.0106	.0103	.0520	.0243

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail
 Value Range
 .0200
 20.00%

Sample Name: CRIA Acquired: 4/22/2016 10:39:38 Type: QC
 Method: 60102007_042011(v75) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2554.6	4837.6	41469.	3773.5
Stddev	4.1	9.2	71.	21.8
%RSD	.15975	.19082	.17035	.57886
#1	2551.8	4839.0	41536.	3748.9
#2	2552.8	4827.7	41477.	3790.7
#3	2559.3	4846.0	41395.	3780.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSA Acquired: 4/22/2016 10:46:13 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	514.0	.0004	-0.0003	-0.0003	493.4	.0000	-0.0002	.0000
Stddev	.0003	3.8	.0015	.0002	.0000	1.6	.000	.0002	.000
%RSD	487.1	.7416	329.2	66.74	10.53	.3189	5256.	91.39	1059.
#1	.0003	514.4	.0003	-.0004	-.0003	494.9	.0003	-.0004	.0004
#2	-.0003	517.5	-.0009	-.0004	-.0003	493.6	.0000	-.0001	-.0004
#3	-.0001	509.9	.0020	-.0001	-.0004	491.8	-.0003	-.0001	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	191.9	-0.460	537.4	-0.0003	.0000	.1222	.0003	-0.001
Stddev	.0004	.4	.0468	.3	.0000	.0003	.0103	.0000	.0020
%RSD	3674.	.1875	101.6	.0556	7.113	1038.	8.400	18.23	1877.
#1	.0002	191.9	-.0805	537.0	-.0003	.0003	.1314	.0002	-.0003
#2	-.0004	191.5	-.0647	537.6	-.0003	-.0004	.1111	.0003	.0019
#3	.0003	192.2	.0072	537.5	-.0003	.0002	.1242	.0002	-.0020

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0000	.0595	F .0014	-0.0001	.0001	-0.0005	.0008	-0.0017
Stddev	.0009	.0038	.0005	.0003	.0001	.0001	.0020	.0001	.0002
%RSD	130.3	9895.	.8549	20.97	53.18	166.6	396.9	14.23	9.273
#1	.0001	.0042	.0589	.0018	-.0001	.0000	.0009	.0007	-.0016
#2	.0017	-.0032	.0599	.0012	-.0002	.0000	.0003	.0007	-.0019
#3	.0003	-.0009	.0597	.0013	-.0002	.0002	-.0027	.0009	-.0016

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 4/22/2016 10:46:13 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2011.1	4339.5	36033.	3413.2
Stddev	3.8	10.1	186.	6.8
%RSD	.19077	.23363	.51594	.20011
#1	2007.8	4330.5	36192.	3411.4
#2	2015.3	4337.6	35829.	3407.5
#3	2010.2	4350.5	36080.	3420.8

Sample Name: ICSAB Acquired: 4/22/2016 10:56:51 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.051	512.4	1.123	.5239	.5296	499.1	1.010	.4922	.5371
Stddev	.004	8.9	.002	.0015	.0026	4.7	.002	.0006	.0018
%RSD	.3291	1.728	.1761	.2785	.4940	.9408	.1809	.1292	.3444
#1	1.054	506.4	1.124	.5226	.5278	502.8	1.009	.4926	.5365
#2	1.047	508.3	1.120	.5236	.5284	493.8	1.012	.4925	.5356
#3	1.052	522.6	1.123	.5255	.5326	500.7	1.008	.4914	.5391

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5407	192.5	.0566	533.7	.5438	.9702	.1303	1.000	1.001
Stddev	.0007	.7	.0123	3.4	.0018	.0015	.0139	.003	.003
%RSD	.1362	.3787	21.79	.6322	.3337	.1499	10.69	.2529	.2449
#1	.5414	192.4	.0648	534.1	.5426	.9706	.1197	1.002	1.001
#2	.5408	191.8	.0424	530.2	.5429	.9714	.1460	1.001	1.004
#3	.5399	193.3	.0627	536.9	.5459	.9686	.1251	.9972	.9986

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.031	1.041	.0973	.9606	1.025	1.048	.9692	.5003	1.011
Stddev	.005	.010	.0012	.0026	.002	.003	.0045	.0017	.004
%RSD	.4652	.9325	1.239	.2692	.2363	.2901	.4619	.3415	.3716
#1	1.036	1.050	.0971	.9576	1.024	1.046	.9705	.5008	1.008
#2	1.029	1.031	.0986	.9618	1.022	1.046	.9729	.4985	1.015
#3	1.028	1.042	.0963	.9622	1.027	1.051	.9643	.5018	1.010

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 4/22/2016 10:56:51 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1992.1	4324.5	35789.	3398.4
Stddev	2.0	8.0	90.	16.7
%RSD	.09842	.18487	.25097	.49201
#1	1989.8	4316.2	35881.	3399.3
#2	1993.1	4325.1	35701.	3414.7
#3	1993.3	4332.1	35785.	3381.3

Sample Name: CCV Acquired: 4/22/2016 11:04:05 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2492	40.45	2.036	1.967	2.035	41.12	2.104	2.056	2.126
Stddev	.0016	.06	.007	.003	.002	.03	.003	.003	.002
%RSD	.6559	.1582	.3567	.1283	.0793	.0741	.1454	.1421	.0811

#1	.2506	40.47	2.033	1.969	2.034	41.11	2.102	2.057	2.125
#2	.2474	40.50	2.045	1.968	2.035	41.15	2.107	2.058	2.125
#3	.2497	40.38	2.032	1.964	2.037	41.09	2.102	2.053	2.128

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.945	40.13	40.23	41.50	2.164	2.021	40.47	2.089	2.062
Stddev	.002	.01	.04	.15	.008	.003	.06	.005	.004
%RSD	.0822	.0243	.0955	.3730	.3798	.1555	.1482	.2217	.1954

#1	1.947	40.14	40.24	41.66	2.158	2.018	40.45	2.088	2.058
#2	1.946	40.13	40.27	41.48	2.161	2.024	40.54	2.095	2.064
#3	1.944	40.12	40.19	41.36	2.174	2.019	40.43	2.085	2.065

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.982	2.010	1.437	2.062	1.970	2.096	2.036	2.091	2.122
Stddev	.007	.004	.004	.002	.002	.005	.006	.005	.004
%RSD	.3471	.2190	.3131	.0926	.0748	.2382	.3170	.2337	.1667

#1	1.978	2.007	1.434	2.064	1.969	2.092	2.029	2.091	2.126
#2	1.990	2.015	1.442	2.060	1.971	2.094	2.042	2.086	2.120
#3	1.979	2.008	1.435	2.062	1.969	2.102	2.037	2.096	2.120

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/22/2016 11:04:05 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2296.0	4773.9	39888.	3618.6
Stddev	6.3	16.1	20.	4.6
%RSD	.27529	.33754	.04912	.12743

#1	2302.7	4784.6	39910.	3619.4
#2	2290.1	4755.4	39882.	3613.6
#3	2295.1	4781.7	39873.	3622.8

Sample Name: CCB Acquired: 4/22/2016 11:09:59 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0050	.0007	.0000	.0000	.0117	.0000	.0001	.0001
Stddev	.0001	.0034	.0005	.0000	.0001	.0029	.0000	.0001	.0002
%RSD	103.2	68.24	74.08	50.07	2367.	24.88	16.40	150.4	297.0

#1	.0003	.0033	.0012	.0000	.0000	.0150	.0000	.0001	-.0002
#2	.0002	.0089	.0006	.0000	-.0001	.0093	.0000	.0001	.0002
#3	.0000	.0027	.0002	.0000	.0000	.0109	.0000	.0000	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	.0052	.0384	.0100	.0001	-0.001	-0.014	.0001	-0.003
Stddev	.0003	.0028	.0262	.0083	.0000	.0002	.0057	.0003	.0002
%RSD	91.66	53.34	68.23	83.03	9.004	118.1	395.7	571.5	72.29

#1	-.0005	.0066	.0469	.0185	.0002	.0000	-.0033	.0004	.0000
#2	-.0003	.0020	.0592	.0097	.0002	-.0003	-.0060	-.0001	-.0003
#3	.0000	.0071	.0090	.0019	.0001	-.0002	.0050	-.0001	-.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-0.0015	-0.0002	.0002	.0000	.0001	-0.004	.0001	.0001
Stddev	.0008	.0012	.0004	.0002	.0001	.0000	.0007	.0003	.0001
%RSD	482.8	78.63	165.5	87.88	673.1	84.29	174.9	276.5	98.78

#1	.0010	-.0020	-.0005	.0004	.0002	.0001	.0002	.0002	.0002
#2	-.0007	-.0024	-.0004	.0003	-.0001	.0001	-.0011	-.0002	.0001
#3	.0003	-.0002	.0002	.0000	.0000	.0000	-.0003	.0003	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/22/2016 11:09:59 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2692.8	4971.8	42269.	3730.3
Stddev	5.8	7.3	209.	12.0
%RSD	.21445	.14713	.49355	.32122

#1	2689.6	4968.8	42045.	3725.3
#2	2699.5	4980.2	42303.	3743.9
#3	2689.4	4966.5	42458.	3721.6

Sample Name: MP30266-MB1 Acquired: 4/22/2016 11:17:39 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0024	-0.0111	-0.004	-0.003	-0.0035	-0.002	-0.002	.0000
Stddev	.0002	.0028	.0006	.0001	.0001	.0015	.0000	.0001	.000
%RSD	191.4	115.1	50.53	20.36	22.82	42.27	13.31	58.80	1115.

#1	.0000	-0.0008	-0.016	-0.004	-0.004	-0.0028	-0.002	-0.001	.0001
#2	.0000	.0036	-0.013	-0.003	-0.003	-0.0025	-0.002	-0.001	.0001
#3	.0003	.0044	-0.005	-0.005	-0.002	-0.0052	-0.001	-0.003	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0040	.0158	.0090	-0.0011	-0.006	.0141	-0.002	-0.005
Stddev	.0002	.0032	.0417	.0229	.0000	.0001	.0104	.0001	.0010
%RSD	294.9	79.52	264.8	253.4	24.00	17.50	73.28	39.51	198.7

#1	.0002	-0.0067	.0377	.0259	-0.001	-0.005	.0128	-0.002	.0004
#2	-0.001	-0.0049	.0419	.0182	-0.001	-0.006	.0251	-0.002	-0.0015
#3	.0000	-0.0005	-0.324	-0.170	-0.001	-0.007	.0045	-0.003	-0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	-0.0005	.0089	.0005	-0.002	-0.002	-0.011	-0.001	-0.002
Stddev	.0005	.0014	.0000	.0003	.0001	.0001	.0003	.0002	.0000
%RSD	55.92	261.2	.5448	48.47	37.11	27.48	25.95	261.1	14.16

#1	.0010	-0.0014	.0089	.0003	-0.003	-0.002	-0.015	.0001	-0.002
#2	.0003	-0.0013	.0090	.0008	-0.002	-0.002	-0.009	-0.003	-0.002
#3	.0012	.0011	.0089	.0005	-0.002	-0.003	-0.010	.0000	-0.002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30266-MB1 Acquired: 4/22/2016 11:17:39 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2670.2	4910.2	4297.0	3774.8
Stddev	4.2	.7	33.	36.8
%RSD	.15601	.01437	.07606	.97517

#1	2665.4	4909.5	43007.	3795.1
#2	2672.4	4910.1	42946.	3732.3
#3	2672.9	4910.9	42957.	3796.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0040	.0158	.0090	-0.0011	-0.006	.0141	-0.002	-0.005
Stddev	.0002	.0032	.0417	.0229	.0000	.0001	.0104	.0001	.0010
%RSD	294.9	79.52	264.8	253.4	24.00	17.50	73.28	39.51	198.7

#1	.0002	-0.0067	.0377	.0259	-0.001	-0.005	.0128	-0.002	.0004
#2	-0.001	-0.0049	.0419	.0182	-0.001	-0.006	.0251	-0.002	-0.0015
#3	.0000	-0.0005	-0.324	-0.170	-0.001	-0.007	.0045	-0.003	-0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	-0.0005	.0089	.0005	-0.002	-0.002	-0.011	-0.001	-0.002
Stddev	.0005	.0014	.0000	.0003	.0001	.0001	.0003	.0002	.0000
%RSD	55.92	261.2	.5448	48.47	37.11	27.48	25.95	261.1	14.16

#1	.0010	-0.0014	.0089	.0003	-0.003	-0.002	-0.015	.0001	-0.002
#2	.0003	-0.0013	.0090	.0008	-0.002	-0.002	-0.009	-0.003	-0.002
#3	.0012	.0011	.0089	.0005	-0.002	-0.003	-0.010	.0000	-0.002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30266-B1 Acquired: 4/22/2016 11:22:11 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0496	27.56	2.074	2.090	.0539	26.31	.0541	.5339	2172
Stddev	.0003	.16	.003	.013	.0002	.19	.0001	.0002	.0002
%RSD	.7039	.5961	.1485	.6163	.2782	.7363	.1319	.0407	.1120

#1	.0500	27.42	2.070	2.077	.0538	26.12	.0541	.5338	2173
#2	.0495	27.53	2.075	2.088	.0541	26.30	.0541	.5337	2169
#3	.0493	27.74	2.076	2.103	.0540	26.50	.0540	.5341	2173

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2671	27.36	25.45	25.83	.5620	.5102	25.88	.5460	.5143
Stddev	.0015	.14	.12	.29	.0025	.0008	.09	.0008	.0008
%RSD	.5598	.5100	.4732	1.124	.4425	.1566	.3476	.1408	.1608

#1	.2662	27.20	25.32	25.42	.5638	.5093	25.79	.5468	.5137
#2	.2688	27.39	25.48	25.50	.5591	.5107	25.90	.5453	.5152
#3	.2662	27.48	25.56	25.95	.5630	.5107	25.97	.5460	.5141

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5258	2.073	.0212	.5268	.4925	.5231	2.063	.5150	.5392
Stddev	.0046	.006	.0003	.0011	.0033	.0012	.004	.0023	.0012
%RSD	.8691	.3094	1.286	.2000	.6666	.2221	.2079	.4510	.2285

#1	.5283	2.065	.0214	.5274	.4889	.5220	2.062	.5169	.5380
#2	.5205	2.076	.0209	.5256	.4933	.5230	2.068	.5124	.5404
#3	.5285	2.077	.0213	.5274	.4953	.5243	2.060	.5157	.5392

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30266-B1 Acquired: 4/22/2016 11:22:11 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2386.6	4732.9	40493.	3663.0
Stddev	4.1	4.6	188.	18.1
%RSD	.17322	.09769	.46518	.49513

#1	2389.9	4738.1	40288.	3683.8
#2	2382.0	4729.2	40534.	3654.4
#3	2388.0	4731.4	40658.	3650.7

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0040	.0158	.0090	-0.0011	-0.006	.0141	-0.002	-0.005
Stddev	.0002	.0032	.0417	.0229	.0000	.0001	.0104	.0001	.0010
%RSD	294.9	79.52	264.8	253.4	24.00	17.50	73.28	39.51	198.7

#1	.0002	-0.0067	.0377	.0259	-0.001	-0.005	.0128	-0.002	.0004
#2	-0.001	-0.0049	.0419	.0182	-0.001	-0.006	.0251	-0.002	-0.0015
#3	.0000	-0.0005	-0.324	-0.170	-0.001	-0.007	.0045	-0.003	-0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	-0.0005	.0089	.0005	-0.002	-0.002	-0.011	-0.001	-0.002
Stddev	.0005	.0014	.0000	.0003	.0001	.0001	.0003	.0002	.0000
%RSD	55.92	261.2	.5448	48.47	37.11	27.48	25.95	261.1	14.16

#1	.0010	-0.0014	.0089	.0003	-0.003	-0.002	-0.015	.0001	-0.002
#2	.0003	-0.0013	.0090	.0008	-0.002	-0.002	-0.009	-0.003	-0.002
#3	.0012	.0011	.0089	.0005	-0.002	-0.003	-0.010	.0000	-0.002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: FA33273-1 Acquired: 4/22/2016 11:26:24 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	.0810	.0012	.0131	-.0003	154.1	-.0002	-.0001	.0006
Stddev	.0003	.0113	.0009	.0003	.0001	1.7	.0000	.0001	.0001
%RSD	138.9	13.93	71.64	2.278	21.55	1.072	5.494	60.46	16.39
#1	.0000	.0708	.0017	.0133	-.0003	152.6	-.0002	.0000	.0007
#2	.0001	.0931	.0017	.0134	-.0004	155.8	-.0002	-.0001	.0005
#3	.0005	.0791	.0002	.0128	-.0003	153.8	-.0002	-.0002	.0005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	-.0001	2.009	7.164	2.148	.0127	.0008	7.582	.0000	-.0008
Stddev	.0002	.022	.103	.039	.0000	.0001	.074	.0003	.0009
%RSD	307.3	1.093	1.433	1.791	.3527	8.108	.9825	810.5	108.7
#1	.0001	1.995	7.078	2.145	.0127	.0008	7.529	.0002	-.0005
#2	-.0003	2.034	7.277	2.187	.0127	.0009	7.667	.0002	-.0001
#3	.0000	1.997	7.137	2.110	.0127	.0007	7.549	-.0003	-.0019
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0000	.0001	2.455	.0005	2.825	.0023	-.0001	.0014	.0043
Stddev	.001	.0023	.005	.0004	.028	.0002	.0010	.0003	.0000
%RSD	1169.0	382.2	1.433	1.791	.9935	8.288	665.8	22.81	-.3693
#1	-.0001	-.0024	2.450	.0006	2.802	.0025	-.0009	.0018	.0093
#2	.0008	.0021	2.460	.0001	2.856	.0021	-.0005	.0012	.0092
#3	-.0007	.0005	2.456	.0007	2.816	.0024	.0009	.0013	.0093
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2375.2	4608.6	3954.0	3587.2					
Stddev	5.7	5.3	131.	41.7					
%RSD	.23858	.11468	.33070	1.1612					
#1	2379.1	4613.6	3969.1	3629.9					
#2	2377.7	4603.1	3946.4	3546.6					
#3	2368.7	4609.0	3946.5	3585.2					

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Sample Name: MP30266-D1 Acquired: 4/22/2016 11:30:54 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0003	.0746	.0016	.0123	-.0003	150.0	-.0002	-.0001	.0006
Stddev	.0002	.0049	.0006	.0004	.0000	.4	.0000	.0000	.0003
%RSD	51.74	6.635	37.39	2.989	13.10	.2605	8.541	6.347	41.37
#1	-.0005	.0802	.0010	.0121	-.0003	149.8	-.0002	-.0001	.0006
#2	-.0003	.0726	.0017	.0128	-.0004	149.8	-.0002	-.0001	.0003
#3	-.0002	.0709	.0022	.0122	-.0003	150.4	-.0002	-.0001	.0009
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.0000	1.949	6.996	2.084	.0124	.0005	7.412	.0000	-.0006
Stddev	.0002	.009	.014	.019	.0001	.0001	.030	.000	.0010
%RSD	2446.0	.4604	.1989	.9263	.7068	21.51	.4003	494.2	173.0
#1	-.0001	1.939	7.011	2.107	.0125	.0004	7.400	.0001	-.0014
#2	-.0001	1.957	6.983	2.072	.0124	.0006	7.390	-.0003	-.0010
#3	.0003	1.950	6.993	2.075	.0123	.0006	7.446	.0000	.0006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0006	.0023	2.397	.0002	2.748	.0032	-.0005	.0013	.0092
Stddev	.0007	.0005	.006	.0002	.009	.0015	.0008	.0001	.0000
%RSD	116.0	23.53	2.472	86.96	.3075	47.27	175.6	8.579	-.3996
#1	-.0005	.0027	2.399	.0002	2.743	.0049	-.0010	.0014	.0092
#2	.0000	.0017	2.390	.0000	2.742	.0023	-.0008	.0012	.0093
#3	-.0013	.0025	2.402	.0004	2.758	.0023	.0005	.0013	.0092
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2388.1	4637.8	3973.9	3606.0					
Stddev	4.0	.4	290.	17.2					
%RSD	.16819	.00834	.73095	.47787					
#1	2390.3	4637.3	3977.6	3600.5					
#2	2383.5	4638.0	3943.2	3625.3					
#3	2390.5	4638.0	4000.9	3592.2					

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7.3
7

Sample Name: MP30266-SD1 Acquired: 4/22/2016 11:35:22 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0012	.0529	.0018	.0120	-.0018	155.2	-.0010	-.0004	-.0005
Stddev	.0022	.0259	.0008	.0008	.0002	.6	.0002	.0004	.0000
%RSD	185.5	48.92	45.38	6.716	8.906	.3558	21.87	111.9	9.972
#1	-.0006	.0340	.0009	.0128	-.0017	155.8	-.0010	.0001	-.0005
#2	.0007	.0423	.0018	.0112	-.0017	155.3	-.0008	-.0008	-.0005
#3	-.0036	.0824	.0025	.0122	-.0020	154.7	-.0013	-.0004	-.0004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0011	1.989	7.247	2.152	.0120	-.0035	7.587	.0003	-.0013
Stddev	.0005	.026	.190	.026	.0002	.0010	.052	.0004	.0041
%RSD	47.30	1.291	2.624	1.202	1.334	27.71	.6874	128.0	304.2
#1	-.0011	1.975	7.464	2.173	.0121	-.0040	7.557	.0000	.0034
#2	-.0016	1.973	7.109	2.123	.0122	-.0040	7.647	.0007	-.0037
#3	-.0006	2.018	7.168	2.161	.0119	-.0023	7.556	.0002	-.0037
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0022	-.0064	2.480	-.0007	2.844	.0026	-.0058	.0006	.0480
Stddev	.0047	.0060	.008	.0007	.010	.0004	.0030	.0011	.0002
%RSD	219.4	93.58	.3080	100.9	.3670	14.34	52.64	195.1	.4212
#1	-.0011	-.0125	2.476	-.0015	2.853	.0024	-.0045	.0011	.0482
#2	.0019	-.0005	2.489	-.0003	2.848	.0023	-.0092	.0013	.0479
#3	-.0073	-.0063	2.475	-.0002	2.833	.0030	-.0035	-.0007	.0479
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2600.1	4881.4	4156.9	3697.2					
Stddev	1.0	9.5	130.	11.6					
%RSD	.03747	.19531	.31267	.31345					
#1	2600.6	4887.9	4152.2	3683.9					
#2	2600.7	4870.4	4147.0	3704.9					
#3	2599.0	4885.8	4171.7	3702.9					

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Sample Name: MP30266-PS1 Acquired: 4/22/2016 11:39:51 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0489	2.657	1.081	.2737	.0521	155.2	.0528	.0527	.0538
Stddev	.0009	.013	.0009	.0013	.0002	.6	.0002	.0001	.0003
%RSD	1.862	.5014	.8111	.4910	.4027	.3578	.4099	.0962	.5493
#1	.0479	2.656	.1073	.2750	.0520	155.7	.0525	.0527	.0536
#2	.0492	2.670	.1080	.2739	.0523	155.3	.0529	.0526	.0536
#3	.0496	2.644	.1090	.2723	.0520	154.6	.0529	.0527	.0541
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1069	5.043	17.10	7.127	.0668	.1039	17.65	1.049	.0499
Stddev	.0004	.011	.12	.068	.0002	.0001	.03	.0001	.0004
%RSD	.3522	.2138	.7245	.9590	.3686	.0994	.1781	.1216	.8413
#1	.1066	5.047	17.13	7.203	.0670</				

Sample Name: MP30266-S1 Acquired: 4/22/2016 11:44:08 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0502	28.33	2.094	2.137	.0545	181.4	.0527	.5208	2.145
Stddev	.0002	.13	.002	.011	.0003	1.3	.0001	.0002	.0011
%RSD	.4039	.4557	.0888	.5150	.4842	.6955	.2357	.0445	.4967
#1	.0503	28.22	2.093	2.132	.0544	180.2	.0528	.5209	2.135
#2	.0500	28.47	2.096	2.149	.0548	182.7	.0528	.5209	2.156
#3	.0503	28.28	2.093	2.129	.0543	181.4	.0526	.5205	2.144
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2699	29.47	33.54	27.88	.5619	5.033	34.08	.5295	5.158
Stddev	.0013	.12	.21	.20	.0023	.0009	.17	.0004	.0004
%RSD	.4808	.4155	.6219	.7098	.4104	.1883	.5136	.0802	.0838
#1	.2714	29.41	33.35	27.72	.5596	5.032	34.12	.5299	5.160
#2	.2688	29.61	33.76	28.10	.5642	5.043	34.23	.5292	5.162
#3	.2696	29.39	33.50	27.82	.5619	5.024	33.89	.5292	5.154
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5261	2.071	2.472	5.138	3.343	5.212	2.046	5.133	5.352
Stddev	.0002	.004	.003	.0011	.015	.0010	.009	.0013	.0011
%RSD	.0391	.1690	.1113	.2216	.4525	.1960	.4194	.2630	2.054
#1	.5259	2.070	2.469	5.148	3.332	5.209	2.038	5.121	5.364
#2	.5263	2.075	2.474	5.140	3.360	5.223	2.045	5.148	5.343
#3	.5260	2.069	2.473	5.126	3.337	5.203	2.055	5.130	5.350
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2249.6	4643.9	39380.	3575.2					
Stddev	4.4	4.9	111.	17.4					
%RSD	.19363	.10622	.28305	.48686					
#1	2253.7	4649.6	39469.	3589.8					
#2	2250.1	4640.8	39255.	3556.0					
#3	2245.1	4641.3	39415.	3579.9					

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Sample Name: MP30266-S2 Acquired: 4/22/2016 11:48:19 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0508	28.69	2.106	2.152	.0551	183.5	.0531	.5249	2.165
Stddev	.0002	.10	.006	.011	.0001	1.3	.0001	.0001	.0005
%RSD	.3907	.3459	.2651	.5011	.2308	.2669	.2480	.1834	.2395
#1	.0510	28.80	2.100	2.165	.0551	184.1	.0530	.5243	2.163
#2	.0509	28.60	2.109	2.146	.0550	183.3	.0531	.5244	2.171
#3	.0506	28.66	2.110	2.146	.0553	183.2	.0533	.5260	2.161
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2729	29.83	33.85	28.27	.5683	5.131	34.43	.5335	5.198
Stddev	.0007	.11	.16	.13	.0008	.0015	.16	.0010	.0009
%RSD	.2648	.3578	.4670	.4707	.1450	.2924	.4657	.1805	.1647
#1	.2737	29.94	34.04	28.12	.5691	5.117	34.60	.5324	5.195
#2	.2726	29.73	33.77	28.32	.5684	5.129	34.29	.5336	5.208
#3	.2723	29.81	33.76	28.37	.5674	5.147	34.39	.5344	5.192
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.5273	2.082	2.499	5.225	3.388	5.296	2.062	5.159	5.410
Stddev	.0034	.007	.009	.0012	.011	.0012	.002	.0007	.0004
%RSD	.6373	.3323	.3498	.2251	.3111	.2208	.1150	.1375	.0775
#1	.5234	2.083	2.492	5.229	3.400	5.310	2.060	5.163	5.413
#2	.5291	2.074	2.497	5.212	3.385	5.290	2.065	5.164	5.405
#3	.5293	2.088	2.509	5.234	3.379	5.289	2.062	5.151	5.411
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2254.4	4649.2	39501.	3560.9					
Stddev	3.7	12.1	155.	12.5					
%RSD	.16235	.26086	.39296	.35133					
#1	2258.5	4661.4	39344.	3547.3					
#2	2251.6	4648.9	39505.	3563.4					
#3	2253.1	4637.2	39655.	3572.0					

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7.3
7

Sample Name: FA33258-1 Acquired: 4/22/2016 11:52:30 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0019	2.288	.0859	.0256	-.0013	711.9	-.0008	.0009	.0018
Stddev	.0012	.035	.0029	.0019	.0004	1.4	.0003	.0007	.0006
%RSD	60.80	1.536	3.426	7.259	34.27	2.031	39.04	81.04	31.21
#1	.0032	2.248	.0876	.0267	-.0012	712.1	-.0006	.0009	.0013
#2	.0010	2.315	.0877	.0268	-.0009	713.3	-.0006	.0002	.0024
#3	.0015	2.302	.0825	.0235	-.0017	710.4	-.0012	.0016	.0017
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0051	1.602	38.61	397.4	1.234	0.704	F 7457.	0.034	-.0099
Stddev	.0004	.013	.35	1.3	.0003	.0005	24.	.0003	.0017
%RSD	7.832	.7818	.9054	.3203	.2622	.6629	.3162	10.08	17.54
#1	.0054	1.592	38.25	396.9	.1237	.0698	7466.	.0030	-.0108
#2	.0047	1.597	38.62	398.9	.1233	.0707	7430.	.0036	-.0079
#3	.0054	1.616	38.95	396.5	.1231	.0706	7474.	.0035	-.0110
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0071	.0115	6.775	.0026	13.36	.0762	-.0046	.0535	.0517
Stddev	.0030	.0096	.014	.0028	.05	.0103	.0092	.0005	.0006
%RSD	43.23	83.41	.1993	109.2	.3786	13.52	200.3	1.000	1.230
#1	-.0086	.0041	6.762	.0058	13.30	.0878	-.0047	.0532	.0511
#2	-.0090	.0223	6.774	.0009	13.39	.0681	-.0138	.0532	.0517
#3	-.0035	.0080	6.789	.0010	13.39	.0726	.0046	.0541	.0524
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1866.9	4077.1	32962.	3462.9					
Stddev	4.2	11.0	69.	15.1					
%RSD	.22756	.27051	.21018	.43667					
#1	1868.6	4089.7	32882.	3479.2					
#2	1870.1	4072.5	33010.	3449.3					
#3	1862.1	4069.2	32993.	3460.3					

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Sample Name: FA33258-2 Acquired: 4/22/2016 11:57:04 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0003	2.297	.0117	.0194	-.0013	673.0	-.0011	.0007	.0015
Stddev	.0005	.033	.0018	.0013	.0002	.8	.0003	.0005	.0011
%RSD	145.9	1.432	15.14	6.785	15.45	.1187	24.90	77.54	74.39
#1	-.0007	2.288	.0136	.0209	-.0013	673.9	-.0014	.0012	.0025
#2	-.0002	2.269	.0110	.0190	-.0015	672.5	-.0009	.0007	.0003
#3	-.0004	2.333	.0103	.0183	-.0011	672.6	-.0009	.0001	.0016
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0269	1.821	31.61	402.2	.0884	.0530	F 5049.	.0020	-.0040
Stddev	.0014	.009	.11	4	.0003	.0004	57.	.0013	.0051
%RSD	5.346	.5169	.3441	.1019	.3885	.7106	1.137	62.93	126.8
#1	.0253	1.826	31.50	402.1	.0881	.0534	5105.	.0007	.0010
#2	.0280	1.810	31.72	402.6	.0883	.0526	4990.	.0032	-.0092
#3	.0273	1.826	31.61	401.8	.0888	.0530	5052.	.0020	-.0039
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_22								

Sample Name: CCV Acquired: 4/22/2016 12:01:39 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2535	41.02	2.023	2.031	2.047	41.43	2.061	2.052	2.064
Stddev	.0005	.27	.003	.010	.007	.34	.001	.002	.005
%RSD	.2144	.6579	.1358	.4891	.3524	.8176	.0528	.0772	.2350
#1	.2534	40.81	2.020	2.022	2.041	41.09	2.061	2.051	2.069
#2	.2541	41.32	2.024	2.041	2.055	41.77	2.060	2.053	2.061
#3	.2531	40.91	2.025	2.029	2.045	41.43	2.062	2.054	2.060

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.029	40.26	41.06	41.20	2.088	2.026	40.52	2.057	2.035
Stddev	.007	.26	.22	.44	.006	.003	.19	.002	.005
%RSD	.3240	.6383	.5262	1.057	.2863	.1681	.4725	.0861	.2337
#1	2.024	40.07	40.90	40.74	2.095	2.024	40.42	2.055	2.031
#2	2.036	40.55	41.31	41.60	2.084	2.030	40.74	2.057	2.034
#3	2.026	40.15	40.98	41.26	2.086	2.024	40.39	2.059	2.040

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.020	2.026	1.452	2.066	2.030	2.052	2.047	2.035	2.068
Stddev	.008	.007	.002	.005	.011	.003	.004	.004	.002
%RSD	.4000	.3276	.1219	.2387	.5556	.1345	.2034	.2179	.0891
#1	2.013	2.018	1.451	2.060	2.022	2.055	2.042	2.040	2.070
#2	2.018	2.028	1.453	2.070	2.043	2.051	2.049	2.031	2.067
#3	2.029	2.030	1.454	2.068	2.025	2.051	2.050	2.034	2.068

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/22/2016 12:01:39 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2282.4	4718.9	4020.4	3589.2
Stddev	5.3	9.7	236.	28.8
%RSD	.23357	.20470	.58735	.80332
#1	2287.3	4726.5	39933.	3612.7
#2	2276.7	4708.0	40323.	3557.1
#3	2283.0	4722.2	40358.	3597.9

7.3
7

Sample Name: CCB Acquired: 4/22/2016 12:05:49 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0014	-0.0004	-0.0001	.0000	.0028	.0000	.0001	.0001
Stddev	.0003	.0013	.0006	.0001	.0000	.0037	.0000	.0001	.0000
%RSD	114.3	93.32	175.5	74.54	227.3	130.8	527.7	76.07	62.84
#1	.0003	.0026	-0.0008	-0.0002	.0000	.0069	.0000	.0001	.0001
#2	-.0001	.0000	.0004	.0000	.0000	.0019	.0000	.0002	.0001
#3	.0004	.0016	-0.0007	-0.0001	.0001	-0.0003	.0000	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0047	.0330	.0087	.0000	.0004	.1002	.0000	-0.0001
Stddev	.0002	.0026	.0232	.0113	.0000	.0004	.0066	.000	.0007
%RSD	140.1	55.97	70.29	129.8	246.1	113.6	6.581	519.0	838.1
#1	.0003	.0077	.0362	.0036	.0000	.0007	.0933	.0001	.0002
#2	.0000	.0027	.0083	.0009	.0000	.0004	.1065	.0000	.0004
#3	.0000	.0038	.0543	.0217	.0000	-.0001	.1007	-.0003	-.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0009	-.0011	.0005	.0002	.0000	.0004	.0009	.0000	.0001
Stddev	.0004	.0016	.0003	.0002	.000	.0001	.0011	.0001	.0000
%RSD	51.28	145.3	51.37	96.23	254.5	34.48	126.1	228.7	19.99
#1	-.0004	-.0001	.0003	.0002	.0000	.0005	.0015	.0001	.0001
#2	-.0013	-.0029	.0008	.0004	.0000	.0004	.0016	.0001	.0001
#3	-.0009	-.0005	.0004	.0000	.0000	.0002	-.0004	-.0001	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/22/2016 12:05:49 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2680.0	4966.1	42713.	3734.8
Stddev	7.6	12.2	144.	19.8
%RSD	.28222	.24608	.33640	.52948
#1	2672.2	4960.6	42720.	3747.6
#2	2687.3	4980.1	42853.	3712.0
#3	2680.4	4957.6	42566.	3744.9

Sample Name: FA33258-3 Acquired: 4/22/2016 12:10:22 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :

Table with 10 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 10 rows of data for various elements like Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677.

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Sample Name: FA33259-2 Acquired: 4/22/2016 12:19:36 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :

Table with 10 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 10 rows of data for various elements like Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677.

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Sample Name: FA33259-1 Acquired: 4/22/2016 12:14:59 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :

Table with 10 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 10 rows of data for various elements like Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677.

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Sample Name: FA33259-3 Acquired: 4/22/2016 12:24:12 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :

Table with 10 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 10 rows of data for various elements like Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677.

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Sample Name: FA33259-4 Acquired: 4/22/2016 12:28:47 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 10 columns: #1, #2, #3. Rows include Avg, Stdev, %RSD.

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 10 columns: #1, #2, #3. Rows include Avg, Stdev, %RSD.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 10 columns: #1, #2, #3. Rows include Avg, Stdev, %RSD.

Table with 4 columns: Int. Std., Avg, Stdev, %RSD. Rows include Y_2243, Y_3600, Y_3710 and #1-3.

Table with 4 columns: #1, #2, #3. Rows include Avg, Stdev, %RSD.

Sample Name: FA33260-1 Acquired: 4/22/2016 12:33:17 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 10 columns: #1, #2, #3. Rows include Avg, Stdev, %RSD.

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 10 columns: #1, #2, #3. Rows include Avg, Stdev, %RSD.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 10 columns: #1, #2, #3. Rows include Avg, Stdev, %RSD.

Table with 4 columns: Int. Std., Avg, Stdev, %RSD. Rows include Y_2243, Y_3600, Y_3710 and #1-3.

Table with 4 columns: #1, #2, #3. Rows include Avg, Stdev, %RSD.

7.3 7

Sample Name: FA33260-2 Acquired: 4/22/2016 12:37:53 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 10 columns: #1, #2, #3. Rows include Avg, Stdev, %RSD.

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 10 columns: #1, #2, #3. Rows include Avg, Stdev, %RSD.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 10 columns: #1, #2, #3. Rows include Avg, Stdev, %RSD.

Table with 4 columns: Int. Std., Avg, Stdev, %RSD. Rows include Y_2243, Y_3600, Y_3710 and #1-3.

Table with 4 columns: #1, #2, #3. Rows include Avg, Stdev, %RSD.

Sample Name: FA33260-3 Acquired: 4/22/2016 12:42:30 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 10 columns: #1, #2, #3. Rows include Avg, Stdev, %RSD.

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 10 columns: #1, #2, #3. Rows include Avg, Stdev, %RSD.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 10 columns: #1, #2, #3. Rows include Avg, Stdev, %RSD.

Table with 4 columns: Int. Std., Avg, Stdev, %RSD. Rows include Y_2243, Y_3600, Y_3710 and #1-3.

Table with 4 columns: #1, #2, #3. Rows include Avg, Stdev, %RSD.

Sample Name: FA33261-1 Acquired: 4/22/2016 12:47:05 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0009	.2072	.0085	.0131	-.0014	764.6	-.0010	-.0001	-.0008
Stddev	.0027	.0252	.0030	.0008	.0002	2.7	.0003	.0006	.0021
%RSD	295.8	12.15	35.32	5.743	15.52	.3491	25.78	860.5	247.5
#1	-.0022	.2149	.0052	.0129	-.0016	763.8	-.0008	-.0006	-.0013
#2	-.0022	.2275	.0112	.0126	-.0012	762.4	-.0013	.0006	.0014
#3	.0027	.1790	.0092	.0140	-.0013	767.6	-.0010	-.0002	-.0026
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0026	.0425	32.28	248.6	.0031	1.011	F 5719	-.0004	-.0021
Stddev	.0011	.0072	.20	1.2	.0001	.0015	52.	.0007	.0000
%RSD	41.89	17.00	.6254	.4874	2.323	1.482	.9106	163.0	.7295
#1	.0018	.0342	32.46	248.0	.0030	1.010	5660.	-.0012	-.0021
#2	.0022	.0468	32.06	247.9	.0031	1.026	5735.	.0002	-.0021
#3	.0039	.0466	32.31	250.0	.0031	.0996	5760.	-.0003	-.0021
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0056	.0699	3.033	.0022	12.68	.0033	-.0023	.0005	.0535
Stddev	.0011	.0060	.004	.0021	.04	.0000	.0038	.0005	.0008
%RSD	19.13	8.651	.1299	98.27	.2777	1.147	161.5	97.82	1.421
#1	-.0044	.0763	3.032	.0013	12.70	.0034	-.0014	.0009	.0531
#2	-.0063	.0690	3.030	.0006	12.64	.0033	-.0065	.0006	.0544
#3	-.0062	.0643	3.038	.0046	12.70	.0033	.0009	.0000	.0531
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1894.4	4102.8	3336.0	3453.1					
Stddev	4.1	2.1	177.	26.0					
%RSD	.21761	.05077	.53201	.75385					
#1	1896.2	4104.1	33155.	3479.6					
#2	1889.7	4100.4	33461.	3452.1					
#3	1897.4	4104.0	33464.	3427.5					

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Sample Name: FA33261-2 Acquired: 4/22/2016 12:51:43 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0006	3.066	.0079	.0366	-.0015	879.9	-.0010	.0024	.0012
Stddev	.0019	.035	.0018	.0011	.0003	.8	.0001	.0003	.0016
%RSD	334.2	1.149	22.63	3.066	19.58	.0922	6.628	13.69	131.5
#1	-.0016	3.101	.0093	.0353	-.0017	878.9	-.0010	.0028	.0016
#2	-.0017	3.031	.0084	.0375	-.0016	880.4	-.0009	.0022	.0026
#3	.0016	3.067	.0059	.0370	-.0012	880.2	-.0010	.0022	-.0005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0042	2.211	42.37	235.9	.2838	1.378	F 7957.	.0020	-.0050
Stddev	.0010	.020	.27	2.	.0016	.0003	.203.	.0007	.0043
%RSD	23.40	.8929	.6484	.1001	.5625	.2010	2.553	32.05	86.33
#1	.0053	2.226	42.18	236.1	.2819	1.380	8182.	.0013	-.0025
#2	.0033	2.189	42.25	236.0	.2848	1.375	7788.	.0025	-.0099
#3	.0041	2.218	42.69	235.7	.2846	1.380	7901.	.0023	-.0025
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0089	-.0007	6.797	.0001	15.94	.0736	-.0101	.0333	.0481
Stddev	.0050	.0060	.035	.0008	.05	.0063	.0028	.0002	.0002
%RSD	56.59	879.2	.5079	640.7	.3177	8.570	27.62	.5950	.5058
#1	-.0053	-.0039	6.789	.0003	15.88	.0663	-.0094	.0334	.0478
#2	-.0068	-.0044	6.834	-.0007	15.97	.0777	-.0077	.0331	.0483
#3	-.0147	.0063	6.767	.0008	15.97	.0768	-.0131	.0334	.0480
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1766.5	3930.6	31649.	3422.9					
Stddev	3.2	4.4	36.	11.0					
%RSD	.18281	.11074	.11416	.32219					
#1	1770.2	3932.3	31683.	3419.2					
#2	1765.1	3925.7	31611.	3435.3					
#3	1764.1	3933.8	31653.	3414.3					

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7.3
7

Sample Name: CCV Acquired: 4/22/2016 12:56:20 Type: QC
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.547	41.09	2.021	2.025	2.057	41.45	2.057	2.052	2.067
Stddev	.0006	.07	.003	.005	.002	.10	.004	.002	.001
%RSD	.2162	.1794	.1351	.2464	.0775	.2298	.1774	.0734	.0279
#1	.2553	41.01	2.019	2.020	2.057	41.46	2.053	2.050	2.066
#2	.2543	41.13	2.019	2.025	2.059	41.55	2.057	2.051	2.067
#3	.2544	41.14	2.024	2.030	2.055	41.36	2.061	2.053	2.067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.025	40.27	41.03	41.54	2.091	2.025	40.02	2.056	2.029
Stddev	.011	.06	.14	.09	.003	.003	.18	.003	.006
%RSD	.5526	.1370	.3321	.2243	.1268	.1541	.4526	.1532	.3175
#1	2.036	40.23	40.89	41.47	2.093	2.021	39.84	2.055	2.030
#2	2.026	40.34	41.16	41.64	2.090	2.025	40.01	2.054	2.023
#3	2.013	40.25	41.04	41.49	2.088	2.028	40.20	2.060	2.035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.014	2.023	1.453	2.066	2.026	2.054	2.045	2.037	2.067
Stddev	.009	.005	.002	.004	.004	.004	.001	.002	.006
%RSD	.4597	.2441	.1564	.1841	.2015	.1709	.0536	.1157	.3026
#1	2.008	2.029	1.450	2.061	2.022	2.058	2.045	2.037	2.061
#2	2.010	2.020	1.453	2.068	2.030	2.053	2.044	2.040	2.073
#3	2.025	2.020	1.455	2.068	2.026	2.051	2.046	2.035	2.068
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 4/22/2016 12:56:20 Type: QC
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2280.9	4709.9	40061.	3531.3
Stddev	3.7	6.5	42.	16.7
%RSD	.16126	.13840	.10424	.47411
#1	2278.8	4709.9	40014.	3549.9
#2	2285.2	4716.4	40075.	3517.4
#3	2278.8	4703.4	40094.	3526.6

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Sample Name: CCB Acquired: 4/22/2016 13:00:30 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0009	-0.001	.0000	-0.001	.0035	-0.001	.0000	.0000
Stddev	.000	.0060	.0003	.0002	.0001	.0030	.0000	.0000	.000
%RSD	230.5	647.1	231.0	790.5	52.37	85.35	25.73	132.8	972.6
#1	.0000	.0045	.0002	-0.002	.0000	.0035	-0.001	.0001	.0001
#2	.0000	-0.0060	-0.0003	.0002	-0.0001	.0064	-0.0001	.0000	.0000
#3	-0.0001	.0044	-0.0003	.0000	-0.0001	.0005	-0.0001	.0001	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0045	.0288	-0.0105	.0000	.0003	.2679	.0000	-0.0002
Stddev	.0001	.0035	.0325	.0032	.000	.0002	.0076	.0001	.0005
%RSD	3274.	77.96	112.8	30.51	66.09	68.48	2.822	2901.	219.8
#1	-0.0001	.0005	.0631	-0.140	.0000	.0005	.2721	.0001	-0.0008
#2	.0001	.0067	.0250	-0.077	.0000	.0002	.2725	-0.0001	-0.0001
#3	.0000	.0062	-0.016	-0.0099	.0000	.0001	.2592	.0000	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.0007	.0010	.0000	-0.0001	.0004	-0.0002	.0001	.0000
Stddev	.000	.0005	.0006	.0001	.0001	.0001	.0007	.0001	.000
%RSD	286.4	66.70	58.62	209.1	119.4	31.70	419.3	116.8	186.0
#1	.0000	-0.0009	.0003	.0000	-0.0001	.0006	-0.0005	.0001	-0.0001
#2	-0.0001	-0.0002	.0013	.0001	.0000	.0004	.0008	.0001	.0000
#3	.0000	-0.0011	.0014	.0000	-0.0001	.0003	.0002	.0000	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/22/2016 13:00:30 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2681.3	4951.9	42279.	3649.5
Stddev	6.4	3.6	80.	7.5
%RSD	.23805	.07237	.18847	.20555
#1	2674.8	4950.7	42293.	3641.7
#2	2687.6	4955.9	42350.	3650.0
#3	2681.5	4949.0	42193.	3656.7

#1	2674.8	4950.7	42293.	3641.7
#2	2687.6	4955.9	42350.	3650.0
#3	2681.5	4949.0	42193.	3656.7

Sample Name: FA33261-3 Acquired: 4/22/2016 13:05:03 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0006	.5572	.0052	.0223	-0.0010	.584.0	-0.0005	.0001	.0011
Stddev	.0013	.0610	.0047	.0004	.0002	1.0	.0001	.0001	.0009
%RSD	203.3	10.95	92.13	1.947	25.41	.1725	16.65	191.5	84.10
#1	-0.0021	.5742	.0094	.0228	-0.0008	584.3	-0.0006	.0002	.0021
#2	-0.0002	.6078	.0060	.0219	-0.0008	582.9	-0.0004	.0001	.0003
#3	.0004	.4895	.0000	.0223	-0.0013	584.8	-0.0006	-0.0001	.0008

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0043	.3246	24.50	119.5	.0469	.0572	F 4764.	.0005	-0.0046
Stddev	.0017	.0156	.27	.6	.0014	.0010	9.	.0012	.0026
%RSD	39.98	4.807	1.082	.5233	2.995	1.664	.1814	247.1	55.45
#1	.0048	.3402	24.50	119.7	.0461	.0582	4762.	.0018	-0.0058
#2	.0058	.3090	24.23	119.9	.0462	.0563	4757.	.0001	-0.0017
#3	.0024	.3244	24.76	118.8	.0486	.0573	4774.	-0.0005	-0.0064

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0029	.0577	3.312	.0011	7.499	.0192	-0.0072	.0132	.0416
Stddev	.0023	.0066	.001	.0014	.034	.0035	.0072	.0010	.0002
%RSD	79.99	11.47	.0353	132.4	.4566	18.43	100.2	7.878	.3815
#1	-0.0013	.0646	3.311	.0011	7.482	.0154	-0.0129	.0122	.0416
#2	-0.0018	.0569	3.313	.0024	7.477	.0198	.0009	.0132	.0414
#3	-0.0056	.0515	3.312	-0.0004	7.539	.0224	-0.0095	.0143	.0417

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1969.2	4208.5	34658.	3488.2
Stddev	3.7	13.0	35.	6.4
%RSD	.19028	.30834	.10062	.18357
#1	1973.3	4223.5	34655.	3488.9
#2	1968.6	4201.1	34625.	3494.2
#3	1965.9	4201.0	34695.	3481.5

Sample Name: FA33262-1 Acquired: 4/22/2016 13:09:41 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0005	6.107	.0120	.0623	-0.0013	1184.	-0.0009	.0032	.0056
Stddev	.0007	.080	.0041	.0012	.0003	6.	.0000	.0003	.0011
%RSD	144.4	1.309	34.60	1.945	24.97	.4917	1.495	9.723	19.03
#1	.0000	6.142	.0072	.0621	-0.0010	1188.	-0.0009	.0035	.0058
#2	.0002	6.162	.0143	.0611	-0.0017	1186.	-0.0009	.0030	.0066
#3	.0013	6.015	.0144	.0635	-0.0012	1177.	-0.0009	.0031	.0045

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0046	6.178	66.11	276.6	.2162	.1626	F 8812.	.0070	-0.0064
Stddev	.0014	.019	.11	2.1	.0005	.0009	447.	.0013	.0038
%RSD	30.59	.3051	.1676	.7508	.2542	.5694	5.070	19.28	59.34
#1	.0048	6.194	66.19	278.1	.2168	.1636	9295.	.0063	-0.0033
#2	.0031	6.182	66.15	277.5	.2158	.1624	8414.	.0061	-0.0053
#3	.0059	6.157	65.98	274.2	.2159	.1618	8727.	.0085	-0.0107

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0099	.0724	10.61	.0013	F 21.60	.0751	-0.0134	.0134	.0605
Stddev	.0016	.0048	.02	.0013	.08	.0006	.0060	.0019	.0002
%RSD	16.13	6.671	.1963	103.7	.3814	.7991	44.85	13.83	.3186
#1	-0.0087	.0697	10.61	.0028	21.56	.0758	-0.0070	.0150	.0603
#2	-0.0117	.0696	10.58	.0007	21.69	.0748	-0.0190	.0114	.0606
#3	-0.0093	.0780	10.62	.0003	21.54	.0747	-0.0142	.0139	.0606

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1673.3	3786.3	30712.	3439.6
Stddev	2.0	5.8	150.	23.3
%RSD	.11993	.15339	.48735	.67883
#1	1671.1	3785.5	30807.	3429.6
#2	1673.6	3792.4	30790.	3422.9
#3	1675.1	3780.9	30540.	3466.3

Sample Name: FA33262-2 Acquired: 4/22/2016 13:14:18 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	2.145	.0091	.0248	-.0015	783.3	-.0008	.0004	-.0001
Stddev	.0019	.008	.0007	.0007	.0002	3.2	.0002	.0009	.0019
%RSD	984.4	.3617	7.402	2.781	12.84	.4027	25.40	258.6	1784.
#1	.0023	2.144	.0095	.0256	-.0016	785.5	-.0009	.0003	-.0019
#2	-.0004	2.153	.0083	.0243	-.0013	779.7	-.0005	-.0006	-.0004
#3	-.0013	2.137	.0094	.0245	-.0016	784.7	-.0009	.0013	.0019
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0033	1.344	30.16	171.5	.0784	0.960	F 5627	-.0003	-.0095
Stddev	.0009	.014	.09	.7	.0006	.0006	43.	.0004	.0055
%RSD	26.86	1.040	.2967	.3817	.8017	.6068	.7588	130.7	58.14
#1	.0040	1.354	30.23	172.1	.0787	.0962	5635.	.0001	-.0073
#2	.0023	1.328	30.19	170.8	.0788	.0964	5580.	-.0004	-.0158
#3	.0034	1.350	30.06	171.4	.0777	.0953	5664.	-.0008	-.0054
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0056	.2178	5.815	.0027	11.54	.0775	-.0097	.0064	.0470
Stddev	.0044	.0149	.024	.0007	.04	.0060	.0036	.0005	.0006
%RSD	77.58	6.843	.4203	25.49	.3317	7.720	36.79	7.939	1.255
#1	-.0029	.2294	5.817	.0020	11.56	.0842	-.0137	.0068	.0463
#2	-.0033	.2010	5.839	.0026	11.50	0.754	-.0079	.0059	.0472
#3	-.0106	.2229	5.790	.0034	11.57	0.728	-.0073	.0067	.0474
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1898.3	4131.3	33484.	3460.4					
Stddev	4.8	8.3	69.	13.8					
%RSD	.25293	.20032	.20614	.39777					
#1	1894.8	4124.7	33560.	3452.0					
#2	1903.8	4140.6	33468.	3476.3					
#3	1896.4	4128.7	33425.	3452.9					

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Sample Name: FA33262-3 Acquired: 4/22/2016 13:18:53 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0010	2.862	.0172	.0201	-.0017	768.0	-.0008	.0012	.0062
Stddev	.0010	.038	.0020	.0003	.0002	4.1	.0001	.0006	.0012
%RSD	99.14	1.319	11.48	1.324	12.56	.5375	13.11	51.96	18.73
#1	.0019	2.898	.0189	.0201	-.0017	764.0	-.0007	.0011	.0072
#2	.0000	2.866	.0150	.0198	-.0019	767.9	-.0007	.0018	.0067
#3	.0010	2.822	.0175	.0203	-.0014	772.2	-.0009	.0006	.0049
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0053	2.122	28.17	141.8	.0523	0.927	F 4569	.0023	-.0045
Stddev	.0013	.012	.20	.7	.0003	.0004	35.	.0014	.0043
%RSD	24.61	.5454	.7128	.5088	.4881	.4117	.7666	61.33	96.10
#1	.0051	2.126	28.26	141.5	.0522	.0926	4529.	.0023	-.0055
#2	.0067	2.132	28.30	141.3	.0521	.0924	4583.	.0009	-.0002
#3	.0041	2.109	27.94	142.6	.0526	.0932	4594.	.0038	-.0083
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0050	.2675	6.434	.0006	10.22	.0324	-.0040	.0348	.0624
Stddev	.0032	.0037	.017	.0005	.02	.0006	.0034	.0003	.0005
%RSD	64.19	1.375	.2700	73.66	.2117	1.779	85.79	8131	.7257
#1	-.0026	.2714	6.419	.0011	10.22	.0317	-.0078	.0346	.0629
#2	-.0087	.2669	6.431	.0007	10.24	.0325	-.0011	.0351	.0620
#3	-.0038	.2641	6.453	.0001	10.20	.0328	-.0032	.0346	.0625
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1950.9	4202.9	34389.	3471.5					
Stddev	3.5	3.5	96.	18.1					
%RSD	.17922	.08280	.27978	.52081					
#1	1951.0	4205.5	34307.	3489.7					
#2	1947.4	4204.2	34495.	3471.1					
#3	1954.4	4199.0	34365.	3453.6					

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7.3
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Sample Name: FA33263-1 Acquired: 4/22/2016 13:23:29 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0005	1.318	.0065	.0241	-.0017	842.7	-.0010	.0008	.0014
Stddev	.0018	.024	.0081	.0018	.0003	3.8	.0008	.0006	.0009
%RSD	377.0	1.819	123.7	7.436	16.45	.4554	76.88	72.53	63.81
#1	-.0015	1.292	.0029	.0239	-.0015	840.0	-.0009	.0014	.0008
#2	.0010	1.338	.0158	.0260	-.0020	847.1	-.0018	.0005	.0009
#3	.0019	1.325	.0009	.0224	-.0015	841.0	-.0003	.0004	.0023
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0018	.9375	37.32	183.0	.0576	1.477	F 7536.	.0006	-.0058
Stddev	.0008	.0044	.19	.7	.0002	.0002	120.	.0003	.0019
%RSD	44.34	.4734	.4979	.3738	.3937	.1629	1.592	40.74	32.13
#1	.0010	.9364	37.11	183.1	.0578	1.477	7669.	.0008	-.0058
#2	.0017	.9423	37.39	183.6	.0577	1.475	7504.	.0003	-.0039
#3	.0026	.9336	37.46	182.3	.0574	1.480	7435.	.0008	-.0076
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0048	.1078	4.041	.0012	13.92	.0219	-.0054	.0111	.0585
Stddev	.0027	.0099	.014	.0008	.02	.0049	.0100	.0005	.0003
%RSD	56.36	9.177	.3480	67.38	.1380	22.40	184.7	4.658	.5654
#1	-.0023	.1021	4.028	.0010	13.91	.0179	-.0118	.0116	.0582
#2	-.0044	.1020	4.056	.0005	13.90	.0205	-.0105	.0110	.0588
#3	-.0077	.1192	4.037	.0022	13.94	.0274	.0061	.0106	.0585
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1792.7	3968.1	31882.	3422.7					
Stddev	2.7	3.8	39.	27.1					
%RSD	.14924	.09514	.12202	.79128					
#1	1795.6	3972.3	31846.	3422.7					
#2	1792.3	3966.9	31876.	3395.6					
#3	1790.2	3965.1	31923.	3449.7					

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Sample Name: FA33263-2 Acquired: 4/22/2016 13:28:05 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0020	5.251	.0249	.0173	-.0018	931.0	-.0007	.0006	-.0003
Stddev	.0012	.0158	.0043	.0013	.0001	2.6	.0004	.0006	.0006
%RSD	62.35	3.014	17.09	7.673	5.163	.2827	49.31	113.3	193.5
#1	.0033	5.395	.0226	.0174	-.0017	929.8	-.0009	.0011	-.0010
#2	.0011	5.276	.0223	.0159	-.0018	929.3	-.0003	.0007	.0003
#3	.0014	5.081	.0299	.0185	-.0019	934.1	-.0010	-.0001	-.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0044	3.552	32.89	336.4	.0437	0.414	F 5253.	.0019	-.0046
Stddev	.0009	.0200	.30	.2	.0002	.0011	98.	.0005	.0022
%RSD	19.34	5.629	.9160	.0686	.4973	2.632	1.870	26.47	48.22
#1	.0037	3.331	33.12	336.6	.0437	.0426	5153.	.0014	-.0072
#2	.0043	3.719	32.55	336.5	.0439	.0413	5256.	.0019	-.0029
#3	.0053	3.607	33.00	336.2	.0435	.0			

Sample Name: FA33263-3 Acquired: 4/22/2016 13:32:45 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	4.883	5.058	0.174	-0.018	950.8	-0.009	0.009	0.047
Stddev	.0022	.0068	.0003	.0002	.0003	2.0	.0001	.0004	.0015
%RSD	827.0	1.397	.0664	1.394	16.97	.2124	14.00	52.32	32.35
#1	.0021	4.956	.5060	.0173	-.0015	951.2	-.0011	.0009	.0057
#2	-.0008	4.873	.5060	.0177	-.0021	952.7	-.0008	.0013	.0054
#3	-.0022	4.821	.5054	.0173	-.0019	948.7	-.0009	.0004	.0029

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.021	2.837	48.71	54.58	0.109	2.383	F 6846	-0.008	-0.0115
Stddev	.0009	.0209	.10	.39	.0003	.0008	73.	.0002	.0069
%RSD	41.77	7.382	.2031	.7160	2.405	.3345	1.059	27.62	60.38
#1	.0029	2.811	48.60	54.36	.0106	2.392	6823.	-.0010	-.0128
#2	.0023	2.642	48.74	55.03	.0111	2.381	6787.	-.0006	-.0177
#3	.0012	3.058	48.80	54.34	.0110	2.377	6927.	-.0010	-.0040

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.011	4.101	3.323	-0.006	13.81	0.067	-0.087	1.283	0.0341
Stddev	.0042	.0080	.015	.0008	.03	.0011	.0125	.0006	.0007
%RSD	401.5	1.945	.4622	120.5	.1980	16.30	143.8	48.73	1.981
#1	-.0025	4.049	3.308	-.0011	13.82	0.058	-.0191	1.279	0.0336
#2	-.0001	4.061	3.321	-.0011	13.82	0.064	-.0051	1.279	0.0338
#3	.0057	4.193	3.339	0.002	13.78	0.079	-.0120	1.290	0.0349

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1829.0	4040.1	3263.1	3425.6
Stddev	3.8	8.5	72.	15.7
%RSD	.20617	.21065	.22060	.45731
#1	1828.7	4047.1	32640.	3429.1
#2	1832.9	4042.7	32555.	3408.5
#3	1825.4	4030.6	32698.	3439.2

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Sample Name: CCV Acquired: 4/22/2016 13:37:21 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.545	41.12	2.022	2.046	2.046	41.51	2.057	2.055	2.072
Stddev	.0005	.33	.006	.010	.011	.34	.003	.003	.011
%RSD	.2142	.8023	.2980	.4940	.5168	.8311	.1347	.1452	.5445
#1	.2550	41.40	2.021	2.053	2.055	41.68	2.058	2.056	2.060
#2	.2546	41.21	2.028	2.049	2.049	41.74	2.059	2.057	2.073
#3	.2539	40.76	2.016	2.034	2.034	41.11	2.054	2.051	2.082

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.028	39.97	41.43	41.03	2.090	2.028	39.81	2.053	2.035
Stddev	.005	.31	.34	.54	.007	.001	.21	.003	.003
%RSD	.2655	.7750	.8315	1.308	.3197	.0371	.5157	.1587	.1240
#1	2.035	40.16	41.63	41.52	2.083	2.028	39.93	2.055	2.033
#2	2.025	40.14	41.63	41.12	2.089	2.027	39.93	2.055	2.035
#3	2.025	39.62	41.03	40.45	2.097	2.027	39.58	2.050	2.038

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.020	2.031	1.454	2.072	2.042	2.053	2.041	2.042	2.070
Stddev	.006	.005	.001	.003	.016	.003	.007	.008	.004
%RSD	.2754	.2263	.0847	.1517	.7645	.1647	.3639	.3873	.2185
#1	2.025	2.036	1.455	2.074	2.054	2.050	2.034	2.034	2.073
#2	2.020	2.027	1.454	2.073	2.048	2.053	2.040	2.043	2.073
#3	2.014	2.030	1.452	2.068	2.024	2.057	2.049	2.050	2.065

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7.3
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Sample Name: CCV Acquired: 4/22/2016 13:37:21 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2271.0	4708.5	40049.	3567.4
Stddev	5.0	8.3	129.	35.2
%RSD	.21989	.17667	.32208	.98797
#1	2276.7	4709.3	40187.	3536.9
#2	2267.6	4699.8	40028.	3559.4
#3	2268.7	4716.4	39932.	3606.0

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Sample Name: CCB Acquired: 4/22/2016 13:41:32 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.001	0.014	0.000	0.002	-0.001	0.062	0.000	0.001	0.001
Stddev	.0001	.0065	.000	.0001	.0000	.0019	.0000	.0000	.0000
%RSD	52.39	464.9	1540.	73.49	55.37	31.11	41.59	26.71	28.41
#1	.0002	.0045	.0004	.0003	.0000	.0043	.0001	.0001	.0002
#2	.0002	-.0060	-.0001	.0002	-.0001	.0082	.0000	.0001	.0001
#3	.0001	.0057	-.0003	.0001	-.0001	.0060	.0000	.0001	.0001

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.000	0.034	-0.0256	-0.010	0.000	0.004	0.3077	0.001	-0.0007
Stddev	.000	.0012	.0144	.0079	.0000	.0003	.0079	.001	.0003
%RSD	254.2	35.93	56.28	819.1	104.4	73.60	2.564	116.5	49.93
#1	.0001	.0020	-.0108	-.0090	.0000	.0006	.3113	.0001	-.0004
#2	-.0001	.0044	-.0264	-.0007	.0001	.0004	.3132	.0002	-.0011
#3	-.0001	.0039	-.0396	.0068	.0000	.0001	.2987	.0000	-.0006

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.000	-0.0014	0.012	0.003	0.000	0.005	-0.004	-0.001	0.001
Stddev	.001	.0021	.0003	.0003	.000	.0001	.0008	.0001	.0001
%RSD	1017.	156.3	28.62	85.41	237.3	18.66	221.0	143.7	116.5
#1	-.0005	.0003	.0008	.0000	.0000	.0006	-.0013	-.0002	.0002
#2	.0005	-.0006	.0013	.0005	.0000	.0005	.0002	-.0001	.0001
#3	-.0001	-.0038	.0014	.0004	-.0001	.0004	.0000	.0000	.0000

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Sample Name: CCB Acquired: 4/22/2016 13:41:32 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2674.6	4956.3	42569.	3626.0
Stddev	5.6	2.8	201.	25.4
%RSD	.20906	.05750	.47184	.69928
#1	2668.2	4958.4	42641.	3653.0
#2	2678.7	4953.0	42724.	3602.7
#3	2676.8	4957.3	42342.	3622.2

Sample Name: MP30269-MB1 Acquired: 4/22/2016 13:59:49 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm
Avg	.0005	.0066	.0000	.0006	-.0016	.0080	-.0009	-.0008
Stddev	.0012	.0110	.002	.0007	.0001	.0031	.0000	.0001
%RSD	246.4	165.2	4395.	123.8	4.387	39.20	4.025	15.95
#1	.0018	.0160	.0000	.0013	-.0016	.0084	-.0009	-.0008
#2	.0000	.0094	-.0017	-.0001	-.0017	.0047	-.0010	-.0007
#3	-.0004	-.0054	.0016	.0004	-.0016	.0110	-.0010	-.0010

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem Units	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm
Avg	.0019	-.0007	-.0015	-.0483	-.0853	.0004	-.0043	.8725
Stddev	.0054	.0004	.0155	.1902	.1795	.0002	.0001	.0402
%RSD	284.7	52.21	1066.	393.9	210.5	47.33	2.693	4.607
#1	-.0004	-.0003	-.0186	-.2504	.1217	.0002	-.0044	.8641
#2	-.0020	-.0011	.0029	-.0215	-.1800	.0004	-.0043	.9162
#3	.0080	-.0007	.0114	.1271	-.1976	.0005	-.0041	.8371

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem Units	Ni2316 ppm	Pb2203 ppm	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm
Avg	-.0003	.0000	-.0016	F -.0082	.0193	F .0345	-.0011	-.0009
Stddev	.0006	.0018	.0035	.0079	.0011	.0006	.0002	.0003
%RSD	189.1	3903.	219.9	96.66	5.893	1.872	17.65	34.01
#1	-.0006	.0020	.0018	-.0031	.0195	.0339	-.0009	-.0012
#2	-.0007	-.0016	-.0014	-.0041	.0203	.0346	-.0012	-.0008
#3	.0004	-.0002	-.0053	-.0173	.0181	.0352	-.0013	-.0007

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Fail .0050 -0.050 None Chk Fail .0250 -0.0250 Chk Pass Chk Pass

Sample Name: MP30269-MB1 Acquired: 4/22/2016 13:59:49 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	-.0032	-.0012	F .0368
Stddev	.0059	.0003	.0001
%RSD	183.6	22.50	.2666
#1	-.0026	-.0011	.0369
#2	-.0095	-.0010	.0369
#3	.0024	-.0016	.0367

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Fail .0100 -0.0100

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2644.8	4893.9	41703.	3559.3
Stddev	1.4	6.3	85.	9.4
%RSD	.05188	.12836	.20356	.26377
#1	2643.8	4886.7	41775.	3553.2
#2	2646.4	4896.4	41609.	3554.6
#3	2644.3	4898.5	41725.	3570.1

Sample Name: MP30269-B1 Acquired: 4/22/2016 14:04:22 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0481	28.03	1.997	2.076	.0518	27.02	.0526	.5380	.2175
Stddev	.0021	.09	.005	.007	.0006	.03	.0002	.0013	.0012
%RSD	4.305	.3076	.2541	.3164	1.144	.1275	.3325	.2485	.5559
#1	.0484	28.03	1.997	2.074	.0522	26.98	.0525	.5395	.2169
#2	.0499	27.94	2.002	2.070	.0512	27.04	.0528	.5375	.2189
#3	.0458	28.11	1.992	2.083	.0522	27.04	.0525	.5369	.2167

Check ? Value Range
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.2679	27.50	26.06	26.33	.5709	.5031	26.19	.5466	.5017
Stddev	.0020	.15	.37	.15	.0027	.0021	.03	.0017	.0035
%RSD	.7335	.5473	1.418	.5562	.4699	.4080	.1255	.3172	.7049
#1	.2669	27.46	25.75	26.44	.5720	.5052	26.22	.5450	.4979
#2	.2701	27.38	26.47	26.39	.5729	.5030	26.19	.5485	.5023
#3	.2666	27.67	25.97	26.16	.5679	.5011	26.16	.5464	.5049

Check ? Value Range
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.4997	2.007	.0374	.5944	.5100	.5263	2.042	.5038	.5904
Stddev	.0033	.003	.0041	.0017	.0012	.0015	.002	.0010	.0012
%RSD	.6699	.1332	11.03	.2938	.2359	.2878	.0960	.2044	.2103
#1	.5036	2.005	.0415	.5963	.5087	.5266	2.042	.5036	.5915
#2	.4978	2.005	.0376	.5929	.5101	.5277	2.044	.5049	.5906
#3	.4979	2.010	.0333	.5940	.5111	.5247	2.040	.5029	.5890

Check ? Value Range
 Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass

Sample Name: MP30269-B1 Acquired: 4/22/2016 14:04:22 Type: QC
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2558.0	4881.4	41127.	35317.
Stddev	7.9	7.4	144.	9.7
%RSD	.31012	.15126	.35115	.27355

#1	2566.5	4876.0	40962.	3538.6
#2	2556.9	4889.8	41191.	3520.6
#3	2550.7	4878.4	41229.	3535.7

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Sample Name: FA32107-16 Acquired: 4/22/2016 14:08:43 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0007	191.7	.0228	2.130	.0032	102.8	.0011	.0437	.2827
Stddev	.0009	1.5	.0047	.018	.0003	.4	.0003	.0005	.0016
%RSD	128.2	.7695	20.49	.8314	8.174	.3440	24.89	1.092	.5635

#1	-.0003	193.4	.0229	2.150	.0032	103.2	.0010	.0438	.2845
#2	.0013	190.6	.0275	2.119	.0029	102.7	.0010	.0431	.2817
#3	.0010	191.3	.0181	2.120	.0034	102.6	.0015	.0440	.2818

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6481	177.9	22.39	23.12	5.282	.0043	3.448	.1911	5.562
Stddev	.0029	.7	.07	.10	.006	.0008	.021	.0008	.011
%RSD	.4531	.4213	.3155	.4216	.1139	18.28	.6066	.4083	.1942

#1	.6501	178.7	22.33	23.19	5.289	.0038	3.467	.1920	5.562
#2	.6494	177.6	22.47	23.17	5.278	.0052	3.452	.1905	5.551
#3	.6447	177.3	22.38	23.01	5.279	.0039	3.425	.1909	5.572

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0076	-.0103	3.378	.0492	1.414	5.809	.0019	.4348	.5944
Stddev	.0055	.0090	.013	.0008	.014	.002	.0030	.0033	.0015
%RSD	71.98	87.12	.3893	1.537	1.007	.0417	153.0	.7507	.2496

#1	.0013	-.0136	3.363	.0499	1.430	5.807	.0041	.4311	.5958
#2	.0110	-.0171	3.381	.0484	1.402	5.812	.0032	.4373	.5947
#3	.0106	-.0001	3.389	.0493	1.412	5.808	-.0015	.4361	.5928

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2492.6	4911.3	41498.	3586.1
Stddev	3.3	12.4	131.	21.3
%RSD	.13290	.25219	.31662	.59522

#1	2494.9	4925.0	41366.	3565.1
#2	2494.0	4900.8	41497.	3585.4
#3	2488.8	4908.1	41629.	3607.8

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7.3
7

Sample Name: MP30269-D1 Acquired: 4/22/2016 14:20:39 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0010	202.7	.0237	2.301	.0034	111.6	.0009	.0464	.3082
Stddev	.0016	1.0	.0012	.006	.0006	.7	.0004	.0004	.0004
%RSD	160.6	.5096	5.058	.2686	17.90	.6253	48.59	.7837	.1296

#1	.0026	203.9	.0227	2.308	.0030	112.4	.0013	.0465	.3084
#2	.0009	202.0	.0232	2.296	.0032	111.3	.0009	.0459	.3077
#3	-.0005	202.2	.0250	2.300	.0041	111.1	.0005	.0466	.3084

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7015	188.2	23.80	25.31	5.758	.0037	3.429	.2025	6.056
Stddev	.0053	1.2	.13	.24	.007	.0001	.065	.0017	.008
%RSD	.7622	.6267	.5285	.9341	.1304	3.775	1.894	.8548	.1309

#1	.7033	189.6	23.70	25.58	5.749	.0039	3.482	.2006	6.065
#2	.6955	187.7	23.77	25.17	5.759	.0036	3.356	.2041	6.049
#3	.7058	187.4	23.94	25.17	5.764	.0036	3.448	.2027	6.054

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0077	-.0062	3.248	.0485	1.540	5.830	-.0077	.4604	.6290
Stddev	.0047	.0025	.013	.0022	.009	.009	.0041	.0020	.0016
%RSD	60.68	39.48	.3893	4.612	.5548	.1468	53.84	.4446	.2552

#1	.0036	-.0037	3.252	.0471	1.550	5.825	-.0118	.4605	.6275
#2	.0068	-.0064	3.259	.0473	1.537	5.827	-.0035	.4624	.6307
#3	.0128	-.0086	3.234	.0511	1.533	5.840	-.0077	.4583	.6286

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2497.6	4916.0	41512.	3572.1
Stddev	3.9	9.9	89.	18.8
%RSD	.15455	.20106	.21457	.52729

#1	2494.5	4921.1	41571.	3550.6
#2	2501.9	4904.7	41556.	3585.6
#3	2496.3	4922.4	41409.	3580.2

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Sample Name: MP30269-D2 Acquired: 4/22/2016 14:25:01 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0005	193.4	.0299	2.121	.0030	102.9	.0006	.0434	.2924
Stddev	.0019	.4	.0007	.003	.0002	.2	.0002	.0009	.0021
%RSD	393.8	.1939	2.319	.1567	7.552	2043	32.65	1.962	.7126

#1	-.0015	193.0	.0306	2.125	.0033	102.7	.0008	.0431	.2944
#2	.0023	193.6	.0299	2.119	.0028	103.0	.0004	.0443	.2903
#3	.0006	193.6	.0292	2.120	.0030	103.1	.0006	.0427	.2925

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6402	179.2	22.19	23.31	5.288	.0043	3.249	.1908	5.694
Stddev	.0023	.4	.30	.12	.028	.0003	.035	.0007	.011
%RSD	.3558	.2130	1.361	.5262	.5253	6.156	1.069	.3915	.1849

#1	.6379	178.8	21.86	23.38	5.313	.0041	3.215	.1905	5.704
#2	.6425	179.4	22.25	23.16	5.258	.0046	3.249	.1903	5.683
#3	.6402	179.5	22.45	23.37	5.292	.0042	3.284	.1917	5.696

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0088	-.0095	3.205	.0469	1.418	5.844	-.0068	.4354	.5955
Stddev	.0023	.0022	.004	.0007	.006	.016	.0069	.0011	.0003
%RSD	25.54	22.81	.1182	1.502	.4354	.2765	102.3	.2625	.0498

#1	.0068	-.0120	3.209	.0462	1.413	5.853	-.0147	.4347	.5953
#2	.0085	-.0087	3.206	.0468	1.417	5.825	-.0018	.4367	.5959
#3	.0112	-.0079	3.202	.0476	1.425	5.854	-.0038	.4347	.5955

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2508.2	4965.3	41586.	3594.4
Stddev	1.3	2.2	237.	13.7
%RSD	.05365	.04419	.56939	.38138

#1	2508.2	4966.7	41510.	3595.8
#2	2506.9	4966.4	41852.	3580.1
#3	2509.6	4962.7	41397.	3607.4

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Sample Name: MP30269-SD1 Acquired: 4/22/2016 14:29:23 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.023	270.8	.0037	2.650	-0.0016	104.4	-0.020	0.453	3.551
Stddev	.0046	2.0	.0256	.024	.0005	.6	.0007	.0013	.0093
%RSD	194.7	.7333	700.3	.9153	32.23	.5457	33.07	2.866	2.625
#1	-.0074	268.6	.0313	2.626	-.0021	103.8	-.0027	.0467	.3557
#2	.0014	271.6	-.0192	2.674	-.0014	104.9	-.0021	.0451	.3456
#3	-.0011	272.3	-.0011	2.650	-.0011	104.6	-.0013	.0442	.3642
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.6440	188.1	42.00	25.85	5.371	-0.162	17.14	2.395	5.425
Stddev	.0070	1.3	.19	.16	.035	.0040	.18	.0058	.041
%RSD	1.087	.7052	.4540	.6188	.6578	24.73	1.032	2.409	.7573
#1	.6414	186.8	41.80	25.93	5.358	-.0205	16.94	2.419	5.388
#2	.6386	189.4	42.02	25.95	5.345	-.0155	17.22	2.437	5.469
#3	.6519	188.1	42.18	25.66	5.411	-.0125	17.26	2.329	5.418
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0070	-0.0352	191.2	0.539	1.482	11.96	-0.098	4.746	8.005
Stddev	.0180	.0459	5.9	.0091	.019	.14	.0148	.0029	.0029
%RSD	258.4	130.5	3.066	16.87	1.254	1.193	150.7	.6123	.3636
#1	-.0136	-.0876	197.4	.0642	1.462	12.07	-.0152	.4776	.7987
#2	.0201	-.0162	190.4	.0470	1.486	11.80	.0069	.4719	.8038
#3	.0144	-.0018	185.8	.0506	1.499	12.02	-.0212	.4741	.7989
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2611.4	5025.0	4221.2	3612.8					
Stddev	2.0	9.3	263.	22.2					
%RSD	.07482	.18422	.62234	.61383					
#1	2613.4	5016.7	4201.7	3633.6					
#2	2609.5	5035.0	4251.1	3589.4					
#3	2611.3	5023.4	4210.9	3615.4					

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Sample Name: MP30269-PS1 Acquired: 4/22/2016 14:33:47 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0531	188.8	1.236	2.361	0.570	105.9	0.540	0.960	3.281
Stddev	.0018	.4	.0059	.006	.0002	.4	.0004	.0006	.0015
%RSD	3.372	.2188	4.765	.2693	.3982	.3826	.7140	.6673	.4469
#1	.0544	189.3	1.185	2.366	.0570	106.3	.0536	.0965	3.265
#2	.0510	188.8	1.223	2.354	.0572	106.1	.0540	.0961	3.287
#3	.0538	188.5	1.301	2.364	.0567	105.5	.0544	.0953	3.292
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.7386	175.2	32.31	27.79	5.102	1076	13.57	2.901	5.435
Stddev	.0042	.7	.03	.06	.010	.0003	.11	.0016	.005
%RSD	.5691	.3901	.0938	.2277	.1989	.3185	.8260	.5378	.0997
#1	.7400	176.0	32.34	27.86	5.096	1074	13.70	2.909	5.430
#2	.7419	175.0	32.29	27.74	5.096	1076	13.48	2.883	5.436
#3	.7339	174.6	32.29	27.77	5.114	1080	13.53	2.910	5.440
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.178	0.905	3.287	1.020	1.438	5.671	0.947	4.700	8.344
Stddev	.0056	.0070	.012	.0012	.006	.004	.0026	.0018	.0020
%RSD	4.742	7.694	.3543	1.190	.4063	.0695	2.727	.3874	.2403
#1	1.138	.0837	3.277	.1031	1.444	5.666	.0928	.4679	.8342
#2	1.153	.0976	3.285	.1007	1.433	5.671	.0977	.4707	.8325
#3	1.242	.0901	3.300	1.022	1.437	5.674	.0937	.4713	.8365
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2484.7	4937.2	4167.1	3617.7					
Stddev	1.3	5.9	50.	12.7					
%RSD	.05099	.11857	.12068	.35229					
#1	2485.2	4944.0	4172.9	3609.2					
#2	2483.2	4933.9	4164.4	3611.5					
#3	2485.5	4933.9	4164.0	3632.3					

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7.3
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Sample Name: MP30269-S1 Acquired: 4/22/2016 14:38:07 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0486	226.9	1.842	4.077	0.546	125.4	0.507	5.442	4.811
Stddev	.0024	1.0	.010	.017	.0004	.2	.0007	.0009	.0054
%RSD	4.999	.4468	.5588	.4203	.7103	.1618	1.458	1.587	1.130
#1	.0461	225.9	1.840	4.083	.0543	125.2	.0498	5.435	4.869
#2	.0487	228.0	1.833	4.090	.0544	125.6	.0513	5.439	4.761
#3	.0509	226.9	1.853	4.057	.0550	125.4	.0509	5.452	4.801
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.8723	193.6	46.57	47.38	5.556	4.065	27.52	6.981	5.912
Stddev	.0036	.6	.21	.24	.038	.0013	.11	.0005	.016
%RSD	.4097	.2941	.4549	.4994	.6766	.3128	.3958	.0745	.2744
#1	.8682	192.9	46.33	47.13	5.591	4.078	27.42	6.986	5.922
#2	.8743	194.0	46.63	47.42	5.516	4.065	27.64	6.982	5.893
#3	.8744	193.9	46.74	47.60	5.560	4.052	27.49	6.976	5.921
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.100	1.878	3.298	5.100	1.863	5.584	1.926	8.786	1.064
Stddev	.0030	.002	.010	.0016	.005	.018	.012	.0049	.003
%RSD	2.754	.1261	.3077	.3043	.2615	.3241	.6373	.5610	.2979
#1	1.069	1.881	3.289	5.085	1.858	5.603	1.917	8.833	1.067
#2	1.129	1.876	3.309	5.116	1.867	5.567	1.920	8.735	1.061
#3	1.101	1.877	3.296	5.098	1.863	5.583	1.940	8.790	1.066
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2456.2	4913.2	4142.5	3624.7					
Stddev	7.3	6.4	223.	11.3					
%RSD	.29759	.13048	.53826	.31090					
#1	2457.9	4920.4	4123.5	3630.7					
#2	2462.5	4908.4	4167.0	3611.7					
#3	2448.2	4910.7	4137.0	3631.7					

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Sample Name: MP30269-S2 Acquired: 4/22/2016 14:42:25 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0504	248.9	2.019	4.466	0.600	136.3	0.555	0.592	5.278
Stddev	.0019	.8	.010	.014	.0010	.7	.0004	.0023	.0006
%RSD	3.862	.3253	.4942	.3213	1.605	.5227	.6326	.3888	.1180
#1	.0526	249.8	2.011	4.483	.0608	137.1	.0553	.5974	5.277
#2	.0492	248.6	2.016	4.459	.0603	135.8	.0553	.5949	5.284
#3	.0493	248.3	2.030	4.457	.0589	136.1	.0559	.5995	5.272
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.9644	211.2	51.03	52.09	6.049	4.504	30.32	7.633	6.380

Sample Name: FA32107-19 Acquired: 4/22/2016 14:46:43 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	315.7	.0316	4.385	.0071	98.09	.0019	.0717	4589
Stddev	.0005	.3	.0027	.003	.0005	.40	.0004	.0007	.0009
%RSD	228.3	.0938	8.440	.0726	6.360	.4091	23.00	.9647	.1994
#1	.0006	315.8	.0310	4.382	.0076	97.64	.0022	.0724	4598
#2	.0005	315.4	.0294	4.388	.0068	98.20	.0014	.0710	4580
#3	-.0004	315.9	.0346	4.383	.0069	98.42	.0022	.0718	4589
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5602	262.2	23.88	27.77	9.567	.0080	3.466	.3060	3.750
Stddev	.0037	.3	.12	.07	.023	.0008	.020	.0017	.003
%RSD	.6610	.1220	.5060	.2516	.2373	9.622	.5792	.5637	.0830
#1	.5560	261.9	23.74	27.70	9.581	.0073	3.467	.3041	3.748
#2	.5630	262.2	23.91	27.76	9.541	.0088	3.486	.3062	3.748
#3	.5617	262.5	23.97	27.84	9.580	.0079	3.446	.3075	3.754
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(In2306)
Avg	.0080	-.0136	3.976	.0540	1.568	7.918	-.0023	.5878	.3992
Stddev	.0038	.0030	.005	.0007	.005	.016	.0026	.0005	.0011
%RSD	46.97	22.32	.1311	1.207	.2948	2.006	115.6	.0913	.2780
#1	.0050	-.0110	3.971	.0543	1.568	7.923	-.0053	.5880	.3980
#2	.0069	-.0169	3.975	.0533	1.572	7.901	-.0008	.5872	.3994
#3	.0122	-.0130	3.981	.0545	1.563	7.931	-.0007	.5882	.4002
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2481.6	4986.4	4174.3	3628.8					
Stddev	8.1	3.3	72.	6.8					
%RSD	.32711	.06672	.17349	.18633					
#1	2473.6	4983.5	4166.2	3636.0					
#2	2481.3	4990.1	4180.0	3622.6					
#3	2489.8	4985.7	4176.7	3627.8					

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Sample Name: CCV Acquired: 4/22/2016 14:51:04 Type: QC
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2579	41.76	2.011	2.066	2.066	42.28	2.053	2.060	2.101
Stddev	.0008	.23	.002	.015	.007	.06	.004	.002	.009
%RSD	.3087	.5508	.0870	.7347	.3211	.1492	.1783	.1157	.4363
#1	.2580	41.99	2.012	2.081	2.073	42.36	2.049	2.058	2.112
#2	.2570	41.53	2.009	2.051	2.062	42.26	2.055	2.059	2.097
#3	.2586	41.77	2.013	2.064	2.061	42.24	2.055	2.062	2.095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.058	40.52	42.16	42.15	2.115	2.035	41.16	2.044	2.037
Stddev	.006	.11	.21	.10	.009	.004	.25	.003	.003
%RSD	.3065	.2635	.4914	.2384	.4076	.2100	.6041	.1243	.1561
#1	2.059	40.64	42.37	42.10	2.124	2.032	41.45	2.041	2.039
#2	2.051	40.45	41.96	42.09	2.109	2.033	41.02	2.044	2.033
#3	2.063	40.46	42.16	42.27	2.111	2.040	41.02	2.046	2.037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.012	2.029	1.452	2.083	2.076	2.065	2.036	2.046	2.091
Stddev	.006	.016	.002	.003	.015	.004	.010	.004	.007
%RSD	.3218	.7692	.1550	.1575	.6993	.1964	.4700	.1928	.3230
#1	2.012	2.026	1.452	2.079	2.091	2.069	2.031	2.050	2.085
#2	2.005	2.014	1.450	2.086	2.062	2.061	2.031	2.045	2.098
#3	2.018	2.045	1.454	2.084	2.075	2.064	2.047	2.043	2.090
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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7.3
7

Sample Name: CCV Acquired: 4/22/2016 14:51:04 Type: QC
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2272.3	4728.1	3974.1	3505.1
Stddev	2.0	9.9	211.	5.2
%RSD	.08850	.21018	.53197	.14936
#1	2274.6	4734.9	3951.3	3501.7
#2	2271.6	4732.7	3993.0	3502.5
#3	2270.7	4716.7	3978.0	3511.1

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Sample Name: CCB Acquired: 4/22/2016 14:55:15 Type: QC
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0014	.0002	.0001	-.0001	-.0025	.0000	.0000	.0001
Stddev	.0002	.0036	.0009	.0003	.0001	.0014	.000	.0000	.0002
%RSD	300.9	265.9	439.1	563.0	52.45	53.24	111.6	47.37	301.3
#1	.0002	-.0027	.0002	.0004	-.0001	-.0040	.0000	.0000	.0003
#2	.0002	.0025	.0011	.0000	-.0002	-.0024	-.0001	.0000	.0000
#3	-.0002	.0043	-.0007	-.0002	-.0001	-.0013	-.0001	.0001	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0019	-.0186	-.0025	.0000	.0004	.0466	-.0002	.0004
Stddev	.0002	.0020	.0149	.0095	.0000	.0002	.0060	.0001	.0002
%RSD	636.5	106.0	80.24	377.0	34.68	46.54	12.85	34.04	51.13
#1	-.0001	-.0002	-.0201	-.0132	.0001	.0006	.0527	-.0002	.0006
#2	.0002	.0038	-.0030	.0051	.0000	.0004	.0407	-.0001	.0003
#3	-.0001	.0022	-.0327	.0005	.0000	.0002	.0464	-.0001	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-.0015	.0011	.0002	-.0001	.0005	-.0005	-.0001	.0000
Stddev	.0007	.0015	.0001	.0002	.0000	.0001	.0011	.0001	.000
%RSD	1073.	101.8	7.302	84.54	25.27	16.54	194.0	224.1	2817.
#1	-.0002	.0002	.0012	.0003	-.0001	.0006	-.0002	.0000	.0001
#2	-.0005	-.0026	.0012	.0000	.0000	.0004	-.0017	-.0002	.0000
#3	.0008	-.0020	.0010	.0003	-.0001	.0004	.0003	.0000	-.0001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 4/22/2016 14:55:15 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2655.5	4936.2	4211.3	3602.7
Stddev	2.4	4.2	39.	14.9
%RSD	.09089	.08525	.09233	.41359

#1	2657.0	4941.0	42094.	3606.8
#2	2652.7	4933.0	42158.	3615.1
#3	2656.9	4934.6	42088.	3586.1

Sample Name: FA32107-22 Acquired: 4/22/2016 14:59:49 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	.0006	247.2	.0272	2.247	.0055	49.10	.0021	.0585	.3931
Stddev	.0017	.3	.0020	.009	.0003	.18	.0002	.0005	.0030
%RSD	254.3	.1279	7.255	.3788	5.247	.3684	8.566	.8654	.7724

#1	.0019	247.6	.0250	2.243	.0058	49.16	.0019	.0579	.3943
#2	-.0012	247.0	.0277	2.241	.0056	48.90	.0020	.0585	.3953
#3	.0012	247.1	.0288	2.257	.0052	49.25	.0023	.0589	.3896

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_2243)	Na5895 (Y_2243)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.4901	221.1	20.74	21.88	4.551	.0081	4.220	.2311	6.453
Stddev	.0010	.0	.27	.23	.017	.0004	.042	.0011	.021
%RSD	.2093	.0203	1.280	1.058	.3636	5.059	.9829	.4754	.3260

#1	.4889	221.2	21.00	22.12	4.550	.0076	4.215	.2318	6.454
#2	.4904	221.1	20.47	21.88	4.568	.0082	4.181	.2316	6.431
#3	.4909	221.2	20.75	21.66	4.535	.0084	4.263	.2298	6.473

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.0079	-.0131	3.644	.0531	.8117	7.139	-.0035	.5211	.4696
Stddev	.0065	.0064	.004	.0023	.0032	.015	.0022	.0010	.0001
%RSD	82.16	48.53	.1045	4.254	.3947	.2041	62.51	.1895	.0293

#1	.0085	-.0122	3.639	.0510	.8137	7.144	-.0058	.5220	.4696
#2	.0142	-.0199	3.646	.0555	.8134	7.151	-.0035	.5213	.4697
#3	.0012	-.0073	3.645	.0530	.8080	7.123	-.0014	.5201	.4695

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2506.4	4977.7	42066.	3677.9
Stddev	1.3	2.5	176.	16.5
%RSD	.05063	.04967	.41849	.44930

#1	2505.4	4976.8	41971.	3676.7
#2	2507.8	4975.8	41958.	3662.0
#3	2506.0	4980.5	42269.	3695.0

7.3
7

Sample Name: FA32107-23 Acquired: 4/22/2016 15:04:10 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_3600)	Cr2677 (Y_3600)
Avg	.0000	220.0	.0260	1.561	.0043	30.38	.0001	.0476	.3460
Stddev	.001	1.2	.0004	.007	.0004	.20	.0003	.0003	.0028
%RSD	3536.	.5379	1.623	4.720	8.387	6.579	207.9	.6109	.8085

#1	-.0015	219.8	.0264	1.558	.0045	30.43	-.0001	.0476	.3430
#2	.0008	221.2	.0256	1.569	.0045	30.54	.0001	.0473	.3486
#3	.0006	218.9	.0261	1.555	.0039	30.15	.0004	.0479	.3463

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.1803	192.9	17.28	17.48	3.134	.0051	3.134	1.920	1.648
Stddev	.0015	.6	.28	.05	.008	.0007	.031	.0009	.002
%RSD	.8091	.2858	1.596	.2777	.2680	14.64	.9978	.4800	.1316

#1	.1819	193.3	17.55	17.50	3.128	.0042	3.118	.1931	1.646
#2	.1794	193.2	17.28	17.52	3.131	.0057	3.170	.1915	1.650
#3	.1794	192.3	17.00	17.42	3.144	.0053	3.114	.1914	1.647

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.0065	-.0104	3.244	.0486	.4837	6.320	.0011	.4516	.6024
Stddev	.0043	.0091	.005	.0017	.0023	.011	.0039	.0016	.0019
%RSD	66.98	86.73	.1565	3.579	.4845	.1755	364.8	.3604	.3087

#1	.0051	-.0173	3.248	.0502	.4821	6.313	.0053	.4499	.6017
#2	.0113	-.0002	3.239	.0467	.4863	6.315	.0004	.4531	.6009
#3	.0030	-.0138	3.247	.0488	.4826	6.333	-.0025	.4517	.6045

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2530.1	5000.0	41854.	3603.0
Stddev	1.3	6.5	175.	18.3
%RSD	.05194	.12962	.41921	.50759

#1	2530.0	5005.0	41967.	3604.6
#2	2531.4	5002.4	41942.	3583.9
#3	2528.7	4992.7	41652.	3620.4

Sample Name: FA32237-1 Acquired: 4/22/2016 15:08:31 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-.0002	243.1	.0907	1.228	.0067	57.54	.0022	.0655	.5581
Stddev	.0002	.7	.0014	.011	.0001	.48	.0003	.0002	.0032
%RSD	109.2	.2702	1.503	.8525	.9040	.8420	11.45	.3253	.5754

#1	.0000	243.0	.0895	1.233	.0066	57.64	.0019	.0652	.5617
#2	-.0003	243.8	.0922	1.234	.0067	57.97	.0023	.0656	.5555
#3	-.0003	242.5	.0905	1.216	.0067	57.01	.0024	.0656	.5570

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.5531	220.2	25.93	40.93	5.182	.0016	2.937	3.128	2.723
Stddev	.0054	.4	.04	.46	.027	.0002	.015	.0002	.006
%RSD	.9699	.1757	.1670	1.130	.5174	14.04	.5161	.0675	.2240

#1	.5477	220.4	25.94	41.05	5.203	.0016	2.921	.3126	2.729
#2	.5584	220.4	25.97	41.33	5.192	.0013	2.952	.3130	2.717
#3	.5531	219.7	25.89	40.42	5.152	.0018	2.938	.3128	2.723

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	-.0032	-.0113	2.762	.0445	.7017	8.161	-.0013	.4326	.5648
Stddev	.0054	.0086	.011	.0017	.0008	.023	.0018	.0015	.0009
%RSD	171.7	75.95	.3839	3.847	.1136	.2808	136.7	.3570	.1623

#1	-.0001	-.0020	2.756	.0455	.7019	8.176	-.0005	.4340	.5637
#2	.0000	-.0188	2.774	.0425	.7023	8.172	-.0034	.4329	.5652
#3	-.0094	-.0131	2.756	.0454	.7008	8.134	.0000	.4310	.5654

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2496.7	5069.7	42238.	3593.4
Stddev	4.1	12.8	246.	8.2
%RSD	.16422	.25251	.58126	.22816

#1	2492.2	5071.8	42131.	3597.2
#2	2500.3	5055.9	42065.	3584.0
#3	2497.4	5081.3	42519.	3599.1

Sample Name: FA32237-4 Acquired: 4/22/2016 15:12:51 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	341.0	0.540	3.095	0.092	96.50	0.011	0.804	5.615
Stddev	0.0027	.8	0.021	.007	0.003	.22	0.002	0.005	0.043
%RSD	696.8	2436	3.820	2.367	3.633	2.235	16.66	5.772	7.725
#1	.0016	341.8	0.562	3.092	0.092	96.64	0.009	0.807	5.613
#2	-0.0034	341.0	0.538	3.089	0.089	96.61	0.011	0.798	5.573
#3	0.006	340.1	0.521	3.103	0.096	96.25	0.012	0.806	5.660
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	6.410	289.0	35.96	40.46	9.895	0.040	4.098	3.776	7.351
Stddev	0.0034	1.5	0.16	0.53	0.016	0.007	0.066	0.009	0.064
%RSD	5.331	5.135	4.549	1.312	1.568	18.68	1.608	2.333	8.771
#1	6.448	290.5	36.14	40.90	9.904	0.038	4.156	3.766	7.395
#2	6.383	289.0	35.91	40.61	9.878	0.048	4.026	3.780	7.277
#3	6.399	287.5	35.82	39.87	9.905	0.034	4.113	3.783	7.382
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0035	-0.107	2.772	0.427	1.308	10.45	-0.026	5.936	5.165
Stddev	0.0070	0.107	0.004	0.013	0.03	0.02	0.053	0.012	0.017
%RSD	197.0	99.93	1.633	2.995	2.157	1.777	206.2	2.022	3.296
#1	0.044	-0.217	2.767	0.437	1.310	10.47	-0.087	5.950	5.171
#2	-0.067	-0.098	2.775	0.431	1.305	10.43	0.007	5.928	5.146
#3	-0.084	-0.004	2.774	0.413	1.309	10.44	0.003	5.931	5.178
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2463.3	4993.9	4183.2	3636.5					
Stddev	1.2	3.0	80	38.2					
%RSD	0.4680	0.6031	1.9152	1.0517					
#1	2462.2	4997.4	4186.7	3639.1					
#2	2463.2	4992.8	4188.9	3597.0					
#3	2464.5	4991.7	4174.0	3673.4					

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Sample Name: FA32237-7 Acquired: 4/22/2016 15:17:13 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	193.4	0.612	1.001	0.046	23.04	-0.006	0.787	4.815
Stddev	0.0012	1.0	0.068	0.006	0.003	0.08	0.002	0.001	0.035
%RSD	322.5	5.255	11.19	5.937	6.416	3.642	26.57	1.847	7.286
#1	0.009	192.2	0.533	0.963	0.045	22.94	-0.005	0.786	4.795
#2	-0.007	193.8	0.647	0.985	0.045	23.09	-0.005	0.787	4.795
#3	-0.013	194.1	0.656	1.008	0.050	23.09	-0.008	0.789	4.856
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	3.589	199.2	25.15	26.51	2.146	0.014	2.320	1.898	1.283
Stddev	0.015	5	32	31	0.12	0.003	0.028	0.002	0.08
%RSD	4.248	2.318	1.278	1.167	5.419	22.70	1.183	0.980	6.354
#1	3.605	198.7	24.85	26.74	2.144	0.010	2.327	1.899	1.274
#2	3.587	199.6	25.12	26.64	2.136	0.016	2.344	1.896	1.285
#3	3.575	199.2	25.49	26.16	2.159	0.015	2.290	1.898	1.290
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.007	-0.109	2.960	0.443	2.950	7.059	-0.062	4.214	3.996
Stddev	0.0037	0.095	0.003	0.008	0.017	0.11	0.006	0.009	0.012
%RSD	534.9	87.17	1.015	1.896	5.600	1.513	10.35	2.211	3.023
#1	-0.043	-0.030	2.960	0.438	2.932	7.053	-0.064	4.220	3.982
#2	0.031	-0.083	2.957	0.438	2.964	7.053	-0.068	4.204	4.003
#3	-0.009	-0.214	2.963	0.453	2.955	7.072	-0.055	4.219	4.003
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2531.0	5041.3	4251.0	3644.9					
Stddev	9.8	14.5	127	19.1					
%RSD	3.8656	2.8702	2.9760	5.2494					
#1	2539.1	5051.1	4251.6	3661.1					
#2	2533.8	5048.2	4263.3	3623.8					
#3	2520.1	5024.7	4238.0	3649.9					

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7.3
7

Sample Name: FA32237-10 Acquired: 4/22/2016 15:21:34 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.000	485.5	0.806	3.867	0.143	101.5	0.008	1.152	6.937
Stddev	0.0015	1.0	0.024	0.008	0.002	.1	0.004	0.002	0.016
%RSD	709.2	2.154	2.977	1.980	1.328	1.451	53.71	1.941	2.332
#1	-0.017	484.3	0.791	3.859	0.143	101.3	0.012	1.153	6.949
#2	0.006	486.3	0.793	3.869	0.146	101.5	0.009	1.150	6.943
#3	0.011	485.9	0.834	3.874	0.142	101.6	0.003	1.154	6.918
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	4.109	349.2	39.67	53.82	9.680	0.061	4.421	4.763	8.627
Stddev	0.014	4	20	26	0.017	0.005	0.024	0.016	0.044
%RSD	3.511	1.238	4.941	4.790	1.722	7.817	5.432	3.418	5.088
#1	4.124	348.7	39.56	53.69	9.699	0.065	4.396	4.781	8.577
#2	4.108	349.6	39.54	54.12	9.666	0.063	4.424	4.751	8.644
#3	4.096	349.2	39.89	53.66	9.676	0.056	4.444	4.756	8.660
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0076	-0.167	2.839	0.414	1.360	11.70	0.011	6.856	7.784
Stddev	0.0058	0.080	0.010	0.010	0.005	0.02	0.010	0.014	0.038
%RSD	75.68	48.31	3.618	2.362	3.466	1.379	98.64	1.971	4.855
#1	-0.011	-0.216	2.851	0.403	1.356	11.72	0.018	6.847	7.791
#2	-0.122	-0.210	2.837	0.420	1.365	11.70	-0.012	6.872	7.743
#3	-0.095	-0.074	2.831	0.419	1.360	11.69	0.018	6.850	7.817
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2439.3	5049.1	4221.3	3647.4					
Stddev	5.4	15.6	106	8.3					
%RSD	2.2174	3.0970	2.5135	2.2822					
#1	2441.1	5038.1	4232.4	3656.9					
#2	2433.2	5042.2	4220.4	3643.5					
#3	2443.5	5067.0	4211.2	3641.7					

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Sample Name: FA32237-13 Acquired: 4/22/2016 15:25:54 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	200.0	0.663	7.435	0.044	35.56	-0.005	0.415	4.563
Stddev	0.0005	0.8	0.026	0.044	0.005	0.18	0.000	0.006	0.018
%RSD	93.45	3.818	3.919	5.922	12.34	5.200	4.809	1.333	3.980
#1	0.000	200.7	0.692	7.485	0.038	35.71	-0.005	0.418	4.560
#2	-0.011	199.2	0.641	7.413	0.045	35.36	-0.006	0.418	4.583
#3	-0.007	200.1	0.656	7.405	0.048	35.63	-0.006	0.409	4.547
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.245	179.2							

Sample Name: FA32237-14 Acquired: 4/22/2016 15:30:16 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	218.3	0.737	8.209	0.051	37.93	-0.004	0.455	4.969
Stddev	.0008	.8	.0023	.0012	.0002	.12	.0003	.0003	.0011
%RSD	127.5	.3490	3.187	.1461	3.550	.3205	60.52	.5742	.2266
#1	.0002	218.9	.0752	.8214	.0049	38.05	-.0007	.0453	4.974
#2	-.0007	218.5	.0710	.8196	.0050	37.95	-.0002	.0458	4.977
#3	-.0013	217.4	.0750	.8219	.0053	37.81	-.0005	.0453	4.956
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	4.077	194.7	19.88	30.59	2.277	0.016	2.648	2.476	5.255
Stddev	.0020	.4	.07	.15	.008	.0006	.017	.0006	.0028
%RSD	.4865	.2138	.3696	.4832	.3637	39.84	.6381	.2436	.5238
#1	.4058	195.0	19.92	30.68	2.285	.0023	2.658	.2473	5.259
#2	.4098	194.7	19.93	30.66	2.268	.0014	2.628	.2483	5.225
#3	.4076	194.2	19.79	30.42	2.277	.0011	2.657	.2472	5.280
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.045	-0.144	3.863	0.431	4.107	8.162	-0.021	4.182	3.719
Stddev	.0040	.0022	.009	.0009	.0018	.012	.0005	.0027	.0017
%RSD	87.29	15.28	.2448	1.985	4.317	.1510	21.32	.6371	.4576
#1	-.0003	-.0133	3.856	.0440	.4125	8.169	-.0027	.4211	.3709
#2	-.0081	-.0129	3.858	.0428	.4090	8.148	-.0018	.4161	.3709
#3	-.0052	-.0169	3.874	.0424	.4105	8.169	-.0019	.4172	.3739
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2521.4	5070.4	42277	3637.2					
Stddev	2.6	1.4	203.	6.5					
%RSD	.10302	.02731	.48093	.17831					
#1	2518.6	5068.8	42062.	3636.8					
#2	2523.8	5071.4	42466.	3630.8					
#3	2521.9	5071.0	42304.	3643.8					

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Sample Name: FA32237-19 Acquired: 4/22/2016 15:34:37 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0005	204.1	0.636	1.274	0.053	53.36	0.018	0.572	4.118
Stddev	.0006	.8	.0021	.003	.0003	.14	.0005	.0007	.0016
%RSD	134.4	.3768	3.372	.2336	4.696	.2699	27.40	1.187	.3907
#1	.0000	203.5	.0661	1.270	.0056	53.20	.0022	.0574	4.136
#2	.0012	203.8	.0625	1.276	.0051	53.38	.0018	.0578	4.104
#3	.0003	204.9	.0623	1.275	.0054	53.49	.0013	.0565	4.114
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.409	176.4	21.89	31.99	4.724	0.008	2.537	2.493	9.268
Stddev	.0023	.2	.13	.18	.015	.0010	.018	.0005	.0050
%RSD	.9437	.1233	.6022	.5575	.3220	120.0	.7089	.1831	.5404
#1	.2386	176.2	21.86	31.91	4.740	-.0003	2.516	.2488	9.262
#2	.2410	176.6	21.77	31.87	4.710	.0012	2.545	.2493	9.221
#3	.2432	176.6	22.03	32.20	4.722	.0017	2.549	.2497	9.320
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.056	-0.030	3.481	0.452	6.809	6.581	-0.072	3.342	4.507
Stddev	.0053	.0035	.008	.0012	.0064	.009	.0040	.0020	.0008
%RSD	95.46	115.8	.2384	2.702	.5063	.1433	55.07	.6052	.1679
#1	-.0026	-.0032	3.474	.0446	.6779	6.586	-.0049	.3362	.4506
#2	-.0118	.0006	3.490	.0443	.6801	6.570	-.0118	.3344	.4501
#3	-.0024	-.0063	3.478	.0466	.6847	6.587	-.0049	.3321	.4515
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2525.1	5096.5	42260	3614.6					
Stddev	5.0	18.4	129.	18.0					
%RSD	.19952	.36135	.30630	.49726					
#1	2528.1	5117.7	42150.	3635.3					
#2	2527.9	5087.8	42402.	3602.5					
#3	2519.2	5084.1	42227.	3606.1					

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7.3
7

Sample Name: FA32237-22 Acquired: 4/22/2016 15:38:58 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0005	226.9	0.235	2.524	0.041	66.46	-0.005	0.487	3.289
Stddev	.0014	2.0	.0029	.017	.0001	.59	.0003	.0001	.0011
%RSD	253.8	.9008	12.24	.6719	2.701	.8825	55.93	.2170	.3328
#1	.0007	226.0	.0264	2.511	.0040	66.13	-.0005	.0486	.3300
#2	.0018	225.5	.0207	2.518	.0042	66.11	-.0002	.0487	.3289
#3	-.0009	229.2	.0234	2.543	.0040	67.14	-.0008	.0488	.3278
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.938	192.4	22.02	21.41	6.876	0.027	3.001	2.148	3.804
Stddev	.0006	1.7	.14	.29	.007	.0004	.016	.0006	.0042
%RSD	.6655	.8704	.6583	1.360	.0969	16.60	.5192	.2820	1.093
#1	.0933	191.4	22.08	21.23	6.868	.0032	3.017	.2142	.3837
#2	.0936	191.5	21.85	21.24	6.881	.0025	2.986	.2147	.3757
#3	.0945	194.4	22.12	21.74	6.879	.0023	3.001	.2154	.3818
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.024	-0.025	4.265	0.051	9.082	7.071	-0.047	4.606	2.393
Stddev	.0042	.0026	.012	.0010	.0094	.004	.0028	.0017	.0003
%RSD	175.7	106.5	.2872	1.976	1.032	.0638	58.73	.3753	.1116
#1	.0006	.0002	4.265	.0518	.9007	7.066	-.0064	.4606	.2391
#2	-.0071	-.0025	4.277	.0504	9.051	7.074	-.0015	.4624	.2396
#3	-.0006	-.0050	4.252	.0524	.9187	7.073	-.0063	.4590	.2392
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2517.6	5032.4	41862	3579.3					
Stddev	6.7	5.8	25.	35.4					
%RSD	.26537	.11597	.06088	.99000					
#1	2518.6	5037.8	41852.	3582.8					
#2	2523.7	5033.1	41843.	3612.9					
#3	2510.5	5026.2	41891.	3542.3					

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Sample Name: CCV Acquired: 4/22/2016 15:43:19 Type: QC
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.574	41.68	1.991	2.076	2.042	42.49	2.043	2.052	2.081
Stddev	.0007	.03	.002	.003	.002	.04	.001	.001	.004
%RSD	.2832	.0736	.1227	.1226	.1039	.0903	.0618	.0394	.2145
#1	.2570	41.65	1.991	2.075	2.040	42.51	2.044	2.053	2.086
#2	.2582	41.68	1.994	2.079	2.045	42.51	2.042	2.051	2.080
#3	.2569	41.71	1.989	2.074	2.042	42.44	2.042	2.053	2.078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.061	40.23	42.31	42.09	2.087	2.025	40.84	2.027	2.035
Stddev	.005	.04	.08	.11	.009	.0			

Sample Name: CCV Acquired: 4/22/2016 15:43:19 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2275.9	4768.1	4004.2	3511.3
Stddev	6.5	4.7	189.	6.7
%RSD	.28498	.09766	.47143	.19077
#1	2279.2	4768.8	40123.	3507.9
#2	2280.0	4772.3	39826.	3507.0
#3	2268.4	4763.1	40176.	3519.0

Sample Name: CCB Acquired: 4/22/2016 15:47:30 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0002	.0076	-.0001	.0004	.0003	.0069	.0001	.0002	.0002
Stddev	.0003	.0052	.0007	.0006	.0000	.0031	.0001	.0001	.0000
%RSD	165.1	69.25	509.3	161.1	15.66	45.18	148.1	56.08	12.66
#1	-.0001	.0136	-.0003	.0004	.0003	.0042	.0002	.0002	.0003
#2	-.0005	.0037	.0006	.0010	.0002	.0104	.0001	.0002	.0002
#3	.0001	.0054	-.0007	-.0003	.0003	.0062	-.0001	.0001	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0000	.0111	.0257	.0097	.0003	.0004	.0421	.0003	-.0004
Stddev	.000	.0036	.0493	.0259	.0000	.0003	.0078	.0001	.0011
%RSD	242.6	32.21	191.6	266.7	18.29	79.19	18.61	43.04	263.5
#1	-.0001	.0142	.0682	.0390	.0003	.0006	.0335	.0004	-.0015
#2	-.0001	.0119	-.0284	.0006	.0003	.0005	.0489	.0002	-.0004
#3	.0001	.0072	.0374	-.0104	.0002	.0000	.0440	.0002	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0000	-.0005	.0009	.0002	.0003	.0006	.0000	.0004	.0001
Stddev	.000	.0021	.0002	.0003	.0001	.0000	.0014	.0001	.0001
%RSD	2496.	466.4	20.49	152.2	28.46	4.436	3584.	35.38	62.80
#1	.0001	-.0028	.0007	.0005	.0004	.0006	.0014	.0005	.0001
#2	.0002	.0013	.0011	.0000	.0003	.0006	-.0014	.0002	.0000
#3	-.0003	-.0001	.0010	.0001	.0002	.0006	.0001	.0004	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.3
7

Sample Name: CCB Acquired: 4/22/2016 15:47:30 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2672.5	4998.1	42297.	3620.2
Stddev	2.2	2.1	157.	11.7
%RSD	.08223	.04286	.37144	.32388
#1	2673.1	4995.9	42294.	3627.6
#2	2674.3	5000.1	42456.	3626.3
#3	2670.0	4998.2	42142.	3606.7

Sample Name: FA32237-25 Acquired: 4/22/2016 15:52:03 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-.0006	192.9	.0204	1.311	.0033	31.70	-.0014	.0356	.3010
Stddev	.0005	.0	.0049	.004	.0002	.15	.0001	.0009	.0016
%RSD	76.47	.0251	23.81	.3160	4.885	4.732	9.624	2.495	5.377
#1	-.0012	192.9	.0165	1.308	.0033	31.64	-.0014	.0365	.3001
#2	-.0003	192.9	.0258	1.310	.0031	31.87	-.0015	.0354	.3002
#3	-.0004	192.8	.0189	1.316	.0034	31.60	-.0012	.0348	.3029

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.0662	170.1	17.67	16.85	3.257	.0056	2.423	.1595	.2169
Stddev	.0004	.6	.11	.12	.006	.0003	.038	.0011	.0004
%RSD	.6696	.3461	.6392	.7228	.1978	5.459	1.554	.7067	.1653
#1	.0667	169.7	17.59	16.96	3.263	.0059	2.447	.1602	.2169
#2	.0658	170.8	17.80	16.72	3.258	.0053	2.380	.1582	.2173
#3	.0662	169.8	17.62	16.88	3.250	.0055	2.443	.1601	.2166

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.0001	-.0090	4.201	.0481	.4898	6.785	-.0014	.4289	.1879
Stddev	.0039	.0099	.028	.0016	.0032	.008	.0054	.0019	.0008
%RSD	4429.	110.1	.6743	3.302	.6544	.1231	392.5	.4477	.4370
#1	-.0014	.0024	4.232	.0498	.4863	6.793	-.0019	.4290	.1884
#2	.0045	-.0152	4.177	.0467	.4904	6.786	-.0065	.4269	.1870
#3	-.0028	-.0141	4.194	.0477	.4926	6.776	.0042	.4307	.1883

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2516.7	4987.5	41566.	3565.9
Stddev	12.0	24.3	113.	14.7
%RSD	.47835	.48650	.27223	.41291
#1	2503.0	4959.5	41566.	3577.9
#2	2521.7	5000.4	41452.	3549.5
#3	2525.5	5002.6	41679.	3570.5

Sample Name: FA32237-28 Acquired: 4/22/2016 15:56:28 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0006	399.3	.0722	4.465	.0132	125.2	.0020	.1019	.6684
Stddev	.0012	1.7	.0051	.025	.0001	.7	.0002	.0003	.0016
%RSD	191.3	.4332	7.113	.5696	.4244	.5969	11.73	.2482	.2408
#1	.0008	398.7	.0749	4.472	.0131	124.7	.0022	.1016	.6687
#2	.0016	398.0	.0755	4.437	.0132	124.8	.0021	.1020	.6667
#3	-.0006	401.3	.0663	4.487	.0133	126.0	.0017	.1020	.6698
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2207	315.7	35.81	49.66	15.60	.0053	5.038	4.288	1.829
Stddev	.0019	1.6	.09	.31	.10	.0001	.026	.0009	.001
%RSD	.8752	.4990	.2525	.6151	.6109	2.833	.5118	.2150	.0527
#1	.2218	314.5	35.71	49.46	15.71	.0053	5.041	4.289	1.830
#2	.2184	315.0	35.84	49.51	15.55	.0051	5.011	4.278	1.829
#3	.2218	317.4	35.88	50.01	15.54	.0054	5.062	4.296	1.828
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0048	-.0139	4.159	.0391	1.669	11.74	.0033	.5963	.4825
Stddev	.0055	.0063	.008	.0013	.006	.02	.0037	.0028	.0019
%RSD	114.3	45.36	.1874	3.410	.3367	.1974	114.1	.4715	.3932
#1	-.0022	-.0067	4.154	.0396	1.667	11.76	.0049	.5970	.4822
#2	-.0111	-.0182	4.156	.0376	1.664	11.71	-.0010	.5987	.4808
#3	-.0011	-.0168	4.168	.0401	1.675	11.74	.0059	.5932	.4846
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2442.7	5069.0	42226.	3620.5					
Stddev	1.8	2.7	118.	19.7					
%RSD	.07197	.05244	.27848	.54303					
#1	2440.7	5069.1	42223.	3629.4					
#2	2443.3	5071.6	42345.	3634.2					
#3	2444.0	5066.3	42110.	3598.0					

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Sample Name: FA32238-1 Acquired: 4/22/2016 16:00:58 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0003	241.7	.0247	2.974	.0047	57.73	-.0006	.0613	.3297
Stddev	.0008	.5	.0055	.009	.0001	.06	.0001	.0010	.0017
%RSD	260.1	.2082	22.12	.2911	2.779	.1098	23.79	1.651	.5102
#1	.0001	241.2	.0284	2.967	.0047	57.72	-.0005	.0610	.3309
#2	.0002	241.7	.0272	2.970	.0048	57.80	-.0005	.0605	.3278
#3	-.0012	242.2	.0184	2.984	.0046	57.68	-.0007	.0625	.3305
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6810	197.7	13.46	21.01	5.637	.0059	2.645	2.214	2.502
Stddev	.0041	.4	.05	.12	.017	.0010	.009	.0015	.009
%RSD	.6022	.2198	.3349	.5817	.3087	16.30	.3481	.6822	.3522
#1	.6770	197.2	13.46	20.97	5.650	.0051	2.649	2.209	2.504
#2	.6809	197.9	13.50	21.14	5.617	.0057	2.652	2.231	2.510
#3	.6852	198.0	13.41	20.91	5.644	.0070	2.635	.2202	2.493
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0010	-.0036	4.285	.0452	.8387	6.947	-.0074	.4868	.3399
Stddev	.0061	.0011	.004	.0022	.0020	.014	.0083	.0020	.0006
%RSD	599.5	30.96	.0810	4.932	.2368	.1974	112.6	.4053	.1648
#1	-.0059	-.0042	4.283	.0472	.8370	6.948	-.0071	.4845	.3393
#2	.0034	-.0023	4.283	.0456	.8382	6.933	.0008	.4883	.3402
#3	.0056	-.0042	4.289	.0428	.8408	6.961	-.0158	.4875	.3403
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2517.2	5048.3	42153.	3634.7					
Stddev	1.7	2.0	77.	4.1					
%RSD	.06713	.04051	.18371	.11188					
#1	2515.3	5046.1	42237.	3638.9					
#2	2518.1	5050.1	42084.	3630.7					
#3	2518.3	5048.8	42138.	3634.5					

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7.3
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Sample Name: FA32238-4 Acquired: 4/22/2016 16:05:20 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	173.3	.0240	1.389	.0025	42.09	-.0006	.0310	.2630
Stddev	.0008	.4	.0023	.004	.0002	.25	.0002	.0005	.0008
%RSD	394.9	.2509	9.740	.2615	7.644	.5926	30.97	1.598	.3068
#1	.0011	173.1	.0221	1.390	.0024	41.91	-.0004	.0310	.2626
#2	-.0006	172.9	.0233	1.385	.0024	41.99	-.0008	.0305	.2639
#3	.0001	173.8	.0266	1.392	.0028	42.38	-.0006	.0315	.2625
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7314	179.3	16.93	15.29	3.604	.0052	1.999	1.378	7.278
Stddev	.0024	.5	.20	.12	.002	.0005	.034	.0004	.022
%RSD	.3239	.2567	1.160	.7551	.0677	9.736	1.676	.2693	.2996
#1	.7317	179.0	16.71	15.19	3.602	.0054	1.992	.1373	7.252
#2	.7289	179.1	17.07	15.27	3.603	.0046	2.035	.1379	7.289
#3	.7336	179.8	17.02	15.42	3.607	.0056	1.969	.1381	7.292
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0054	-.0119	3.750	.0481	.7377	5.793	-.0039	.4545	.3096
Stddev	.0064	.0074	.007	.0018	.0038	.013	.0032	.0014	.0005
%RSD	118.6	61.78	.1831	3.747	.5183	.2209	81.95	.3074	.1578
#1	.0103	-.0035	3.750	.0461	.7351	5.791	-.0075	.4559	.3093
#2	.0077	-.0155	3.743	.0486	.7360	5.782	-.0026	.4531	.3102
#3	-.0018	-.0168	3.757	.0495	.7421	5.807	-.0015	.4546	.3094
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2537.4	5017.3	41983.	3551.3					
Stddev	2.1	9.9	59.	16.1					
%RSD	.08084	.19771	.14120	.45323					
#1	2539.3	5013.6	42047.	3562.7					
#2	2537.5	5028.6	41972.	3558.4					
#3	2535.2	5009.9	41930.	3532.9					

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Sample Name: FA32238-7 Acquired: 4/22/2016 16:09:44 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0003	523.9	.1014	2.550	.0139	86.81	-.0012	.1021	.7050
Stddev	.0029	.7	.0053	.005	.0003	.37	.0004	.0003	.0036
%RSD	1120.	.1342	5.201	.2136	2.157	4.313	35.99	.2958	.5169
#1	.0010	524.5	.0953	2.549	.0141	87.22	-.0015	.1021	.7025
#2	.0019	523.9	.1040	2.545	.0141	86.73	-.0014	.1024	.7034
#3	-.0036	523.1	.1049	2.556	.0136	86.48	-.0007	.1018	.7092
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2995	366.5	33.43	60.33	7.243	.0079	6.272	4.979	2.458
Stddev	.0004	.3	.08	.42	.017	.0008	.027	.0017	.012
%RSD	.1434	.0761	.2266	.6894	.2366	10.31	4.279	.3327	.4955
#1	.2993	366.7	33.51	60.78	7.226	.0088	6.302	.4994	2.470
#2	.2992	366.2	33.40	59.95	7.260	.0073	6.262	.4961	2.459
#3	.3000	366.4	33.37	60.26	7.242	.0076	6.252	.4980	2.446
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0002	-.0128	4.575	.0488	1.238	12.80	-.0016	.70	

Sample Name: FA32238-10 Acquired: 4/22/2016 16:14:05 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	392.9	0.810	2.511	0.112	94.22	0.009	0.0890	0.582
Stddev	0.0022	2.0	0.049	0.09	0.004	0.88	0.004	0.002	0.0034
%RSD	512.9	0.5194	6.069	0.3662	3.633	0.9383	40.13	0.2438	0.5701
#1	0.017	392.1	0.768	2.501	0.108	93.44	0.009	0.0888	0.5996
#2	-0.004	395.2	0.864	2.520	0.116	95.18	0.006	0.0889	0.5943
#3	-0.027	391.4	0.798	2.512	0.111	94.03	0.013	0.0892	0.6007
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.2319	303.2	31.22	50.13	7.637	0.043	4.012	4.099	0.5663
Stddev	0.004	1.9	0.19	0.25	0.033	0.008	0.119	0.015	0.0021
%RSD	0.1575	0.6235	0.6206	0.5036	0.4267	19.46	2.969	0.3656	0.3744
#1	0.2315	302.4	31.28	50.19	7.642	0.036	3.923	4.115	0.5585
#2	0.2322	305.4	31.38	50.35	7.602	0.052	4.147	4.096	0.5544
#3	0.2320	301.9	31.01	49.85	7.667	0.041	3.964	4.085	0.5560
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.0053	-0.0023	3.965	0.457	1.272	10.52	-0.0053	0.5918	0.5092
Stddev	0.0032	0.0131	0.007	0.002	0.005	0.04	0.0071	0.0049	0.0010
%RSD	59.83	559.8	0.1876	0.4611	0.4230	0.3662	134.8	0.8312	0.1958
#1	-0.0084	-0.0088	3.974	0.455	1.274	10.51	0.010	0.5870	0.5103
#2	-0.0055	-0.0110	3.959	0.458	1.277	10.49	-0.0130	0.5916	0.5090
#3	-0.0020	-0.0128	3.963	0.459	1.267	10.56	-0.0038	0.5968	0.5084
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2449.1	5049.6	4160.3	3595.5					
Stddev	7	10.8	227	32.8					
%RSD	0.2785	0.2132	0.5497	0.91286					
#1	2448.8	5039.9	4159.7	3624.1					
#2	2448.6	5047.8	4183.4	3559.6					
#3	2449.9	5061.2	4137.9	3602.7					

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Sample Name: CRIA Acquired: 4/22/2016 16:18:26 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0094	2381	0.100	2.153	0.050	1.118	0.054	0.0554	0.109
Stddev	0.0005	0.070	0.010	0.007	0.001	0.012	0.001	0.002	0.002
%RSD	5.075	2.944	10.06	0.3023	1.533	1.026	1.169	0.3585	1.954
#1	0.0096	2449	0.095	2.156	0.050	1.131	0.054	0.0553	0.112
#2	0.0089	2309	0.093	2.158	0.051	1.110	0.053	0.0552	0.108
#3	0.0098	2385	0.111	2.146	0.049	1.112	0.054	0.0556	0.108
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0280	3404	10.90	5.510	0.0172	0.509	10.59	0.0439	0.0048
Stddev	0.0005	0.026	0.03	0.108	0.001	0.001	0.03	0.001	0.0005
%RSD	1.726	0.7724	0.2923	1.967	0.6767	0.1698	0.2827	0.2115	10.21
#1	0.0281	3390	10.93	5.580	0.0172	0.508	10.63	0.0439	0.0052
#2	0.0275	3434	10.89	5.385	0.0172	0.510	10.57	0.0440	0.0043
#3	0.0284	3387	10.87	5.565	0.0170	0.509	10.59	0.0438	0.0050
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.0046	0.0096	0.0469	0.0562	0.106	0.110	0.108	0.0507	0.0244
Stddev	0.0009	0.010	0.005	0.001	0.001	0.001	0.001	0.0007	0.0004
%RSD	18.36	10.82	1.072	1.155	0.5411	0.5970	6.081	0.8340	0.1454
#1	0.0039	0.0104	0.0473	0.0563	0.106	0.111	0.101	0.0510	0.0244
#2	0.0044	0.0098	0.0471	0.0562	0.106	0.110	0.114	0.0508	0.0244
#3	0.0056	0.0084	0.0463	0.0561	0.107	0.110	0.108	0.0502	0.0243
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2559.9	4936.4	4147.0	3593.0					
Stddev	2.2	3.6	244	7.0					
%RSD	0.08481	0.07211	0.58748	0.19569					
#1	2562.4	4939.9	4146.4	3585.4					
#2	2558.3	4932.8	4123.0	3594.3					
#3	2559.0	4936.4	4171.7	3599.3					

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7.3
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Sample Name: ICSA Acquired: 4/22/2016 16:22:53 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0003	F 531.2	0.0001	-0.0004	-0.0003	F 523.5	-0.0007	-0.0001	-0.0004
Stddev	0.0003	2.7	0.0025	0.0004	0.0001	2.4	0.0002	0.0001	0.0002
%RSD	94.63	5041	2571	108.8	34.41	4547	31.69	154.0	58.54
#1	-0.0000	530.0	0.0003	-0.0004	-0.0004	526.3	-0.0005	-0.0001	-0.0003
#2	-0.0006	534.3	-0.0025	-0.0001	-0.0002	522.3	-0.0010	0.0000	-0.0006
#3	-0.0003	529.3	0.0025	-0.0007	-0.0003	522.1	-0.0008	-0.0002	-0.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0003	194.2	-0.0086	F 558.1	-0.0006	-0.0001	2639	0.0005	-0.0021
Stddev	0.0002	7	0.0157	1.9	0.0000	0.0004	0.0093	0.0002	0.0022
%RSD	51.08	3.763	182.4	0.3372	2.733	687.8	3.519	43.98	104.5
#1	0.0004	193.9	0.0075	558.0	-0.0006	-0.0002	2534	0.0004	-0.0006
#2	0.0004	195.0	-0.0238	560.0	-0.0006	-0.0004	2674	0.0003	-0.0046
#3	0.0001	193.6	-0.0094	556.3	-0.0006	-0.0003	2710	0.0007	-0.0011
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.0007	0.0008	0.0611	0.0019	-0.0002	0.0003	-0.0003	0.0012	-0.0020
Stddev	0.0004	0.0003	0.0005	0.0005	0.0000	0.0001	0.0008	0.0002	0.0001
%RSD	64.67	37.25	0.8438	26.37	17.18	22.92	273.3	17.16	4.570
#1	-0.0007	0.0009	0.0607	0.0021	-0.0002	0.0003	-0.0010	0.0010	-0.0020
#2	-0.0002	0.0005	0.0609	0.0014	-0.0001	0.0004	0.0006	0.0014	-0.0019
#3	-0.0011	0.0011	0.0617	0.0023	-0.0002	0.0003	-0.0006	0.0013	-0.0021
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1984.0	4364.2	3551.9	3260.9					
Stddev	3.2	8.2	43	13.4					
%RSD	0.16052	0.18787	0.12109	0.41111					
#1	1980.8	4364.4	3547.1	3262.7					
#2	1987.2	4372.3	3553.5	3246.7					
#3	1984.0	4355.9	3555.2	3273.3					

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Sample Name: ICSAB Acquired: 4/22/2016 16:27:33 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F 1.079	F 531.9	1.081	0.5517	0.5304	F 522.4	0.9724	0.4873	0.5313
Stddev	0.003	2.0	0.002	0.007	0.0018	0.2	0.0022	0.0006	0.0028
%RSD	0.3022	0.3802	0.1629	1.229	0.3479	0.0427	0.2288	0.1184	0.5361
#1	1.083	529.6	1.083	0.5519	0.5284	522.3	0.9741	0.4876	0.5324
#2	1.077	533.2	1.079	0.5510	0.5308	522.3	0.9733	0.4877	0.5334
#3	1.078	533.0	1.082	0.5523	0.5320	522.7	0.9699	0.4867	0.5280
Elem	Cu3247	Fe2599</							

Sample Name: CCV Acquired: 4/22/2016 16:32:02 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2571	42.56	1.974	2.102	2.062	43.24	2.027	2.047	2.095
Stddev	.0009	.05	.011	.001	.008	.04	.011	.012	.011
%RSD	.3500	.1194	.5432	.0342	.3937	.1024	.5389	.5785	.5324
#1	.2569	42.59	1.962	2.101	2.063	43.19	2.016	2.034	2.089
#2	.2563	42.50	1.976	2.101	2.053	43.28	2.027	2.048	2.089
#3	.2580	42.59	1.983	2.102	2.069	43.26	2.038	2.058	2.108

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.057	40.86	42.99	42.96	2.101	2.021	41.08	2.010	2.021
Stddev	.003	.07	.05	.07	.014	.013	.12	.012	.010
%RSD	.1453	.1720	.1106	.1560	.6578	.6306	.2981	.5892	.4788
#1	2.060	40.93	42.94	42.99	2.095	2.008	41.11	2.000	2.010
#2	2.054	40.79	43.03	42.89	2.092	2.022	40.95	2.007	2.026
#3	2.058	40.88	43.00	43.02	2.117	2.033	41.19	2.023	2.027

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.977	1.999	1.428	2.082	2.127	2.044	2.023	2.018	2.099
Stddev	.014	.013	.010	.013	.002	.012	.013	.014	.009
%RSD	.6981	.6402	.7272	.6349	.0945	.5979	.6220	.6745	.4325
#1	1.963	1.986	1.418	2.069	2.125	2.039	2.009	2.008	2.090
#2	1.977	2.000	1.428	2.083	2.128	2.036	2.027	2.013	2.099
#3	1.991	2.012	1.439	2.095	2.128	2.058	2.033	2.034	2.108

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/22/2016 16:32:02 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2271.2	4762.3	39630.	3416.9
Stddev	8.5	24.0	253.	15.1
%RSD	.37474	.50441	.63745	.44049
#1	2280.8	4784.6	39816.	3434.3
#2	2264.7	4765.4	39732.	3407.5
#3	2268.1	4736.8	39342.	3409.0

Sample Name: CCB Acquired: 4/22/2016 16:36:12 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	F .0283	.0004	.0006	.0003	.0319	.0001	.0001	.0002
Stddev	.0002	.0093	.0004	.0002	.0001	.0093	.0001	.0000	.0001
%RSD	293.9	32.84	82.52	36.23	56.62	28.99	78.45	40.10	72.78
#1	.0002	.0364	.0008	.0004	.0004	.0417	.0001	.0002	.0002
#2	.0002	.0305	.0001	.0006	.0002	.0309	.0001	.0001	.0003
#3	-.0002	.0181	.0005	.0008	.0002	.0233	.0000	.0001	.0001

Check ? Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit .0250
 Low Limit -.0250

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0209	.0344	.0149	.0002	.0005	.0439	-.0001	.0000
Stddev	.0000	.0045	.0139	.0171	.0000	.0004	.0038	.0003	.000
%RSD	42.13	21.57	40.39	114.7	17.98	95.85	8.734	462.6	1165.
#1	-.0001	.0254	.0397	.0250	.0002	.0009	.0475	.0002	.0001
#2	-.0001	.0209	.0449	.0246	.0002	.0005	.0399	-.0004	.0000
#3	-.0001	.0164	.0186	-.0048	.0001	.0000	.0443	.0000	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0007	-.0013	.0013	.0004	.0003	.0005	.0001	.0002	.0000
Stddev	.0004	.0021	.0003	.0003	.0001	.0001	.0010	.0001	.0001
%RSD	54.16	156.6	24.28	64.74	22.48	21.83	786.4	84.22	193.4
#1	-.0012	-.0025	.0016	.0007	.0004	.0006	.0012	.0002	.0001
#2	-.0004	-.0026	.0009	.0004	.0003	.0006	-.0001	.0003	.0000
#3	-.0006	.0011	.0012	.0001	.0003	.0004	-.0007	.0000	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/22/2016 16:36:12 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2667.8	5008.8	42041.	3522.1
Stddev	3.5	3.8	192.	5.0
%RSD	.13229	.07619	.45734	.14263
#1	2667.0	5012.9	42024.	3521.8
#2	2671.7	5007.9	42241.	3527.3
#3	2664.8	5005.4	41858.	3517.3

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000009	0.000000	No
Al 396.152 {85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000077	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 {74}	<input checked="" type="checkbox"/>	1	Fe	0.000005	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000091	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000000	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000016	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000110	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 {44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000010	0.000000	No
Na 589.592 {57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000041	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000051	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000025	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	0.000017	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000035	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	-0.000013	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000007	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.000256	0.588543	0.000000	1.000000
Al 396.152 { 85}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.001869	0.226269	0.000000	1.000000
As 189.042 {478}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.000715	0.161922	0.000000	1.000000
Ba 455.403 { 74}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.003489	8.986027	0.000000	1.000000
Be 313.042 {108}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.003469	10.929063	0.000000	1.000000
Ca 317.933 {106}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.007353	0.239392	0.000000	1.000000
Cd 226.502 {449}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.000910	4.484779	0.000000	1.000000
Co 228.616 {447}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.000529	2.522234	0.000000	1.000000
Cr 267.716 {126}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.000150	0.504571	0.000000	1.000000
Cu 324.754 {104}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.006624	0.915863	0.000000	1.000000
Fe 259.940 {130}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.002024	0.156412	0.000000	1.000000
In 230.606 {446}*	4/22/2016 10:52:04	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.007412	0.097758	0.000000	1.000000
Mg 279.079 {121}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.000305	0.024586	0.000000	1.000000
Mn 257.610 {131}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.000911	2.658076	0.000000	1.000000
Mo 202.030 {467}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.001406	1.017100	0.000000	1.000000
Na 589.592 { 57}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.007860	0.415639	0.000000	1.000000
Ni 231.604 {445}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.000395	1.496612	0.000000	1.000000
Pb 220.353 {453}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.000559	0.786878	0.000000	1.000000
Sb 206.833 {463}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.000827	0.239869	0.000000	1.000000
Se 196.090 {472}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.000054	0.112880	0.000000	1.000000
Si 212.412 {459}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.004249	0.436671	0.000000	1.000000
Sn 189.989 {477}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.000383	0.354320	0.000000	1.000000
Sr 407.771 { 83}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.005564	16.302654	0.000000	1.000000
Ti 334.941 {101}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.001884	1.979176	0.000000	1.000000
Tl 190.856 {477}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.001536	0.257464	0.000000	1.000000
V 292.402 {115}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.000536	0.678387	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.000687	2.053794	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	1.000000	0.000002	0.000340	0.001133	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999828	0.006769	0.008209	0.027363	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999909	0.000176	0.000878	0.002926	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999933	0.008404	0.000262	0.000873	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999974	0.006358	0.000069	0.000229	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999883	0.005899	0.003617	0.012058	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999961	0.003189	0.000051	0.000168	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999970	0.001582	0.000100	0.000333	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999929	0.000485	0.000247	0.000822	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999988	0.000365	0.000203	0.000676	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999844	0.004451	0.002837	0.009457	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999821	0.002978	0.032864	0.109545	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999834	0.000722	0.023034	0.076781	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999713	0.005128	0.000041	0.000137	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999983	0.000476	0.000141	0.000470	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999842	0.011886	0.008088	0.026960	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999952	0.001186	0.000172	0.000575	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999872	0.001017	0.000615	0.002049	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999949	0.000195	0.000951	0.003169	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999955	0.000087	0.001801	0.006004	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.979974	0.007146	0.000374	0.001246	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999814	0.000550	0.000340	0.001135	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999990	0.005980	0.000092	0.000308	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999901	0.002245	0.000095	0.000318	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999974	0.000151	0.001085	0.003617	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999981	0.000330	0.000232	0.000773	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999965	0.001393	0.000081	0.000271	OK	1.000000	0.000000	1	0

Sample Name: Blank Acquired: 4/22/2016 10:03:42 Type: Cal
 Method: 60102007_041712(v83) Mode: IR Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.008	-0.069	-0.003	.0127	.0008	.0040	.0000	.0003	.0002
Stddev	.0003	.0014	.0001	.0011	.0006	.0005	.0002	.0002	.0001
%RSD	37.85	20.27	42.05	8.427	74.01	12.57	583.3	71.92	47.86
#1	-0.009	-0.070	-0.003	.0140	.0008	.0042	.0002	.0001	.0001
#2	-0.005	-0.082	-0.005	.0120	.0002	.0034	-0.001	.0003	.0001
#3	-0.011	-0.054	-0.002	.0122	.0013	.0044	.0000	.0005	.0002

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0051	.0019	-0.1000	-0.0001	.0008	.0013	.0051	.0003	-0.0008
Stddev	.0002	.0004	.0034	.0003	.0001	.0003	.0020	.0003	.0002
%RSD	4.597	19.32	33.96	265.8	16.55	20.36	39.37	106.1	22.76
#1	.0049	.0018	-0.132	-0.004	.0009	.0015	.0042	.0003	-0.007
#2	.0054	.0015	-0.064	-0.001	.0008	.0014	.0037	.0006	-0.011
#3	.0050	.0022	-0.103	.0002	.0006	.0010	.0074	.0000	-0.008

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0003	.0001	.0058	.0003	.0044	.0020	-0.032	-0.001	.0025
Stddev	.0001	.0001	.0001	.0001	.0011	.0001	.0001	.0001	.0001
%RSD	16.26	67.00	2.529	50.57	24.06	4.457	1.783	75.25	3.441
#1	.0004	.0001	.0057	.0004	.0050	.0019	-0.032	-0.002	.0024
#2	.0003	.0003	.0060	.0003	.0032	.0020	-0.032	-0.000	.0025
#3	.0003	.0001	.0057	.0001	.0052	.0020	-0.033	-0.001	.0026

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2806.9	6605.6	53493.	5613.1
Stddev	9.8	20.5	239.	32.0
%RSD	.34809	.31092	.44687	.56981
#1	2818.0	6625.5	53668.	5579.8
#2	2802.8	6607.0	53591.	5615.8
#3	2799.8	6584.5	53221.	5643.6

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Sample Name: LowStd Acquired: 4/22/2016 10:07:46 Type: Cal
 Method: 60102007_041712(v83) Mode: IR Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0336	1.372	.1076	6.009	3.711	2.231	2.434	1.188	.1930	.3268
Stddev	.0001	.007	.0008	.002	.012	.008	.002	.001	.0007	.0001
%RSD	.1562	.5095	.7607	.0388	.3324	.3672	.0790	.0967	.3723	.0433
#1	.0336	1.372	.1067	6.009	3.700	2.235	2.436	1.187	.1933	.3270
#2	.0337	1.378	.1078	6.011	3.724	2.237	2.432	1.189	.1922	.3268
#3	.0336	1.365	.1083	6.007	3.710	2.222	2.435	1.187	.1935	.3267

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.701	1.162	.2252	1.415	.6527	3.131	.7831	.5759	.1234	.0763
Stddev	.004	.004	.0015	.002	.0006	.006	.0007	.0016	.0006	.0001
%RSD	.2430	.3150	.6532	.1378	.0943	.1861	.0905	.2729	.4884	.1118
#1	1.698	1.163	.2235	1.417	.6525	3.132	.7823	.5762	.1234	.0763
#2	1.700	1.164	.2262	1.413	.6533	3.137	.7833	.5773	.1229	.0764
#3	1.706	1.157	.2258	1.415	.6521	3.125	.7837	.5742	.1241	.0762

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2026	.2601	7.713	.9480	.2678	.3118	1.484
Stddev	.0004	.0002	.020	.0011	.0010	.0003	.003
%RSD	.1819	.0582	.2626	.1199	.3817	.0896	.1843
#1	.2030	.2600	7.713	.9489	.2667	.3115	1.487
#2	.2023	.2603	7.734	.9483	.2680	.3119	1.483
#3	.2025	.2600	7.693	.9467	.2687	.3120	1.482

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2606.6	6528.3	52020.	5667.7
Stddev	6.5	13.5	208.	30.7
%RSD	.24921	.20754	.39982	.54105
#1	2599.6	6513.1	51910.	5689.7
#2	2607.9	6533.0	52259.	5632.6
#3	2612.4	6538.9	51889.	5680.6

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Sample Name: MidStd Acquired: 4/22/2016 10:11:12 Type: Cal
 Method: 60102007_041712(v83) Mode: IR Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1350	5.870	.4441	24.71	15.46	9.491	9.864	4.779	.7907	1.328
Stddev	.0002	.012	.0006	.03	.04	.009	.013	.005	.0023	.002
%RSD	.1242	.1959	.1431	.1383	.2903	.0909	.1264	.0985	.2873	.1284
#1	.1349	5.857	.4442	24.68	15.41	9.481	9.874	4.781	.7882	1.326
#2	.1350	5.878	.4447	24.71	15.49	9.496	9.867	4.783	.7913	1.330
#3	.1352	5.876	.4435	24.74	15.49	9.495	9.850	4.774	.7926	1.328

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6.323	5.054	.9511	5.719	2.552	13.65	3.116	2.428	.5068	.3124
Stddev	.026	.014	.0013	.005	.003	.04	.007	.003	.0006	.0003
%RSD	.4063	.2717	.1383	.0882	.1115	.2843	.2155	.1240	.1178	.1012
#1	6.294	5.039	.9499	5.713	2.550	13.61	3.121	2.431	.5065	.3123
#2	6.331	5.057	.9509	5.720	2.555	13.66	3.118	2.425	.5075	.3127
#3	6.344	5.067	.9525	5.723	2.551	13.68	3.108	2.429	.5065	.3121

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.6604	.9931	31.12	3.764	1.118	1.230	6.003
Stddev	.0002	.0027	.07	.001	.001	.002	.013
%RSD	.0272	.2747	.2105	.0290	.0497	.1539	.2100
#1	.6605	.9953	31.05	3.763	1.118	1.227	6.014
#2	.6605	.9939	31.14	3.765	1.119	1.231	6.006
#3	.6602	.9900	31.18	3.763	1.118	1.231	5.989

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2396.0	6363.9	50491.	5638.5
Stddev	4.9	20.3	196.	34.5
%RSD	.20575	.31866	.38850	.61201
#1	2392.7	6354.4	50649.	5678.0
#2	2393.7	6350.2	50553.	5623.7
#3	2401.7	6387.2	50272.	5613.9

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Sample Name: HighStd Acquired: 4/22/2016 10:15:02 Type: Cal
 Method: 60102007_041712(v83) Mode: IR Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2679	11.73	.8855	48.90	30.59	18.69	19.22	9.343	1.549	2.630
Stddev	.0008	.03	.0018	.09	.09	.07	.02	.011	.004	.002
%RSD	.2899	.2847	.2070	.1910	.2979	.3527	.0998	.1154	.2852	.0839
#1	.2688	11.69	.8837	48.81	30.56	18.64	19.22	9.340	1.553	2.630
#2	.2674	11.73	.8874	48.90	30.53	18.67	19.24	9.354	1.550	2.632
#3	.2676	11.76	.8853	49.00	30.70	18.76	19.20	9.333	1.544	2.628

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	12.63	10.02	1.853	10.91	5.074	27.09	6.082	4.876	1.008	.6190
Stddev	.03	.03	.009	.07	.008	.09	.006	.013	.002	.0009
%RSD	.2060	.2870	.5042	.6294	.1500	.3339	.1056	.2584	.1501	.1495
#1	12.62	9.998	1.845	10.99	5.069	27.09	6.080	4.884	1.007	.6195
#2	12.62	10.01	1.850	10.88	5.083	27.00	6.089	4.884	1.009	.6196
#3	12.66	10.05	1.863	10.87	5.070	27.18	6.077	4.862	1.007	.6180

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.104	1.927	61.66	7.292	2.205	2.436	11.72
Stddev	.003						

Sample Name: HSTD Acquired: 4/22/2016 10:19:35 Type: QC
Method: 60102007_041712(v83) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 11 columns: Elem, Units, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 8 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Sample Name: HSTD Acquired: 4/22/2016 10:19:35 Type: QC
Method: 60102007_041712(v83) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 8 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Sample Name: ICV Acquired: 4/22/2016 10:27:32 Type: QC
Method: 60102007_041712(v83) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 11 columns: Elem, Units, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 8 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Sample Name: ICV Acquired: 4/22/2016 10:27:32 Type: QC
Method: 60102007_041712(v83) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 8 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Sample Name: ICB Acquired: 4/22/2016 10:33:49 Type: QC
 Method: 60102007_041712(v83) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.004	.0002	.0002	.0002	-0.020	.0000	.0000	-0.001	.0003
Stddev	.0005	.0058	.0007	.0002	.0000	.0030	.000	.000	.0002	.0002
%RSD	418.5	1443.	409.8	85.54	14.59	150.5	103.1	777.4	302.0	88.20
#1	-0.006	-0.068	.0009	.0000	.0002	-0.030	.0000	.0002	.0002	.0004
#2	.0004	.0012	.0000	.0003	.0002	.0014	-0.001	-0.001	-0.001	.0003
#3	-0.002	.0044	-0.004	.0004	.0002	-0.043	.0000	-0.002	-0.002	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0084	.0319	.0087	.0001	.0006	.0175	-0.001	-0.005	.0001	-0.008
Stddev	.0032	.0210	.0047	.0000	.0001	.0057	.0001	.0002	.0002	.0008
%RSD	38.83	65.89	54.25	46.66	25.23	32.55	198.4	44.42	246.7	101.4
#1	.0054	.0092	.0106	.0001	.0007	.0176	.0000	-0.007	-0.001	-0.014
#2	.0118	.0507	.0121	.0001	.0005	.0117	-0.002	-0.003	.0001	-0.011
#3	.0078	.0358	.0033	.0000	.0004	.0231	.0000	-0.005	.0003	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	.0001	.0002	.0002	.0000	-0.001	.0000
Stddev	.0008	.0003	.0001	.0002	.000	.0002	.000
%RSD	79.43	279.5	41.76	76.53	707.8	308.6	207.2
#1	.0003	.0004	.0002	.0005	.0000	.0002	.0000
#2	.0018	-0.001	.0001	.0002	-0.003	-0.001	-0.001
#3	.0008	.0000	.0003	.0001	.0002	-0.003	.0000

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 4/22/2016 10:33:49 Type: QC
 Method: 60102007_041712(v83) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2808.2	6573.1	53989.	5713.6
Stddev	5.9	6.2	155.	33.0
%RSD	.20835	.09443	.28628	.57757
#1	2814.4	6578.8	53838.	5695.2
#2	2807.6	6566.5	54147.	5751.7
#3	2802.8	6574.0	53982.	5693.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CRIA Acquired: 4/22/2016 10:38:11 Type: QC
 Method: 60102007_041712(v83) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0090	.2094	.0105	.2131	.0050	1.085	.0054	.0557	.0103	.0279
Stddev	.0003	.0117	.0011	.0011	.0001	.010	.0001	.0001	.0004	.0003
%RSD	3.311	5.596	10.44	.5391	1.261	.9557	1.296	.1284	4.136	1.108
#1	.0093	.2048	.0102	.2144	.0050	1.084	.0055	.0556	.0107	.0282
#2	.0089	.2227	.0095	.2128	.0051	1.096	.0054	.0556	.0101	.0279
#3	.0087	.2007	.0117	.2121	.0050	1.076	.0055	.0558	.0099	.0276

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3249	10.49	5.456	.0168	.0519	10.23	.0453	.0048	.0058	.0092
Stddev	.0085	.06	.026	.0001	.0002	.05	.0001	.0005	.0015	.0007
%RSD	2.614	.5828	.4710	.3411	.3867	4.956	.1141	9.483	25.21	7.668
#1	.3345	10.51	5.482	.0167	.0520	10.24	.0453	.0045	.0071	.0084
#2	.3184	10.55	5.431	.0168	.0517	10.27	.0452	.0053	.0061	.0097
#3	.3218	10.43	5.456	.0168	.0520	10.17	.0452	.0046	.0042	.0095

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0105	.0565	.0101	.0102	.0095	.0508	.0239
Stddev	.0006	.0000	.0002	.0000	.0008	.0002	.0001
%RSD	5.777	.0634	1.520	.4083	8.819	.3731	.3136
#1	.0107	.0565	.0100	.0102	.0096	.0509	.0239
#2	.0110	.0565	.0100	.0103	.0102	.0510	.0238
#3	.0098	.0564	.0103	.0102	.0086	.0506	.0238

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/22/2016 11:07:20 Type: QC
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.498	41.26	2.081	2.029	1.987	41.46	2.041	2.047	1.936	1.980
Stddev	.0004	.02	.004	.002	.002	.10	.002	.001	.005	.010
%RSD	.1576	.0432	.1752	.0813	.0779	.2448	.1027	.0682	.2699	.5226
#1	2.495	41.26	2.079	2.027	1.988	41.58	2.040	2.045	1.942	1.970
#2	2.496	41.28	2.079	2.030	1.988	41.43	2.044	2.048	1.931	1.990
#3	2.502	41.25	2.085	2.030	1.985	41.38	2.040	2.046	1.936	1.981

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	38.83	40.35	40.34	2.021	2.038	39.46	2.093	1.961	2.066	2.077
Stddev	.02	.06	.12	.006	.004	.06	.002	.005	.001	.001
%RSD	.0529	.1498	.2876	.3172	.2049	.1527	.0878	.2781	.0288	.0555
#1	38.85	40.37	40.47	2.026	2.033	39.50	2.091	1.961	2.067	2.076
#2	38.84	40.40	40.32	2.014	2.040	39.48	2.095	1.967	2.066	2.078
#3	38.81	40.29	40.24	2.024	2.041	39.39	2.094	1.956	2.066	2.076

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.478	2.144	1.977	1.980	1.979	2.014	2.050
Stddev	.003	.004	.002	.004	.007	.002	.003
%RSD	.1699	.1723	.0971	.1814	.3606	.0854	.1665
#1	1.475	2.140	1.977	1.981	1.974	2.016	2.048
#2	1.480	2.147	1.980	1.976	1.987	2.013	2.054
#3	1.480	2.145	1.976	1.982	1.975	2.014	2.048

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 4/22/2016 11:07:20 Type: QC
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2380.4	6147.4	51332.	5637.0
Stddev	3.5	8.1	256.	52.8
%RSD	.14886	.13149	.49818	.93739
#1	2382.8	6156.2	51169.	5583.1
#2	2376.4	6140.2	51627.	5639.2
#3	2382.1	6145.9	51201.	5688.7

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	38.83	40.35	40.34	2.021	2.038	39.46	2.093	1.961	2.066	2.077
Stddev	.02	.06	.12	.006	.004	.06	.002	.005	.001	.001
%RSD	.0529	.1498	.2876	.3172	.2049	.1527	.0878	.2781	.0288	.0555
#1	38.85	40.37	40.47	2.026	2.033	39.50	2.091	1.961	2.067	2.076
#2	38.84	40.40	40.32	2.014	2.040	39.48	2.095	1.967	2.066	2.078
#3	38.81	40.29	40.24	2.024	2.041	39.39	2.094	1.956	2.066	2.076

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.478	2.144	1.977	1.980	1.979	2.014	2.050
Stddev	.003	.004	.002	.004	.007	.002	.003
%RSD	.1699	.1723	.0971	.1814	.3606	.0854	.1665
#1	1.475	2.140	1.977	1.981	1.974	2.016	2.048
#2	1.480	2.147	1.980	1.976	1.987	2.013	2.054
#3	1.480	2.145	1.976	1.982	1.975	2.014	2.048

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCB Acquired: 4/22/2016 11:16:03 Type: QC
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0190	-0.004	.0001	.0002	.0119	.0000	.0002	-0.002	.0003
Stddev	.0003	.0058	.0002	.0001	.0001	.0037	.0000	.0001	.0001	.0003
%RSD	225.4	30.34	50.50	87.44	46.71	31.03	139.3	29.73	57.48	103.1
#1	-0.003	.0127	-0.002	.0002	.0003	.0159	.0000	.0002	-0.001	.0006
#2	-0.003	.0201	-0.007	.0002	.0003	.0114	.0000	.0002	-0.002	.0001
#3	.0002	.0241	-0.004	.0000	.0001	.0085	.0000	.0001	-0.004	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0108	.0210	.0129	.0000	-0.0003	.0137	.0001	.0001	.0003	-0.0006
Stddev	.0005	.0179	.0081	.0000	.0001	.0040	.0001	.0004	.0006	.0011
%RSD	4.686	85.48	63.07	96.16	49.49	29.28	56.24	777.0	233.6	173.2
#1	.0108	.0405	.0160	.0001	-0.0003	.0143	.0000	.0003	.0001	-0.0008
#2	.0113	.0172	.0189	.0001	-0.0004	.0174	.0001	.0003	-0.0003	.0006
#3	.0103	.0052	.0036	.0000	-0.0001	.0094	.0001	-0.0004	.0009	-0.0017

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-0.0003	.0002	-0.0003	-0.0009	.0000	-0.0001
Stddev	.0003	.0001	.0000	.0000	.0005	.000	.0001
%RSD	203.3	35.24	7.523	11.65	60.50	1213.	101.5
#1	-0.001	-0.002	.0003	-0.0003	-0.0010	.0000	.0000
#2	.0000	-0.0004	.0002	-0.0004	-0.0013	.0001	-0.0001
#3	.0005	-0.0003	.0002	-0.0003	-0.0003	-0.0002	-0.0001

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/22/2016 11:16:03 Type: QC
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2788.1	6427.6	53762.	5723.6
Stddev	5.2	6.2	62.	30.8
%RSD	.18670	.09660	.11529	.53791
#1	2794.0	6434.2	53711.	5689.7
#2	2784.0	6421.9	53745.	5749.8
#3	2786.4	6426.6	53831.	5731.3

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0108	.0210	.0129	.0000	-0.0003	.0137	.0001	.0001	.0003	-0.0006
Stddev	.0005	.0179	.0081	.0000	.0001	.0040	.0001	.0004	.0006	.0011
%RSD	4.686	85.48	63.07	96.16	49.49	29.28	56.24	777.0	233.6	173.2
#1	.0108	.0405	.0160	.0001	-0.0003	.0143	.0000	.0003	.0001	-0.0008
#2	.0113	.0172	.0189	.0001	-0.0004	.0174	.0001	.0003	-0.0003	.0006
#3	.0103	.0052	.0036	.0000	-0.0001	.0094	.0001	-0.0004	.0009	-0.0017

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-0.0003	.0002	-0.0003	-0.0009	.0000	-0.0001
Stddev	.0003	.0001	.0000	.0000	.0005	.000	.0001
%RSD	203.3	35.24	7.523	11.65	60.50	1213.	101.5
#1	-0.001	-0.002	.0003	-0.0003	-0.0010	.0000	.0000
#2	.0000	-0.0004	.0002	-0.0004	-0.0013	.0001	-0.0001
#3	.0005	-0.0003	.0002	-0.0003	-0.0003	-0.0002	-0.0001

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: FA33230-10 Acquired: 4/22/2016 11:20:05 Type: Unk
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0002	15.77	.0080	.1563	.0013	3165.	.0001	.0060	.1175	.2310
Stddev	.0026	.15	.0086	.0016	.0002	47.	.0004	.0013	.0042	.0024
%RSD	1185.	.9268	108.2	.9943	17.73	1.500	384.8	22.03	3.589	1.059
#1	.0012	15.75	.0062	.1578	.0015	3193.	-.0001	.0046	.1126	.2285
#2	.0013	15.63	.0174	.1547	.0013	3110.	.0006	.0061	.1201	.2311
#3	-.0032	15.92	.0004	.1562	.0011	3192.	-.0001	.0073	.1197	.2334
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	28.66	1.862	13.19	.2677	-.0059	9.730	.0417	.2358	.0027	-.0066
Stddev	.06	.234	.31	.0008	.0005	.057	.0010	.0041	.0080	.0158
%RSD	.2055	12.55	2.360	.3173	9.246	.5877	2.445	1.723	300.3	238.1
#1	28.63	2.132	13.55	.2687	-.0065	9.760	.0406	.2363	-.0059	-.0207
#2	28.62	1.731	13.00	.2673	-.0055	9.765	.0427	.2315	.0038	.0104
#3	28.72	1.724	13.01	.2671	-.0058	9.664	.0418	.2395	.0101	-.0095
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	2.590	.0154	10.10	.3587	-.0173	.0894	.5224			
Stddev	.004	.0026	.02	.0014	.0120	.0016	.0004			
%RSD	.1583	16.99	.1950	.3973	69.28	1.821	.0708			
#1	2.594	.0152	10.08	.3603	-.0078	.0898	.5219			
#2	2.586	.0182	10.11	.3583	-.0133	.0876	.5226			
#3	2.590	.0129	10.11	.3576	-.0308	.0908	.5225			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2426.8	6222.1	51101.	5812.3						
Stddev	7.2	7.9	108.	48.4						
%RSD	.29635	.12772	.21118	.83195						
#1	2435.0	6228.2	51086.	5834.2						
#2	2421.6	6225.0	51216.	5845.9						
#3	2423.8	6213.1	51002.	5756.9						

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Sample Name: MP30262-D1 Acquired: 4/22/2016 11:24:18 Type: Unk
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0013	31.54	.0211	.2292	.0031	3232.	-.0007	.0108	.1496	.3566
Stddev	.0028	.07	.0075	.0021	.0007	35.	.0006	.0013	.0014	.0008
%RSD	210.8	.2363	35.46	.9195	21.75	1.096	81.47	12.07	.9074	.2376
#1	-.0009	31.61	.0254	.2269	.0024	3194.	-.0001	.0111	.1511	.3566
#2	-.0013	31.46	.0254	.2300	.0038	3264.	-.0012	.0120	.1492	.3574
#3	-.0043	31.54	.0125	.2309	.0031	3239.	-.0009	.0094	.1484	.3557
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	50.37	2.197	16.48	.4616	-.0039	10.41	.0517	.3507	-.0036	-.0083
Stddev	.23	.089	.14	.0006	.0010	.04	.0027	.0029	.0050	.0147
%RSD	.4574	4.042	.8417	.1214	25.91	.3739	5.150	.8207	139.2	176.9
#1	50.25	2.094	16.51	.4621	-.0028	10.45	.0541	.3528	.0017	.0044
#2	50.63	2.242	16.61	.4617	-.0048	10.41	.0489	.3475	-.0081	-.0049
#3	50.22	2.254	16.33	.4610	-.0040	10.38	.0520	.3519	-.0043	-.0244
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	2.983	.0130	10.17	1.144	-.0059	.1171	.9861			
Stddev	.004	.0029	.04	.003	.0034	.0022	.0028			
%RSD	.1447	22.20	.3561	.2583	58.44	1.895	.2824			
#1	2.979	.0107	10.21	1.142	-.0096	.1157	.9888			
#2	2.983	.0121	10.16	1.148	-.0028	.1196	.9832			
#3	2.988	.0163	10.14	1.143	-.0052	.1159	.9864			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2413.3	6222.2	50844.	5680.9						
Stddev	2.6	8.0	109.	50.1						
%RSD	.10922	.12875	.21447	.88136						
#1	2410.8	6219.6	50910.	5723.8						
#2	2416.1	6231.2	50903.	5625.9						
#3	2413.0	6215.9	50718.	5693.1						

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7.4
7

Sample Name: MP30262-S1 Acquired: 4/22/2016 11:28:29 Type: Unk
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0514	47.26	2.251	2.374	.0553	3501.	.0539	.5480	.3303	.5213
Stddev	.0034	.32	.012	.005	.0008	47.	.0011	.0009	.0031	.0017
%RSD	6.603	67.19	.5248	2.270	1.367	1.341	2.067	1.723	.9431	.3228
#1	.0534	47.62	2.245	2.377	.0544	3545.	.0529	.5487	.3322	.5193
#2	.0474	47.14	2.264	2.368	.0555	3452.	.0537	.5469	.3321	.5222
#3	.0533	47.02	2.242	2.377	.0559	3505.	.0551	.5483	.3267	.5223
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	61.84	29.08	39.74	.8648	.5123	37.51	.6018	.8132	.3081	2.242
Stddev	.04	.09	.08	.0026	.0008	.15	.0026	.0066	.0018	.005
%RSD	.0626	.3169	.2105	.2996	.1612	.3970	.4337	.8079	.5960	.2312
#1	61.86	28.99	39.65	.8652	.5113	37.54	.6042	.8207	.3080	2.236
#2	61.86	29.08	39.80	.8672	.5127	37.35	.6023	.8094	.3064	2.246
#3	61.79	29.17	39.79	.8621	.5128	37.65	.5990	.8094	.3100	2.244
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	3.626	.5666	10.85	.9429	2.084	.6232	1.110			
Stddev	.001	.0012	.02	.0020	.009	.0029	.001			
%RSD	.0352	.2172	.1795	.2093	4.334	4.730	.1144			
#1	3.628	.5672	10.87	.9423	2.074	.6255	1.111			
#2	3.625	.5674	10.84	.9451	2.092	.6199	1.110			
#3	3.626	.5651	10.84	.9413	2.086	.6240	1.108			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2402.1	6222.7	51181.	5747.5						
Stddev	3.5	2.9	258.	37.6						
%RSD	.14564	.04586	.50383	.65491						
#1	2406.1	6226.0	51359.	5714.6						
#2	2400.7	6221.4	50885.	5788.5						
#3	2399.5	6220.7	51299.	5739.4						

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Sample Name: MP30262-S2 Acquired: 4/22/2016 11:32:39 Type: Unk
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0522	56.64	2.231	2.375	.0555	3301.	.0539	.5469	.3779	.5943
Stddev	.0011	.57	.008	.049	.0005	71.	.0003	.0014	.0063	.0017
%RSD	2.160	1.004	.3425	.6675	.9103	2.161	.5458	2.563	1.675	.2796
#1	.0509	56.00	2.228	2.328	.0560	3221.	.0541	.5471	.3825	.5931
#2	.0525	57.08	2.225	2.371	.0550	3357.	.0536	.5454	.3707	.5937
#3	.0531	56.84	2.239	2.375	.0554	3326.	.0541	.5481	.3805	.5962
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	71.53	28.97	40.18	.9472	.5057	37.68	.6176	.8142	.2571	2.216
Stddev	.68	.42	.63	.0031	.0011	.34	.0009	.0025	.0146	.020
%RSD	.9545	1.434	1.577	.3254	.2111	.9053	1.461	.3082	5.664	.8851
#1	70.76	28.49	39.49	.9455	.5045	37.33	.6166	.8165	.2411	2.236
#2	72.06	29.19	40.73	.9453	.5066	38.01	.6179	.8115	.2697	2.197
#3	71.77	29.23	40.33	.9507	.5059	37.69	.6183	.8146	.2605	2.214
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)</							

Sample Name: MP30262-PS1 Acquired: 4/22/2016 11:36:48 Type: Unk
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0479	19.16	.1262	.4374	.0537	3328.	.0532	.0596	.1700	.3455
Stddev	.0031	.19	.0034	.0016	.0010	47.	.0003	.0013	.0034	.0034
%RSD	6.511	.9873	2.700	3.660	1.829	1.411	4.998	2.198	2.027	9.980
#1	.0496	19.35	.1289	.4392	.0526	3316.	.0533	.0583	.1735	.3417
#2	.0443	19.17	.1224	.4371	.0540	3289.	.0529	.0609	.1666	.3485
#3	.0499	18.97	.1274	.4360	.0544	3380.	.0534	.0596	.1699	.3464

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	32.80	12.17	18.88	3.284	0.992	19.86	.1511	.2985	.1092	.0985
Stddev	.08	.15	.04	.0005	.0025	.10	.0024	.0018	.0014	.0078
%RSD	.2348	1.227	.2037	.1474	2.499	.5141	1.555	.5968	1.265	7.921
#1	32.72	12.16	18.92	.3281	.1017	19.75	.1490	.2977	.1094	.0942
#2	32.84	12.03	18.89	.3282	.0992	19.95	.1536	.2974	.1077	.0938
#3	32.86	12.33	18.84	.3289	.0967	19.88	.1508	.3006	.1105	.1075

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	2.698	.0682	10.51	.4739	.0881	.1465	.7387
Stddev	.005	.0015	.02	.0016	.0047	.0011	.0008
%RSD	.1816	2.201	.2124	.3454	5.338	.7797	.1040
#1	2.700	.0683	10.53	.4726	.0890	.1456	.7379
#2	2.701	.0697	10.53	.4733	.0830	.1460	.7393
#3	2.692	.0667	10.49	.4757	.0923	.1478	.7389

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2409.1	6152.9	5075.7	5713.6
Stddev	7.4	10.9	135.	26.1
%RSD	.30789	.17786	.26606	.45707
#1	2415.9	6165.5	50820.	5735.5
#2	2410.3	6145.7	50602.	5720.5
#3	2401.2	6147.5	50850.	5684.7

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Sample Name: MP30262-SD1 Acquired: 4/22/2016 11:41:00 Type: Unk
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 50.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0097	14.88	.0035	.1556	-.0015	3146.	-.0066	.0004	.1061	.2234
Stddev	.0090	.18	.0184	.0042	.0013	10.	.0037	.0065	.0076	.0102
%RSD	92.07	1.179	519.3	2.704	81.69	3192	55.28	1826.	7.176	4.552
#1	-.0127	14.86	-.0082	.1556	-.0027	3157.	-.0108	.0056	.1099	.2302
#2	-.0169	14.71	-.0059	.1514	-.0002	3145.	-.0048	-.0070	.1110	.2118
#3	.0003	15.06	.0247	.1598	-.0018	3137.	-.0043	.0025	.0973	.2283

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	27.69	3.663	13.06	.2519	-.0612	9.573	.0256	.1707	-.0103	-.0529
Stddev	.03	.514	.71	.0022	.0025	.432	.0119	.0297	.0389	.0490
%RSD	.1017	14.04	5.457	.8721	4.078	4.516	46.63	17.41	377.3	92.67
#1	27.67	3.466	12.69	.2497	-.0615	9.081	.0126	.1955	-.0418	-.0335
#2	27.72	4.247	12.62	.2518	-.0635	9.744	.0360	.1377	-.0223	-.1086
#3	27.68	3.277	13.89	.2541	-.0585	9.893	.0283	.1790	.0332	-.0165

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	3.936	-.0118	9.434	.4762	-.0001	.0840	.8314
Stddev	.122	.0129	.026	.0087	.0308	.0060	.0016
%RSD	3.095	109.2	.2805	1.831	21380.	7.187	.1918
#1	3.871	.0029	9.459	.4708	.0186	.0778	.8312
#2	3.860	-.0170	9.437	.4863	-.0357	.0843	.8299
#3	4.076	-.0212	9.406	.4717	.0166	.0898	.8331

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2620.5	6336.9	5185.2	5691.3
Stddev	5.4	9	265.	43.4
%RSD	.20794	.01447	.51072	.76192
#1	2626.3	6336.0	51580.	5642.7
#2	2619.8	6337.9	52109.	5705.1
#3	2615.4	6337.0	51868.	5726.1

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7.4
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Sample Name: FA33227-2 Acquired: 4/22/2016 11:45:06 Type: Unk
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0006	16.87	.0051	.2666	.0010	713.6	.0015	.0042	.0735	.0350
Stddev	.0007	.02	.0009	.0012	.0001	11.6	.0000	.0002	.0006	.0004
%RSD	122.3	.0917	16.80	.4561	11.02	1.619	2.203	4.147	.8493	1.279
#1	-.0001	16.89	.0059	.2666	.0011	712.1	.0015	.0040	.0740	.0350
#2	.0014	16.86	.0042	.2654	.0010	702.9	.0015	.0043	.0728	.0345
#3	.0005	16.86	.0051	.2678	.0009	725.9	.0015	.0044	.0735	.0354

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	11.30	1.031	6.017	1.822	-.0024	.8715	.0181	.0570	.0015	-.0026
Stddev	.03	.018	.041	.006	.0004	.0094	.0003	.0006	.0008	.0022
%RSD	.2405	1.780	.6872	.3161	14.87	1.082	1.455	.9830	50.80	85.11
#1	11.30	1.018	6.005	1.826	-.0023	.8718	.0178	.0573	.0008	-.0007
#2	11.28	1.023	5.983	1.815	-.0021	.8808	.0183	.0564	.0015	-.0021
#3	11.33	1.052	6.063	1.824	-.0028	.8620	.0180	.0574	.0023	-.0049

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	2.083	.0130	.7975	.1966	-.0048	.0540	.0988
Stddev	.002	.0002	.0005	.0007	.0004	.0004	.0002
%RSD	.0801	1.483	.0653	.3686	7.833	6.637	.1569
#1	2.082	.0132	.7980	.1968	-.0044	.0544	.0989
#2	2.082	.0131	.7970	.1958	-.0051	.0538	.0987
#3	2.085	.0128	.7973	.1972	-.0048	.0538	.0989

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2444.7	6665.5	5363.3	6188.1
Stddev	7.4	16.2	159.	34.0
%RSD	.30180	.24331	.29728	.54994
#1	2449.6	6669.1	5354.7	6207.7
#2	2448.4	6679.6	5381.7	6207.8
#3	2436.2	6647.8	5353.5	6148.8

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Sample Name: FA33227-3 Acquired: 4/22/2016 11:49:17 Type: Unk
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0002	235.4	.0942	1.772	.0115	F5592.	.0073	.0530	1.116	
Stddev	.0022	1.8	.0060	.010	.0009	49.	.0004	.0007	.006	
%RSD	121.3	.7529	6.396	.5496	7.473	.8806	5.536	1.312	.5006	
#1	.0000	237.4	.0998	1.783	.0114	5614.	.0068	.0530	1.110	
#2	-.0019	234.1	.0878	1.764	.0124	5536.	.0076	.0524	1.121	
#3	-.0025	234.7	.0951	1.769	.0107	5627.	.0073	.0538	1.117	

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0858	147.1	5.115	41.55	3.329	-.0139	4.588	.2200	.1347
Stddev	.0009	.4	.154	.17	.001	.0004	.089	.0005	.0059
%RSD	1.076	.2461	3.003	.4018	.0383	2.982	1.938	.2438	4.414
#1	.0856	147.3	4.939	41.74	3.328	-.0143	4.681	.2196	.1355
#2	.0850	146.7	5.220	41.43	3.				

Sample Name: FA33227-5 Acquired: 4/22/2016 11:53:28 Type: Unk
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0020	42.42	.0577	F11.00	.0017	336.4	.0372	.0555	.3491
Stddev	.0009	.14	.0007	.18	.0001	6.0	.0002	.0001	.0008
%RSD	47.19	.3296	1.236	1.634	3.686	1.784	.5781	.2375	.2329
#1	.0012	42.48	.0581	11.11	.0016	330.9	.0370	.0553	.3499
#2	.0030	42.27	.0580	10.80	.0017	335.5	.0374	.0555	.3491
#3	.0017	42.53	.0568	11.11	.0017	342.8	.0372	.0556	.3483
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.604	279.1	2.968	12.17	4.181	.0468	6.658	.9815	F12.77
Stddev	.002	1.0	.059	.04	.009	.0003	.0099	.0012	.03
%RSD	.0489	.3515	2.000	.3049	.2185	.6366	1.491	.1255	.2393
#1	3.606	279.7	3.020	12.22	4.192	.0471	6.607	.9801	12.81
#2	3.605	278.0	2.903	12.16	4.176	.0468	6.594	.9825	12.75
#3	3.602	279.7	2.982	12.15	4.176	.0465	6.772	.9818	12.76
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0135	-.0009	3.460	.1976	.7221	.7611	.0017	.0875	4.487
Stddev	.0019	.0016	.003	.0005	.0016	.0016	.0027	.0013	.004
%RSD	14.36	.0018	.0941	.2580	.2237	.2089	157.6	1.430	0.788
#1	.0156	-.0018	3.457	.1973	.7227	.7629	-.0004	.0885	4.483
#2	.0133	.0010	3.461	.1982	.7203	.7602	.0048	.0879	4.490
#3	.0117	-.0018	3.463	.1973	.7234	.7601	.0008	.0861	4.488
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2595.8	6713.7	55545	6223.6					
Stddev	6.1	5.4	78	57.1					
%RSD	.23434	.08096	.14069	.91706					
#1	2589.1	6719.8	55472	6209.0					
#2	2600.9	6711.8	55628	6286.5					
#3	2597.4	6709.5	55536	6175.2					

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Sample Name: CCV Acquired: 4/22/2016 12:01:42 Type: QC
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2509	40.45	2.061	2.006	1.944	40.51	2.028	2.032	1.930	1.967
Stddev	.0008	.06	.001	.003	.005	.08	.001	.001	.005	.004
%RSD	.3170	.1438	.0375	.1485	.2537	.2049	.0484	.0328	.2656	.2131
#1	2511	40.42	2.062	2.004	1.942	40.48	2.029	2.032	1.929	1.963
#2	2517	40.51	2.061	2.010	1.950	40.61	2.027	2.031	1.925	1.971
#3	2501	40.41	2.061	2.005	1.941	40.45	2.028	2.032	1.935	1.968
Check ?	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass
Value										
Range										
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	38.49	39.70	40.21	2.029	2.025	38.59	2.072	1.972	2.047	2.059
Stddev	.13	.12	.05	.002	.004	.11	.002	.006	.006	.003
%RSD	.3255	.2927	.1237	.1167	.1993	.2775	.1020	.2837	.2918	.1384
#1	38.37	39.67	40.15	2.029	2.021	38.55	2.074	1.970	2.040	2.056
#2	38.62	39.83	40.25	2.026	2.024	38.71	2.070	1.968	2.051	2.062
#3	38.48	39.60	40.21	2.031	2.029	38.51	2.071	1.979	2.050	2.059
Check ?	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass
Value										
Range										
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm			
Avg	1.460	2.106	1.937	1.990	1.996	2.005	2.032			
Stddev	.001	.005	.005	.004	.005	.001	.004			
%RSD	.0831	.2186	.2759	.1819	.2690	.0411	.1840			
#1	1.460	2.112	1.935	1.988	1.993	2.005	2.036			
#2	1.459	2.103	1.943	1.989	1.994	2.004	2.030			
#3	1.462	2.104	1.933	1.994	2.002	2.006	2.029			
Check ?	None	Chk	Pass	Chk	Pass	Chk	Pass			
Value										
Range										

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Sample Name: MP30263-S1 Acquired: 4/22/2016 11:57:46 Type: Unk
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0535	572.6	2.053	4.005	.0635	76.48	.0531	.5938	8656	1.647
Stddev	.0018	1.5	.005	.014	.0005	.26	.0002	.0010	.0014	.002
%RSD	3.334	.2656	.2622	.3571	.7508	.3336	.3995	.1700	.1661	.0981
#1	.0516	573.3	2.049	4.012	.0640	76.75	.0529	.5938	8666	1.645
#2	.0536	573.6	2.051	4.015	.0630	76.44	.0533	.5928	8662	1.649
#3	.0552	570.8	2.059	3.989	.0636	76.24	.0533	.5948	8639	1.647
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	361.2	51.19	87.06	5.159	.4461	27.74	1.102	6.404	.1337	1.969
Stddev	.6	.19	.40	.006	.0004	.09	.002	.013	.0058	.008
%RSD	.1667	.3763	.4585	.1187	.0978	.3353	.1346	.2098	4.312	.4191
#1	361.9	51.39	86.93	5.165	.4456	27.83	1.101	6.413	.1338	1.978
#2	360.8	51.17	86.74	5.158	.4463	27.75	1.100	6.388	.1278	1.961
#3	360.9	51.00	87.51	5.153	.4464	27.64	1.103	6.409	.1394	1.969
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	7.232	.5451	1.177	13.42	1.986	1.134	1.379			
Stddev	.005	.0004	.007	.01	.008	.002	.001			
%RSD	.0756	.0753	.6004	.1117	.4025	.2083	.0610			
#1	7.230	.5452	1.181	13.43	1.992	1.136	1.380			
#2	7.228	.5446	1.182	13.42	1.988	1.132	1.378			
#3	7.239	.5454	1.169	13.40	1.977	1.135	1.380			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2598.2	6851.3	54963	6097.4						
Stddev	4.2	3.2	95	34.5						
%RSD	.16126	.04609	.17358	.56513						
#1	2593.6	6847.8	54859	6073.2						
#2	2601.7	6851.9	55046	6136.9						
#3	2599.5	6854.1	54985	6082.2						

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Sample Name: CCV Acquired: 4/22/2016 12:01:42 Type: QC
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2375.0	6201.8	51078	5681.4
Stddev	4.8	12.8	219	41.2
%RSD	.20228	.20631	.42853	.72553
#1	2374.4	6187.6	50947	5720.9
#2	2380.0	6205.4	51330	5638.6
#3	2370.5	6212.5	50955	5684.7

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Sample Name: CCB Acquired: 4/22/2016 12:05:37 Type: QC
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.054	0.004	0.006	0.002	0.033	0.001	0.001	-0.002
Stddev	0.004	0.152	0.001	0.001	0.001	0.026	0.000	0.000	0.002
%RSD	167.2	280.9	25.58	11.16	72.91	79.37	50.44	49.22	155.4
#1	-0.002	0.001	0.003	0.005	0.000	0.003	0.001	0.001	0.000
#2	-0.006	-0.064	0.004	0.006	0.002	0.053	0.000	0.001	-0.004
#3	0.001	0.225	0.004	0.006	0.002	0.042	0.001	0.000	0.000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.002	0.201	0.358	0.020	0.001	F.0010	0.289	0.001	-0.005
Stddev	0.001	0.012	0.273	0.029	0.000	0.005	0.017	0.000	0.007
%RSD	72.99	6.094	76.12	144.9	34.72	52.74	6.029	36.47	153.3
#1	0.001	0.215	0.558	0.004	0.002	0.016	0.269	0.001	0.001
#2	0.001	0.191	0.048	0.053	0.001	0.009	0.301	0.001	-0.013
#3	0.003	0.197	0.469	0.003	0.001	0.006	0.296	0.001	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.002	0.000	0.006	-0.001	0.002	0.005	-0.004	-0.001	-0.001
Stddev	0.006	0.001	0.003	0.002	0.001	0.001	0.001	0.003	0.001
%RSD	258.4	2088.	59.66	193.7	33.71	14.94	14.93	435.9	89.21
#1	0.008	0.005	0.009	-0.003	0.001	0.005	-0.003	0.003	0.000
#2	-0.004	-0.008	0.005	0.000	0.003	0.004	-0.004	-0.004	-0.001
#3	0.003	0.002	0.003	0.000	0.002	0.004	-0.005	-0.001	-0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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7.4
7

Sample Name: CCB Acquired: 4/22/2016 12:05:37 Type: QC
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2839.7	6662.3	5445.2	5850.7
Stddev	2.5	5.4	269.	39.3
%RSD	0.08725	0.08175	4.9322	0.67193
#1	2841.9	6668.4	5443.6	5839.0
#2	2840.2	6658.0	5472.9	5894.5
#3	2837.0	6660.5	5419.2	5818.6

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Sample Name: MP30263-S2 Acquired: 4/22/2016 12:09:48 Type: Ink
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.516	563.2	1.970	3.952	0.629	73.97	0.504	5.787	9.030	1.680
Stddev	0.011	1.7	0.03	0.10	0.004	0.12	0.002	0.007	0.056	0.01
%RSD	2.088	3.061	1.579	2.435	6.577	1.651	0.4441	1.142	6.216	0.790
#1	0.507	564.7	1.969	3.959	0.630	74.05	0.505	5.793	9.055	1.681
#2	0.512	563.6	1.973	3.957	0.624	74.03	0.501	5.780	8.966	1.679
#3	0.528	561.3	1.967	3.941	0.633	73.83	0.505	5.788	9.070	1.680

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	368.6	50.71	88.28	5.260	4.333	27.48	1.077	6.928	1.267	1.886
Stddev	6	25	26	0.20	0.006	0.16	0.01	0.11	0.048	0.11
%RSD	1.644	49.16	28.98	3.705	1.319	5.824	0.796	1.591	3.758	5.837
#1	368.6	50.82	88.12	5.268	4.326	27.55	1.078	6.929	1.227	1.874
#2	369.3	50.89	88.15	5.238	4.338	27.60	1.078	6.916	1.320	1.892
#3	368.1	50.43	88.58	5.274	4.334	27.30	1.077	6.938	1.254	1.893

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	6.806	5.101	1.179	13.77	1.968	1.123	1.379
Stddev	0.06	0.030	0.02	0.05	0.005	0.01	0.02
%RSD	0.957	5.853	2.008	3.831	2.696	0.937	1.281
#1	6.808	5.088	1.180	13.80	1.968	1.124	1.381
#2	6.799	5.135	1.180	13.71	1.974	1.122	1.378
#3	6.812	5.080	1.176	13.80	1.963	1.123	1.378

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2603.9	6987.2	5451.5	6092.0
Stddev	1.9	7.6	165.	29.7
%RSD	0.07414	0.10904	3.0234	0.48773
#1	2605.8	6993.5	5450.4	6063.5
#2	2604.1	6978.8	5468.5	6089.5
#3	2602.0	6989.4	5435.6	6122.8

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Sample Name: CCV Acquired: 4/22/2016 12:56:38 Type: QC
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2475	39.97	2.001	1.990	1.976	40.11	2.012	2.010	1.971	1.969
Stddev	0.004	0.29	0.04	0.07	0.009	0.24	0.04	0.005	0.004	0.003
%RSD	0.1591	0.7137	0.1797	0.3742	0.4654	6.014	1.785	2.267	0.1763	0.1555
#1	2473	39.91	1.997	1.987	1.974	40.04	2.008	2.006	1.970	1.968
#2	2480	39.71	2.004	1.985	1.967	39.91	2.011	2.010	1.968	1.973
#3	2473	40.27	2.002	1.999	1.986	40.38	2.016	2.015	1.975	1.967

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	38.58	39.91	39.79	2.018	1.991	39.55	2.024	1.971	1.996	1.996
Stddev	0.12	0.14	0.10	0.04	0.008	0.26	0.003	0.007	0.005	0.003
%RSD	0.3126	0.3634	0.2628	0.1883	0.4201	0.6621	0.1595	0.3396	0.2558	0.1442
#1	38.54	39.83	39.79	2.014	1.982	39.53	2.021	1.964	1.991	1.994
#2	38.49	39.81	39.68	2.017	1.992	39.30	2.024	1.976	2.001	1.996
#3	38.72	40.07	39.89	2.021	1.999	39.83	2.027	1.974	1.996	1.999

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.428	2.034	1.977	1.992	1.993	1.981	2.012
Stddev	0.002	0.005	0.010	0.01	0.007	0.005	0.003
%RSD	0.1416	0.2608	0.5071	0.0537	0.3431	0.2533	0.1697
#1	1.426	2.029	1.976	1.991	1.985	1.977	2.010
#2	1.429	2.032	1.968	1.993	1.997	1.979	2.011
#3	1.430	2.039	1.988	1.993	1.996	1.986	2.016

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: CCV Acquired: 4/22/2016 12:56:38 Type: QC
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2409.1	6359.2	5140.8	5650.9
Stddev	7.4	22.5	252.	53.2
%RSD	.30533	.35332	.49066	.94077
#1	2416.8	6377.4	51695.	5649.5
#2	2408.3	6366.1	51303.	5704.8
#3	2402.2	6334.1	51225.	5598.5

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Sample Name: CCB Acquired: 4/22/2016 13:00:34 Type: QC
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	.0045	.0004	.0005	.0004	.0051	.0001	.0002	.0003
Stddev	.0004	.0065	.0005	.0001	.0002	.0011	.0000	.0000	.0001
%RSD	117.5	142.2	116.9	16.38	44.35	21.27	12.57	10.51	51.73
#1	.0000	.0023	-.0001	.0006	.0005	.0044	.0001	.0002	.0003
#2	-.0003	.0118	.0009	.0005	.0006	.0045	.0001	.0001	.0004
#3	-.0007	-.0005	.0004	.0004	.0002	.0063	.0001	.0002	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0247	.0643	.0395	.0002	F .0016	.0458	.0001	-.0005
Stddev	.0002	.0050	.0079	.0115	.0001	.0006	.0058	.0002	.0006
%RSD	489.7	20.20	12.30	29.09	44.27	36.91	12.73	146.9	130.8
#1	.0003	.0304	.0731	.0494	.0002	.0022	.0506	.0000	-.0008
#2	-.0001	.0220	.0621	.0422	.0002	.0015	.0473	.0001	.0002
#3	-.0001	.0216	.0577	.0269	.0001	.0010	.0393	.0003	-.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-.0004	.0025	.0000	.0004	.0006	-.0004	.0001	.0001
Stddev	.0010	.0010	.0002	.0000	.0000	.0002	.0004	.0001	.0003
%RSD	721.3	272.6	8.733	2282.	8.334	38.72	100.8	147.5	214.0
#1	.0004	.0008	.0023	.0002	.0004	.0009	-.0007	.0000	.0004
#2	.0010	-.0008	.0026	.0001	.0004	.0006	.0000	.0001	.0000
#3	-.0010	-.0010	.0027	-.0003	.0004	.0004	-.0005	.0002	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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Sample Name: CCB Acquired: 4/22/2016 13:00:34 Type: QC
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2766.1	6488.9	52868.	5611.3
Stddev	3.4	10.5	234.	28.4
%RSD	.12284	.16212	.44232	.50578
#1	2766.5	6496.3	53061.	5635.2
#2	2762.6	6493.5	52608.	5618.8
#3	2769.4	6476.8	52936.	5580.0

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Sample Name: MP30268-MB1 Acquired: 4/22/2016 13:38:44 Type: QC
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	-.0010	-.0014	-.0001	-.0002	.0189	-.0001	-.0002	.0000	-.0001
Stddev	.0001	.0020	.0001	.0001	.0000	.0009	.0000	.0001	.0000	.0000
%RSD	28.67	212.6	9.353	57.59	19.48	4.839	37.91	23.96	1906.	11.15
#1	-.0005	.0000	-.0015	-.0001	-.0002	.0179	-.0001	-.0003	-.0002	-.0001
#2	-.0003	.0004	-.0013	-.0002	-.0002	.0195	-.0002	-.0003	.0001	-.0001
#3	-.0005	-.0033	-.0015	-.0001	-.0001	.0194	-.0001	-.0002	.0000	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.2605	.0171	.0000	-.0008	1.059	-.0001	-.0006	.0006	.0004
Stddev	.0009	.0228	.0022	.0000	.0001	.033	.0001	.0007	.0003	.0008
%RSD	134.1	8.766	12.62	28.84	9.593	3.093	111.7	122.3	52.76	224.0
#1	.0017	.2801	.0183	-.0001	-.0008	1.092	-.0001	.0002	.0007	.0007
#2	.0000	.2660	.0146	.0000	-.0008	1.057	-.0001	-.0010	.0003	.0010
#3	.0003	.2354	.0184	.0000	-.0009	1.027	.0000	-.0010	.0009	-.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0096	.0202	.0000	-.0007	-.0025	-.0003	.0009
Stddev	.0001	.0001	.0000	.0001	.0005	.0001	.0000
%RSD	.8414	.5384	199.6	9.366	21.62	49.57	4.391
#1	.0097	.0202	.0000	-.0006	-.0019	-.0002	.0009
#2	.0095	.0201	.0000	-.0007	-.0029	-.0004	.0009
#3	.0097	.0203	-.0001	-.0008	-.0026	-.0002	.0009

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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Sample Name: MP30268-MB1 Acquired: 4/22/2016 13:38:44 Type: QC
Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2879.4	6802.0	55359.	5891.4
Stddev	1.0	5.0	191.	91.7
%RSD	.03582	.07293	.34576	1.5557
#1	2879.5	6798.4	55439.	5994.7
#2	2880.3	6807.6	55498.	5859.9
#3	2878.3	6799.9	55141.	5819.7

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Sample Name: MP30268-B1 Acquired: 4/22/2016 13:42:55 Type: QC
Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0473	26.05	1.924	2.027	.0504	24.71	.0500	.4996	.2014	.2543
Stddev	.0000	.02	.002	.003	.0002	.05	.0001	.0005	.0009	.0005
%RSD	.1021	.0821	.1105	.1241	.4238	.2073	.2340	.1041	.4596	.1880
#1	.0473	26.07	1.926	2.027	.0506	24.75	.0500	.4990	.2024	.2538
#2	.0472	26.03	1.922	2.024	.0502	24.65	.0498	.4998	.2005	.2544
#3	.0472	26.06	1.923	2.029	.0505	24.73	.0501	.5000	.2014	.2548

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.62	24.53	24.22	.5163	.4813	23.31	.5030	.4794	.4834	1.941
Stddev	.02	.06	.06	.0015	.0005	.10	.0004	.0018	.0020	.001
%RSD	.0613	.2260	.2379	.2818	.1077	.4145	.0802	.3807	.4171	.0349
#1	25.62	24.59	24.26	.5167	.4811	23.37	.5026	.4773	.4811	1.941
#2	25.61	24.48	24.25	.5175	.4809	23.20	.5033	.4801	.4844	1.940
#3	25.64	24.51	24.16	.5147	.4819	23.35	.5033	.4807	.4846	1.940

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0082	.5070	.4805	.4911	1.939	.4735	.4959
Stddev	.0013	.0008	.0005	.0013	.001	.0016	.0008
%RSD	15.46	.1620	.1066	.2728	.0709	.3310	.1617
#1	.0097	.5073	.4799	.4907	1.938	.4752	.4952
#2	.0073	.5061	.4806	.4926	1.939	.4731	.4957
#3	.0077	.5076	.4809	.4900	1.940	.4721	.4968

Check ? None Chk Pass None None Chk PassChk PassChk Pass Value Range

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7.4
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Sample Name: MP30268-B1 Acquired: 4/22/2016 13:42:55 Type: QC
Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2599.6	6678.2	52816.	5777.6
Stddev	3.5	5.2	187.	23.9
%RSD	.13554	.07830	.35489	.41333
#1	2602.9	6681.8	52609.	5764.7
#2	2600.0	6680.6	52864.	5762.9
#3	2595.9	6672.2	52975.	5805.2

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Sample Name: CCV Acquired: 4/22/2016 13:46:52 Type: QC
Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2543	40.73	2.017	2.050	2.052	40.83	2.061	2.059	2.075	2.053
Stddev	.0008	.19	.004	.005	.010	.15	.005	.003	.010	.002
%RSD	.3282	.4612	.1739	.2647	.4823	.3727	.2470	.1369	.4941	.0953
#1	.2548	40.53	2.013	2.045	2.042	40.68	2.057	2.056	2.071	2.054
#2	.2534	40.90	2.018	2.056	2.061	40.98	2.060	2.059	2.067	2.051
#3	.2548	40.75	2.020	2.050	2.052	40.83	2.067	2.062	2.087	2.054

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.98	41.22	40.85	2.087	2.032	39.62	2.048	2.027	2.034	2.023
Stddev	.12	.19	.11	.008	.008	.22	.004	.002	.004	.002
%RSD	.3070	.4703	.2583	.3670	.4120	.5489	.1692	.1073	.1992	.1049
#1	39.84	41.02	40.79	2.086	2.023	39.38	2.045	2.024	2.030	2.021
#2	40.07	41.41	40.97	2.080	2.033	39.80	2.048	2.028	2.033	2.025
#3	40.03	41.24	40.80	2.095	2.040	39.68	2.051	2.028	2.038	2.024

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.446	2.033	2.070	2.080	2.052	2.035	2.053
Stddev	.004	.007	.011	.006	.005	.006	.005
%RSD	.2912	.3710	.5529	.2743	.2427	.3183	.2396
#1	1.442	2.026	2.058	2.080	2.046	2.031	2.048
#2	1.445	2.032	2.081	2.075	2.052	2.030	2.052
#3	1.451	2.041	2.070	2.086	2.056	2.042	2.058

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass Value Range

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Sample Name: CCV Acquired: 4/22/2016 13:46:52 Type: QC
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2367.6	6294.3	4992.8	5468.6
Stddev	8.2	28.5	482.	42.9
%RSD	.34714	.45202	.96592	.78392
#1	2376.1	6319.6	5007.4	5517.8
#2	2367.0	6299.7	50321.	5439.2
#3	2359.7	6263.5	49390.	5448.8

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Sample Name: CCB Acquired: 4/22/2016 13:50:47 Type: QC
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	.0042	.0004	.0005	.0002	.0014	.0000	.0001	.0000
Stddev	.0002	.0079	.0005	.0001	.0001	.0004	.0000	.0001	.0000
%RSD	41.67	188.7	133.1	10.60	38.95	28.52	132.8	148.3	1322.
#1	-0.0002	.0015	.0008	.0005	.0003	.0019	.0001	.0002	-0.0002
#2	-0.0006	.0131	-0.0001	.0005	.0002	.0012	.0000	.0000	-0.0002
#3	-0.0005	-0.0020	.0004	.0004	.0002	.0012	.0000	.0000	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	.0225	.0723	.0192	.0001	F .0015	.2750	.0000	-0.0004
Stddev	.0003	.0050	.0332	.0160	.0000	.0005	.0106	.0001	.0007
%RSD	119.4	22.05	45.99	83.44	42.51	34.30	3.838	3213.	191.1
#1	-0.0002	.0271	.0353	.0031	.0001	.0021	.2849	.0000	-0.0007
#2	.0000	.0232	.0818	.0193	.0001	.0014	.2761	.0001	.0004
#3	-0.0006	.0173	.0998	.0351	.0000	.0010	.2639	-0.0001	-0.0009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	.0002	.0013	-0.0002	.0002	.0007	-0.0005	-0.0002	-0.0002
Stddev	.0007	.0012	.0002	.0002	.0000	.0002	.0008	.0003	.0001
%RSD	51.18	521.9	14.42	87.63	21.86	33.75	160.8	152.5	35.73
#1	.0021	-0.0004	.0013	-0.0002	.0002	.0009	-0.0015	.0001	-0.0002
#2	.0011	.0015	.0015	-0.0003	.0003	.0007	-0.0001	-0.0003	-0.0002
#3	.0008	-0.0005	.0012	.0000	.0002	.0005	.0000	-0.0005	-0.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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7.4
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Sample Name: CCB Acquired: 4/22/2016 13:50:47 Type: QC
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2756.0	6524.0	52323.	5473.1
Stddev	2.6	9.4	189.	32.9
%RSD	.09300	.14396	.36115	.60068
#1	2753.8	6533.8	52513.	5476.7
#2	2755.4	6523.3	52321.	5438.5
#3	2758.8	6515.0	52135.	5504.0

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Sample Name: FA33266-1 Acquired: 4/22/2016 13:54:59 Type: Unk
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0003	63.64	.0167	.1493	.0031	120.6	.0005	.0100	.0878	.0168
Stddev	.0005	.17	.0004	.0002	.0001	.3	.0000	.0000	.0006	.0001
%RSD	154.2	.2637	2.582	.1423	2.671	.2786	4.097	.3154	.6737	.6263
#1	.0002	63.69	.0166	.1495	.0032	120.6	.0006	.0100	.0876	.0169
#2	.0008	63.46	.0164	.1491	.0030	120.3	.0005	.0100	.0874	.0168
#3	-0.0001	63.78	.0172	.1492	.0030	121.0	.0005	.0101	.0885	.0167

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	18.68	.9431	2.085	.0148	.0136	.5405	.0299	.0570	.0005	.0121
Stddev	.01	.0141	.013	.0001	.0002	.0038	.0001	.0005	.0004	.0009
%RSD	.0692	1.496	.6281	.3541	1.548	.7018	.2060	.9344	78.95	7.110
#1	18.70	.9576	2.071	.0148	.0138	.5373	.0299	.0575	.0001	.0112
#2	18.68	.9294	2.086	.0148	.0134	.5447	.0298	.0570	.0006	.0124
#3	18.67	.9422	2.097	.0149	.0135	.5394	.0299	.0564	.0009	.0129

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.557	.0136	.9182	.2435	-.0018	.1267	.0138
Stddev	.001	.0002	.0018	.0009	.0006	.0002	.0001
%RSD	.0750	1.784	.1965	.3685	33.25	.1699	.3785
#1	1.558	.0134	.9182	.2425	-.0018	.1269	.0138
#2	1.556	.0139	.9164	.2438	-.0012	.1264	.0139
#3	1.556	.0136	.9201	.2442	-.0024	.1267	.0139

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2568.7	8047.2	62681.	7006.7
Stddev	2.1	8.3	176.	27.2
%RSD	.08136	.10280	.28140	.38883
#1	2571.0	8052.3	62712.	7028.1
#2	2567.0	8037.6	62840.	7015.9
#3	2568.1	8051.6	62491.	6976.0

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Sample Name: MP30268-D1 Acquired: 4/22/2016 13:59:01 Type: Unk
Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0003	58.63	.0146	.1265	.0027	81.59	.0004	.0088	.0811	.0153
Stddev	.0001	.17	.0004	.0004	.0001	.23	.0000	.0001	.0002	.0002
%RSD	26.55	.2840	2.811	.3164	2.019	.2801	2.075	.6219	.2083	1.422
#1	.0003	58.82	.0149	.1262	.0026	81.85	.0004	.0089	.0809	.0150
#2	.0002	58.50	.0141	.1269	.0027	81.49	.0004	.0088	.0810	.0154
#3	.0002	58.57	.0148	.1263	.0026	81.43	.0004	.0088	.0813	.0154
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	16.68	9247	1.972	.0144	.0112	5455	.0276	.0473	-.0002	.0091
Stddev	.04	.0142	.027	.0000	.0001	.0036	.0002	.0002	.0007	.0003
%RSD	.2310	1.533	1.383	.1115	.7143	.6666	.8173	.3649	383.6	2.848
#1	16.71	9084	2.002	.0144	.0111	5494	.0276	.0472	-.0001	.0094
#2	16.68	9310	1.948	.0144	.0112	5451	.0278	.0472	-.0005	.0091
#3	16.63	9346	1.965	.0144	.0113	5421	.0274	.0475	-.0008	.0089
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	1.727	.0142	.7296	.2815	-.0014	.1129	.0136			
Stddev	.002	.0003	.0033	.0007	.0009	.0002	.0000			
%RSD	.1251	2.395	.4520	.2527	62.40	1.843	.2193			
#1	1.729	.0146	.7333	.2815	-.0008	.1128	.0136			
#2	1.726	.0141	.7272	.2808	-.0010	.1130	.0136			
#3	1.725	.0139	.7283	.2822	-.0024	.1131	.0136			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2601.1	7856.8	61642.	6743.9						
Stddev	1.7	11.3	207.	48.6						
%RSD	.06693	.14378	.33501	.72078						
#1	2599.3	7843.8	61876.	6701.5						
#2	2602.7	7862.9	61566.	6733.2						
#3	2601.4	7863.7	61485.	6797.0						

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Sample Name: MP30268-SD1 Acquired: 4/22/2016 14:03:05 Type: Unk
Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0012	84.89	.0216	.1982	.0034	162.8	.0002	.0131	.1168	.0212
Stddev	.0019	.10	.0034	.0013	.0001	.3	.0002	.0002	.0016	.0009
%RSD	163.2	.1207	15.64	.6373	3.457	.1741	130.9	1.891	1.388	4.253
#1	-.0000	85.01	.0197	.1969	.0035	162.9	-.0001	.0133	.1160	.0223
#2	-.0001	84.83	.0195	.1994	.0035	162.5	.0003	.0133	.1156	.0209
#3	-.0034	84.84	.0255	.1984	.0033	163.0	.0003	.0129	.1186	.0206
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	25.21	1.538	2.849	.0191	.0131	1.480	.0405	.0621	.0005	.0167
Stddev	.08	.089	.054	.0001	.0006	.014	.0003	.0043	.0030	.0054
%RSD	.3256	5.780	1.890	.6904	4.397	.9564	.7955	6.930	543.5	32.56
#1	25.16	1.619	2.806	.0192	.0135	1.464	.0409	.0577	-.0014	.0182
#2	25.17	1.443	2.831	.0190	.0124	1.486	.0404	.0621	-.0040	.0212
#3	25.31	1.553	2.909	.0192	.0133	1.489	.0403	.0663	-.0009	.0107
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	2.087	.0164	1.222	.3202	-.0026	.1659	.0500			
Stddev	.001	.0014	.003	.0002	.0044	.0016	.0002			
%RSD	.0407	8.398	.2498	.0665	170.8	.9469	.3328			
#1	2.087	.0152	1.223	.3202	-.0068	.1676	.0502			
#2	2.086	.0161	1.218	.3205	.0020	.1645	.0499			
#3	2.087	.0180	1.224	.3201	-.0029	.1655	.0499			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2675.6	6957.6	55770.	5892.1						
Stddev	4.3	14.2	119.	13.7						
%RSD	.16043	.20386	.21280	.23315						
#1	2679.2	6971.0	55907.	5876.6						
#2	2670.8	6942.8	55698.	5896.8						
#3	2676.8	6959.0	55705.	5902.8						

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7.4
7

Sample Name: MP30268-PS1 Acquired: 4/22/2016 14:07:11 Type: Unk
Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0367	65.59	.0986	.3559	.0431	124.4	.0400	.0492	.1247	.0992
Stddev	.0003	.11	.0006	.0009	.0002	.3	.0001	.0001	.0002	.0001
%RSD	.8091	.1701	.6370	.2635	.3596	2.324	.1572	.2431	.1782	.1272
#1	.0367	65.53	.0992	.3553	.0433	124.5	.0400	.0491	.1250	.0992
#2	.0365	65.52	.0985	.3553	.0430	124.1	.0399	.0491	.1246	.0993
#3	.0371	65.71	.0980	.3569	.0431	124.6	.0400	.0493	.1246	.0991
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	20.64	8.844	5.967	.0562	.0907	8.270	.1079	.1028	.0824	.0895
Stddev	.07	.051	.015	.0001	.0002	.016	.0003	.0004	.0008	.0007
%RSD	.3303	.5732	.2517	.1025	.1905	.1890	.2814	.3624	.9734	.7419
#1	20.67	8.876	5.963	.0562	.0909	8.280	.1083	.1031	.0818	.0899
#2	20.56	8.786	5.955	.0563	.0907	8.252	.1077	.1030	.0822	.0888
#3	20.68	8.871	5.984	.0562	.0905	8.277	.1078	.1024	.0833	.0899
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	1.548	.0516	.9413	.3164	.0895	.1639	.2167			
Stddev	.001	.0003	.0028	.0003	.0011	.0007	.0002			
%RSD	.0548	.6437	.2956	.1104	1.234	.4345	.1127			
#1	1.549	.0513	.9428	.3167	.0885	.1645	.2169			
#2	1.547	.0519	.9381	.3160	.0893	.1642	.2168			
#3	1.549	.0514	.9430	.3164	.0907	.1631	.2165			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2529.7	7946.4	62548.	6872.0						
Stddev	2.2	10.0	225.	12.0						
%RSD	.08866	.12597	.35999	.17452						
#1	2527.3	7934.9	62312.	6858.6						
#2	2531.8	7952.7	62572.	6881.7						
#3	2529.8	7951.7	62760.	6875.7						

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Sample Name: MP30268-S1 Acquired: 4/22/2016 14:11:11 Type: Unk
Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0401	91.35	1.580	1.783	.0438	128.5	.0400	.4008	.2485	.2248
Stddev	.0005	.13	.002	.004	.0002	1.5	.0000	.0001	.0005	.0003
%RSD	1.151	.1427	.1006	.2371	4.379	1.144	.1062	.0203	.1934	.1470
#1	.0399	91.19	1.581	1.779	.0437	129.0	.0400	.4008	.2490	.2244
#2	.0397	91.42	1.581	1.784	.0436	126.9	.0401	.4009	.2485	.2248
#3	.0406	91.42	1.579	1.787	.0440	129.7	.0400	.4008	.2480	.2251
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	39.21	20.97	21.82	.4349	.3744	19.93	.4280	.5245	.1252	.1583
Stddev	.05	.07	.05	.0001	.0003	.05	.0006	.0022	.0012	.003
%RSD	.1381	.3494	.2182	.0324	.0749	.2402	.1363	4.239	.9238	.2073
#1	39.15	20.90	21.77	.4350	.3747	19.88	.4278	.5265	.1259	1.585
#2	39.23	21.05	21.81	.4348	.3742	19.97	.4276	.5221	.1259	1.585
#3	39.25	20.96	21.86	.4349	.3742	19.95	.4287	.5251	.1239	1.579
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg										

Sample Name: MP30268-S2 Acquired: 4/22/2016 14:15:18 Type: Unk
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0413	90.03	1.631	1.851	.0457	110.6	.0413	.4162	.2539	.2318
Stddev	.0003	.27	.003	.002	.0002	.2	.0000	.0003	.0002	.0002
%RSD	.7318	.3022	.1908	.1177	.3744	.2098	.0542	.0755	.0898	.0920

#1	.0413	89.72	1.634	1.850	.0456	110.3	.0413	.4161	.2541	.2318
#2	.0416	90.25	1.629	1.854	.0457	110.8	.0413	.4166	.2540	.2320
#3	.0410	90.11	1.629	1.850	.0459	110.7	.0413	.4159	.2536	.2316

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	39.27	21.84	22.70	.4492	.3874	20.97	.4408	5.272	1.348	1.638
Stddev	.03	.04	.03	.0001	.0004	.04	.0003	.0006	.0013	.001
%RSD	.0682	.1844	.1229	.0141	.1130	.2147	.0741	.1164	.9787	.0855

#1	39.27	21.84	22.73	.4492	.3876	20.97	.4407	5.277	1.362	1.638
#2	39.30	21.88	22.70	.4492	.3877	21.02	.4412	5.265	1.337	1.637
#3	39.25	21.80	22.67	.4491	.3869	20.93	.4406	5.272	1.343	1.640

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	2.169	.4068	1.180	.4859	1.901	.5209	.4213
Stddev	.001	.0002	.002	.0005	.002	.0004	.0003
%RSD	.0593	.0595	.1592	.1016	.1229	.0705	.0608

#1	2.168	.4065	1.179	.4863	1.901	.5208	.4212
#2	2.169	.4069	1.182	.4861	1.903	.5213	.4216
#3	2.170	.4069	1.179	.4854	1.898	.5206	.4211

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2466.8	7742.4	60488.8	6765.2
Stddev	1.6	4.5	212.0	40.9
%RSD	.06616	.05754	.35126	.60407

#1	2465.0	7739.6	60710.0	6751.3
#2	2467.4	7740.1	60287.7	6733.0
#3	2468.1	7747.5	60467.7	6811.1

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Sample Name: FA33266-2 Acquired: 4/22/2016 14:19:15 Type: Unk
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0006	74.64	.0180	.1727	.0034	97.85	.0005	.0092	.0978	.0194
Stddev	.0003	.28	.0002	.0003	.0001	.26	.0000	.0000	.0004	.0000
%RSD	57.74	.3815	1.334	.1937	1.460	.2668	7.393	.2824	.4108	.2465

#1	.0010	74.46	.0178	.1726	.0035	97.67	.0005	.0092	.0974	.0194
#2	.0004	74.49	.0182	.1725	.0034	97.73	.0005	.0092	.0981	.0195
#3	.0004	74.97	.0182	.1731	.0034	98.15	.0004	.0092	.0981	.0194

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	20.04	1.054	2.309	.0152	.0120	4.968	.0380	.0586	.0003	.0135
Stddev	.04	.016	.011	.0000	.0001	.0060	.0003	.0010	.0008	.0005
%RSD	.2197	1.490	.4706	.0430	.5391	1.216	.7796	1.716	283.1	3.696

#1	20.02	1.039	2.304	.0152	.0120	4.908	.0376	.0586	.0010	.0132
#2	20.02	1.070	2.301	.0152	.0119	4.968	.0382	.0575	.0006	.0140
#3	20.09	1.053	2.321	.0152	.0120	5.028	.0381	.0595	.0005	.0131

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.779	.0145	.9617	.2812	-.0029	1.601	.0152
Stddev	.005	.0003	.0019	.0004	.0004	.0007	.0000
%RSD	.2777	2.038	.0206	.1404	13.85	4.179	.1624

#1	1.784	.0145	.9601	.2816	-.0024	1.594	.0152
#2	1.780	.0147	.9611	.2808	-.0029	1.601	.0153
#3	1.774	.0141	.9638	.2812	-.0032	1.607	.0152

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2541.8	7827.8	62614.0	6856.6
Stddev	9.3	3.0	88.0	32.9
%RSD	.36669	.03889	.14054	.47923

#1	2547.9	7825.5	62702.0	6838.3
#2	2546.5	7831.2	62614.0	6894.5
#3	2531.1	7826.6	62526.0	6836.9

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7.4
7

Sample Name: FA33268-1 Acquired: 4/22/2016 14:23:17 Type: Unk
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0001	6.004	.0024	.0471	.0001	6.021	.0003	.0012	.0423	.0748
Stddev	.0002	.011	.0003	.0001	.0001	.014	.0000	.0001	.0002	.0005
%RSD	224.9	.1865	14.10	.2410	41.10	.2286	11.70	7.745	.3784	.6790

#1	.0003	5.991	.0021	.0472	.0002	6.014	.0003	.0012	.0425	.0752
#2	.0001	6.013	.0023	.0470	.0002	6.037	.0003	.0011	.0421	.0749
#3	.0001	6.007	.0028	.0470	.0001	6.011	.0003	.0013	.0423	.0742

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	5.171	1.059	.4791	.0959	.0005	.6316	.0558	.0638	.0006	.0015
Stddev	.016	.020	.0064	.0002	.0001	.0096	.0002	.0005	.0002	.0011
%RSD	.3084	1.891	1.341	.1643	14.52	1.516	3.656	.7709	25.34	76.94

#1	5.161	1.068	.4717	.0960	.0006	.6265	.0058	.0638	.0007	.0012
#2	5.189	1.073	.4829	.0958	.0005	.6426	.0060	.0633	.0004	.0027
#3	5.161	1.036	.4828	.0961	.0005	.6257	.0056	.0643	.0007	.0005

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.204	.0223	.0712	.1024	-.0018	.0076	.1530
Stddev	.002	.0003	.0002	.0000	.0006	.0002	.0005
%RSD	.1625	1.305	.2712	.0480	33.71	3.038	3.207

#1	1.203	.0221	.0711	.1024	-.0025	.0078	.1528
#2	1.203	.0222	.0712	.1024	-.0015	.0077	.1526
#3	1.206	.0226	.0714	.1023	-.0014	.0074	.1535

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2835.2	6844.8	56184.0	5924.6
Stddev	5.7	15.1	198.0	24.3
%RSD	.19992	.22098	.35294	.41099

#1	2830.6	6842.0	56098.0	5952.0
#2	2841.5	6861.1	56411.0	5905.5
#3	2833.4	6831.2	56044.0	5916.2

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Sample Name: FA33268-2 Acquired: 4/22/2016 14:27:23 Type: Unk
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0001	4.561	.0011	.0225	-.0001	1.421	.0000	.0000	.0273	.0380
Stddev	.0001	.013	.0002	.0001	.0001	.004	.0000	.0001	.0006	.0001
%RSD	176.5	.2781	20.18	.4543	184.1	.2723	264.1	296.3	2.270	.2832

#1	-.0001	4.572	.0010	.0226	-.0000	1.417	.0001	-.0001	.0279	.0380
#2	-.0001	4.547	.0014	.0224	-.0002	1.422</				

Sample Name: FA33268-3 Acquired: 4/22/2016 14:31:29 Type: Unk
Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.002	5.829	.0008	.0305	.0000	2.046	.0000	.0001	.0371	.0287
Stddev	.0001	.013	.0010	.0001	.0001	.005	.0000	.0001	.0004	.0003
%RSD	78.86	.2198	133.9	.1768	471.9	.2612	95.34	72.45	.9647	1.095
#1	-0.003	5.829	.0013	.0305	.0001	2.049	.0001	.0002	.0374	.0290
#2	-0.002	5.842	-0.004	.0304	.0000	2.048	.0000	.0000	.0371	.0288
#3	.0000	5.816	.0015	.0305	.0000	2.040	.0000	.0001	.0367	.0284

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	2.605	.3637	.1629	.0145	-0.002	.2051	.0026	.0613	.0007	.0010
Stddev	.009	.0270	.0179	.0001	.0001	.0056	.0001	.0001	.0001	.0014
%RSD	.3546	7.436	10.99	.6053	42.24	2.740	4.802	.2383	17.58	133.3
#1	2.614	.3398	.1422	.0146	-0.003	.2085	.0027	.0611	.0007	.0007
#2	2.606	.3583	.1733	.0144	-0.003	.2080	.0025	.0614	.0008	-0.001
#3	2.596	.3931	.1732	.0145	-0.001	.1986	.0025	.0613	.0005	.0026

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.418	.0220	.0592	.1081	-0.022	.0072	.0643
Stddev	.001	.0001	.0001	.0002	.0002	.0001	.0001
%RSD	.0791	.2472	.2309	.1624	9.036	1.390	.1986
#1	1.419	.0220	.0593	.1082	-0.022	.0071	.0643
#2	1.418	.0221	.0592	.1081	-0.020	.0071	.0644
#3	1.417	.0220	.0590	.1079	-0.024	.0073	.0642

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2362.4	6238.6	5021.0	5585.7
Stddev	2.9	6.7	37.9	23.6
%RSD	.12217	.10718	.75417	.42319
#1	2365.7	6245.9	50637.	5558.7
#2	2360.5	6237.0	50080.	5595.4
#3	2361.0	6232.8	49914.	5602.9

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Sample Name: CCV Acquired: 4/22/2016 14:35:34 Type: QC
Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2362.4	6238.6	5021.0	5585.7
Stddev	2.9	6.7	37.9	23.6
%RSD	.12217	.10718	.75417	.42319
#1	2365.7	6245.9	50637.	5558.7
#2	2360.5	6237.0	50080.	5595.4
#3	2361.0	6232.8	49914.	5602.9

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Sample Name: CCV Acquired: 4/22/2016 14:35:34 Type: QC
Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2566	40.67	2.065	2.052	2.001	40.73	2.074	2.074	2.027	2.038
Stddev	.0003	.17	.003	.006	.011	.21	.002	.002	.004	.004
%RSD	.1299	4.160	.1494	.3065	.5478	.5128	.0813	.0928	.2082	.2193
#1	2565	40.82	2.064	2.058	2.010	40.94	2.072	2.072	2.022	2.039
#2	2564	40.72	2.069	2.054	2.003	40.74	2.075	2.074	2.028	2.043
#3	2570	40.49	2.063	2.045	1.989	40.52	2.075	2.076	2.030	2.034

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.39	40.65	40.73	2.090	2.055	39.52	2.082	2.032	2.073	2.069
Stddev	.14	.19	.19	.005	.004	.27	.001	.002	.002	.004
%RSD	.3480	4.615	4.629	.2606	.2073	6.869	.0629	.1039	.1099	.1805
#1	39.49	40.80	40.95	2.084	2.050	39.74	2.081	2.030	2.073	2.067
#2	39.45	40.70	40.66	2.091	2.057	39.61	2.084	2.034	2.076	2.073
#3	39.24	40.44	40.59	2.095	2.058	39.22	2.082	2.031	2.071	2.067

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.477	2.085	2.015	2.072	2.054	2.044	2.063
Stddev	.001	.002	.009	.002	.002	.003	.002
%RSD	.0934	.1103	.4485	.1019	.0991	.1478	.1022
#1	1.476	2.086	2.022	2.071	2.052	2.041	2.061
#2	1.478	2.086	2.017	2.071	2.055	2.046	2.064
#3	1.478	2.082	2.004	2.075	2.055	2.046	2.065

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Sample Name: CCB Acquired: 4/22/2016 14:39:30 Type: QC
Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	-0.004	-0.001	.0004	.0002	-0.016	.0000	.0001
Stddev	.0003	.0008	.0003	.0001	.0001	.0034	.0000	.0000
%RSD	64.76	188.7	590.7	23.24	40.92	217.4	356.6	60.55
#1	-0.005	-0.011	.0002	.0003	.0002	.0023	.0000	.0000
#2	-0.006	.0004	-0.005	.0005	.0002	-0.028	.0000	.0001
#3	-0.001	-0.006	.0001	.0004	.0001	-0.043	.0000	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.001	.0176	.0422	-0.031	.0000	F .0012	.0986
Stddev	.000	.0001	.0062	.0253	.0224	.000	.0005	.0030
%RSD	780.7	168.5	35.22	59.97	728.6	355.5	40.76	3.090
#1	-0.004	-0.001	.0239	.0680	-0.122	.0000	.0017	.1022
#2	-0.001	-0.001	.0176	.0412	.0224	.0000	.0012	.0968
#3	.0003	.0001	.0115	.0174	-0.194	-0.001	.0007	.0969

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	F-.0016	-0.002	.0004	.0017	.0000	.0002	.0005
Stddev	.0001	.0000	.0007	.0005	.0003	.000	.0001	.0001
%RSD	159.6	1.072	339.2	149.7	18.72	1602.	27.88	14.02
#1	.0000	-0.016	-0.008	.0001	.0019	.0004	.0003	.0006
#2	.0000	-0.016	-0.002	.0010	.0019	.0000	.0003	.0004
#3	-0.002	-0.015	.0005	.0000	.0013	-0.005	.0002	.0005

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Sample Name: CCB Acquired: 4/22/2016 14:39:30 Type: QC
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	-0.003	-0.001	-0.001
Stddev	.0013	.0001	.0001
%RSD	417.7	164.6	114.0

#1	-0.001	.0000	.0000
#2	.0008	-0.002	-0.002
#3	-0.017	.0000	-0.001

Check ? Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2778.1	6616.3	53298.	5664.1
Stddev	2.4	4.8	377.	63.1
%RSD	.08773	.07284	.70757	1.1142

#1	2775.7	6621.3	53700.	5718.4
#2	2778.0	6611.7	53243.	5679.0
#3	2780.5	6616.0	52952.	5594.8

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Sample Name: FA33268-4 Acquired: 4/22/2016 14:43:43 Type: Unk
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	5.412	.0012	.0291	.0000	1.380	.0001	.0001	.0392	.0265
Stddev	.0001	.015	.0002	.0002	.0000	.008	.0000	.0001	.0002	.0001
%RSD	52.46	.2782	19.39	.5449	117.1	.5505	58.60	99.69	.4860	.5408

#1	-0.001	5.412	.0012	.0290	.0000	1.386	.0001	.0001	.0391	.0267
#2	-0.001	5.396	.0014	.0290	.0000	1.372	.0001	.0000	.0394	.0264
#3	-0.002	5.426	.0010	.0293	.0000	1.383	.0000	.0002	.0391	.0265

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	2.375	.3150	.1585	.0122	.0004	.1705	.0022	.0583	.0008	.0017
Stddev	.011	.0105	.0191	.0001	.0001	.0078	.0001	.0002	.0001	.0002
%RSD	.4426	3.322	12.08	.4883	21.36	4.547	4.212	.4021	13.70	9.531

#1	2.386	.3257	.1548	.0122	.0005	.1739	.0021	.0585	.0008	.0015
#2	2.374	.3145	.1793	.0122	.0003	.1760	.0023	.0584	.0009	.0019
#3	2.365	.3048	.1415	.0121	.0004	.1617	.0021	.0580	.0007	.0018

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.278	.0196	.0586	.1081	-0.011	.0066	.0391
Stddev	.000	.0001	.0003	.0002	.0006	.0000	.0000
%RSD	.0216	.5407	.5274	.1393	49.57	.1129	1.138

#1	1.278	.0195	.0587	.1082	-0.014	.0066	.0390
#2	1.277	.0196	.0583	.1082	-0.005	.0066	.0391
#3	1.278	.0197	.0589	.1079	-0.015	.0066	.0391

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2851.2	6952.2	55557.	5814.3
Stddev	1.5	8.8	208.	2.5
%RSD	.05370	.12591	.37460	.04364

#1	2852.8	6949.4	55730.	5814.8
#2	2851.1	6962.0	55326.	5816.5
#3	2849.7	6945.1	55615.	5811.5

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7.4
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Sample Name: FA33265-1 Acquired: 4/22/2016 14:47:50 Type: Unk
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.001	38.90	.0078	.0520	.0003	3.258	-0.001	.0004	.0503	.0256
Stddev	.0003	.09	.0006	.0001	.0000	.002	.0001	.0001	.0002	.0001
%RSD	539.4	.2286	8.168	.1048	16.78	.0705	36.00	17.35	.3231	.2999

#1	-0.002	38.94	.0083	.0520	.0003	3.255	-0.002	.0004	.0502	.0256
#2	.0003	38.79	.0071	.0520	.0003	3.257	-0.001	.0004	.0502	.0257
#3	-0.003	38.95	.0079	.0521	.0003	3.260	-0.001	.0003	.0505	.0256

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	27.06	.3313	.4951	.0649	.0043	.1465	.0079	.0193	-0.005	.0009
Stddev	.08	.0210	.0166	.0001	.0000	.0093	.0001	.0005	.0006	.0006
%RSD	.3060	6.346	3.358	.1404	.9291	6.359	1.678	2.624	124.7	66.76

#1	27.07	.3168	.5036	.0650	.0043	.1513	.0080	.0194	-0.001	.0004
#2	26.98	.3218	.4759	.0649	.0043	.1358	.0080	.0197	-0.012	.0016
#3	27.14	.3554	.5057	.0649	.0043	.1524	.0078	.0188	-0.001	.0008

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.201	.0165	.0578	.5022	-0.017	.0508	.0291
Stddev	.003	.0004	.0002	.0008	.0009	.0006	.0000
%RSD	.2391	2.549	.3843	.1601	53.43	1.090	.1479

#1	1.201	.0161	.0580	.5029	-0.021	.0504	.0291
#2	1.198	.0164	.0576	.5013	-0.023	.0514	.0290
#3	1.203	.0170	.0578	.5024	-0.007	.0506	.0291

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2775.2	7027.7	55699.	5828.8
Stddev	4.7	21.3	129.	38.3
%RSD	.16767	.30263	.23169	.65723

#1	2780.4	7042.6	55556.	5833.3
#2	2773.8	7037.1	55735.	5864.7
#3	2771.5	7003.4	55806.	5788.5

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Sample Name: FA33265-2 Acquired: 4/22/2016 14:51:55 Type: Unk
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.001	38.51	.0088	.0874	.0004	9.297	.0000	.0007	.0475	.0299
Stddev	.0001	.09	.0001	.0002	.0001	.029	.000	.0000	.0002	.0002
%RSD	132.8	.2251	1.171	.2686	13.58	.3080	97.40	5.084	.3478	.6509

#1	-0.001	38.61	.0087	.0876	.0005	9.327	-0.001	.0007	.0474	.0302
#2	-0.002	38.45	.0089	.0873	.0004	9.271	.0000	.0007	.0474	.0298
#3	-0.000	38.48	.0087	.0871	.0004	9.293	.0000	.0007	.0477	.0298

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	25.46	.5029	.8543	.0656	.0062	.1462	.0094	.0201	.0000	.0011
Stddev	.03	.0323	.0120	.0002	.0001	.0038	.0000	.0002	.000	.0008
%RSD	.1268	6.422	1.403	.3534	1.845	2.604	.4153	1.016	1353.	70.03

#1	25.50	.5181	.8526	.0656	.0063	.1469	.0094	.0202	.0001	.0002
#2	25.46	.5248	.8432	.0659	.0061	.1421	.0094	.0203	.0000	.0015
#3	25.43	.4658	.8670	.0655	.0062	.1496	.0094	.0199	-0.001	.0016

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.466	.0155	.0642	.4876	-0.015	.0550	.0284
Stddev	.004	.0002	.0003	.0010	.0003	.0002	.0000
%RSD	.2653	1.228	.5338	.2006	21.86	.3416	.0996

#1	1.467	.0152	.0644	.4884	-0.013	.0552	.0284
#2	1.462	.0156	.0645	.4879	-0.018	.0550	.0284
#3	1.470	.0156	.0639	.4865	-0.012	.0548	.0284

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2756.3	6992.9	55468.	5945.8
Stddev	2.6	7.4	248.	21.4
%RSD	.09304	.10605	.44714	.36076

#1	2755.2	6991.4	55554.	5922.1
#2	2754.4	7000.9	55188.	5963.7
#3	2759.2	6986.3	55660.	5951.7

Sample Name: FA33265-3 Acquired: 4/22/2016 14:56:00 Type: Unk
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0001	46.53	.0094	.0670	.0003	7.284	-0.001	.0007	.0584	.0521
Stddev	.0001	.09	.0006	.0001	.0001	.035	.0001	.0001	.0003	.0002
%RSD	83.01	.2034	6.024	.1763	18.27	4.846	73.81	9.665	.5332	.3734
#1	.0002	46.60	.0097	.0672	.0004	7.259	.0000	.0007	.0583	.0523
#2	.0000	46.42	.0098	.0670	.0003	7.269	-0.001	.0008	.0587	.0521
#3	.0002	46.56	.0087	.0669	.0003	7.325	-0.001	.0006	.0581	.0520

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	32.83	.3843	.6694	.1139	.0051	1.579	.0106	.0250	.0003	.0015
Stddev	.13	.0324	.0255	.0001	.0001	.0102	.0001	.0005	.0003	.0008
%RSD	.3969	8.438	3.813	.1164	1.883	6.459	1.100	1.853	77.70	56.26
#1	32.68	.3891	.6400	.1138	.0050	1.504	.0107	.0255	.0002	.0012
#2	32.92	.4140	.6819	.1141	.0052	1.695	.0106	.0251	.0006	.0025
#3	32.88	.3497	.6863	.1140	.0050	1.537	.0105	.0246	.0002	.0009

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.452	.0161	.0741	.5596	-.0015	.0619	.0461
Stddev	.002	.0001	.0001	.0015	.0002	.0002	.0001
%RSD	.1011	.7981	.1736	.2698	12.02	3.153	1.660
#1	1.454	.0160	.0740	.5586	-.0015	.0620	.0461
#2	1.451	.0160	.0741	.5613	-.0016	.0621	.0462
#3	1.451	.0162	.0742	.5588	-.0013	.0617	.0460

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2741.2	6990.6	5570.6	5917.6
Stddev	1.5	6.4	216.	25.0
%RSD	.05561	.09181	.38850	.42301
#1	2742.9	6983.8	5577.2	5943.5
#2	2740.3	6991.3	5546.4	5893.6
#3	2740.3	6996.5	5588.1	5915.6

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Sample Name: FA33265-4 Acquired: 4/22/2016 15:00:05 Type: Unk
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0002	48.34	.0091	.0840	.0005	9.636	-0.001	.0006	.0601	.0302
Stddev	.0003	.06	.0001	.0002	.0001	.022	.0000	.0000	.0004	.0003
%RSD	140.5	.1158	1.186	.2003	24.66	2.260	13.20	7.773	.7275	1.006
#1	.0005	48.28	.0092	.0838	.0004	9.640	-0.001	.0006	.0605	.0305
#2	.0002	48.36	.0090	.0842	.0006	9.656	-0.001	.0007	.0597	.0301
#3	-0.001	48.38	.0091	.0840	.0004	9.613	-0.001	.0007	.0602	.0299

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	30.56	.3490	.7267	.0611	.0055	1.651	.0107	.0248	.0006	.0011
Stddev	.09	.0197	.0027	.0002	.0001	.0098	.0001	.0003	.0010	.0011
%RSD	.2974	5.655	.3673	.3513	1.390	5.945	.8900	1.020	166.3	104.2
#1	30.49	.3627	.7236	.0608	.0054	1.686	.0106	.0251	.0005	.0000
#2	30.66	.3263	.7283	.0610	.0055	1.727	.0106	.0248	-.0003	.0010
#3	30.52	.3579	.7281	.0613	.0056	1.540	.0108	.0246	.0016	.0023

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.345	.0155	.0820	.5874	-.0013	.0612	.0280
Stddev	.002	.0001	.0001	.0012	.0009	.0002	.0001
%RSD	.1106	.7544	.1789	.1988	69.15	3.580	2.788
#1	1.345	.0155	.0820	.5870	-.0019	.0615	.0279
#2	1.347	.0154	.0822	.5866	-.0018	.0611	.0279
#3	1.344	.0156	.0819	.5888	-.0003	.0611	.0281

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2745.4	7089.7	5593.4	6025.9
Stddev	8.7	7.5	231.	11.9
%RSD	.31789	.10563	.41236	.19696
#1	2752.0	7098.3	5615.0	6036.5
#2	2748.8	7085.5	5569.1	6013.1
#3	2735.5	7085.1	5596.2	6028.2

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Sample Name: FA33265-5 Acquired: 4/22/2016 15:04:11 Type: Unk
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0002	43.35	.0094	.0382	.0001	1.547	-0.002	.0006	.0585	.0903
Stddev	.0002	.03	.0004	.0001	.0000	.004	.0001	.0001	.0002	.0004
%RSD	109.0	.0640	3.769	.2920	16.26	2.502	25.90	15.61	.2832	.4044
#1	-.0001	43.38	.0096	.0382	.0001	1.547	-0.002	.0005	.0584	.0906
#2	-.0004	43.33	.0090	.0382	.0001	1.552	-0.002	.0006	.0587	.0904
#3	-.0001	43.34	.0095	.0380	.0002	1.544	-0.003	.0005	.0585	.0899

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	37.52	.4277	.9403	.1635	.0037	1.444	.0101	.0237	-.0001	.0001
Stddev	.07	.0216	.0197	.0002	.0001	.0020	.0001	.0007	.0015	.0007
%RSD	.1915	5.061	2.093	.1204	2.648	1.395	.7070	2.798	1966.	801.7
#1	37.44	.4068	.9176	.1633	.0038	1.421	.0102	.0229	-.0015	-.0006
#2	37.57	.4501	.9529	.1634	.0038	1.457	.0101	.0242	.0014	.0001
#3	37.55	.4263	.9503	.1637	.0036	1.453	.0101	.0238	-.0002	.0008

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.415	.0181	.0630	.6292	-.0021	.0634	.0581
Stddev	.001	.0002	.0001	.0008	.0001	.0002	.0001
%RSD	.0627	1.323	.1541	.1275	4.946	3.504	1.897
#1	1.416	.0180	.0631	.6299	-.0021	.0632	.0582
#2	1.415	.0179	.0629	.6283	-.0021	.0633	.0581
#3	1.414	.0183	.0629	.6295	-.0022	.0636	.0580

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2761.6	6978.2	5471.6	5853.5
Stddev	4.8	5.2	172.	55.6
%RSD	.17224	.07411	.31453	.95002
#1	2761.3	6972.7	5478.6	5915.0
#2	2766.5	6979.0	5452.0	5838.7
#3	2757.0	6982.9	5484.2	5806.8

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Sample Name: CRIA Acquired: 4/22/2016 15:08:17 Type: Unk
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0091	2.283	.0097	.2171	.0053	1.077	.0055	.0560	.0110	.0283
Stddev	.0003	.0075	.0002	.0006	.0001	.005	.0000	.0001	.0002	.0001
%RSD	3.527	3.297	2.477	.2737	1.188	4.362	4.546	1.660	1.449	.4135
#1	.0089	2.210	.0094	.2173	.0053	1.072	.0055	.0560	.0111	.0284
#2	.0095	2.260	.0097	.2164	.0053	1.081	.0055	.0560	.0109	.0282
#3	.0090	2.278	.0099	.2176	.0052	1.079	.0055	.0559	.0111	.0283

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.3383	10.82	5.515	.0170	.0512	10.85	.0444	.0045	.0052	.0103
Stddev	.0070	.02	.023	.0000	.0000	.03	.0001	.0003	.0001	.0010
%RSD	2.083	.1877	4.165	.0964	.0615	2.656	1.342	5.735	2.724	9.537
#1	.3462	10.80	5.535	.0170	.0512	10.88	.0444	.0047	.0054	.0113
#2	.3363	10.81	5.521	.0170	.0512	10.83	.0444			

Sample Name: ICSA Acquired: 4/22/2016 15:12:24 Type: Unk
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.004	489.9	.0012	.0010	.0000	465.6	-0.006	-0.003	-0.002
Stddev	.0003	7.4	.0002	.0003	.000	1.5	.0001	.0001	.0002
%RSD	60.55	1.518	20.97	32.52	60.61	.3158	25.04	39.87	94.89

#1	-0.007	497.1	.0012	.0013	-0.001	465.9	-0.006	-0.002	-0.002
#2	-0.004	490.4	.0009	.0011	-0.001	466.9	-0.004	-0.004	.0000
#3	-0.002	482.2	.0014	.0006	.0000	464.0	-0.007	-0.002	-0.003

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.005	183.1	.1224	F502.3	.0001	-0.006	.3401	.0002	-0.002
Stddev	.0004	.2	.0239	.4	.0000	.0001	.0068	.0001	.0028
%RSD	73.39	.1188	19.52	.0880	41.91	16.43	2.006	73.32	1521.

#1	-0.002	183.0	.1407	501.8	.0000	-0.006	.3371	.0001	-0.025
#2	-0.009	183.0	.0954	502.5	.0001	-0.007	.3352	.0001	-0.009
#3	-0.004	183.4	.1312	502.5	.0000	-0.006	.3479	.0004	.0029

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0009	-0.017	.0652	-0.004	.0005	-0.008	.0005	.0000	-0.015
Stddev	.0003	.0031	.0010	.0003	.0000	.0001	.0011	.0004	.0002
%RSD	33.18	183.2	1.589	64.04	5.852	13.45	199.8	970.0	13.55

#1	.0007	-0.022	.0653	-0.008	.0005	-0.009	.0014	.0005	-0.017
#2	.0007	.0016	.0663	-0.003	.0005	-0.007	-0.007	-0.004	-0.016
#3	.0012	-0.045	.0642	-0.003	.0005	-0.008	.0009	.0000	-0.013

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2137.5	5969.8	45308.	5407.6
Stddev	1.2	13.2	342.	13.9
%RSD	.05445	.22189	.75432	.25617

#1	2138.8	5962.4	45601.	5422.4
#2	2137.2	5961.9	44932.	5395.0
#3	2136.5	5985.1	45390.	5405.5

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Sample Name: IC SAB Acquired: 4/22/2016 15:16:43 Type: Unk
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	F.9882	485.8	1.058	.5160	.4939	465.3	.9598	.4753	.5162
Stddev	.0010	4.0	.001	.0011	.0005	7.2	.0027	.0009	.0021
%RSD	.1062	.8257	.1291	.2114	.1098	1.543	.2763	.1909	.4015

#1	.9875	482.5	1.059	.5169	.4942	469.6	.9572	.4743	.5141
#2	.9877	484.6	1.057	.5163	.4933	457.0	.9597	.4753	.5163
#3	.9894	490.2	1.059	.5148	.4942	469.3	.9625	.4762	.5183

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5381	181.3	.1156	.492.3	.5157	.9349	.3164	.9454	.9709
Stddev	.0014	.2	.0331	1.6	.0010	.0022	.0046	.0018	.0003
%RSD	.2880	.1285	28.64	.3324	.1864	.2301	1.445	.1921	.0279

#1	.5383	181.6	.1166	.494.2	.5148	.9329	.3216	.9437	.9710
#2	.5395	181.2	.0820	.491.6	.5156	.9348	.3129	.9453	.9711
#3	.5366	181.2	.1481	.491.1	.5167	.9372	.3148	.9473	.9706

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.9930	.9947	.0821	.9061	1.010	1.012	.9674	.4717	.9549
Stddev	.0012	.0029	.0003	.0007	.002	.002	.0032	.0009	.0020
%RSD	.1237	.2870	.4229	.0732	.1534	.2152	.3279	.1884	.2130

#1	.9917	.9926	.0821	.9065	1.011	1.010	.9666	.4726	.9531
#2	.9942	.9980	.0818	.9064	1.008	1.014	.9709	.4709	.9545
#3	.9930	.9936	.0825	.9053	1.010	1.014	.9648	.4715	.9571

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2134.1	6020.5	45871.	5417.8
Stddev	1.8	13.7	231.	16.7
%RSD	.08352	.22790	.50409	.30852

#1	2135.4	6034.4	46024.	5431.0
#2	2134.8	6020.0	45984.	5399.0
#3	2132.0	6007.0	45605.	5423.4

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Sample Name: CCV Acquired: 4/22/2016 15:20:56 Type: QC
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2545	40.55	1.979	2.052	2.063	40.63	2.044	2.040	2.099	2.060
Stddev	.0005	.13	.002	.007	.006	.19	.004	.004	.004	.008
%RSD	.1961	.3314	.0881	.3674	.3019	.4724	.2018	.1960	.1925	.3786

#1	.2551	40.53	1.981	2.047	2.062	40.58	2.049	2.044	2.099	2.067
#2	.2541	40.42	1.977	2.048	2.057	40.47	2.042	2.038	2.095	2.061
#3	.2543	40.69	1.978	2.061	2.069	40.84	2.041	2.036	2.103	2.052

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.06	41.46	40.54	2.088	2.007	41.81	2.013	2.023	2.005	1.994
Stddev	.17	.15	.19	.006	.002	.16	.002	.004	.005	.004
%RSD	.4319	.3698	.4575	.2895	.0837	.3753	.1079	.1972	.2764	.2149

#1	39.93	41.49	40.54	2.084	2.005	41.86	2.015	2.027	2.010	1.996
#2	39.99	41.30	40.36	2.085	2.008	41.63	2.012	2.020	2.004	1.996
#3	40.26	41.61	40.73	2.095	2.008	41.93	2.011	2.021	1.999	1.989

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.426	1.982	2.092	2.090	2.044	2.031	2.027
Stddev	.003	.003	.006	.004	.007	.004	.004
%RSD	.2188	.1654	.3058	.2083	.3624	.2007	.2006

#1	1.429	1.986	2.088	2.089	2.052	2.031	2.032
#2	1.425	1.981	2.088	2.086	2.042	2.026	2.026
#3	1.423	1.979	2.100	2.095	2.038	2.035	2.025

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.426	1.982	2.092	2.090	2.044	2.031	2.027			
Stddev	.003	.003	.006	.004	.007	.004	.004			
%RSD	.2188	.1654	.3058	.2083	.3624	.2007	.2006			

#1	1.429	1.986	2.088	2.089	2.052	2.031	2.032			
#2	1.425	1.981	2.088	2.086	2.042	2.026	2.026			
#3	1.423	1.979	2.100	2.095	2.038	2.035	2.025			

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.426	1.982	2.092	2.090	2.044	2.031	2.027
Stddev	.003	.003	.006	.004	.007	.004	.004
%RSD	.2188	.1654	.3058	.2083	.3624	.2007	.2006

#1	1.429	1.986	2.088	2.089	2.052	2.031	2.032
#2	1.425	1.981	2.088	2.086	2.042	2.026	2.026
#3	1.423	1.979	2.100	2.095	2.038	2.035	2.025

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Sample Name: CCB Acquired: 4/22/2016 15:24:52 Type: QC
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.005	-0.0083	-0.005	.0002	.0000	.0021	.0000	.0001	-0.002
Stddev	.0002	.0074	.0006	.0002	.000	.0021	.0000	.0001	.0003
%RSD	40.84	88.96	124.1	100.7	7861.	101.7	159.4	200.3	163.3
#1	-0.004	-0.0091	-0.012	.0003	-0.001	.0000	.0000	.0002	-0.005
#2	-0.007	-0.0152	-0.0001	.0003	.0000	.0020	.0000	.0001	-0.003
#3	-0.004	-0.0005	-0.0002	.0000	.0000	.0043	.0000	-0.001	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	.0203	.0588	.0094	-0.0001	F.0014	.0653	-0.0001	.0001
Stddev	.0002	.0058	.0271	.0265	.0000	.0005	.0125	.0002	.0004
%RSD	50.56	28.40	46.14	282.1	67.06	35.00	19.09	130.3	288.4
#1	-0.0003	.0269	.0574	.0009	.0000	.0019	.0716	.0000	.0006
#2	-0.0006	.0178	.0866	.0391	-0.0001	.0013	.0509	-0.0001	.0001
#3	-0.0003	.0162	.0324	-0.0118	-0.0001	.0009	.0734	-0.0003	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	.0009	.0012	-0.0001	.0001	.0001	-0.0007	-0.0001	-0.0002
Stddev	.0006	.0000	.0002	.0003	.0001	.0001	.0005	.0002	.0000
%RSD	55.97	3.937	13.96	258.8	119.9	174.9	65.86	116.4	26.05
#1	.0014	.0009	.0010	-0.0002	.0000	.0002	-0.011	-0.0003	-0.0002
#2	.0015	.0009	.0012	.0002	.0001	.0001	-0.0002	.0000	-0.0001
#3	.0004	.0008	.0013	-0.0004	.0000	-0.0001	-0.0009	-0.0002	-0.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/22/2016 15:24:52 Type: QC
 Method: 60102007_041712(v84) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2754.9	6574.2	52186.	5512.2
Stddev	8.0	21.6	107.	22.3
%RSD	.28995	.32927	.20422	.40419
#1	2763.2	6595.5	52251.	5489.9
#2	2754.3	6574.8	52245.	5512.2
#3	2747.3	6552.2	52063.	5534.4

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	3	V	-0.009834	0.000000	No
			Fe	-0.000001	0.000000	No
			Mg	0.000002	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.035224	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	5	Fe	-0.000094	0.000000	No
			Cr	-0.000226	0.000000	No
			Mo	-0.000017	0.000000	No
			Al	0.000004	0.000000	No
			Ca	0.000002	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	-0.000000	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000115	0.000000	No
			Ti	-0.000059	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000100	0.000000	No
			Ca	0.000001	0.000000	No
			Al	-0.000001	0.000000	No
			Ti	0.000151	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.003012	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	3	Fe	-0.000001	0.000000	No
			Al	0.000005	0.000000	No
			Fe	-0.000012	0.000000	No
			Ca	0.000002	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Fe	-0.000129	0.000000	No
			Ca	0.000002	0.000000	No
			Mo	0.000528	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Ti	-0.000251	0.000000	No
			Al	0.000004	0.000000	No
			Mg	0.000002	0.000000	No
			Co	-0.000787	0.000000	No
			Cd	0.000240	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}*	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000001	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000017	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000055	0.000000	No
			Co	-0.000054	0.000000	No
			Mo	0.000005	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000269	0.000000	No
			Ti	0.000440	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	9	Al	0.000294	0.000000	No
			Fe	-0.000078	0.000000	No
			Mo	-0.001012	0.000000	No
			Cu	0.001070	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000071	0.000000	No
			Ca	-0.000001	0.000000	No
			Cr	0.000050	0.000000	No
			Mg	0.000004	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?			
Sb 206.833 {463}	<input checked="" type="checkbox"/>	10	Fe	0.000015	0.000000	No			
			Cr	0.012140	0.000000	No			
			Mo	-0.004076	0.000000	No			
			V	-0.000611	0.000000	No			
			Sn	-0.010736	0.000000	No			
			Ti	0.000040	0.000000	No			
			Ca	-0.000001	0.000000	No			
			Ni	-0.000438	0.000000	No			
			Mg	-0.000002	0.000000	No			
			Al	0.000003	0.000000	No			
Se 196.090 {472}	<input checked="" type="checkbox"/>	10	Fe	0.000010	0.000000	No			
			Ca	-0.000001	0.000000	No			
			Mn	0.000574	0.000000	No			
			Mo	0.000111	0.000000	No			
			Al	-0.000015	0.000000	No			
			V	0.000000	0.000000	No			
			Zn	0.000000	0.000000	No			
			Sr	0.000137	0.000000	No			
			As	-0.000032	0.000000	No			
			Be	0.000212	0.000000	No			
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.019120	0.000000	No			
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None							
Sr 407.771 { 83}	<input checked="" type="checkbox"/>	1	Ca	0.000017	0.000000	No			
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000007	0.000000	No			
Ti 190.856 {477}	<input checked="" type="checkbox"/>	11	Co	0.001145	0.000000	No			
			Fe	0.000004	0.000000	No			
			Al	-0.000011	0.000000	No			
			Ba	-0.000051	0.000000	No			
			Ti	-0.002651	0.000000	No			
			Sb	0.000012	0.000000	No			
			Ca	0.000003	0.000000	No			
			Cr	0.000230	0.000000	No			
			Mg	-0.000003	0.000000	No			
			Mn	0.000818	0.000000	No			
			V	-0.038621	0.000000	No			
			V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000008	0.000000	No
						Cr	-0.002590	0.000000	No
						Mo	-0.005797	0.000000	No
Ti	0.000364	0.000000				No			
Mn	-0.000693	0.000000				No			
Y 224.306 {450}* Y 360.073 { 94}* Y 371.030 { 91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5							
			Cr	-0.000965	0.000000	No			
			Al	0.000005	0.000000	No			
			Ca	0.000003	0.000000	No			
			Fe	0.000006	0.000000	No			
			As	0.001128	0.000000	No			

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	4/22/2016 10:56:04	4/22/2016 10:18:23	Linear	1/Conc	-0.000825	0.586416	0.000000	1.000000
Al 396.152 { 85}	4/22/2016 10:56:04	4/22/2016 10:18:23	Linear	1/Conc	-0.006944	0.145806	0.000000	1.000000
As 189.042 {478}	4/22/2016 10:56:04	4/22/2016 10:18:23	Linear	1/Conc	-0.000344	0.221714	0.000000	1.000000
Ba 455.403 { 74}	4/22/2016 10:56:04	4/22/2016 10:18:23	Linear	1/Conc	0.012646	12.243912	0.000000	1.000000
Be 313.042 {108}	4/22/2016 10:56:04	4/22/2016 10:18:23	Linear	1/Conc	0.000696	7.655861	0.000000	1.000000
Ca 317.933 {106}	4/22/2016 10:56:04	4/22/2016 10:18:23	Linear	1/Conc	0.003938	0.233835	0.000000	1.000000
Cd 226.502 {449}	4/22/2016 10:56:04	4/22/2016 10:18:23	Linear	1/Conc	0.000061	4.839030	0.000000	1.000000
Co 228.616 {447}	4/22/2016 10:56:04	4/22/2016 10:18:23	Linear	1/Conc	0.000291	2.350919	0.000000	1.000000
Cr 267.716 {126}	4/22/2016 10:56:04	4/22/2016 10:18:23	Linear	1/Conc	0.000154	0.389637	0.000000	1.000000
Cu 324.754 {104}	4/22/2016 10:56:04	4/22/2016 10:18:23	Linear	1/Conc	0.005087	0.658736	0.000000	1.000000
Fe 259.940 {130}	4/22/2016 10:56:04	4/22/2016 10:18:23	Linear	1/Conc	0.001962	0.158868	0.000000	1.000000
In 230.606 {446}	4/22/2016 10:56:04	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	4/22/2016 10:56:04	4/22/2016 10:18:23	Linear	1/Conc	-0.010035	0.125111	0.000000	1.000000
Mg 279.079 {121}	4/22/2016 10:56:04	4/22/2016 10:18:23	Linear	1/Conc	-0.000111	0.023305	0.000000	1.000000
Mn 257.610 {131}	4/22/2016 10:56:04	4/22/2016 10:18:23	Linear	1/Conc	0.000798	2.775406	0.000000	1.000000
Mo 202.030 {467}	4/22/2016 10:56:04	4/22/2016 10:18:23	Linear	1/Conc	0.001307	1.273513	0.000000	1.000000
Na 589.592 { 57}	4/22/2016 10:56:04	4/22/2016 10:18:23	Linear	1/Conc	0.004922	0.337343	0.000000	1.000000
Ni 231.604 {445}	4/22/2016 10:56:04	4/22/2016 10:18:23	Linear	1/Conc	0.000320	1.536997	0.000000	1.000000
Pb 220.353 {453}	4/22/2016 10:56:04	4/22/2016 10:18:23	Linear	1/Conc	-0.000872	1.207218	0.000000	1.000000
Sb 206.833 {463}	4/22/2016 10:56:04	4/22/2016 10:18:23	Linear	1/Conc	0.000316	0.252690	0.000000	1.000000
Se 196.090 {472}	4/22/2016 10:56:04	4/22/2016 10:18:23	Linear	1/Conc	0.000146	0.154826	0.000000	1.000000
Si 212.412 {459}	4/22/2016 10:56:04	4/22/2016 10:18:23	Linear	1/Conc	0.005736	0.445347	0.000000	1.000000
Sn 189.989 {477}	4/22/2016 10:56:04	4/22/2016 10:18:23	Linear	1/Conc	0.000302	0.489187	0.000000	1.000000
Sr 407.771 { 83}	4/22/2016 10:56:04	4/22/2016 10:18:23	Linear	1/Conc	0.004450	15.453551	0.000000	1.000000
Ti 334.941 {101}	4/22/2016 10:56:04	4/22/2016 10:18:23	Linear	1/Conc	0.001993	1.845986	0.000000	1.000000
Tl 190.856 {477}	4/22/2016 10:56:04	4/22/2016 10:18:23	Linear	1/Conc	-0.003227	0.576559	0.000000	1.000000
V 292.402 {115}	4/22/2016 10:56:04	4/22/2016 10:18:23	Linear	1/Conc	-0.000096	0.617188	0.000000	1.000000
Y 224.306 {450}	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	4/22/2016 10:56:04	4/22/2016 10:18:23	Linear	1/Conc	0.002514	2.952467	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999972	0.000041	0.000387	0.001289	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999868	0.003816	0.010681	0.035602	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999975	0.000127	0.000679	0.002263	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999971	0.007457	0.000182	0.000606	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999949	0.006256	0.000080	0.000268	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999881	0.005800	0.003176	0.010586	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999930	0.004619	0.000047	0.000157	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999944	0.002012	0.000104	0.000348	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999952	0.000307	0.000320	0.001067	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999977	0.000362	0.000281	0.000936	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999798	0.005146	0.002448	0.008160	OK	1.000000	0.000000	1	0
In 230.606 {446}	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999821	0.003810	0.025779	0.085931	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999882	0.000577	0.019788	0.065958	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999756	0.004943	0.000042	0.000142	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999974	0.000738	0.000123	0.000410	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999770	0.011652	0.009182	0.030607	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999923	0.001532	0.000160	0.000534	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999899	0.001389	0.000500	0.001668	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999976	0.000140	0.000956	0.003187	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999979	0.000080	0.001475	0.004918	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.980458	0.007334	0.000384	0.001279	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999748	0.000885	0.000256	0.000853	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999991	0.005401	0.000086	0.000285	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999871	0.002390	0.000112	0.000373	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999955	0.000424	0.000666	0.002218	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999975	0.000351	0.000262	0.000874	OK	1.000000	0.000000	1	0
Y 224.306 {450}	0.000000	0.000000	-1.000000	1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}	0.000000	0.000000	-1.000000	1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}	0.000000	0.000000	-1.000000	1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999941	0.002588	0.000056	0.000188	OK	1.000000	0.000000	1	0

Accutest Laboratories SE Metals Digestion Log Water

DOD +
MS (PB)

Method of digestion(circle one): SW846-3010A / SW846-3005A / EPA 200.7 / SM3030C

MP #: 30113

Prep Date/Time (mm/dd/yy 24:00): 3/15/16 B:30

HotBlock I.D. 5

Thermometer I.D. 204

Correction Factor (°C) -1

Temperature Observed/Corrected (°C) 96, 95

Added^B: HNO₃
Lot# 1115100

Spk. Sol. ^A	Used(ml)	Pipette #
ACC 920	0.50	10
ACC 894	0.25	10
Met S301	0.25	10

Dig. Tube Lot#: J220204-201

HCL
4115080

Sample #	Initial Volume(ml)	pH<2	Final Volume(ml)	Comments
Method Blank(MB)	*100 50.0	N/A	50.0	
Spike Blank(SB)	*100	N/A		
Matrix Spike(MS)	*105	✓		
Matrix Spike Dup(MSD)		✓		
Duplicate(DUP)		✓		
1 QC ^C FA32212-1 ^D 13		✓		
2 FA32196-7 2		✓		
3 8		✓		
4 9		✓		
5 FA32197-1 ↓		✓		
6 FA32107-28 1		✓		
7 FA32073-15 17		✓		
8 18		✓		
9 19		✓		
10 20		✓		
11 23		✓		
12 ↓ 24 ↓		✓		
13 FA32113-1 21		✓		
14 2 21		✓		
15 4 17		✓		
16 5 21		✓		
17 6 17		✓		
18 ↓ 7 17		✓		
19 FA32136-1 15		✓		
* 20 ↓ 23 15		✓		
21 ^E				
22 ^E				
23 ^E				3/15/16
24 ^E				DB

Analyst: [Signature]
QC Review: [Signature]

Date: 3/15/16
Date: 3-15-16

A Used for SB, MS, MSD
B For reagent volumes used consult SCP MET 103, current revision
C Parent sample used to prepare MS, MSD, DUP
D Bottle Number
E Additional matrix QC

*LAM 3-15-16

icpwaterdigestionlog091113.xls

Rev 01/20/10 DM

*DB 3/15/16

7.5.1
7

Dry sieve
DOD-MS

Accutest Laboratories SE Metals Digestion Log Soil

MP #: 30263

Method of Digestion: SW846-3050B

Prep Date/Time (mm/dd/yy 24:00): 4/21/16 8:30
 HotBlock I.D. 6974 CECW3279 Spk. Sol. ^A ACC 938 Volume Used(ml) 1.00 Pipette # 10
 Thermometer I.D. 213 ACC 924 0.50 10
 Correction Factor (°C) -1 Met 5377 0.50 10
 Temperature Observed/Corrected (°C) 91, 90 Filter Lot#: 150928009
 Balance I.D. ADVPRO3 Dig. Tube Lot# 1504103
 Added ^B: H₂O₂ HNO₃ HCL PTFE Boiling Chips
 Lot# 157487 1115100 4115100 R203-SK012

Sample #	Wt., g	Final Volume(ml)	Comments
Method Blank(MB)	5.00	100.0	
Spike Blank(SB)	5.00		
Matrix Spike(MS)	5.12		
Matrix Spike Dup(MSD)	5.23		
Duplicate(DUP)	5.23		
1 QC ^C FA 31998-1 ^{D1}	5.33		
2 D2 = FA 31998-1	5.32		
3	4	5.18	
4	5	5.35	
5	11	5.12	
6	14	5.04	
7	15	5.20	
8	20	5.08	① 5.279 (DB) 4/21/16
9	23	5.08	
10	26	5.40	
11 FA 32106-1	5.23		
12	4	5.07	
13	7	5.04	
14	10	5.14	
15 FA 32107-1	5.22		
16	4	5.32	
17	7	5.15	
18	10	5.06	
19	13	5.13	
20			
21 ^E			4/21/16
22 ^E			
23 ^E			
24 ^E			DB

Analyst: [Signature]
 QC Review: [Signature]

Date: 4/21/16
 Date: 4.21.16

A Used for SB, MS, MSD
 B For reagent volumes used consult SOP MET 104, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional Matrix QC

icsoildigestionlog012010.xls

Rev 01/20/10 DM

7.5.2
7

DOD(MSD)

Accutest Laboratories SE Metals Digestion Log Soil

5g.

MP #: 30269

Method of Digestion: SW846-3050B

Prep Date/Time (mm/dd/yy 24:00): 4/22/16 9:32 Spk. Sol. ^A Volume Used(ml) Pipette #
 HotBlock I.D. 6974CEC-W3279 ACC 938 1.00 ~~50~~ 10
 Thermometer I.D. 213 ACC 924 0.50 10
 Correction Factor (°C) -1 Met S377 0.50 10
 Temperature Observed/Corrected (°C) 93, 92 Filter Lot#: 150928009
 Balance I.D. ADVPRO3 Dig. Tube Lot# 1504103
 Added ^B: H₂O₂ HNO₃ HCL PTFE Boiling Chips
 Lot# 157487 1115100 4115100 R203-SK012

Sample #	Wt. g	Final Volume(ml)	Comments
Method Blank(MB)	5.00	100.0	
Spike Blank(SB)	5.00		
Matrix Spike(MS)	5.23		
Matrix Spike Dup(MSD)	5.13		
Duplicate(DUP)	5.30		
1 QC ^C FA32107-16 ^D	5.14		
2 D2 = FA32107-16	5.31		
3 ↓ 19	5.10		
4 ↓ 22	405.14		
5 ↓ 23	5.20		
6 FA32237-1	5.36		
7 ↓ 4	5.34		
8 ↓ 7	5.09		
9 ↓ 10	5.43		
10 ↓ 13	5.10		
11 ↓ 14	5.26		
12 ↓ 19	5.06		
13 ↓ 22	5.26		
14 ↓ 25	5.31		
15 ↓ 28	5.22		
16 FA32238-1	5.09		
17 ↓ 4	5.35		
18 ↓ 7	5.16		
19 ↓ 10	5.06		
20			
21 ^E			
22 ^E			
23 ^E			
24 ^E			

Analyst: DB Date: 4/22/16
 QC Review: [Signature] Date: 4.22.16

A Used for SB, MS, MSD
 B For reagent volumes used consult SOP MET 104, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional Matrix QC
 icpsolidigestionlog012010.xls Rev 01/20/10 DM

* DB 4/22/16

7.5.3
7

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*e-Hardcopy 2.0
Automated Report*

Technical Report for

Kemron Environmental Services, Inc

Ft Ord; CA

07202.2001

SGS Accutest Job Number: FA32237

Sampling Date: 03/10/16



Report to:

Kemron Environmental Services, Inc
4522 Joe Lloyd Way
Monterey, CA 93944
emiddleditch@gilbaneco.com

ATTN: Eric Middleditch

Total number of pages in report: 142



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Sue Bell 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001)
DoD ELAP (L-A-B L2229), CA (2937), TX (T104704404), PA (68-03573), VA (460177),
AK, AR, GA, KY, MA, NV, OK, UT, WA

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Test results relate only to samples analyzed.

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Sample Summary

Kemron Environmental Services, Inc

Job No: FA32237

Ft Ord; CA

Project No: 07202.2001

Sample Number	Collected		Matrix Code	Received	Type	Client Sample ID
	Date	Time By				
FA32237-1	03/10/16	08:40 KLTR	SO	03/11/16	Soil	10-14SC0000
FA32237-4	03/10/16	09:40 KLTR	SO	03/11/16	Soil	10-13SC0000
FA32237-7	03/10/16	10:25 KLTR	SO	03/11/16	Soil	10-02SC0000
FA32237-10	03/10/16	12:15 KLTR	SO	03/11/16	Soil	10-12SC0000
FA32237-13	03/10/16	08:50 KLTR	SO	03/11/16	Soil	10-19SC0000
FA32237-14	03/10/16	08:50 KLTR	SO	03/11/16	Soil	10-19SC0000Q
FA32237-19	03/10/16	09:40 KLTR	SO	03/11/16	Soil	10-21SC0000
FA32237-22	03/10/16	10:20 KLTR	SO	03/11/16	Soil	10-22SC0000
FA32237-25	03/10/16	11:12 KLTR	SO	03/11/16	Soil	10-08SC0000
FA32237-28	03/10/16	12:05 KLTR	SO	03/11/16	Soil	10-25SC0000
FA32237-31	03/10/16	14:30 KLTR	AQ	03/11/16	Equipment Blank	10-ER14SC

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

2

Client: Kemron Environmental Services, Inc

Job No: FA32237

Site: Ft Ord; CA

Report Date: 4/25/2016 2:43:20 PM

11 Sample(s) were collected on 03/10/2016 and were received at SGS Accutest Southeast (SASE) on 03/11/2016 properly preserved, at 3.2 Deg. C and intact. These Samples received an SASE job number of FA32237. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix: AQ

Batch ID: MP30157

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA32398-1DUP, FA32398-1MS, FA32398-1MSD, FA32398-1PS, FA32398-1SDL were used as the QC samples for metals.

Matrix: SO

Batch ID: MP30269

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA32107-16DUP, FA32107-16MSD, FA32107-16SDL, FA32107-16PS were used as the QC samples for metals.

Matrix Spike/Matrix Spike Duplicate Recovery(s) for Lead are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MP30269-PS1 for Lead: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Kim Benham, Client Services (signature on file)

Date: April 25, 2016

Monday, April 25, 2016

Page 1 of 1

Summary of Hits

Job Number: FA32237
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 03/10/16



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA32237-1	10-14SC0000					
Lead		50.8	1.9	0.37	mg/kg	SW846 6010C
FA32237-4	10-13SC0000					
Lead		13.8	1.9	0.37	mg/kg	SW846 6010C
FA32237-7	10-02SC0000					
Lead		25.2	2.0	0.39	mg/kg	SW846 6010C
FA32237-10	10-12SC0000					
Lead		15.9	1.8	0.37	mg/kg	SW846 6010C
FA32237-13	10-19SC0000					
Lead		8.0	2.0	0.39	mg/kg	SW846 6010C
FA32237-14	10-19SC0000Q					
Lead		10	1.9	0.38	mg/kg	SW846 6010C
FA32237-19	10-21SC0000					
Lead		18.3	2.0	0.40	mg/kg	SW846 6010C
FA32237-22	10-22SC0000					
Lead		7.2	1.9	0.38	mg/kg	SW846 6010C
FA32237-25	10-08SC0000					
Lead		4.1	1.9	0.38	mg/kg	SW846 6010C
FA32237-28	10-25SC0000					
Lead		35.0	1.9	0.38	mg/kg	SW846 6010C
FA32237-31	10-ER14SC					

No hits reported in this sample.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: 10-14SC0000	Date Sampled: 03/10/16
Lab Sample ID: FA32237-1	Date Received: 03/11/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.1
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	50.8	1.9	0.37	0.093	mg/kg	5	04/22/16	04/22/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13106

(2) Prep QC Batch: MP30269

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 10-13SC0000	Date Sampled: 03/10/16
Lab Sample ID: FA32237-4	Date Received: 03/11/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.2
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	13.8	1.9	0.37	0.094	mg/kg	5	04/22/16	04/22/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13106

(2) Prep QC Batch: MP30269

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 10-02SC0000	Date Sampled: 03/10/16
Lab Sample ID: FA32237-7	Date Received: 03/11/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.3
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	25.2	2.0	0.39	0.098	mg/kg	5	04/22/16	04/22/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13106

(2) Prep QC Batch: MP30269

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 10-12SC0000	Date Sampled: 03/10/16
Lab Sample ID: FA32237-10	Date Received: 03/11/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.4
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	15.9	1.8	0.37	0.092	mg/kg	5	04/22/16	04/22/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13106

(2) Prep QC Batch: MP30269

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 10-19SC0000	Date Sampled: 03/10/16
Lab Sample ID: FA32237-13	Date Received: 03/11/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.5
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	8.0	2.0	0.39	0.098	mg/kg	5	04/22/16	04/22/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13106

(2) Prep QC Batch: MP30269

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 10-19SC0000Q	Date Sampled: 03/10/16
Lab Sample ID: FA32237-14	Date Received: 03/11/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.6
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	10	1.9	0.38	0.095	mg/kg	5	04/22/16	04/22/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13106

(2) Prep QC Batch: MP30269

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 10-21SC0000	Date Sampled: 03/10/16
Lab Sample ID: FA32237-19	Date Received: 03/11/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.7
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	18.3	2.0	0.40	0.099	mg/kg	5	04/22/16	04/22/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13106

(2) Prep QC Batch: MP30269

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 10-22SC0000	Date Sampled: 03/10/16
Lab Sample ID: FA32237-22	Date Received: 03/11/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.8
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	7.2	1.9	0.38	0.095	mg/kg	5	04/22/16	04/22/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13106

(2) Prep QC Batch: MP30269

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 10-08SC0000	Date Sampled: 03/10/16
Lab Sample ID: FA32237-25	Date Received: 03/11/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.9
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	4.1	1.9	0.38	0.094	mg/kg	5	04/22/16	04/22/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13106

(2) Prep QC Batch: MP30269

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 10-25SC0000	Date Sampled: 03/10/16
Lab Sample ID: FA32237-28	Date Received: 03/11/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.10
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	35.0	1.9	0.38	0.096	mg/kg	5	04/22/16	04/22/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13106

(2) Prep QC Batch: MP30269

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 10-ER14SC	Date Sampled: 03/10/16
Lab Sample ID: FA32237-31	Date Received: 03/11/16
Matrix: AQ - Equipment Blank	Percent Solids: n/a
Project: Ft Ord; CA	

4.11
4

Total Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.0 U	5.0	2.0	1.1	ug/l	1	03/23/16	03/23/16 LM	SW846 6010C ¹	SW846 3010A ²

(1) Instrument QC Batch: MA13053

(2) Prep QC Batch: MP30157

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Misc. Forms**5****Custody Documents and Other Forms**

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

KL-031016-01
COC # 1-8



FA32237

Project Name: Fort Ord	LDVHZLGH 5DQJH \$VVHVP	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001		Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - \$ 5 \$		Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Analytical Test Method	Code Matrix
		SO SOIL
Equipment:		WQ WATER QUALITY CONTROL MATRIX
		Code Container/Preservative
		2 2" 1L amber, 4 degrees C
		1 1" 1.0-1.5 kilogram bag
		13 1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016													
Sample ID	Matrix	Date	Time	Samp Init.					Location ID	Sample Type	Depth (ft bgs)		
											Top	Bottom	
1	SO	03/10/16	0840	KL					10-14	NI	0.0	0.5	
2			0855						10-14		1.0	1.5	HOLD
3			0905						10-14		2.0	2.5	HOLD
4			0940						10-13		0.0	0.5	
5			0950						10-13		1.0	1.5	HOLD
6			1000						10-13		2.0	2.5	HOLD
7			1025						10-02		0.0	0.5	
8			1040						10-02		1.0	1.5	HOLD
9			1055						10-02		2.0	2.5	HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>K. Leung</i>	3/10/16	1600	<i>FEDEX</i>	3/10/16	1600	3/10/16 FEDEX 8088 8917 3501
<i>Jeran Fisher</i>	3/10/16	1600				
<i>Fy</i>			<i>[Signature]</i>	3/11/16	1115	
						Received by Laboratory: (Signature, Date, Time) & condition
						3.2, 3.2

ENV.COC_Record July 08, 2015

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FA32237: Chain of Custody
Page 1 of 6

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # KL-031016-02



FA32237

Project Name: Fort Ord	Project Number: 07202.2001	WBS Code: - - § 5 §	Laboratory: Accutest Laboratories, Orlando, FL
Project Name: § D V H Z L G H 5 D Q J H § V V H V P			Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
			Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method	SW6330B - Explosives	SW6010C - Lead	SW6330B - Explosives by ISM	SW6010C - Lead by ISM	Code	Matrix
							SO	SOIL
							Code	Container/Preservative
							2	2" 1L amber, 4 degrees C
							1	1" 1.0-1.5 kilogram bag
							13	1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016													
Sample ID	Matrix	Date	Time	Samp Init.					Location ID	Sample Type	Depth (ft bgs)		
											Top	Bottom	
10-12SC0000	SO	03/10/16	1215	KL				X	10-12	NL	0.0	0.5	
10-12SC0001			1230					X	10-12	NL	1.0	1.5	HOLD
10-12SC0002			1245					X	10-12	NL	2.0	2.5	HOLD
10-19SC0000	SO		0850	TR				X	10-19	NL	0.0	0.5	
10-19SC0000Q			0850					X	10-19	FD	0.0	0.5	
10-19SC0001			0905					X	10-19	NL	1.0	1.5	HOLD
10-19SC0001Q			0905					X	10-19	FD	1.0	1.5	HOLD
10-19SC0002			0925					X	10-19	NL	2.0	2.5	HOLD
10-19SC0002Q			0925					X	10-19	FD	2.0	2.5	HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
KL	3/10/16	1600	FEDEX	3/10/16	1600	3/10/16 FEDEX 8088 6417 3501
Juan Rubin	3/10/16	1600				
FY				3/11/16	1115	

ENV COC Record July 06, 2015

5.1
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FA32237: Chain of Custody
Page 2 of 6

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
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(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # KL 031016-03
FA32237



Project Name: Fort Ord § D V H Z L G H § D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW8330B - Explosives SW6010C - Lead SW8330B - Explosives by ISM SW6010C - Lead by ISM	Code Matrix
			SO SOIL
			WQ WATER QUALITY CONTROL MATRIX
			Code Container/Preservative
2 2" 1L amber, 4 degrees C	1 1" 1.0-1.5 kilogram bag	13 1" 250ml poly, with HNO3	

Event ID: Basewide Range Assessment Spring 2016

Sample ID	Matrix	Date	Time	Samp Init.	Location ID	Sample Type	Depth (ft bgs) Top - Bottom
19 1 10-21 SC0000	SO	03/10/16	0940	TR	10-21	N1	0.0 0.5
20 2 10-21 SC0001			0950		10-21		1.0 1.5 HOLD
21 3 10-21 SC0002			1000		10-21		2.0 2.5 HOLD
22 4 10-22 SC0000			1020		10-22		0.0 0.5
23 5 10-22 SC0001			1030		10-22		1.0 1.5 HOLD
24 6 10-22 SC0002			1045		10-22		2.0 2.5 HOLD
25 7 10-08 SC0000			1112		10-08		0.0 0.5
26 8 10-08 SC0001			1125		10-08		1.0 1.5 HOLD
27 9 10-08 SC0002			1140		10-08		2.0 2.5 HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
Kri Lemw	3/10/16	1600	FEDEX	3/10/16	1600	3/10/16 FEDEX 8088 8917 35W
Jeressa Rube FX	3/10/16	1600	[Signature]	3/11/16	9/15	Received by Laboratory: (Signature, Date, Time) & condition

5.1 5

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # KL-031016-04

FA32237



Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Analytical Test Method	Code	Matrix
		SO	SOIL
Equipment:	SW8330B - Explosives	WQ	WATER QUALITY CONTROL MATRIX
	SW6010C - Lead	Code	Container/Preservative
	SW8330B - Explosives by ISM	2	2" 1L amber, 4 degrees C
	SW6010C - Lead by ISM	1	1" 1.0-1.5 kilogram bag
		13	1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016										
Sample ID	Matrix	Date	Time	Samp Init.				Location ID	Sample Type	Depth (ft bgs) Top - Bottom
27 1	10-25 SC0000	SO	03/10/16	1205	TR		X	10-25	N1	0.0 0.5
29 2	10-25 SC0001	SO		1225	TR		X	10-25	N1	1.0 1.5
30 3	10-25 SC0002	SO		1240	TR		X	10-25	N1	2.0 2.5
3/4	10-ER2145C	WQ		1430	KL	X		FIELD QC	EB	NA NA
5	NOT USED									
6	NOT USED									
7	NOT USED									
8	NOT USED									
9	NOT USED									

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
Ken Leonard	3/10/16	1600	FEPEX	3/10/16	1600	3/10/16 FEDEX 8088 8917 350
Seren Ruba	3/10/16	1600				
Fx				3/11/16	1115	

ENV COC_Record July 08, 2015

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ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA32237 CLIENT: Gilbane PROJECT: Fort Ord
 DATE/TIME RECEIVED: 3/11/16 1115 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 2
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER DELIVERY OTHER: _____
 AIRBILL NUMBERS: 8088 8917 3581

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM _____ 5-GRAM _____
 NUMBER OF 5035 FIELD KITS ? _____
 NUMBER OF LAB FILTERED METALS ? _____
 TEST STRIP LOT#s pH 0-3 204413A
 SUMMARY OF COMMENTS: _____

TEMPERATURE INFORMATION

- IR THERM ID 1 CORR. FACTOR to 2
- OBSERVED TEMPS: 3.0, 3.0
- CORRECTED TEMPS: 3.2, 3.2 (USED FOR LIMS)

SAMPLE INFORMATION

- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- % SOLIDS JAR NOT RECEIVED
- RESIDUAL CHLORINE PRESENT LOT# _____

{APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

OTHER (specify) _____

TECHNICIAN SIGNATURE/DATE [Signature] 3/14/16 REVIEWER SIGNATURE/DATE [Signature] 3-14-16

NF 11/15

receipt confirmation 111015.xls

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1 of 4
TRK# 8088 8917 3501
0215
MASTER ##
FRI - 11 MAR 10:30A
PRIORITY OVERNIGHT
32811
FL-US MCO
XH TIXA

universal
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phone: 1-888-756-4676
UNV12113
MADE IN USA

FA32237: Chain of Custody
Page 6 of 6

QC Evaluation: DOD QSM5 Limits

Job Number: FA32237
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 03/10/16

QC Sample ID	CAS#	Analyte	Sample Result Type	Result Type	Result	Units	Limits
MP30157 SW846 6010C							
MP30157-B1	7439-92-1	Lead	BSP	REC	103.4	%	86-113
MP30157-S1*	7439-92-1	Lead	MS	REC	103.8	%	86-113
MP30157-S2*	7439-92-1	Lead	MSD	REC	106.6	%	86-113
MP30157-S2*	7439-92-1	Lead	MSD	RPD	2.7	%	20
MP30157-D1*	7439-92-1	Lead	DUP	RPD	0	%	20
MP30269 SW846 6010C							
MP30269-B1	7439-92-1	Lead	BSP	REC	100	%	81-112
MP30269-S1*	7439-92-1	Lead	MS	REC	52.3 ^a	%	81-112
MP30269-S2*	7439-92-1	Lead	MSD	REC	164.2 ^b	%	81-112
MP30269-S2*	7439-92-1	Lead	MSD	RPD	9.3	%	20
MP30269-D1*	7439-92-1	Lead	DUP	RPD	5.4	%	20
MP30269-D2*	7439-92-1	Lead	DUP	RPD	.9	%	20

- (a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- (b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

* Sample used for QC is not from job FA32237

5.2
5

Metals Analysis

9

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32237
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032316M1.ICP
 Analyst: LM
 Parameters: Pb

Date Analyzed: 03/23/16 Methods: SW846 6010C
 Run ID: MA13053

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:20	MA13053-STD1	1		STDA
08:24	MA13053-STD2	1		STDB
08:28	MA13053-STD3	1		STDC
08:33	MA13053-STD4	1		STDD
08:38	MA13053-HSTD1	1		
08:46	MA13053-ICV1	1		
08:58	MA13053-ICB1	1		
09:02	MA13053-CR1A1	1		
09:07	MA13053-ICSA1	1		
09:13	MA13053-ICSAB1	1		
09:20	MA13053-CCV1	1		
09:27	MA13053-CCB1	1		
09:31	ZZZZZZ	10		
09:36	ZZZZZZ	10		
09:40	ZZZZZZ	10		
09:45	ZZZZZZ	10		
09:49	ZZZZZZ	10		
09:54	ZZZZZZ	2		
09:58	ZZZZZZ	2		
10:07	ZZZZZZ	2		
10:11	ZZZZZZ	2		
10:15	MA13053-CCV2	1		
10:20	MA13053-CCB2	1		
10:24	ZZZZZZ	2		
10:28	ZZZZZZ	20		
10:33	ZZZZZZ	20		
10:37	ZZZZZZ	20		
10:42	ZZZZZZ	4		
10:47	MA13053-CCV3	1		
10:51	MA13053-CCB3	1		
11:13	MP30157-MB1	1		
11:17	MP30157-B1	1		
11:21	FA32398-1	1		(sample used for QC only; not part of login FA32237)

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32237
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032316M1.ICP Date Analyzed: 03/23/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13053
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:26	MP30157-D1	1		
11:30	MP30157-SD1	5		
11:34	MP30157-PS1	1		
11:39	MP30157-S1	1		
11:43	MP30157-S2	1		
11:47	ZZZZZZ	1		
11:52	ZZZZZZ	1		
11:56	MA13053-CCV4	1		
12:00	MA13053-CCB4	1		
12:05	ZZZZZZ	1		
12:09	ZZZZZZ	1		
12:14	ZZZZZZ	1		
12:18	ZZZZZZ	1		
12:23	ZZZZZZ	1		
12:27	FA32237-31	1		
12:32	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:40	ZZZZZZ	1		
12:45	ZZZZZZ	1		
12:49	MA13053-CCV5	1		
12:53	MA13053-CCB5	1		
12:58	ZZZZZZ	1		
13:02	ZZZZZZ	1		
13:07	ZZZZZZ	1		
13:11	ZZZZZZ	1		
13:16	ZZZZZZ	1		
13:20	ZZZZZZ	1		
13:25	ZZZZZZ	1		
13:33	MP30157-MB2A	1		
----->	Last reportable sample/prep for job FA32237			
13:37	MP30159-MB1	1		
13:42	MP30159-B1	1		
13:46	MA13053-CCV6	1		
13:50	MA13053-CCB6	1		

6.1
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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32237
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032316M1.ICP Date Analyzed: 03/23/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13053
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:55	FA32410-1	1		(sample used for QC only; not part of login FA32237)
14:00	MP30159-D1	1		
14:04	MP30159-SD1	5		
14:08	MP30159-PS1	1		
14:13	MP30159-S1	1		
14:17	MP30159-S2	1		
14:26	ZZZZZZ	1		
14:35	ZZZZZZ	1		
14:40	MA13053-CCV7	1		
14:44	MA13053-CCB7	1		
14:53	ZZZZZZ	1		
15:35	MA13053-CCV8	1		
15:40	MA13053-CCB8	1		
15:53	MA13053-CRIA2	1		
15:58	MA13053-ICSA2	1		
16:02	MA13053-ICSAB2	1		
16:07	MA13053-CCV9	1		
16:11	MA13053-CCB9	1		
----->	Last reportable CCB for job FA32237 Refer to raw data for calibration curve and standards.			

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INTERNAL STANDARD SUMMARY

Login Number: FA32237
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032316M1.ICP Date Analyzed: 03/23/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13053
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:20	MA13053-STD1	5884	44230	4300	2998
08:24	MA13053-STD2	5798	43435	4320	2805
08:28	MA13053-STD3	5626	42404	4295	2575
08:33	MA13053-STD4	5403	40901	4213	2378
08:38	MA13053-HSTD1	5467	41091	4167	2392
08:46	MA13053-ICV1	5609	42447	4270	2566
08:58	MA13053-ICB1	6010 R	44605 R	4333 R	3009 R
09:02	MA13053-CRIA1	5911	43508	4292	2875
09:07	MA13053-ICSA1	5243	37823	3993	2317
09:13	MA13053-ICSAB1	5294	37154	3850	2301
09:20	MA13053-CCV1	5721	42130	4253	2591
09:27	MA13053-CCB1	6023	44457	4305	3016
09:31	ZZZZZZ	5858	43089	4277	2833
09:36	ZZZZZZ	4888	35053	4032	2142
09:40	ZZZZZZ	4924	35002	4013	2153
09:45	ZZZZZZ	4872	34605	3907	2135
09:49	ZZZZZZ	4934	35371	3956	2184
09:54	ZZZZZZ	6260	46769	4661	2819
09:58	ZZZZZZ	6405	47489	4670	2825
10:07	ZZZZZZ	6200	46384	4502	2860
10:11	ZZZZZZ	6276	47126	4585	2880
10:15	MA13053-CCV2	5640	42080	4143	2575
10:20	MA13053-CCB2	5889	44242	4183	2993
10:24	ZZZZZZ	6138	45962	4515	2812
10:28	ZZZZZZ	6576	49355	4754	2885
10:33	ZZZZZZ	6572	48886	4743	2936
10:37	ZZZZZZ	5501	40815	4142	2563
10:42	ZZZZZZ	6137	45889	4397	2866
10:47	MA13053-CCV3	5572	42190	4135	2558
10:51	MA13053-CCB3	5895	44408	4270	2977
11:13	MP30157-MB1	5887	44562	4194	2975
11:17	MP30157-B1	5622	41624	4020	2653
11:21	FA32398-1	5572	42083	4126	2667

INTERNAL STANDARD SUMMARY

Login Number: FA32237
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032316M1.ICP Date Analyzed: 03/23/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13053
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:26	MP30157-D1	5584	42037	4176	2677
11:30	MP30157-SD1	5815	43720	4245	2862
11:34	MP30157-PS1	5636	41152	4091	2666
11:39	MP30157-S1	5494	40927	4022	2533
11:43	MP30157-S2	5405	40458	4009	2494
11:47	ZZZZZZ	5848	44414	4227	2922
11:52	ZZZZZZ	5683	42303	4127	2757
11:56	MA13053-CCV4	5598	41752	4063	2561
12:00	MA13053-CCB4	5785	43396	4108	2930
12:05	ZZZZZZ	5770	42926	4348	2615
12:09	ZZZZZZ	5647	41831	4174	2711
12:14	ZZZZZZ	5859	43712	4195	2840
12:18	ZZZZZZ	5775	43656	4106	2851
12:23	ZZZZZZ	5802	44304	4191	2881
12:27	FA32237-31	5719	43580	4174	2811
12:32	ZZZZZZ	5641	42794	4085	2776
12:36	ZZZZZZ	5803	44244	4096	2940
12:40	ZZZZZZ	5780	44302	4173	2920
12:45	ZZZZZZ	5850	45210	4257	2962
12:49	MA13053-CCV5	5575	42398	4120	2567
12:53	MA13053-CCB5	5839	44082	4170	2979
12:58	ZZZZZZ	5841	44768	4165	2968
13:02	ZZZZZZ	5836	45211	4133	2984
13:07	ZZZZZZ	5835	45104	4239	2982
13:11	ZZZZZZ	5843	45429	4252	2980
13:16	ZZZZZZ	5887	45082	4197	2989
13:20	ZZZZZZ	5879	44999	4162	2995
13:25	ZZZZZZ	5831	45146	4199	2983
13:33	MP30157-MB2A	5934	45656	4202	3025
13:37	MP30159-MB1	5866	45481	4234	3028
13:42	MP30159-B1	5676	43708	4146	2733
13:46	MA13053-CCV6	5521	42649	4115	2578
13:50	MA13053-CCB6	5807	44655	4221	2988

INTERNAL STANDARD SUMMARY

Login Number: FA32237
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032316M1.ICP Date Analyzed: 03/23/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13053
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:55	FA32410-1	7680 !	58843 !	5704 !	2619
14:00	MP30159-D1	7502	57420 !	5544 !	2637
14:04	MP30159-SD1	6143	47126	4521	2774
14:08	MP30159-PS1	7610 !	58496 !	5767 !	2598
14:13	MP30159-S1	7656 !	58709 !	5721 !	2579
14:17	MP30159-S2	7554 !	58059 !	5624 !	2570
14:26	ZZZZZZ	7952 !	61223 !	5930 !	2596
14:35	ZZZZZZ	6164	47908	4355	2820
14:40	MA13053-CCV7	5407	42053	3960	2547
14:44	MA13053-CCB7	5729	44848	4117	2981
14:53	ZZZZZZ	5911	46050	4613	2246
15:35	MA13053-CCV8	5351	42310	3867	2560
15:40	MA13053-CCB8	5646	45046	3956	2986
15:53	MA13053-CRIA2	5504	43743	3876	2845
15:58	MA13053-ICSA2	4926	38374	3619	2297
16:02	MA13053-ICSAB2	4926	38519	3627	2269
16:07	MA13053-CCV9	5297	42779	3851	2545
16:11	MA13053-CCB9	5588	45072	3901	2963

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.1.1
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32237
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032316M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/23/16
 Run ID: MA13053

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		08:58	09:27		10:20	10:51			
	Sample ID:	RL	ICB1	final	CCB1	CCB2	CCB3	final		
Aluminum	200	14	anr							
Antimony	6.0	1	anr							
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2	anr							
Cadmium	5.0	.2	anr							
Calcium	1000	50	anr							
Chromium	10	1	anr							
Cobalt	50	.2	anr							
Copper	25	1	anr							
Iron	300	17	anr							
Lead	5.0	1	0.30	<5.0	0.40	<5.0	0.60	<5.0	0.50	<5.0
Magnesium	5000	35	anr							
Manganese	15	.5	anr							
Molybdenum	50	.3								
Nickel	40	.4	anr							
Potassium	10000	200	anr							
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.1	anr							
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32237
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032316M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/23/16
 Run ID: MA13053

Methods: SW846 6010C
 Units: ug/l

Metal	RL	IDL	12:00 CCB4		12:53 CCB5		13:50 CCB6		14:44 CCB7	
			raw	final	raw	final	raw	final	raw	final
Aluminum	200	14	anr							
Antimony	6.0	1	anr							
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2	anr							
Cadmium	5.0	.2	anr							
Calcium	1000	50	anr							
Chromium	10	1	anr							
Cobalt	50	.2	anr							
Copper	25	1	anr							
Iron	300	17	anr							
Lead	5.0	1	0.10	<5.0	0.10	<5.0	0.70	<5.0	0.60	<5.0
Magnesium	5000	35	anr							
Manganese	15	.5	anr							
Molybdenum	50	.3								
Nickel	40	.4	anr							
Potassium	10000	200	anr							
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.1	anr							
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32237
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032316M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/23/16
 Run ID: MA13053

Methods: SW846 6010C
 Units: ug/l

Metal	RL	IDL	15:40 CCB8		16:11 CCB9	
			raw	final	raw	final
Aluminum	200	14	anr			
Antimony	6.0	1	anr			
Arsenic	10	1.3	anr			
Barium	200	1	anr			
Beryllium	4.0	.2	anr			
Cadmium	5.0	.2	anr			
Calcium	1000	50	anr			
Chromium	10	1	anr			
Cobalt	50	.2	anr			
Copper	25	1	anr			
Iron	300	17	anr			
Lead	5.0	1	0.10	<5.0	0.50	<5.0
Magnesium	5000	35	anr			
Manganese	15	.5	anr			
Molybdenum	50	.3				
Nickel	40	.4	anr			
Potassium	10000	200	anr			
Selenium	10	2.4	anr			
Silver	10	.7	anr			
Sodium	10000	500	anr			
Strontium	10	.5				
Thallium	10	1.1	anr			
Tin	50	.9				
Titanium	10	.5				
Vanadium	50	.5	anr			
Zinc	20	3	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
 6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32237
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032316M1.ICP Date Analyzed: 03/23/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13053 Units: ug/l

Metal	Time: Sample ID: ICV	08:46		CCV True	09:20		CCV True	10:15	
		ICV1 Results	% Rec		CCV1 Results	% Rec		CCV2 Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	1990	99.5	2000	1990	99.5	2000	2010	100.5
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32237
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032316M1.ICP Date Analyzed: 03/23/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13053 Units: ug/l

Metal	Sample ID	Time: CCV True	10:47 CCV3		11:56 CCV4		12:49 CCV5			
			Results	% Rec	Results	% Rec	Results	% Rec		
Aluminum		anr								
Antimony		anr								
Arsenic		anr								
Barium		anr								
Beryllium		anr								
Cadmium		anr								
Calcium		anr								
Chromium		anr								
Cobalt		anr								
Copper		anr								
Iron		anr								
Lead	2000	2020	2020	101.0	2000	2020	101.0	2000	2030	101.5
Magnesium		anr								
Manganese		anr								
Molybdenum										
Nickel		anr								
Potassium		anr								
Selenium		anr								
Silver		anr								
Sodium		anr								
Strontium										
Thallium		anr								
Tin										
Titanium										
Vanadium		anr								
Zinc		anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32237
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032316M1.ICP Date Analyzed: 03/23/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13053 Units: ug/l

Metal	Time: Sample ID: CCV True	13:46 CCV6		CCV True	14:40 CCV7		CCV True	15:35 CCV8	
		Results	% Rec		Results	% Rec		Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	2010	100.5	2000	2020	101.0	2000	1980	99.0
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32237
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032316M1.ICP Date Analyzed: 03/23/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13053 Units: ug/l

Time:	16:07		
Sample ID:	CCV9		
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	2000	1980	99.0
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA32237
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032316M1.ICP Date Analyzed: 03/23/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13053 Units: ug/l

Time:	08:38		
Sample ID:	HSTD1		
Metal	HSTD True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	4000	4010	100.3
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA32237
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032316M1.ICP Date Analyzed: 03/23/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13053 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	09:02 CRIA1 Results	% Rec	15:53 CRIA2 Results	% Rec
Metal						
Aluminum	400	200	anr			
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	5.7	114.0	5.3	106.0
Magnesium	10000	5000	anr			
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	anr			
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	anr			
Zinc	40	20	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA32237
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032316M1.ICP Date Analyzed: 03/23/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13053 Units: ug/l

Time:	09:07	09:13	15:58	16:02						
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2						
Metal	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum	500000	500000	500000	100.0	513000	102.6	521000	104.2	530000	106.0
Antimony		1000	0.0		1000	100.0	1.7		1060	106.0
Arsenic		1000	-1.4		1080	108.0	-0.40		1110	111.0
Barium		500	-0.50		511	102.2	-0.20		557	111.4
Beryllium		500	0.0		520	104.0	0.0		501	100.2
Cadmium		1000	-0.10		957	95.7	-0.30		1010	101.0
Calcium	500000	500000	491000	98.2	505000	101.0	481000	96.2	478000	95.6
Chromium		500	-0.50		528	105.6	-0.30		510	102.0
Cobalt		500	-0.30		470	94.0	-0.30		514	102.8
Copper		500	-0.10		548	109.6	1.0		564	112.8
Iron	200000	200000	188000	94.0	193000	96.5	191000	95.5	194000	97.0
Lead		1000	0.30		963	96.3	-8.2		934	93.4
Magnesium	500000	500000	524000	104.8	539000	107.8	498000	99.6	500000	100.0
Manganese		500	-0.10		525	105.0	-0.40		488	97.6
Molybdenum		1000	0.0		925	92.5	0.10		1020	102.0
Nickel		1000	0.0		954	95.4	-0.10		985	98.5
Potassium			51.2		136		91.3		160	
Selenium		1000	0.50		1000	100.0	1.1		1070	107.0
Silver		1000	-0.20		1070	107.0	-0.50		1080	108.0
Sodium			152		171		268		294	
Strontium		1000	0.0		1030	103.0	0.0		1000	100.0
Thallium		1000	1.1		960	96.0	0.0		931	93.1
Tin		1000	0.90		938	93.8	-0.30		933	93.3
Titanium		1000	-0.70		995	99.5	-0.40		919	91.9
Vanadium		500	-0.10		484	96.8	0.80		452	90.4
Zinc		1000	-4.0		971	97.1	-4.1		965	96.5

(*) Outside of QC limits
(anr) Analyte not requested

6.1.6
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32237
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13106
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:03	MA13106-STD1	1		STDA
10:08	MA13106-STD2	1		STDB
10:11	MA13106-STD3	1		STDC
10:15	MA13106-STD4	1		STDD
10:19	MA13106-HSTD1	1		
10:27	MA13106-ICV1	1		
10:34	MA13106-ICB1	1		
10:39	MA13106-CR1A1	1		
10:46	MA13106-ICSA1	1		
10:56	MA13106-ICSAB1	1		
11:04	MA13106-CCV1	1		
11:09	MA13106-CCB1	1		
11:17	MP30266-MB1	1		
11:22	MP30266-B1	1		
11:26	FA33273-1	1		(sample used for QC only; not part of login FA32237)
11:30	MP30266-D1	1		
11:35	MP30266-SD1	5		
11:39	MP30266-PS1	1		
11:44	MP30266-S1	1		
11:48	MP30266-S2	1		
11:52	ZZZZZZ	5		
11:57	ZZZZZZ	5		
12:01	MA13106-CCV2	1		
12:05	MA13106-CCB2	1		
12:10	ZZZZZZ	5		
12:14	ZZZZZZ	5		
12:19	ZZZZZZ	5		
12:24	ZZZZZZ	5		
12:33	ZZZZZZ	5		
12:37	ZZZZZZ	5		
12:42	ZZZZZZ	5		
12:47	ZZZZZZ	5		
12:51	ZZZZZZ	5		

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32237
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042216M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 04/22/16
Run ID: MA13106
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:56	MA13106-CCV3	1		
13:00	MA13106-CCB3	1		
13:05	ZZZZZZ	5		
13:09	ZZZZZZ	5		
13:14	ZZZZZZ	5		
13:18	ZZZZZZ	5		
13:23	ZZZZZZ	5		
13:28	ZZZZZZ	5		
13:32	ZZZZZZ	5		
13:37	MA13106-CCV4	1		
13:41	MA13106-CCB4	1		
13:59	MP30269-MB1	5		
14:04	MP30269-B1	5		
14:08	FA32107-16	5		(sample used for QC only; not part of login FA32237)
14:20	MP30269-D1	5		
14:25	MP30269-D2	5		
14:29	MP30269-SD1	25		
14:33	MP30269-PS1	5		
14:38	MP30269-S1	5		
14:42	MP30269-S2	5		
14:46	ZZZZZZ	5		
14:51	MA13106-CCV5	1		
14:55	MA13106-CCB5	1		
14:59	ZZZZZZ	5		
15:04	ZZZZZZ	5		
15:08	FA32237-1	5		
15:12	FA32237-4	5		
15:17	FA32237-7	5		
15:21	FA32237-10	5		
15:25	FA32237-13	5		
15:30	FA32237-14	5		
15:34	FA32237-19	5		
15:38	FA32237-22	5		

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32237
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13106
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:43	MA13106-CCV6	1		
15:47	MA13106-CCB6	1		
15:52	FA32237-25	5		
15:56	FA32237-28	5		
----->	Last reportable sample/prep for job FA32237			
16:00	ZZZZZZ	5		
16:05	ZZZZZZ	5		
16:09	ZZZZZZ	5		
16:14	ZZZZZZ	5		
16:18	MA13106-CRIA2	1		
16:22	MA13106-ICSA2	1		
16:27	MA13106-ICSAB2	1		
16:32	MA13106-CCV7	1		
16:36	MA13106-CCB7	1		
----->	Last reportable CCB for job FA32237 Refer to raw data for calibration curve and standards.			

6.2
6

INTERNAL STANDARD SUMMARY

Login Number: FA32237
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13106
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:03	MA13106-STD1	4995	42759	3795	2711
10:08	MA13106-STD2	4901	42019	3760	2521
10:11	MA13106-STD3	4730	40280	3681	2298
10:15	MA13106-STD4	4547	39431	3626	2125
10:19	MA13106-HSTD1	4516	39194	3613	2106
10:27	MA13106-ICV1	4675	39944	3643	2280
10:34	MA13106-ICB1	4932 R	42411 R	3764 R	2685 R
10:39	MA13106-CR1A1	4838	41469	3774	2555
10:46	MA13106-ICSA1	4340	36033	3413	2011
10:56	MA13106-ICSAB1	4325	35789	3398	1992
11:04	MA13106-CCV1	4774	39888	3619	2296
11:09	MA13106-CCB1	4972	42269	3730	2693
11:17	MP30266-MB1	4910	42970	3775	2670
11:22	MP30266-B1	4733	40493	3663	2387
11:26	FA33273-1	4609	39540	3587	2375
11:30	MP30266-D1	4638	39739	3606	2388
11:35	MP30266-SD1	4881	41569	3697	2600
11:39	MP30266-PS1	4640	40002	3607	2334
11:44	MP30266-S1	4644	39380	3575	2250
11:48	MP30266-S2	4649	39501	3561	2254
11:52	ZZZZZZ	4077	32962	3463	1867
11:57	ZZZZZZ	4214	34777	3509	1945
12:01	MA13106-CCV2	4719	40204	3589	2282
12:05	MA13106-CCB2	4966	42713	3735	2680
12:10	ZZZZZZ	4367	36145	3544	2062
12:14	ZZZZZZ	4013	32545	3432	1828
12:19	ZZZZZZ	4247	34706	3493	1964
12:24	ZZZZZZ	4076	33209	3437	1871
12:33	ZZZZZZ	4241	34510	3444	1965
12:37	ZZZZZZ	3959	31921	3413	1792
12:42	ZZZZZZ	3885	31451	3434	1737
12:47	ZZZZZZ	4103	33360	3453	1894
12:51	ZZZZZZ	3931	31649	3423	1767

INTERNAL STANDARD SUMMARY

Login Number: FA32237
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13106
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:56	MA13106-CCV3	4710	40061	3531	2281
13:00	MA13106-CCB3	4952	42279	3650	2681
13:05	ZZZZZZ	4209	34658	3488	1969
13:09	ZZZZZZ	3786	30712	3440	1673
13:14	ZZZZZZ	4131	33484	3460	1898
13:18	ZZZZZZ	4203	34389	3472	1951
13:23	ZZZZZZ	3968	31882	3423	1793
13:28	ZZZZZZ	4125	33598	3424	1900
13:32	ZZZZZZ	4040	32631	3426	1829
13:37	MA13106-CCV4	4709	40049	3567	2271
13:41	MA13106-CCB4	4956	42569	3626	2675
13:59	MP30269-MB1	4894	41703	3559	2645
14:04	MP30269-B1	4881	41127	3532	2558
14:08	FA32107-16	4911	41498	3586	2493
14:20	MP30269-D1	4916	41512	3572	2498
14:25	MP30269-D2	4965	41586	3594	2508
14:29	MP30269-SD1	5025	42212	3613	2611
14:33	MP30269-PS1	4937	41671	3618	2485
14:38	MP30269-S1	4913	41425	3625	2456
14:42	MP30269-S2	4912	41319	3602	2450
14:46	ZZZZZZ	4986	41743	3629	2482
14:51	MA13106-CCV5	4728	39741	3505	2272
14:55	MA13106-CCB5	4936	42113	3603	2656
14:59	ZZZZZZ	4978	42066	3678	2506
15:04	ZZZZZZ	5000	41854	3603	2530
15:08	FA32237-1	5070	42238	3593	2497
15:12	FA32237-4	4994	41832	3637	2463
15:17	FA32237-7	5041	42510	3645	2531
15:21	FA32237-10	5049	42213	3647	2439
15:25	FA32237-13	5042	42066	3572	2524
15:30	FA32237-14	5070	42277	3637	2521
15:34	FA32237-19	5097	42260	3615	2525
15:38	FA32237-22	5032	41862	3579	2518

6.2.1
6

INTERNAL STANDARD SUMMARY

Login Number: FA32237
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13106
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:43	MA13106-CCV6	4768	40042	3511	2276
15:47	MA13106-CCB6	4998	42297	3620	2673
15:52	FA32237-25	4988	41566	3566	2517
15:56	FA32237-28	5069	42226	3621	2443
16:00	ZZZZZZ	5048	42153	3635	2517
16:05	ZZZZZZ	5017	41983	3551	2537
16:09	ZZZZZZ	5111	41887	3582	2446
16:14	ZZZZZZ	5050	41603	3596	2449
16:18	MA13106-CRIA2	4936	41470	3593	2560
16:22	MA13106-ICSA2	4364	35519	3261	1984
16:27	MA13106-ICSAB2	4359	35603	3242	1966
16:32	MA13106-CCV7	4762	39630	3417	2271
16:36	MA13106-CCB7	5009	42041	3522	2668

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.2.1
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32237
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042216M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/22/16
 Run ID: MA13106

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		10:34	11:09		12:05	13:00							
	Sample ID:	RL	ICB1	raw	final	CCB1	raw	final	CCB2	raw	final	CCB3	raw	final
Aluminum		200												
Antimony		6.0												
Arsenic		10		1.3	anr									
Barium		200		1	anr									
Beryllium		4.0		.2	anr									
Cadmium		5.0		.2	anr									
Calcium		1000		50	anr									
Chromium		10		1	anr									
Cobalt		50		.2										
Copper		25		1										
Iron		300		17										
Lead		5.0		1	0.0	<5.0	-0.30	<5.0	-0.10	<5.0	-0.20	<5.0		
Magnesium		5000		35	anr									
Manganese		15		.5										
Molybdenum		50		.3										
Nickel		40		.4										
Potassium		10000		200										
Selenium		10		2.4	anr									
Silver		10		.7	anr									
Sodium		10000		500	anr									
Strontium		10		.5										
Thallium		10		1.1										
Tin		50		.9										
Titanium		10		.5										
Vanadium		50		.5										
Zinc		20		3										

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32237
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
 QC Limits: result < RL Run ID: MA13106 Units: ug/l

Metal	RL	IDL	Time:							
			Sample ID:	13:41	14:55	15:47	16:36			
			CCB4	CCB5	CCB6	CCB7				
			raw	final	raw	final	raw	final	raw	final
Aluminum	200	14								
Antimony	6.0	1								
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2	anr							
Cadmium	5.0	.2	anr							
Calcium	1000	50	anr							
Chromium	10	1	anr							
Cobalt	50	.2								
Copper	25	1								
Iron	300	17								
Lead	5.0	1	-0.70	<5.0	0.40	<5.0	-0.40	<5.0	0.0	<5.0
Magnesium	5000	35	anr							
Manganese	15	.5								
Molybdenum	50	.3								
Nickel	40	.4								
Potassium	10000	200								
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.1								
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5								
Zinc	20	3								

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32237
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13106 Units: ug/l

Metal	Time:		10:27		11:04		12:01			
	Sample ID:	ICV	ICV1	CCV	CCV1	CCV2	CCV2	CCV2		
	True	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum										
Antimony										
Arsenic	anr									
Barium	anr									
Beryllium	anr									
Cadmium	anr									
Calcium	anr									
Chromium	anr									
Cobalt										
Copper										
Iron										
Lead	2000	2050	102.5	2000	2060	103.0	2000	2040	102.0	
Magnesium	anr									
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium	anr									
Silver	anr									
Sodium	anr									
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32237
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13106 Units: ug/l

Metal	Sample ID	Time: CCV	12:56		13:37		14:51		
			CCV3	Results	CCV4	Results	CCV5	Results	
Aluminum		True							
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper									
Iron									
Lead	2000	2030	101.5	2000	2040	102.0	2000	2040	102.0
Magnesium	anr								
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32237
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13106 Units: ug/l

	Time:	15:43		16:32	
Sample ID:	CCV	CCV6	CCV	CCV7	
Metal	True	Results	% Rec	True	Results
Aluminum					
Antimony					
Arsenic	anr				
Barium	anr				
Beryllium	anr				
Cadmium	anr				
Calcium	anr				
Chromium	anr				
Cobalt					
Copper					
Iron					
Lead	2000	2040	102.0	2000	2020
Magnesium	anr				101.0
Manganese					
Molybdenum					
Nickel					
Potassium					
Selenium	anr				
Silver	anr				
Sodium	anr				
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc					

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA32237
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13106 Units: ug/l

Time:	10:19	
Sample ID:	HSTD	HSTD1
Metal	True	Results % Rec

Aluminum			
Antimony			
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt			
Copper			
Iron			
Lead	4000	4080	102.0
Magnesium	anr		
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA32237
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13106 Units: ug/l

Time:			10:39		16:18	
Sample ID:	CRI	CRIA	CRIA1	% Rec	CRIA2	% Rec
Metal	True	True	Results		Results	
Aluminum	400	200				
Antimony	10	5.0				
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25				
Iron	600	300				
Lead	10	5.0	5.2	104.0	4.8	96.0
Magnesium	10000	5000	anr			
Manganese	30	15				
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000				
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20				

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA32237
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13106 Units: ug/l

Time:	10:46	10:56	16:22	16:27						
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2						
Metal	True	True	Results	% Rec						
Aluminum	500000	500000	514000	102.8	512000	102.4	531000	106.2	532000	106.4
Antimony		1000	0.70		1030	103.0	-0.70		1010	101.0
Arsenic		1000	0.40		1120	112.0	0.10		1080	108.0
Barium		500	-0.30		524	104.8	-0.40		552	110.4
Beryllium		500	-0.30		530	106.0	-0.30		530	106.0
Cadmium		1000	0.0		1010	101.0	-0.70		972	97.2
Calcium	500000	500000	493000	98.6	499000	99.8	524000	104.8	522000	104.4
Chromium		500	0.0		537	107.4	-0.40		531	106.2
Cobalt		500	-0.20		492	98.4	-0.10		487	97.4
Copper		500	0.0		541	108.2	0.30		568	113.6
Iron	200000	200000	192000	96.0	193000	96.5	194000	97.0	195000	97.5
Lead		1000	-0.10		1000	100.0	-2.1		983	98.3
Magnesium	500000	500000	537000	107.4	534000	106.8	558000	111.6	556000	111.2
Manganese		500	-0.30		544	108.8	-0.60		525	105.0
Molybdenum		1000	0.0		970	97.0	-0.10		963	96.3
Nickel		1000	0.30		1000	100.0	0.50		959	95.9
Potassium			-46		56.6		-8.6		43.3	
Selenium		1000	0.0		1040	104.0	0.80		1030	103.0
Silver		1000	-0.10		1050	105.0	-0.30		1080	108.0
Sodium			122		130		264		274	
Strontium		1000	-0.10		1030	103.0	-0.20		1100	110.0
Thallium		1000	-0.50		969	96.9	-0.30		955	95.5
Tin		1000	1.4		961	96.1	1.9		966	96.6
Titanium		1000	0.10		1050	105.0	0.30		1020	102.0
Vanadium		500	0.80		500	100.0	1.2		481	96.2
Zinc		1000	-1.7		1010	101.0	-2.0		1010	101.0

(*) Outside of QC limits
(anr) Analyte not requested

6.2.6
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA32237
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30157
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/23/16 03/23/16

Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Aluminum	200	14	14				
Antimony	6.0	1	1				
Arsenic	10	1.3	1.3				
Barium	200	1	1				
Beryllium	4.0	.2	.2				
Cadmium	5.0	.2	.2				
Calcium	1000	50	50				
Chromium	10	1	1				
Cobalt	50	.2	.2				
Copper	25	1	1				
Iron	300	17	17				
Lead	5.0	1	1.1	0.50	<5.0	0.40	<5.0
Magnesium	5000	35	35				
Manganese	15	.5	1				
Molybdenum	50	.3	.3				
Nickel	40	.4	.4				
Potassium	10000	200	200				
Selenium	10	2.4	2.9				
Silver	10	.7	.7				
Sodium	10000	500	500				
Strontium	10	.5	.5				
Thallium	10	1.1	1.4				
Tin	50	.9	1				
Titanium	10	.5	1				
Vanadium	50	.5	.6				
Zinc	20	3	4.4				

Associated samples MP30157: FA32237-31

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.3.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32237
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30157
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/23/16 03/23/16

Metal	FA32398-1 Original	DUP	RPD	QC Limits	FA32398-1 Original MS	Spikelot MPFLICP2 % Rec	QC Limits		
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	0.0	0.0	NC	0-20	0.0	519	500	103.8	80-120
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

Associated samples MP30157: FA32237-31

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.3.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32237
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30157
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/23/16

Metal	FA32398-1 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit		
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Cadmium	anr					
Calcium	anr					
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron	anr					
Lead	0.0	533	500	106.6	2.7	20
Magnesium	anr					
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	anr					
Selenium	anr					
Silver	anr					
Sodium	anr					
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

Associated samples MP30157: FA32237-31

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.3.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA32237
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30157
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/23/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Cadmium	anr			
Calcium	anr			
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron	anr			
Lead	517	500	103.4	80-120
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	anr			
Selenium	anr			
Silver	anr			
Sodium	anr			
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP30157: FA32237-31

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.3.3
6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA32237
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30157
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/23/16

Metal	FA32398-1	Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr				
Antimony	anr				
Arsenic	anr				
Barium	anr				
Beryllium	anr				
Cadmium	anr				
Calcium	anr				
Chromium	anr				
Cobalt	anr				
Copper	anr				
Iron	anr				
Lead	0.00	0.00	NC		0-10
Magnesium	anr				
Manganese	anr				
Molybdenum					
Nickel	anr				
Potassium	anr				
Selenium	anr				
Silver	anr				
Sodium	anr				
Strontium					
Thallium	anr				
Tin					
Titanium					
Vanadium	anr				
Zinc	anr				

Associated samples MP30157: FA32237-31

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.3.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA32237
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30157
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date:

03/23/16

Metal	Sample ml	Final ml	FA32398-1 Raw	PS Corr.** ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	9.8	10		52.3	0.2	2.5	50	104.6	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP30157: FA32237-31

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (**) Corr. sample result = Raw * (sample volume / final volume)
 (anr) Analyte not requested

6.3.5
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA32237
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30269
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 04/22/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.4	3.5		
Antimony	2.0	.1	.13		
Arsenic	1.0	.13	.2		
Barium	20	.1	.1		
Beryllium	0.50	.02	.05		
Cadmium	0.40	.02	.05		
Calcium	500	5	5		
Chromium	1.0	.1	.1		
Cobalt	5.0	.02	.05		
Copper	2.5	.1	.1		
Iron	30	1.7	1.7		
Lead	2.0	.1	.1	0.0	<2.0
Magnesium	500	3.5	3.6		
Manganese	1.5	.05	.05		
Molybdenum	5.0	.03	.05		
Nickel	4.0	.04	.05		
Potassium	1000	20	20		
Selenium	2.0	.24	.24		
Silver	1.0	.07	.082		
Sodium	1000	50	50		
Strontium	1.0	.05	.05		
Thallium	1.0	.11	.11		
Tin	5.0	.09	.09		
Titanium	1.0	.05	.05		
Vanadium	5.0	.05	.05		
Zinc	2.0	.3	.3		

Associated samples MP30269: FA32237-1, FA32237-4, FA32237-7, FA32237-10, FA32237-13, FA32237-14, FA32237-19, FA32237-22, FA32237-25, FA32237-28

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.4.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32237
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30269
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/22/16 04/22/16

Metal	FA32107-16		RPD	QC Limits	FA32107-16		QC Limits
	Original	DUP			Original	DUP	
Aluminum							
Antimony							
Arsenic							
Barium							
Beryllium							
Cadmium							
Calcium							
Chromium							
Cobalt							
Copper							
Iron							
Lead	108	114	5.4	0-20	108	107	0.9 0-20
Magnesium							
Manganese							
Molybdenum							
Nickel							
Potassium							
Selenium							
Silver							
Sodium							
Strontium							
Thallium							
Tin							
Titanium							
Vanadium							
Zinc							

Associated samples MP30269: FA32237-1, FA32237-4, FA32237-7, FA32237-10, FA32237-13, FA32237-14, FA32237-19, FA32237-22, FA32237-25, FA32237-28

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.4.2
 6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32237
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30269
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/22/16

Metal	FA32107-16 Original MS	Spikelot MPFLICP2 % Rec	QC Limits
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead	108 113	9.56	52.3 (a) 80-120
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

Associated samples MP30269: FA32237-1, FA32237-4, FA32237-7, FA32237-10, FA32237-13, FA32237-14, FA32237-19, FA32237-22, FA32237-25, FA32237-28

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

6.4.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32237
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30269
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/22/16

Metal	FA32107-16 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	108 124	9.74	164.2(a) 9.3	20
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30269: FA32237-1, FA32237-4, FA32237-7, FA32237-10, FA32237-13, FA32237-14, FA32237-19, FA32237-22, FA32237-25, FA32237-28

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

6.4.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA32237
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30269
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/22/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	10.0	10	100.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30269: FA32237-1, FA32237-4, FA32237-7, FA32237-10, FA32237-13, FA32237-14, FA32237-19, FA32237-22, FA32237-25, FA32237-28

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.3
6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA32237
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30269
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 04/22/16

Metal	FA32107-16	QC
	Original SDL 5:25 %DIF	Limits

Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	5560	5430	2.5	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30269: FA32237-1, FA32237-4, FA32237-7, FA32237-10, FA32237-13, FA32237-14, FA32237-19, FA32237-22, FA32237-25, FA32237-28

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA32237
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30269
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date:

04/22/16

Metal	Sample ml	Final ml	FA32107-16 Raw	PS Corr.**	ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead	9.8	10	5562	5450.76	5435	0.2	2.5	50	-31.5*(a)	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP30269: FA32237-1, FA32237-4, FA32237-7, FA32237-10, FA32237-13, FA32237-14, FA32237-19, FA32237-22, FA32237-25, FA32237-28

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(**) Corr. sample result = Raw * (sample volume / final volume)

(anr) Analyte not requested

(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

6.4.5
6

Instrument Detection Limits

Job Number: FA32237
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1	Effective Date: 01/27/15
-------------------------	--------------------------

Analyte	IDL ug/l
Aluminum	14
Antimony	1
Arsenic	1.3
Barium	1
Beryllium	.2
Cadmium	.2
Calcium	50
Chromium	1
Cobalt	.2
Copper	1
Iron	17
Lead	1
Magnesium	35
Manganese	.5
Molybdenum	.3
Nickel	.4
Potassium	200
Selenium	2.4
Silicon	5
Silver	.7
Sodium	500
Strontium	.5
Sulfur	5
Thallium	1.1
Tin	.9
Titanium	.5
Vanadium	.5
Zinc	3

The above applies to the following instrument runs:
MA13053,MA13106

6.5
6

Instrument Linear Ranges

Job Number: FA32237
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1

Effective Date: 08/13/13

Analyte	Linear Range ug/l
Aluminum	500000
Antimony	10000
Arsenic	10000
Barium	10000
Beryllium	10000
Cadmium	10000
Calcium	500000
Chromium	10000
Cobalt	10000
Copper	10000
Iron	500000
Lead	10000
Magnesium	500000
Manganese	10000
Molybdenum	10000
Nickel	10000
Potassium	80000
Selenium	10000
Silver	1000
Sodium	80000
Strontium	10000
Sulfur	10000
Thallium	10000
Tin	10000
Titanium	10000
Vanadium	10000
Zinc	10000

The above applies to the following instrument runs:
MA13053,MA13106

Metals Analysis

Raw Data

Sample Name: Blank Acquired: 3/23/2016 8:20:21 Type: Cal
Method: 60102007_042011(v22) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	.0007	-0.0005	.0030	-0.0011	.0019	-0.0009	-0.0006	-0.0011
Stddev	.0004	.0019	.0001	.0004	.0000	.0008	.0000	.0002	.0001
%RSD	301.9	252.7	14.46	14.82	33.38	38.76	5.161	28.43	89.93
#1	.0000	-0.0007	-0.0006	.0034	-0.0011	.0011	-0.0008	-0.0006	-0.0002
#2	-0.0005	.0001	-0.0006	.0025	-0.0002	.0025	-0.0009	-0.0008	-0.0001
#3	-0.0002	.0028	-0.0004	.0029	-0.0002	.0022	-0.0009	-0.0005	-0.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0056	.0022	-0.0011	.0000	.0005	.0015	-0.0162	-0.0001	-0.0002
Stddev	.0001	.0004	.0018	.001	.0001	.0001	.0018	.0002	.0001
%RSD	2.303	19.82	168.2	1338.	17.32	5.220	11.42	205.9	51.06
#1	.0057	.0026	-0.0018	-0.0008	.0006	.0015	-0.0174	-0.0003	-0.0003
#2	.0054	.0023	-0.0024	.0005	.0004	.0015	-0.0141	.0001	-0.0002
#3	.0056	.0017	.0010	.0001	.0004	.0014	-0.0172	-0.0002	-0.0001
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0006	-0.0006	.0049	.0003	.0004	.0024	-0.0009	-0.0007	.0026
Stddev	.0001	.0001	.0002	.0000	.0005	.0000	.0002	.0000	.0007
%RSD	16.04	13.66	3.764	5.106	116.9	1.111	16.75	5.161	27.42
#1	.0006	-0.0007	.0051	.0003	.0001	.0024	-0.0008	-0.0007	.0021
#2	.0005	-0.0005	.0048	.0003	.0010	.0024	-0.0011	-0.0008	.0023
#3	.0006	-0.0006	.0047	.0003	.0001	.0024	-0.0009	-0.0007	.0034
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2997.9	5883.7	44230.	4299.9					
Stddev	4.4	2.1	143.	15.4					
%RSD	.14635	.03502	.32238	.35919					
#1	2994.7	5881.3	44069.	4317.5					
#2	2996.1	5884.5	44339.	4293.8					
#3	3002.9	5885.2	44283.	4288.4					

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Sample Name: LowStd Acquired: 3/23/2016 8:24:46 Type: Cal
Method: 60102007_042011(v22) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0321	2.114	.0843	3.675	5.358	2.631	2.367	1.216	.2733
Stddev	.0003	.008	.0002	.007	.013	.003	.004	.001	.0004
%RSD	1.028	.3740	.2612	.1959	.2355	.1022	.1628	.0951	.1629
#1	.0323	2.105	.0841	3.667	5.344	2.631	2.362	1.215	.2738
#2	.0322	2.121	.0845	3.677	5.369	2.634	2.368	1.217	.2729
#3	.0317	2.115	.0842	3.681	5.361	2.629	2.369	1.216	.2732
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.3970	1.769	1.002	.2661	1.283	.4965	4.115	.7834	.4180
Stddev	.0009	.006	.002	.0012	.003	.0018	.005	.0008	.0012
%RSD	.2378	.3558	.2058	.4476	.2243	.3661	.1123	.1058	.2775
#1	.3973	1.762	1.001	.2658	1.287	.4946	4.112	.7836	.4169
#2	.3978	1.772	1.000	.2650	1.283	.4982	4.120	.7826	.4178
#3	.3960	1.773	1.004	.2674	1.281	.4967	4.114	.7842	.4192
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1150	.0576	.1745	.1887	7.800	1.035	.1370	.3659	1.275
Stddev	.0004	.0003	.0004	.0007	.007	.001	.0007	.0012	.001
%RSD	.3801	.5820	.2165	.3799	.0954	.0900	.5244	.3331	.1068
#1	.1145	.0576	.1740	.1879	7.792	1.036	.1368	.3670	1.277
#2	.1150	.0573	.1747	.1889	7.806	1.034	.1365	.3662	1.274
#3	.1154	.0580	.1747	.1893	7.801	1.035	.1379	.3646	1.275
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2805.2	5798.4	43435.	4320.1					
Stddev	4.5	13.5	88.	3.4					
%RSD	.16197	.23262	.20266	.07755					
#1	2809.0	5813.3	43342.	4318.7					
#2	2806.3	5787.0	43448.	4317.7					
#3	2800.1	5794.9	43516.	4323.9					

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Sample Name: MidStd Acquired: 3/23/2016 8:28:58 Type: Cal
Method: 60102007_042011(v22) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1303	7.997	3.490	15.06	21.69	9.969	9.485	4.849	1.081
Stddev	.0004	.030	.0005	.06	.09	.059	.017	.010	.002
%RSD	.3251	.3805	.1465	.3683	.4083	.5908	.1751	.2116	.1507
#1	.1303	8.026	3.489	15.12	21.75	10.000	9.489	4.854	1.080
#2	.1308	7.966	3.485	15.03	21.59	9.901	9.467	4.837	1.083
#3	.1300	8.000	3.495	15.02	21.73	10.01	9.499	4.855	1.081
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.577	6.329	3.872	1.012	5.123	2.000	15.85	3.117	1.738
Stddev	.005	.037	.026	.004	.002	.004	.05	.005	.005
%RSD	.3168	.5866	.6705	.4309	.0343	.2025	.3364	.1494	.2685
#1	1.578	6.365	3.891	1.012	5.122	2.000	15.91	3.117	1.739
#2	1.581	6.291	3.842	1.008	5.124	1.997	15.80	3.112	1.742
#3	1.571	6.332	3.882	1.016	5.125	2.005	15.86	3.121	1.733
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4692	.2389	.8280	.7612	31.84	4.196	5.665	1.483	5.106
Stddev	.0002	.0003	.0010	.0008	.13	.007	.0010	.001	.015
%RSD	.0475	.1434	.1197	.1002	.4187	.1602	.1809	.0894	.2984
#1	.4691	.2389	.8288	.7609	31.99	4.193	5.675	1.484	5.115
#2	.4690	.2385	.8269	.7606	31.73	4.203	5.666	1.484	5.088
#3	.4695	.2392	.8283	.7620	31.79	4.190	5.655	1.482	5.115
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2575.4	5626.3	42404.	4295.3					
Stddev	7.8	11.9	78.	37.1					
%RSD	.30292	.21187	.18328	.86320					
#1	2570.6	5615.0	42324.	4275.1					
#2	2571.1	5638.8	42479.	4338.1					
#3	2584.4	5625.1	42410.	4272.8					

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Sample Name: HighStd Acquired: 3/23/2016 8:33:23 Type: Cal
Method: 60102007_042011(v22) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2544	15.79	7.017	30.17	43.03	19.63	18.69	9.591	2.142
Stddev	.0011	.03	.0009	.11	.05	.05	.02	.006	.008
%RSD	.4151	.1947	.1222	.3572	.1175	.2566	.1315	.0660	.3616
#1	.2537	15.77	7.014	30.07	43.08	19.68	18.68	9.587	2.150
#2	.2556	15.79	7.011	30.16	42.98	19.60	18.68	9.588	2.135
#3	.2538	15.83	7.027	30.28	43.03	19.60	18.72	9.599	2.142
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.150	12.88	7.723	1.995	9.967	3.996	31.49	6.147	3.556
Stddev	.001	.01	.017	.008	.092	.003	.03	.005	.004
%RSD	.0388	.0923	.2130	.4093	.9282	.0807	.1034	.0746	.1061
#1	3.151	12.90	7.710	2.004	10.06	3.993	31.51	6.145	3.552
#2	3.149	12.87	7.741	1.988	9.967	3.997	31.45	6.143	3.556
#3	3.151	12.88	7.717	1.993	9.874	3.999	31.51	6.152	3.560
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.9445	.4785	1.172	1.496	63.61	8.301	1.139	2.975	10.10
Stddev	.0013	.0008	.001	.002	.08	.018	.001	.007	.02
%RSD	.1347	.1733	.0854	.1241	.1321	.2146	.0766	.2203	.2430
#1	.9431	.4793	1.172	1.495	63.70	8.32			

Sample Name: HSTD Acquired: 3/23/2016 8:38:24 Type: QC
 Method: 60102007_042011(v22) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.897	79.01	3.961	3.956	3.985	78.86	3.917	3.919	3.957
Stddev	.0007	.18	.006	.011	.011	.27	.004	.002	.006
%RSD	.1509	.2328	.1527	.2722	.2773	.3421	.1105	.0565	.1600

#1	.4895	78.80	3.966	3.956	3.973	78.56	3.920	3.920	3.963
#2	.4891	79.11	3.963	3.945	3.991	78.95	3.912	3.917	3.950
#3	.4905	79.13	3.955	3.966	3.992	79.08	3.920	3.921	3.957

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.966	79.55	79.17	79.37	3.911	3.946	79.17	3.928	4.014
Stddev	.018	.27	.41	.37	.019	.003	.18	.001	.005
%RSD	.4540	.3402	.5178	.4623	.4868	.0677	.2293	.0336	.1204

#1	3.980	79.24	78.76	78.96	3.900	3.944	78.96	3.927	4.019
#2	3.972	79.70	79.17	79.68	3.900	3.945	79.22	3.928	4.013
#3	3.946	79.72	79.58	79.46	3.933	3.949	79.31	3.929	4.010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.960	3.923	3.466	3.930	3.984	3.939	3.993	3.991	3.930
Stddev	.004	.005	.004	.002	.015	.021	.009	.009	.005
%RSD	.1097	.1331	.1104	.0577	.3721	.5449	.2197	.2280	.1391

#1	3.956	3.921	3.461	3.928	3.970	3.952	4.002	3.996	3.933
#2	3.964	3.929	3.468	3.932	3.984	3.951	3.985	3.980	3.923
#3	3.958	3.919	3.468	3.931	4.000	3.914	3.992	3.996	3.932

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 3/23/2016 8:38:24 Type: QC
 Method: 60102007_042011(v22) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2391.9	5467.2	41091.	4167.1
Stddev	1.2	5.4	68.	23.1
%RSD	.05061	.09803	.16556	.55316

#1	2392.0	5472.6	41046.	4193.6
#2	2393.0	5467.1	41169.	4151.7
#3	2390.6	5461.9	41058.	4155.9

7.1
7

Sample Name: ICV Acquired: 3/23/2016 8:46:26 Type: QC
 Method: 60102007_042011(v22) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.425	41.07	1.980	2.025	2.018	42.22	2.016	2.017	1.994
Stddev	.0012	.56	.004	.024	.027	.57	.001	.002	.010
%RSD	.4990	1.355	.1992	1.177	1.355	1.341	.0501	.0806	.5102

#1	.2438	40.51	1.978	1.999	1.989	41.59	2.015	2.016	2.003
#2	.2413	41.62	1.978	2.046	2.043	42.70	2.017	2.019	1.983
#3	.2424	41.07	1.985	2.030	2.021	42.36	2.016	2.017	1.997

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.964	41.30	41.83	42.29	2.059	1.896	42.20	2.030	1.987
Stddev	.007	.59	.48	.65	.009	.002	.47	.004	.004
%RSD	.3568	1.425	1.152	1.533	.4460	.0788	1.122	.2114	.2164

#1	1.964	40.67	41.31	41.66	2.064	1.895	41.70	2.026	1.984
#2	1.957	41.84	42.26	42.95	2.048	1.897	42.64	2.030	1.984
#3	1.971	41.39	41.92	42.25	2.064	1.895	42.28	2.035	1.992

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.989	2.013	1.352	2.019	1.892	1.929	2.046	1.876	2.036
Stddev	.006	.007	.0009	.004	.025	.010	.005	.009	.004
%RSD	.2988	.3334	.6950	.2051	1.323	.5204	.2676	.4811	.1989

#1	1.984	2.006	.1345	2.017	1.863	1.932	2.042	1.879	2.033
#2	1.996	2.020	.1363	2.017	1.911	1.917	2.052	1.865	2.036
#3	1.986	2.012	.1349	2.024	1.900	1.936	2.043	1.882	2.041

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 3/23/2016 8:46:26 Type: QC
 Method: 60102007_042011(v22) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2566.2	5608.5	42447.	4270.4
Stddev	1.7	6.0	185.	42.0
%RSD	.06545	.10731	.43618	.98249

#1	2566.3	5613.0	42249.	4296.9
#2	2564.5	5601.6	42615.	4222.1
#3	2567.8	5610.8	42478.	4292.4

Sample Name: ICB Acquired: 3/23/2016 8:58:19 Type: QC
 Method: 60102007_042011(v22) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0006	-0.0002	-0.0003	.0000	.0018	-0.0001	.0000	-0.0002
Stddev	.0003	.0067	.0005	.0004	.0001	.0025	.0000	.0001	.0000
%RSD	189.0	1091.	297.4	124.1	3016.	135.8	36.20	382.3	14.14

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.0078	.0494	.0045	.0000	-0.0007	.0090	-0.0001	.0003
Stddev	.0002	.0017	.0314	.0172	.000	.0000	.0058	.0002	.0004
%RSD	347.5	21.62	63.53	385.0	7.864	5.343	64.05	141.8	111.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	-0.0004	.0012	.0000	.0000	-0.0005	-0.0001	-0.0001	-0.0008
Stddev	.0000	.0006	.0001	.000	.000	.0001	.0012	.0001	.0000
%RSD	6.354	174.1	10.28	405.8	447.6	15.23	857.7	75.93	.9184

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 3/23/2016 8:58:19 Type: QC
 Method: 60102007_042011(v22) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3009.3	6009.7	44605.	4332.5
Stddev	4.6	10.3	102.	13.7
%RSD	.15405	.17133	.22913	.31718

#1 3010.6 6014.3 44495. 4347.1
 #2 3013.2 6016.9 44696. 4319.7
 #3 3004.2 5997.9 44625. 4330.8

Sample Name: CRIA Acquired: 3/23/2016 9:02:19 Type: QC
 Method: 60102007_042011(v22) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0090	.2180	.0097	.2032	.0052	1.062	.0053	.0531	.0105
Stddev	.0007	.0073	.0009	.0016	.0001	.007	.0000	.0002	.0002
%RSD	7.511	3.365	8.771	.7760	1.006	.7049	.4524	.3184	1.566

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0262	.3094	10.17	5.331	.0164	.0488	10.32	.0431	.0057
Stddev	.0001	.0054	.05	.026	.0001	.0000	.00	.0001	.0003
%RSD	.5559	1.752	4.790	.4826	.7709	.0625	.0158	.2253	5.127

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046	.0097	.0036	.0531	.0101	.0099	.0099	.0495	.0214
Stddev	.0006	.0005	.0003	.0001	.0000	.0001	.0010	.0002	.0001
%RSD	12.87	5.103	8.290	.2198	.1855	.6103	9.781	.4507	.6448

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 3/23/2016 9:02:19 Type: QC
 Method: 60102007_042011(v22) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2875.3	5911.4	43508.	4292.3
Stddev	1.1	6.5	275.	39.1
%RSD	.03992	.11049	.63310	.90988

#1 2874.1 5904.8 43231. 4333.2
 #2 2875.5 5917.9 43781. 4288.2
 #3 2876.3 5911.6 43513. 4255.4

Sample Name: ICSA Acquired: 3/23/2016 9:07:26 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	500.0	-0.014	-0.005	0.000	490.8	-0.001	-0.003	-0.005
Stddev	.0002	3.6	.0006	.0002	.000	3.6	.0001	.0001	.0002
%RSD	76.09	.7220	46.04	53.88	17.46	.7242	202.8	41.24	41.48
#1	.0000	503.5	-.0007	-.0005	.0000	493.0	-.0001	-.0001	-.0006
#2	-.0004	500.3	-.0014	-.0007	.0000	492.7	.0001	-.0003	-.0003
#3	-.0003	496.3	-.0020	-.0002	.0000	486.7	-.0001	-.0003	-.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	187.5	0.512	523.9	-0.001	0.000	1524	0.000	0.003
Stddev	.0001	.1	.0310	1.0	.0000	.000	.0089	.0003	.0007
%RSD	235.5	.0367	60.60	.1903	19.61	1158.	5.811	2947.	248.9
#1	.0000	187.5	.0328	524.5	-.0001	-.0001	.1603	-.0002	-.0004
#2	.0000	187.4	.0338	522.7	-.0001	-.0002	.1428	-.0001	.0003
#3	-.0002	187.5	.0871	524.4	-.0001	-.0001	.1540	.0003	.0009

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.000	0.005	0.140	0.009	0.000	-0.007	0.011	-0.001	-0.040
Stddev	.001	.0073	.0011	.0004	.000	.0001	.0007	.0001	.0002
%RSD	2224.	1567.	7.767	39.29	3845.	13.82	66.87	132.1	4.258
#1	.0004	-.0072	.0128	.0012	-.0001	-.0006	.0018	.0000	-.0042
#2	-.0008	.0013	.0143	.0005	.0001	-.0006	.0003	-.0001	-.0040
#3	.0004	.0073	.0149	.0010	.0000	-.0008	.0011	-.0002	-.0039

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 3/23/2016 9:07:26 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2316.5	5243.1	37823.	3993.0
Stddev	10.3	18.9	41.	13.9
%RSD	.44596	.36038	.10914	.34880
#1	2328.2	5264.6	37789.	4008.7
#2	2312.2	5235.9	37812.	3982.2
#3	2308.9	5228.9	37869.	3988.2

Sample Name: ICSAB Acquired: 3/23/2016 9:13:51 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.065	512.8	1.080	5108	5.202	505.2	9568	4.700	5277
Stddev	.003	6.5	.007	.0018	.0003	4.1	.0068	.0035	.0006
%RSD	.2688	1.265	.6375	.3526	.0560	.8038	.7139	.0733	.1171
#1	1.062	505.6	1.087	5123	.5199	500.7	.9647	.4740	.5274
#2	1.068	514.8	1.077	5088	.5205	508.6	.9526	.4684	.5284
#3	1.065	518.0	1.075	5113	.5203	506.3	.9530	.4676	.5273

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.481	193.1	1.1356	539.3	5.249	9.249	1.707	9.538	9.625
Stddev	.0006	.6	.0170	2.3	.0005	.0055	.0108	.0052	.0056
%RSD	.1157	.2873	12.51	.4236	.0860	.5942	6.307	.5466	.5858
#1	.5475	192.5	.1445	536.7	.5250	.9313	.1594	.9598	.9686
#2	.5479	193.1	.1462	540.5	.5243	.9216	.1809	.9502	.9574
#3	.5488	193.6	.1160	540.8	.5252	.9219	.1719	.9514	.9616

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.004	.9995	.0499	.9383	1.032	.9946	.9600	.4841	.9713
Stddev	.007	.0063	.0010	.0064	.002	.0012	.0033	.0008	.0059
%RSD	.6651	.6328	2.091	.6798	.1465	.1196	.3449	.1667	.6057
#1	1.011	1.006	.0511	.9456	1.033	.9932	.9615	.4839	.9781
#2	.9983	.9979	.0491	.9341	1.030	.9955	.9624	.4834	.9675
#3	1.002	.9941	.0494	.9352	1.033	.9950	.9562	.4850	.9684

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 3/23/2016 9:13:51 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2301.4	5293.9	37154.	3849.9
Stddev	6.4	23.1	44.	32.7
%RSD	.27908	.43726	.11733	.84829
#1	2294.0	5267.2	37202.	3877.9
#2	2304.9	5306.9	37117.	3857.7
#3	2305.4	5307.7	37143.	3814.0

Sample Name: CCV Acquired: 3/23/2016 9:20:53 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2556	40.01	1.989	1.982	2.013	40.55	2.004	1.988	2.038
Stddev	.0002	.03	.005	.010	.009	.30	.007	.008	.004
%RSD	.0744	.0717	.2789	.5011	.4390	.7512	.3667	.3906	.1904

#1	.2554	40.04	1.995	1.973	2.022	40.89	2.012	1.997	2.043
#2	.2558	39.98	1.986	1.979	2.005	40.33	2.002	1.984	2.036
#3	.2555	40.01	1.985	1.993	2.011	40.42	1.998	1.983	2.037

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.995	39.11	40.45	40.71	2.084	1.970	40.38	2.011	1.993
Stddev	.005	.15	.19	.57	.001	.005	.12	.007	.009
%RSD	.2636	.3810	.4713	1.396	.0486	.2377	.2953	.3493	.4729

#1	1.998	39.27	40.62	41.36	2.084	1.976	40.49	2.019	2.004
#2	1.998	38.98	40.24	40.34	2.083	1.967	40.26	2.007	1.987
#3	1.989	39.09	40.48	40.42	2.085	1.968	40.40	2.007	1.989

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.983	1.985	2.453	2.031	2.012	2.043	2.012	2.044	2.022
Stddev	.005	.006	.005	.009	.004	.004	.007	.001	.010
%RSD	.2712	.2988	.1989	.4294	.1796	.1933	.3598	.0488	.4772

#1	1.988	1.991	2.459	2.041	2.015	2.042	2.021	2.044	2.033
#2	1.983	1.979	2.450	2.028	2.008	2.047	2.009	2.044	2.019
#3	1.977	1.985	2.450	2.025	2.013	2.039	2.007	2.045	2.015

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/23/2016 9:20:53 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2591.1	5720.7	42130.	4253.3
Stddev	5.8	12.0	59.	53.6
%RSD	.22196	.20930	.13966	1.2601

#1	2584.8	5707.1	42062.	4193.6
#2	2596.1	5729.7	42161.	4297.2
#3	2592.3	5725.3	42167.	4269.0

Sample Name: CCB Acquired: 3/23/2016 9:27:18 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0072	-0.0005	-0.0001	.0002	.0067	.0000	.0001	-0.0002
Stddev	.0004	.0038	.0004	.0006	.0000	.0023	.0001	.0001	.0002
%RSD	87.59	53.01	79.68	651.0	28.72	34.61	141.7	96.38	101.2

#1	.0008	.0103	-0.0007	.0002	.0002	.0074	.0001	.0000	-0.0002
#2	.0002	.0029	-0.0007	.0003	.0002	.0041	.0001	.0002	-0.0004
#3	.0002	.0083	.0000	-0.0008	.0001	.0085	.0000	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-0.0010	.0352	.0019	.0001	-0.0004	.0160	.0001	.0004
Stddev	.0003	.0012	.0245	.0057	.0000	.0002	.0084	.0000	.0004
%RSD	151.0	119.2	69.78	293.2	16.63	38.07	52.80	53.81	90.73

#1	.0002	-0.0017	.0628	-0.0017	.0002	-0.0002	.0080	.0000	.0000
#2	-0.0001	.0004	.0161	.0085	.0001	-0.0004	.0248	.0001	.0005
#3	.0006	-0.0018	.0266	-0.0010	.0001	-0.0005	.0152	.0001	.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0004	-0.0007	-0.0002	.0002	-0.0003	.0009	.0001	-0.0005
Stddev	.0005	.0005	.0006	.0001	.0000	.0000	.0008	.0001	.0001
%RSD	66.39	127.5	92.89	46.79	9.623	14.68	89.29	121.5	13.87

#1	.0004	.0006	-0.0011	-0.0002	.0002	-0.0003	.0010	.0002	-0.0004
#2	.0012	.0009	.0000	-0.0001	.0002	-0.0003	.0016	.0000	-0.0004
#3	.0005	-0.0002	-0.0009	-0.0002	.0002	-0.0003	.0000	.0002	-0.0005

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/23/2016 9:27:18 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3015.8	6022.8	44457.	4305.3
Stddev	3.0	7.1	269.	16.5
%RSD	.09999	.11854	.60467	.38431

#1	3013.7	6014.9	44520.	4287.4
#2	3014.5	6028.8	44690.	4320.1
#3	3019.3	6024.6	44163.	4308.5

Sample Name: FA32381-5 Acquired: 3/23/2016 9:31:42 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
IS Ref									
Avg	.0004	.0752	.0053	.0672	-0.0004	244.6	-0.0006	.0000	-0.0026
Stddev	.0024	.0534	.0066	.0012	.0003	1.2	.0003	.0018	.0014
%RSD	658.6	71.07	124.6	1.744	85.25	.5034	50.34	12000.	54.53
#1	-.0017	.0581	.0008	.0675	-.0008	244.0	-.0005	.0017	-.0015
#2	-.0002	.1351	.0129	.0681	-.0002	246.1	-.0004	-.0019	-.0021
#3	.0030	.0324	.0023	.0658	-.0002	243.9	-.0010	.0003	-.0042
Elem	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_2243)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
IS Ref									
Avg	.0038	1.376	5.852	50.52	.0257	-0.0066	259.6	-0.0002	.0013
Stddev	.0018	.038	.119	.36	.0012	.0008	.8	.0012	.0028
%RSD	46.35	2.760	2.029	.7118	4.522	12.21	.3117	520.1	216.1
#1	.0031	1.333	5.971	50.39	.0269	-.0075	259.2	.0002	.0006
#2	.0058	1.405	5.853	50.93	.0257	-.0059	260.5	-.0016	.0043
#3	.0025	1.391	5.733	50.25	.0246	-.0064	259.0	.0007	-.0011
Elem	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
IS Ref									
Avg	-0.0009	.0042	15.28	-0.0025	2.385	.0011	-0.0057	-0.0009	.0741
Stddev	.0078	.0152	.03	.0023	.011	.0005	.0049	.0016	.0004
%RSD	870.7	358.9	2.242	92.25	.4435	44.28	86.97	182.8	5.271
#1	.0031	-.0057	15.24	-.0002	2.389	.0006	-.0016	.0007	.0742
#2	-.0099	-.0034	15.29	-.0049	2.393	.0016	-.0112	-.0024	.0737
#3	.0041	.0218	15.30	-.0026	2.373	.0011	-.0043	-.0009	.0745
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2832.6	5857.6	43089.	4276.8					
Stddev	9.7	16.2	145.	11.6					
%RSD	.34207	.27678	.33763	.27023					
#1	2840.4	5869.2	42923.	4276.5					
#2	2835.5	5864.5	43148.	4265.4					
#3	2821.7	5839.1	43196.	4288.5					

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Sample Name: FA32103-2F Acquired: 3/23/2016 9:36:08 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)
IS Ref								
Avg	-0.0004	.0349	-0.0015	.1767	-0.0013	757.4	-0.0019	.0007
Stddev	.0036	.0190	.0070	.0044	.0005	6.1	.0003	.0006
%RSD	964.7	54.39	449.3	2.504	37.30	.8079	14.53	90.07
#1	.0033	.0323	-.0057	.1818	-.0008	750.9	-.0019	.0003
#2	-.0004	.0550	-.0054	.1739	-.0017	763.0	-.0022	.0004
#3	-.0040	.0173	.0065	.1745	-.0013	758.3	-.0017	.0014
Elem	Cr2677 (Y_3600)	Cu3247 (Y_3710)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)
IS Ref								
Avg	-0.0018	.0763	7.039	637.5	2084.	.3331	-0.0080	F 13480.
Stddev	.0030	.0015	.078	2.9	23.	.0015	.0009	68.
%RSD	163.3	1.984	1.113	.4590	1.124	.4546	11.11	.5052
#1	.0016	.0758	6.949	635.8	2060.	.3345	-.0072	13550.
#2	-.0032	.0751	7.095	640.9	2107.	.3333	-.0079	13410.
#3	-.0039	.0780	7.072	635.8	2086.	.3315	-.0089	13490.
Elem	Ni2316 (Y_2243)	Pb2203 (In2306)	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)
IS Ref								
Avg	.0031	.0056	.0043	-0.0195	6.003	-0.0027	11.53	.0031
Stddev	.0017	.0112	.0075	.0165	.018	.0033	.07	.0003
%RSD	53.31	201.2	176.4	84.65	.3046	122.1	.6190	10.60
#1	.0014	-.0072	.0122	-.0005	5.988	.0011	11.45	.0030
#2	.0032	.0139	.0033	-.0279	5.998	-.0052	11.58	.0035
#3	.0047	.0100	-.0027	-.0301	6.023	-.0041	11.57	.0029
Elem	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)					
IS Ref								
Avg	-0.0002	-0.0001	-0.1432					
Stddev	.0124	.0031	.0002					
%RSD	5262.	2844.	.1331					
#1	.0109	.0002	.1434					
#2	.0020	.0028	.1433					
#3	-.0136	-.0033	.1430					

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7.1
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Sample Name: FA32103-2F Acquired: 3/23/2016 9:36:08 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2142.0	4888.2	35053.	4031.8
Stddev	4.7	5.3	51.	33.7
%RSD	.22082	.10943	.14469	.83488
#1	2147.2	4894.1	35081.	4068.1
#2	2140.9	4887.0	34994.	4025.5
#3	2137.9	4883.6	35083.	4001.7

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Sample Name: FA32103-3F Acquired: 3/23/2016 9:40:40 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)
IS Ref								
Avg	-0.0014	.0836	.0038	.0635	-0.0006	630.1	-0.0016	.0017
Stddev	.0033	.0827	.0078	.0023	.0007	2.1	.0002	.0013
%RSD	238.1	98.82	204.5	3.602	105.9	.3405	13.62	75.60
#1	-.0024	.0426	-.0046	.0609	-.0013	632.1	-.0014	.0005
#2	-.0040	.1788	.0051	.0644	-.0001	627.9	-.0016	.0030
#3	.0023	.0295	.0110	.0652	-.0007	630.2	-.0019	.0016
Elem	Cr2677 (Y_3600)	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)
IS Ref								
Avg	.0095	.0079	.3880	571.7	1924.	.2391	-0.0071	F 11580.
Stddev	.0027	.0022	.0186	3.0	7.	.0009	.0013	155.
%RSD	28.47	27.91	4.789	.5265	.3547	.3673	17.79	1.338
#1	.0064	.0103	.4019	573.8	1928.	.2401	-.0057	11710.
#2	.0113	.0060	.3669	568.2	1916.	.2385	-.0073	11410.
#3	.0109	.0074	.3952	573.1	1928.	.2388	-.0083	11620.
Elem	Ni2316 (Y_2243)	Pb2203 (In2306)	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)
IS Ref								
Avg	.0025	.0025	.0000	-0.0030	8.221	-0.0031	10.50	.0037
Stddev	.0008	.0026	.008	.0281	.043	.0006	.03	.0008
%RSD	34.15	104.1	27530.	944.1	.5280	19.37	.2433	20.87
#1	.0035	.0046	-.0091	.0288	8.267	-.0029	10.53	.0040
#2	.0019	.0033	.0056	-.0130	8.181	-.0037	10.48	.0042
#3	.0021	-.0004	.0034	-.0247	8.216	-.0026	10.49	.0028
Elem	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)					
IS Ref								
Avg	-0.0096	-0.0042	.0831					
Stddev	.0169	.0024	.0009					
%RSD	175.5	56.26	1.032					
#1	-.0133	-.0069	.0838					
#2	-.0243	-.0028	.0821					
#3	.0088	-.0029	.0833					

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Sample Name: FA32103-3F Acquired: 3/23/2016 9:40:40 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2153.4	4924.4	3500.2	4012.7
Stddev	4.9	5.4	245.	28.2
%RSD	.22905	.10962	.70071	.70258
#1	2158.9	4921.5	3499.2	3986.2
#2	2152.0	4921.0	3525.2	4042.3
#3	2149.4	4930.6	3476.2	4009.7

Sample Name: FA32103-2 Acquired: 3/23/2016 9:45:14 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	.0028	.1038	-0.064	.1834	-0.003	781.1	-0.012	.0012
Stddev	.0036	.0436	.0036	.0052	.0004	3.6	.0005	.0010
%RSD	129.3	42.06	55.96	2.832	155.0	.4559	43.56	79.28
#1	.0022	.1115	-0.067	.1797	.0002	777.7	-0.011	.0007
#2	-0.005	.0568	-0.098	.1812	-0.006	780.7	-0.017	.0006
#3	.0067	.1430	-0.027	.1894	-0.005	784.8	-0.007	.0024
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	-0.005	.0038	9.434	660.3	2156.	.3334	-0.077	F 12100.
Stddev	.0027	.0030	.051	3.7	16.	.0018	.0011	60.
%RSD	576.2	80.86	.5360	.5648	.7222	.5480	14.46	.4973
#1	-0.024	.0003	9.385	656.4	2138.	.3317	-0.064	12040.
#2	-0.026	.0062	9.432	660.7	2159.	.3353	-0.084	12150.
#3	-0.016	.0048	9.486	663.8	2169.	.3332	-0.083	12110.
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sr4077	Ti3349	
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3600)	
Avg	.0009	-0.010	.0022	-0.100	6.219	-0.025	11.85	
Stddev	.0021	.0069	.0082	.0038	.001	.0035	.06	
%RSD	234.2	655.7	376.5	38.07	.0177	140.0	.5402	
#1	-0.008	-0.090	.0090	-0.111	6.218	-0.010	11.79	
#2	.0003	.0035	-0.069	-0.130	6.220	-0.065	11.86	
#3	.0033	.0023	.0043	-0.057	6.219	.0000	11.91	
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	-0.074	.0011	-0.105					
Stddev	.0083	.0024	.0006					
%RSD	111.2	212.9	.5357					
#1	-0.041	.0036	.1040					
#2	-0.014	.0010	.1044					
#3	-0.168	-0.012	.1051					

7.1
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Sample Name: FA32103-2 Acquired: 3/23/2016 9:45:14 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2134.8	4871.7	3460.5	3906.9
Stddev	.4	7.2	189.	34.0
%RSD	.01886	.14725	.54541	.87039
#1	2135.1	4880.0	3477.6	3941.5
#2	2135.0	4867.6	3463.7	3905.6
#3	2134.4	4867.6	3440.3	3873.6

Sample Name: FA32103-3 Acquired: 3/23/2016 9:49:47 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	.0011	.0827	-0.069	.0587	-0.008	588.2	-0.016	.0006
Stddev	.0058	.0178	.0052	.0044	.0012	1.1	.0007	.0017
%RSD	521.8	21.56	75.60	7.464	137.3	.1947	44.82	269.1
#1	.0001	.1031	-0.010	.0630	-0.010	589.1	-0.009	.0019
#2	.0073	.0706	-0.091	.0588	-0.019	588.6	-0.017	.0013
#3	-0.041	.0743	-0.108	.0542	.0004	586.9	-0.023	-0.013
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.0059	.0050	2.400	541.8	1804.	.2277	-0.085	F 10520.
Stddev	.0027	.0029	.004	.7	2.	.0014	.0003	120.
%RSD	45.74	57.69	.1814	.1317	.1034	.5936	3.363	1.141
#1	.0031	.0033	2.399	541.3	1803.	.2269	-0.083	10470.
#2	.0084	.0033	2.396	542.6	1803.	.2293	-0.085	10420.
#3	.0061	.0083	2.405	541.5	1806.	.2270	-0.088	10650.
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sr4077	Ti3349	
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3600)	
Avg	.0019	-0.009	.0067	.0056	7.711	-0.025	9.810	
Stddev	.0004	.0004	.0094	.0099	.011	.0033	.020	
%RSD	21.38	4.013	139.7	175.5	.1387	133.7	.2047	
#1	.0021	-.0103	.0029	.0016	7.701	-0.004	9.823	
#2	.0022	-.0095	-0.002	.0169	7.722	-0.008	9.821	
#3	.0015	-.0097	.0174	-.0016	7.709	-0.063	9.787	
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	-0.108	-0.038	-0.1023					
Stddev	.0134	.0046	.0004					
%RSD	123.9	121.4	.4195					
#1	-0.251	-0.044	.1019					
#2	-0.087	.0011	.1023					
#3	.0014	-0.081	.1028					

Sample Name: FA32103-3 Acquired: 3/23/2016 9:49:47 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2184.1	4934.4	35371.	3955.6
Stddev	2.0	17.6	90.	2.7
%RSD	.09253	.35610	.25446	.06802
#1	2185.9	4953.3	35431.	3954.0
#2	2181.9	4918.5	35267.	3954.1
#3	2184.4	4931.5	35414.	3958.7

Sample Name: JC16359-3 Acquired: 3/23/2016 9:54:20 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0036	73.92	16.16	2.811	.0071	11.80	.0012	.0934	.2299
Stddev	.0003	.05	.0008	.0020	.0002	.04	.0001	.0002	.0010
%RSD	7.737	.0685	.5157	.7061	3.309	.3563	7.539	.1938	.4469
#1	-.0033	73.88	.1624	.2825	.0073	11.80	.0011	.0933	.2288
#2	-.0037	73.91	.1608	.2789	.0069	11.75	.0013	.0936	.2309
#3	-.0039	73.98	.1617	.2820	.0070	11.84	.0013	.0933	.2299
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2610	552.4	22.74	37.86	2.976	.0211	2.600	.2004	.0637
Stddev	.0011	1.3	.07	.13	.006	.0003	.037	.0002	.0030
%RSD	.4166	.2428	.2978	.3424	.2069	1.527	1.414	.0938	4.683
#1	.2623	552.4	22.74	37.86	2.971	.0209	2.639	.2002	.0617
#2	.2603	551.1	22.66	38.12	2.974	.0215	2.595	.2003	.0622
#3	.2606	553.8	22.80	38.01	2.983	.0210	2.566	.2006	.0671
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0056	-0.0066	2.253	.0232	.1592	2.254	-0.041	.6370	.8312
Stddev	.0018	.0036	.004	.0004	.0008	.006	.0007	.0013	.0021
%RSD	32.21	54.45	.1796	1.648	.4917	.2660	15.90	.2077	.2512
#1	.0040	-.0107	2.255	.0229	.1593	2.252	-.0034	.6360	.8331
#2	.0076	-.0047	2.249	.0231	.1584	2.260	-.0046	.6385	.8289
#3	.0053	-.0043	2.256	.0237	.1599	2.248	-.0043	.6364	.8315
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2818.9	6259.9	46769.	4660.8					
Stddev	2.8	10.5	100.	18.8					
%RSD	.10030	.16815	.21352	.40351					
#1	2819.2	6269.0	46694.	4649.5					
#2	2819.2	6269.0	46694.	4649.5					
#3	2816.0	6248.4	46883.	4650.4					

7.1
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Sample Name: JC16359-6 Acquired: 3/23/2016 9:58:38 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.0044	127.5	.1226	.4410	.0162	10.38	.0009	.1055	.6706
Stddev	.0011	.5	.0011	.0027	.0000	.05	.0004	.0001	.0009
%RSD	24.64	.3820	.8932	.6077	.2806	.5157	46.28	.0836	.1369
#1	-.0051	127.1	.1224	.4394	.0162	10.32	.0011	.1055	.6714
#2	-.0051	127.4	.1238	.4395	.0162	10.43	.0004	.1055	.6696
#3	-.0032	128.1	.1217	.4441	.0161	10.39	.0011	.1056	.6708
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2427	734.9	16.99	29.41	3.020	.0109	1.593	2.402	.1045
Stddev	.0018	2.5	.14	.34	.004	.0002	.004	.0004	.0017
%RSD	.7293	.3354	.8422	1.150	.1169	1.723	.2647	.1840	1.588
#1	.2409	732.1	16.90	29.02	3.023	.0107	1.588	.2400	.1035
#2	.2444	736.7	16.92	29.56	3.016	.0110	1.596	.2399	.1035
#3	.2427	735.8	17.16	29.65	3.021	.0111	1.595	.2407	.1064
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0066	-0.0022	3.700	.0252	.0996	2.194	-0.024	.5893	.8246
Stddev	.0005	.0022	.008	.0005	.0003	.006	.0038	.0014	.0012
%RSD	7.935	99.48	.2210	1.956	.2535	.2622	160.4	.2405	.1467
#1	.0063	-.0047	3.698	.0250	.0994	2.194	.0009	.5903	.8241
#2	.0063	-.0007	3.692	.0258	.0996	2.199	-.0015	.5899	.8260
#3	.0072	-.0012	3.708	.0248	.0999	2.188	-.0066	.5876	.8237
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2824.6	6404.8	47489.	4670.3					
Stddev	4.3	13.3	151.	37.5					
%RSD	.15185	.20824	.31789	.80304					
#1	2820.8	6390.2	47322.	4708.6					
#2	2823.6	6416.4	47531.	4668.8					
#3	2829.2	6407.8	47615.	4633.6					

Sample Name: JC16359-8 Acquired: 3/23/2016 10:07:12 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0046	87.00	1.862	2.635	.0133	3.506	.0022	.0887	.4777
Stddev	.0004	.35	.0008	.0007	.0001	.028	.0001	.0002	.0018
%RSD	8.099	.4079	.4301	.2622	.9166	.8111	3.547	.2689	.3801
#1	-.0046	87.40	.1860	.2643	.0134	3.535	.0022	.0889	.4788
#2	-.0049	86.82	.1870	.2630	.0134	3.478	.0023	.0884	.4756
#3	-.0042	86.76	.1855	.2632	.0132	3.505	.0022	.0887	.4787
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5181	702.1	11.61	27.61	2.566	.0310	1.337	2.098	.0949
Stddev	.0024	3.8	.05	.19	.005	.0002	.009	.0002	.0007
%RSD	.4600	.5392	.4695	.6711	.1972	.7210	.6796	.0805	.7651
#1	.5207	706.5	11.67	27.76	2.560	.0312	1.336	.2097	.0956
#2	.5175	699.6	11.56	27.40	2.570	.0310	1.328	.2097	.0950
#3	.5161	700.4	11.62	27.68	2.568	.0307	1.346	.2100	.0941
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0054	-0.0003	2.523	.0294	.0940	1.237	-0.022	.6360	.9404
Stddev	.0007	.0025	.004	.0006	.0003	.000	.0021	.0019	.0024
%RSD	12.37	917.2	.1775	1.970	.2910	.0321	92.35	.2926	.2569
#1	.0052	-.0018	2.522	.0298	.0940	1.237	-.0043	.6340	.9377
#2	.0048	-.0016	2.520	.0287	.0943	1.237	-.0022	.6366	.9423
#3	.0061	.0026	2.529	.0295	.0938	1.238	-.0002	.6375	.9412
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2860.2	6199.7	46384.	4501.8					
Stddev	4.6	7.3	98.	36.6					
%RSD	.16097	.11731	.21230	.81327					
#1	2855.0	6195.7	46270.	4459.6					
#2	2863.7	6208.1	46444.	4524.7					
#3	2861.9	6195.4	46437.	4521.1					

Sample Name: JC16386-3 Acquired: 3/23/2016 10:11:29 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.038	55.41	1528	2374	0.073	1.913	0.007	0.0863	1.986
Stddev	.0005	.38	.0006	.0015	.0002	.005	.0005	.0002	.0011
%RSD	14.03	.6829	.3710	.6294	2.591	.2861	77.02	.2469	.5553
#1	-.0032	55.55	.1531	.2371	.0072	1.909	.0005	.0862	1.975
#2	-.0039	55.70	.1531	.2390	.0075	1.910	.0003	.0865	1.997
#3	-.0042	54.98	.1521	.2361	.0072	1.919	.0013	.0861	1.986
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.273	566.7	9.298	20.24	3.150	0.211	8.071	1.150	0.615
Stddev	.0003	2.9	.007	.09	.013	.0003	.0172	.0005	.0011
%RSD	.1297	.5200	.0793	.4588	.4019	1.243	2.133	.3251	1.744
#1	.2275	567.8	9.293	20.21	3.137	.0208	.7940	.1545	.0627
#2	.2270	568.9	9.293	20.34	3.162	.0213	.8007	.1548	.0606
#3	.2275	565.3	9.306	20.16	3.150	.0211	.8266	.1555	.0612
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(In2306)
Avg	0.053	-0.024	2.999	0.242	0.0467	1.023	-0.039	4.843	0.6268
Stddev	.0004	.0048	.006	.0006	.0002	.001	.0024	.0013	.0006
%RSD	7.006	199.7	.2034	2.520	.4395	.1232	62.88	.2669	.0939
#1	.0054	.0022	2.992	.0248	.0468	1.021	-.0022	.4834	.6263
#2	.0049	-.0021	3.001	.0236	.0469	1.023	-.0066	.4858	.6274
#3	.0057	-.0073	3.004	.0243	.0465	1.023	-.0028	.4837	.6267
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2879.6	6275.7	47126	4584.5					
Stddev	3.9	3.6	125.	33.7					
%RSD	.13545	.05789	.26627	.73519					
#1	2882.8	6278.8	47248.	4567.4					
#2	2880.7	6271.7	47132.	4562.8					
#3	2875.2	6276.7	46998.	4623.4					

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Sample Name: CCV Acquired: 3/23/2016 10:15:48 Type: QC
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.592	40.61	2.011	2.019	2.008	40.65	2.043	2.033	2.055
Stddev	.0009	.05	.002	.005	.006	.15	.005	.005	.011
%RSD	.3449	.1289	.0858	.2265	.3070	.3783	.2252	.2240	.5252
#1	.2588	40.65	2.011	2.024	2.015	40.83	2.043	2.035	2.067
#2	.2602	40.55	2.013	2.017	2.004	40.57	2.047	2.037	2.045
#3	.2586	40.62	2.009	2.016	2.005	40.55	2.038	2.028	2.054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.022	39.19	40.81	40.59	2.081	2.015	40.56	2.039	2.009
Stddev	.006	.15	.24	.09	.004	.003	.15	.005	.004
%RSD	.2784	.3776	.5986	.2259	.1690	.1645	.3618	.2396	.2017
#1	2.024	39.36	41.08	40.70	2.085	2.017	40.72	2.040	2.010
#2	2.026	39.09	40.72	40.53	2.078	2.016	40.49	2.043	2.005
#3	2.016	39.13	40.62	40.56	2.080	2.011	40.45	2.033	2.013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.001	2.011	2.482	2.051	2.021	2.044	2.019	2.042	2.055
Stddev	.007	.010	.005	.004	.009	.005	.003	.004	.006
%RSD	.3638	.5032	.1858	.2102	.4213	.2452	.1224	.1777	.2973
#1	2.008	2.020	2.486	2.050	2.030	2.049	2.017	2.046	2.055
#2	2.001	2.011	2.482	2.056	2.019	2.040	2.021	2.041	2.062
#3	1.993	2.000	2.477	2.048	2.014	2.018	2.018	2.039	2.049
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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7.1
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Sample Name: CCV Acquired: 3/23/2016 10:15:48 Type: QC
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2575.3	5640.0	42080.	4143.0
Stddev	6.9	8.2	372.	15.4
%RSD	.26925	.14620	.88443	.37284
#1	2581.5	5648.9	41691.	4148.8
#2	2576.6	5632.6	42432.	4154.8
#3	2567.8	5638.5	42118.	4125.5

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Sample Name: CCB Acquired: 3/23/2016 10:20:00 Type: QC
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.001	0.008	0.001	0.001	0.002	0.093	0.001	0.001	-0.002
Stddev	.0003	.0084	.0006	.0004	.0001	.0014	.0000	.0001	.0001
%RSD	291.3	1028.	387.1	708.5	36.74	15.19	60.65	143.4	34.83
#1	.0002	.0104	-.0005	-.0004	.0004	.0094	.0001	.0001	-.0003
#2	.0003	-.0050	.0005	.0001	.0002	.0107	.0000	.0000	-.0001
#3	-.0003	-.0030	.0004	.0004	.0002	.0078	.0000	.0001	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.132	0.1077	-0.0028	0.002	0.002	0.778	0.001	0.006
Stddev	.0001	.0051	.0553	.0183	.0000	.0002	.0157	.0001	.0002
%RSD	81.80	38.72	51.35	651.5	12.31	130.6	20.17	57.77	38.66
#1	-.0002	.0190	.0857	.0177	.0002	.0004	.0957	.0002	.0008
#2	-.0001	.0094	.1707	-.0086	.0002	.0002	.0711	.0000	.0004
#3	.0000	.0113	.0669	-.0175	.0002	.0000	.0665	.0002	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.003	0.003	0.004	-0.003	0.004	0.001	-0.009	0.003	-0.005
Stddev	.0005	.0001	.0000	.0001	.0001	.0001	.0005	.0001	.0001
%RSD	159.3	42.53	11.22	48.07	29.25	125.5	49.75	23.95	11.33
#1	.0007	.0003	.0004	-.0003	.0003	.0002	-.0005	.0004	-.0004
#2	.0005	.0002	.0004	-.0002	.0005	.0001	-.0014	.0003	-.0005
#3	-.0002	.0004	.0005	-.0005	.0003	.0000	-.0009	.0004	-.0005
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 3/23/2016 10:20:00 Type: QC
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2993.3	5889.4	44242.	4183.4
Stddev	1.8	14.2	46.	17.4
%RSD	.06058	.24173	.10496	.41695
#1	2993.7	5875.5	44254.	4203.5
#2	2991.3	5888.7	44191.	4173.0
#3	2994.9	5903.9	44281.	4173.5

Sample Name: JC16386-4 Acquired: 3/23/2016 10:24:30 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0032	91.83	1842.	4704.	0.0080	5.457	-0.0006	1.027	2872
Stddev	.0012	.23	.0004	.0018	.0001	.030	.0002	.0003	.0013
%RSD	36.77	.2474	.2217	.3896	.9963	.5543	31.24	.2967	.4591
#1	-0.019	91.57	1845.	4682.	.0079	5.460	-0.0004	1.023	2859
#2	-0.041	91.99	1838.	4713.	.0080	5.425	-0.0007	1.030	2885
#3	-0.037	91.93	1844.	4715.	.0080	5.485	-0.0006	1.027	2871
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(In2306)
Avg	2564	505.4	15.81	44.14	3.547	0.187	1.437	2.333	0.917
Stddev	.0002	1.6	.07	.17	.005	.0003	.008	.0005	.0034
%RSD	.0849	.3192	.4509	.3848	.1547	1.337	.5875	.2060	3.705
#1	.2562	503.7	15.74	43.95	3.541	.0186	1.433	.2336	.0949
#2	.2566	505.5	15.83	44.18	3.551	.0190	1.432	.2328	.0921
#3	.2564	506.9	15.88	44.28	3.550	.0186	1.447	.2337	.0881
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0080	-0.0029	3.011	0.0210	0.1003	1.869	-0.0019	4.107	7.945
Stddev	.0005	.0014	.004	.0003	.0002	.003	.0035	.0006	.0009
%RSD	6.546	48.70	.1392	1.266	.2032	.1787	183.2	1.422	1.179
#1	.0086	-0.0044	3.007	.0210	.1004	1.868	-0.0020	4.104	7.948
#2	.0076	-0.017	3.015	.0207	.1000	1.872	.0016	4.114	7.952
#3	.0078	-0.0025	3.011	.0212	.1003	1.866	-0.0054	4.105	7.934
Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710					
Stddev	2812.0	6138.0	45962.	4515.0					
%RSD	5.4	2.2	182.	29.7					
#1	2817.4	6136.5	46094.	4539.0					
#2	2806.7	6140.5	45754.	4524.1					
#3	2811.9	6137.1	46037.	4481.9					

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Sample Name: FA32351-1 Acquired: 3/23/2016 10:28:49 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 20.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.184	909.9	1.137	8.653	0.524	102.2	-0.028	0.542	4.286
Stddev	.0029	2.9	.0148	.029	.0006	.5	.0003	.0019	.012
%RSD	15.99	.3191	13.06	.3374	1.167	4.464	10.94	3.417	2.772
#1	-0.157	912.7	1.099	8.686	0.519	102.7	-0.031	0.555	4.281
#2	-0.181	906.9	1.300	8.630	0.531	101.8	-0.025	0.550	4.300
#3	-0.215	910.2	1.011	8.643	0.521	102.0	-0.027	0.521	4.278
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.670	375.8	18.31	50.34	2.112	-0.160	3.166	2.246	6.723
Stddev	.0019	1.1	.31	.45	.0002	.0019	.072	.0034	.0095
%RSD	2.890	.2979	1.705	.8914	.1113	12.09	2.276	1.494	1.418
#1	.0662	376.9	18.47	50.47	.2113	-0.0139	3.248	.2261	.6708
#2	.0656	374.6	18.51	49.84	.2114	-0.0165	3.113	.2269	.6637
#3	.0692	375.9	17.95	50.71	.2110	-0.0177	3.137	.2208	.6826
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0294	-0.0127	7.847	0.0274	17.15	1.234	-0.0374	1.587	5.635
Stddev	.0125	.0346	.026	.0056	.06	.004	.0186	.008	.0013
%RSD	42.34	272.3	.3259	20.47	.3357	.2801	49.77	.5083	2.350
#1	-0.0202	-0.0169	7.818	.0301	17.21	1.234	-0.0286	1.581	5.649
#2	-0.0246	-0.0507	7.867	.0210	17.10	1.237	-0.0248	1.596	5.632
#3	-0.0436	-0.0043	7.855	.0312	17.13	1.230	-0.0587	1.584	5.623
Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710					
Stddev	2884.7	6576.2	49355.	4753.5					
%RSD	3.9	8.0	121.	46.0					
#1	2884.8	6576.9	49439.	4731.1					
#2	2880.6	6567.8	49217.	4806.5					
#3	2888.5	6583.9	49410.	4723.0					

Sample Name: FA32351-2 Acquired: 3/23/2016 10:33:08 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 20.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0044	515.4	0.742	4.613	0.185	81.47	-0.0016	0.156	1.477
Stddev	.0057	1.9	.0059	.014	.0004	.25	.0005	.0018	.008
%RSD	128.2	.3724	7.902	.3114	2.104	.3115	30.20	11.33	5.614
#1	-0.0092	514.6	.0809	4.598	.0185	81.35	-0.0017	.0175	1.474
#2	.0018	513.9	.0700	4.615	.0181	81.29	-0.0021	.0141	1.487
#3	-0.0059	517.5	.0716	4.626	.0189	81.76	-0.0011	.0152	1.471
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.727	55.78	16.01	12.63	0.798	-0.0149	1.981	1.110	7.483
Stddev	.0032	.18	.65	.19	.0004	.0010	.110	.0028	.0017
%RSD	4.441	.3238	4.075	1.508	.5518	7.032	5.530	2.506	2.260
#1	.0721	55.64	15.28	12.83	.0793	-0.0147	2.096	1.132	7.463
#2	.0699	55.73	16.55	12.45	.0799	-0.0140	1.970	1.119	7.491
#3	.0762	55.99	16.18	12.62	.0802	-0.0160	1.878	1.078	7.494
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0181	-0.0187	4.764	0.134	11.90	3.978	-0.0180	9.535	1.953
Stddev	.0179	.0090	.030	.0104	.03	.0020	.0178	.0015	.0015
%RSD	98.85	48.20	.6300	78.13	.2551	.5127	98.34	1.621	.7564
#1	.0013	-0.0135	4.751	.0233	11.88	3.999	-0.0033	9.535	1.937
#2	-0.0340	-0.0291	4.799	.0025	11.89	3.977	-0.0131	9.551	1.957
#3	-0.0218	-0.0135	4.743	.0144	11.94	3.958	-0.0378	9.520	1.966
Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710					
Stddev	2936.3	6571.8	48886.	4742.6					
%RSD	7.2	7.7	168.	40.4					
#1	2931.6	6573.2	48999.	4763.2					
#2	2932.8	6563.5	48693.	4768.5					
#3	2944.6	6578.7	48967.	4696.1					

Sample Name: FA32351-3 Acquired: 3/23/2016 10:37:30 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 20.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.024	14.04	-0.211	0.632	0.012	7011.	0.075	0.087	2.345
Stddev	0.096	.24	.0148	.0089	.0022	81.	.0008	.0030	.0036
%RSD	410.0	1.686	69.85	14.17	176.9	1.162	10.19	34.39	1.553
#1	-0.074	13.79	-0.367	.0717	-0.003	7057.	.0080	.0059	.2304
#2	-0.088	14.27	-0.193	.0638	.0037	7059.	.0066	.0084	.2372
#3	-0.084	14.07	-0.074	.0539	.0002	6917.	.0079	.0119	.2360
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.140	8.748	3.515	57.81	7.824	-0.135	3.835	0.446	0.245
Stddev	.0017	.064	.229	.56	.0061	.0015	.143	.0017	.0209
%RSD	12.31	.7265	6.520	.9706	.7834	10.80	3.740	3.903	85.17
#1	.0121	8.775	3.629	57.18	.7765	-0.124	3.943	.0437	.0285
#2	.0154	8.793	3.251	58.27	.7821	-0.152	3.890	.0467	.0432
#3	.0147	8.675	3.666	57.97	.7887	-0.131	3.672	.0436	.0019
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(In2306)
Avg	-0.258	-0.383	3.117	0.108	5.726	0.1239	0.000	0.2275	0.1572
Stddev	.0186	.0224	.020	.0034	.030	.0040	.016	.0011	.0013
%RSD	71.99	58.36	6.500	31.27	5.274	3.259	7999.0	.4861	80.12
#1	-0.454	-0.125	3.095	.0103	5.755	.1283	.0166	.2288	.1565
#2	-0.084	-0.501	3.135	.0077	5.729	.1230	-0.158	.2267	.1587
#3	-0.236	-0.524	3.120	.0144	5.695	.1204	-0.009	.2271	.1565
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2562.5	5501.1	40815.	4141.9					
Stddev	.7	4.5	58.	41.0					
%RSD	.02574	.08132	.14111	.99036					
#1	2562.3	5502.2	40824.	4146.7					
#2	2562.0	5496.2	40753.	4098.7					
#3	2563.2	5504.9	40868.	4180.3					

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Sample Name: JC16359-7 Acquired: 3/23/2016 10:42:58 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 4.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.062	102.5	3.227	4.336	0.137	6.366	-0.019	1.386	4.811
Stddev	.0011	.4	.0022	.0016	.0002	.059	.0002	.0006	.0024
%RSD	17.89	.3695	6.881	.3618	1.488	.9335	13.05	.4292	4.989
#1	-0.049	102.6	3.236	4.318	.0139	6.401	-0.021	1.392	4.785
#2	-0.070	102.1	3.202	4.347	.0137	6.297	-0.016	1.385	4.832
#3	-0.066	102.9	3.243	4.344	.0135	6.399	-0.020	1.380	4.816
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5.426	906.0	17.04	31.43	2.890	0.296	2.886	3.490	2.088
Stddev	.0020	2.7	.16	.18	.009	.0003	.004	.0011	.0022
%RSD	.3765	.3034	.9413	.5648	.2981	1.036	.1567	.3154	1.068
#1	5.407	907.6	17.11	31.62	2.890	.0293	2.886	3.490	2.088
#2	5.424	902.9	16.86	31.27	2.899	.0296	2.890	3.471	2.044
#3	5.448	907.6	17.16	31.40	2.882	.0299	2.881	3.491	2.064
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(In2306)
Avg	0.121	-0.126	4.125	0.0510	2.406	1.622	-0.0018	0.7236	1.012
Stddev	.0027	.0022	.010	.0014	.0013	.004	.0019	.0022	.003
%RSD	21.85	17.51	2.460	2.779	.5506	.2215	100.7	.3056	.2581
#1	.0136	-0.107	4.115	.0523	.2411	1.619	-0.006	.7217	1.015
#2	.0137	-0.120	4.125	.0511	.2391	1.626	-0.009	.7261	1.011
#3	.0091	-0.150	4.136	.0495	.2416	1.621	-0.040	.7230	1.011
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2866.2	6136.6	45889.	4396.9					
Stddev	2.0	11.2	209.	38.3					
%RSD	.06927	.18186	.45587	.87179					
#1	2868.0	6149.5	45966.	4365.6					
#2	2866.6	6131.2	45652.	4439.6					
#3	2864.1	6129.2	46048.	4385.5					

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7.1
7

Sample Name: CCV Acquired: 3/23/2016 10:47:19 Type: QC
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.607	40.87	2.026	2.045	2.012	40.72	2.067	2.063	2.059
Stddev	.0003	.11	.004	.008	.004	.06	.004	.000	.013
%RSD	.1221	.2748	.2110	.3890	.1921	.1386	.1737	.0196	.6188
#1	.2609	40.80	2.022	2.043	2.011	40.68	2.067	2.063	2.072
#2	.2603	41.00	2.025	2.054	2.016	40.78	2.063	2.063	2.057
#3	.2609	40.81	2.031	2.038	2.008	40.69	2.070	2.064	2.047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.031	39.36	40.99	40.41	2.084	2.045	40.73	2.058	2.018
Stddev	.004	.14	.20	.09	.005	.003	.14	.003	.002
%RSD	.2193	.3602	.4937	.2308	.2406	.1594	.3378	.1222	.1169
#1	2.036	39.30	40.97	40.35	2.090	2.041	40.67	2.057	2.020
#2	2.029	39.52	41.21	40.52	2.083	2.046	40.88	2.056	2.015
#3	2.029	39.25	40.81	40.37	2.080	2.048	40.62	2.061	2.018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.028	2.033	2.519	2.065	2.019	2.033	2.029	2.040	2.062
Stddev	.006	.008	.005	.003	.009	.007	.005	.005	.005
%RSD	.3218	.3897	.2010	.1544	.4369	.3348	.2403	.2345	.2492
#1	2.020	2.025	2.513	2.062	2.016	2.041	2.033	2.045	2.064
#2	2.031	2.033	2.522	2.063	2.028	2.032	2.023	2.036	2.056
#3	2.032	2.041	2.521	2.068	2.011	2.027	2.030	2.039	2.065
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 3/23/2016 10:47:19 Type: QC
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2558.3	5572.4	42190.	4134.5
Stddev	2.8	6.1	331.	11.9
%RSD	.10958	.10940	.78538	.28734
#1	2556.7	5573.8	41809.	4146.8
#2	2561.6	5577.7	42408.	4123.1
#3	2556.7	5565.7	42354.	4133.6

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Sample Name: CCB Acquired: 3/23/2016 10:51:29 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0088	.0000	.0000	.0003	.0076	.0000	.0001	-0.001
Stddev	.000	.0175	.0006	.0001	.0001	.0004	.0000	.0001	.0001
%RSD	14610.	198.9	6639.	179.0	29.76	5.814	126.3	85.46	104.7

#1 -.0002 .0286 .0002 .0001 .0005 .0080 .0000 .0003 -.0001
 #2 .0003 -.0043 .0005 .0000 .0003 .0077 .0001 .0001 -.0003
 #3 -.0001 .0020 -.0007 .0000 .0003 .0071 .0000 .0000 -.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0084	.0733	-.0118	.0002	.0003	.0665	.0000	.0005
Stddev	.0002	.0034	.0506	.0360	.0000	.0002	.0100	.0002	.0009
%RSD	68.69	40.49	68.97	304.8	7.340	64.57	15.01	36380.	175.1

#1 .0003 .0109 .0888 .0295 .0002 .0004 .0583 .0002 .0001
 #2 .0004 .0097 .1144 -.0363 .0002 .0003 .0634 -.0002 .0015
 #3 .0001 .0045 .0168 -.0286 .0002 .0001 .0776 .0000 -.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0003	.0005	-.0002	.0003	.0000	-.0003	.0001	-.0005
Stddev	.0003	.0011	.0006	.0001	.0001	.0001	.0003	.0001	.0001
%RSD	54.57	384.6	123.8	61.02	35.54	168.8	111.2	91.66	14.03

#1 .0002 -.0009 .0012 -.0002 .0004 .0001 .0000 .0000 -.0005
 #2 .0004 .0013 .0002 -.0002 .0003 .0001 -.0002 .0001 -.0004
 #3 .0008 .0005 .0001 -.0001 .0002 .0000 -.0006 .0002 -.0004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/23/2016 10:51:29 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2977.2	5895.2	44408.	4269.7
Stddev	3.4	12.9	120.	25.0
%RSD	.11497	.21921	.27027	.58457

#1 2980.7 5908.8 44360. 4242.8
 #2 2973.9 5883.0 44544. 4274.2
 #3 2977.0 5893.8 44319. 4292.1

7.1
7

Sample Name: MP30157-MB1 Acquired: 3/23/2016 11:13:05 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0047	-.0011	-.0002	.0000	.0079	-.0001	-.0001	-.0004
Stddev	.0003	.0102	.0005	.0003	.000	.0016	.0000	.0001	.0001
%RSD	572.4	216.8	48.40	149.0	68.44	19.87	1.195	97.18	20.56

#1 -.0004 .0138 -.0016 .0000 .0000 .0097 -.0001 -.0002 -.0005
 #2 .0001 -.0063 -.0005 .0000 -.0001 .0069 -.0001 .0000 -.0003
 #3 .0002 .0065 -.0013 -.0005 .0000 .0070 -.0001 -.0001 -.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0027	-.0051	.0085	.0009	.0000	-.0006	.0557	-.0001	.0005
Stddev	.0002	.0008	.0046	.0157	.000	.0001	.0085	.0001	.0005
%RSD	7.980	15.46	54.52	1740.	84.17	13.98	15.32	97.53	105.4

#1 .0026 -.0058 .0052 .0113 .0000 .0006 .0507 .0001 .0005
 #2 .0030 -.0054 .0065 -.0172 .0000 .0007 .0509 .0001 .0000
 #3 .0026 -.0043 .0137 .0086 .0000 .0006 .0656 .0000 .0010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	-.0023	.0059	-.0003	-.0001	-.0004	-.0010	.0000	.0011
Stddev	.0002	.0009	.0001	.0001	.0002	.0001	.0014	.000	.0001
%RSD	59.69	38.01	1.861	43.61	289.4	13.34	145.9	242.0	6.208

#1 -.0004 -.0032 .0060 -.0002 .0001 .0004 .0002 .0000 .0010
 #2 -.0001 -.0015 .0058 -.0004 -.0001 -.0005 -.0001 -.0001 .0011
 #3 -.0004 -.0021 .0058 -.0003 -.0002 -.0004 -.0026 .0000 .0010

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30157-MB1 Acquired: 3/23/2016 11:13:05 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2974.8	5887.3	44562.	4194.1
Stddev	7.3	15.8	83.	10.9
%RSD	.24597	.26829	.18688	.25965

#1 2982.6 5899.9 44652. 4203.0
 #2 2973.6 5892.5 44546. 4197.5
 #3 2968.1 5869.6 44488. 4182.0

Sample Name: MP30157-B1 Acquired: 3/23/2016 11:17:33 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0503	30.09	2.076	2.151	.0545	27.93	.0541	.5361	.2209
Stddev	.0003	.04	.004	.003	.0002	.04	.0001	.0006	.0007
%RSD	.6532	.1480	.1874	.1363	.3896	.1442	.2430	.1172	.3164
#1	.0500	30.04	2.080	2.151	.0543	27.97	.0541	.5368	.2203
#2	.0506	30.12	2.075	2.149	.0546	27.92	.0539	.5355	.2216
#3	.0504	30.11	2.072	2.154	.0547	27.89	.0542	.5360	.2206

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2745	28.73	27.89	28.29	.5620	.5260	27.89	.5442	.5166
Stddev	.0004	.06	.02	.07	.0019	.0006	.04	.0006	.0041
%RSD	.1299	.2007	.0638	.2371	.3339	.1136	.1607	.1096	.8016
#1	.2741	28.78	27.88	28.30	.5599	.5267	27.89	.5449	.5211
#2	.2745	28.67	27.91	28.34	.5631	.5256	27.85	.5438	.5129
#3	.2748	28.75	27.88	28.21	.5631	.5257	27.93	.5440	.5156

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5260	2.088	.0217	.5450	.5228	.5414	2.074	.5134	.5434
Stddev	.0033	.009	.0006	.0017	.0015	.0019	.004	.0020	.0024
%RSD	.6179	.4443	2.624	.3056	.2786	.3539	.1737	.3941	.4330
#1	.5252	2.080	.0211	.5469	.5229	.5392	2.077	.5111	.5461
#2	.5296	2.084	.0221	.5437	.5213	.5429	2.070	.5149	.5418
#3	.5233	2.098	.0221	.5443	.5242	.5420	2.075	.5142	.5422

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30157-B1 Acquired: 3/23/2016 11:17:33 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2652.7	5622.0	41624.	4020.3
Stddev	1.5	8.7	32.	12.8
%RSD	.05487	.15540	.07802	.31821
#1	2652.8	5624.3	41659.	4006.4
#2	2654.1	5612.3	41620.	4022.9
#3	2651.2	5629.4	41594.	4031.6

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Sample Name: FA32398-1 Acquired: 3/23/2016 11:21:46 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0000	.0660	-0.0003	.0094	.0000	33.97	.0000	.0001	.0005
Stddev	.0003	.0147	.0001	.0002	.000	.18	.0000	.0001	.0001
%RSD	1888.	22.22	26.70	2.640	112.3	5246	49.34	97.50	18.81
#1	.0002	.0719	-0.0003	.0094	.0000	33.77	.0001	.0001	.0005
#2	.0002	.0768	-0.0004	.0091	.0000	34.12	.0000	.0001	.0006
#3	-0.0003	.0493	-0.0002	.0096	-0.0001	34.00	.0000	.0000	.0004

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0374	2.037	24.14	4.968	.0376	.0069	F 83.11	.0019	.0002
Stddev	.0004	.013	.08	.036	.0002	.0002	.48	.0001	.0004
%RSD	.9524	.6544	.3187	.7333	.6581	2.652	.5725	4.725	167.8
#1	.0376	2.022	24.05	4.928	.0378	.0070	82.64	.0020	.0006
#2	.0369	2.046	24.19	5.000	.0373	.0069	83.59	.0018	.0000
#3	.0375	2.044	24.18	4.975	.0377	.0067	83.10	.0020	.0000

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0000	.0003	3.247	.0017	.4837	.0322	-0.0007	.0004	.0455
Stddev	.001	.0010	.010	.0003	.0023	.0013	.0007	.0000	.0001
%RSD	8506.	335.0	.2996	19.16	.4728	3.917	100.5	7.524	.2793
#1	.0008	.0003	3.258	.0019	.4810	.0332	-0.0003	.0004	.0456
#2	-0.0008	-0.0007	3.243	.0013	.4850	.0326	-0.0015	.0004	.0454
#3	.0000	.0013	3.240	.0018	.4849	.0308	-0.0003	.0004	.0454

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2666.7	5571.9	42083.	4125.9
Stddev	4.3	7.3	624.	36.2
%RSD	.16276	.13043	.62623	.87704
#1	2663.5	5567.1	41947.	4164.8
#2	2671.6	5580.2	42387.	4093.2
#3	2664.9	5568.3	41916.	4119.6

Sample Name: MP30157-D1 Acquired: 3/23/2016 11:26:10 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0002	.0552	-0.0008	.0093	-0.0001	34.27	.0000	.0000	.0005
Stddev	.0001	.0058	.0003	.0002	.0001	.18	.0000	.0001	.0001
%RSD	67.31	10.43	44.21	1.967	86.01	5326	93.42	214.5	15.53
#1	.0000	.0491	-0.0011	.0095	-0.0001	34.06	.0000	.0000	.0004
#2	.0003	.0606	-0.0005	.0093	-0.0001	34.33	.0000	.0000	.0006
#3	.0003	.0558	-0.0006	.0092	.0000	34.41	.0000	.0001	.0005

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0379	2.047	24.30	4.961	.0383	.0066	F 83.92	.0018	.0003
Stddev	.0001	.004	.10	.050	.0002	.0001	.39	.0002	.0004
%RSD	.2502	.2204	.3969	1.010	.4160	1.573	.4633	13.81	111.7
#1	.0380	2.042	24.19	4.908	.0382	.0064	83.49	.0019	.0006
#2	.0379	2.050	24.37	5.008	.0383	.0066	84.01	.0015	.0006
#3	.0378	2.050	24.32	4.968	.0385	.0066	84.25	.0019	-0.0001

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0004	.0011	3.299	.0013	.4890	.0319	-0.0005	.0003	.0463
Stddev	.0006	.0028	.012	.0002	.0018	.0006	.0013	.0001	.0000
%RSD	160.3	255.2	.3479	18.26	.3730	1.798	268.0	49.55	.1042
#1	.0006	-0.0010	3.288	.0014	.4869	.0320	.0010	.0004	.0462
#2	-0.0003	.0042	3.297	.0011	.4898	.0313	-0.0014	.0002	.0463
#3	.0009	.0000	3.311	.0015	.4904	.0324	-0.0010	.0003	.0463

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2676.8	5584.2	42037.	4175.8
Stddev	7.2	13.8	67.	37.7
%RSD	.26983	.24789	.16000	.90214
#1	2678.6	5597.7	42113.	4219.1
#2	2668.9	5570.0	42011.	4158.1
#3	2683.0	5584.9	41986.	4150.4

Sample Name: MP30157-SD1 Acquired: 3/23/2016 11:30:33 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	0.167	-0.041	0.070	-0.001	32.54	-0.003	0.003	-0.009
Stddev	.0012	.0471	.0015	.0011	.0003	.21	.0003	.0002	.0002
%RSD	199.1	282.7	36.13	16.11	214.1	.6604	100.5	77.57	16.32
#1	.0004	.0039	-.0034	.0067	.0000	32.35	-.0004	.0004	-.0010
#2	-.0020	-.0228	-.0030	.0082	.0001	32.49	.0000	.0005	-.0008
#3	-.0003	.0689	-.0058	.0060	-.0005	32.77	-.0007	.0000	-.0010
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.067	1.876	22.83	4.673	0.060	0.015	78.88	0.011	0.027
Stddev	.0005	.015	.23	.084	.0001	.0007	.36	.0009	.0030
%RSD	1.229	.7931	1.024	1.795	.1814	47.56	.4595	82.45	111.9
#1	.0372	1.863	22.89	4.653	.0359	.0011	78.46	.0003	-.0003
#2	.0364	1.892	22.57	4.764	.0361	.0024	79.10	.0009	.0027
#3	.0364	1.873	23.03	4.600	.0360	.0011	79.08	.0022	.0058
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.001	-0.034	3.056	0.006	0.460	0.281	0.002	-0.003	0.782
Stddev	.0023	.0032	.006	.0012	.0028	.0046	.0033	.0010	.0003
%RSD	2237.	94.58	.2098	207.3	.6012	16.34	2094.	353.5	.3575
#1	-.0027	-.0001	3.053	.0016	.4568	.0333	.0015	-.0006	.0779
#2	.0018	-.0034	3.052	-.0008	.4613	.0266	.0026	-.0011	.0783
#3	.0006	-.0065	3.063	.0010	.4619	.0245	-.0036	.0008	.0785
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2862.4	5814.7	43720.	4244.6					
Stddev	8.6	11.6	88.	30.4					
%RSD	.30070	.19959	.20188	.71682					
#1	2867.2	5828.1	43620.	4276.9					
#2	2852.5	5808.6	43788.	4240.5					
#3	2867.6	5807.4	43751.	4216.4					

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Sample Name: MP30157-PS1 Acquired: 3/23/2016 11:34:59 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0521	2.835	0.1091	0.2890	0.0556	39.17	0.0546	0.0541	0.0573
Stddev	.0003	.108	.0007	.0113	.0020	1.38	.0003	.0004	.0003
%RSD	.6610	3.812	.6594	3.894	3.682	3.518	.5981	.7151	.5351
#1	.0519	2.740	.1089	.2789	.0537	37.89	.0543	.0537	.0572
#2	.0525	2.952	.1086	.3011	.0577	40.62	.0547	.0543	.0576
#3	.0519	2.814	.1100	.2870	.0553	38.99	.0549	.0544	.0571
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.1508	5.310	34.73	10.36	0.0942	1.116	F 93.17	1.100	0.0523
Stddev	.0011	.197	1.24	.40	.0002	.0006	3.41	.0009	.0003
%RSD	.7454	3.711	3.568	3.843	.1734	.4941	3.657	.7930	.6266
#1	.1511	5.125	33.61	9.998	.0940	1.109	89.96	1.091	.0522
#2	.1496	5.517	36.06	10.79	.0943	1.119	96.74	1.100	.0520
#3	.1518	5.288	34.51	10.29	.0942	1.119	92.82	1.108	.0527
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.1128	1.053	3.123	0.0529	0.5328	1.377	1.003	0.539	0.3308
Stddev	.0007	.0010	.018	.0006	.0204	.0011	.0016	.0002	.0023
%RSD	6.386	9.900	.5890	1.040	3.831	8.023	1.601	3.090	.6858
#1	.1121	1.043	3.103	.0523	.5137	1.375	.0984	.0540	.3285
#2	.1135	1.062	3.129	.0531	.5543	1.368	.1011	.0537	.3310
#3	.1127	1.056	3.139	.0533	.5304	1.389	.1013	.0540	.3330
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2665.7	5635.9	41152.	4091.4					
Stddev	20.2	26.2	139.	119.5					
%RSD	.75798	.46518	.33824	2.9199					
#1	2689.0	5665.8	41304.	4207.6					
#2	2655.1	5624.9	41121.	3968.9					
#3	2653.0	5616.9	41031.	4097.6					

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7.1
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Sample Name: MP30157-S1 Acquired: 3/23/2016 11:39:17 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0515	3.006	2.119	2.169	0.0548	62.80	0.0538	0.5304	0.2185
Stddev	.0004	.08	.006	.005	.0002	.17	.0001	.0014	.0011
%RSD	.7637	.2503	.2945	.2557	.3726	.2757	.2197	.2624	.4966
#1	.0519	30.15	2.114	2.167	.0545	62.87	.0537	0.5288	.2196
#2	.0516	30.04	2.126	2.165	.0549	62.93	.0539	0.5314	.2185
#3	.0511	30.01	2.118	2.175	.0548	62.60	.0538	0.5309	.2174
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.3141	30.66	53.12	33.09	0.5952	5.321	F 113.8	5.399	5.186
Stddev	.0005	.11	.19	.32	.0014	.0016	.2	.0014	.0010
%RSD	.1658	.3441	.3652	.9702	.2308	.3039	.1633	.2629	.1924
#1	.3146	30.77	53.34	33.11	.5963	5.303	114.0	5.395	.5182
#2	.3135	30.65	52.98	33.41	.5956	5.335	113.7	5.414	.5198
#3	.3141	30.56	53.02	32.77	.5937	5.326	113.6	5.387	.5179
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.5324	2.127	3.349	0.5330	1.022	0.5652	2.058	0.5120	0.5840
Stddev	.0023	.007	.010	.0015	.001	.0026	.005	.0008	.0009
%RSD	.4330	.3220	.2892	.2733	.1208	.4626	.2455	.1570	.1489
#1	.5311	2.119	3.339	.5335	1.024	.5659	2.055	.5125	.5848
#2	.5351	2.130	3.358	.5341	1.021	.5623	2.063	.5124	.5840
#3	.5311	2.132	3.350	.5313	1.022	.5674	2.054	.5110	.5831
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2533.2	5494.2	40927.	4022.0					
Stddev	6.2	14.2	94.	51.8					
%RSD	.24618	.25768	.22933	1.2871					
#1	2539.5	5510.3	40950.	3963.8					
#2	2527.0	5483.6	40823.	4039.1					
#3	2533.0	5488.8	41007.	4063.0					

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Sample Name: MP30157-S2 Acquired: 3/23/2016 11:43:30 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0522	30.87	2.189	2.237	0.0561	63.87	0.0553	0.5461	0.2241
Stddev	.0007	.09	.014	.005	.0001	.07	.0003	.0036	.0006
%RSD	1.342	.2803	.6579	.2074	.1874	.1063	.5402	.6581	.2660
#1	.0529	30.78	2.203	2.234	.0560	63.85	.0555	0.5491	.2238
#2	.0515	30.87	2.190	2.235	.0562	63.94	.0554	0.5471	.2237
#3	.0523	30.96	2.174	2.243	.0560	63.81	.0550	0.5421	.2247
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.3259	31.34	54.11	33.51	6.102	5.461	F 115.5	5.555	5.332
Stddev	.0012	.05	.09	.14	.0022	.0040	.2	.0031	.0029
%RSD	.3568	.16							

Sample Name: FA32431-1 Acquired: 3/23/2016 11:47:41 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	4.726	-0.001	0.0357	0.000	1.095	0.000	0.005	0.057
Stddev	.0004	.0029	.0005	.0006	.0000	.002	.000	.0001	.0022
%RSD	252.1	6152	420.0	1.796	227.9	.2128	63.21	19.99	38.40
#1	-.0005	.4759	.0003	.0350	.0000	1.094	.0000	.0004	.0082
#2	-.0003	.4709	.0001	.0363	.0000	1.098	.0000	.0006	.0043
#3	-.0003	.4708	-.0007	.0356	.0000	1.094	-.0001	.0006	.0045
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0042	2.189	0.9191	0.9296	0.0108	-0.0005	2.078	0.0028	0.011
Stddev	.0002	.0035	.0104	.0135	.0001	.0001	.004	.0004	.0004
%RSD	4.819	1.596	1.126	1.455	1.339	11.74	.1948	13.59	31.27
#1	.0043	.2150	.9113	.9269	.0109	-.0004	2.074	.0026	.0011
#2	.0039	.2216	.9309	.9442	.0107	-.0004	2.081	.0032	.0008
#3	.0042	.2201	.9152	.9176	.0107	-.0005	2.080	.0026	.0015
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.002	-0.0014	2.371	0.0005	0.107	0.162	0.002	0.004	0.143
Stddev	.0009	.0018	.021	.0001	.0024	.0024	.0004	.0001	.0000
%RSD	365.8	126.5	8752	22.32	1.311	14.68	249.5	32.88	1.312
#1	-.0006	-.0029	2.385	.0006	.0106	.0153	.0004	.0005	.0143
#2	.0012	.0006	2.381	.0004	.0108	.0188	.0005	.0003	.0143
#3	.0001	-.0019	2.347	.0005	.0108	.0143	-.0003	.0003	.0143
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2922.4	5848.3	4441.4	4227.0					
Stddev	2.6	7.9	73.	30.3					
%RSD	.09045	.13464	.16443	.71778					
#1	2922.3	5839.7	4446.9	4219.7					
#2	2919.8	5855.0	44331.	4201.0					
#3	2925.1	5850.3	44441.	4260.4					

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Sample Name: FA32431-2 Acquired: 3/23/2016 11:52:05 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.002	0.3520	-0.0008	0.0055	-0.0001	0.4471	-0.0001	0.000	0.005
Stddev	.0008	.0119	.0005	.0003	.0000	.0049	.0000	.000	.0002
%RSD	313.7	3.374	68.77	4.940	32.99	1.102	14.34	107.1	47.42
#1	.0005	.3569	-.0005	.0053	-.0001	.4446	-.0001	-.0001	.0008
#2	.0008	.3385	-.0004	.0053	-.0001	.4528	-.0001	-.0001	.0005
#3	-.0006	.3607	-.0014	.0058	-.0001	.4440	-.0001	.0000	.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0093	0.962	6.900	1.293	0.061	0.002	53.39	0.016	0.004
Stddev	.0002	.0015	.0385	.0092	.0001	.0001	.14	.0001	.0002
%RSD	2.171	1.603	5.574	7.101	1.903	41.38	.2623	5.348	43.65
#1	.0090	.0951	6.531	1.294	.0062	.0002	53.25	.0017	.0002
#2	.0094	.0980	7.299	1.201	.0061	.0001	53.53	.0016	.0006
#3	.0094	.0957	6.871	1.385	.0060	.0001	53.39	.0017	.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.004	0.011	1.354	0.010	0.062	0.141	-0.0005	0.003	0.046
Stddev	.0011	.0005	.006	.0004	.0001	.0037	.0008	.0000	.0001
%RSD	249.2	45.47	42.19	35.28	1.251	26.64	149.5	9.994	1.435
#1	.0011	.0009	1.357	.0009	.0063	.0125	.0003	.0003	.0047
#2	.0011	.0017	1.358	.0008	.0061	.0113	-.0014	.0003	.0045
#3	-.0008	.0008	1.347	.0015	.0062	.0183	-.0005	.0003	.0046
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2756.9	5682.9	42303.	4127.3					
Stddev	3.2	2.3	206.	41.7					
%RSD	.11719	.04004	.48636	1.0093					
#1	2755.2	5684.2	42296.	4121.9					
#2	2754.8	5684.2	42513.	4088.5					
#3	2760.6	5680.3	42102.	4171.3					

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7.1
7

Sample Name: CCV Acquired: 3/23/2016 11:56:32 Type: QC
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.593	40.92	2.016	2.030	2.021	40.78	2.052	2.044	2.076
Stddev	.0012	.09	.002	.005	.008	.09	.002	.002	.008
%RSD	.4772	2.222	.1044	.2544	.4037	.2126	.0841	.0889	.3874
#1	.2603	40.82	2.019	2.034	2.013	40.69	2.054	2.046	2.085
#2	.2597	40.99	2.014	2.024	2.029	40.87	2.052	2.043	2.073
#3	.2580	40.94	2.016	2.032	2.023	40.79	2.050	2.042	2.070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.052	39.43	41.29	40.88	2.093	2.029	40.97	2.051	2.018
Stddev	.004	.17	.09	.32	.007	.002	.05	.001	.004
%RSD	.1758	.4280	.2157	.7893	.3191	.0801	.1255	.0448	.1847
#1	2.033	39.24	41.19	40.50	2.100	2.030	40.98	2.051	2.021
#2	2.036	39.57	41.34	41.07	2.093	2.030	40.91	2.050	2.014
#3	2.029	39.48	41.35	41.05	2.086	2.027	41.01	2.052	2.019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.010	2.007	2.497	2.061	2.036	2.063	2.028	2.053	2.066
Stddev	.003	.003	.004	.001	.003	.005	.005	.006	.001
%RSD	.1308	.1640	.1815	.0247	.1635	.2419	.2365	.2780	.0252
#1	2.010	2.006	2.497	2.060	2.033	2.066	2.029	2.059	2.066
#2	2.013	2.005	2.501	2.060	2.035	2.066	2.023	2.052	2.065
#3	2.008	2.011	2.492	2.061	2.040	2.058	2.032	2.048	2.066
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 3/23/2016 11:56:32 Type: QC
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2561.0	5598.0	41752.	4062.9
Stddev	3.9	8.1	70.	26.9
%RSD	.15239	.14442	.16722	.66113
#1	2557.5	5593.5	41674.	4081.9
#2	2565.2	5593.2	41810.	4032.2
#3	2560.3	5607.3	41772.	4074.7

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Sample Name: CCB Acquired: 3/23/2016 12:00:43 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0098	-0.002	.0003	.0003	.0048	.0001	.0001	-0.001
Stddev	.0002	.0068	.0003	.0001	.0001	.0017	.0000	.0000	.0003
%RSD	412.9	70.09	190.7	39.45	28.39	35.41	50.86	20.15	206.7
#1	.0001	.0171	.0002	.0003	.0003	.0030	.0001	.0001	.0001
#2	.0001	.0087	-0.003	.0005	.0003	.0063	.0000	.0001	-0.004
#3	-0.001	.0035	-0.004	.0003	.0002	.0050	.0001	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0028	.0971	-0.002	.0002	.0004	.0814	.0001	.0001
Stddev	.0001	.0033	.0344	.0171	.0001	.0003	.0094	.0000	.0005
%RSD	29.27	117.4	35.42	9445.	30.84	87.96	11.53	12.91	327.7
#1	.0005	.0063	.1180	.0185	.0002	.0007	.0856	.0001	-0.001
#2	.0003	.0020	.1159	-0.015	.0001	.0004	.0706	.0001	-0.002
#3	.0005	.0000	.0574	-0.0039	.0001	.0001	.0879	.0001	.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	-0.0005	.0007	-0.001	.0003	.0003	-0.008	.0000	-0.004
Stddev	.0011	.0005	.0006	.0000	.0001	.0001	.0013	.000	.0000
%RSD	255.6	94.75	81.61	33.73	25.27	28.39	159.4	621.5	7.160
#1	-0.008	-0.011	.0008	-0.001	.0003	.0004	.0007	-0.003	-0.004
#2	.0008	-0.002	.0013	-0.001	.0003	.0004	-0.015	.0000	-0.005
#3	.0013	-0.003	.0001	-0.001	.0002	-0.017	.0001	.0001	-0.004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/23/2016 12:00:43 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2930.4	5784.6	43396.	4108.2
Stddev	.9	17.9	139.	26.6
%RSD	.03209	.30900	.32070	.64750
#1	2930.6	5795.5	43550.	4079.2
#2	2931.2	5794.4	43279.	4114.1
#3	2929.4	5764.0	43359.	4131.4

Sample Name: FA32431-3 Acquired: 3/23/2016 12:05:13 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	.1085	.0031	.0344	.0000	2.522	-0.001	.0000	.0007
Stddev	.0002	.0122	.0008	.0000	.000	.005	.0000	.0001	.0002
%RSD	65.57	11.24	24.59	.0536	1058.	.2106	26.66	427.5	25.34
#1	-0.004	.1188	.0038	.0344	.0000	2.523	-0.002	.0002	.0005
#2	-0.003	.0950	.0034	.0344	.0000	2.527	-0.001	.0000	.0008
#3	-0.001	.1116	.0023	.0344	.0000	2.517	-0.001	.0000	.0007

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0040	17.68	1.379	2.122	.0143	-0.001	F 214.0	.0011	-0.013
Stddev	.0003	.02	.016	.009	.0001	.0000	2.1	.0001	.0002
%RSD	8.218	1.325	1.189	.4088	.7146	33.91	.9689	6.365	11.84
#1	.0040	17.66	1.366	2.126	.0143	-0.002	213.6	.0010	-0.012
#2	.0036	17.69	1.372	2.112	.0144	-0.001	212.2	.0011	-0.012
#3	.0043	17.71	1.397	2.128	.0142	-0.001	216.3	.0010	-0.015

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0008	.0008	1.074	.0022	.0199	.0033	-0.017	.0013	.0063
Stddev	.0009	.0012	.003	.0004	.0000	.0002	.0008	.0001	.0000
%RSD	113.3	139.6	.2577	19.13	.1965	7.101	45.81	5.274	.6911
#1	.0012	-0.004	1.072	.0017	.0199	.0034	-0.010	.0013	.0063
#2	-0.002	.0020	1.072	.0026	.0199	.0034	-0.016	.0013	.0062
#3	.0013	.0009	1.077	.0023	.0199	.0030	-0.026	.0012	.0063

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2614.5	5769.5	42926.	4348.2
Stddev	8.5	17.6	115.	31.5
%RSD	.32421	.30584	.26780	.72505
#1	2619.6	5766.7	42935.	4376.9
#2	2619.1	5788.3	43036.	4353.3
#3	2604.7	5753.3	42807.	4314.4

Sample Name: FA32431-4 Acquired: 3/23/2016 12:09:48 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	.0121	-0.005	.0020	.0000	.0699	-0.001	.0000	.0050
Stddev	.0004	.0113	.0003	.0001	.0000	.0025	.0001	.0002	.0016
%RSD	146.0	93.30	50.03	6.297	674.1	3.550	38.72	353.9	31.23
#1	-0.007	-0.009	-0.002	.0021	.0000	.0686	-0.001	.0000	.0050
#2	-0.004	.0174	-0.005	.0019	.0000	.0683	-0.001	.0002	.0035
#3	.0002	.0199	-0.007	.0021	.0000	.0727	-0.002	-0.001	.0066

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0007	.0550	.3375	.0754	.0018	.0002	F 116.9	.0035	-0.003
Stddev	.0002	.0047	.0145	.0202	.0001	.0001	.5	.0003	.0005
%RSD	21.15	8.550	4.311	26.83	6.512	26.33	.4278	9.821	194.3
#1	.0008	.0600	.3428	.0551	.0018	.0003	117.4	.0032	-0.007
#2	.0005	.0543	.3210	.0955	.0017	.0002	116.5	.0034	.0003
#3	.0008	.0506	.3486	.0757	.0019	.0003	116.7	.0038	-0.004

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0002	-0.003	.0095	-0.002	.0007	-0.001	-0.007	.0018	.0009
Stddev	.0011	.0013	.0023	.0001	.0000	.0000	.0009	.0002	.0001
%RSD	493.0	436.5	.2505	87.99	2.726	19.16	132.2	9.157	7.705
#1	-0.007	.0011	.9114	-0.001	.0007	-0.001	-0.012	.0018	.0008
#2	-0.001	-0.006	.9101	-0.001	.0007	-0.001	-0.004	.0017	.0009
#3	.0014	-0.014	.9070	-0.003	.0007	-0.002	-0.013	.0020	.0009

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2711.0	5646.8	41831.	4174.4
Stddev	5.4	20.5	113.	8.3
%RSD	.20024	.36377	.26970	.19988
#1	2705.9	5624.9	41738.	4166.2
#2	2710.4	5650.1	41956.	4174.1
#3	2716.7	5665.6	41800.	4182.8

Sample Name: FA32431-5 Acquired: 3/23/2016 12:14:16 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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Sample Name: FA32431-6 Acquired: 3/23/2016 12:18:46 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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Sample Name: FA32431-6F Acquired: 3/23/2016 12:23:10 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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Sample Name: FA32237-31 Acquired: 3/23/2016 12:27:37 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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7.1

Sample Name: FA32238-16 Acquired: 3/23/2016 12:32:01 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.015	-0.013	0.0383	0.000	40.92	-0.001	0.008	-0.001
Stddev	0.001	0.0088	0.004	0.001	0.00	0.09	0.000	0.001	0.001
%RSD	62.91	76.37	28.79	2.083	56.22	2.299	9.876	6.165	164.4
#1	-0.002	0.030	-0.009	0.0382	-0.001	41.03	-0.001	0.008	-0.002
#2	-0.001	0.0205	-0.013	0.0383	-0.001	40.86	-0.001	0.008	0.000
#3	-0.004	0.0111	-0.017	0.0384	0.000	40.88	-0.002	0.008	0.000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.005	-0.0108	1.210	9.821	0.024	-0.002	10.58	0.012	0.001
Stddev	0.001	0.005	0.12	0.038	0.001	0.001	0.02	0.002	0.004
%RSD	23.55	4.689	9.893	3.842	6.543	32.09	1.776	19.00	287.0
#1	0.006	-0.103	1.196	9.786	0.0203	-0.002	10.59	0.010	0.004
#2	0.007	-0.108	1.213	9.816	0.0205	-0.002	10.56	0.014	-0.003
#3	0.004	-0.113	1.219	9.861	0.0203	-0.003	10.58	0.011	0.003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.002	-0.0015	4.592	-0.004	6.377	0.002	-0.009	0.033	0.0497
Stddev	0.003	0.005	0.09	0.003	0.016	0.001	0.008	0.002	0.001
%RSD	173.7	36.80	1.844	79.88	2.542	31.91	90.15	5.760	1.789
#1	-0.002	-0.009	4.585	-0.001	6.396	0.001	-0.009	0.033	0.0498
#2	0.004	-0.019	4.602	-0.004	6.366	0.002	-0.017	0.035	0.0498
#3	0.003	-0.017	4.589	-0.006	6.370	0.002	-0.001	0.031	0.0496
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2775.9	5640.5	42794.	4085.3					
Stddev	7.1	14.3	181.	19.9					
%RSD	25582	25408	42303	48624					
#1	2784.1	5657.0	42958.	4095.3					
#2	2772.5	5630.9	42600.	4062.4					
#3	2771.1	5633.6	42825.	4098.1					

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Sample Name: FA32409-1 Acquired: 3/23/2016 12:36:27 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.019	-0.009	0.0863	0.000	2.808	-0.001	-0.001	0.003
Stddev	0.003	0.0087	0.004	0.004	0.000	0.005	0.000	0.001	0.002
%RSD	197.2	48.93	40.72	4.447	91.10	1.755	63.48	87.94	46.44
#1	0.000	0.0194	-0.014	0.0860	0.000	2.802	0.000	-0.002	0.005
#2	0.000	0.0085	-0.008	0.0867	0.000	2.812	-0.001	0.000	0.002
#3	-0.005	0.0258	-0.006	0.0862	0.001	2.810	-0.001	-0.002	0.004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0197	0.0177	2.316	1.146	0.035	-0.009	2.033	0.003	0.002
Stddev	0.003	0.002	0.030	0.009	0.001	0.001	0.005	0.001	0.002
%RSD	1.579	1.374	1.276	0.788	2.058	10.56	0.2374	21.96	86.81
#1	0.0197	0.0179	2.290	1.139	0.036	-0.008	2.038	0.003	0.004
#2	0.0194	0.0175	2.311	1.156	0.034	-0.009	2.032	0.004	0.000
#3	0.0200	0.0178	2.348	1.143	0.035	-0.010	2.029	0.002	0.003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.001	-0.0008	4.547	0.011	0.0213	-0.004	-0.011	0.001	0.0369
Stddev	0.004	0.013	0.003	0.002	0.002	0.000	0.005	0.001	0.001
%RSD	336.7	153.0	0.721	22.12	8.827	7.361	45.23	74.30	3.356
#1	0.004	-0.019	4.544	0.012	0.0212	-0.004	-0.006	0.001	0.0369
#2	-0.004	0.006	4.550	0.008	0.0215	-0.003	-0.016	0.002	0.0368
#3	0.004	-0.012	4.548	0.012	0.0212	-0.004	-0.012	0.001	0.0370
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2939.7	5803.4	44244.	4095.8					
Stddev	4.1	10.4	305.	14.9					
%RSD	14089	17930	69045	36279					
#1	2936.9	5805.7	44034.	4099.5					
#2	2937.7	5792.0	44595.	4108.5					
#3	2944.5	5812.5	44104.	4079.5					

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Sample Name: FA32409-2 Acquired: 3/23/2016 12:40:53 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.0199	-0.009	0.0390	0.000	8.754	-0.001	0.000	0.009
Stddev	0.003	0.0074	0.004	0.003	0.001	0.13	0.000	0.001	0.001
%RSD	121.8	37.03	49.41	7.009	224.9	15.15	20.11	173.9	15.15
#1	0.000	0.0186	-0.004	0.0392	0.000	8.745	-0.001	0.000	0.011
#2	-0.005	0.0133	-0.011	0.0391	0.000	8.770	-0.001	0.001	0.009
#3	-0.002	0.0279	-0.013	0.0387	0.001	8.749	-0.001	0.001	0.008
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.035	0.027	1.360	7.173	0.051	-0.009	2.613	0.005	0.083
Stddev	0.003	0.0043	0.051	0.0250	0.000	0.001	0.04	0.001	0.004
%RSD	5.221	6.897	3.777	3.486	0.776	11.14	1.730	16.03	4.795
#1	0.038	0.0596	1.301	7.461	0.051	-0.010	2.614	0.005	0.086
#2	0.035	0.0608	1.392	7.011	0.051	-0.009	2.608	0.005	0.079
#3	0.032	0.0676	1.388	7.047	0.051	-0.008	2.617	0.006	0.085
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.008	-0.0018	4.721	0.064	0.0320	0.000	-0.009	-0.001	0.0788
Stddev	0.004	0.012	0.008	0.002	0.001	0.00	0.003	0.002	0.002
%RSD	45.07	65.82	1.779	2.730	2.718	11440.	34.50	155.4	2.088
#1	0.011	-0.0031	4.724	0.062	0.0319	0.001	-0.006	0.001	0.0790
#2	0.004	-0.0013	4.712	0.066	0.0320	-0.001	-0.009	-0.001	0.0787
#3	0.010	-0.0009	4.729	0.064	0.0320	0.000	-0.012	-0.002	0.0788
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2919.9	5780.3	44302.	4173.0					
Stddev	5.7	9.4	141.	24.4					
%RSD	19645	16181	31794	58515					
#1	2919.2	5773.0	44163.	4175.8					
#2	2925.9	5790.8	44298.	4147.2					
#3	2914.5	5777.0	44445.	4195.8					

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Sample Name: FA32409-1F Acquired: 3/23/2016 12:45:18 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.001	0.0098	-0.014	0.0802	0.001	2.510	-0.001	-0.001	0.004
Stddev	0.002	0.0091	0.003	0.004	0.001	0.006	0.001	0.002	0.001
%RSD	158.8	92.35	23.78	4.760	99.40	2.491	39.01	217.9	16.61
#1	0.004	0.0065	-0.017	0.0806	0.001	2.512	-0.001	-0.003	0.003
#2	0.001	0.0029	-0.011	0.0802	0.000	2.515	-0.001	-0.001	0.004
#3	-0.001	0.0201	-0.014	0.0798	0.001	2.503	-0.002	0.001	0.005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0160	-0.0023	2.118						

Sample Name: CCV Acquired: 3/23/2016 12:49:43 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2616	41.10	2.044	2.060	2.017	40.77	2.079	2.079	2.062
Stddev	.0004	.15	.006	.006	.011	.15	.002	.003	.002
%RSD	.1403	.3746	.2840	.2851	.5590	.3598	.0767	.1281	.0864

#1	.2619	41.26	2.048	2.067	2.027	40.91	2.081	2.082	2.061
#2	.2612	41.07	2.047	2.055	2.018	40.79	2.078	2.077	2.060
#3	.2617	40.96	2.038	2.058	2.005	40.62	2.078	2.077	2.063

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.046	39.46	40.93	40.47	2.076	2.061	40.95	2.068	2.027
Stddev	.001	.14	.19	.19	.002	.001	.21	.002	.004
%RSD	.0523	.3484	.4607	.4669	.0805	.0437	.5236	.1033	.1945

#1	2.047	39.61	41.15	40.61	2.075	2.060	41.17	2.070	2.026
#2	2.045	39.40	40.81	40.55	2.075	2.062	40.93	2.067	2.032
#3	2.046	39.36	40.84	40.26	2.078	2.061	40.74	2.067	2.024

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.031	2.051	2.529	2.069	2.023	2.031	2.031	2.034	2.076
Stddev	.003	.006	.001	.003	.012	.002	.007	.003	.002
%RSD	.1304	.2915	.0524	.1218	.5803	.1072	.3561	.1338	.1056

#1	2.034	2.053	2.528	2.072	2.035	2.032	2.027	2.034	2.078
#2	2.030	2.055	2.530	2.067	2.023	2.029	2.040	2.031	2.077
#3	2.030	2.044	2.527	2.068	2.012	2.033	2.027	2.037	2.074

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/23/2016 12:49:43 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2566.6	5575.0	42398.	4119.5
Stddev	2.5	4.8	164.	13.9
%RSD	.09712	.08548	.38629	.33698

#1	2569.4	5571.5	42537.	4103.5
#2	2565.5	5580.4	42438.	4127.6
#3	2564.8	5573.0	42217.	4127.5

Sample Name: CCB Acquired: 3/23/2016 12:53:54 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0094	.0001	-0.0001	.0002	.0040	.0000	.0000	-0.0002
Stddev	.0004	.0052	.0004	.0002	.0001	.0022	.0000	.0000	.0001
%RSD	435.7	55.42	664.6	152.5	28.39	56.37	63.76	162.6	32.90

#1	.0000	-0.153	-0.001	-0.002	.0003	.0065	.0001	.0000	-0.0002
#2	.0005	-0.078	-0.002	-0.003	.0002	.0023	.0000	.0000	-0.0001
#3	-0.002	-0.052	.0005	.0001	.0001	.0031	.0001	.0001	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0037	.0770	-0.0075	.0001	.0003	.0683	.0000	.0001
Stddev	.0003	.0048	.0297	.0227	.0000	.0002	.0121	.0002	.0007
%RSD	135.3	129.3	38.64	301.1	7.281	70.71	17.74	818.4	1107.

#1	.0004	.0084	.1100	.0025	.0001	.0005	.0724	.0000	-0.0001
#2	-0.0001	.0040	.0685	-.0335	.0001	.0002	.0778	.0003	-0.0005
#3	.0004	-.0012	.0524	.0084	.0001	.0001	.0547	-.0002	.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0001	.0015	-0.0001	.0002	.0002	-0.0009	.0002	-0.0006
Stddev	.0001	.0004	.0002	.0002	.0001	.0000	.0009	.0001	.0000
%RSD	244.3	719.8	10.25	307.8	36.14	.9256	92.80	36.48	5.296

#1	.0001	.0004	.0016	.0000	.0003	.0002	-.0014	.0001	-0.0006
#2	.0001	-.0004	.0014	.0001	.0003	.0002	-.0015	.0002	-0.0007
#3	-0.0001	.0003	.0017	-.0003	.0001	.0002	.0001	.0002	-0.0006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/23/2016 12:53:54 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2979.2	5838.5	44082.	4170.0
Stddev	3.0	3.4	141.	31.6
%RSD	.10224	.05842	.31976	.75658

#1	2975.9	5834.7	44074.	4182.9
#2	2979.9	5841.3	44227.	4193.1
#3	2981.8	5839.5	43945.	4134.0

Sample Name: FA32409-2F Acquired: 3/23/2016 12:58:23 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

Sample Name: FA32427-1 Acquired: 3/23/2016 13:02:50 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

Sample Name: FA32427-2 Acquired: 3/23/2016 13:07:21 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

Sample Name: FA32427-3 Acquired: 3/23/2016 13:11:53 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

Sample Name: FA32427-4 Acquired: 3/23/2016 13:16:25 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	-0.002	-0.007	-0.003	0.000	0.013	-0.001	-0.001	-0.002
Stddev	0.004	0.0032	0.004	0.003	0.000	0.0050	0.000	0.001	0.003
%RSD	107.8	1628.	57.84	92.46	271.8	371.5	12.49	79.63	179.8
#1	-0.006	-0.025	-0.004	-0.001	0.000	0.029	-0.001	-0.001	0.001
#2	-0.005	0.035	-0.005	-0.002	-0.002	-0.042	-0.001	-0.001	-0.005
#3	0.001	-0.016	-0.012	-0.007	0.000	0.053	-0.001	0.000	-0.002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.001	-0.012	0.032	-0.035	-0.001	-0.009	0.0528	0.000	0.004
Stddev	0.003	0.009	0.291	0.206	0.000	0.001	0.027	0.000	0.005
%RSD	352.0	8.260	46.12	581.6	29.04	6.689	5.102	308.5	119.9
#1	-0.002	-0.119	0.908	-0.169	-0.001	-0.008	0.512	0.000	0.009
#2	-0.003	-0.102	0.659	-0.139	-0.001	-0.009	0.560	-0.001	0.003
#3	0.003	-0.116	0.328	0.201	-0.001	-0.008	0.514	0.001	0.000
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.000	-0.004	0.094	-0.005	0.000	-0.007	-0.014	-0.001	-0.008
Stddev	0.001	0.016	0.001	0.002	0.000	0.000	0.010	0.002	0.000
%RSD	1685.	439.9	9604	40.62	142.1	5.833	73.49	197.2	4.435
#1	0.008	0.014	0.094	-0.006	0.000	-0.007	-0.023	-0.002	-0.008
#2	-0.009	-0.015	0.092	-0.003	-0.001	-0.007	-0.016	0.001	-0.008
#3	-0.001	-0.009	0.094	-0.006	0.000	-0.008	-0.003	-0.001	-0.008
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2988.7	5887.2	45082.	4197.1					
Stddev	5.0	5.3	88.	22.5					
%RSD	0.16640	0.09086	0.19548	0.53613					
#1	2984.4	5881.4	45011.	4206.1					
#2	2994.1	5888.3	45180.	4213.7					
#3	2987.6	5891.9	45054.	4171.5					

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Sample Name: FA32427-5 Acquired: 3/23/2016 13:20:54 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	-0.007	-0.006	-0.002	0.000	0.069	-0.001	-0.001	-0.002
Stddev	0.005	0.006	0.003	0.004	0.000	0.031	0.001	0.001	0.002
%RSD	83.73	920.4	53.07	225.8	150.9	45.49	78.43	131.4	102.7
#1	0.000	0.003	-0.007	0.002	0.000	0.054	0.000	-0.001	-0.004
#2	-0.007	0.048	-0.009	-0.006	0.000	0.048	-0.001	0.000	-0.004
#3	-0.010	-0.071	-0.002	-0.002	0.000	0.105	-0.002	-0.001	0.000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.002	-0.006	0.0366	-0.0109	0.000	-0.010	0.0540	-0.001	0.004
Stddev	0.003	0.007	0.628	0.129	0.000	0.002	0.083	0.001	0.006
%RSD	112.8	7.686	171.5	119.1	132.0	18.64	15.30	83.05	140.3
#1	0.000	-0.008	-0.348	-0.249	0.000	-0.008	0.050	0.000	0.010
#2	-0.005	-0.100	0.832	0.006	0.000	-0.011	0.480	-0.001	-0.001
#3	-0.002	-0.100	0.615	-0.082	0.000	-0.010	0.634	-0.002	0.003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.001	-0.010	0.073	-0.003	0.000	-0.007	-0.020	-0.001	-0.007
Stddev	0.004	0.010	0.003	0.003	0.000	0.000	0.008	0.002	0.000
%RSD	572.7	97.28	3.961	87.25	217.6	5.811	39.03	267.2	3.991
#1	0.004	-0.020	0.074	-0.005	0.000	-0.007	-0.028	0.000	-0.007
#2	0.002	-0.008	0.070	-0.004	0.000	-0.007	-0.014	-0.003	-0.007
#3	-0.004	-0.001	0.075	0.000	-0.001	-0.006	-0.017	0.000	-0.007
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2995.0	5878.9	44999.	4162.0					
Stddev	9.6	25.2	326.	7.3					
%RSD	0.32149	0.42808	0.72462	0.17467					
#1	3001.2	5902.4	44648.	4154.2					
#2	2999.9	5881.9	45056.	4163.2					
#3	2983.9	5852.4	45293.	4168.6					

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7.1
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Sample Name: FA32427-6 Acquired: 3/23/2016 13:25:25 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	0.105	-0.009	-0.004	0.000	0.043	-0.002	-0.001	-0.001
Stddev	0.003	0.110	0.001	0.004	0.000	0.037	0.000	0.001	0.000
%RSD	51.92	105.2	6.274	97.61	73.63	86.83	7.146	116.8	36.99
#1	-0.003	0.054	-0.008	-0.008	0.000	0.000	-0.001	0.000	-0.001
#2	-0.005	0.029	-0.009	-0.002	0.000	0.066	-0.002	-0.001	-0.001
#3	-0.009	0.231	-0.009	-0.002	-0.001	0.062	-0.001	-0.003	-0.002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.008	-0.008	0.0270	-0.069	0.000	-0.010	0.0533	0.000	0.005
Stddev	0.001	0.024	0.455	0.223	0.000	0.001	0.052	0.002	0.001
%RSD	16.80	27.64	168.6	323.6	25.91	10.66	9.714	331.5	15.67
#1	0.009	-0.076	-0.099	-0.321	0.000	-0.012	0.474	0.000	0.004
#2	0.008	-0.116	0.779	-0.111	0.000	-0.010	0.560	-0.001	0.006
#3	0.006	-0.072	0.131	0.103	-0.001	-0.010	0.566	0.002	0.005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.006	-0.002	0.069	-0.005	0.000	-0.008	-0.010	-0.002	-0.006
Stddev	0.005	0.015	0.002	0.003	0.000	0.001	0.003	0.001	0.000
%RSD	85.26	692.6	2.818	48.11	405.0	11.60	31.34	34.89	5.450
#1	0.013	-0.017	0.067	-0.004	-0.001	-0.008	-0.011	-0.002	-0.006
#2	0.004	-0.012	0.069	-0.008	0.001	-0.007	-0.013	-0.002	-0.006
#3	0.002	-0.001	0.071	-0.004	0.000	-0.009	-0.007	-0.001	-0.006
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2982.7	5830.6	45146.	4198.5					
Stddev	2.6	10.0	201.	26.2					
%RSD	0.08629	0.17104	0.44436	0.62421					
#1	2980.2	5827.8	45372.	4190.3					
#2	2985.3	5841.7	44991.	4227.8					
#3	2982.5	5822.3	45074.	4177.3					

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Sample Name: MP30157-MB2A Acquired: 3/23/2016 13:33:19 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	-0.020	-0.015	-0.002	0.000	0.0310	-0.002	-0.001	-0.001
Stddev	0.007	0.053	0.002	0.003	0.000	0.009	0.001	0.001	0.002
%RSD	433.5	269.8	14.09	159.2	219.1	2.744	31.88	196.1	211.8
#1	0.006	-0.018	-0.014	-0.004	-0.001	0.314	-0.001	-0.001	-0.003
#2	-0.009	-0.073	-0.012	0.001	0.001	0.316	-0.002	0.001	-0.001
#3	-0.002	0.033	-0.017	-0.003	-0.001	0.300	-0.002	-0.001	-0.001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.021	-0.0135	0.211	0.005	0.002	-0.010	0.0706		

Sample Name: MP30157-MB2A Acquired: 3/23/2016 13:33:19 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	3024.9	5933.9	45656.	4202.3
Stddev	7.4	13.8	69.	10.1
%RSD	.24550	.23281	.15182	.24009
#1	3020.5	5934.1	45591.	4210.3
#2	3033.5	5947.7	45649.	4205.7
#3	3020.8	5920.1	45729.	4191.0

Sample Name: MP30159-MB1 Acquired: 3/23/2016 13:37:51 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.001	-0.002	-0.016	-0.003	-0.001	0.180	-0.001	-0.001	0.004
Stddev	.0001	.0103	.0007	.0000	.0001	.0033	.0000	.0001	.0003
%RSD	63.34	5283.	43.16	5.538	90.67	18.03	35.36	73.30	61.30
#1	.0000	.0022	-.0020	-.0004	.0000	.0167	-.0002	-.0002	.0003
#2	-.0001	.0087	-.0021	-.0003	-.0002	.0156	-.0001	-.0002	.0002
#3	-.0002	-.0114	-.0008	-.0004	-.0001	.0217	-.0001	.0000	.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	0.051	0.309	0.308	-0.096	0.002	-0.010	0.0506	0.001	0.000
Stddev	.0002	.0008	.0520	.0057	.0000	.0001	.0095	.0002	.001
%RSD	3.499	2.497	168.8	59.25	9.532	12.75	18.78	135.2	10270.
#1	.0049	.0305	-.0206	-.0031	.0002	-.0009	.0397	.0004	-.0004
#2	.0051	.0317	.0834	-.0120	.0002	-.0009	.0574	.0000	-.0005
#3	.0052	.0303	.0295	-.0136	.0003	-.0011	.0546	.0001	.0009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	0.005	-0.002	0.064	0.195	0.000	-0.005	-0.017	-0.001	-0.001
Stddev	.0011	.0015	.0006	.0002	.000	.0001	.0012	.0001	.0000
%RSD	209.2	613.3	8.861	1.015	101.6	15.72	72.97	76.03	44.46
#1	.0013	-.0005	.0070	.0193	-.0001	-.0005	-.0013	-.0001	-.0001
#2	.0009	-.0016	.0058	.0196	.0000	-.0005	-.0030	.0000	-.0001
#3	-.0007	.0013	.0063	.0197	.0000	-.0006	-.0007	-.0001	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.1
7

Sample Name: MP30159-MB1 Acquired: 3/23/2016 13:37:51 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	3028.1	5865.8	45481.	4233.7
Stddev	6.0	9.8	85.	6.6
%RSD	.19729	.16635	.18751	.15563
#1	3026.8	5877.1	45385.	4227.2
#2	3034.5	5860.6	45510.	4233.3
#3	3022.8	5859.8	45548.	4240.4

Sample Name: MP30159-B1 Acquired: 3/23/2016 13:42:22 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	0.477	28.76	1.989	2.106	0.518	26.13	0.522	5.234	2066
Stddev	.0008	.04	.004	.005	.0002	.03	.0003	.0022	.0012
%RSD	1.643	.1477	.1780	.2464	.2984	.1196	.5305	.4131	.5675
#1	.0482	28.73	1.988	2.101	.0517	26.11	.0522	5.234	.2074
#2	.0468	28.81	1.986	2.112	.0516	26.10	.0519	5.212	.2052
#3	.0480	28.74	1.993	2.105	.0519	26.16	.0524	5.256	.2071

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	0.2625	27.24	25.98	26.03	5.191	5.158	26.18	5.203	4830
Stddev	.0007	.04	.04	.14	.0027	.0027	.05	.0021	.0016
%RSD	.2813	.1447	.1441	.5456	.5181	.5248	.1816	.4057	.3376
#1	.2626	27.20	25.94	25.90	.5201	.5155	26.15	5.198	4840
#2	.2632	27.25	26.01	26.02	.5161	.5132	26.24	5.185	4838
#3	.2617	27.27	25.99	26.18	.5212	.5186	26.17	5.226	4811

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	4.956	2.022	0.154	5.276	4.898	4.981	1.924	4.759	5.131
Stddev	.0025	.008	.0002	.0012	.0014	.0009	.007	.0010	.0012
%RSD	.5039	.3780	1.472	.2192	.2817	.1726	.3691	.2128	.2303
#1	4.935	2.018	.0155	5.290	4.883	4.991	1.920	4.767	5.134
#2	4.949	2.017	.0151	5.269	4.909	4.975	1.921	4.747	5.117
#3	4.984	2.031	.0156	5.270	4.902	4.977	1.932	4.762	5.140

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30159-B1 Acquired: 3/23/2016 13:42:22 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2733.4	5675.5	43708.	4146.3
Stddev	4.9	27.0	17.	14.0
%RSD	.17861	.47626	.03964	.33863
#1	2733.3	5673.2	43720.	4133.1
#2	2738.3	5703.6	43688.	4144.6
#3	2728.5	5649.7	43715.	4161.1

Sample Name: CCV Acquired: 3/23/2016 13:46:35 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	2.634	41.49	2.057	2.091	2.012	40.49	2.099	2.114	2.050
Stddev	.0004	.25	.001	.011	.008	.20	.002	.002	.004
%RSD	.1634	.6084	.0649	.5060	.4088	.4863	.0875	.0830	.2104
#1	.2634	41.67	2.056	2.096	2.019	40.68	2.098	2.112	2.049
#2	.2630	41.20	2.058	2.079	2.003	40.29	2.101	2.115	2.055
#3	.2638	41.60	2.057	2.099	2.013	40.51	2.097	2.114	2.046

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	2.059	39.64	40.81	40.01	2.031	2.096	40.86	2.081	2.005
Stddev	.004	.17	.27	.30	.017	.003	.21	.001	.008
%RSD	.1857	.4285	.6494	.7521	.8205	.1196	.5221	.0618	.3886
#1	2.058	39.80	40.98	40.35	2.026	2.093	41.00	2.081	2.014
#2	2.063	39.46	40.50	39.85	2.049	2.097	40.62	2.082	2.002
#3	2.055	39.67	40.95	39.81	2.017	2.097	40.97	2.080	2.000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	2.052	2.073	2.554	2.063	2.012	2.002	2.006	2.004	2.070
Stddev	.001	.004	.002	.002	.011	.005	.002	.004	.003
%RSD	.0528	.2027	.0879	.0863	.5387	.2537	.0753	.1909	.1341
#1	2.051	2.069	2.556	2.064	2.019	2.002	2.008	2.007	2.069
#2	2.053	2.077	2.556	2.064	2.000	2.008	2.004	2.006	2.073
#3	2.052	2.075	2.552	2.061	2.019	1.997	2.006	2.000	2.068

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

7.1
7

Sample Name: CCV Acquired: 3/23/2016 13:46:35 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2578.4	5521.3	42649.	4115.2
Stddev	7.5	13.6	191.	46.2
%RSD	.29017	.24600	.44824	1.1227
#1	2577.9	5536.3	42685.	4066.4
#2	2586.2	5517.9	42442.	4158.3
#3	2571.2	5509.8	42820.	4120.8

Sample Name: CCB Acquired: 3/23/2016 13:50:51 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.002	0.122	-0.001	0.001	0.002	0.071	0.001	0.001	-0.001
Stddev	.0003	.0040	.0005	.0002	.0001	.0033	.0000	.0000	.0001
%RSD	181.3	33.12	732.1	184.6	26.07	45.87	37.71	24.68	186.2
#1	.0002	.0100	.0000	.0003	.0002	.0037	.0001	.0001	-0.002
#2	-0.005	.0097	.0004	.0000	.0003	.0075	.0000	.0001	-0.001
#3	-0.002	.0169	-0.006	.0000	.0002	.0101	.0001	.0002	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-0.001	0.028	0.193	-0.151	0.002	0.005	0.652	0.001	0.007
Stddev	.0002	.0039	.0316	.0163	.0000	.0003	.0093	.0000	.0005
%RSD	244.2	139.0	163.5	108.5	15.05	47.83	16.82	14.56	70.01
#1	-0.001	.0067	.0529	-0.161	.0002	.0007	.0594	.0001	.0007
#2	.0001	-0.0010	-0.097	-0.308	.0002	.0006	.0617	.0002	.0003
#3	-0.003	.0026	.0148	.0018	.0002	.0003	.0446	.0001	.0013

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	0.004	0.009	0.014	-0.001	0.002	0.004	0.002	0.001	-0.006
Stddev	.0009	.0010	.0003	.0002	.0001	.0001	.0001	.0001	.0001
%RSD	215.5	102.6	18.26	161.4	28.23	20.73	63.90	107.8	10.29
#1	-0.004	-0.001	.0017	.0001	.0002	.0005	.0001	.0001	-0.005
#2	.0014	.0018	.0013	-0.003	.0002	.0003	.0001	.0000	-0.006
#3	.0003	.0012	.0012	-0.001	.0003	.0003	.0003	.0003	-0.006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/23/2016 13:50:51 Type: QC
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2988.3	5807.1	44655.	4221.2
Stddev	5.3	11.0	92.	12.8
%RSD	.17857	.18972	.20661	.30220

#1	2986.8	5795.3	44674.	4234.1
#2	2983.9	5808.8	44555.	4221.0
#3	2994.2	5817.2	44736.	4208.6

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Sample Name: FA32410-1 Acquired: 3/23/2016 13:55:34 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0021	193.2	2146	5370	0.0091	95.24	0.0022	2.102	2.724
Stddev	0.0003	.2	0.0025	0.0019	0.0000	.24	0.0001	0.0004	0.0016
%RSD	13.73	.1082	1.160	.3613	.4707	.2533	4.577	.1945	.5942

#1	-0.018	193.1	2148	5362	0.0092	95.22	0.0024	2.104	2.742
#2	-0.022	193.0	2170	5356	0.0091	95.01	0.0022	2.105	2.711
#3	-0.023	193.4	2120	5392	0.0091	95.49	0.0022	2.097	2.719

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5301	370.4	28.22	81.60	3.977	0.049	12.73	5.069	2.854
Stddev	0.0006	1.0	.06	.25	.028	0.0004	.03	0.0007	0.0022
%RSD	.1105	.2609	.2035	.3021	.6926	7.771	.2177	.1283	.7609

#1	5297	369.4	28.24	81.39	3.996	0.053	12.70	5.074	2.830
#2	5298	371.3	28.15	81.54	3.946	0.050	12.73	5.072	2.871
#3	5308	370.3	28.26	81.87	3.989	0.045	12.76	5.062	2.860

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0027	0.0025	1.892	0.0176	1.184	2.797	0.0000	3.596	1.438
Stddev	0.0016	0.0026	0.005	0.0002	0.002	0.011	0.002	0.0006	0.004
%RSD	56.63	102.8	2.449	1.282	1.842	3.776	11990.	1.751	.2515

#1	0.0019	0.0023	1.897	0.0178	1.183	2.809	0.0005	3.600	1.435
#2	0.0018	0.0053	1.890	0.0174	1.183	2.792	-0.0024	3.599	1.442
#3	0.0045	0.0001	1.889	0.0177	1.187	2.789	0.0018	3.588	1.438

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2619.1	7680.2	5884.3	5704.4
Stddev	3.3	12.6	183.	11.3
%RSD	.12564	.16462	.31166	.19831

#1	2617.9	7665.9	58648.	5703.0
#2	2622.8	7685.0	58870.	5693.9
#3	2616.6	7689.8	59011.	5716.4

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7.1
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Sample Name: MP30159-D1 Acquired: 3/23/2016 14:00:02 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.0025	196.7	2230	5123	0.0088	85.57	0.0019	2.481	2.715
Stddev	0.0002	.6	0.0005	0.0020	0.0001	.33	0.0001	0.0007	0.0017
%RSD	8.741	.3058	.2045	.3947	.8046	.3903	5.726	.2734	.6133

#1	-0.0027	196.4	2225	5100	0.0089	85.69	0.0019	2.473	2.728
#2	-0.0025	197.4	2233	5137	0.0088	85.83	0.0018	2.484	2.696
#3	-0.0023	196.3	2233	5131	0.0088	85.19	0.0020	2.486	2.721

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5249	348.6	28.97	77.36	3.386	0.059	11.98	5.253	2.744
Stddev	0.0006	1.4	.09	.62	0.016	0.0001	.05	0.0010	0.0013
%RSD	.1180	.4083	.3002	.8075	.4825	1.556	4.332	1.902	.4603

#1	5252	348.4	28.92	77.65	3.393	0.058	11.95	5.242	2.739
#2	5254	350.1	29.07	77.78	3.368	0.058	12.04	5.255	2.758
#3	5242	347.2	28.93	76.64	3.398	0.060	11.95	5.262	2.734

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0029	0.0011	2.279	0.0179	1.103	3.908	-0.0018	3.952	1.399
Stddev	0.0006	0.0022	0.006	0.0001	0.003	0.012	0.0022	0.0005	0.002
%RSD	20.86	195.0	2.459	.5296	.2986	2.953	122.6	.1193	.1321

#1	0.0035	0.0003	2.272	0.0180	1.099	3.919	-0.0034	3.955	1.397
#2	0.0031	-0.0005	2.283	0.0178	1.106	3.896	0.0007	3.947	1.400
#3	0.0023	0.0037	2.281	0.0179	1.103	3.910	-0.0027	3.954	1.400

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2637.1	7502.3	57420.	5544.4
Stddev	3.0	14.0	232.	59.9
%RSD	.11203	.18612	.40339	1.0800

#1	2636.0	7516.2	57210.	5490.0
#2	2640.5	7502.5	57668.	5534.6
#3	2635.0	7488.3	57381.	5608.6

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Sample Name: MP30159-SD1 Acquired: 3/23/2016 14:04:28 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0031	257.3	2840	7232	0.0119	130.0	-0.0008	3.025	3.806
Stddev	0.0016	.4	0.0047	0.0037	0.0002	.4	0.0003	0.0005	0.0013
%RSD	50.96	.1369	1.671	5.070	2.060	3.041	39.33	.1533	.3329

#1	-0.0013	257.1	2821	7190	0.0120	129.7	-0.0012	3.024	3.812
#2	-0.0043	257.1	2894	7250	0.0116	129.8	-0.0006	3.021	3.791
#3	-0.0037	257.7	2804	7256	0.0121	130.4	-0.0007	3.030	3.814

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	7081	533.2	37.42	110.3	5.854	0.021	17.06	7.293	2.951
Stddev	0.0014	.6	.32	.2	.009	0.0004	.09	0.0007	0.0049
%RSD	.1911	.1124	.8679	1.718	.1553	16.53	.5165	.0909	1.658

#1	7083	532.5	37.09	110.3	5.852	0.024	17.15	7.285	2.897
#2	7093	533.7	37.74	110.1	5.846	0.023	17.06	7.296	2.967
#3	7067	533.4	37.45	110.4	5.864	0.017	16.97	7.298	2.991

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0012	-0.0068	2.615	0.0229	1.595	3.839	-0.0007	4.974	2.114
Stddev	0.0054	0.0092	0.008	0.0008	0.002	0.0009	0.0069	0.0014	0.004
%RSD	461.5	135.4	2.922	3.528	.1320	2.395	1051.	.2827	.2031

#1	-0.0048	0.0005	2.606	0.0226	1.594	3.850	-0.0025	4.970	2.112
#2	0.0029	-0.0171	2.619	0.0222	1.593	3.832	0.0070	4.963	2.112
#3	0.0055	-0.0037	2.620	0.0238	1.597	3.836	-0.0064	4.990	2.119

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2773.5	6142.5	47126.	4520.9
Stddev	3.9	13.3	155.	10.8
%RSD	.14160	.21614	.32903	.23821

#1	2777.3	6142.6	47197.	4519.1
#2	2773.5	6155.8	47232.	4532.5
#3	2769.5	6129.2	46948.	4511.2

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Sample Name: MP30159-PS1 Acquired: 3/23/2016 14:08:47 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0345	191.2	.2867	.7298	.0459	97.26	.0387	.2445	.3057
Stddev	.0006	.4	.0004	.0006	.0001	.41	.0002	.0007	.0005
%RSD	1.603	.1913	.1452	.0761	.2982	.4257	.6264	.2902	.1497
#1	.0339	190.7	.2868	.7298	.0459	96.82	.0390	.2450	.3054
#2	.0345	191.3	.2863	.7292	.0460	97.33	.0385	.2449	.3054
#3	.0350	191.4	.2871	.7303	.0457	97.64	.0387	.2437	.3062
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6011	364.3	35.27	83.25	F 4.007	.0770	20.04	.5721	.3272
Stddev	.0015	1.7	.08	.55	.018	.0002	.02	.0003	.0017
%RSD	.2519	.4611	.2366	.6665	.4445	.2896	.0949	.0573	.5260
#1	.6013	362.4	35.18	82.66	3.997	.0772	20.03	.5724	.3279
#2	.5995	364.9	35.28	83.33	4.027	.0768	20.04	.5720	.3252
#3	.6025	365.6	35.34	83.76	3.995	.0771	20.06	.5718	.3284
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0806	.0751	1.991	.0503	1.200	.3468	.0906	.3905	1.606
Stddev	.0024	.0010	.003	.0002	.003	.0007	.0013	.0009	.001
%RSD	2.997	1.361	.1317	.4350	.2776	.2143	1.478	.2311	.0707
#1	.0817	.0758	1.992	.0506	1.197	.3461	.0891	.3908	1.607
#2	.0822	.0756	1.993	.0502	1.199	.3466	.0912	.3894	1.605
#3	.0778	.0739	1.988	.0502	1.203	.3476	.0916	.3911	1.605
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2597.7	7610.0	58496.	5767.4					
Stddev	3.7	6.7	175.	37.0					
%RSD	.14412	.08777	.29912	.64095					
#1	2600.8	7608.3	58545.	5808.4					
#2	2598.6	7604.3	58301.	5757.1					
#3	2593.5	7617.3	58640.	5736.6					

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Sample Name: MP30159-S1 Acquired: 3/23/2016 14:13:10 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0327	246.0	1.551	2.036	.0452	106.8	.0376	.5785	.4383
Stddev	.0005	.4	.001	.002	.0001	.5	.0002	.0013	.0017
%RSD	1.473	.1805	.0698	.0806	.2814	.4544	.6111	.2202	.3819
#1	.0329	246.3	1.549	2.035	.0454	107.2	.0373	.5778	.4380
#2	.0331	245.5	1.551	2.035	.0451	106.3	.0378	.5778	.4401
#3	.0322	246.2	1.552	2.038	.0453	106.8	.0376	.5800	.4368
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7564	F 405.1	49.10	100.5	F 4.282	.2433	31.20	.8706	.7466
Stddev	.0032	2.8	.10	.6	.041	.0006	.07	.0004	.0012
%RSD	.4247	.6968	.2103	.5701	.9540	.2369	.2134	.0451	.1671
#1	.7597	407.2	49.19	100.9	4.310	.2428	31.26	.8702	.7452
#2	.7533	401.9	48.99	99.87	4.300	.2433	31.13	.8705	.7475
#3	.7563	406.3	49.12	100.8	4.235	.2440	31.22	.8710	.7471
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0636	1.344	2.302	.3305	1.510	.4893	1.698	.7546	1.849
Stddev	.0017	.004	.004	.0004	.002	.0009	.004	.0011	.002
%RSD	2.751	.3170	.1944	.1237	.1614	.1773	.2116	.1481	.1015
#1	.0617	1.340	2.298	.3302	1.513	.4901	1.699	.7537	1.851
#2	.0652	1.344	2.302	.3304	1.509	.4884	1.694	.7558	1.847
#3	.0638	1.349	2.307	.3309	1.509	.4892	1.702	.7541	1.849
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2579.2	7655.6	58709.	5721.4					
Stddev	2.8	4.4	252.	39.5					
%RSD	.10917	.05765	.42960	.69051					
#1	2576.0	7657.1	58598.	5693.1					
#2	2581.5	7659.0	58530.	5766.5					
#3	2579.9	7650.6	58997.	5704.5					

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Sample Name: MP30159-S2 Acquired: 3/23/2016 14:17:41 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0331	245.0	1.594	2.090	.0460	108.2	.0375	.5933	.4396
Stddev	.0003	1.0	.003	.005	.0002	.5	.0001	.0010	.0009
%RSD	.7997	.4072	.2095	.2534	.4291	.4542	.3897	.1713	.2135
#1	.0329	246.0	1.593	2.093	.0462	108.7	.0374	.5944	.4406
#2	.0334	244.9	1.591	2.094	.0460	108.0	.0374	.5927	.4395
#3	.0330	244.0	1.597	2.084	.0458	107.7	.0376	.5927	.4387
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7244	394.3	49.37	98.89	F 4.402	.2588	31.42	.8768	.7295
Stddev	.0019	1.5	.21	.56	.015	.0001	.11	.0012	.0021
%RSD	.2595	.3874	.4274	.5690	.3307	.0365	.3440	.1358	.2934
#1	.7225	395.8	49.60	99.43	4.400	.2589	31.53	.8777	.7290
#2	.7263	394.3	49.30	98.94	4.417	.2588	31.40	.8755	.7276
#3	.7243	392.7	49.20	98.31	4.388	.2588	31.32	.8773	.7318
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0696	1.384	2.374	.3385	1.510	.5331	1.735	.7414	1.786
Stddev	.0009	.004	.001	.0009	.005	.0007	.005	.0010	.006
%RSD	1.256	.2966	.0225	.2624	.3499	.1366	.3035	.1403	.3345
#1	.0700	1.389	2.374	.3392	1.516	.5331	1.729	.7421	1.791
#2	.0701	1.382	2.375	.3375	1.509	.5339	1.740	.7402	1.779
#3	.0686	1.381	2.374	.3388	1.506	.5324	1.736	.7418	1.787
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2570.3	7553.9	58059.	5624.3					
Stddev	12.1	10.2	115.	52.0					
%RSD	.46984	.13437	.19842	.92417					
#1	2582.7	7562.3	57980.	5566.3					
#2	2569.7	7556.8	58192.	5639.9					
#3	2558.5	7542.7	58007.	5666.7					

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Sample Name: FA32302-1 Acquired: 3/23/2016 14:22:05 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0023	314.4	.0406	2.105	.0154	74.32	.0041	.2328	.5119
Stddev	.0005	2.1	.0005	.006	.0002	.19	.0002	.0001	.0024
%RSD	19.82	.6641	1.315	.2775	1.130	.2492	5.829	.0335	.4623
#1	-.0025	316.5	.0401	2.111	.0156	74.51	.0039	.2328	.5096
#2	-.0018	314.6	.0406	2.106	.0153	74.30	.0044	.2327	.5143
#3	-.0026	312.3	.0412	2.099	.0154	74.14	.0042	.2328	.5117
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2603	F 452.9	41.25	152.8	F 6.042	.0110	6.135	.4486	.2864
Stddev	.0003	1.5	.09	.4	.031	.0002	.014	.0006	.0019
%RSD	.1303	.3327	.2167	.2583	.5154	1.888	.2238	.1327	.6782
#1	.2600	454.3	41.35	153.3	6.022	.0108	6.149	.4487	.2847
#2	.2603	453.3	41.17	152.8	6.026	.0110	6.122	.4480	.2885
#3	.2606	453.1	41.21	152.5	6.078	.0112	6.133	.4492	.2861
Elem	Sb2068	Se1960							

Sample Name: FA32410-2 Acquired: 3/23/2016 14:26:54 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.022	221.3	1671	5594	0102	105.3	0021	1766	3205
Stddev	0.003	.3	.0014	.0012	.0001	.2	.0001	.0002	.0007
%RSD	12.55	.1553	.8379	.2222	1.037	.1595	3.464	.1030	.2086
#1	-0.019	221.2	1662	5596	.0101	105.1	.0021	1764	3198
#2	-0.024	221.1	1687	5605	.0103	105.4	.0020	1767	3211
#3	-0.022	221.7	1663	5581	.0102	105.3	.0021	1768	3207
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	4688	335.1	31.01	101.3	3.108	0035	12.73	5060	2808
Stddev	0.002	.8	.06	.3	.003	.0002	.03	.0005	.0007
%RSD	.0452	.2327	.1932	.2736	.0826	4.895	.2439	.1040	.2421
#1	4687	334.5	30.94	101.2	3.106	.0037	12.71	5055	2803
#2	4686	334.8	31.06	101.1	3.111	.0033	12.77	5065	2816
#3	4690	336.0	31.02	101.6	3.108	.0035	12.73	5061	2806
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	0018	0067	1973	0179	1183	2825	-0018	3787	1459
Stddev	0.002	.0011	.001	.0001	.003	.0001	.0018	.0009	.003
%RSD	11.12	16.05	.0561	.4412	.2739	.0301	97.42	.2311	.2112
#1	.0017	.0056	1.974	.0179	1.183	2825	-.0031	3784	1.456
#2	.0021	.0078	1.972	.0180	1.186	2826	-.0026	3780	1.462
#3	.0017	.0068	1.972	.0178	1.179	2825	.0002	3797	1.458
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2596.3	7951.9	61223	5930.3					
Stddev	9.8	16.9	130.	46.5					
%RSD	.37751	.21311	.21278	.78409					
#1	2596.4	7958.7	61247.	5979.8					
#2	2606.1	7964.5	61082.	5923.5					
#3	2586.5	7932.7	61340.	5887.6					

Sample Name: FA32410-3 Acquired: 3/23/2016 14:31:19 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.026	257.0	2248	5606	0128	65.66	0060	2392	3469
Stddev	0.003	1.4	.0004	.0030	.0001	.40	.0004	.0005	.0016
%RSD	12.85	.5304	.1899	.5306	.6700	6.020	6.983	.2057	.4590
#1	-0.029	258.3	2253	5626	.0128	66.07	.0056	2389	3467
#2	-0.026	257.1	2245	5621	.0128	65.63	.0061	2389	3455
#3	-0.022	255.6	2245	5572	.0127	65.28	.0064	2397	3486
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5106	404.5	29.48	74.93	1.564	0047	4.520	5107	3002
Stddev	0.015	4.7	.11	.52	.011	.0003	.013	.0010	.0004
%RSD	.2901	1.168	.3648	.6988	.6946	6.481	.2882	.1918	.1355
#1	.5122	409.8	29.58	75.52	1.576	.0046	4.528	5110	2999
#2	.5103	403.1	29.50	74.75	1.559	.0045	4.528	5096	3007
#3	.5093	400.7	29.36	74.52	1.556	.0051	4.505	5115	3001
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0030	0717	1905	0179	9377	3386	-0026	4847	1784
Stddev	0.015	.0032	.006	.0002	.0037	.0008	.0015	.0005	.001
%RSD	51.43	4.451	.3363	1.046	.3938	.2492	58.87	1.112	.0320
#1	.0016	.0731	1.905	.0178	.9417	3383	-.0029	4851	1.785
#2	.0047	.0740	1.899	.0181	.9371	3379	-.0009	4841	1.784
#3	.0027	.0681	1.912	.0179	.9344	3395	-.0039	4850	1.784
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2657.8	8071.9	62053.	5934.2					
Stddev	3.5	26.3	297.	41.8					
%RSD	.13315	.32581	.47876	.70403					
#1	2653.7	8077.1	61979.	5887.8					
#2	2659.7	8095.2	62380.	5945.8					
#3	2660.0	8043.4	61800.	5968.9					

7.1
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Sample Name: FA32432-1 Acquired: 3/23/2016 14:35:53 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	58.71	0097	1999	0019	46.07	0009	0023	0494
Stddev	0.001	.25	.0003	.0007	.0000	.25	.0000	.0000	.0005
%RSD	16.41	4.245	2.806	3.457	1.056	5.393	2.995	1.391	1.023
#1	-0.004	58.94	0094	2007	0019	46.30	0009	0023	0488
#2	-0.004	58.74	0100	1995	0019	46.11	0009	0023	0496
#3	-0.005	58.45	0097	1995	0018	45.81	0009	0022	0498
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0234	18.02	1289	1377	0787	0019	5260	0157	1474
Stddev	0.001	.10	.018	.014	.002	.0001	.0098	.0001	.0004
%RSD	.5793	.5358	1.355	1.034	.2262	7.419	1.864	.4480	.3012
#1	.0234	18.12	1.299	1.370	.0787	.0017	5354	.0158	1470
#2	.0233	18.01	1.300	1.393	.0785	.0019	5267	.0156	1474
#3	.0236	17.93	1.269	1.367	.0789	.0020	5158	.0157	1479
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0004	0043	1921	0134	3738	2646	-0031	0344	0869
Stddev	0.006	.0006	.007	.0002	.0013	.0006	.0003	.0003	.0003
%RSD	153.6	14.09	.3910	1.854	.3588	2.319	10.68	.9196	.3202
#1	-.0003	.0036	1.914	.0134	.3751	2640	-.0035	.0347	0872
#2	-.0008	.0046	1.921	.0131	.3724	2652	-.0029	.0341	0866
#3	-.0006	.0048	1.929	.0136	.3737	2646	-.0029	.0345	0869
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2820.0	6163.8	47908.	4354.7					
Stddev	2.1	10.1	231.	52.5					
%RSD	.07398	.16417	.48240	1.2049					
#1	2821.8	6171.1	48119.	4339.3					
#2	2820.6	6168.1	47942.	4311.7					
#3	2817.7	6152.3	47661.	4413.2					

Sample Name: CCV Acquired: 3/23/2016 14:40:13 Type: QC
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2666	42.30	2.082	2.152	2.015	40.62	2.139	2.169	2.085
Stddev	.0008	.17	.002	.004	.009	.10	.003	.004	.005
%RSD	.2917	.3943	.1138	.1931	.4312	.2407	.1226	.1702	.2340
#1	2666	42.48	2.083	2.156	2.020	40.65	2.141	2.171	2.082
#2	2673	42.14	2.079	2.148	2.005	40.52	2.140	2.171	2.090
#3	2658	42.29	2.083	2.150	2.019	40.71	2.136	2.165	2.082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2090	40.06	41.48	39.99	2.031	2.155	41.41	2.112	2.019
Stddev	.004	.15	.09	.21	.013	.005	.07	.002	.003
%RSD	.2029	.3848	.2214	.5336	.6216	.2137	.1667	.0911	.1578
#1	2087	40.20	41.57	40.04	2.019	2.155	41.48	2.113	2.019
#2	2095	39.89	41.47	39.76	2.029	2.159	41.34	2.114	2.016
#3	2088	40.09	41.39	40.18	2.044	2.150	41.40	2.110	2.023
Check ?	Chk Pass	Chk Pass	Chk Pass						

Sample Name: CCV Acquired: 3/23/2016 14:40:13 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2546.7	5406.6	4205.3	3960.4
Stddev	5.8	5.1	85.	7.0
%RSD	.22685	.09478	.20327	.17675
#1	2547.8	5410.0	42151.	3957.2
#2	2551.8	5400.7	42019.	3968.4
#3	2540.4	5409.0	41991.	3955.5

Sample Name: CCB Acquired: 3/23/2016 14:44:33 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0001	.0112	-.0001	-.0001	.0002	.0065	.0001	.0002	-.0001
Stddev	.0002	.0027	.0006	.0003	.0001	.0009	.0000	.0000	.0001
%RSD	208.1	24.15	919.8	409.5	28.83	13.43	53.57	58.76	72.32
#1	.0003	.0140	.0006	.0002	.0002	.0063	.0000	.0004	-.0001
#2	.0001	.0087	-.0003	-.0003	.0003	.0057	.0001	.0002	.0000
#3	-.0001	.0108	-.0005	-.0001	.0002	.0074	.0001	.0001	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-.0002	.0101	.0485	.0169	.0002	.0004	.0515	.0002	.0006
Stddev	.0001	.0020	.0333	.0288	.0000	.0003	.0077	.0000	.0003
%RSD	71.64	20.19	68.61	169.9	24.00	62.94	14.89	28.68	60.49
#1	-.0004	.0120	.0186	.0450	.0002	.0007	.0600	.0001	.0008
#2	-.0001	.0105	.0426	.0184	.0002	.0005	.0451	.0002	.0002
#3	-.0001	.0079	.0843	-.0125	.0001	.0001	.0494	.0001	.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0008	-.0003	.0017	-.0001	.0004	.0000	.0002	.0002	-.0006
Stddev	.0003	.0025	.0003	.0004	.0000	.0001	.0005	.0002	.0000
%RSD	35.89	731.7	17.97	563.6	3.169	823.4	223.7	70.01	4.077
#1	.0011	.0016	.0014	-.0002	.0004	.0001	.0004	.0001	-.0006
#2	.0007	.0005	.0019	.0003	.0004	.0001	.0006	.0002	-.0006
#3	.0005	-.0032	.0019	-.0004	.0004	-.0001	-.0003	.0004	-.0006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.1
7

Sample Name: CCB Acquired: 3/23/2016 14:44:33 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2980.7	5728.6	44848.	4116.5
Stddev	6.5	10.1	135.	18.2
%RSD	.21972	.17583	.30186	.44121
#1	2983.1	5737.2	44860.	4135.1
#2	2973.3	5717.5	44978.	4098.8
#3	2985.7	5731.2	44708.	4115.5

Sample Name: FA32159-1 Acquired: 3/23/2016 14:49:03 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-.0015	219.4	.1487	.7777	.0100	56.84	.0041	.4645	.2967
Stddev	.0004	.4	.0011	.0024	.0001	.10	.0005	.0005	.0006
%RSD	24.49	.1768	.7673	.3116	.9273	.1826	11.95	.1073	.1969
#1	-.0012	219.5	.1489	.7772	.0101	56.77	.0037	.4651	.2974
#2	-.0014	219.0	.1497	.7755	.0099	56.80	.0047	.4645	.2967
#3	-.0019	219.7	.1475	.7803	.0099	56.96	.0040	.4641	.2962

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_3710)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.4817	F 412.7	29.14	79.22	F 10.74	.0139	7.176	.4011	.2062
Stddev	.0010	5.1	.11	.35	.07	.0002	.029	.0009	.0009
%RSD	.2015	1.239	.3891	.4417	.6668	1.530	.4041	.2210	.4246
#1	.4809	416.7	29.02	78.83	10.67	.0141	7.157	.4018	.2051
#2	.4813	406.9	29.14	79.50	10.75	.0137	7.162	.4001	.2066
#3	.4828	414.5	29.25	79.33	10.81	.0141	7.209	.4014	.2067

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.0047	.0342	2.178	.0217	.9798	.2815	.0002	.4491	1.543
Stddev	.0012	.0017	.002	.0002	.0019	.0004	.0017	.0002	.004
%RSD	25.20	4.991	.0976	.9918	.1951	.1450	1025.	.0528	.2282
#1	.0047	.0353	2.180	.0216	.9776	.2820	.0019	.4489	1.547
#2	.0059	.0350	2.176	.0215	.9808	.2814	.0000	.4493	1.541
#3	.0035	.0322	2.178	.0219	.9810	.2812	-.0015	.4492	1.541

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2669.4	7505.3	58290.	5585.2
Stddev	5.8	3.5	135.	20.1
%RSD	.21908	.04617	.23216	.35971
#1	2669.7	7501.3	58447.	5562.1
#2	2675.1	7507.2	58211.	5595.1
#3	2663.5	7507.4	58213.	5598.5

Sample Name: FA32395-1 Acquired: 3/23/2016 14:53:36 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.013	7.951	0.306	1.058	0.011	F 1250.	0.010	0.038	0.364
Stddev	0.004	0.055	0.016	0.004	0.001	7.	0.000	0.001	0.003
%RSD	30.49	0.6860	5.333	4.086	6.267	5.523	3.038	1.860	7.005
#1	-0.017	7.898	0.317	1.059	0.012	1243.	0.010	0.039	0.367
#2	-0.012	8.007	0.314	1.061	0.011	1257.	0.011	0.038	0.362
#3	-0.009	7.947	0.287	1.053	0.012	1251.	0.010	0.038	0.364
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	0.040	16.49	8.040	9.848	1.133	0.312	11.71	0.124	0.128
Stddev	0.002	0.10	0.504	0.85	0.004	0.000	0.05	0.001	0.003
%RSD	6.081	0.6190	6.265	8.664	0.3610	0.1261	0.4333	0.6788	2.467
#1	0.041	16.39	8.592	9.766	1.137	0.312	11.65	0.124	0.125
#2	0.041	16.59	7.924	9.936	1.129	0.312	11.75	0.125	0.126
#3	0.037	16.50	7.605	9.842	1.132	0.311	11.72	0.123	0.131
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	-0.022	0.089	2.030	0.122	F 7.220	1.407	0.020	0.340	0.154
Stddev	0.003	0.011	0.06	0.001	0.109	0.003	0.015	0.003	0.001
%RSD	12.02	12.31	2.735	1.212	1.512	2.167	76.21	9.225	5.454
#1	-0.020	0.099	2.025	0.122	7.099	1.409	0.025	0.338	0.153
#2	-0.025	0.092	2.030	0.123	7.252	1.409	0.003	0.344	0.154
#3	-0.022	0.077	2.036	0.120	7.310	1.404	0.032	0.339	0.154
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2245.7	5910.9	46050.	4612.5					
Stddev	6	13.5	278.	50.6					
%RSD	0.2538	2.2783	0.60377	1.0967					
#1	2246.1	5899.8	45775.	4659.6					
#2	2245.0	5925.9	46331.	4559.0					
#3	2246.0	5907.0	46042.	4618.7					

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Sample Name: FA32451-1 Acquired: 3/23/2016 14:58:13 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.055	F 744.5	0.286	3.387	0.199	9.153	0.018	7.002
Stddev	0.026	7.5	0.003	0.049	0.0037	0.051	0.014	0.297
%RSD	47.18	1.005	9.507	1.433	18.47	0.5544	75.56	4.240
#1	-0.025	745.5	0.286	3.381	0.241	9.094	0.002	6.659
#2	-0.068	751.5	0.290	3.439	0.177	9.179	0.025	7.175
#3	-0.071	736.6	0.284	3.342	0.178	9.185	0.028	7.171
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	0.1232	0.0849	339.2	F 101.5	88.98	3.841	0.015	7.158
Stddev	0.006	0.039	2.2	2	30	0.015	0.002	0.037
%RSD	4.725	4.544	0.6503	1.819	34.16	0.3827	10.38	0.5131
#1	0.1235	0.0894	339.2	101.5	88.96	3.858	0.014	7.138
#2	0.1225	0.0829	341.4	101.7	89.30	3.834	0.014	7.136
#3	0.1235	0.0825	337.0	101.3	88.69	3.831	0.017	7.201
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	0.1230	0.4299	0.016	-0.014	1.092	0.099	0.066	0.154
Stddev	0.003	0.024	0.038	0.034	0.01	0.004	0.001	0.001
%RSD	2.241	5.588	237.7	250.0	1.190	3.569	1.907	0.666
#1	0.1228	0.4281	-0.028	0.024	1.093	0.097	0.065	0.153
#2	0.1233	0.4326	0.035	-0.042	1.091	0.103	0.067	0.154
#3	0.1228	0.4289	0.041	-0.023	1.093	0.097	0.066	0.154
Elem	Tl1908	V_2924	Zn2062					
IS Ref	(ln2306)	(Y_3600)	(Y_2243)					
Avg	F -0.0483	0.8216	8.471					
Stddev	0.0094	0.028	0.013					
%RSD	19.50	3.416	1.499					
#1	-0.0374	0.8184	8.463					
#2	-0.0546	0.8234	8.485					
#3	-0.0528	0.8231	8.464					

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Sample Name: FA32451-2 Acquired: 3/23/2016 15:03:06 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.043	F 872.6	0.355	1.469	0.107	9.773	-0.014	1.885
Stddev	0.005	6.1	0.022	0.02	0.001	0.039	0.004	0.03
%RSD	12.56	6.963	6.217	1.298	5.545	4.026	25.04	1.507
#1	-0.041	879.2	0.367	1.470	0.107	9.792	-0.011	1.885
#2	-0.040	867.2	0.330	1.470	0.108	9.799	-0.018	1.882
#3	-0.050	871.4	0.369	1.466	0.107	9.727	-0.013	1.888
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	0.1862	0.1378	388.7	39.23	35.94	2.931	0.049	3.157
Stddev	0.005	0.012	3.7	0.2	0.1	0.024	0.001	0.049
%RSD	2.476	8.595	9.573	0.576	0.315	0.8320	1.643	1.543
#1	0.1859	0.1366	385.0	39.20	35.95	2.958	0.049	3.201
#2	0.1859	0.1390	392.5	39.24	35.95	2.910	0.050	3.105
#3	0.1867	0.1378	388.6	39.24	35.93	2.927	0.048	3.166
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	0.1159	0.4157	-0.033	0.010	1.528	0.225	0.0578	F 11.10
Stddev	0.004	0.005	0.010	0.053	0.02	0.005	0.002	0.08
%RSD	3.820	1.211	29.12	516.5	1.480	2.352	2.639	0.7476
#1	0.1164	0.4160	-0.033	-0.004	1.527	0.221	0.0579	11.03
#2	0.1157	0.4151	-0.023	-0.069	1.527	0.231	0.0579	11.19
#3	0.1155	0.4159	-0.043	-0.034	1.531	0.222	0.0576	11.07
Elem	Tl1908	V_2924	Zn2062					
IS Ref	(ln2306)	(Y_3600)	(Y_2243)					
Avg	F -0.0169	0.8478	5.448					
Stddev	0.023	0.017	0.004					
%RSD	13.47	2.020	0.667					
#1	-0.0182	0.8497	5.444					
#2	-0.0143	0.8469	5.450					
#3	-0.0182	0.8467	5.450					

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Sample Name: FA32451-2 Acquired: 3/23/2016 15:03:06 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2564.1	9573.0	69599.	6562.6
Stddev	2.9	12.8	45.	44.3
%RSD	.11420	.13330	.06421	.67533
#1	2560.7	9571.9	69548.	6613.6
#2	2565.8	9586.2	69633.	6534.0
#3	2565.7	9560.8	69616.	6540.1

Sample Name: FA32451-3 Acquired: 3/23/2016 15:07:54 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.034	F 898.1	.0372	2.393	.0180	4.231	-0.026	F 7.772
Stddev	.0004	5.8	.0008	.010	.0001	.008	.0002	.007
%RSD	12.39	.6413	2.241	.4210	.3113	.1950	7.723	.0889
#1	-.0037	903.6	.0363	2.387	.0180	4.223	-.0024	7.768
#2	-.0036	898.7	.0375	2.388	.0179	4.239	-.0028	7.780
#3	-.0029	892.1	.0379	2.405	.0180	4.232	-.0028	7.768
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.1626	.1979	F 447.0	63.40	63.31	3.563	.0075	.3996
Stddev	.0003	.0005	.9	.08	.09	.019	.0003	.0046
%RSD	.1913	.2432	.1935	.1241	.1475	.5309	3.878	1.151
#1	.1630	.1981	446.6	63.37	63.30	3.569	.0073	.3952
#2	.1624	.1973	446.5	63.33	63.40	3.577	.0074	.3992
#3	.1624	.1982	448.0	63.48	63.22	3.541	.0078	.4044
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)
Avg	.1533	.3357	F -.0186	.0273	1.455	.0191	.0914	F 20.42
Stddev	.0002	.0029	.0017	.0023	.001	.0004	.0001	.10
%RSD	.1504	.8687	8.956	8.562	.0461	1.973	1.439	.4815
#1	.1531	.3323	-.0197	.0280	1.456	.0186	.0916	20.53
#2	.1535	.3374	-.0194	.0247	1.456	.0193	.0914	20.35
#3	.1534	.3373	-.0167	.0292	1.455	.0193	.0913	20.38
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	F -.0113	1.013	.8934					
Stddev	.0046	.003	.0020					
%RSD	40.57	.2711	.2257					
#1	-.0103	1.013	.8918					
#2	-.0163	1.011	.8957					
#3	-.0073	1.016	.8927					

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Sample Name: FA32451-3 Acquired: 3/23/2016 15:07:54 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2523.1	10273.	74484.	6949.9
Stddev	9.6	17.	477.	27.0
%RSD	.38213	.16155	.63992	.38884
#1	2522.5	10254.	73938.	6946.7
#2	2533.0	10282.	74818.	6978.3
#3	2513.8	10284.	74696.	6924.6

Sample Name: FA32451-4 Acquired: 3/23/2016 15:12:44 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.0036	F 844.4	.0465	1.132	.0096	5.927	-0.0031	F 4.332
Stddev	.0001	8.4	.0009	.000	.0001	.011	.0001	.007
%RSD	3.955	.9966	1.943	.0053	.5981	.1880	4.507	.1565
#1	-.0034	849.9	.0465	1.132	.0096	5.936	-.0031	4.328
#2	-.0036	848.5	.0455	1.132	.0096	5.932	-.0032	4.329
#3	-.0037	834.7	.0473	1.133	.0097	5.915	-.0029	4.340
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.2115	.1534	F 426.6	26.72	25.15	2.490	.0072	.2941
Stddev	.0001	.0001	.9	.06	.07	.018	.0003	.0130
%RSD	.0706	.0482	.2020	.2224	.2888	.7087	4.317	4.410
#1	.2116	.1534	427.0	26.79	25.22	2.469	.0071	.3067
#2	.2113	.1534	427.1	26.71	25.16	2.500	.0070	.2949
#3	.2114	.1535	425.6	26.67	25.07	2.500	.0076	.2808
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.1191	.3680	F -.0080	.0151	2.355	.0274	.0742	F 9.593
Stddev	.0002	.0026	.0019	.0034	.005	.0004	.0002	.044
%RSD	.1986	.6934	24.19	22.75	.1985	1.438	.3009	.4594
#1	.1189	.3671	-.0091	.0146	2.352	.0275	.0741	9.546
#2	.1192	.3661	-.0092	.0188	2.354	.0270	.0745	9.599
#3	.1193	.3709	-.0058	.0120	2.361	.0277	.0741	9.633
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	F -.0136	.9405	.8200					
Stddev	.0019	.0015	.0008					
%RSD	13.75	.1600	.0946					
#1	-.0157	.9401	.8195					
#2	-.0132	.9422	.8195					
#3	-.0120	.9393	.8208					

Sample Name: FA32451-4 Acquired: 3/23/2016 15:12:44 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2615.9	7386.4	54299.	5011.8
Stddev	6.6	11.3	132.	26.7
%RSD	.25365	.15272	.24315	.53250
#1	2623.3	7399.3	54451.	4989.1
#2	2610.5	7378.2	54235.	5005.1
#3	2613.8	7381.7	54212.	5041.2

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Sample Name: FA32414-1 Acquired: 3/23/2016 15:17:23 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.009	100.6	.1388	.9571	.0064	F 1122.	.0098	.1203	.1559
Stddev	.0009	.6	.0013	.0041	.0001	5.	.0001	.0001	.0002
%RSD	98.18	.5975	.9361	.4306	1.475	.4139	.9370	.0698	.1138
#1	-0.019	101.1	.1375	.9613	.0064	1124.	.0097	.1203	.1557
#2	-0.005	99.92	.1389	.9531	.0064	1116.	.0099	.1202	.1559
#3	-0.003	100.8	.1401	.9570	.0065	1125.	.0098	.1203	.1561
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3160	245.4	12.58	166.7	F 5.649	.0202	1.623	2.284	1.376
Stddev	.0013	1.3	.10	.9	.025	.0001	.009	.0002	.002
%RSD	.4079	.5281	.7938	.5273	.4491	.3201	.5577	.0685	.1658
#1	.3173	246.3	12.68	167.2	5.653	.0202	1.633	2.285	1.377
#2	.3147	243.9	12.48	165.6	5.621	.0202	1.621	2.282	1.378
#3	.3161	245.9	12.57	167.1	5.671	.0203	1.615	2.283	1.374
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0001	.0026	2.047	.0359	.7617	1.028	.0032	1.952	1.969
Stddev	.0019	.0008	.002	.0003	.0035	.002	.0034	.0004	.004
%RSD	1578.	28.85	.0819	.8644	.4606	.2366	106.3	.1976	.1764
#1	-0.018	.0021	2.045	.0359	.7657	1.025	.0058	.1948	1.965
#2	.0020	.0023	2.048	.0356	.7592	1.030	-.0007	.1956	1.970
#3	.0002	.0035	2.047	.0362	.7601	1.027	.0046	.1952	1.971
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2250.6	6539.5	51182.	4992.8					
Stddev	4.2	3.9	92.	42.7					
%RSD	.18617	.05978	.18030	.85488					
#1	2247.3	6542.2	51076.	4978.1					
#2	2249.2	6535.0	51245.	5040.9					
#3	2255.3	6541.2	51225.	4959.4					

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Sample Name: FA32414-2 Acquired: 3/23/2016 15:21:57 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.002	93.87	.1181	1.059	.0072	F 730.7	.0190	.1109	.1527
Stddev	.0001	.17	.0012	.003	.0001	6.3	.0000	.0002	.0002
%RSD	55.77	.1861	.9798	.2653	1.138	.8680	.2455	.1957	.1115
#1	-0.002	93.79	.1192	1.059	.0072	727.4	.0191	.1110	.1525
#2	-0.001	93.75	.1169	1.056	.0072	738.0	.0191	.1106	.1528
#3	-0.003	94.07	.1181	1.062	.0073	726.7	.0190	.1109	.1528
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4233	269.5	9.371	143.4	F 4.884	.0170	1.394	2.229	2.550
Stddev	.0015	.3	.040	.3	.020	.0003	.006	.0005	.004
%RSD	.3606	.1235	.4211	.2226	.4161	1.687	.4205	.2289	.1436
#1	.4226	269.1	9.409	143.4	4.898	.0171	1.394	2.226	2.548
#2	.4250	269.6	9.330	143.1	4.861	.0171	1.400	2.235	2.547
#3	.4222	269.8	9.372	143.7	4.893	.0166	1.388	2.226	2.554
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0009	.0010	1.722	.0702	.5928	1.167	.0005	2.011	F 4.008
Stddev	.0011	.0032	.000	.0004	.0009	.001	.0022	.0005	.002
%RSD	124.2	313.4	.0166	.6033	.1481	.0726	403.8	.2388	.0544
#1	.0008	-.0002	1.721	.0706	.5933	1.168	-.0019	2.006	4.010
#2	.0020	-.0014	1.722	.0703	.5934	1.166	.0023	2.015	4.007
#3	-.0002	.0046	1.722	.0698	.5918	1.168	.0012	2.013	4.006
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2341.8	6511.9	51422.	4917.0					
Stddev	5.4	10.9	85.	22.2					
%RSD	.23260	.16724	.16442	.45155					
#1	2338.9	6501.2	51483.	4935.7					
#2	2348.1	6523.0	51457.	4922.9					
#3	2338.3	6511.6	51325.	4892.4					

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Sample Name: FA32414-3 Acquired: 3/23/2016 15:26:31 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.010	86.76	.1292	1.329	.0083	F 903.5	.0252	.1065	.1792
Stddev	.0001	.29	.0008	.006	.0000	6.0	.0001	.0002	.0008
%RSD	9.767	.3357	.6261	.4914	.1397	.6676	.4895	.1953	.4341
#1	-0.011	86.62	.1298	1.327	.0083	896.8	.0254	.1067	.1797
#2	-0.010	87.09	.1295	1.336	.0083	908.6	.0251	.1063	.1783
#3	-0.009	86.56	.1283	1.323	.0083	905.0	.0252	.1066	.1795
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	F 13.49	349.0	8.537	124.4	F 4.677	.0334	1.820	2.481	2.964
Stddev	.18	.5	.026	.5	.020	.0002	.003	.0003	.008
%RSD	1.362	.1365	.3091	.3941	.4199	.7299	.1467	.1292	.2778
#1	13.52	348.6	8.509	124.1	4.656	.0334	1.821	2.478	2.962
#2	13.30	349.5	8.543	124.2	4.695	.0332	1.817	2.481	2.957
#3	13.66	348.7	8.561	125.0	4.680	.0337	1.821	2.484	2.973
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0020	-.0003	1.904	.1937	.6085	1.506	.0030	2.655	F 5.813
Stddev	.0007	.0010	.003	.0010	.0013	.002	.0007	.0012	.004
%RSD	34.35	304.9	.1528	.4985	.2168	.1232	24.56	4.357	.0657
#1	.0016	-.0008	1.907	.1948	.6076	1.506	.0030	2.655	5.810
#2	.0027	-.0010	1.901	.1932	.6100	1.505	.0023	2.644	5.811
#3	.0015	-.0007	1.903	.1931	.6080	1.508	.0038	2.667	5.817
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2335.8	6147.2	49506.	4709.3					
Stddev	3.4	15.4	32.	24.5					
%RSD	.14621	.25060	.06370	.51972					
#1	2332.0	6141.7	49515.	4731.2					
#2	2338.7	6135.3	49532.	4713.8					
#3	2336.5	6164.6	49471.	4682.9					

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Sample Name: FA32414-4 Acquired: 3/23/2016 15:31:12 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.007	78.48	.1320	1.164	.0058	F 888.1	.0157	.1056	.1764
Stddev	.0002	.02	.0006	.001	.0000	8.6	.0003	.0002	.0008
%RSD	28.97	.0314	.4263	.0663	.4904	.9682	1.719	.1855	.4580
#1	-.0008	78.48	.1314	1.163	.0057	896.5	.0156	.1058	.1773
#2	-.0009	78.50	.1325	1.163	.0058	888.6	.0155	.1055	.1761
#3	-.0005	78.45	.1321	1.165	.0058	879.3	.0160	.1054	.1758
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5848	291.3	9.968	165.4	F 5.040	.0182	1.537	.2230	2.456
Stddev	.0012	1.2	.059	.9	.014	.0002	.005	.0004	.001
%RSD	.2078	.4106	.5920	.5660	.2760	.9692	.3298	.1618	.0299
#1	.5834	291.2	10.03	165.0	5.053	.0183	1.531	.2231	2.456
#2	.5855	292.5	9.967	166.4	5.042	.0180	1.539	.2233	2.456
#3	.5854	290.1	9.909	164.7	5.025	.0182	1.541	.2226	2.455
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0031	-.0001	1.812	.1020	.7006	.9143	.0003	.1643	2.987
Stddev	.0002	.0024	.002	.0005	.0012	.0023	.0016	.0007	.001
%RSD	6.155	2096.	.1035	.4417	.1727	.2493	498.0	.4450	.0371
#1	.0032	.0023	1.813	.1018	.7000	.9167	-.0007	.1651	2.988
#2	.0031	-.0026	1.810	.1017	.7020	.9140	-.0005	.1637	2.986
#3	.0029	.0000	1.812	.1025	.6998	.9122	.0022	.1641	2.987
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2322.0	6203.7	4955.0	4760.8					
Stddev	2.6	3.1	330.	55.3					
%RSD	.11376	.04970	.66683	1.1614					
#1	2322.6	6204.1	49176.	4714.8					
#2	2319.1	6200.4	49669.	4745.6					
#3	2324.3	6206.6	49804.	4822.2					

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Sample Name: CCV Acquired: 3/23/2016 15:35:45 Type: QC
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2560.0	5350.8	4231.0	3867.2
Stddev	5.3	17.6	25.	5.2
%RSD	.20831	.32868	.06023	.13443
#1	2555.6	5337.3	42300.	3869.7
#2	2558.3	5344.5	42339.	3861.2
#3	2565.9	5370.7	42291.	3870.7

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Sample Name: CCV Acquired: 3/23/2016 15:35:45 Type: QC
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2663	42.28	2.062	2.149	1.997	40.24	2.133	2.181	2.056
Stddev	.0005	.02	.013	.006	.006	.09	.010	.009	.002
%RSD	.1763	.0430	.6088	.2796	.3082	.2187	.4600	.4333	.1105
#1	.2658	42.27	2.074	2.151	1.996	40.21	2.140	2.188	2.057
#2	.2668	42.27	2.063	2.142	2.004	40.34	2.138	2.185	2.053
#3	.2664	42.30	2.049	2.153	1.992	40.18	2.122	2.170	2.057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.095	40.18	40.89	39.33	1.989	2.172	40.55	2.095	1.978
Stddev	.001	.11	.10	.17	.004	.008	.03	.008	.005
%RSD	.0365	.2790	.2421	.4195	.2203	.3871	.0814	.3879	.2442
#1	2.094	40.09	40.83	39.28	1.985	2.176	40.55	2.101	1.983
#2	2.096	40.31	41.00	39.52	1.990	2.177	40.59	2.099	1.978
#3	2.095	40.15	40.83	39.20	1.994	2.162	40.52	2.086	1.973
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.074	2.113	2.594	2.044	1.981	1.970	1.971	1.968	2.065
Stddev	.003	.003	.008	.008	.004	.002	.004	.005	.010
%RSD	.1537	.1363	.3217	.3831	.1984	.0877	.2214	.2398	.4867
#1	2.072	2.110	2.597	2.049	1.981	1.972	1.969	1.973	2.071
#2	2.077	2.116	2.600	2.048	1.986	1.970	1.976	1.963	2.070
#3	2.071	2.113	2.584	2.035	1.978	1.968	1.969	1.967	2.053
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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Sample Name: CCB Acquired: 3/23/2016 15:40:04 Type: QC
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	.0092	.0002	.0002	.0003	.0312	.0000	.0001	.0000
Stddev	.0001	.0076	.0007	.0004	.0000	.0042	.0000	.0002	.000
%RSD	34.96	82.48	331.1	266.7	17.27	13.58	710.3	194.7	471.8
#1	-.0003	.0052	.0000	-.0002	.0003	.0358	.0000	.0003	.0001
#2	-.0005	.0180	.0010	.0006	.0003	.0275	.0000	-.0001	-.0001
#3	-.0004	.0044	-.0004	.0001	.0002	.0302	.0000	.0001	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0198	.0069	.0001	.0003	.0005	.0531	-.0001	.0001
Stddev	.0003	.0036	.0253	.0096	.0000	.0002	.0099	.0001	.0009
%RSD	132.7	18.40	369.2	6716.	10.09	48.47	18.57	94.35	972.6
#1	-.0001	.0225	.0304	-.0085	.0003	.0007	.0636	-.0001	.0008
#2	-.0005	.0211	.0101	.0105	.0003	.0003	.0516	-.0001	.0003
#3	.0000	.0156	-.0199	-.0016	.0002	.0004	.0440	.0000	-.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	-.0003	.0020	-.0003	.0003	.0003	-.0011	.0001	-.0006
Stddev	.0007	.0012	.0002	.0000	.0001	.0001	.0006	.0001	.0001
%RSD	137.9	402.7	9.530	16.15	35.42	32.95	51.69	58.80	9.370
#1	.0001	.0004	.0022	-.0002	.0004	.0003	-.0005	.0000	-.0005
#2	.0012	.0004	.0019	-.0003	.0003	.0003	-.0012	.0001	-.0006
#3	.0001	-.0017	.0020	-.0003	.0002	.0002	-.0016	.0001	-.0006
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 3/23/2016 15:40:04 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2985.5	5646.0	4504.6	3956.1
Stddev	8.7	2.6	67.	26.7
%RSD	.2982	.04627	.14776	.67547

#1	2982.6	5646.9	4502.8	3975.1
#2	2978.7	5643.0	4499.1	3967.6
#3	2995.3	5648.0	4512.0	3925.6

Sample Name: FA32414-5 Acquired: 3/23/2016 15:44:35 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
IS Ref	-0.004	69.96	.1033	.7149	.0052	F 974.5	.0088	.0878	.1217
Avg	.0003	.16	.0006	.0026	.0001	14.3	.0002	.0000	.0001
Stddev	.0003	.16	.0006	.0026	.0001	14.3	.0002	.0000	.0001
%RSD	76.52	.2252	.5565	.3590	1.290	1.467	1.868	.0297	.0591

#1	-0.004	69.82	.1035	.7120	.0052	969.9	.0086	.0878	.1216
#2	-0.001	69.93	.1026	.7167	.0051	963.1	.0089	.0879	.1217
#3	-0.006	70.13	.1036	.7160	.0052	990.5	.0087	.0878	.1218

Elem	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
IS Ref	.3171	187.4	9.276	127.7	3.858	.0318	1.529	.1839	1.440
Avg	.0005	.6	.012	1.0	.008	.0002	.002	.0002	.002
Stddev	.0005	.6	.012	1.0	.008	.0002	.002	.0002	.002
%RSD	.1467	.3451	.1317	.7441	.1966	.6200	.1503	.1226	.1694

#1	.3166	187.2	9.265	128.2	3.867	.0320	1.529	.1837	1.443
#2	.3175	186.8	9.274	126.6	3.852	.0317	1.532	.1839	1.438
#3	.3171	188.1	9.289	128.3	3.857	.0317	1.527	.1842	1.439

Elem	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
IS Ref	.0011	.0011	1.966	.0492	.5969	.9252	.0013	.1618	1.923
Avg	.0008	.0009	.002	.0001	.0001	.0014	.0008	.0003	.003
Stddev	.0008	.0009	.002	.0001	.0001	.0014	.0008	.0003	.003
%RSD	72.53	81.72	.1177	.2756	.0131	.1476	58.76	.2010	.1276

#1	.0010	.0014	1.963	.0491	.5969	.9255	.0017	.1622	1.922
#2	.0019	.0001	1.967	.0494	.5969	.9265	.0018	.1616	1.921
#3	.0003	.0019	1.968	.0492	.5968	.9238	.0004	.1616	1.926

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2286.9	6091.6	4831.3	4560.0
Stddev	4.8	9.3	140.	33.7
%RSD	.21136	.15201	.29052	.73855

#1	2283.0	6082.8	4831.9	4561.7
#2	2292.3	6101.3	4817.0	4592.9
#3	2285.4	6090.8	4845.0	4525.6

7.1
7

Sample Name: FA32414-6 Acquired: 3/23/2016 15:49:09 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_3600)	Cr2677 (Y_3600)
IS Ref	-0.004	81.24	.1168	.7647	.0054	F 1283.	.0084	.0982	.1386
Avg	.0003	.06	.0017	.0025	.0001	9.	.0001	.0003	.0004
Stddev	.0003	.06	.0017	.0025	.0001	9.	.0001	.0003	.0004
%RSD	91.00	.0762	1.442	.3228	1.128	.7304	1.171	.3266	.3159

#1	-0.007	81.16	.1152	.7639	.0054	1293.	.0085	.0979	.1390
#2	-0.002	81.27	.1167	.7627	.0054	1279.	.0085	.0983	.1381
#3	-0.002	81.28	.1185	.7674	.0053	1275.	.0083	.0985	.1387

Elem	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_3710)	Na5895 (Y_2243)	Ni2316 (In2306)	Pb2203 (Y_2243)
IS Ref	.3084	200.4	10.51	186.8	F 4.247	.0168	1.479	1.889	1.319
Avg	.0003	.3	.05	.3	.022	.0001	.015	.0004	.001
Stddev	.0003	.3	.05	.3	.022	.0001	.015	.0004	.001
%RSD	.1042	.1266	.5105	.1602	.5076	.6346	1.017	.2222	.0705

#1	.3081	200.4	10.44	186.7	4.272	.0169	1.463	.1892	1.320
#2	.3086	200.2	10.53	186.6	4.234	.0168	1.480	.1884	1.319
#3	.3086	200.7	10.54	187.2	4.235	.0167	1.493	.1890	1.318

Elem	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_3710)	Sr4077 (Y_3600)	Ti3349 (In2306)	Tl1908 (Y_3600)	V_2924 (Y_2243)	Zn2062 (Y_2243)
IS Ref	.0002	.0027	2.095	.0348	.7395	.9108	.0016	.1630	1.830
Avg	.0003	.0010	.002	.0004	.0022	.0017	.0014	.0003	.003
Stddev	.0003	.0010	.002	.0004	.0022	.0017	.0014	.0003	.003
%RSD	119.3	38.14	.1110	1.247	.2914	.1899	86.88	.1616	.1427

#1	.0001	.0039	2.098	.0343	.7381	.9128	.0018	.1633	1.827
#2	.0000	.0021	2.094	.0351	.7384	.9103	.0030	.1628	1.832
#3	.0005	.0021	2.093	.0350	.7420	.9095	.0001	.1629	1.832

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2172.8	6164.9	4900.8	4725.0
Stddev	4.5	8.7	171.	8.1
%RSD	.20635	.14162	.34892	.17139

#1	2170.2	6159.6	4881.0	4717.8
#2	2170.2	6160.2	4911.0	4723.6
#3	2178.0	6175.0	4910.3	4733.8

Sample Name: CRIA Acquired: 3/23/2016 15:53:43 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_3600)	Cr2677 (Y_3600)
IS Ref	.0088	.2324	.0103	.2231	.0052	1.272	.0056	.0584	.0107
Avg	.0005	.0045	.0009	.0021	.0001	.046	.0000	.0001	.0001
Stddev	.0005	.0045	.0009	.0021	.0001	.046	.0000	.0001	.0001
%RSD	6.152	1.953	8.868	.9321	1.350	3.590	.8294	.2419	.8586

#1	.0092	.2372	.0098	.2213	.0053	1.314	.0056	.0583	.0106
#2	.0089	.2319	.0114	.2227	.0052	1.278	.0057	.0586	.0108
#3	.0082	.2281	.0098	.2254	.0052	1.223	.0056	.0584	.0106

Elem	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_3710)	Na5895 (Y_2243)	Ni2316 (In2306)	Pb2203 (Y_2243)
IS Ref	.0276	.3665	10.54	1.479	.0163	.0541	10.54	.0452	.0053
Avg	.0001	.0107	.02	.059	.0001	.0003	.03	.0002	.0004
Stddev	.0001	.0107	.02	.059	.0001	.0003	.03	.0002	.0004
%RSD	.2865	2.928	.1706	1.145	.6736	.5619	.2916	.3649	7.922

#1	.0276	.3770	10.53	1.479	.0165	.0538	10.52	.0453	.0054
#2	.0275	.3670	10.53	1.479	.0163	.0540	10.57	.0450	.0057
#3	.0276	.3556	10.56	1.116	.0163	.0544	10.53	.0452	.0049

Elem	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_3710)	Sr4077 (Y_3600)	Ti3349 (In2306)	Tl1908 (Y_3600)	V_2924 (Y_2243)	Zn2062 (Y_2243)
IS Ref	.0062	.0090	.0056	.0541	.0103	.0098	.0096	.0480	.0219
Avg	.0005	.0006	.0004	.0002	.0001	.0001	.0010	.0002	.0000
Stddev	.0005	.0006	.0004	.0002	.0001	.0001	.0010	.0002	.0000
%RSD	8.509	6.900	7.446	.4478	.7507	.5598	10.63	.4851	.1402

#1	.0064	.0093	.0054	.0540	.0102	.0099	.0093	.0479	.0219
#2	.0066	.0094	.0053	.0540	.0103	.0099	.0108	.0478	.0219
#3	.0056	.0083	.0060	.0544	.0103	.0098	.0088	.0482	.0218

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2845.3	5504.0	4374.3	3876.0
Stddev	3.2	14.7	50.	15.1
%RSD	.11412	.26637	.11316	.38838

#1	2847.9	5513.0	4379.6	3880.8
#2	2846.3	5511.8	4369.9	3859.1
#3	2841.6	5487.0	4373.3	3888.1

Sample Name: ICSA Acquired: 3/23/2016 15:58:06 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.005	F 521.4	-0.004	-0.002	0.000	481.3	-0.003	-0.003
Stddev	.0005	1.5	.0016	.0005	.000	5.2	.0001	.0001
%RSD	91.76	.2846	378.6	183.5	208.3	1.084	15.05	45.11
#1	.0000	519.8	.0012	-0.0001	-0.0001	483.0	-0.0003	-0.0004
#2	-0.0007	522.7	-0.0004	-0.0001	0.0000	475.5	-0.0004	-0.0002
#3	-0.0009	521.7	-0.0020	-0.0007	-0.0001	485.5	-0.0004	-0.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(In2306)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	-0.003	0.010	190.6	0.013	497.8	-0.004	0.001	2678
Stddev	.0001	.0001	.6	.0456	2.6	.0001	.0001	.0114
%RSD	40.52	6.943	.3342	49.92	.5156	11.57	119.9	4.254
#1	-0.0002	.0010	190.5	.0533	498.6	-0.0005	.0001	2555
#2	-0.0004	.0010	189.9	.0788	495.0	-0.0004	.0000	2779
#3	-0.0002	.0009	191.2	.1418	500.0	-0.0005	.0002	2701

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	-0.001	F -0.082	0.017	0.011	0.161	-0.003	0.000	-0.004
Stddev	.0002	.0003	.0035	.0024	.0016	.0009	.000	.0002
%RSD	183.4	3.749	202.4	219.3	9.956	315.8	5277.0	41.88
#1	.0001	-0.082	.0051	-0.0002	.0179	-0.0013	.0000	-0.0003
#2	-0.0003	-0.0079	.0020	-0.0004	.0154	.0003	.0002	-0.0005
#3	-0.0002	-0.0085	-0.0019	-0.0038	.0149	.0002	-0.0002	-0.0002

Elem	Ti1908	V_2924	Zn2062
IS Ref	(In2306)	(Y_3600)	(Y_2243)
Avg	0.000	0.008	-0.004
Stddev	.0023	.0002	.0001
%RSD	2761.0	24.48	2.635
#1	-0.0018	.0010	-0.0041
#2	.0026	.0008	-0.0041
#3	-0.0008	.0006	-0.0042

Sample Name: ICSA Acquired: 3/23/2016 15:58:06 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2297.3	4926.4	38374.	3618.6
Stddev	5.9	18.8	83.	18.7
%RSD	.25786	.38140	.21515	.51797
#1	2292.3	4919.3	38290.	3619.4
#2	2303.8	4947.7	38378.	3636.9
#3	2295.8	4912.2	38455.	3599.4

7.1
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Sample Name: ICSAB Acquired: 3/23/2016 16:02:45 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F 1.082	F 529.8	1.114	.5571	.5009	478.1	1.006	5.137	5.099
Stddev	.002	2.5	.005	.0041	.0019	3.3	.005	.0022	.0022
%RSD	.1886	4.667	.4348	.7338	.3780	6.885	.4760	4.207	4.357
#1	1.083	527.7	1.118	.5581	.4997	474.3	1.010	5.152	5.077
#2	1.080	532.5	1.109	.5606	.5030	479.9	1.000	5.113	5.099
#3	1.083	529.1	1.116	.5526	.4998	480.2	1.007	5.148	5.121

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5638	193.6	.1601	499.9	.4883	1.016	.2940	.9847	.9335
Stddev	.0011	.9	.0452	2.0	.0021	.004	.0033	.0057	.0065
%RSD	.1868	4.678	28.21	.3957	.4304	.3692	1.126	5.750	6.955
#1	.5650	193.4	.1796	498.6	.4863	1.018	.2970	.9894	.9397
#2	.5630	194.6	.1922	502.2	.4882	1.012	.2944	.9784	.9267
#3	.5634	192.8	.1084	499.0	.4905	1.019	.2904	.9862	.9340

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.057	1.065	.0540	.9332	1.000	.9193	.9308	4.523	.9645
Stddev	.008	.005	.0006	.0080	.006	.0010	.0035	.0025	.0068
%RSD	.7664	.4631	1.159	.8519	.5929	1.081	.3801	.5604	.7033
#1	1.060	1.064	.0539	.9390	.9997	.9181	.9335	4.494	.9710
#2	1.048	1.061	.0534	.9241	1.006	.9196	.9268	4.535	.9575
#3	1.063	1.071	.0546	.9364	.9947	.9200	.9322	4.540	.9649

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2269.0	4925.9	38519.	3627.0
Stddev	10.6	18.8	58.	21.8
%RSD	4.6923	.38147	.15021	.60074
#1	2259.7	4912.8	38534.	3635.7
#2	2280.6	4947.4	38455.	3602.2
#3	2266.8	4917.4	38568.	3643.0

Sample Name: CCV Acquired: 3/23/2016 16:07:14 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.655	42.21	2.075	2.160	1.993	40.08	2.144	2.199	2.025
Stddev	.0006	.09	.008	.002	.008	.13	.011	.012	.005
%RSD	.2428	.2044	.3877	.1073	.4006	.3339	.4918	.5236	.2636
#1	.2654	42.18	2.069	2.157	1.988	39.93	2.137	2.191	2.027
#2	.2662	42.14	2.084	2.160	1.989	40.19	2.156	2.212	2.018
#3	.2649	42.30	2.071	2.161	2.002	40.13	2.138	2.193	2.028

Check ?	Value	Range
Chk Pass	Chk Pass	Chk Pass
Chk Pass	Chk Pass	Chk Pass
Chk Pass	Chk Pass	Chk Pass
Chk Pass	Chk Pass	Chk Pass
Chk Pass	Chk Pass	Chk Pass
Chk Pass	Chk Pass	Chk Pass
Chk Pass	Chk Pass	Chk Pass
Chk Pass	Chk Pass	Chk Pass
Chk Pass	Chk Pass	Chk Pass

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.075	40.07	40.46	39.01	1.987	2.183	40.20	2.106	1.977
Stddev	.002	.10	.09	.24	.006	.012	.03	.009	.005
%RSD	.0723	.2540	.2180	.6055	.2890	.5702	.0738	.4225	.2513
#1	2.076	39.98	40.36	38.82	1.992	2.173	40.16	2.101	1.978
#2	2.074	40.05	40.52	38.95	1.980	2.197	40.21	2.116	1.981
#3	2.077	40.18	40.51	39.28	1.989	2.179	40.22	2.100	1.971

Check ?	Value	Range
Chk Pass	Chk Pass	Chk Pass
Chk Pass	Chk Pass	Chk Pass
Chk Pass	Chk Pass	Chk Pass
Chk Pass	Chk Pass	Chk Pass
Chk Pass	Chk Pass	Chk Pass
Chk Pass	Chk Pass	Chk Pass
Chk Pass	Chk Pass	Chk Pass
Chk Pass	Chk Pass	Chk Pass
Chk Pass	Chk Pass	Chk Pass

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.086	2.129	2.620	2.049	1.972	1.932	1.970	1.943	2.059
Stddev	.007	.005	.013	.009	.004	.002	.006	.005	.010
%RSD	.3178	.2256	.4821	.4395	.2124	.0913	.3308	.2787	.4975
#1	2.080	2.128	2.609	2.043	1.967	1.934	1.964	1.948	2.053
#2	2.093	2.135	2.633	2.059	1.974	1.930	1.977	1.937	2.070
#3	2.086	2.125	2.617	2.045	1.974	1.933	1.970	1.944	2.052

Check ?	Value	Range
Chk Pass	Chk Pass	None
Chk Pass	Chk Pass	Chk Pass
Chk Pass	Chk Pass	Chk Pass
Chk Pass	Chk Pass	Chk Pass
Chk Pass	Chk Pass	Chk Pass
Chk Pass	Chk Pass	Chk Pass
Chk Pass	Chk Pass	Chk Pass
Chk Pass	Chk Pass	Chk Pass
Chk Pass	Chk Pass	Chk Pass

Sample Name: CCV Acquired: 3/23/2016 16:07:14 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2544.9	5296.9	42779.	3851.3
Stddev	6.4	20.0	168.	24.2
%RSD	.24972	.37763	.39182	.62886
#1	2546.0	5308.0	42699.	3828.6
#2	2538.0	5273.8	42972.	3876.8
#3	2550.6	5308.8	42667.	3848.5

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Sample Name: CCB Acquired: 3/23/2016 16:11:26 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.005	.0174	.0003	.0000	.0002	.0106	-0.001	.0000	.0000
Stddev	.0005	.0010	.0003	.000	.0000	.0016	.0000	.000	.000
%RSD	87.06	5.861	105.5	1259.	5.054	15.44	7.471	540.7	215.4
#1	.0000	.0167	.0002	.0004	.0002	.0111	-0.001	.0000	-0.002
#2	-0.0009	.0185	.0006	-0.0003	.0002	.0088	-0.001	.0000	.0000
#3	-0.0007	.0168	.0000	-0.0002	.0002	.0120	-0.001	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0063	.0304	-0.0051	.0001	.0004	.0624	-0.001	.0005
Stddev	.0000	.0053	.0291	.0285	.0001	.0004	.0083	.0000	.0001
%RSD	13.79	84.24	95.55	554.1	75.37	91.57	13.29	38.41	21.34
#1	-0.0001	.0116	.0184	-0.0250	.0002	.0009	.0716	-0.001	.0005
#2	-0.0001	.0065	.0636	.0275	.0000	.0002	.0556	-0.001	.0006
#3	-0.0002	.0009	.0093	-0.0179	.0001	.0002	.0599	-0.002	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	-0.0004	-0.0003	-0.0003	.0001	-0.0001	-0.0007	.0000	-0.0009
Stddev	.0008	.0015	.0003	.0001	.0001	.0000	.0010	.0002	.0001
%RSD	137.0	335.4	82.66	38.96	86.15	19.30	142.7	572.8	7.632
#1	.0016	-0.0017	.0000	-0.0002	.0002	-0.0001	-0.0008	-0.0002	-0.0009
#2	.0000	-0.0009	-0.0005	-0.0003	.0001	-0.0001	-0.0016	.0001	-0.0008
#3	.0002	.0012	-0.0005	-0.0005	.0000	-0.0001	.0004	.0002	-0.0009

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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7.1
7

Sample Name: CCB Acquired: 3/23/2016 16:11:26 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2963.3	5587.7	45072.	3901.2
Stddev	3.7	10.5	68.	17.9
%RSD	.12591	.18843	.15074	.45785
#1	2967.5	5596.6	45149.	3910.4
#2	2962.1	5590.4	45044.	3912.5
#3	2960.3	5576.1	45022.	3880.6

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Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000009	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000083	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000005	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000084	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000000	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000011	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000146	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000009	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000041	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000127	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000026	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	-0.000028	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000035	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	0.000006	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000006	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	0.000123	0.536747	0.000000	1.000000
Al 396.152 { 85}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	0.000845	0.198848	0.000000	1.000000
As 189.042 {478}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	-0.000536	0.175178	0.000000	1.000000
Ba 455.403 { 74}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	0.002876	7.521907	0.000000	1.000000
Be 313.042 {108}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	-0.000162	10.777395	0.000000	1.000000
Ca 317.933 {106}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	0.002077	0.247844	0.000000	1.000000
Cd 226.502 {449}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	-0.000861	4.691686	0.000000	1.000000
Co 228.616 {447}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	-0.000620	2.406484	0.000000	1.000000
Cr 267.716 {126}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	-0.000118	0.538087	0.000000	1.000000
Cu 324.754 {104}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	0.005576	0.788431	0.000000	1.000000
Fe 259.940 {130}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	0.002297	0.161340	0.000000	1.000000
In 230.606 {446}*	3/23/2016 9:13:19	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	-0.001049	0.096918	0.000000	1.000000
Mg 279.079 {121}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	-0.000035	0.025181	0.000000	1.000000
Mn 257.610 {131}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	0.000500	2.518364	0.000000	1.000000
Mo 202.030 {467}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	0.001457	0.998442	0.000000	1.000000
Na 589.592 { 57}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	-0.016054	0.396208	0.000000	1.000000
Ni 231.604 {445}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	-0.000097	1.545607	0.000000	1.000000
Pb 220.353 {453}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	-0.000231	0.875157	0.000000	1.000000
Sb 206.833 {463}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	0.000560	0.235295	0.000000	1.000000
Se 196.090 {472}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	-0.000614	0.119704	0.000000	1.000000
Si 212.412 {459}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	0.004915	0.332319	0.000000	1.000000
Sn 189.989 {477}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	0.000291	0.376203	0.000000	1.000000
Sr 407.771 { 83}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	0.000295	15.879705	0.000000	1.000000
Ti 334.941 {101}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	0.002377	2.081219	0.000000	1.000000
Tl 190.856 {477}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	-0.000923	0.282848	0.000000	1.000000
V 292.402 {115}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	-0.000730	0.752393	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	0.002607	2.535140	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999940	0.000057	0.000409	0.001364	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999832	0.005892	0.009397	0.031325	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999960	0.000126	0.000795	0.002652	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999976	0.004189	0.000312	0.001039	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999992	0.003504	0.000071	0.000238	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999821	0.007557	0.003570	0.011898	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999976	0.002647	0.000048	0.000159	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999983	0.001126	0.000104	0.000346	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999980	0.000276	0.000256	0.000853	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999999	0.000071	0.000260	0.000865	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999591	0.007434	0.002786	0.009287	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999949	0.001578	0.031923	0.106410	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999844	0.000716	0.023136	0.077120	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999906	0.002776	0.000044	0.000148	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999997	0.000191	0.000143	0.000478	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999918	0.008158	0.008421	0.028070	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999972	0.000936	0.000164	0.000547	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999850	0.001226	0.000571	0.001903	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999967	0.000154	0.000969	0.003231	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999974	0.000070	0.001718	0.005726	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.986931	0.004370	0.000476	0.001587	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999970	0.000235	0.000315	0.001052	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999986	0.006660	0.000095	0.000316	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999986	0.000876	0.000100	0.000334	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999965	0.000192	0.000981	0.003269	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999993	0.000228	0.000232	0.000774	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999988	0.001004	0.000066	0.000219	OK	1.000000	0.000000	1	0

Sample Name: Blank Acquired: 4/22/2016 10:03:35 Type: Cal
Method: 60102007_042011(v75) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.003	.0020	-0.0007	.0036	.0035	.0074	-0.0009	-0.0005	-0.0002
Stddev	.0001	.0009	.0001	.0007	.0006	.0008	.0001	.0000	.0000
%RSD	35.58	46.75	9.593	19.68	17.84	10.95	13.26	8.789	21.24
#1	-.0002	.0010	-.0006	.0045	.0042	.0084	-.0008	-.0005	-.0001
#2	-.0004	.0022	-.0008	.0032	.0035	.0069	-.0009	-.0006	-.0002
#3	-.0002	.0028	-.0007	.0033	.0029	.0071	-.0011	-.0006	-.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0066	.0019	-0.0074	-0.0003	.0009	.0014	-0.0076	-0.0004	.0006
Stddev	.0003	.0003	.0050	.0006	.0001	.0001	.0042	.0002	.0001
%RSD	4.556	15.86	67.90	208.7	9.491	10.67	54.56	41.71	15.58
#1	.0069	.0021	-.0022	.0002	.0009	.0015	-.0028	-.0002	.0007
#2	.0063	.0022	-.0077	.0000	.0008	.0014	-.0100	-.0005	.0006
#3	.0067	.0016	-.0122	-.0010	.0009	.0012	-.0101	-.0006	.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0008	.0001	.0043	.0004	.0055	.0019	-0.0015	-0.0005	.0007
Stddev	.0001	.0001	.0001	.0001	.0009	.0002	.0001	.0001	.0001
%RSD	11.19	183.5	1.976	36.01	16.23	11.66	5.739	10.67	12.78
#1	.0007	.0002	.0042	.0005	.0064	.0021	-.0015	-.0005	.0008
#2	.0009	.0000	.0044	.0002	.0053	.0017	-.0016	-.0006	.0006
#3	.0008	.0000	.0043	.0004	.0047	.0017	-.0015	-.0005	.0007
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2711.3	4995.1	42759.	3795.1					
Stddev	5.8	22.3	110.	13.6					
%RSD	.21377	.44568	.25706	.35709					
#1	2717.6	5020.2	42869.	3794.1					
#2	2706.1	4977.9	42759.	3782.1					
#3	2710.2	4987.3	42649.	3809.1					

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Sample Name: LowStd Acquired: 4/22/2016 10:08:02 Type: Cal
Method: 60102007_042011(v75) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0349	2.125	.0764	4.316	5.362	2.289	2.245	1.267	.2529
Stddev	.0006	.004	.0001	.008	.018	.010	.003	.002	.0019
%RSD	1.666	.1668	.1255	.1889	.3283	.4491	.1309	.1851	.7384
#1	.0355	2.122	.0764	4.320	5.358	2.281	2.247	1.269	.2536
#2	.0347	2.129	.0763	4.322	5.381	2.300	2.246	1.267	.2543
#3	.0344	2.124	.0764	4.307	5.346	2.285	2.242	1.265	.2508
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4559	1.661	.9084	.2304	1.354	.5197	3.893	.7573	.3745
Stddev	.0004	.005	.0065	.0021	.009	.0003	.006	.0011	.0004
%RSD	.0827	.2944	.7206	.9318	.6323	.0601	.1643	.1414	.0998
#1	.4562	1.660	.9039	.2295	1.356	.5196	3.900	.7586	.3741
#2	.4555	1.667	.9159	.2328	1.361	.5200	3.891	.7567	.3748
#3	.4560	1.657	.9054	.2288	1.344	.5194	3.888	.7567	.3745
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1164	.0546	.1912	.1865	8.232	1.018	.1247	.3403	1.026
Stddev	.0006	.0003	.0007	.0004	.014	.003	.0003	.0006	.005
%RSD	.4739	.5414	.3831	.2056	.1714	.3182	.2140	.1829	.4520
#1	.1169	.0547	.1917	.1869	8.216	1.017	.1250	.3404	1.024
#2	.1165	.0548	.1904	.1864	8.241	1.021	.1247	.3408	1.031
#3	.1158	.0543	.1916	.1861	8.240	1.014	.1244	.3396	1.023
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2521.4	4901.4	42019.	3760.3					
Stddev	5.3	3.1	154.	11.0					
%RSD	.21122	.06277	.36717	.29337					
#1	2525.2	4897.9	41936.	3764.2					
#2	2515.3	4902.7	41923.	3747.9					
#3	2523.7	4903.6	42197.	3768.9					

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7.2
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Sample Name: MidStd Acquired: 4/22/2016 10:11:30 Type: Cal
Method: 60102007_042011(v75) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1403	9.156	.3229	18.05	22.05	9.720	9.102	5.104	1.026
Stddev	.0004	.015	.0007	.05	.02	.019	.006	.001	.004
%RSD	.2646	.1670	.2131	.2740	.1046	.1980	.0624	.0110	.3872
#1	.1400	9.138	.3223	18.00	22.03	9.697	9.105	5.104	1.029
#2	.1407	9.165	.3226	18.10	22.04	9.730	9.096	5.105	1.022
#3	.1402	9.164	.3237	18.04	22.07	9.731	9.106	5.104	1.028
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.840	6.212	3.952	.9936	5.493	2.037	16.69	3.030	1.573
Stddev	.008	.012	.013	.0020	.015	.000	.06	.005	.002
%RSD	.4272	.1947	.3259	.2044	.2722	.0185	.3338	.1554	.0942
#1	1.834	6.200	3.938	.9917	5.508	2.036	16.63	3.027	1.575
#2	1.849	6.224	3.955	.9957	5.478	2.037	16.74	3.028	1.572
#3	1.837	6.212	3.963	.9933	5.494	2.037	16.70	3.036	1.574
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4800	.2260	.6324	.7192	32.77	4.019	.5185	1.343	4.159
Stddev	.0011	.0006	.0012	.0014	.02	.002	.0010	.004	.004
%RSD	.2348	.2597	.1821	.1884	.0718	.0463	.2013	.3255	.0992
#1	.4788	.2255	.6317	.7193	32.78	4.019	.5173	1.345	4.164
#2	.4809	.2267	.6338	.7206	32.75	4.021	.5194	1.338	4.157
#3	.4805	.2260	.6319	.7179	32.79	4.018	.5187	1.346	4.157
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2297.8	4730.0	40280.	3681.3					
Stddev	1.7	5.5	18.	19.5					
%RSD	.07520	.11637	.04390	.52889					
#1	2296.2	4734.7	40291.	3703.4					
#2	2299.7	4731.3	40259.	3666.7					
#3	2297.6	4724.0	40289.	3673.8					

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Sample Name: HighStd Acquired: 4/22/2016 10:15:16 Type: Cal
Method: 60102007_042011(v75) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2807	18.20	.6493	36.06	43.66	19.13	17.86	10.04	1.999
Stddev	.0006	.02	.0010	.07	.10	.04	.03	.01	.004
%RSD	.2254	.1317	.1554	.1936	.2354	.1911	.1867	.0698	.1936
#1	.2802	18.21	.6481	36.01	43.78	19.16	17.84	10.04	2.003
#2	.2814	18.17	.6498	36.03	43.65	19.09	17.83	10.03	2.000
#3	.2804	18.21	.6499	36.14	43.57	19.16	17.89	10.05	1.995
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.661	12.47	7.826	1.971	10.44	4.058	33.43	5.940	3.183
Stddev	.009	.03	.026	.005	.05	.003	.06	.008	.003
%RSD	.2434	.2703	.3267	.2389	.5250	.0784	.1849	.1309	.0923
#1	3.671	12.50	7.803	1.976	10.45	4.060	33.49	5.937	3.179
#2	3.653	12.45	7.821	1.967	10.48	4.054	33.43	5.934	3.185
#3	3.660	12.44	7.854	1.970	10.37	4.058	33.36	5.949	3.184
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S					

Sample Name: HSTD Acquired: 4/22/2016 10:19:08 Type: QC
 Method: 60102007_042011(v75) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5065	80.85	4.076	4.037	4.024	80.07	4.017	4.012	3.987
Stddev	.0005	.25	.006	.007	.009	.17	.007	.009	.033
%RSD	.1047	.3150	.1420	.1857	.2119	.2181	.1747	.2117	.8309

#1	.5059	80.73	4.083	4.030	4.023	80.00	4.021	4.020	3.963
#2	.5065	80.67	4.072	4.038	4.016	79.94	4.021	4.015	3.972
#3	.5069	81.14	4.074	4.045	4.033	80.26	4.009	4.003	4.025

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 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.037	80.07	80.76	80.34	3.966	4.022	81.28	4.016	4.079
Stddev	.009	.26	.15	.48	.026	.009	.14	.004	.007
%RSD	.2222	.3194	.1898	.5951	.6615	.2284	.1757	.1062	.1702

#1	4.036	79.93	80.61	79.96	3.969	4.031	81.35	4.017	4.081
#2	4.046	79.91	80.76	80.18	3.938	4.022	81.11	4.020	4.085
#3	4.028	80.36	80.91	80.87	3.990	4.013	81.37	4.012	4.072

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.059	4.058	4.681	3.982	4.033	3.982	4.032	4.018	4.011
Stddev	.006	.008	.011	.008	.018	.018	.007	.029	.014
%RSD	.1404	.1997	.2371	.2006	.4405	.4568	.1660	.7252	.3355

#1	4.066	4.066	4.693	3.989	4.020	3.964	4.040	3.992	4.020
#2	4.056	4.050	4.671	3.983	4.025	3.982	4.030	4.011	4.017
#3	4.056	4.058	4.680	3.973	4.053	4.000	4.027	4.050	3.996

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 4/22/2016 10:19:08 Type: QC
 Method: 60102007_042011(v75) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2105.8	4515.6	39194.	3612.7
Stddev	2.3	4.1	203.	13.6
%RSD	.11037	.09096	.51691	.37768

#1	2105.3	4513.6	39341.	3618.7
#2	2108.4	4520.4	39278.	3622.4
#3	2103.8	4513.0	38963.	3597.1

Sample Name: ICV Acquired: 4/22/2016 10:27:46 Type: QC
 Method: 60102007_042011(v75) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2467	41.19	2.026	2.047	2.083	41.77	2.075	2.067	2.068
Stddev	.0007	.17	.006	.009	.004	.21	.003	.004	.013
%RSD	.2785	.4216	.2960	.4569	.2156	.5125	.1569	.1811	.6457

#1	.2464	41.36	2.020	2.057	2.087	42.01	2.073	2.064	2.062
#2	.2475	41.18	2.026	2.046	2.084	41.67	2.072	2.065	2.084
#3	.2462	41.02	2.032	2.038	2.078	41.62	2.078	2.071	2.060

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.000	41.84	41.27	42.38	2.162	1.949	42.30	2.096	2.047
Stddev	.005	.14	.17	.04	.015	.004	.17	.003	.004
%RSD	.2568	.3357	.4074	.0960	.6917	.1777	.4099	.1582	.1905

#1	1.995	41.98	41.43	42.42	2.154	1.948	42.46	2.096	2.049
#2	1.999	41.85	41.27	42.39	2.179	1.947	42.33	2.092	2.042
#3	2.006	41.70	41.10	42.34	2.153	1.953	42.12	2.099	2.049

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.039	2.055	1.007	2.080	1.944	2.023	2.110	1.957	2.086
Stddev	.006	.002	.0013	.004	.009	.008	.002	.006	.006
%RSD	.2899	.0750	1.264	.1826	.4845	.3809	.1088	.3263	.2734

#1	2.043	2.053	.1000	2.078	1.952	2.017	2.112	1.956	2.082
#2	2.032	2.055	.1022	2.077	1.947	2.032	2.107	1.964	2.083
#3	2.041	2.056	.0999	2.084	1.934	2.020	2.111	1.951	2.092

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 4/22/2016 10:27:46 Type: QC
 Method: 60102007_042011(v75) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2279.6	4675.1	39944.	3642.6
Stddev	3.5	1.9	177.	14.1
%RSD	.15447	.04031	.44355	.38730

#1	2278.3	4676.4	40099.	3626.8
#2	2276.9	4673.0	39751.	3654.1
#3	2283.6	4676.1	39982.	3646.9

Sample Name: ICB Acquired: 4/22/2016 10:34:09 Type: QC
Method: 60102007_042011(v75) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :

Table with 11 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 11 columns: Elem, Units, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 11 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: ICB Acquired: 4/22/2016 10:34:09 Type: QC
Method: 60102007_042011(v75) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: CRIA Acquired: 4/22/2016 10:39:38 Type: QC
Method: 60102007_042011(v75) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :

Table with 11 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 11 columns: Elem, Units, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 11 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail
Value Range 20.00%

Sample Name: CRIA Acquired: 4/22/2016 10:39:38 Type: QC
Method: 60102007_042011(v75) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Sample Name: ICSA Acquired: 4/22/2016 10:46:13 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	514.0	.0004	-0.0003	-0.0003	493.4	.0000	-0.0002	.0000
Stddev	.0003	3.8	.0015	.0002	.0000	1.6	.000	.0002	.000
%RSD	487.1	.7416	329.2	66.74	10.53	.3189	5256.	91.39	1059.
#1	.0003	514.4	.0003	-.0004	-.0003	494.9	.0003	-.0004	.0004
#2	-.0003	517.5	-.0009	-.0004	-.0003	493.6	.0000	-.0001	-.0004
#3	-.0001	509.9	.0020	-.0001	-.0004	491.8	-.0003	-.0001	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	191.9	-0.460	537.4	-0.0003	.0000	.1222	.0003	-0.001
Stddev	.0004	.4	.0468	.3	.0000	.0003	.0103	.0000	.0020
%RSD	3674.	.1875	101.6	.0556	7.113	1038.	8.400	18.23	1877.
#1	.0002	191.9	-.0805	537.0	-.0003	.0003	.1314	.0002	-.0003
#2	-.0004	191.5	-.0647	537.6	-.0003	-.0004	.1111	.0003	.0019
#3	.0003	192.2	.0072	537.5	-.0003	.0002	.1242	.0002	-.0020

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0000	.0595	F .0014	-0.0001	.0001	-0.0005	.0008	-0.0017
Stddev	.0009	.0038	.0005	.0003	.0001	.0001	.0020	.0001	.0002
%RSD	130.3	9895.	.8549	20.97	53.18	166.6	396.9	14.23	9.273
#1	.0001	.0042	.0589	.0018	-.0001	.0000	.0009	.0007	-.0016
#2	.0017	-.0032	.0599	.0012	-.0002	.0000	.0003	.0007	-.0019
#3	.0003	-.0009	.0597	.0013	-.0002	.0002	-.0027	.0009	-.0016

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 4/22/2016 10:46:13 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2011.1	4339.5	36033.	3413.2
Stddev	3.8	10.1	186.	6.8
%RSD	.19077	.23363	.51594	.20011
#1	2007.8	4330.5	36192.	3411.4
#2	2015.3	4337.6	35829.	3407.5
#3	2010.2	4350.5	36080.	3420.8

Sample Name: ICSAB Acquired: 4/22/2016 10:56:51 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.051	512.4	1.123	.5239	.5296	499.1	1.010	.4922	.5371
Stddev	.004	8.9	.002	.0015	.0026	4.7	.002	.0006	.0018
%RSD	.3291	1.728	.1761	.2785	.4940	.9408	.1809	.1292	.3444
#1	1.054	506.4	1.124	.5226	.5278	502.8	1.009	.4926	.5365
#2	1.047	508.3	1.120	.5236	.5284	493.8	1.012	.4925	.5356
#3	1.052	522.6	1.123	.5255	.5326	500.7	1.008	.4914	.5391

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5407	192.5	.0566	533.7	.5438	.9702	.1303	1.000	1.001
Stddev	.0007	.7	.0123	3.4	.0018	.0015	.0139	.003	.003
%RSD	.1362	.3787	21.79	.6322	.3337	.1499	10.69	.2529	.2449
#1	.5414	192.4	.0648	534.1	.5426	.9706	.1197	1.002	1.001
#2	.5408	191.8	.0424	530.2	.5429	.9714	.1460	1.001	1.004
#3	.5399	193.3	.0627	536.9	.5459	.9686	.1251	.9972	.9986

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.031	1.041	.0973	.9606	1.025	1.048	.9692	.5003	1.011
Stddev	.005	.010	.0012	.0026	.002	.003	.0045	.0017	.004
%RSD	.4652	.9325	1.239	.2692	.2363	.2901	.4619	.3415	.3716
#1	1.036	1.050	.0971	.9576	1.024	1.046	.9705	.5008	1.008
#2	1.029	1.031	.0986	.9618	1.022	1.046	.9729	.4985	1.015
#3	1.028	1.042	.0963	.9622	1.027	1.051	.9643	.5018	1.010

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 4/22/2016 10:56:51 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1992.1	4324.5	35789.	3398.4
Stddev	2.0	8.0	90.	16.7
%RSD	.09842	.18487	.25097	.49201
#1	1989.8	4316.2	35881.	3399.3
#2	1993.1	4325.1	35701.	3414.7
#3	1993.3	4332.1	35785.	3381.3

Sample Name: CCV Acquired: 4/22/2016 11:04:05 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2492	40.45	2.036	1.967	2.035	41.12	2.104	2.056	2.126
Stddev	.0016	.06	.007	.003	.002	.03	.003	.003	.002
%RSD	.6559	.1582	.3567	.1283	.0793	.0741	.1454	.1421	.0811

#1	.2506	40.47	2.033	1.969	2.034	41.11	2.102	2.057	2.125
#2	.2474	40.50	2.045	1.968	2.035	41.15	2.107	2.058	2.125
#3	.2497	40.38	2.032	1.964	2.037	41.09	2.102	2.053	2.128

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.945	40.13	40.23	41.50	2.164	2.021	40.47	2.089	2.062
Stddev	.002	.01	.04	.15	.008	.003	.06	.005	.004
%RSD	.0822	.0243	.0955	.3730	.3798	.1555	.1482	.2217	.1954

#1	1.947	40.14	40.24	41.66	2.158	2.018	40.45	2.088	2.058
#2	1.946	40.13	40.27	41.48	2.161	2.024	40.54	2.095	2.064
#3	1.944	40.12	40.19	41.36	2.174	2.019	40.43	2.085	2.065

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.982	2.010	1.437	2.062	1.970	2.096	2.036	2.091	2.122
Stddev	.007	.004	.004	.002	.002	.005	.006	.005	.004
%RSD	.3471	.2190	.3131	.0926	.0748	.2382	.3170	.2337	.1667

#1	1.978	2.007	1.434	2.064	1.969	2.092	2.029	2.091	2.126
#2	1.990	2.015	1.442	2.060	1.971	2.094	2.042	2.086	2.120
#3	1.979	2.008	1.435	2.062	1.969	2.102	2.037	2.096	2.120

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/22/2016 11:04:05 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2296.0	4773.9	39888.	3618.6
Stddev	6.3	16.1	20.	4.6
%RSD	.27529	.33754	.04912	.12743

#1	2302.7	4784.6	39910.	3619.4
#2	2290.1	4755.4	39882.	3613.6
#3	2295.1	4781.7	39873.	3622.8

7.2
7

Sample Name: CCB Acquired: 4/22/2016 11:09:59 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0050	.0007	.0000	.0000	.0117	.0000	.0001	.0001
Stddev	.0001	.0034	.0005	.0000	.0001	.0029	.0000	.0001	.0002
%RSD	103.2	68.24	74.08	50.07	2367.	24.88	16.40	150.4	297.0

#1	.0003	.0033	.0012	.0000	.0000	.0150	.0000	.0001	-.0002
#2	.0002	.0089	.0006	.0000	-.0001	.0093	.0000	.0001	.0002
#3	.0000	.0027	.0002	.0000	.0000	.0109	.0000	.0000	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	.0052	.0384	.0100	.0001	-0.001	-0.014	.0001	-0.003
Stddev	.0003	.0028	.0262	.0083	.0000	.0002	.0057	.0003	.0002
%RSD	91.66	53.34	68.23	83.03	9.004	118.1	395.7	571.5	72.29

#1	-.0005	.0066	.0469	.0185	.0002	.0000	-.0033	.0004	.0000
#2	-.0003	.0020	.0592	.0097	.0002	-.0003	-.0060	-.0001	-.0003
#3	.0000	.0071	.0090	.0019	.0001	-.0002	.0050	-.0001	-.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-0.0015	-0.0002	.0002	.0000	.0001	-0.0004	.0001	.0001
Stddev	.0008	.0012	.0004	.0002	.0001	.0000	.0007	.0003	.0001
%RSD	482.8	78.63	165.5	87.88	673.1	84.29	174.9	276.5	98.78

#1	.0010	-.0020	-.0005	.0004	.0002	.0001	.0002	.0002	.0002
#2	-.0007	-.0024	-.0004	.0003	-.0001	.0001	-.0011	-.0002	.0001
#3	.0003	-.0002	.0002	.0000	.0000	.0000	-.0003	.0003	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/22/2016 11:09:59 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2692.8	4971.8	42269.	3730.3
Stddev	5.8	7.3	209.	12.0
%RSD	.21445	.14713	.49355	.32122

#1	2689.6	4968.8	42045.	3725.3
#2	2699.5	4980.2	42303.	3743.9
#3	2689.4	4966.5	42458.	3721.6

Sample Name: MP30266-MB1 Acquired: 4/22/2016 11:17:39 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0024	-0.0111	-0.004	-0.003	-0.0035	-0.002	-0.002	.0000
Stddev	.0002	.0028	.0006	.0001	.0001	.0015	.0000	.0001	.000
%RSD	191.4	115.1	50.53	20.36	22.82	42.27	13.31	58.80	1115.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0040	.0158	.0090	-0.0011	-0.006	.0141	-0.002	-0.005
Stddev	.0002	.0032	.0417	.0229	.0000	.0001	.0104	.0001	.0010
%RSD	294.9	79.52	264.8	253.4	24.00	17.50	73.28	39.51	198.7

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	-0.0005	.0089	.0005	-0.002	-0.002	-0.011	-0.001	-0.002
Stddev	.0005	.0014	.0000	.0003	.0001	.0001	.0003	.0002	.0000
%RSD	55.92	261.2	.5448	48.47	37.11	27.48	25.95	261.1	14.16

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30266-MB1 Acquired: 4/22/2016 11:17:39 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2670.2	4910.2	4297.0	3774.8
Stddev	4.2	.7	33.	36.8
%RSD	.15601	.01437	.07606	.97517

#1 2665.4 4909.5 43007. 3795.1
 #2 2672.4 4910.1 42946. 3732.3
 #3 2672.9 4910.9 42957. 3796.9

Sample Name: MP30266-B1 Acquired: 4/22/2016 11:22:11 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0496	27.56	2.074	2.090	.0539	26.31	.0541	.5339	2172
Stddev	.0003	.16	.003	.013	.0002	.19	.0001	.0002	.0002
%RSD	.7039	.5961	.1485	.6163	.2782	.7363	.1319	.0407	.1120

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2671	27.36	25.45	25.83	.5620	.5102	25.88	.5460	.5143
Stddev	.0015	.14	.12	.29	.0025	.0008	.09	.0008	.0008
%RSD	.5598	.5100	.4732	1.124	.4425	.1566	.3476	.1408	.1608

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5258	2.073	.0212	.5268	.4925	.5231	2.063	.5150	.5392
Stddev	.0046	.006	.0003	.0011	.0033	.0012	.004	.0023	.0012
%RSD	.8691	.3094	1.286	.2000	.6666	.2221	.2079	.4510	.2285

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30266-B1 Acquired: 4/22/2016 11:22:11 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2386.6	4732.9	40493.	3663.0
Stddev	4.1	4.6	188.	18.1
%RSD	.17322	.09769	.46518	.49513

#1 2389.9 4738.1 40288. 3683.8
 #2 2382.0 4729.2 40534. 3654.4
 #3 2388.0 4731.4 40658. 3650.7

Sample Name: FA33273-1 Acquired: 4/22/2016 11:26:24 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	.0810	.0012	.0131	-.0003	154.1	-.0002	-.0001	.0006
Stddev	.0003	.0113	.0009	.0003	.0001	1.7	.0000	.0001	.0001
%RSD	138.9	13.93	71.64	2.278	21.55	1.072	5.494	60.46	16.39
#1	.0000	.0708	.0017	.0133	-.0003	152.6	-.0002	.0000	.0007
#2	.0001	.0931	.0017	.0134	-.0004	155.8	-.0002	-.0001	.0005
#3	.0005	.0791	.0002	.0128	-.0003	153.8	-.0002	-.0002	.0005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0001	2.009	7.164	2.148	.0127	.0008	7.582	.0000	-.0008
Stddev	.0002	.022	.103	.039	.0000	.0001	.074	.0003	.0009
%RSD	307.3	1.093	1.433	1.791	.3527	8.108	.9825	810.5	108.7
#1	.0001	1.995	7.078	2.145	.0127	.0008	7.529	.0002	-.0005
#2	-.0003	2.034	7.277	2.187	.0127	.0009	7.667	.0002	-.0001
#3	.0000	1.997	7.137	2.110	.0127	.0007	7.549	-.0003	-.0019
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0000	.0001	2.455	.0005	2.825	.0023	-.0001	.0014	.0043
Stddev	.001	.0023	.005	.0004	.028	.0002	.0010	.0003	.0000
%RSD	1169.0	382.2	1.433	1.791	.9935	8.288	665.8	22.81	-.3693
#1	-.0001	-.0024	2.450	.0006	2.802	.0025	-.0009	.0018	.0093
#2	.0008	.0021	2.460	.0001	2.856	.0021	-.0005	.0012	.0092
#3	-.0007	.0005	2.456	.0007	2.816	.0024	.0009	.0013	.0093
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2375.2	4608.6	3954.0	3587.2					
Stddev	5.7	5.3	131.	41.7					
%RSD	.23858	.11468	.33070	1.1612					
#1	2379.1	4613.6	3969.1	3629.9					
#2	2377.7	4603.1	3946.4	3546.6					
#3	2368.7	4609.0	3946.5	3585.2					

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Sample Name: MP30266-D1 Acquired: 4/22/2016 11:30:54 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0003	.0746	.0016	.0123	-.0003	150.0	-.0002	-.0001	.0006
Stddev	.0002	.0049	.0006	.0004	.0000	.4	.0000	.0000	.0003
%RSD	51.74	6.635	37.39	2.989	13.10	.2605	8.541	6.347	41.37
#1	-.0005	.0802	.0010	.0121	-.0003	149.8	-.0002	-.0001	.0006
#2	-.0003	.0726	.0017	.0128	-.0004	149.8	-.0002	-.0001	.0003
#3	-.0002	.0709	.0022	.0122	-.0003	150.4	-.0002	-.0001	.0009
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0000	1.949	6.996	2.084	.0124	.0005	7.412	.0000	-.0006
Stddev	.0002	.009	.014	.019	.0001	.0001	.030	.0000	.0010
%RSD	2446.0	.4604	.1989	.9263	.7068	21.51	.4003	494.2	173.0
#1	-.0001	1.939	7.011	2.107	.0125	.0004	7.400	.0001	-.0014
#2	-.0001	1.957	6.983	2.072	.0124	.0006	7.390	-.0003	-.0010
#3	.0003	1.950	6.993	2.075	.0123	.0006	7.446	.0000	.0006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-.0006	.0023	2.397	.0002	2.748	.0032	-.0005	.0013	.0092
Stddev	.0007	.0005	.006	.0002	.009	.0015	.0008	.0001	.0000
%RSD	116.0	23.53	.2472	86.96	.3075	47.27	175.6	8.579	-.3996
#1	-.0005	.0027	2.399	.0002	2.743	.0049	-.0010	.0014	.0092
#2	.0000	.0017	2.390	.0000	2.742	.0023	-.0008	.0012	.0093
#3	-.0013	.0025	2.402	.0004	2.758	.0023	.0005	.0013	.0092
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2388.1	4637.8	3973.9	3606.0					
Stddev	4.0	.4	290.	17.2					
%RSD	.16819	.00834	.73095	.47787					
#1	2390.3	4637.3	3977.6	3600.5					
#2	2383.5	4638.0	3943.2	3625.3					
#3	2390.5	4638.0	4000.9	3592.2					

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7.2
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Sample Name: MP30266-SD1 Acquired: 4/22/2016 11:35:22 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0012	.0529	.0018	.0120	-.0018	155.2	-.0010	-.0004	-.0005
Stddev	.0022	.0259	.0008	.0008	.0002	.6	.0002	.0004	.0000
%RSD	185.5	48.92	45.38	6.716	8.906	.3558	21.87	111.9	9.972
#1	-.0006	.0340	.0009	.0128	-.0017	155.8	-.0010	.0001	-.0005
#2	.0007	.0423	.0018	.0112	-.0017	155.3	-.0008	-.0008	-.0005
#3	-.0036	.0824	.0025	.0122	-.0020	154.7	-.0013	-.0004	-.0004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0011	1.989	7.247	2.152	.0120	-.0035	7.587	.0003	-.0013
Stddev	.0005	.026	.190	.026	.0002	.0010	.052	.0004	.0041
%RSD	47.30	1.291	2.624	1.202	1.334	27.71	.6874	128.0	304.2
#1	-.0011	1.975	7.464	2.173	.0121	-.0040	7.557	.0000	.0034
#2	-.0016	1.973	7.109	2.123	.0122	-.0040	7.647	.0007	-.0037
#3	-.0006	2.018	7.168	2.161	.0119	-.0023	7.556	.0002	-.0037
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0022	-.0064	2.480	-.0007	2.844	.0026	-.0058	.0006	.0480
Stddev	.0047	.0060	.008	.0007	.010	.0004	.0030	.0011	.0002
%RSD	219.4	93.58	.3080	100.9	.3670	14.34	52.64	195.1	.4212
#1	-.0011	-.0125	2.476	-.0015	2.853	.0024	-.0045	.0011	.0482
#2	-.0019	-.0005	2.489	-.0003	2.848	.0023	-.0092	.0013	.0479
#3	-.0073	-.0063	2.475	-.0002	2.833	.0030	-.0035	-.0007	.0479
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2600.1	4881.4	4156.9	3697.2					
Stddev	1.0	9.5	130.	11.6					
%RSD	.03747	.19531	.31267	.31345					
#1	2600.6	4887.9	4152.2	3683.9					
#2	2600.7	4870.4	4147.0	3704.9					
#3	2599.0	4885.8	4171.7	3702.9					

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Sample Name: MP30266-PS1 Acquired: 4/22/2016 11:39:51 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0489	2.657	1.081	.2737	.0521	155.2	.0528	.0527	.0538
Stddev	.0009	.013	.0009	.0013	.0002	.6	.0002	.0001	.0003
%RSD	1.862	.5014	.8111	.4910	.4027	.3578	.4099	.0962	.5493
#1	.0479	2.656	.1073	.2750	.0520	155.7	.0525	.0527	.0536
#2	.0492	2.670	.1080	.2739	.0523	155.3	.0529	.0526	.0536
#3	.0496	2.644	.1090	.2723	.0520	154.6	.0529	.0527	.0541
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1069	5.043	17.10	7.127	.0668	.1039	17.65	1.049	.0499
Stddev	.0004	.011	.12	.068	.0002	.0001	.03	.0001	.0004

Sample Name: MP30266-S1 Acquired: 4/22/2016 11:44:08 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0502	28.33	2.094	2.137	.0545	181.4	.0527	.5208	2.145
Stddev	.0002	.13	.002	.011	.0003	1.3	.0001	.0002	.0011
%RSD	.4039	.4557	.0888	.5150	.4842	.6955	.2357	.0445	.4967
#1	.0503	28.22	2.093	2.132	.0544	180.2	.0528	.5209	2.135
#2	.0500	28.47	2.096	2.149	.0548	182.7	.0528	.5209	2.156
#3	.0503	28.28	2.093	2.129	.0543	181.4	.0526	.5205	2.144
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2699	29.47	33.54	27.88	.5619	.5033	34.08	.5295	.5158
Stddev	.0013	.12	.21	.20	.0023	.0009	.17	.0004	.0004
%RSD	.4808	.4155	.6219	.7098	.4104	.1883	.5136	.0802	.0838
#1	.2714	29.41	33.35	27.72	.5596	.5032	34.12	.5299	.5160
#2	.2688	29.61	33.76	28.10	.5642	.5043	34.23	.5292	.5162
#3	.2696	29.39	33.50	27.82	.5619	.5024	33.89	.5292	.5154
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5261	2.071	2.472	.5138	3.343	.5212	2.046	.5133	.5352
Stddev	.0002	.004	.003	.0011	.015	.0010	.009	.0013	.0011
%RSD	.0391	.1690	.1113	.2216	.4525	.1960	.4194	.2630	.2054
#1	.5259	2.070	2.469	.5148	3.332	.5209	2.038	.5121	.5364
#2	.5263	2.075	2.474	.5140	3.360	.5223	2.045	.5148	.5343
#3	.5260	2.069	2.473	.5126	3.337	.5203	2.055	.5130	.5350
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2249.6	4643.9	39380.	3575.2					
Stddev	4.4	4.9	111.	17.4					
%RSD	.19363	.10622	.28305	.48686					
#1	2253.7	4649.6	39469.	3589.8					
#2	2250.1	4640.8	39255.	3556.0					
#3	2245.1	4641.3	39415.	3579.9					

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Sample Name: MP30266-S2 Acquired: 4/22/2016 11:48:19 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0508	28.69	2.106	2.152	.0551	183.5	.0531	.5249	2.165
Stddev	.0002	.10	.006	.011	.0001	.5	.0001	.0010	.0005
%RSD	.3907	.3459	.2651	.5011	.2308	.2669	.2480	.1834	.2395
#1	.0510	28.80	2.100	2.165	.0551	184.1	.0530	.5243	2.163
#2	.0509	28.60	2.109	2.146	.0550	183.3	.0531	.5244	2.171
#3	.0506	28.66	2.110	2.146	.0553	183.2	.0533	.5260	2.161
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2729	29.83	33.85	28.27	.5683	.5131	34.43	.5335	.5198
Stddev	.0007	.11	.16	.13	.0008	.0015	.16	.0010	.0009
%RSD	.2648	.3578	.4670	.4707	.1450	.2924	.4657	.1805	.1647
#1	.2737	29.94	34.04	28.12	.5691	.5117	34.60	.5324	.5195
#2	.2726	29.73	33.77	28.32	.5684	.5129	34.29	.5336	.5208
#3	.2723	29.81	33.76	28.37	.5674	.5147	34.39	.5344	.5192
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5273	2.082	2.499	.5225	3.388	.5296	2.062	.5159	.5410
Stddev	.0034	.007	.009	.0012	.011	.0012	.002	.0007	.0004
%RSD	.6373	.3323	.3498	.2251	.3111	.2208	.1150	.1375	.0775
#1	.5234	2.083	2.492	.5229	3.400	.5310	2.060	.5163	.5413
#2	.5291	2.074	2.497	.5212	3.385	.5290	2.065	.5164	.5405
#3	.5293	2.088	2.509	.5234	3.379	.5289	2.062	.5151	.5411
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2254.4	4649.2	39501.	3560.9					
Stddev	3.7	12.1	155.	12.5					
%RSD	.16235	.26086	.39296	.35133					
#1	2258.5	4661.4	39344.	3547.3					
#2	2251.6	4648.9	39505.	3563.4					
#3	2253.1	4637.2	39655.	3572.0					

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7.2
7

Sample Name: FA33258-1 Acquired: 4/22/2016 11:52:30 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0019	2.288	.0859	.0256	-.0013	711.9	-.0008	.0009	.0018
Stddev	.0012	.035	.0029	.0019	.0004	1.4	.0003	.0007	.0006
%RSD	60.80	1.536	3.426	7.259	34.27	2.031	39.04	81.04	31.21
#1	.0032	2.248	.0876	.0267	-.0012	712.1	-.0006	.0009	.0013
#2	.0010	2.315	.0877	.0268	-.0009	713.3	-.0006	.0002	.0024
#3	.0015	2.302	.0825	.0235	-.0017	710.4	-.0012	.0016	.0017
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0051	1.602	38.61	397.4	.1234	.0704	F 7457.	.0034	-.0099
Stddev	.0004	.013	.35	1.3	.0003	.0005	24.	.0003	.0017
%RSD	7.832	.7818	.9054	.3203	.2622	.6629	.3162	10.08	17.54
#1	.0054	1.592	38.25	396.9	.1237	.0698	7466.	.0030	-.0108
#2	.0047	1.597	38.62	398.9	.1233	.0707	7430.	.0036	-.0079
#3	.0054	1.616	38.95	396.5	.1231	.0706	7474.	.0035	-.0110
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0071	.0115	6.775	.0026	13.36	.0762	-.0046	.0535	.0517
Stddev	.0030	.0096	.014	.0028	.05	.0103	.0092	.0005	.0006
%RSD	43.23	83.41	.1993	109.2	.3786	13.52	200.3	1.000	1.230
#1	-.0086	.0041	6.762	.0058	13.30	.0878	-.0047	.0532	.0511
#2	-.0090	.0223	6.774	.0009	13.39	.0681	-.0138	.0532	.0517
#3	-.0035	.0080	6.789	.0010	13.39	.0726	.0046	.0541	.0524
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1866.9	4077.1	32962.	3462.9					
Stddev	4.2	11.0	69.	15.1					
%RSD	.22756	.27051	.21018	.43667					
#1	1868.6	4089.7	32882.	3479.2					
#2	1870.1	4072.5	33010.	3449.3					
#3	1862.1	4069.2	32993.	3460.3					

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Sample Name: FA33258-2 Acquired: 4/22/2016 11:57:04 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0003	2.297	.0117	.0194	-.0013	673.0	-.0011	.0007	.0015
Stddev	.0005	.033	.0018	.0013	.0002	.8	.0003	.0005	.0011
%RSD	145.9	1.432	15.14	6.785	15.45	.1187	24.90	77.54	74.39
#1	-.0007	2.288	.0136	.0209	-.0013	673.9	-.0014	.0012	.0025
#2	-.0002	2.269	.0110	.0190	-.0015	672.5	-.0009	.0007	.0003
#3	-.0004	2.333	.0103	.0183	-.0011	672.6	-.0009	.0001	.0016
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0269	1.821	31.61	402.2	.0884	.0530	F 5049.	.0020	-.0040
Stddev	.0014	.009	.11	4	.0003	.0004	57.	.0013	.0051
%RSD	5.346	.5169	.3441	.1019	.3885	.7106	1.137	62.93	126.8
#1	.0253	1.826	31.50	402.1	.0881	.0534	5105.	.0007	.0010
#2	.0280	1.810	31.72	402.6	.0883	.0526	4990.	.0032	-.0092
#3	.								

Sample Name: CCV Acquired: 4/22/2016 12:01:39 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2535	41.02	2.023	2.031	2.047	41.43	2.061	2.052	2.064
Stddev	.0005	.27	.003	.010	.007	.34	.001	.002	.005
%RSD	.2144	.6579	.1358	.4891	.3524	.8176	.0528	.0772	.2350
#1	.2534	40.81	2.020	2.022	2.041	41.09	2.061	2.051	2.069
#2	.2541	41.32	2.024	2.041	2.055	41.77	2.060	2.053	2.061
#3	.2531	40.91	2.025	2.029	2.045	41.43	2.062	2.054	2.060

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.029	40.26	41.06	41.20	2.088	2.026	40.52	2.057	2.035
Stddev	.007	.26	.22	.44	.006	.003	.19	.002	.005
%RSD	.3240	.6383	.5262	1.057	.2863	.1681	.4725	.0861	.2337
#1	2.024	40.07	40.90	40.74	2.095	2.024	40.42	2.055	2.031
#2	2.036	40.55	41.31	41.60	2.084	2.030	40.74	2.057	2.034
#3	2.026	40.15	40.98	41.26	2.086	2.024	40.39	2.059	2.040

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.020	2.026	1.452	2.066	2.030	2.052	2.047	2.035	2.068
Stddev	.008	.007	.002	.005	.011	.003	.004	.004	.002
%RSD	.4000	.3276	.1219	.2387	.5556	.1345	.2034	.2179	.0891
#1	2.013	2.018	1.451	2.060	2.022	2.055	2.042	2.040	2.070
#2	2.018	2.028	1.453	2.070	2.043	2.051	2.049	2.031	2.067
#3	2.029	2.030	1.454	2.068	2.025	2.051	2.050	2.034	2.068

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/22/2016 12:01:39 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2282.4	4718.9	40204.	3589.2
Stddev	5.3	9.7	236.	28.8
%RSD	.23357	.20470	.58735	.80332
#1	2287.3	4726.5	39933.	3612.7
#2	2276.7	4708.0	40323.	3557.1
#3	2283.0	4722.2	40358.	3597.9

Sample Name: CCB Acquired: 4/22/2016 12:05:49 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0014	-0.0004	-0.0001	.0000	.0028	.0000	.0001	.0001
Stddev	.0003	.0013	.0006	.0001	.0000	.0037	.0000	.0001	.0000
%RSD	114.3	93.32	175.5	74.54	227.3	130.8	527.7	76.07	62.84
#1	.0003	.0026	-.0008	-.0002	.0000	.0069	.0000	.0001	.0001
#2	-.0001	.0000	.0004	.0000	.0000	.0019	.0000	.0002	.0001
#3	.0004	.0016	-.0007	-.0001	.0001	-.0003	.0000	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0047	.0330	.0087	.0000	.0004	.1002	.0000	-0.0001
Stddev	.0002	.0026	.0232	.0113	.0000	.0004	.0066	.000	.0007
%RSD	140.1	55.97	70.29	129.8	246.1	113.6	6.581	519.0	838.1
#1	.0003	.0077	.0362	.0036	.0000	.0007	.0933	.0001	.0002
#2	.0000	.0027	.0083	.0009	.0000	.0004	.1065	.0000	.0004
#3	.0000	.0038	.0543	.0217	.0000	-.0001	.1007	-.0003	-.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0009	-.0011	.0005	.0002	.0000	.0004	.0009	.0000	.0001
Stddev	.0004	.0016	.0003	.0002	.000	.0001	.0011	.0001	.0000
%RSD	51.28	145.3	51.37	96.23	254.5	34.48	126.1	228.7	19.99
#1	-.0004	-.0001	.0003	.0002	.0000	.0005	.0015	.0001	.0001
#2	-.0013	-.0029	.0008	.0004	.0000	.0004	.0016	.0001	.0001
#3	-.0009	-.0005	.0004	.0000	.0000	.0002	-.0004	-.0001	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/22/2016 12:05:49 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2680.0	4966.1	42713.	3734.8
Stddev	7.6	12.2	144.	19.8
%RSD	.28222	.24608	.33640	.52948
#1	2672.2	4960.6	42720.	3747.6
#2	2687.3	4980.1	42853.	3712.0
#3	2680.4	4957.6	42566.	3744.9

Sample Name: FA33258-3 Acquired: 4/22/2016 12:10:22 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0003	.5802	.0102	.0095	-0.0017	598.9	-0.0009	-0.0002	.0003
Stddev	.0017	.0098	.0026	.0021	.0001	.6	.0001	.0007	.0006
%RSD	570.2	1.684	26.00	22.44	7.940	.0933	5.788	295.0	190.1
#1	.0020	.5792	.0121	.0088	-.0018	599.4	-.0009	-.0004	.0008
#2	-.0003	.5711	.0113	.0079	-.0017	599.0	-.0008	-.0008	.0006
#3	-.0014	.5905	.0072	.0119	-.0015	598.3	-.0009	.0005	-.0004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0027	.3129	22.80	260.9	.0049	.0511	F 3020	.0001	-0.0052
Stddev	.0008	.0464	.25	.3	.0001	.0002	.28	.0004	.0028
%RSD	28.43	14.84	1.100	.1303	1.622	.4055	.9160	301.7	53.76
#1	.0019	.2801	22.53	260.7	.0049	.0509	3049.	.0002	-.0038
#2	.0029	.3660	22.85	260.6	.0049	.0513	2994.	.0006	-.0034
#3	.0034	.2926	23.03	261.2	.0050	.0509	3018.	-.0003	-.0084
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0068	.1748	3.765	.0013	10.07	.0227	-0.0029	.0205	.0338
Stddev	.0033	.0048	.023	.0011	.05	.0065	.0025	.0005	.0003
%RSD	48.30	2.747	.6038	84.88	.4861	28.49	87.38	2.471	.7529
#1	-.0103	.1699	3.791	.0001	10.06	.0201	-.0004	.0204	.0337
#2	-.0037	.1795	3.754	.0022	10.03	.0301	-.0054	.0210	.0341
#3	-.0065	.1750	3.750	.0016	10.12	.0180	-.0029	.0200	.0336
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2062.4	4366.8	36145.	3544.0					
Stddev	4.4	7.4	92.	12.7					
%RSD	.21430	.16860	.25470	.35726					
#1	2063.4	4368.4	36084.	3538.6					
#2	2057.5	4358.8	36251.	3558.5					
#3	2066.2	4373.2	36101.	3534.9					

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Sample Name: FA33259-1 Acquired: 4/22/2016 12:14:59 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0021	.7603	.0153	.0149	-0.0017	945.4	-0.0010	.0004	-.0015
Stddev	.0009	.0493	.0028	.0004	.0002	5.9	.0000	.0005	.0016
%RSD	44.43	6.489	18.06	2.970	13.91	.6245	2.500	147.3	103.6
#1	.0030	.7199	.0161	.0144	-.0015	945.2	-.0011	.0005	-.0018
#2	-.0021	.7457	.0176	.0152	-.0016	951.3	-.0010	-.0002	-.0029
#3	.0012	.8153	.0122	.0151	-.0020	939.5	-.0010	.0008	.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0027	.4225	44.15	366.5	.0600	.0431	F 7105	.0024	-0.0066
Stddev	.0007	.0127	.27	3.2	.0003	.0007	107.	.0002	.0002
%RSD	25.98	2.994	.6014	.8613	.4405	1.675	1.512	7.489	3.349
#1	.0035	.4116	44.22	367.1	.0599	.0424	7000.	.0022	-.0064
#2	.0026	.4197	44.37	369.3	.0597	.0438	7100.	.0025	-.0068
#3	.0021	.4364	43.85	363.1	.0603	.0431	7215.	.0025	-.0065
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0032	.0148	5.049	.0019	16.80	.0356	-0.0075	.0596	.0458
Stddev	.0043	.0087	.030	.0030	.03	.0074	.0097	.0012	.0002
%RSD	134.8	58.81	.5957	157.4	.1872	20.81	128.4	2.010	.4146
#1	.0009	.0230	5.049	-.0015	16.77	.0375	.0036	.0590	.0456
#2	-.0029	.0158	5.079	.0032	16.83	.0419	-.0140	.0610	.0458
#3	-.0076	.0057	5.019	.0039	16.80	.0274	-.0122	.0588	.0460
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1828.1	4012.5	32545.	3431.5					
Stddev	3.1	7.0	53.	28.8					
%RSD	.16993	.17474	.16396	.83846					
#1	1831.3	4017.8	32605.	3445.7					
#2	1825.1	4004.6	32503.	3398.3					
#3	1828.0	4015.1	32527.	3450.3					

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7.2
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Sample Name: FA33259-2 Acquired: 4/22/2016 12:19:36 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0005	2.046	.3920	.0228	-0.0015	777.9	-0.0006	.0009	.0005
Stddev	.0012	.047	.0022	.0019	.0001	6.1	.0001	.0003	.0011
%RSD	249.4	2.285	.5649	8.215	4.525	.7889	21.75	28.00	238.8
#1	-.0008	1.994	.3928	.0215	-.0015	776.1	-.0007	.0012	.0006
#2	-.0015	2.062	.3937	.0249	-.0016	772.9	-.0004	.0009	-.0007
#3	.0006	2.083	.3895	.0219	-.0015	784.8	-.0007	.0007	.0015
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0032	1.284	33.35	200.4	.0243	.0806	F 4579.	.0010	-0.0098
Stddev	.0020	.023	.13	2.1	.0003	.0010	58.	.0005	.0075
%RSD	62.86	1.804	.3816	1.059	1.138	1.258	1.258	50.31	76.92
#1	.0010	1.266	33.41	200.4	.0241	.0796	4641.	.0008	-0.1070
#2	.0049	1.276	33.20	198.3	.0246	.0805	4527.	.0006	-0.0020
#3	.0036	1.310	33.44	202.5	.0242	.0816	4570.	.0015	-0.1013
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0050	.2072	5.762	.0004	12.14	.0536	-0.0084	.0721	.0412
Stddev	.0045	.0063	.015	.0013	.08	.0047	.0041	.0003	.0000
%RSD	89.95	3.032	.2647	327.5	.6647	8.753	48.29	4.753	.0498
#1	-.0020	.2144	5.760	-.0007	12.14	.0482	-.0126	.0724	.0413
#2	-.0101	.2043	5.748	.0001	12.06	.0556	-.0080	.0722	.0412
#3	-.0028	.2028	5.778	.0018	12.22	.0569	-.0046	.0718	.0412
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1963.7	4246.8	34706.	3493.2					
Stddev	1.3	5.6	125.	40.2					
%RSD	.06403	.13240	.35973	1.1497					
#1	1965.0	4249.8	34666.	3512.5					
#2	1963.4	4240.3	34846.	3520.1					
#3	1962.5	4250.2	34606.	3447.1					

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Sample Name: FA33259-3 Acquired: 4/22/2016 12:24:12 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0001	.7391	.0131	.0135	-0.0017	854.7	-0.0009	.0005	-.0013
Stddev	.0010	.0340	.0009	.0018	.0004	3.1	.0002	.0001	.0005
%RSD	705.0	4.603	6.631	13.21	22.21	.3641	17.29	10.57	42.81
#1	.0000	.7282	.0140	.0128	-.0022	857.7	-.0011	.0006	-.0006
#2	-.0008	.7772	.0122	.0155	-.0014	854.8	-.0008	.0005	-.0015
#3	-.0012	.7118	.0130	.0121	-.0016	851.5	-.0008	.0006	-.0016
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0031	4.182	39.14	358.0	.0342	.0296	F 6091.	-0.0005	-0.0076
Stddev	.0017	.0048	.16	.9	.0002	.0003	55.	.0008	.0014
%RSD	55.96	1.137	.4059	.2450	.5207	.8886	.9002	149.4	17.96
#1	.0040	4.206	39.17	358.8	.0343	.0295	6138.	-.0014	-.0076
#2	.0041	4.213	39.28	358.3	.0340	.0299	6104.	-.0002	-.0062
#3	.0011	4.128	38.97	357.1	.0342	.0294	6031.	.0000	-.0089
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Z

Sample Name: FA33259-4 Acquired: 4/22/2016 12:28:47 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	-0.0438	.0001	.0076	-0.0019	29.38	-0.0008	.0008	-0.0011
Stddev	.0015	.0298	.0014	.0017	.0006	.15	.0002	.0001	.0009
%RSD	283.3	68.08	1598.	22.64	34.40	.5046	21.07	18.25	81.63
#1	.0004	-.0607	-.0002	.0092	-.0016	29.45	-.0006	.0006	-.0019
#2	-.0022	-.0612	.0016	-.0079	-.0014	29.21	-.0010	.0008	-.0001
#3	.0002	-.0094	-.0011	.0058	-.0026	29.48	-.0009	.0009	-.0014
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0004	-0.0541	.8816	7.249	.0591	-0.0050	11.44	.0093	-0.0033
Stddev	.0007	.0072	.0453	.275	.0002	.0005	.22	.0009	.0021
%RSD	181.6	13.23	5.134	3.794	.3789	10.66	1.923	9.546	63.75
#1	-.0008	-.0604	.8534	7.471	.0594	-.0054	11.68	.0088	-.0048
#2	.0004	-.0463	.8577	7.334	.0591	-.0044	11.40	.0103	-.0040
#3	-.0009	-.0556	.9338	6.941	.0590	-.0052	11.24	.0087	-.0009
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0010	-0.0061	3.340	-0.0008	.6583	-0.0011	-0.0011	-0.0006	.0489
Stddev	.0021	.0049	.012	.0010	.0009	.0005	.0034	.0003	.0003
%RSD	208.7	79.68	.3608	131.5	.1392	41.80	312.5	48.16	.6561
#1	.0006	-.0015	3.339	-.0019	.6580	-.0014	.0027	-.0008	.0493
#2	-.0033	-.0056	3.329	.0001	.6593	-.0006	-.0020	-.0008	.0486
#3	-.0002	-.0111	3.353	-.0005	.6575	-.0014	-.0039	-.0003	.0488
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2650.5	4955.0	42439.	3649.5					
Stddev	5.7	2.4	65.	7.0					
%RSD	.21596	.04869	.15226	.19196					
#1	2645.4	4955.1	42454.	3644.5					
#2	2649.6	4952.5	42494.	3657.5					
#3	2656.7	4957.3	42368.	3646.4					

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Sample Name: FA33260-1 Acquired: 4/22/2016 12:33:17 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0008	.4229	.0580	.0152	-0.0015	826.0	-0.0007	.0000	.0043
Stddev	.0003	.0133	.0035	.0010	.0003	2.5	.0006	.001	.0018
%RSD	41.54	3.152	6.053	6.264	16.39	.3059	81.42	3271.	43.12
#1	.0007	.4077	.0616	.0149	-.0015	828.5	-.0010	-.0004	.0063
#2	.0006	.4324	.0545	.0162	-.0018	823.4	-.0012	-.0001	.0038
#3	.0012	.4287	.0580	.0144	-.0013	826.2	-.0001	.0005	.0027
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0017	.2533	.3278	238.5	.0045	.0501	F 4725.	.0004	-0.0056
Stddev	.0008	.0124	.22	.3	.0003	.0006	.79	.0004	.0031
%RSD	46.98	4.911	.6570	.1171	6.576	1.115	1.670	96.51	55.30
#1	.0008	.2670	.3300	238.7	.0048	.0500	4712.	.0000	-.0068
#2	.0020	.2427	.3257	238.5	.0047	.0507	4809.	.0007	-.0079
#3	.0024	.2502	.3276	238.2	.0042	.0495	4653.	.0004	-.0021
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0003	.2347	2.973	.0002	12.46	.0086	-0.0070	.0214	.0352
Stddev	.0017	.0073	.007	.0018	.05	.0014	.0101	.0003	.0005
%RSD	513.2	3.124	.2508	943.0	.4299	16.26	144.7	1.263	1.456
#1	-.0009	.2318	2.975	-.0015	12.50	.0076	.0015	.0213	.0346
#2	.0023	.2431	2.979	.0000	12.39	.0102	-.0042	.0217	.0355
#3	-.0004	.2293	2.965	.0021	12.48	.0079	-.0181	.0212	.0354
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1965.1	4240.7	34510.	3444.0					
Stddev	4.8	7.4	48.	5.6					
%RSD	.24622	.17385	.13989	.16260					
#1	1961.6	4232.5	34513.	3437.6					
#2	1970.6	4246.7	34461.	3447.7					
#3	1963.0	4242.9	34557.	3446.9					

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Sample Name: FA33260-2 Acquired: 4/22/2016 12:37:53 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0011	.2865	.0072	.0235	-0.0016	818.4	-0.0008	.0001	-0.0029
Stddev	.0013	.0171	.0008	.0011	.0003	1.4	.0002	.0008	.0007
%RSD	118.8	5.957	11.00	4.540	16.29	.1696	26.85	833.4	23.07
#1	-.0003	.2675	.0068	.0247	-.0015	817.8	-.0010	.0004	-.0026
#2	.0022	.2917	.0081	.0229	-.0019	817.4	-.0006	-.0008	-.0023
#3	.0012	.3005	.0066	.0228	-.0014	820.0	-.0007	.0006	-.0036
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0028	.0795	50.22	221.3	.0117	.1844	F 7961.	-0.0003	-0.0032
Stddev	.0015	.0176	.11	.6	.0000	.0006	.241.	.0012	.0025
%RSD	53.81	22.16	.2279	.2682	.3900	.3365	3.022	411.6	77.72
#1	.0037	.0926	50.18	221.9	.0117	.1837	8233.	-.0006	-.0006
#2	.0011	.0865	50.14	220.8	.0117	.1850	7775.	-.0012	-.0036
#3	.0035	.0595	50.35	221.2	.0116	.1845	7876.	.0010	-.0055
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0065	.0669	2.936	-0.0002	14.74	.0065	-0.0055	.0220	.0464
Stddev	.0096	.0076	.022	.0036	.03	.0025	.0065	.0004	.0005
%RSD	147.5	11.42	.7496	2111.	.2292	37.88	118.0	1.764	1.071
#1	-.0017	.0700	2.949	.0040	14.78	.0093	-.0054	.0224	.0464
#2	-.0175	.0582	2.949	-.0023	14.72	.0053	.0009	.0218	.0470
#3	-.0003	.0724	2.911	-.0022	14.72	.0049	-.0121	.0217	.0460
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1792.1	3959.2	31921.	3413.1					
Stddev	2.7	10.2	93.	4.6					
%RSD	.14902	.25654	.29282	.13516					
#1	1791.6	3952.2	31895.	3414.5					
#2	1789.7	3954.5	32024.	3416.8					
#3	1795.0	3970.8	31843.	3407.9					

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Sample Name: FA33260-3 Acquired: 4/22/2016 12:42:30 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0020	2.254	.0286	.0257	-0.0017	1013.	-0.0010	.0010	.0008
Stddev	.0009	.041	.0027	.0006	.0002	6.	.0003	.0004	.0007
%RSD	43.83	1.831	9.322	2.391	13.88	5.856	27.00	40.19	90.14
#1	.0023	2.210	.0306	.0262	-.0015	1008.	-.0009	.0011	.0014
#2	.0028	2.259	.0256	.0250	-.0019	1011.	-.0013	.0014	.0011
#3	.0010	2.292	.0296	.0259	-.0018	1020.	-.0008	.0006	.0000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)		

Sample Name: FA33261-1 Acquired: 4/22/2016 12:47:05 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0009	.2072	.0085	.0131	-.0014	764.6	-.0010	-.0001	-.0008
Stddev	.0027	.0252	.0030	.0008	.0002	2.7	.0003	.0006	.0021
%RSD	295.8	12.15	35.32	5.743	15.52	.3491	25.78	860.5	247.5
#1	-.0022	.2149	.0052	.0129	-.0016	763.8	-.0008	-.0006	-.0013
#2	-.0022	.2275	.0112	.0126	-.0012	762.4	-.0013	.0006	.0014
#3	.0027	.1790	.0092	.0140	-.0013	767.6	-.0010	-.0002	-.0026
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0026	.0425	3.033	248.6	.0031	1.011	F 5719	-.0004	-.0021
Stddev	.0011	.0072	.20	1.2	.0001	.0015	52.	.0007	.0000
%RSD	41.89	17.00	.6254	.4874	2.323	1.482	.9106	163.0	.7295
#1	.0018	.0342	32.46	248.0	.0030	.1010	5660.	-.0012	-.0021
#2	.0022	.0468	32.06	247.9	.0031	.1026	5735.	.0002	-.0021
#3	.0039	.0466	32.31	250.0	.0031	.0996	5760.	-.0003	-.0021
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0056	.0699	3.033	.0022	12.68	.0033	-.0023	.0005	.0535
Stddev	.0011	.0060	.04	.0021	.04	.0000	.0038	.0005	.0008
%RSD	19.13	8.651	.1299	98.27	.2777	1.147	161.5	97.82	1.421
#1	-.0044	.0763	3.032	.0013	12.70	.0034	-.0014	.0009	.0531
#2	-.0063	.0690	3.030	.0006	12.64	.0033	-.0065	.0006	.0544
#3	-.0062	.0643	3.038	.0046	12.70	.0033	.0009	.0000	.0531
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1894.4	4102.8	3336.0	3453.1					
Stddev	4.1	2.1	177.	26.0					
%RSD	.21761	.05077	.53201	.75385					
#1	1896.2	4104.1	33155.	3479.6					
#2	1889.7	4100.4	33461.	3452.1					
#3	1897.4	4104.0	33464.	3427.5					

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Sample Name: FA33261-2 Acquired: 4/22/2016 12:51:43 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0006	3.066	.0079	.0366	-.0015	879.9	-.0010	.0024	.0012
Stddev	.0019	.035	.0018	.0011	.0003	.8	.0001	.0003	.0016
%RSD	334.2	1.149	22.63	3.066	19.58	.0922	6.628	13.69	131.5
#1	-.0016	3.101	.0093	.0353	-.0017	878.9	-.0010	.0028	.0016
#2	-.0017	3.031	.0084	.0375	-.0016	880.4	-.0009	.0022	.0026
#3	.0016	3.067	.0059	.0370	-.0012	880.2	-.0010	.0022	-.0005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0042	2.211	42.37	235.9	.2838	1.378	F 7957	.0020	-.0050
Stddev	.0010	.020	.27	2.	.0016	.0003	203.	.0007	.0043
%RSD	23.40	.8929	.6484	.1001	.5625	.2010	2.553	32.05	86.33
#1	.0053	2.226	42.18	236.1	.2819	1.380	8182.	.0013	-.0025
#2	.0033	2.189	42.25	236.0	.2848	1.375	7788.	.0025	-.0099
#3	.0041	2.218	42.69	235.7	.2846	1.380	7901.	.0023	-.0025
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0089	-.0007	6.797	.0001	15.94	.0736	-.0101	.0333	.0481
Stddev	.0050	.0060	.035	.0008	.05	.0063	.0028	.0002	.0002
%RSD	56.59	879.2	.5079	640.7	.3177	8.570	27.62	.5950	.5058
#1	-.0053	-.0039	6.789	.0003	15.88	.0663	-.0094	.0334	.0478
#2	-.0068	-.0044	6.834	-.0007	15.97	.0777	-.0077	.0331	.0483
#3	-.0147	.0063	6.767	.0008	15.97	.0768	-.0131	.0334	.0480
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1766.5	3930.6	31649.	3422.9					
Stddev	3.2	4.4	36.	11.0					
%RSD	.18281	.11074	.11416	.32219					
#1	1770.2	3932.3	31683.	3419.2					
#2	1765.1	3925.7	31611.	3435.3					
#3	1764.1	3933.8	31653.	3414.3					

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7.2
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Sample Name: CCV Acquired: 4/22/2016 12:56:20 Type: QC
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.547	41.09	2.021	2.025	2.057	41.45	2.057	2.052	2.067
Stddev	.0006	.07	.003	.005	.002	.10	.004	.002	.001
%RSD	.2162	.1794	.1351	.2464	.0775	.2298	.1774	.0734	.0279
#1	.2553	41.01	2.019	2.020	2.057	41.46	2.053	2.050	2.066
#2	.2543	41.13	2.019	2.025	2.059	41.55	2.057	2.051	2.067
#3	.2544	41.14	2.024	2.030	2.055	41.36	2.061	2.053	2.067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.025	40.27	41.03	41.54	2.091	2.025	40.02	2.056	2.029
Stddev	.011	.06	.14	.09	.003	.003	.18	.003	.006
%RSD	.5526	.1370	.3321	.2243	.1268	.1541	.4526	.1532	.3175
#1	2.036	40.23	40.89	41.47	2.093	2.021	39.84	2.055	2.030
#2	2.026	40.34	41.16	41.64	2.090	2.025	40.01	2.054	2.023
#3	2.013	40.25	41.04	41.49	2.088	2.028	40.20	2.060	2.035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.014	2.023	1.453	2.066	2.026	2.054	2.045	2.037	2.067
Stddev	.009	.005	.002	.004	.004	.004	.001	.002	.006
%RSD	.4597	.2441	.1564	.1841	.2015	.1709	.0536	.1157	.3026
#1	2.008	2.029	1.450	2.061	2.022	2.058	2.045	2.037	2.061
#2	2.010	2.020	1.453	2.068	2.030	2.053	2.044	2.040	2.073
#3	2.025	2.020	1.455	2.068	2.026	2.051	2.046	2.035	2.068
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 4/22/2016 12:56:20 Type: QC
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2280.9	4709.9	40061.	3531.3
Stddev	3.7	6.5	42.	16.7
%RSD	.16126	.13840	.10424	.47411
#1	2278.8	4709.9	40014.	3549.9
#2	2285.2	4716.4	40075.	3517.4
#3	2278.8	4703.4	40094.	3526.6

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Sample Name: CCB Acquired: 4/22/2016 13:00:30 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0009	-0.001	.0000	-0.001	.0035	-0.001	.0000	.0000
Stddev	.000	.0060	.0003	.0002	.0001	.0030	.0000	.0000	.000
%RSD	230.5	647.1	231.0	790.5	52.37	85.35	25.73	132.8	972.6
#1	.0000	.0045	.0002	-.0002	.0000	.0035	-.0001	.0001	.0001
#2	.0000	-.0060	-.0003	-.0002	-.0001	.0064	-.0001	.0000	.0000
#3	-.0001	.0044	-.0003	.0000	-.0001	.0005	-.0001	.0001	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0045	.0288	-.0105	.0000	.0003	.2679	.0000	-.0002
Stddev	.0001	.0035	.0325	.0032	.000	.0002	.0076	.0001	.0005
%RSD	3274.	77.96	112.8	30.51	66.09	68.48	2.822	2901.	219.8
#1	-.0001	.0005	.0631	-.0140	.0000	.0005	.2721	.0001	-.0008
#2	.0001	.0067	.0250	-.0077	.0000	.0002	.2725	-.0001	-.0001
#3	.0000	.0062	-.0016	-.0099	.0000	.0001	.2592	.0000	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0007	.0010	.0000	-.0001	.0004	-.0002	.0001	.0000
Stddev	.000	.0005	.0006	.0001	.0001	.0001	.0007	.0001	.000
%RSD	286.4	66.70	58.62	209.1	119.4	31.70	419.3	116.8	186.0
#1	.0000	-.0009	.0003	.0000	-.0001	.0006	-.0005	.0001	-.0001
#2	-.0001	-.0002	.0013	.0001	.0000	.0004	.0008	.0001	.0000
#3	.0000	-.0011	.0014	.0000	-.0001	.0003	.0002	.0000	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/22/2016 13:00:30 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2681.3	4951.9	42279.	3649.5
Stddev	6.4	3.6	80.	7.5
%RSD	.23805	.07237	.18847	.20555
#1	2674.8	4950.7	42293.	3641.7
#2	2687.6	4955.9	42350.	3650.0
#3	2681.5	4949.0	42193.	3656.7

Sample Name: FA33261-3 Acquired: 4/22/2016 13:05:03 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0006	.5572	.0052	.0223	-.0010	584.0	-.0005	.0001	.0011
Stddev	.0013	.0610	.0047	.0004	.0002	1.0	.0001	.0001	.0009
%RSD	203.3	10.95	92.13	1.947	25.41	.1725	16.65	191.5	84.10
#1	-.0021	.5742	.0094	.0228	-.0008	584.3	-.0006	.0002	.0021
#2	-.0002	.6078	.0060	.0219	-.0008	582.9	-.0004	.0001	.0003
#3	.0004	.4895	.0000	.0223	-.0013	584.8	-.0006	-.0001	.0008

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0043	.3246	24.50	119.5	.0469	.0572	F 4764.	.0005	-.0046
Stddev	.0017	.0156	.27	.6	.0014	.0010	.9	.0012	.0026
%RSD	39.98	4.807	1.082	.5233	2.995	1.664	.1814	247.1	55.45
#1	.0048	.3402	24.50	119.7	.0461	.0582	4762.	.0018	-.0058
#2	.0058	.3090	24.23	119.9	.0462	.0563	4757.	.0001	-.0017
#3	.0024	.3244	24.76	118.8	.0486	.0573	4774.	-.0005	-.0064

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0029	.0577	3.312	.0011	7.499	.0192	-.0072	.0132	.0416
Stddev	.0023	.0066	.001	.0014	.034	.0035	.0072	.0010	.0002
%RSD	79.99	11.47	.0353	132.4	.4566	18.43	100.2	7.878	.3815
#1	-.0013	.0646	3.311	.0011	7.482	.0154	-.0129	.0122	.0416
#2	-.0018	.0569	3.313	.0024	7.477	.0198	.0009	.0132	.0414
#3	-.0056	.0515	3.312	-.0004	7.539	.0224	-.0095	.0143	.0417

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1969.2	4208.5	34658.	3488.2
Stddev	3.7	13.0	35.	6.4
%RSD	.19028	.30834	.10062	.18357
#1	1973.3	4223.5	34655.	3488.9
#2	1968.6	4201.1	34625.	3494.2
#3	1965.9	4201.0	34695.	3481.5

Sample Name: FA33262-1 Acquired: 4/22/2016 13:09:41 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0005	6.107	.0120	.0623	-.0013	1184.	-.0009	.0032	.0056
Stddev	.0007	.080	.0041	.0012	.0003	6.	.0000	.0003	.0011
%RSD	144.4	1.309	34.60	1.945	24.97	.4917	1.495	9.723	19.03
#1	.0000	6.142	.0072	.0621	-.0010	1188.	-.0009	.0035	.0058
#2	.0002	6.162	.0143	.0611	-.0017	1186.	-.0009	.0030	.0066
#3	.0013	6.015	.0144	.0635	-.0012	1177.	-.0009	.0031	.0045

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0046	6.178	66.11	276.6	.2162	.1626	F 8812.	.0070	-.0064
Stddev	.0014	.019	.11	2.1	.0005	.0009	.447	.0013	.0038
%RSD	30.59	.3051	.1676	.7508	.2542	.5694	5.070	19.28	59.34
#1	.0048	6.194	66.19	278.1	.2168	.1636	9295.	.0063	-.0033
#2	.0031	6.182	66.15	277.5	.2158	.1624	8414.	.0061	-.0053
#3	.0059	6.157	65.98	274.2	.2159	.1618	8727.	.0085	-.0107

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0099	.0724	10.61	.0013	F 21.60	.0751	-.0134	.0134	.0605
Stddev	.0016	.0048	.02	.0013	.08	.0006	.0060	.0019	.0002
%RSD	16.13	6.671	.1963	103.7	.3814	.7991	44.85	13.83	.3186
#1	-.0087	.0697	10.61	.0028	21.56	.0758	-.0070	.0150	.0603
#2	-.0117	.0696	10.58	.0007	21.69	.0748	-.0190	.0114	.0606
#3	-.0093	.0780	10.62	.0003	21.54	.0747	-.0142	.0139	.0606

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1673.3	3786.3	30712.	3439.6
Stddev	2.0	5.8	150.	23.3
%RSD	.11993	.15339	.48735	.67883
#1	1671.1	3785.5	30807.	3429.6
#2	1673.6	3792.4	30790.	3422.9
#3	1675.1	3780.9	30540.	3466.3

Sample Name: FA33262-2 Acquired: 4/22/2016 13:14:18 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	2.145	.0091	.0248	-.0015	783.3	-.0008	.0004	-.0001
Stddev	.0019	.008	.0007	.0007	.0002	3.2	.0002	.0009	.0019
%RSD	984.4	.3617	7.402	2.781	12.84	.4027	25.40	258.6	1784.
#1	.0023	2.144	.0095	.0256	-.0016	785.5	-.0009	.0003	-.0019
#2	-.0004	2.153	.0083	.0243	-.0013	779.7	-.0005	-.0006	-.0004
#3	-.0013	2.137	.0094	.0245	-.0016	784.7	-.0009	.0013	.0019
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0033	1.344	30.16	171.5	.0784	.0960	F 5627	-.0003	-.0095
Stddev	.0009	.014	.09	.7	.0006	.0006	43.	.0004	.0055
%RSD	26.86	1.040	.2967	.3817	.8017	.6068	.7588	130.7	58.14
#1	.0040	1.354	30.23	172.1	.0787	.0962	5635.	.0001	-.0073
#2	.0023	1.328	30.19	170.8	.0788	.0964	5580.	-.0004	-.0158
#3	.0034	1.350	30.06	171.4	.0777	.0953	5664.	-.0008	-.0054
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0056	.2178	5.815	.0027	11.54	.0775	-.0097	.0064	.0470
Stddev	.0044	.0149	.024	.0007	.04	.0060	.0036	.0005	.0006
%RSD	77.58	6.843	.4203	25.49	.3317	7.720	36.79	7.939	1.255
#1	-.0029	.2294	5.817	.0020	11.56	.0842	-.0137	.0068	.0463
#2	-.0033	.2010	5.839	.0026	11.50	0754	-.0079	.0059	.0472
#3	-.0106	.2229	5.790	.0034	11.57	0728	-.0073	.0067	.0474
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1898.3	4131.3	33484.	3460.4					
Stddev	4.8	8.3	69.	13.8					
%RSD	.25293	.20032	.20614	.39777					
#1	1894.8	4124.7	33560.	3452.0					
#2	1903.8	4140.6	33468.	3476.3					
#3	1896.4	4128.7	33425.	3452.9					

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7.2

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Sample Name: FA33262-3 Acquired: 4/22/2016 13:18:53 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0010	2.862	.0172	.0201	-.0017	768.0	-.0008	.0012	.0062
Stddev	.0010	.038	.0020	.0003	.0002	4.1	.0001	.0006	.0012
%RSD	99.14	1.319	11.48	1.324	12.56	.5375	13.11	51.96	18.73
#1	.0019	2.898	.0189	.0201	-.0017	764.0	-.0007	.0011	.0072
#2	.0000	2.866	.0150	.0198	-.0019	767.9	-.0007	.0018	.0067
#3	.0010	2.822	.0175	.0203	-.0014	772.2	-.0009	.0006	.0049
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0053	2.122	28.17	141.8	.0523	.0927	F 4569	.0023	-.0045
Stddev	.0013	.012	.20	.7	.0003	.0004	35.	.0014	.0043
%RSD	24.61	.5454	.7128	.5088	.4881	.4117	.7666	61.33	96.10
#1	.0051	2.126	28.26	141.5	.0522	.0926	4529.	.0023	-.0055
#2	.0067	2.132	28.30	141.3	.0521	.0924	4583.	.0009	-.0002
#3	.0041	2.109	27.94	142.6	.0526	.0932	4594.	.0038	-.0083
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0050	.2675	6.434	.0006	10.22	.0324	-.0040	.0348	.0624
Stddev	.0032	.0037	.017	.0005	.02	.0006	.0034	.0003	.0005
%RSD	64.19	1.375	.2700	73.66	.2117	1.779	85.79	8131	.7257
#1	-.0026	.2714	6.419	.0011	10.22	.0317	-.0078	.0346	.0629
#2	-.0087	.2669	6.431	.0007	10.24	.0325	-.0011	.0351	.0620
#3	-.0038	.2641	6.453	.0001	10.20	.0328	-.0032	.0346	.0625
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1950.9	4202.9	34389.	3471.5					
Stddev	3.5	3.5	96.	18.1					
%RSD	.17922	.08280	.27978	.52081					
#1	1951.0	4205.5	34307.	3489.7					
#2	1947.4	4204.2	34495.	3471.1					
#3	1954.4	4199.0	34365.	3453.6					

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Sample Name: FA33263-1 Acquired: 4/22/2016 13:23:29 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0005	1.318	.0065	.0241	-.0017	842.7	-.0010	.0008	.0014
Stddev	.0018	.024	.0081	.0018	.0003	3.8	.0008	.0006	.0009
%RSD	377.0	1.819	123.7	7.436	16.45	.4554	76.88	72.53	63.81
#1	-.0015	1.292	.0029	.0239	-.0015	840.0	-.0009	.0014	.0008
#2	.0010	1.338	.0158	.0260	-.0020	847.1	-.0018	.0005	.0009
#3	.0019	1.325	.0009	.0224	-.0015	841.0	-.0003	.0004	.0023
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0018	.9375	37.32	183.0	.0576	.1477	F 7536.	.0006	-.0058
Stddev	.0008	.0044	.19	.7	.0002	.0002	120.	.0003	.0019
%RSD	44.34	.4734	.4979	.3738	.3937	.1629	1.592	40.74	32.13
#1	.0010	.9364	37.11	183.1	.0578	.1477	7669.	.0008	-.0058
#2	.0017	.9423	37.39	183.6	.0577	.1475	7504.	.0003	-.0039
#3	.0026	.9336	37.46	182.3	.0574	.1480	7435.	.0008	-.0076
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0048	.1078	4.041	.0012	13.92	.0219	-.0054	.0111	.0585
Stddev	.0027	.0099	.014	.0008	.02	.0049	.0100	.0005	.0003
%RSD	56.36	9.177	.3480	67.38	.1380	22.40	184.7	4.658	.5654
#1	-.0023	.1021	4.028	.0010	13.91	.0179	-.0118	.0116	.0582
#2	-.0044	.1020	4.056	.0005	13.90	.0205	-.0105	.0110	.0588
#3	-.0077	.1192	4.037	.0022	13.94	.0274	.0061	.0106	.0585
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1792.7	3968.1	31882.	3422.7					
Stddev	2.7	3.8	39.	27.1					
%RSD	.14924	.09514	.12202	.79128					
#1	1795.6	3972.3	31846.	3422.7					
#2	1792.3	3966.9	31876.	3395.6					
#3	1790.2	3965.1	31923.	3449.7					

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Sample Name: FA33263-2 Acquired: 4/22/2016 13:28:05 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0020	.5251	.0249	.0173	-.0018	931.0	-.0007	.0006	-.0003
Stddev	.0012	.0158	.0043	.0013	.0001	2.6	.0004	.0006	.0006
%RSD	62.35	3.014	17.09	7.673	5.163	.2827	49.31	113.3	193.5
#1	.0033	.5395	.0226	.0174	-.0017	929.8	-.0009	.0011	-.0010
#2	.0011	.5276	.0223	.0159	-.0018	929.3	-.0003	.0007	.0003
#3	.0014	.5081	.0299	.0185	-.0019	934.1	-.0010	-.0001	-.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0044	.3552	32.89	336.4	.0437	.0414	F 5253.	.0019	-.0046
Stddev	.0009	.0200	.30	.2	.0002	.0011	98.	.0005	.0022
%RSD	19.34	5.629	.9160	.0686	.4973	2.632	1.870	26.47	48.22
#1	.0037	.3331	33.12	336.6	.0437	.0426	5153.	.0014	-.0072
#2	.0043	.3719	32.55	336.5	.0439	.0413	5256.	.0019	-.0029
#3	.0053	.3607	33.00	336.2	.0435	.0404	5350.	.0024	-.0038
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)				

Sample Name: FA33263-3 Acquired: 4/22/2016 13:32:45 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	4.883	5.058	0.174	-0.018	950.8	-0.009	0.009	0.047
Stddev	.0022	.0068	.0003	.0002	.0003	2.0	.0001	.0004	.0015
%RSD	827.0	1.397	.0664	1.394	16.97	.2124	14.00	52.32	32.35
#1	.0021	4.956	.5060	.0173	-.0015	951.2	-.0011	.0009	.0057
#2	-.0008	4.873	.5060	.0177	-.0021	952.7	-.0008	.0013	.0054
#3	-.0022	4.821	.5054	.0173	-.0019	948.7	-.0009	.0004	.0029

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.021	2.837	48.71	54.58	0.109	2.383	F 6846	-0.008	-0.015
Stddev	.0009	.0209	.10	.39	.0003	.0008	73.	.0002	.0069
%RSD	41.77	7.382	.2031	.7160	2.405	.3345	1.059	27.62	60.38
#1	.0029	2.811	48.60	54.36	.0106	2.392	6823.	-.0010	-.0128
#2	.0023	2.642	48.74	55.03	.0111	2.381	6787.	-.0006	-.0177
#3	.0012	3.058	48.80	54.34	.0110	2.377	6927.	-.0010	-.0040

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.011	4.101	3.323	-0.006	13.81	0.067	-0.087	1.283	0.341
Stddev	.0042	.0080	.015	.0008	.03	.0011	.0125	.0006	.0007
%RSD	401.5	1.945	.4622	120.5	.1980	16.30	143.8	48.73	1.981
#1	-.0025	4.049	3.308	-.0011	13.82	0.058	-.0191	1.279	0.336
#2	-.0001	4.061	3.321	-.0011	13.82	0.064	-.0051	1.279	0.338
#3	.0057	4.193	3.339	.0002	13.78	0.079	-.0120	1.290	0.349

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1829.0	4040.1	3263.1	3425.6
Stddev	3.8	8.5	72.	15.7
%RSD	.20617	.21065	.22060	.45731
#1	1828.7	4047.1	32640.	3429.1
#2	1832.9	4042.7	32555.	3408.5
#3	1825.4	4030.6	32698.	3439.2

Sample Name: CCV Acquired: 4/22/2016 13:37:21 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.545	41.12	2.022	2.046	2.046	41.51	2.057	2.055	2.072
Stddev	.0005	.33	.006	.010	.011	.34	.003	.003	.011
%RSD	.2142	.8023	.2980	.4940	.5168	.8311	.1347	.1452	.5445
#1	.2550	41.40	2.021	2.053	2.055	41.68	2.058	2.056	2.060
#2	.2546	41.21	2.028	2.049	2.049	41.74	2.059	2.057	2.073
#3	.2539	40.76	2.016	2.034	2.034	41.11	2.054	2.051	2.082

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.028	39.97	41.43	41.03	2.090	2.028	39.81	2.053	2.035
Stddev	.005	.31	.34	.54	.007	.001	.21	.003	.003
%RSD	.2655	.7750	.8315	1.308	.3197	.0371	.5157	.1587	.1240
#1	2.035	40.16	41.63	41.52	2.083	2.028	39.93	2.055	2.033
#2	2.025	40.14	41.63	41.12	2.089	2.027	39.93	2.055	2.035
#3	2.025	39.62	41.03	40.45	2.097	2.027	39.58	2.050	2.038

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.020	2.031	1.454	2.072	2.042	2.053	2.041	2.042	2.070
Stddev	.006	.005	.001	.003	.016	.003	.007	.008	.004
%RSD	.2754	.2263	.0847	.1517	.7645	.1647	.3639	.3873	.2185
#1	2.025	2.036	1.455	2.074	2.054	2.050	2.034	2.034	2.073
#2	2.020	2.027	1.454	2.073	2.048	2.053	2.040	2.043	2.073
#3	2.014	2.030	1.452	2.068	2.024	2.057	2.049	2.050	2.065

7.2

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Sample Name: CCV Acquired: 4/22/2016 13:37:21 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2271.0	4708.5	40049.	3567.4
Stddev	5.0	8.3	129.	35.2
%RSD	.21989	.17667	.32208	.98797
#1	2276.7	4709.3	40187.	3536.9
#2	2267.6	4699.8	40028.	3559.4
#3	2268.7	4716.4	39932.	3606.0

Sample Name: CCB Acquired: 4/22/2016 13:41:32 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.001	0.014	0.000	0.002	-0.001	0.062	0.000	0.001	0.001
Stddev	.0001	.0065	.000	.0001	.0000	.0019	.0000	.0000	.0000
%RSD	52.39	464.9	1540.	73.49	55.37	31.11	41.59	26.71	28.41
#1	.0002	.0045	.0004	.0003	.0000	.0043	.0001	.0001	.0002
#2	.0002	-.0060	-.0001	.0002	-.0001	.0082	.0000	.0001	.0001
#3	.0001	.0057	-.0003	.0001	-.0001	.0060	.0000	.0001	.0001

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.000	0.034	-0.0256	-0.010	0.000	0.004	0.3077	0.001	-0.007
Stddev	.000	.0012	.0144	.0079	.0000	.0003	.0079	.001	.0003
%RSD	254.2	35.93	56.28	819.1	104.4	73.60	2.564	116.5	49.93
#1	.0001	.0020	-.0108	-.0090	.0000	.0006	.3113	.0001	-.0004
#2	-.0001	.0044	-.0264	-.0007	.0001	.0004	.3132	.0002	-.0011
#3	-.0001	.0039	-.0396	.0068	.0000	.0001	.2987	.0000	-.0006

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.000	-0.014	0.012	0.003	0.000	0.005	-0.004	-0.001	0.001
Stddev	.001	.0021	.0003	.0003	.000	.0001	.0008	.0001	.0001
%RSD	1017.	156.3	28.62	85.41	237.3	18.66	221.0	143.7	116.5
#1	-.0005	.0003	.0008	.0000	.0000	.0006	-.0013	-.0002	.0002
#2	.0005	-.0006	.0013	.0005	.0000	.0005	.0002	-.0001	.0001
#3	-.0001	-.0038	.0014	.0004	-.0001	.0004	.0000	.0000	.0000

Sample Name: CCB Acquired: 4/22/2016 13:41:32 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2674.6	4956.3	42569.	3626.0
Stddev	5.6	2.8	201.	25.4
%RSD	.20906	.05750	.47184	.69928
#1	2668.2	4958.4	42641.	3653.0
#2	2678.7	4953.0	42724.	3602.7
#3	2676.8	4957.3	42342.	3622.2

Sample Name: MP30269-MB1 Acquired: 4/22/2016 13:59:49 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm
Avg	.0005	.0066	.0000	.0006	-.0016	.0080	-.0009	-.0008
Stddev	.0012	.0110	.002	.0007	.0001	.0031	.0000	.0001
%RSD	246.4	165.2	4395.	123.8	4.387	39.20	4.025	15.95
#1	.0018	.0160	.0000	.0013	-.0016	.0084	-.0009	-.0008
#2	.0000	.0094	-.0017	-.0001	-.0017	.0047	-.0010	-.0007
#3	-.0004	-.0054	.0016	.0004	-.0016	.0110	-.0010	-.0010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm
Avg	.0019	-.0007	-.0015	-.0483	-.0853	.0004	-.0043	.8725
Stddev	.0054	.0004	.0155	.1902	.1795	.0002	.0001	.0402
%RSD	284.7	52.21	1066.	393.9	210.5	47.33	2.693	4.607
#1	-.0004	-.0003	-.0186	-.2504	.1217	.0002	-.0044	.8641
#2	-.0020	-.0011	.0029	-.0215	-.1800	.0004	-.0043	.9162
#3	.0080	-.0007	.0114	.1271	-.1976	.0005	-.0041	.8371

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Ni2316 ppm	Pb2203 ppm	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm
Avg	-.0003	.0000	-.0016	F -.0082	.0193	F .0345	-.0011	-.0009
Stddev	.0006	.0018	.0035	.0079	.0011	.0006	.0002	.0003
%RSD	189.1	3903.	219.9	96.66	5.893	1.872	17.65	34.01
#1	-.0006	.0020	.0018	-.0031	.0195	.0339	-.0009	-.0012
#2	-.0007	-.0016	-.0014	-.0041	.0203	.0346	-.0012	-.0008
#3	.0004	-.0002	-.0053	-.0173	.0181	.0352	-.0013	-.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Fail None Chk Fail Chk Pass Chk Pass
 High Limit .0050
 Low Limit -.0050

Sample Name: MP30269-MB1 Acquired: 4/22/2016 13:59:49 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	-.0032	-.0012	F .0368
Stddev	.0059	.0003	.0001
%RSD	183.6	22.50	.2666
#1	-.0026	-.0011	.0369
#2	-.0095	-.0010	.0369
#3	.0024	-.0016	.0367

Check ? Chk Pass Chk Pass Chk Fail
 High Limit .0100
 Low Limit -.0100

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2644.8	4893.9	41703.	3559.3
Stddev	1.4	6.3	85.	9.4
%RSD	.05188	.12836	.20356	.26377
#1	2643.8	4886.7	41775.	3553.2
#2	2646.4	4896.4	41609.	3554.6
#3	2644.3	4898.5	41725.	3570.1

Sample Name: MP30269-B1 Acquired: 4/22/2016 14:04:22 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0481	28.03	1.997	2.076	.0518	27.02	.0526	.5380	.2175
Stddev	.0021	.09	.005	.007	.0006	.03	.0002	.0013	.0012
%RSD	4.305	.3076	.2541	.3164	1.144	.1275	.3325	.2485	.5559
#1	.0484	28.03	1.997	2.074	.0522	26.98	.0525	.5395	.2169
#2	.0499	27.94	2.002	2.070	.0512	27.04	.0528	.5375	.2189
#3	.0458	28.11	1.992	2.083	.0522	27.04	.0525	.5369	.2167

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.2679	27.50	26.06	26.33	.5709	.5031	26.19	.5466	.5017
Stddev	.0020	.15	.37	.15	.0027	.0021	.03	.0017	.0035
%RSD	.7335	.5473	1.418	.5562	.4699	.4080	.1255	.3172	.7049
#1	.2669	27.46	25.75	26.44	.5720	.5052	26.22	.5450	.4979
#2	.2701	27.38	26.47	26.39	.5729	.5030	26.19	.5485	.5023
#3	.2666	27.67	25.97	26.16	.5679	.5011	26.16	.5464	.5049

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.4997	2.007	.0374	.5944	.5100	.5263	2.042	.5038	.5904
Stddev	.0033	.003	.0041	.0017	.0012	.0015	.002	.0010	.0012
%RSD	.6699	.1332	11.03	.2938	.2359	.2878	.0960	.2044	.2103
#1	.5036	2.005	.0415	.5963	.5087	.5266	2.042	.5036	.5915
#2	.4978	2.005	.0376	.5929	.5101	.5277	2.044	.5049	.5906
#3	.4979	2.010	.0333	.5940	.5111	.5247	2.040	.5029	.5890

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30269-B1 Acquired: 4/22/2016 14:04:22 Type: QC
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2558.0	4881.4	41127.	3531.7
Stddev	7.9	7.4	144.	9.7
%RSD	.31012	.15126	.35115	.27355

#1	2566.5	4876.0	40962.	3538.6
#2	2556.9	4889.8	41191.	3520.6
#3	2550.7	4878.4	41229.	3535.7

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Sample Name: FA32107-16 Acquired: 4/22/2016 14:08:43 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0007	191.7	.0228	2.130	.0032	102.8	.0011	.0437	.2827
Stddev	.0009	1.5	.0047	.018	.0003	.4	.0003	.0005	.0016
%RSD	128.2	.7695	20.49	.8314	8.174	.3440	24.89	1.092	.5635

#1	-.0003	193.4	.0229	2.150	.0032	103.2	.0010	.0438	.2845
#2	.0013	190.6	.0275	2.119	.0029	102.7	.0010	.0431	.2817
#3	.0010	191.3	.0181	2.120	.0034	102.6	.0015	.0440	.2818

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6481	177.9	22.39	23.12	5.282	.0043	3.448	.1911	5.562
Stddev	.0029	.7	.07	.10	.006	.0008	.021	.0008	.011
%RSD	.4531	.4213	.3155	.4216	.1139	18.28	.6066	.4083	.1942

#1	.6501	178.7	22.33	23.19	5.289	.0038	3.467	.1920	5.562
#2	.6494	177.6	22.47	23.17	5.278	.0052	3.452	.1905	5.551
#3	.6447	177.3	22.38	23.01	5.279	.0039	3.425	.1909	5.572

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0076	-.0103	3.378	.0492	1.414	5.809	.0019	.4348	.5944
Stddev	.0055	.0090	.013	.0008	.014	.002	.0030	.0033	.0015
%RSD	71.98	87.12	.3893	1.537	1.007	.0417	153.0	.7507	.2496

#1	.0013	-.0136	3.363	.0499	1.430	5.807	.0041	.4311	.5958
#2	.0110	-.0171	3.381	.0484	1.402	5.812	.0032	.4373	.5947
#3	.0106	-.0001	3.389	.0493	1.412	5.808	-.0015	.4361	.5928

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2492.6	4911.3	41498.	3586.1
Stddev	3.3	12.4	131.	21.3
%RSD	.13290	.25219	.31662	.59522

#1	2494.9	4925.0	41366.	3565.1
#2	2494.0	4900.8	41497.	3585.4
#3	2488.8	4908.1	41629.	3607.8

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7.2
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Sample Name: MP30269-D1 Acquired: 4/22/2016 14:20:39 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	.0010	202.7	.0237	2.301	.0034	111.6	.0009	.0464	.3082
Stddev	.0016	1.0	.0012	.006	.0006	.7	.0004	.0004	.0004
%RSD	160.6	.5096	5.058	.2686	17.90	.6253	48.59	.7837	.1296

#1	.0026	203.9	.0227	2.308	.0030	112.4	.0013	.0465	.3084
#2	.0009	202.0	.0232	2.296	.0032	111.3	.0009	.0459	.3077
#3	-.0005	202.2	.0250	2.300	.0041	111.1	.0005	.0466	.3084

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7015	188.2	23.80	25.31	5.758	.0037	3.429	.2025	6.056
Stddev	.0053	1.2	.13	.24	.007	.0001	.065	.0017	.008
%RSD	.7622	.6267	.5285	.9341	.1304	3.775	1.894	.8548	.1309

#1	.7033	189.6	23.70	25.58	5.749	.0039	3.482	.2006	6.065
#2	.6955	187.7	23.77	25.17	5.759	.0036	3.356	.2041	6.049
#3	.7058	187.4	23.94	25.17	5.764	.0036	3.448	.2027	6.054

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0077	-.0062	3.248	.0485	1.540	5.830	-.0077	.4604	.6290
Stddev	.0047	.0025	.013	.0022	.009	.009	.0041	.0020	.0016
%RSD	60.68	39.48	.3893	4.612	.5548	.1468	53.84	.4446	.2552

#1	.0036	-.0037	3.252	.0471	1.550	5.825	-.0118	.4605	.6275
#2	.0068	-.0064	3.259	.0473	1.537	5.827	-.0035	.4624	.6307
#3	.0128	-.0086	3.234	.0511	1.533	5.840	-.0077	.4583	.6286

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2497.6	4916.0	41512.	3572.1
Stddev	3.9	9.9	89.	18.8
%RSD	.15455	.20106	.21457	.52729

#1	2494.5	4921.1	41571.	3550.6
#2	2501.9	4904.7	41556.	3585.6
#3	2496.3	4922.4	41409.	3580.2

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Sample Name: MP30269-D2 Acquired: 4/22/2016 14:25:01 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	.0005	193.4	.0299	2.121	.0030	102.9	.0006	.0434	.2924
Stddev	.0019	.4	.0007	.003	.0002	.2	.0002	.0009	.0021
%RSD	393.8	.1939	2.319	.1567	7.552	2043	32.65	1.962	.7126

#1	-.0015	193.0	.0306	2.125	.0033	102.7	.0008	.0431	.2944
#2	.0023	193.6	.0299	2.119	.0028	103.0	.0004	.0443	.2903
#3	.0006	193.6	.0292	2.120	.0030	103.1	.0006	.0427	.2925

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6402	179.2	22.19	23.31	5.288	.0043	3.249	.1908	5.694
Stddev	.0023	.4	.30	.12	.028	.0003	.035	.0007	.011
%RSD	.3558	.2130	1.361	.5262	.5253	6.156	1.069	.3915	.1849

#1	.6379	178.8	21.86	23.38	5.313	.0041	3.215	.1905	5.704
#2	.6425	179.4	22.25	23.16	5.258	.0046	3.249	.1903	5.683
#3	.6402	179.5	22.45	23.37	5.292	.0042	3.284	.1917	5.696

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0088	-.0095	3.205	.0469	1.418	5.844	-.0068	.4354	.5955
Stddev	.0023	.0022	.004	.0007	.006	.016	.0069	.0011	.0003
%RSD	25.54	22.81	.1182	1.502	.4354	.2765	102.3	.2625	.0498

#1	.0068	-.0120	3.209	.0462	1.413	5.853	-.0147	.4347	.5953
#2	.0085	-.0087	3.206	.0468	1.417	5.825	-.0018	.4367	.5959
#3	.0112	-.0079	3.202	.0476	1.425	5.854	-.0038	.4347	.5955

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2508.2	4965.3	41586.	3594.4
Stddev	1.3	2.2	237.	13.7
%RSD	.05365	.04419	.56939	.38138

#1	2508.2	4966.7	41510.	3595.8
#2	2506.9	4966.4	41852.	3580.1
#3	2509.6	4962.7	41397.	3607.4

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Sample Name: MP30269-SD1 Acquired: 4/22/2016 14:29:23 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 25.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stdev, %RSD, and Int. Std. values.

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Sample Name: MP30269-PS1 Acquired: 4/22/2016 14:33:47 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stdev, %RSD, and Int. Std. values.

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Sample Name: MP30269-S1 Acquired: 4/22/2016 14:38:07 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stdev, %RSD, and Int. Std. values.

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Sample Name: MP30269-S2 Acquired: 4/22/2016 14:42:25 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stdev, %RSD, and Int. Std. values.

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7.2

Sample Name: FA32107-19 Acquired: 4/22/2016 14:46:43 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	315.7	.0316	4.385	.0071	98.09	.0019	.0717	4.589
Stddev	.0005	.3	.0027	.003	.0005	.40	.0004	.0007	.0009
%RSD	228.3	.0938	8.440	.0726	6.360	.4091	23.00	.9647	.1994
#1	.0006	315.8	.0310	4.382	.0076	97.64	.0022	.0724	4.598
#2	.0005	315.4	.0294	4.388	.0068	98.20	.0014	.0710	4.580
#3	-.0004	315.9	.0346	4.383	.0069	98.42	.0022	.0718	4.589
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5602	262.2	23.88	27.77	9.567	.0080	3.466	.3060	3.750
Stddev	.0037	.3	.12	.07	.023	.0008	.020	.0017	.003
%RSD	.6610	.1220	.5060	.2516	.2373	9.622	.5792	.5637	.0830
#1	.5560	261.9	23.74	27.70	9.581	.0073	3.467	.3041	3.748
#2	.5630	262.2	23.91	27.76	9.541	.0088	3.486	.3062	3.748
#3	.5617	262.5	23.97	27.84	9.580	.0079	3.446	.3075	3.754
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(In2306)
Avg	.0080	-.0136	3.976	.0540	1.568	7.918	-.0023	.5878	.3992
Stddev	.0038	.0030	.005	.0007	.005	.016	.0026	.0005	.0011
%RSD	46.97	22.32	.1311	1.207	.2948	2.006	115.6	.0913	.2780
#1	.0050	-.0110	3.971	.0543	1.568	7.923	-.0053	.5880	.3980
#2	.0069	-.0169	3.975	.0533	1.572	7.901	-.0008	.5872	.3994
#3	.0122	-.0130	3.981	.0545	1.563	7.931	-.0007	.5882	.4002
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2481.6	4986.4	4174.3	3628.8					
Stddev	8.1	3.3	72.	6.8					
%RSD	.32711	.06672	.17349	.18633					
#1	2473.6	4983.5	4166.2	3636.0					
#2	2481.3	4990.1	4180.0	3622.6					
#3	2489.8	4985.7	4176.7	3627.8					

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Sample Name: CCV Acquired: 4/22/2016 14:51:04 Type: QC
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2579	41.76	2.011	2.066	2.066	42.28	2.053	2.060	2.101
Stddev	.0008	.23	.002	.015	.007	.06	.004	.002	.009
%RSD	.3087	.5508	.0870	.7347	.3211	.1492	.1783	.1157	.4363
#1	.2580	41.99	2.012	2.081	2.073	42.36	2.049	2.058	2.112
#2	.2570	41.53	2.009	2.051	2.062	42.26	2.055	2.059	2.097
#3	.2586	41.77	2.013	2.064	2.061	42.24	2.055	2.062	2.095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.058	40.52	42.16	42.15	2.115	2.035	41.16	2.044	2.037
Stddev	.006	.11	.21	.10	.009	.004	.25	.003	.003
%RSD	.3065	.2635	.4914	.2384	.4076	.2100	.6041	.1243	.1561
#1	2.059	40.64	42.37	42.10	2.124	2.032	41.45	2.041	2.039
#2	2.051	40.45	41.96	42.09	2.109	2.033	41.02	2.044	2.033
#3	2.063	40.46	42.16	42.27	2.111	2.040	41.02	2.046	2.037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.012	2.029	1.452	2.083	2.076	2.065	2.036	2.046	2.091
Stddev	.006	.016	.002	.003	.015	.004	.010	.004	.007
%RSD	.3218	.7692	.1550	.1575	.6993	.1964	.4700	.1928	.3230
#1	2.012	2.026	1.452	2.079	2.091	2.069	2.031	2.050	2.085
#2	2.005	2.014	1.450	2.086	2.062	2.061	2.031	2.045	2.098
#3	2.018	2.045	1.454	2.084	2.075	2.064	2.047	2.043	2.090
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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7.2
7

Sample Name: CCV Acquired: 4/22/2016 14:51:04 Type: QC
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2272.3	4728.1	3974.1	3505.1
Stddev	2.0	9.9	211.	5.2
%RSD	.08850	.21018	.53197	.14936
#1	2274.6	4734.9	3951.3	3501.7
#2	2271.6	4732.7	3993.0	3502.5
#3	2270.7	4716.7	3978.0	3511.1

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Sample Name: CCB Acquired: 4/22/2016 14:55:15 Type: QC
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0014	.0002	.0001	-.0001	-.0025	.0000	.0000	.0001
Stddev	.0002	.0036	.0009	.0003	.0001	.0014	.000	.0000	.0002
%RSD	300.9	265.9	439.1	563.0	52.45	53.24	111.6	47.37	301.3
#1	.0002	-.0027	.0002	.0004	-.0001	-.0040	.0000	.0000	.0003
#2	.0002	.0025	.0011	.0000	-.0002	-.0024	-.0001	.0000	.0000
#3	-.0002	.0043	-.0007	-.0002	-.0001	-.0013	-.0001	.0001	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0019	-.0186	-.0025	.0000	.0004	.0466	-.0002	.0004
Stddev	.0002	.0020	.0149	.0095	.0000	.0002	.0060	.0001	.0002
%RSD	636.5	106.0	80.24	377.0	34.68	46.54	12.85	34.04	51.13
#1	-.0001	-.0002	-.0201	-.0132	.0001	.0006	.0527	-.0002	.0006
#2	.0002	.0038	-.0030	.0051	.0000	.0004	.0407	-.0001	.0003
#3	-.0001	.0022	-.0327	.0005	.0000	.0002	.0464	-.0001	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-.0015	.0011	.0002	-.0001	.0005	-.0005	-.0001	.0000
Stddev	.0007	.0015	.0001	.0002	.0000	.0001	.0011	.0001	.000
%RSD	1073.	101.8	7.302	84.54	25.27	16.54	194.0	224.1	2817.
#1	-.0002	.0002	.0012	.0003	-.0001	.0006	-.0002	.0000	.0001
#2	-.0005	-.0026	.0012	.0000	.0000	.0004	-.0017	-.0002	.0000
#3	.0008	-.0020	.0010	.0003	-.0001	.0004	.0003	.0000	-.0001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 4/22/2016 14:55:15 Type: QC
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2655.5	4936.2	4211.3	3602.7
Stddev	2.4	4.2	39.	14.9
%RSD	.09089	.08525	.09233	.41359

#1	2657.0	4941.0	42094.	3606.8
#2	2652.7	4933.0	42158.	3615.1
#3	2656.9	4934.6	42088.	3586.1

Sample Name: FA32107-22 Acquired: 4/22/2016 14:59:49 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	.0006	247.2	.0272	2.247	.0055	49.10	.0021	.0585	.3931
Stddev	.0017	.3	.0020	.009	.0003	.18	.0002	.0005	.0030
%RSD	254.3	.1279	7.255	.3788	5.247	.3684	8.566	.8654	.7724

#1	.0019	247.6	.0250	2.243	.0058	49.16	.0019	.0579	.3943
#2	-.0012	247.0	.0277	2.241	.0056	48.90	.0020	.0585	.3953
#3	.0012	247.1	.0288	2.257	.0052	49.25	.0023	.0589	.3896

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_2243)	Na5895 (Y_2243)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.4901	221.1	20.74	21.88	4.551	.0081	4.220	.2311	6.453
Stddev	.0010	.0	.27	.23	.017	.0004	.042	.0011	.021
%RSD	.2093	.0203	1.280	1.058	.3636	5.059	.9829	.4754	.3260

#1	.4889	221.2	21.00	22.12	4.550	.0076	4.215	.2318	6.454
#2	.4904	221.1	20.47	21.88	4.568	.0082	4.181	.2316	6.431
#3	.4909	221.2	20.75	21.66	4.535	.0084	4.263	.2298	6.473

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.0079	-.0131	3.644	.0531	.8117	7.139	-.0035	.5211	.4696
Stddev	.0065	.0064	.004	.0023	.0032	.015	.0022	.0010	.0001
%RSD	82.16	48.53	.1045	4.254	.3947	.2041	62.51	.1895	.0293

#1	.0085	-.0122	3.639	.0510	.8137	7.144	-.0058	.5220	.4696
#2	.0142	-.0199	3.646	.0555	.8134	7.151	-.0035	.5213	.4697
#3	.0012	-.0073	3.645	.0530	.8080	7.123	-.0014	.5201	.4695

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2506.4	4977.7	42066.	3677.9
Stddev	1.3	2.5	176.	16.5
%RSD	.05063	.04967	.41849	.44930

#1	2505.4	4976.8	41971.	3676.7
#2	2507.8	4975.8	41958.	3662.0
#3	2506.0	4980.5	42269.	3695.0

7.2
7

Sample Name: FA32107-23 Acquired: 4/22/2016 15:04:10 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_3600)	Cr2677 (Y_3600)
Avg	.0000	220.0	.0260	1.561	.0043	30.38	.0001	.0476	.3460
Stddev	.001	1.2	.0004	.007	.0004	.20	.0003	.0003	.0028
%RSD	3536.	.5379	1.623	4.720	8.387	6.579	207.9	.6109	.8085

#1	-.0015	219.8	.0264	1.558	.0045	30.43	-.0001	.0476	.3430
#2	.0008	221.2	.0256	1.569	.0045	30.54	.0001	.0473	.3486
#3	.0006	218.9	.0261	1.555	.0039	30.15	.0004	.0479	.3463

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_2243)	Na5895 (Y_2243)	Ni2316 (In2306)	Pb2203 (In2306)
Avg	.1803	192.9	17.28	17.48	3.134	.0051	3.134	1.920	1.648
Stddev	.0015	.6	.28	.05	.008	.0007	.031	.0009	.002
%RSD	.8091	.2858	1.596	.2777	.2680	14.64	.9978	.4800	.1316

#1	.1819	193.3	17.55	17.50	3.128	.0042	3.118	.1931	1.646
#2	.1794	193.2	17.28	17.52	3.131	.0057	3.170	.1915	1.650
#3	.1794	192.3	17.00	17.42	3.144	.0053	3.114	.1914	1.647

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_3710)	Sr4077 (Y_3600)	Ti3349 (In2306)	Tl1908 (Y_3600)	V_2924 (Y_2243)	Zn2062 (Y_2243)
Avg	.0065	-.0104	3.244	.0486	.4837	6.320	.0011	.4516	.6024
Stddev	.0043	.0091	.005	.0017	.0023	.011	.0039	.0016	.0019
%RSD	66.98	86.73	.1565	3.579	.4845	.1755	364.8	.3604	.3087

#1	.0051	-.0173	3.248	.0502	.4821	6.313	.0053	.4499	.6017
#2	.0113	-.0002	3.239	.0467	.4863	6.315	.0004	.4531	.6009
#3	.0030	-.0138	3.247	.0488	.4826	6.333	-.0025	.4517	.6045

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2530.1	5000.0	41854.	3603.0
Stddev	1.3	6.5	175.	18.3
%RSD	.05194	.12962	.41921	.50759

#1	2530.0	5005.0	41967.	3604.6
#2	2531.4	5002.4	41942.	3583.9
#3	2528.7	4992.7	41652.	3620.4

Sample Name: FA32237-1 Acquired: 4/22/2016 15:08:31 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-.0002	243.1	.0907	1.228	.0067	57.54	.0022	.0655	.5581
Stddev	.0002	.7	.0014	.011	.0001	.48	.0003	.0002	.0032
%RSD	109.2	.2702	1.503	.8525	.9040	.8420	11.45	.3253	.5754

#1	.0000	243.0	.0895	1.233	.0066	57.64	.0019	.0652	.5617
#2	-.0003	243.8	.0922	1.234	.0067	57.97	.0023	.0656	.5555
#3	-.0003	242.5	.0905	1.216	.0067	57.01	.0024	.0656	.5570

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.5531	220.2	25.93	40.93	5.182	.0016	2.937	3.128	2.723
Stddev	.0054	.4	.04	.46	.027	.0002	.015	.0002	.006
%RSD	.9699	.1757	.1670	1.130	.5174	14.04	.5161	.0675	.2240

#1	.5477	220.4	25.94	41.05	5.203	.0016	2.921	.3126	2.729
#2	.5584	220.4	25.97	41.33	5.192	.0013	2.952	.3130	2.717
#3	.5531	219.7	25.89	40.42	5.152	.0018	2.938	.3128	2.723

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	-.0032	-.0113	2.762	.0445	.7017	8.161	-.0013	.4326	.5648
Stddev	.0054	.0086	.011	.0017	.0008	.023	.0018	.0015	.0009
%RSD	171.7	75.95	.3839	3.847	.1136	.2808	136.7	.3570	.1623

#1	-.0001	-.0020	2.756	.0455	.7019	8.176	-.0005	.4340	.5637
#2	.0000	-.0188	2.774	.0425	.7023	8.172	-.0034	.4329	.5652
#3	-.0094	-.0131	2.756	.0454	.7008	8.134	.0000	.4310	.5654

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2496.7	5069.7	42238.	3593.4
Stddev	4.1	12.8	246.	8.2
%RSD	.16422	.25251	.58126	.22816

#1	2492.2	5071.8	42131.	3597.2
#2	2500.3	5055.9	42065.	3584.0
#3	2497.4	5081.3	42519.	3599.1

Sample Name: FA32237-4 Acquired: 4/22/2016 15:12:51 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	341.0	0.540	3.095	0.092	96.50	0.011	0.804	5.615
Stddev	0.0027	.8	0.021	.007	0.003	.22	0.002	0.005	0.043
%RSD	696.8	2436	3.820	2.367	3.633	2.235	16.66	5.772	7.725
#1	.0016	341.8	0.562	3.092	0.092	96.64	0.009	0.807	5.613
#2	-0.0034	341.0	0.538	3.089	0.089	96.61	0.011	0.798	5.573
#3	0.006	340.1	0.521	3.103	0.096	96.25	0.012	0.806	5.660
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	6.410	289.0	35.96	40.46	9.895	0.040	4.098	3.776	7.351
Stddev	0.034	1.5	1.6	.53	0.016	0.007	.066	0.009	0.064
%RSD	5.331	5.135	4.549	1.312	1.568	18.68	1.608	2.333	8.771
#1	6.448	290.5	36.14	40.90	9.904	0.038	4.156	3.766	7.395
#2	6.383	289.0	35.91	40.61	9.878	0.048	4.026	3.780	7.277
#3	6.399	287.5	35.82	39.87	9.905	0.034	4.113	3.783	7.382
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.035	-0.107	2.772	0.427	1.308	10.45	-0.026	5.936	5.165
Stddev	0.070	0.107	0.004	0.013	0.03	0.02	0.053	0.012	0.017
%RSD	197.0	99.93	1.633	2.995	2.157	1.777	206.2	2.022	3.296
#1	0.044	-0.217	2.767	0.437	1.310	10.47	-0.087	5.950	5.171
#2	-0.067	-0.098	2.775	0.431	1.305	10.43	0.007	5.928	5.146
#3	-0.084	-0.004	2.774	0.413	1.309	10.44	0.003	5.931	5.178
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2463.3	4993.9	4183.2	3636.5					
Stddev	1.2	3.0	80	38.2					
%RSD	0.4680	0.6031	1.9152	1.0517					
#1	2462.2	4997.4	4186.7	3639.1					
#2	2463.2	4992.8	4188.9	3597.0					
#3	2464.5	4991.7	4174.0	3673.4					

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Sample Name: FA32237-7 Acquired: 4/22/2016 15:17:13 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	193.4	0.612	1.001	0.046	23.04	-0.006	0.787	4.815
Stddev	0.0012	1.0	0.068	0.006	0.003	0.08	0.002	0.001	0.035
%RSD	322.5	5.255	11.19	5.937	6.416	3.642	26.57	1.847	7.286
#1	0.009	192.2	0.533	0.963	0.045	22.94	-0.005	0.786	4.795
#2	-0.007	193.8	0.647	0.985	0.045	23.09	-0.005	0.787	4.795
#3	-0.013	194.1	0.656	1.008	0.050	23.09	-0.008	0.789	4.856
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	3.589	199.2	25.15	26.51	2.146	0.014	2.320	1.898	1.283
Stddev	0.015	5	32	31	0.012	0.003	0.028	0.002	0.008
%RSD	4.248	2.318	1.278	1.167	5.419	22.70	1.183	0.980	6.354
#1	3.605	198.7	24.85	26.74	2.144	0.010	2.327	1.899	1.274
#2	3.587	199.6	25.12	26.64	2.136	0.016	2.344	1.896	1.285
#3	3.575	199.2	25.49	26.16	2.159	0.015	2.290	1.898	1.290
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.007	-0.109	2.960	0.443	2.950	7.059	-0.062	4.214	3.996
Stddev	0.037	0.095	0.003	0.008	0.017	0.011	0.006	0.009	0.012
%RSD	534.9	87.17	1.015	1.896	5.600	15.13	10.35	2.211	3.023
#1	-0.043	-0.030	2.960	0.438	2.932	7.053	-0.064	4.220	3.982
#2	0.031	-0.083	2.957	0.438	2.964	7.053	-0.068	4.204	4.003
#3	-0.009	-0.214	2.963	0.453	2.955	7.072	-0.055	4.219	4.003
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2531.0	5041.3	4251.0	3644.9					
Stddev	9.8	14.5	127	19.1					
%RSD	3.8656	2.8702	2.9760	5.2494					
#1	2539.1	5051.1	4251.6	3661.1					
#2	2533.8	5048.2	4263.3	3623.8					
#3	2520.1	5024.7	4238.0	3649.9					

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7.2
7

Sample Name: FA32237-10 Acquired: 4/22/2016 15:21:34 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.000	485.5	0.806	3.867	0.143	101.5	0.008	1.152	6.937
Stddev	0.015	1.0	0.024	0.008	0.002	.1	0.004	0.002	0.016
%RSD	709.2	2.154	2.977	1.980	1.451	13.28	53.71	1.941	2.332
#1	-0.017	484.3	0.791	3.859	0.143	101.3	0.012	1.153	6.949
#2	0.006	486.3	0.793	3.869	0.146	101.5	0.009	1.150	6.943
#3	0.011	485.9	0.834	3.874	0.142	101.6	0.003	1.154	6.918
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	4.109	349.2	39.67	53.82	9.680	0.061	4.421	4.763	8.627
Stddev	0.014	4	20	26	0.017	0.005	0.024	0.016	0.044
%RSD	3.511	1.238	4.941	4.790	1.722	7.817	5.432	3.418	5.088
#1	4.124	348.7	39.56	53.69	9.699	0.065	4.396	4.781	8.577
#2	4.108	349.6	39.54	54.12	9.666	0.063	4.424	4.751	8.644
#3	4.096	349.2	39.89	53.66	9.676	0.056	4.444	4.756	8.660
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.076	-0.167	2.839	0.414	1.360	11.70	0.011	6.856	7.784
Stddev	0.058	0.080	0.010	0.010	0.005	0.02	0.010	0.014	0.038
%RSD	75.68	48.31	3.618	2.362	3.466	1.379	98.64	1.971	4.855
#1	-0.011	-0.216	2.851	0.403	1.356	11.72	0.018	6.847	7.791
#2	-0.122	-0.210	2.837	0.420	1.365	11.70	-0.012	6.872	7.743
#3	-0.095	-0.074	2.831	0.419	1.360	11.69	0.018	6.850	7.817
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2439.3	5049.1	4221.3	3647.4					
Stddev	5.4	15.6	106	8.3					
%RSD	2.2174	3.0970	2.5135	2.2822					
#1	2441.1	5038.1	4232.4	3656.9					
#2	2433.2	5042.2	4220.4	3643.5					
#3	2443.5	5067.0	4211.2	3641.7					

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Sample Name: FA32237-13 Acquired: 4/22/2016 15:25:54 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	200.0	0.663	7.435	0.044	35.56	-0.005	0.415	4.563
Stddev	0.005	.8	0.026	0.044	0.005	.18	0.000	0.006	0.018
%RSD	93.45	3.818	3.919	5.922	12.34	5.200	4.809	1.333	3.980
#1	0.000	200.7	0.692	7.485	0.038	35.71	-0.005	0.418	4.560
#2	-0.011	199.2	0.641	7.413	0.045	35.36	-0.006	0.418	4.583
#3	-0.007	200.1	0.656	7.405	0.048	35.63	-0.006	0.409	4.547
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203

Sample Name: CCV Acquired: 4/22/2016 15:43:19 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2275.9	4768.1	4004.2	3511.3
Stddev	6.5	4.7	189.	6.7
%RSD	.28498	.09766	.47143	.19077
#1	2279.2	4768.8	40123.	3507.9
#2	2280.0	4772.3	39826.	3507.0
#3	2268.4	4763.1	40176.	3519.0

Sample Name: CCB Acquired: 4/22/2016 15:47:30 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0002	.0076	-.0001	.0004	.0003	.0069	.0001	.0002	.0002
Stddev	.0003	.0052	.0007	.0006	.0000	.0031	.0001	.0001	.0000
%RSD	165.1	69.25	509.3	161.1	15.66	45.18	148.1	56.08	12.66
#1	-.0001	.0136	-.0003	.0004	.0003	.0042	.0002	.0002	.0003
#2	-.0005	.0037	.0006	.0010	.0002	.0104	.0001	.0002	.0002
#3	.0001	.0054	-.0007	-.0003	.0003	.0062	-.0001	.0001	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0000	.0111	.0257	.0097	.0003	.0004	.0421	.0003	-.0004
Stddev	.000	.0036	.0493	.0259	.0000	.0003	.0078	.0001	.0011
%RSD	242.6	32.21	191.6	266.7	18.29	79.19	18.61	43.04	263.5
#1	-.0001	.0142	.0682	.0390	.0003	.0006	.0335	.0004	-.0015
#2	-.0001	.0119	-.0284	.0006	.0003	.0005	.0489	.0002	-.0004
#3	.0001	.0072	.0374	-.0104	.0002	.0000	.0440	.0002	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0000	-.0005	.0009	.0002	.0003	.0006	.0000	.0004	.0001
Stddev	.000	.0021	.0002	.0003	.0001	.0000	.0014	.0001	.0001
%RSD	2496.	466.4	20.49	152.2	28.46	4.436	3584.	35.38	62.80
#1	.0001	-.0028	.0007	.0005	.0004	.0006	.0014	.0005	.0001
#2	.0002	.0013	.0011	.0000	.0003	.0006	-.0014	.0002	.0000
#3	-.0003	-.0001	.0010	.0001	.0002	.0006	.0001	.0004	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.2
7

Sample Name: CCB Acquired: 4/22/2016 15:47:30 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2672.5	4998.1	42297.	3620.2
Stddev	2.2	2.1	157.	11.7
%RSD	.08223	.04286	.37144	.32388
#1	2673.1	4995.9	42294.	3627.6
#2	2674.3	5000.1	42456.	3626.3
#3	2670.0	4998.2	42142.	3606.7

Sample Name: FA32237-25 Acquired: 4/22/2016 15:52:03 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-.0006	192.9	.0204	1.311	.0033	31.70	-.0014	.0356	.3010
Stddev	.0005	.0	.0049	.004	.0002	.15	.0001	.0009	.0016
%RSD	76.47	.0251	23.81	3.160	4.885	4.732	9.624	2.495	5.377
#1	-.0012	192.9	.0165	1.308	.0033	31.64	-.0014	.0365	.3001
#2	-.0003	192.9	.0258	1.310	.0031	31.87	-.0015	.0354	.3002
#3	-.0004	192.8	.0189	1.316	.0034	31.60	-.0012	.0348	.3029

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.0662	170.1	17.67	16.85	3.257	.0056	2.423	.1595	.2169
Stddev	.0004	.6	.11	.12	.006	.0003	.038	.0011	.0004
%RSD	.6696	.3461	.6392	.7228	.1978	5.459	1.554	.7067	.1653
#1	.0667	169.7	17.59	16.96	3.263	.0059	2.447	.1602	.2169
#2	.0658	170.8	17.80	16.72	3.258	.0053	2.380	.1582	.2173
#3	.0662	169.8	17.62	16.88	3.250	.0055	2.443	.1601	.2166

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.0001	-.0090	4.201	.0481	.4898	6.785	-.0014	.4289	.1879
Stddev	.0039	.0099	.028	.0016	.0032	.008	.0054	.0019	.0008
%RSD	4429.	110.1	.6743	3.302	.6544	.1231	392.5	.4477	.4370
#1	-.0014	.0024	4.232	.0498	.4863	6.793	-.0019	.4290	.1884
#2	.0045	-.0152	4.177	.0467	.4904	6.786	-.0065	.4269	.1870
#3	-.0028	-.0141	4.194	.0477	.4926	6.776	.0042	.4307	.1883

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2516.7	4987.5	41566.	3565.9
Stddev	12.0	24.3	113.	14.7
%RSD	.47835	.48650	.27223	.41291
#1	2503.0	4959.5	41566.	3577.9
#2	2521.7	5000.4	41452.	3549.5
#3	2525.5	5002.6	41679.	3570.5

Sample Name: FA32237-28 Acquired: 4/22/2016 15:56:28 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0006	399.3	.0722	4.465	.0132	125.2	.0020	.1019	.6684
Stddev	.0012	1.7	.0051	.025	.0001	.7	.0002	.0003	.0016
%RSD	191.3	.4332	7.113	.5696	.4244	.5969	11.73	.2482	.2408
#1	.0008	398.7	.0749	4.472	.0131	124.7	.0022	.1016	.6687
#2	.0016	398.0	.0755	4.437	.0132	124.8	.0021	.1020	.6667
#3	-.0006	401.3	.0663	4.487	.0133	126.0	.0017	.1020	.6698
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2207	315.7	35.81	49.66	15.60	.0053	5.038	4.288	1.829
Stddev	.0019	1.6	.09	.31	.10	.0001	.026	.0009	.001
%RSD	.8752	.4990	.2525	.6151	.6109	2.833	.5118	.2150	.0527
#1	.2218	314.5	35.71	49.46	15.71	.0053	5.041	4.289	1.830
#2	.2184	315.0	35.84	49.51	15.55	.0051	5.011	4.278	1.829
#3	.2218	317.4	35.88	50.01	15.54	.0054	5.062	4.296	1.828
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0048	-.0139	4.159	.0391	1.669	11.74	.0033	.5963	.4825
Stddev	.0055	.0063	.008	.0013	.006	.02	.0037	.0028	.0019
%RSD	114.3	45.36	.1874	3.410	.3367	.1974	114.1	.4715	.3932
#1	-.0022	-.0067	4.154	.0396	1.667	11.76	.0049	.5970	.4822
#2	-.0111	-.0182	4.156	.0376	1.664	11.71	-.0010	.5987	.4808
#3	-.0011	-.0168	4.168	.0401	1.675	11.74	.0059	.5932	.4846
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2442.7	5069.0	42226.	3620.5					
Stddev	1.8	2.7	118.	19.7					
%RSD	.07197	.05244	.27848	.54303					
#1	2440.7	5069.1	42223.	3629.4					
#2	2443.3	5071.6	42345.	3634.2					
#3	2444.0	5066.3	42110.	3598.0					

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Sample Name: FA32238-1 Acquired: 4/22/2016 16:00:58 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0003	241.7	.0247	2.974	.0047	57.73	-.0006	.0613	.3297
Stddev	.0008	.5	.0055	.009	.0001	.06	.0001	.0010	.0017
%RSD	260.1	.2082	22.12	.2911	2.779	.1098	23.79	1.651	.5102
#1	.0001	241.2	.0284	2.967	.0047	57.72	-.0005	.0610	.3309
#2	.0002	241.7	.0272	2.970	.0048	57.80	-.0005	.0605	.3278
#3	-.0012	242.2	.0184	2.984	.0046	57.68	-.0007	.0625	.3305
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6810	197.7	13.46	21.01	5.637	.0059	2.645	.2214	2.502
Stddev	.0041	.4	.05	.12	.017	.0010	.009	.0015	.009
%RSD	.6022	.2198	.3349	.5817	.3087	16.30	.3481	.6822	.3522
#1	.6770	197.2	13.46	20.97	5.650	.0051	2.649	.2209	2.504
#2	.6809	197.9	13.50	21.14	5.617	.0057	2.652	.2231	2.510
#3	.6852	198.0	13.41	20.91	5.644	.0070	2.635	.2202	2.493
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0010	-.0036	4.285	.0452	.8387	6.947	-.0074	.4868	.3399
Stddev	.0061	.0011	.004	.0022	.0020	.014	.0083	.0020	.0006
%RSD	599.5	30.96	.0810	4.932	.2368	.1974	112.6	.4053	.1648
#1	-.0059	-.0042	4.283	.0472	.8370	6.948	-.0071	.4845	.3393
#2	.0034	-.0023	4.283	.0456	.8382	6.933	.0008	.4883	.3402
#3	.0056	-.0042	4.289	.0428	.8408	6.961	-.0158	.4875	.3403
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2517.2	5048.3	42153.	3634.7					
Stddev	1.7	2.0	77.	4.1					
%RSD	.06713	.04051	.18371	.11188					
#1	2515.3	5046.1	42237.	3638.9					
#2	2518.1	5050.1	42084.	3630.7					
#3	2518.3	5048.8	42138.	3634.5					

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7.2
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Sample Name: FA32238-4 Acquired: 4/22/2016 16:05:20 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	173.3	.0240	1.389	.0025	42.09	-.0006	.0310	.2630
Stddev	.0008	.4	.0023	.004	.0002	.25	.0002	.0005	.0008
%RSD	394.9	.2509	9.740	.2615	7.644	.5926	30.97	1.598	.3068
#1	.0011	173.1	.0221	1.390	.0024	41.91	-.0004	.0310	.2626
#2	-.0006	172.9	.0233	1.385	.0024	41.99	-.0008	.0305	.2639
#3	.0001	173.8	.0266	1.392	.0028	42.38	-.0006	.0315	.2625
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7314	179.3	16.93	15.29	3.604	.0052	1.999	1.378	7.278
Stddev	.0024	.5	.20	.12	.002	.0005	.034	.0004	.022
%RSD	.3239	.2567	1.160	.7551	.0677	9.736	1.676	.2693	.2996
#1	.7317	179.0	16.71	15.19	3.602	.0054	1.992	1.373	7.252
#2	.7289	179.1	17.07	15.27	3.603	.0046	2.035	1.379	7.289
#3	.7336	179.8	17.02	15.42	3.607	.0056	1.969	1.381	7.292
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0054	-.0119	3.750	.0481	.7377	5.793	-.0039	.4545	.3096
Stddev	.0064	.0074	.007	.0018	.0038	.013	.0032	.0014	.0005
%RSD	118.6	61.78	.1831	3.747	.5183	.2209	81.95	.3074	.1578
#1	.0103	-.0035	3.750	.0461	.7351	5.791	-.0075	.4559	.3093
#2	.0077	-.0155	3.743	.0486	.7360	5.782	-.0026	.4531	.3102
#3	-.0018	-.0168	3.757	.0495	.7421	5.807	-.0015	.4546	.3094
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2537.4	5017.3	41983.	3551.3					
Stddev	2.1	9.9	59.	16.1					
%RSD	.08084	.19771	.14120	.45323					
#1	2539.3	5013.6	42047.	3562.7					
#2	2537.5	5028.6	41972.	3558.4					
#3	2535.2	5009.9	41930.	3532.9					

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Sample Name: FA32238-7 Acquired: 4/22/2016 16:09:44 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0003	523.9	.1014	2.550	.0139	86.81	-.0012	.1021	.7050
Stddev	.0029	.7	.0053	.005	.0003	.37	.0004	.0003	.0036
%RSD	1120.	.1342	5.201	.2136	2.157	4.313	35.99	.2958	.5169
#1	.0010	524.5	.0953	2.549	.0141	87.22	-.0015	.1021	.7025
#2	.0019	523.9	.1040	2.545	.0141	86.73	-.0014	.1024	.7034
#3	-.0036	523.1	.1049	2.556	.0136	86.48	-.0007	.1018	.7092
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2995	366.5	33.43	60.33	7.243	.0079	6.272	.4979	2.458
Stddev	.0004	.3	.08	.42	.017	.0008	.027	.0017	.012
%RSD	.1434	.0761	.2266	.6894	.2366	10.31	4.279	.3327	.4955
#1	.2993	366.7	33.51	60.78	7.226	.0088	6.302	.4994	2.470
#2	.2992								

Sample Name: FA32238-10 Acquired: 4/22/2016 16:14:05 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	392.9	0.810	2.511	0.112	94.22	0.009	0.0890	0.582
Stddev	0.0022	2.0	0.049	0.09	0.004	0.88	0.004	0.002	0.0034
%RSD	512.9	0.5194	6.069	3.662	3.633	9.383	40.13	2.438	5.701
#1	0.017	392.1	0.768	2.501	0.108	93.44	0.009	0.0888	0.5996
#2	-0.004	395.2	0.864	2.520	0.116	95.18	0.006	0.0899	0.5943
#3	-0.027	391.4	0.798	2.512	0.111	94.03	0.013	0.0892	0.6007
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.2319	303.2	31.22	50.13	7.637	0.043	4.012	4.099	0.5663
Stddev	0.004	1.9	0.19	0.25	0.033	0.008	0.119	0.015	0.0021
%RSD	0.1575	0.6235	0.6206	0.5036	0.4267	19.46	2.969	0.3656	0.3744
#1	0.2315	302.4	31.28	50.19	7.642	0.036	3.923	4.115	0.5585
#2	0.2322	305.4	31.38	50.35	7.602	0.052	4.147	4.096	0.5544
#3	0.2320	301.9	31.01	49.85	7.667	0.041	3.964	4.085	0.5560
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.0053	-0.0023	3.965	0.457	1.272	10.52	-0.0053	0.5918	0.5092
Stddev	0.0032	0.0131	0.007	0.002	0.05	0.04	0.071	0.0049	0.0010
%RSD	59.83	559.8	0.1876	0.4611	4.230	3.662	134.8	8.312	1.958
#1	-0.0084	-0.0088	3.974	0.455	1.274	10.51	0.010	0.5870	0.5103
#2	-0.0055	-0.0110	3.959	0.458	1.277	10.49	-0.130	0.5916	0.5090
#3	-0.0020	0.0128	3.963	0.459	1.267	10.56	-0.038	0.5968	0.5084
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2449.1	5049.6	4160.3	3595.5					
Stddev	7	10.8	227	32.8					
%RSD	0.2785	0.21312	0.54997	0.91286					
#1	2448.8	5039.9	4159.7	3624.1					
#2	2448.6	5047.8	4183.4	3559.6					
#3	2449.9	5061.2	4137.9	3602.7					

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Sample Name: CRIA Acquired: 4/22/2016 16:18:26 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0094	2381	0.100	2.153	0.050	1.118	0.054	0.0554	0.109
Stddev	0.0005	0.070	0.010	0.007	0.001	0.012	0.001	0.002	0.002
%RSD	5.075	2.944	10.06	3.023	1.533	1.026	1.169	0.3585	1.954
#1	0.0096	2449	0.095	2.156	0.050	1.131	0.054	0.0553	0.112
#2	0.0089	2309	0.093	2.158	0.051	1.110	0.053	0.0552	0.108
#3	0.0098	2385	0.111	2.146	0.049	1.112	0.054	0.0556	0.108
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0280	3404	10.90	5.510	0.172	0.509	10.59	0.439	0.048
Stddev	0.0005	0.026	0.03	0.108	0.001	0.001	0.03	0.001	0.0005
%RSD	1.726	0.7724	0.2923	1.967	0.6767	0.1698	0.2827	0.2115	10.21
#1	0.0281	3390	10.93	5.580	0.172	0.508	10.63	0.439	0.052
#2	0.0275	3434	10.89	5.385	0.172	0.510	10.57	0.440	0.043
#3	0.0284	3387	10.87	5.565	0.170	0.509	10.59	0.438	0.050
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.0046	0.0096	0.469	0.0562	0.106	0.110	0.108	0.0507	0.0244
Stddev	0.0009	0.0010	0.005	0.001	0.001	0.001	0.001	0.0007	0.0004
%RSD	18.36	10.82	1.072	1.155	0.5411	0.5970	6.081	0.8340	0.1454
#1	0.0039	0.0104	0.473	0.0563	0.106	0.111	0.101	0.0510	0.0244
#2	0.0044	0.0098	0.471	0.0562	0.106	0.110	0.114	0.0508	0.0244
#3	0.0056	0.0084	0.463	0.0561	0.107	0.110	0.108	0.0502	0.0243
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2559.9	4936.4	4147.0	3593.0					
Stddev	2.2	3.6	244	7.0					
%RSD	0.08481	0.07211	0.58748	0.19569					
#1	2562.4	4939.9	4146.4	3585.4					
#2	2558.3	4932.8	4123.0	3594.3					
#3	2559.0	4936.4	4171.7	3599.3					

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7.2
7

Sample Name: ICSA Acquired: 4/22/2016 16:22:53 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0003	F 531.2	0.0001	-0.0004	-0.0003	F 523.5	-0.0007	-0.0001	-0.0004
Stddev	0.0003	2.7	0.0025	0.0004	0.0001	2.4	0.002	0.001	0.002
%RSD	94.63	5041	2571	108.8	34.41	4547	31.69	154.0	58.54
#1	-0.000	530.0	0.0003	-0.0004	-0.0004	526.3	-0.0005	-0.0001	-0.0003
#2	-0.0006	534.3	-0.0025	-0.0001	-0.0002	522.3	-0.0010	0.0000	-0.0006
#3	-0.0003	529.3	0.0025	-0.0007	-0.0003	522.1	-0.0008	-0.0002	-0.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0003	194.2	-0.0086	F 558.1	-0.0006	-0.0001	2639	0.0005	-0.0021
Stddev	0.0002	7	0.0157	1.9	0.000	0.004	0.093	0.002	0.022
%RSD	51.08	3.763	182.4	0.3372	2.733	687.8	3.519	43.98	104.5
#1	0.004	193.9	0.0075	558.0	-0.0006	-0.0002	2534	0.004	-0.0006
#2	0.004	195.0	-0.0238	560.0	-0.0006	-0.0004	2674	0.003	-0.0046
#3	0.001	193.6	-0.0094	556.3	-0.0006	-0.0003	2710	0.007	-0.0011
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.0007	0.0008	0.0611	0.0019	-0.0002	0.0003	-0.0003	0.0012	-0.0020
Stddev	0.0004	0.0003	0.0005	0.0005	0.0000	0.0001	0.0008	0.0002	0.0001
%RSD	64.67	37.25	0.8438	26.37	17.18	22.92	273.3	17.16	4.570
#1	-0.0007	0.0009	0.0607	0.0021	-0.0002	0.0003	-0.0010	0.0010	-0.0020
#2	-0.0002	0.0005	0.0609	0.0014	-0.0001	0.0004	0.0006	0.0014	-0.0019
#3	-0.0011	0.0011	0.0617	0.0023	-0.0002	0.0003	-0.0006	0.0013	-0.0021
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1984.0	4364.2	3551.9	3260.9					
Stddev	3.2	8.2	43	13.4					
%RSD	0.16052	0.18787	0.12109	0.41111					
#1	1980.8	4364.4	3547.1	3262.7					
#2	1987.2	4372.3	3553.5	3246.7					
#3	1984.0	4355.9	3555.2	3273.3					

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Sample Name: ICSAB Acquired: 4/22/2016 16:27:33 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F 1.079	F 531.9	1.081	0.5517	0.5304	F 522.4	0.924	0.4873	0.5313
Stddev	0.003	2.0	0.02	0.007	0.018	0.2	0.022	0.006	0.0028
%RSD	3022	3802	1.629	1.229	3.479	0.427	2.288	1.184	0.5361
#1	1.083	529.6	1.083	0.5519	0.5284	522.3	0.9741	0.4876	0.5324
#2	1.077	533.2	1.079	0.5510	0.5308	522.3	0.9733	0.4877	0.5334
#3	1.078	533.0	1.082	0.5523	0.5320	522.7	0.9699	0.4877	0.5280
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203

Sample Name: CCV Acquired: 4/22/2016 16:32:02 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2571	42.56	1.974	2.102	2.062	43.24	2.027	2.047	2.095
Stddev	.0009	.05	.011	.001	.008	.04	.011	.012	.011
%RSD	.3500	.1194	.5432	.0342	.3937	.1024	.5389	.5785	.5324
#1	.2569	42.59	1.962	2.101	2.063	43.19	2.016	2.034	2.089
#2	.2563	42.50	1.976	2.101	2.053	43.28	2.027	2.048	2.089
#3	.2580	42.59	1.983	2.102	2.069	43.26	2.038	2.058	2.108

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.057	40.86	42.99	42.96	2.101	2.021	41.08	2.010	2.021
Stddev	.003	.07	.05	.07	.014	.013	.12	.012	.010
%RSD	.1453	.1720	.1106	.1560	.6578	.6306	.2981	.5892	.4788
#1	2.060	40.93	42.94	42.99	2.095	2.008	41.11	2.000	2.010
#2	2.054	40.79	43.03	42.89	2.092	2.022	40.95	2.007	2.026
#3	2.058	40.88	43.00	43.02	2.117	2.033	41.19	2.023	2.027

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.977	1.999	1.428	2.082	2.127	2.044	2.023	2.018	2.099
Stddev	.014	.013	.010	.013	.002	.012	.013	.014	.009
%RSD	.6981	.6402	.7272	.6349	.0945	.5979	.6220	.6745	.4325
#1	1.963	1.986	1.418	2.069	2.125	2.039	2.009	2.008	2.090
#2	1.977	2.000	1.428	2.083	2.128	2.036	2.027	2.013	2.099
#3	1.991	2.012	1.439	2.095	2.128	2.058	2.033	2.034	2.108

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/22/2016 16:32:02 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2271.2	4762.3	39630.	3416.9
Stddev	8.5	24.0	253.	15.1
%RSD	.37474	.50441	.63745	.44049
#1	2280.8	4784.6	39816.	3434.3
#2	2264.7	4765.4	39732.	3407.5
#3	2268.1	4736.8	39342.	3409.0

Sample Name: CCB Acquired: 4/22/2016 16:36:12 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	F .0283	.0004	.0006	.0003	.0319	.0001	.0001	.0002
Stddev	.0002	.0093	.0004	.0002	.0001	.0093	.0001	.0000	.0001
%RSD	293.9	32.84	82.52	36.23	56.62	28.99	78.45	40.10	72.78
#1	.0002	.0364	.0008	.0004	.0004	.0417	.0001	.0002	.0002
#2	.0002	.0305	.0001	.0006	.0002	.0309	.0001	.0001	.0003
#3	-.0002	.0181	.0005	.0008	.0002	.0233	.0000	.0001	.0001

Check ? Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit .0250
 Low Limit -.0250

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0209	.0344	.0149	.0002	.0005	.0439	-.0001	.0000
Stddev	.0000	.0045	.0139	.0171	.0000	.0004	.0038	.0003	.000
%RSD	42.13	21.57	40.39	114.7	17.98	95.85	8.734	462.6	1165.
#1	-.0001	.0254	.0397	.0250	.0002	.0009	.0475	.0002	.0001
#2	-.0001	.0209	.0449	.0246	.0002	.0005	.0399	-.0004	.0000
#3	-.0001	.0164	.0186	-.0048	.0001	.0000	.0443	.0000	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0007	-.0013	.0013	.0004	.0003	.0005	.0001	.0002	.0000
Stddev	.0004	.0021	.0003	.0003	.0001	.0001	.0010	.0001	.0001
%RSD	54.16	156.6	24.28	64.74	22.48	21.83	786.4	84.22	193.4
#1	-.0012	-.0025	.0016	.0007	.0004	.0006	.0012	.0002	.0001
#2	-.0004	-.0026	.0009	.0004	.0003	.0006	-.0001	.0003	.0000
#3	-.0006	.0011	.0012	.0001	.0003	.0004	-.0007	.0000	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/22/2016 16:36:12 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2667.8	5008.8	42041.	3522.1
Stddev	3.5	3.8	192.	5.0
%RSD	.13229	.07619	.45734	.14263
#1	2667.0	5012.9	42024.	3521.8
#2	2671.7	5007.9	42241.	3527.3
#3	2664.8	5005.4	41858.	3517.3

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000009	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000077	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000005	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000091	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000000	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000016	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000110	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000010	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000041	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000051	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000025	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	0.000017	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000035	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	-0.000013	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000007	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.000256	0.588543	0.000000	1.000000
Al 396.152 { 85}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.001869	0.226269	0.000000	1.000000
As 189.042 {478}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.000715	0.161922	0.000000	1.000000
Ba 455.403 { 74}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.003489	8.986027	0.000000	1.000000
Be 313.042 {108}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.003469	10.929063	0.000000	1.000000
Ca 317.933 {106}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.007353	0.239392	0.000000	1.000000
Cd 226.502 {449}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.000910	4.484779	0.000000	1.000000
Co 228.616 {447}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.000529	2.522234	0.000000	1.000000
Cr 267.716 {126}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.000150	0.504571	0.000000	1.000000
Cu 324.754 {104}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.006624	0.915863	0.000000	1.000000
Fe 259.940 {130}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.002024	0.156412	0.000000	1.000000
In 230.606 {446}*	4/22/2016 10:52:04	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.007412	0.097758	0.000000	1.000000
Mg 279.079 {121}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.000305	0.024586	0.000000	1.000000
Mn 257.610 {131}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.000911	2.658076	0.000000	1.000000
Mo 202.030 {467}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.001406	1.017100	0.000000	1.000000
Na 589.592 { 57}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.007860	0.415639	0.000000	1.000000
Ni 231.604 {445}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.000395	1.496612	0.000000	1.000000
Pb 220.353 {453}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.000559	0.786878	0.000000	1.000000
Sb 206.833 {463}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.000827	0.239869	0.000000	1.000000
Se 196.090 {472}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.000054	0.112880	0.000000	1.000000
Si 212.412 {459}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.004249	0.436671	0.000000	1.000000
Sn 189.989 {477}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.000383	0.354320	0.000000	1.000000
Sr 407.771 { 83}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.005564	16.302654	0.000000	1.000000
Ti 334.941 {101}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.001884	1.979176	0.000000	1.000000
Tl 190.856 {477}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.001536	0.257464	0.000000	1.000000
V 292.402 {115}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.000536	0.678387	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.000687	2.053794	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	1.000000	0.000002	0.000340	0.001133	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999828	0.006769	0.008209	0.027363	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999909	0.000176	0.000878	0.002926	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999933	0.008404	0.000262	0.000873	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999974	0.006358	0.000069	0.000229	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999883	0.005899	0.003617	0.012058	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999961	0.003189	0.000051	0.000168	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999970	0.001582	0.000100	0.000333	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999929	0.000485	0.000247	0.000822	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999988	0.000365	0.000203	0.000676	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999844	0.004451	0.002837	0.009457	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999821	0.002978	0.032864	0.109545	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999834	0.000722	0.023034	0.076781	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999713	0.005128	0.000041	0.000137	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999983	0.000476	0.000141	0.000470	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999842	0.011886	0.008088	0.026960	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999952	0.001186	0.000172	0.000575	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999872	0.001017	0.000615	0.002049	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999949	0.000195	0.000951	0.003169	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999955	0.000087	0.001801	0.006004	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.979974	0.007146	0.000374	0.001246	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999814	0.000550	0.000340	0.001135	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999990	0.005980	0.000092	0.000308	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999901	0.002245	0.000095	0.000318	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999974	0.000151	0.001085	0.003617	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999981	0.000330	0.000232	0.000773	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999965	0.001393	0.000081	0.000271	OK	1.000000	0.000000	1	0

Accutest Laboratories SE Metals Digestion Log Water

DOD + MS

Method of digestion(circle one) SW846-3010A SW846-3005A / EPA 200.7 / SM3030C

MP #: 30157

Volume

Prep Date/Time (mm/dd/yy 24:00): 3/23/16 8:18

Spk. Sol. ^A	Used(ml)	Pipette #
ACC 938	0.50	10
ACC 894	0.25	10
Met 5301	0.25	10

HotBlock I.D. 5

Thermometer I.D. 204

Correction Factor (°C) -1

Temperature Observed/Corrected (°C) 96.95

Dig. Tube Lot#: J220204-201

Added ^B: HNO₃
 Lot# 1115100

HCL
4115080

Sample #	Initial Volume(ml)	pH<2	Final Volume(ml)	Comments
Method Blank(MB)	50.0	N/A	50.0	
Spike Blank(SB)		N/A		
Matrix Spike(MS)		✓		
Matrix Spike Dup(MSD)		✓		
Duplicate(DUP)		✓		
1 QC ^C FA32398-1 ^D 1		✓		
2 FA32431-1 7		✓		
3 2 1		✓		
4 3 1		✓		
5 4 1		✓		
6 5 1		✓		
7 6 1		✓		
8 6F 8		✓		LAB filtered on 3/21/16
9 FA32237-31 1		✓		
10 FA32238-16 1		✓		
11 FA32409-1 11		✓		
12 2 11		✓		
13 1F 12		✓		LAB filtered on 3/21/16
14 2F 12		✓		
15 ① FA32427-1 NA		✓		QC Lot # PID85
16 2 1		✓		PID86
17 3 1		✓		PID87
18 4 1		✓		PID88
19 5 1		✓		PID89
20 6 1		✓		PID90
21 MB2A-3/21/16 NA		✓		USED 0.4mLs preservative 50mL VF, same ratio as kits dep DB 3/23/16
22 ^E				
23 ^E				
24 ^E	DB			3/23/16

Analyst: [Signature]
 QC Review: [Signature]

Date: 3/23/16
 Date: 3-23-16'

A Used for SB, MS, MSD
 B For reagent volumes used consult SOP MET 103, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional matrix QC

7.3.1
7

DOD(MSD)

Accutest Laboratories SE Metals Digestion Log Soil

5g.

MP #: 30269

Method of Digestion: SW846-3050B

Prep Date/Time (mm/dd/yy 24:00): 4/22/16 9:32 Spk. Sol. ^A Volume Used(ml) Pipette #
 HotBlock I.D. 6974CEC-W3279 ACC 938 1.00 ~~50~~ 10
 Thermometer I.D. 213 ACC 924 0.50 10
 Correction Factor (°C) -1 Met S377 0.50 10
 Temperature Observed/Corrected (°C) 93, 92 Filter Lot#: 150928009
 Balance I.D. ADVPRO3 Dig. Tube Lot# 1504103
 Added ^B: H₂O₂ HNO₃ HCL PTFE Boiling Chips
 Lot# 157487 1115100 4115100 R203-SK012

Sample #	Wt. g	Final Volume(ml)	Comments
Method Blank(MB)	5.00	100.0	
Spike Blank(SB)	5.00		
Matrix Spike(MS)	5.23		
Matrix Spike Dup(MSD)	5.13		
Duplicate(DUP)	5.30		
1 QC ^C FA32107-16 ^D	5.14		
2 D2 = FA32107-16	5.31		
3	19	5.10	
4	22	405.14	
5	23	5.20	
6 FA32237-1	5.36		
7	4	5.34	
8	7	5.09	
9	10	5.43	
10	13	5.10	
11	14	5.26	
12	19	5.06	
13	22	5.26	
14	25	5.31	
15	28	5.22	
16 FA32238-1	5.09		
17	4	5.35	
18	7	5.16	
19	10	5.06	
20			
21 ^E			
22 ^E			
23 ^E			
24 ^E	DB		

Analyst: DB

Date: 4/22/16

QC Review: [Signature]

Date: 4.22.16

A Used for SB, MS, MSD
 B For reagent volumes used consult SOP MET 104, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional Matrix QC

icpsolidigestionlog012010.xls

Rev 01/20/10 DM

* DB 4/22/16

7.3.2
7

SGS ACCUTEST IS PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.



*e-Hardcopy 2.0
Automated Report*

Technical Report for

Kemron Environmental Services, Inc

Ft Ord; CA

07202.2001

SGS Accutest Job Number: FA32238

Sampling Date: 03/09/16

Report to:

Kemron Environmental Services, Inc
4522 Joe Lloyd Way
Monterey, CA 93944
emiddleditch@gilbaneco.com

ATTN: Eric Middleditch

Total number of pages in report: 200



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Sue Bell 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001)
DoD ELAP (L-A-B L2229), CA (2937), TX (T104704404), PA (68-03573), VA (460177),
AK, AR, GA, KY, MA, NV, OK, UT, WA

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Test results relate only to samples analyzed.

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Sample Summary

Kemron Environmental Services, Inc

Job No: FA32238

Ft Ord; CA

Project No: 07202.2001

Sample Number	Collected		Matrix Code	Received	Type	Client Sample ID
	Date	Time By				
FA32238-1	03/09/16	08:20 KLTR	SO	03/11/16	Soil	07-04SC0000
FA32238-4	03/09/16	09:15 KLTR	SO	03/11/16	Soil	07-16SC0000
FA32238-7	03/09/16	10:55 KLTR	SO	03/11/16	Soil	10-10SC0000
FA32238-10	03/09/16	11:45 KLTR	SO	03/11/16	Soil	10-11SC0000
FA32238-13	03/09/16	13:45 KLTR	SO	03/11/16	Soil	10-01SC0000
FA32238-16	03/09/16	15:05 KLTR	AQ	03/11/16	Equipment Blank	10-ER13SC
FA32238-17	03/09/16	09:45 KLTR	SO	03/11/16	Soil	10-05SC0000
FA32238-20	03/09/16	10:35 KLTR	SO	03/11/16	Soil	10-27SC0000
FA32238-23	03/09/16	11:25 KLTR	SO	03/11/16	Soil	10-06SC0000
FA32238-26	03/09/16	13:15 KLTR	SO	03/11/16	Soil	10-17SC0000
FA32238-29	03/09/16	14:10 KLTR	SO	03/11/16	Soil	10-18SC0000

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE



Client: Kemron Environmental Services, Inc

Job No: FA32238

Site: Ft Ord; CA

Report Date: 4/26/2016 1:04:23 PM

11 Sample(s) were collected on 03/09/2016 and were received at SGS Accutest Southeast (SASE) on 03/11/2016 properly preserved, at 3.2 Deg. C and intact. These Samples received an SASE job number of FA32238. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix: AQ

Batch ID: MP30157

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA32398-1DUP, FA32398-1MS, FA32398-1MSD, FA32398-1PS, FA32398-1SDL were used as the QC samples for metals.

Matrix: SO

Batch ID: MP30269

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA32107-16DUP, FA32107-16MSD, FA32107-16SDL, FA32107-16PS were used as the QC samples for metals.

Matrix Spike/Matrix Spike Duplicate Recovery(s) for Lead are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MP30269-PS1 for Lead: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

Matrix: SO

Batch ID: MP30271

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA32238-13DUP, FA32238-13MS, FA32238-13MSD were used as the QC samples for metals.

Matrix Spike Duplicate Recovery(s) for Lead are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Date: April 26, 2016

Kim Benham, Client Services (signature on file)

Tuesday, April 26, 2016

Page 1 of 1

Summary of Hits

Job Number: FA32238
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 03/09/16



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA32238-1	07-04SC0000					
Lead		49.2	2.0	0.39	mg/kg	SW846 6010C
FA32238-4	07-16SC0000					
Lead		136	1.9	0.37	mg/kg	SW846 6010C
FA32238-7	10-10SC0000					
Lead		47.6	1.9	0.39	mg/kg	SW846 6010C
FA32238-10	10-11SC0000					
Lead		11.0	2.0	0.40	mg/kg	SW846 6010C
FA32238-13	10-01SC0000					
Lead		21.8	1.9	0.37	mg/kg	SW846 6010C
FA32238-16	10-ER13SC					
No hits reported in this sample.						
FA32238-17	10-05SC0000					
Lead		28.0	2.0	0.39	mg/kg	SW846 6010C
FA32238-20	10-27SC0000					
Lead		16.2	1.9	0.37	mg/kg	SW846 6010C
FA32238-23	10-06SC0000					
Lead		4.7	1.9	0.39	mg/kg	SW846 6010C
FA32238-26	10-17SC0000					
Lead		5.9	1.9	0.38	mg/kg	SW846 6010C
FA32238-29	10-18SC0000					
Lead		6.2	1.9	0.38	mg/kg	SW846 6010C

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: 07-04SC0000	Date Sampled: 03/09/16
Lab Sample ID: FA32238-1	Date Received: 03/11/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.1
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	49.2	2.0	0.39	0.098	mg/kg	5	04/22/16	04/22/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13106

(2) Prep QC Batch: MP30269

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 07-16SC0000	Date Sampled: 03/09/16
Lab Sample ID: FA32238-4	Date Received: 03/11/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.2
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	136	1.9	0.37	0.093	mg/kg	5	04/22/16	04/22/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13106

(2) Prep QC Batch: MP30269

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 10-10SC0000	Date Sampled: 03/09/16
Lab Sample ID: FA32238-7	Date Received: 03/11/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.3
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	47.6	1.9	0.39	0.097	mg/kg	5	04/22/16	04/22/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13106

(2) Prep QC Batch: MP30269

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 10-11SC0000	Date Sampled: 03/09/16
Lab Sample ID: FA32238-10	Date Received: 03/11/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.4
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	11.0	2.0	0.40	0.099	mg/kg	5	04/22/16	04/22/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13106

(2) Prep QC Batch: MP30269

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 10-01SC0000	Date Sampled: 03/09/16
Lab Sample ID: FA32238-13	Date Received: 03/11/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.5
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	21.8	1.9	0.37	0.093	mg/kg	5	04/25/16	04/25/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13111

(2) Prep QC Batch: MP30271

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 10-ER13SC	Date Sampled: 03/09/16
Lab Sample ID: FA32238-16	Date Received: 03/11/16
Matrix: AQ - Equipment Blank	Percent Solids: n/a
Project: Ft Ord; CA	

4.6
4

Total Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.0 U	5.0	2.0	1.1	ug/l	1	03/23/16	03/23/16 LM	SW846 6010C ¹	SW846 3010A ²

(1) Instrument QC Batch: MA13053

(2) Prep QC Batch: MP30157

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 10-05SC0000	Date Sampled: 03/09/16
Lab Sample ID: FA32238-17	Date Received: 03/11/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.7
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	28.0	2.0	0.39	0.098	mg/kg	5	04/25/16	04/25/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13111

(2) Prep QC Batch: MP30271

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 10-27SC0000	Date Sampled: 03/09/16
Lab Sample ID: FA32238-20	Date Received: 03/11/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.8
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	16.2	1.9	0.37	0.093	mg/kg	5	04/25/16	04/25/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13111

(2) Prep QC Batch: MP30271

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 10-06SC0000	Date Sampled: 03/09/16
Lab Sample ID: FA32238-23	Date Received: 03/11/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.9
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	4.7	1.9	0.39	0.097	mg/kg	5	04/25/16	04/25/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13111

(2) Prep QC Batch: MP30271

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 10-17SC0000	Date Sampled: 03/09/16
Lab Sample ID: FA32238-26	Date Received: 03/11/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.10
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	5.9	1.9	0.38	0.095	mg/kg	5	04/25/16	04/25/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13111

(2) Prep QC Batch: MP30271

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 10-18SC0000	Date Sampled: 03/09/16
Lab Sample ID: FA32238-29	Date Received: 03/11/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.11
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	6.2	1.9	0.38	0.096	mg/kg	5	04/25/16	04/25/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13111

(2) Prep QC Batch: MP30271

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Misc. Forms**Custody Documents and Other Forms**

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

KL-030916-01
COC # 1-2
FA32238



Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW6330B - Explosives SW6010C - Lead SW6330B - Explosives by ISM SW6010C - Lead by ISM	Code Matrix
			Code Container/Preservative
			SO SOIL
			WQ WATER QUALITY CONTROL MATRIX
			2 2" 1L amber, 4 degrees C
			13 1" 1.0-1.5 kilogram bag
			13 1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016

Sample ID	Matrix	Date	Time	Samp Init.	Location ID	Sample Type	Depth (ft bgs)		
							Top	Bottom	
1 07-04 SC0000	SD	03/09/16	0820	KL	07-04	N1	0.0	0.5	
2 07-04 SC0001			0835		07-04		1.0	1.5	HOLD
3 07-04 SC0002			0857		07-04		2.0	2.5	HOLD
4 07-16 SC0000			0915		07-16		0.0	0.5	
5 07-16 SC0001			0925		07-16		1.0	1.5	HOLD
6 07-16 SC0002			0940		07-16		2.0	2.5	HOLD
7 10-10 SC0000			1055		10-10		0.0	0.5	
8 10-10 SC0001			1110		10-10		1.0	1.5	HOLD
9 10-10 SC0002			1120		10-10		2.0	2.5	HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
Kalmond	3/10/16	1600	FEDEX	3/10/16	1600	3/10/16 FEDEX 8688 8917 3501
Juan Rula	3/10/16	1600				
Fx				3/11/16	1115	Received by Laboratory: (Signature, Date, Time) & condition 3.2, 3.2

ENV COC Record
July 06, 2015

5.1
5

FA32238: Chain of Custody
Page 1 of 7

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # 14-030916-02



FA32238

Project Name: Fort Ord	LDVHZLGH 5DQJH \$VYHVP	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001		Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code:		Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Analytical Test Method	SW8330B - Explosives	SW6010C - Lead	SW8330B - Explosives by ISM	SW6010C - Lead by ISM	Code	Matrix
						SO	SOIL
Equipment:						Code	Container/Preservative
						2	2" 1L amber, 4 degrees C
						1	1" 1.0-1.5 kilogram bag
						13	1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016												
Sample ID	Matrix	Date	Time	Samp Init.				Location ID	Sample Type	Depth (ft bgs)		
										Top	Bottom	
1	SO	03/09/16	1145	KL				10-11	N1	0.0	0.5	
2			1200					10-11		1.0	1.5	HOLD
3			1245					10-11		2.0	2.5	HOLD
4			1345					10-01		0.0	0.5	
5			1350					10-01		1.0	1.5	HOLD
6			1405					10-01		2.0	2.5	HOLD
7	WQ		1505			X	FIELD DC	EB	NA	NA		
8	SO	0945	0820	TR			10-05	N1		0.0	0.5	
9	SO	1000	0835	TR			10-05	N1		1.0	1.5	HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
Krellman	3/10/16	1600	FEDEX	3/10/16	1600	3/10/16 FEDEX 8088 2917 3501
Jeresa Riba	3/10/16	1600				
FX				3/11/16	1115	
Received by Laboratory: (Signature, Date, Time) & condition						

5.1
5

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # KL-030916-03



FA32238

Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW8330B - Explosives SW6010C - Lead SW8330B - Explosives by ISM SW6010C - Lead by ISM	Code Matrix	
			<table border="1"> <tr><td>SO</td><td>SOIL</td></tr> <tr><td>WQ</td><td>WATER QUALITY CONTROL MATRIX</td></tr> </table>	SO
SO	SOIL			
WQ	WATER QUALITY CONTROL MATRIX			
			Code Container/Preservative	
			2 2* 1L amber, 4 degrees C	
			4 1* 1.0-1.5 kilogram bag	
			13 1* 250ml poly, with HNO3	

Event ID: Basewide Range Assessment Spring 2016													
Sample ID	Matrix	Date	Time	Samp Init.					Location ID	Sample Type	Depth (ft bgs) Top - Bottom		
10-05SC0002	SO	03/09/16	1015	TR					10-05	N1	2.0	2.5	HOLD
10-27SC0000			1035						10-27		0.0	0.5	
10-27SC0001			1045						10-27		1.0	1.5	HOLD
10-27SC0002			1100						10-27		2.0	2.5	HOLD
10-06SC0000			1125						10-06		0.0	0.5	
10-06SC0001			1135						10-06		1.0	1.5	HOLD
10-06SC0002			1150						10-06		2.0	2.5	HOLD
10-17SC0000			1315						10-17		0.0	0.5	HOLD
10-17SC0001			1330						10-17		1.0	1.5	HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
Michael	3/10/16	1600	FEDEX	3/10/16	1600	3/10/16 FEDEX 8088 8917 3501
Teresa Raha FX	3/10/16	1600	<i>[Signature]</i>	3/11/16	1115	Received by Laboratory: (Signature, Date, Time) & condition

ENV COC Record July 06, 2015

5.1
5

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA32238 CLIENT: Gilbane PROJECT: Fort Ord
DATE/TIME RECEIVED: 3/11/16 1115 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 2
METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER DELIVERY OTHER:
AIRBILL NUMBERS: 8088 8917 3581

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM 5-GRAM
NUMBER OF 5035 FIELD KITS ?
NUMBER OF LAB FILTERED METALS ?

TEST STRIP LOT#s pH 0-3 204413A pH 10-12 219813A OTHER (specify)

SUMMARY OF COMMENTS:

TEMPERATURE INFORMATION

- IR THERM ID 1 CORR. FACTOR +0.2
- OBSERVED TEMPS: 3.0, 3.0
- CORRECTED TEMPS: 3.2, 3.2 (USED FOR LIMS)

SAMPLE INFORMATION

- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- % SOLIDS JAR NOT RECEIVED
- RESIDUAL CHLORINE PRESENT LOT#

{APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

TECHNICIAN SIGNATURE/DATE [Signature] 3/14/16 REVIEWER SIGNATURE/DATE [Signature] 3-14-16

NF 11/15

receipt confirmation 111015.xls

5.1 5

2076B1
11000
17696
fedex.com 1800.GoFedEx 1800.463.3339
05668036

FedEx Package Express *US Airbill* FedEx Tracking Number **8088 8917 3501**

1 From Please print and press hard.
Date 03/10/16 Sender's FedEx Account Number _____

Sender's Name Ken Leonard Phone 925) 250-8959
Company Gilbane
Address 1655 Grant St. 12th floor Dept./Floor/Suite/Room _____
City Concord State CA ZIP 94520

2 Your Internal Billing Reference J201200234
Find 24 characters and appear on invoice.

3 To
Recipient's Name SAMPLE MANAGEMENT Phone (407) 425-6700
Company ACCUTEST LABORATORIES
Address 4405 VINELAND RD STE C15 HOLD Weekday
We cannot deliver to PO boxes or P.O. ZIP codes. Dept./Floor/Suite/Room _____
Address _____ HOLD Saturday
Use this line for the HOLD location address or for continuation of your shipping address. REQUIRED: Package must be placed in a FedEx Express Ship Box.
City ORLANDO State FL ZIP 32811-5803

0120193369



02015 **Sender's Copy**

4 Express Package Service * To most locations. Packages up to 150 lbs. For packages over 100 lbs, see the rate FedEx Express Freight US Airbill.
NOTE: Receiver print has changed. Please select carefully.

Next Business Day
 FedEx First Overnight
FedEx First Business morning delivery to select locations. Friday shipments will be delivered on Monday unless SAT/ORDAT Delivery is selected.
 FedEx Priority Overnight
Next business morning. * Friday shipments will be delivered on Monday unless SAT/ORDAT Delivery is selected.
 FedEx Standard Overnight
Next business afternoon. * Saturday Delivery NOT available.

2 or 3 Business Days
 FedEx 2Day A.M.
Second business morning. * Saturday Delivery NOT available.
 FedEx 2Day
Second business afternoon. * Thursday shipments will be delivered on Monday unless SAT/ORDAT Delivery is selected.
 FedEx Express Saver
Third business day. * Saturday Delivery NOT available.

5 Packaging * Declared value limit \$500.
 FedEx Envelope* FedEx Pak* FedEx Box FedEx Tube Other

6 Special Handling and Delivery Signature Options
 SATURDAY Delivery
Not available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.
 No Signature Required
Package may be left without obtaining a signature for delivery.
 Direct Signature
Someone at recipient's address may sign for delivery. Fee applies.
 Indirect Signature
If not able to provide an recipient's address, someone at a neighboring address may sign for delivery. Fee. Residential deliveries only. Fee applies.
Does this shipment contain dangerous goods?
Give box usual box checked.
 No Yes (see attached Shipper's Declaration) Yes (Shipper's Declaration not attached) Dry Ice (Per IATA 6.2) Cargo Aircraft Only
Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Ship Box.

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below.
 Sender Acct. No. or Credit Card No. Recipient Third Party Credit Card Cash/Check
FedEx Acct. No. 1823-2015-3 Ship Date _____
Total Packages _____ Total Weight _____ Total Declared Value* _____
No. \$ _____

Your liability is limited to US\$100 unless you declare a higher value. See back for details. By using the Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms and conditions.
611

FA32238: Chain of Custody
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FA32238: Chain of Custody
Page 7 of 7

QC Evaluation: DOD QSM5 Limits

Job Number: FA32238
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 03/09/16

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MP30157 SW846 6010C							
MP30157-B1	7439-92-1	Lead	BSP	REC	103.4	%	86-113
MP30157-S1*	7439-92-1	Lead	MS	REC	103.8	%	86-113
MP30157-S2*	7439-92-1	Lead	MSD	REC	106.6	%	86-113
MP30157-S2*	7439-92-1	Lead	MSD	RPD	2.7	%	20
MP30157-D1*	7439-92-1	Lead	DUP	RPD	0	%	20
MP30269 SW846 6010C							
MP30269-B1	7439-92-1	Lead	BSP	REC	100	%	81-112
MP30269-S1*	7439-92-1	Lead	MS	REC	52.3 ^a	%	81-112
MP30269-S2*	7439-92-1	Lead	MSD	REC	164.2 ^b	%	81-112
MP30269-S2*	7439-92-1	Lead	MSD	RPD	9.3	%	20
MP30269-D1*	7439-92-1	Lead	DUP	RPD	5.4	%	20
MP30269-D2*	7439-92-1	Lead	DUP	RPD	.9	%	20
MP30271 SW846 6010C							
MP30271-B1	7439-92-1	Lead	BSP	REC	100	%	81-112
MP30271-S1	7439-92-1	Lead	MS	REC	111.8	%	81-112
MP30271-S2	7439-92-1	Lead	MSD	REC	135 ^b	%	81-112
MP30271-S2	7439-92-1	Lead	MSD	RPD	6.2	%	20
MP30271-D1	7439-92-1	Lead	DUP	RPD	.5	%	20
MP30271-D2	7439-92-1	Lead	DUP	RPD	.9	%	20

- (a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- (b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

* Sample used for QC is not from job FA32238

5.2
5

Metals Analysis

9

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32238
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032316M1.ICP Date Analyzed: 03/23/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13053
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:20	MA13053-STD1	1		STDA
08:24	MA13053-STD2	1		STDB
08:28	MA13053-STD3	1		STDC
08:33	MA13053-STD4	1		STDD
08:38	MA13053-HSTD1	1		
08:46	MA13053-ICV1	1		
08:58	MA13053-ICB1	1		
09:02	MA13053-CR1A1	1		
09:07	MA13053-ICSA1	1		
09:13	MA13053-ICSAB1	1		
09:20	MA13053-CCV1	1		
09:27	MA13053-CCB1	1		
09:31	ZZZZZZ	10		
09:36	ZZZZZZ	10		
09:40	ZZZZZZ	10		
09:45	ZZZZZZ	10		
09:49	ZZZZZZ	10		
09:54	ZZZZZZ	2		
09:58	ZZZZZZ	2		
10:07	ZZZZZZ	2		
10:11	ZZZZZZ	2		
10:15	MA13053-CCV2	1		
10:20	MA13053-CCB2	1		
10:24	ZZZZZZ	2		
10:28	ZZZZZZ	20		
10:33	ZZZZZZ	20		
10:37	ZZZZZZ	20		
10:42	ZZZZZZ	4		
10:47	MA13053-CCV3	1		
10:51	MA13053-CCB3	1		
11:13	MP30157-MB1	1		
11:17	MP30157-B1	1		
11:21	FA32398-1	1		(sample used for QC only; not part of login FA32238)

6.1
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32238
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032316M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 03/23/16
Run ID: MA13053
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:26	MP30157-D1	1		
11:30	MP30157-SD1	5		
11:34	MP30157-PS1	1		
11:39	MP30157-S1	1		
11:43	MP30157-S2	1		
11:47	ZZZZZZ	1		
11:52	ZZZZZZ	1		
11:56	MA13053-CCV4	1		
12:00	MA13053-CCB4	1		
12:05	ZZZZZZ	1		
12:09	ZZZZZZ	1		
12:14	ZZZZZZ	1		
12:18	ZZZZZZ	1		
12:23	ZZZZZZ	1		
12:27	ZZZZZZ	1		
12:32	FA32238-16	1		
12:36	ZZZZZZ	1		
12:40	ZZZZZZ	1		
12:45	ZZZZZZ	1		
12:49	MA13053-CCV5	1		
12:53	MA13053-CCB5	1		
12:58	ZZZZZZ	1		
13:02	ZZZZZZ	1		
13:07	ZZZZZZ	1		
13:11	ZZZZZZ	1		
13:16	ZZZZZZ	1		
13:20	ZZZZZZ	1		
13:25	ZZZZZZ	1		
13:33	MP30157-MB2A	1		
----->	Last reportable sample/prep for job FA32238			
13:37	MP30159-MB1	1		
13:42	MP30159-B1	1		
13:46	MA13053-CCV6	1		
13:50	MA13053-CCB6	1		

6.1
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32238
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032316M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 03/23/16
Run ID: MA13053
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:55	FA32410-1	1		(sample used for QC only; not part of login FA32238)
14:00	MP30159-D1	1		
14:04	MP30159-SD1	5		
14:08	MP30159-PS1	1		
14:13	MP30159-S1	1		
14:17	MP30159-S2	1		
14:26	ZZZZZZ	1		
14:35	ZZZZZZ	1		
14:40	MA13053-CCV7	1		
14:44	MA13053-CCB7	1		
14:53	ZZZZZZ	1		
15:35	MA13053-CCV8	1		
15:40	MA13053-CCB8	1		
15:53	MA13053-CRIA2	1		
15:58	MA13053-ICSA2	1		
16:02	MA13053-ICSAB2	1		
16:07	MA13053-CCV9	1		
16:11	MA13053-CCB9	1		
----->	Last reportable CCB for job FA32238 Refer to raw data for calibration curve and standards.			

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INTERNAL STANDARD SUMMARY

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032316M1.ICP Date Analyzed: 03/23/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13053
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:20	MA13053-STD1	5884	44230	4300	2998
08:24	MA13053-STD2	5798	43435	4320	2805
08:28	MA13053-STD3	5626	42404	4295	2575
08:33	MA13053-STD4	5403	40901	4213	2378
08:38	MA13053-HSTD1	5467	41091	4167	2392
08:46	MA13053-ICV1	5609	42447	4270	2566
08:58	MA13053-ICB1	6010 R	44605 R	4333 R	3009 R
09:02	MA13053-CR1A1	5911	43508	4292	2875
09:07	MA13053-ICSA1	5243	37823	3993	2317
09:13	MA13053-ICSAB1	5294	37154	3850	2301
09:20	MA13053-CCV1	5721	42130	4253	2591
09:27	MA13053-CCB1	6023	44457	4305	3016
09:31	ZZZZZZ	5858	43089	4277	2833
09:36	ZZZZZZ	4888	35053	4032	2142
09:40	ZZZZZZ	4924	35002	4013	2153
09:45	ZZZZZZ	4872	34605	3907	2135
09:49	ZZZZZZ	4934	35371	3956	2184
09:54	ZZZZZZ	6260	46769	4661	2819
09:58	ZZZZZZ	6405	47489	4670	2825
10:07	ZZZZZZ	6200	46384	4502	2860
10:11	ZZZZZZ	6276	47126	4585	2880
10:15	MA13053-CCV2	5640	42080	4143	2575
10:20	MA13053-CCB2	5889	44242	4183	2993
10:24	ZZZZZZ	6138	45962	4515	2812
10:28	ZZZZZZ	6576	49355	4754	2885
10:33	ZZZZZZ	6572	48886	4743	2936
10:37	ZZZZZZ	5501	40815	4142	2563
10:42	ZZZZZZ	6137	45889	4397	2866
10:47	MA13053-CCV3	5572	42190	4135	2558
10:51	MA13053-CCB3	5895	44408	4270	2977
11:13	MP30157-MB1	5887	44562	4194	2975
11:17	MP30157-B1	5622	41624	4020	2653
11:21	FA32398-1	5572	42083	4126	2667

INTERNAL STANDARD SUMMARY

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032316M1.ICP Date Analyzed: 03/23/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13053
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:26	MP30157-D1	5584	42037	4176	2677
11:30	MP30157-SD1	5815	43720	4245	2862
11:34	MP30157-PS1	5636	41152	4091	2666
11:39	MP30157-S1	5494	40927	4022	2533
11:43	MP30157-S2	5405	40458	4009	2494
11:47	ZZZZZZ	5848	44414	4227	2922
11:52	ZZZZZZ	5683	42303	4127	2757
11:56	MA13053-CCV4	5598	41752	4063	2561
12:00	MA13053-CCB4	5785	43396	4108	2930
12:05	ZZZZZZ	5770	42926	4348	2615
12:09	ZZZZZZ	5647	41831	4174	2711
12:14	ZZZZZZ	5859	43712	4195	2840
12:18	ZZZZZZ	5775	43656	4106	2851
12:23	ZZZZZZ	5802	44304	4191	2881
12:27	ZZZZZZ	5719	43580	4174	2811
12:32	FA32238-16	5641	42794	4085	2776
12:36	ZZZZZZ	5803	44244	4096	2940
12:40	ZZZZZZ	5780	44302	4173	2920
12:45	ZZZZZZ	5850	45210	4257	2962
12:49	MA13053-CCV5	5575	42398	4120	2567
12:53	MA13053-CCB5	5839	44082	4170	2979
12:58	ZZZZZZ	5841	44768	4165	2968
13:02	ZZZZZZ	5836	45211	4133	2984
13:07	ZZZZZZ	5835	45104	4239	2982
13:11	ZZZZZZ	5843	45429	4252	2980
13:16	ZZZZZZ	5887	45082	4197	2989
13:20	ZZZZZZ	5879	44999	4162	2995
13:25	ZZZZZZ	5831	45146	4199	2983
13:33	MP30157-MB2A	5934	45656	4202	3025
13:37	MP30159-MB1	5866	45481	4234	3028
13:42	MP30159-B1	5676	43708	4146	2733
13:46	MA13053-CCV6	5521	42649	4115	2578
13:50	MA13053-CCB6	5807	44655	4221	2988

INTERNAL STANDARD SUMMARY

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032316M1.ICP Date Analyzed: 03/23/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13053
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:55	FA32410-1	7680 !	58843 !	5704 !	2619
14:00	MP30159-D1	7502	57420 !	5544 !	2637
14:04	MP30159-SD1	6143	47126	4521	2774
14:08	MP30159-PS1	7610 !	58496 !	5767 !	2598
14:13	MP30159-S1	7656 !	58709 !	5721 !	2579
14:17	MP30159-S2	7554 !	58059 !	5624 !	2570
14:26	ZZZZZZ	7952 !	61223 !	5930 !	2596
14:35	ZZZZZZ	6164	47908	4355	2820
14:40	MA13053-CCV7	5407	42053	3960	2547
14:44	MA13053-CCB7	5729	44848	4117	2981
14:53	ZZZZZZ	5911	46050	4613	2246
15:35	MA13053-CCV8	5351	42310	3867	2560
15:40	MA13053-CCB8	5646	45046	3956	2986
15:53	MA13053-CRIA2	5504	43743	3876	2845
15:58	MA13053-ICSA2	4926	38374	3619	2297
16:02	MA13053-ICSAB2	4926	38519	3627	2269
16:07	MA13053-CCV9	5297	42779	3851	2545
16:11	MA13053-CCB9	5588	45072	3901	2963

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.1.1
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032316M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/23/16
 Run ID: MA13053

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	08:58 ICB1		09:27 CCB1		10:20 CCB2		10:51 CCB3	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14	anr							
Antimony		6.0	1	anr							
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2	anr							
Cadmium		5.0	.2	anr							
Calcium		1000	50	anr							
Chromium		10	1	anr							
Cobalt		50	.2	anr							
Copper		25	1	anr							
Iron		300	17	anr							
Lead		5.0	1	0.30	<5.0	0.40	<5.0	0.60	<5.0	0.50	<5.0
Magnesium		5000	35	anr							
Manganese		15	.5	anr							
Molybdenum		50	.3								
Nickel		40	.4	anr							
Potassium		10000	200	anr							
Selenium		10	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500	anr							
Strontium		10	.5								
Thallium		10	1.1	anr							
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5	anr							
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032316M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/23/16
 Run ID: MA13053

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	12:00 CCB4		12:53 CCB5		13:50 CCB6		14:44 CCB7	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14	anr							
Antimony		6.0	1	anr							
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2	anr							
Cadmium		5.0	.2	anr							
Calcium		1000	50	anr							
Chromium		10	1	anr							
Cobalt		50	.2	anr							
Copper		25	1	anr							
Iron		300	17	anr							
Lead		5.0	1	0.10	<5.0	0.10	<5.0	0.70	<5.0	0.60	<5.0
Magnesium		5000	35	anr							
Manganese		15	.5	anr							
Molybdenum		50	.3								
Nickel		40	.4	anr							
Potassium		10000	200	anr							
Selenium		10	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500	anr							
Strontium		10	.5								
Thallium		10	1.1	anr							
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5	anr							
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032316M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/23/16
 Run ID: MA13053

Methods: SW846 6010C
 Units: ug/l

Metal	RL	IDL	15:40 CCB8		16:11 CCB9	
			raw	final	raw	final
Aluminum	200	14	anr			
Antimony	6.0	1	anr			
Arsenic	10	1.3	anr			
Barium	200	1	anr			
Beryllium	4.0	.2	anr			
Cadmium	5.0	.2	anr			
Calcium	1000	50	anr			
Chromium	10	1	anr			
Cobalt	50	.2	anr			
Copper	25	1	anr			
Iron	300	17	anr			
Lead	5.0	1	0.10	<5.0	0.50	<5.0
Magnesium	5000	35	anr			
Manganese	15	.5	anr			
Molybdenum	50	.3				
Nickel	40	.4	anr			
Potassium	10000	200	anr			
Selenium	10	2.4	anr			
Silver	10	.7	anr			
Sodium	10000	500	anr			
Strontium	10	.5				
Thallium	10	1.1	anr			
Tin	50	.9				
Titanium	10	.5				
Vanadium	50	.5	anr			
Zinc	20	3	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32238
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032316M1.ICP Date Analyzed: 03/23/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13053 Units: ug/l

Metal	Time: Sample ID:	ICV True	08:46 ICV1		CCV True	09:20 CCV1		CCV True	10:15 CCV2	
			Results	% Rec		Results	% Rec		Results	% Rec
Aluminum		anr								
Antimony		anr								
Arsenic		anr								
Barium		anr								
Beryllium		anr								
Cadmium		anr								
Calcium		anr								
Chromium		anr								
Cobalt		anr								
Copper		anr								
Iron		anr								
Lead		2000	1990	99.5	2000	1990	99.5	2000	2010	100.5
Magnesium		anr								
Manganese		anr								
Molybdenum										
Nickel		anr								
Potassium		anr								
Selenium		anr								
Silver		anr								
Sodium		anr								
Strontium										
Thallium		anr								
Tin										
Titanium										
Vanadium		anr								
Zinc		anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32238
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032316M1.ICP Date Analyzed: 03/23/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13053 Units: ug/l

Metal	Sample ID	Time: CCV	10:47 CCV3		11:56 CCV4		12:49 CCV5			
			Results	% Rec	Results	% Rec	Results	% Rec		
Aluminum	anr									
Antimony	anr									
Arsenic	anr									
Barium	anr									
Beryllium	anr									
Cadmium	anr									
Calcium	anr									
Chromium	anr									
Cobalt	anr									
Copper	anr									
Iron	anr									
Lead	2000	2020	2020	101.0	2000	2020	101.0	2000	2030	101.5
Magnesium	anr									
Manganese	anr									
Molybdenum										
Nickel	anr									
Potassium	anr									
Selenium	anr									
Silver	anr									
Sodium	anr									
Strontium										
Thallium	anr									
Tin										
Titanium										
Vanadium	anr									
Zinc	anr									

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32238
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032316M1.ICP Date Analyzed: 03/23/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13053 Units: ug/l

Metal	Sample ID	Time: CCV True	13:46		14:40		15:35			
			CCV6 Results	% Rec	CCV True	CCV7 Results	% Rec	CCV True	CCV8 Results	% Rec
Aluminum		anr								
Antimony		anr								
Arsenic		anr								
Barium		anr								
Beryllium		anr								
Cadmium		anr								
Calcium		anr								
Chromium		anr								
Cobalt		anr								
Copper		anr								
Iron		anr								
Lead	2000		2010	100.5	2000	2020	101.0	2000	1980	99.0
Magnesium		anr								
Manganese		anr								
Molybdenum										
Nickel		anr								
Potassium		anr								
Selenium		anr								
Silver		anr								
Sodium		anr								
Strontium										
Thallium		anr								
Tin										
Titanium										
Vanadium		anr								
Zinc		anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32238
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032316M1.ICP Date Analyzed: 03/23/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13053 Units: ug/l

Time:	16:07		
Sample ID:	CCV9		
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	2000	1980	99.0
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032316M1.ICP Date Analyzed: 03/23/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13053 Units: ug/l

Time:	08:38		
Sample ID:	HSTD1		
Metal	HSTD True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	4000	4010	100.3
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032316M1.ICP Date Analyzed: 03/23/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13053 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	09:02 CRIA1 Results	% Rec	15:53 CRIA2 Results	% Rec
Metal						
Aluminum	400	200	anr			
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	5.7	114.0	5.3	106.0
Magnesium	10000	5000	anr			
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000	anr			
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	anr			
Zinc	40	20	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA32238
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032316M1.ICP Date Analyzed: 03/23/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13053 Units: ug/l

Time:	09:07	09:13	15:58	16:02						
Sample ID:	ICSA1	ICSAB1	ICSA2	ICSAB2						
Metal	ICSA True	ICSAB True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	500000	100.0	513000	102.6	521000	104.2	530000	106.0
Antimony		1000	0.0		1000	100.0	1.7		1060	106.0
Arsenic		1000	-1.4		1080	108.0	-0.40		1110	111.0
Barium		500	-0.50		511	102.2	-0.20		557	111.4
Beryllium		500	0.0		520	104.0	0.0		501	100.2
Cadmium		1000	-0.10		957	95.7	-0.30		1010	101.0
Calcium	500000	500000	491000	98.2	505000	101.0	481000	96.2	478000	95.6
Chromium		500	-0.50		528	105.6	-0.30		510	102.0
Cobalt		500	-0.30		470	94.0	-0.30		514	102.8
Copper		500	-0.10		548	109.6	1.0		564	112.8
Iron	200000	200000	188000	94.0	193000	96.5	191000	95.5	194000	97.0
Lead		1000	0.30		963	96.3	-8.2		934	93.4
Magnesium	500000	500000	524000	104.8	539000	107.8	498000	99.6	500000	100.0
Manganese		500	-0.10		525	105.0	-0.40		488	97.6
Molybdenum		1000	0.0		925	92.5	0.10		1020	102.0
Nickel		1000	0.0		954	95.4	-0.10		985	98.5
Potassium			51.2		136		91.3		160	
Selenium		1000	0.50		1000	100.0	1.1		1070	107.0
Silver		1000	-0.20		1070	107.0	-0.50		1080	108.0
Sodium			152		171		268		294	
Strontium		1000	0.0		1030	103.0	0.0		1000	100.0
Thallium		1000	1.1		960	96.0	0.0		931	93.1
Tin		1000	0.90		938	93.8	-0.30		933	93.3
Titanium		1000	-0.70		995	99.5	-0.40		919	91.9
Vanadium		500	-0.10		484	96.8	0.80		452	90.4
Zinc		1000	-4.0		971	97.1	-4.1		965	96.5

(*) Outside of QC limits
(anr) Analyte not requested

6.1.6
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32238
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13106
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:03	MA13106-STD1	1		STDA
10:08	MA13106-STD2	1		STDB
10:11	MA13106-STD3	1		STDC
10:15	MA13106-STD4	1		STDD
10:19	MA13106-HSTD1	1		
10:27	MA13106-ICV1	1		
10:34	MA13106-ICB1	1		
10:39	MA13106-CR1A1	1		
10:46	MA13106-ICSA1	1		
10:56	MA13106-ICSAB1	1		
11:04	MA13106-CCV1	1		
11:09	MA13106-CCB1	1		
11:17	MP30266-MB1	1		
11:22	MP30266-B1	1		
11:26	FA33273-1	1		(sample used for QC only; not part of login FA32238)
11:30	MP30266-D1	1		
11:35	MP30266-SD1	5		
11:39	MP30266-PS1	1		
11:44	MP30266-S1	1		
11:48	MP30266-S2	1		
11:52	ZZZZZZ	5		
11:57	ZZZZZZ	5		
12:01	MA13106-CCV2	1		
12:05	MA13106-CCB2	1		
12:10	ZZZZZZ	5		
12:14	ZZZZZZ	5		
12:19	ZZZZZZ	5		
12:24	ZZZZZZ	5		
12:33	ZZZZZZ	5		
12:37	ZZZZZZ	5		
12:42	ZZZZZZ	5		
12:47	ZZZZZZ	5		
12:51	ZZZZZZ	5		

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32238
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042216M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 04/22/16
Run ID: MA13106
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:56	MA13106-CCV3	1		
13:00	MA13106-CCB3	1		
13:05	ZZZZZZ	5		
13:09	ZZZZZZ	5		
13:14	ZZZZZZ	5		
13:18	ZZZZZZ	5		
13:23	ZZZZZZ	5		
13:28	ZZZZZZ	5		
13:32	ZZZZZZ	5		
13:37	MA13106-CCV4	1		
13:41	MA13106-CCB4	1		
13:59	MP30269-MB1	5		
14:04	MP30269-B1	5		
14:08	FA32107-16	5		(sample used for QC only; not part of login FA32238)
14:20	MP30269-D1	5		
14:25	MP30269-D2	5		
14:29	MP30269-SD1	25		
14:33	MP30269-PS1	5		
14:38	MP30269-S1	5		
14:42	MP30269-S2	5		
14:46	ZZZZZZ	5		
14:51	MA13106-CCV5	1		
14:55	MA13106-CCB5	1		
14:59	ZZZZZZ	5		
15:04	ZZZZZZ	5		
15:08	ZZZZZZ	5		
15:12	ZZZZZZ	5		
15:17	ZZZZZZ	5		
15:21	ZZZZZZ	5		
15:25	ZZZZZZ	5		
15:30	ZZZZZZ	5		
15:34	ZZZZZZ	5		
15:38	ZZZZZZ	5		

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32238
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042216M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 04/22/16
Run ID: MA13106
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:43	MA13106-CCV6	1		
15:47	MA13106-CCB6	1		
15:52	ZZZZZZ	5		
15:56	ZZZZZZ	5		
16:00	FA32238-1	5		
16:05	FA32238-4	5		
16:09	FA32238-7	5		
16:14	FA32238-10	5		
----->	Last reportable sample/prep for job FA32238			
16:18	MA13106-CRIA2	1		
16:22	MA13106-ICSA2	1		
16:27	MA13106-ICSAB2	1		
16:32	MA13106-CCV7	1		
16:36	MA13106-CCB7	1		
----->	Last reportable CCB for job FA32238 Refer to raw data for calibration curve and standards.			

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INTERNAL STANDARD SUMMARY

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13106
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:03	MA13106-STD1	4995	42759	3795	2711
10:08	MA13106-STD2	4901	42019	3760	2521
10:11	MA13106-STD3	4730	40280	3681	2298
10:15	MA13106-STD4	4547	39431	3626	2125
10:19	MA13106-HSTD1	4516	39194	3613	2106
10:27	MA13106-ICV1	4675	39944	3643	2280
10:34	MA13106-ICB1	4932 R	42411 R	3764 R	2685 R
10:39	MA13106-CRIA1	4838	41469	3774	2555
10:46	MA13106-ICSA1	4340	36033	3413	2011
10:56	MA13106-ICSAB1	4325	35789	3398	1992
11:04	MA13106-CCV1	4774	39888	3619	2296
11:09	MA13106-CCB1	4972	42269	3730	2693
11:17	MP30266-MB1	4910	42970	3775	2670
11:22	MP30266-B1	4733	40493	3663	2387
11:26	FA33273-1	4609	39540	3587	2375
11:30	MP30266-D1	4638	39739	3606	2388
11:35	MP30266-SD1	4881	41569	3697	2600
11:39	MP30266-PS1	4640	40002	3607	2334
11:44	MP30266-S1	4644	39380	3575	2250
11:48	MP30266-S2	4649	39501	3561	2254
11:52	ZZZZZZ	4077	32962	3463	1867
11:57	ZZZZZZ	4214	34777	3509	1945
12:01	MA13106-CCV2	4719	40204	3589	2282
12:05	MA13106-CCB2	4966	42713	3735	2680
12:10	ZZZZZZ	4367	36145	3544	2062
12:14	ZZZZZZ	4013	32545	3432	1828
12:19	ZZZZZZ	4247	34706	3493	1964
12:24	ZZZZZZ	4076	33209	3437	1871
12:33	ZZZZZZ	4241	34510	3444	1965
12:37	ZZZZZZ	3959	31921	3413	1792
12:42	ZZZZZZ	3885	31451	3434	1737
12:47	ZZZZZZ	4103	33360	3453	1894
12:51	ZZZZZZ	3931	31649	3423	1767

INTERNAL STANDARD SUMMARY

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13106
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:56	MA13106-CCV3	4710	40061	3531	2281
13:00	MA13106-CCB3	4952	42279	3650	2681
13:05	ZZZZZZ	4209	34658	3488	1969
13:09	ZZZZZZ	3786	30712	3440	1673
13:14	ZZZZZZ	4131	33484	3460	1898
13:18	ZZZZZZ	4203	34389	3472	1951
13:23	ZZZZZZ	3968	31882	3423	1793
13:28	ZZZZZZ	4125	33598	3424	1900
13:32	ZZZZZZ	4040	32631	3426	1829
13:37	MA13106-CCV4	4709	40049	3567	2271
13:41	MA13106-CCB4	4956	42569	3626	2675
13:59	MP30269-MB1	4894	41703	3559	2645
14:04	MP30269-B1	4881	41127	3532	2558
14:08	FA32107-16	4911	41498	3586	2493
14:20	MP30269-D1	4916	41512	3572	2498
14:25	MP30269-D2	4965	41586	3594	2508
14:29	MP30269-SD1	5025	42212	3613	2611
14:33	MP30269-PS1	4937	41671	3618	2485
14:38	MP30269-S1	4913	41425	3625	2456
14:42	MP30269-S2	4912	41319	3602	2450
14:46	ZZZZZZ	4986	41743	3629	2482
14:51	MA13106-CCV5	4728	39741	3505	2272
14:55	MA13106-CCB5	4936	42113	3603	2656
14:59	ZZZZZZ	4978	42066	3678	2506
15:04	ZZZZZZ	5000	41854	3603	2530
15:08	ZZZZZZ	5070	42238	3593	2497
15:12	ZZZZZZ	4994	41832	3637	2463
15:17	ZZZZZZ	5041	42510	3645	2531
15:21	ZZZZZZ	5049	42213	3647	2439
15:25	ZZZZZZ	5042	42066	3572	2524
15:30	ZZZZZZ	5070	42277	3637	2521
15:34	ZZZZZZ	5097	42260	3615	2525
15:38	ZZZZZZ	5032	41862	3579	2518

INTERNAL STANDARD SUMMARY

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13106
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:43	MA13106-CCV6	4768	40042	3511	2276
15:47	MA13106-CCB6	4998	42297	3620	2673
15:52	ZZZZZZ	4988	41566	3566	2517
15:56	ZZZZZZ	5069	42226	3621	2443
16:00	FA32238-1	5048	42153	3635	2517
16:05	FA32238-4	5017	41983	3551	2537
16:09	FA32238-7	5111	41887	3582	2446
16:14	FA32238-10	5050	41603	3596	2449
16:18	MA13106-CRIA2	4936	41470	3593	2560
16:22	MA13106-ICSA2	4364	35519	3261	1984
16:27	MA13106-ICSAB2	4359	35603	3242	1966
16:32	MA13106-CCV7	4762	39630	3417	2271
16:36	MA13106-CCB7	5009	42041	3522	2668

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042216M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/22/16
 Run ID: MA13106

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		10:34	11:09		12:05	13:00							
	Sample ID:	RL	ICB1	raw	final	CCB1	raw	final	CCB2	raw	final	CCB3	raw	final
Aluminum		200	14											
Antimony		6.0	1											
Arsenic		10	1.3	anr										
Barium		200	1	anr										
Beryllium		4.0	.2	anr										
Cadmium		5.0	.2	anr										
Calcium		1000	50	anr										
Chromium		10	1	anr										
Cobalt		50	.2											
Copper		25	1											
Iron		300	17											
Lead		5.0	1	0.0	<5.0	-0.30	<5.0	-0.10	<5.0	-0.20	<5.0			
Magnesium		5000	35	anr										
Manganese		15	.5											
Molybdenum		50	.3											
Nickel		40	.4											
Potassium		10000	200											
Selenium		10	2.4	anr										
Silver		10	.7	anr										
Sodium		10000	500	anr										
Strontium		10	.5											
Thallium		10	1.1											
Tin		50	.9											
Titanium		10	.5											
Vanadium		50	.5											
Zinc		20	3											

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
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BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042216M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/22/16
 Run ID: MA13106

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		13:41		14:55		15:47		16:36		
	Sample ID:	RL	IDL	CCB4	final	CCB5	final	CCB6	final	CCB7	final
Aluminum	200	14									
Antimony	6.0	1									
Arsenic	10	1.3	anr								
Barium	200	1	anr								
Beryllium	4.0	.2	anr								
Cadmium	5.0	.2	anr								
Calcium	1000	50	anr								
Chromium	10	1	anr								
Cobalt	50	.2									
Copper	25	1									
Iron	300	17									
Lead	5.0	1	-0.70	<5.0	0.40	<5.0	-0.40	<5.0	0.0	<5.0	
Magnesium	5000	35	anr								
Manganese	15	.5									
Molybdenum	50	.3									
Nickel	40	.4									
Potassium	10000	200									
Selenium	10	2.4	anr								
Silver	10	.7	anr								
Sodium	10000	500	anr								
Strontium	10	.5									
Thallium	10	1.1									
Tin	50	.9									
Titanium	10	.5									
Vanadium	50	.5									
Zinc	20	3									

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32238
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13106 Units: ug/l

Metal	Time:		10:27		11:04		12:01			
	Sample ID:	ICV	ICV1	CCV	CCV1	CCV2	CCV2	CCV2		
	True	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum										
Antimony										
Arsenic	anr									
Barium	anr									
Beryllium	anr									
Cadmium	anr									
Calcium	anr									
Chromium	anr									
Cobalt										
Copper										
Iron										
Lead	2000	2050	102.5	2000	2060	103.0	2000	2040	102.0	
Magnesium	anr									
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium	anr									
Silver	anr									
Sodium	anr									
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32238
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13106 Units: ug/l

Metal	Sample ID	Time: CCV	12:56		13:37		14:51		
			CCV3	Results	CCV4	Results	CCV5	Results	
Aluminum									
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper									
Iron									
Lead	2000	2030	101.5	2000	2040	102.0	2000	2040	102.0
Magnesium	anr								
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32238
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13106 Units: ug/l

Time:	15:43	16:32				
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum						
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Cadmium	anr					
Calcium	anr					
Chromium	anr					
Cobalt						
Copper						
Iron						
Lead	2000	2040	102.0	2000	2020	101.0
Magnesium	anr					
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium	anr					
Silver	anr					
Sodium	anr					
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13106 Units: ug/l

Time:	10:19	
Sample ID:	HSTD	HSTD1
Metal	True	Results % Rec

Aluminum			
Antimony			
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt			
Copper			
Iron			
Lead	4000	4080	102.0
Magnesium	anr		
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13106 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	10:39 CRIA1 Results	% Rec	16:18 CRIA2 Results	% Rec
Metal						
Aluminum	400	200				
Antimony	10	5.0				
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25				
Iron	600	300				
Lead	10	5.0	5.2	104.0	4.8	96.0
Magnesium	10000	5000	anr			
Manganese	30	15				
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000				
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20				

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA32238
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042216M1.ICP Date Analyzed: 04/22/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13106 Units: ug/l

Time:	10:46	10:56	16:22	16:27						
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2						
Metal	True	True	Results	% Rec						
Aluminum	500000	500000	514000	102.8	512000	102.4	531000	106.2	532000	106.4
Antimony		1000	0.70		1030	103.0	-0.70		1010	101.0
Arsenic		1000	0.40		1120	112.0	0.10		1080	108.0
Barium		500	-0.30		524	104.8	-0.40		552	110.4
Beryllium		500	-0.30		530	106.0	-0.30		530	106.0
Cadmium		1000	0.0		1010	101.0	-0.70		972	97.2
Calcium	500000	500000	493000	98.6	499000	99.8	524000	104.8	522000	104.4
Chromium		500	0.0		537	107.4	-0.40		531	106.2
Cobalt		500	-0.20		492	98.4	-0.10		487	97.4
Copper		500	0.0		541	108.2	0.30		568	113.6
Iron	200000	200000	192000	96.0	193000	96.5	194000	97.0	195000	97.5
Lead		1000	-0.10		1000	100.0	-2.1		983	98.3
Magnesium	500000	500000	537000	107.4	534000	106.8	558000	111.6	556000	111.2
Manganese		500	-0.30		544	108.8	-0.60		525	105.0
Molybdenum		1000	0.0		970	97.0	-0.10		963	96.3
Nickel		1000	0.30		1000	100.0	0.50		959	95.9
Potassium			-46		56.6		-8.6		43.3	
Selenium		1000	0.0		1040	104.0	0.80		1030	103.0
Silver		1000	-0.10		1050	105.0	-0.30		1080	108.0
Sodium			122		130		264		274	
Strontium		1000	-0.10		1030	103.0	-0.20		1100	110.0
Thallium		1000	-0.50		969	96.9	-0.30		955	95.5
Tin		1000	1.4		961	96.1	1.9		966	96.6
Titanium		1000	0.10		1050	105.0	0.30		1020	102.0
Vanadium		500	0.80		500	100.0	1.2		481	96.2
Zinc		1000	-1.7		1010	101.0	-2.0		1010	101.0

(*) Outside of QC limits
(anr) Analyte not requested

6.2.6
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32238
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042516M1.ICP Date Analyzed: 04/25/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13111
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:09	MA13111-STD1	1		STDA
09:13	MA13111-STD2	1		STDB
09:18	MA13111-STD3	1		STDC
09:24	MA13111-STD4	1		STDD
09:29	MA13111-HSTD1	1		
09:36	MA13111-ICV1	1		
09:44	MA13111-ICB1	1		
09:50	MA13111-CR1A1	1		
09:56	MA13111-ICSA1	1		
10:02	MA13111-ICSAB1	1		
10:08	MA13111-CCV1	1		
10:17	MA13111-CCB1	1		
10:21	ZZZZZZ	200		
10:26	ZZZZZZ	125		
10:31	ZZZZZZ	50		
10:35	ZZZZZZ	250		
10:40	ZZZZZZ	100		
10:49	ZZZZZZ	100		
10:53	ZZZZZZ	200		
10:58	ZZZZZZ	200		
11:02	ZZZZZZ	200		
11:07	MA13111-CCV2	1		
11:11	MA13111-CCB2	1		
11:15	ZZZZZZ	200		
11:20	ZZZZZZ	100		
11:29	ZZZZZZ	200		
11:33	ZZZZZZ	100		
11:38	ZZZZZZ	200		
11:42	ZZZZZZ	200		
11:47	ZZZZZZ	200		
11:51	ZZZZZZ	1		
11:56	ZZZZZZ	200		
12:00	MA13111-CCV3	1		

6.3
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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32238
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042516M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 04/25/16
Run ID: MA13111
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:07	MA13111-CCB3	1		
12:12	ZZZZZZ	500		
12:16	MP30270-MB1	1		
12:21	MP30270-B1	1		
12:52	ZZZZZZ	1		
12:56	MA13111-CCV4	1		
13:00	MA13111-CCB4	1		
13:05	ZZZZZZ	1		
13:09	ZZZZZZ	1		
13:14	ZZZZZZ	1		
13:18	ZZZZZZ	1		
13:22	ZZZZZZ	1		
13:27	ZZZZZZ	1		
13:31	ZZZZZZ	1		
13:35	ZZZZZZ	1		
13:39	ZZZZZZ	1		
13:44	ZZZZZZ	1		
13:48	MA13111-CCV5	1		
13:52	MA13111-CCB5	1		
13:57	ZZZZZZ	1		
14:02	MP30271-MB1	5		
14:06	MP30271-B1	5		
14:10	FA32238-13	5		
14:15	MP30271-D1	5		
14:28	MP30271-S1	5		
14:32	MP30271-S2	5		
14:37	FA32238-17	5		
14:41	MA13111-CCV6	1		
14:45	MA13111-CCB6	1		
14:50	FA32238-20	5		
14:54	FA32238-23	5		
14:58	FA32238-26	5		
15:03	FA32238-29	5		

6.3
9

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32238
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042516M1.ICP Date Analyzed: 04/25/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13111
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:07	ZZZZZZ	5		
15:12	ZZZZZZ	5		
15:16	ZZZZZZ	5		
15:20	ZZZZZZ	5		
15:25	ZZZZZZ	5		
15:29	ZZZZZZ	5		
15:34	MA13111-CCV7	1		
15:38	MA13111-CCB7	1		
15:42	ZZZZZZ	5		
15:47	ZZZZZZ	5		
15:51	ZZZZZZ	5		
15:55	ZZZZZZ	5		
16:04	ZZZZZZ	5		
16:08	MP30271-D2	5		
----->	Last reportable sample/prep for job FA32238			
16:13	MA13111-CRIA2	1		
16:17	MA13111-ICSA2	1		
16:22	MA13111-ICSAB2	1		
16:26	MA13111-CCV8	1		
16:31	MA13111-CCB8	1		
----->	Last reportable CCB for job FA32238			
16:53	MA13111-CCV9	1		
16:58	MA13111-CCB9	1		

Refer to raw data for calibration curve and standards.

6.3
6

INTERNAL STANDARD SUMMARY

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042516M1.ICP Date Analyzed: 04/25/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13111
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:09	MA13111-STD1	5008	43397	3460	2748
09:13	MA13111-STD2	4929	42387	3447	2561
09:18	MA13111-STD3	4773	40690	3401	2330
09:24	MA13111-STD4	4551	39198	3263	2135
09:29	MA13111-HSTD1	4524	39057	3260	2121
09:36	MA13111-ICV1	4717	39798	3274	2286
09:44	MA13111-ICB1	4965 R	42402 R	3365 R	2705 R
09:50	MA13111-CR1A1	4928	41495	3352	2619
09:56	MA13111-ICSA1	4364	36719	3200	2040
10:02	MA13111-ICSAB1	4350	36476	3166	2014
10:08	MA13111-CCV1	4717	40489	3339	2320
10:17	MA13111-CCB1	4962	42728	3482	2749
10:21	ZZZZZZ	4806	41007	3421	2545
10:26	ZZZZZZ	4841	41320	3460	2560
10:31	ZZZZZZ	4801	40820	3441	2503
10:35	ZZZZZZ	4859	41473	3457	2572
10:40	ZZZZZZ	4830	41057	3438	2527
10:49	ZZZZZZ	4847	41317	3471	2539
10:53	ZZZZZZ	4807	40952	3432	2515
10:58	ZZZZZZ	4737	40526	3403	2475
11:02	ZZZZZZ	4839	41422	3465	2570
11:07	MA13111-CCV2	4735	40871	3385	2327
11:11	MA13111-CCB2	4947	42925	3468	2727
11:15	ZZZZZZ	4829	41097	3452	2524
11:20	ZZZZZZ	4853	41342	3453	2547
11:29	ZZZZZZ	4843	41369	3453	2574
11:33	ZZZZZZ	4813	40768	3392	2523
11:38	ZZZZZZ	4814	41364	3470	2518
11:42	ZZZZZZ	4842	41639	3454	2572
11:47	ZZZZZZ	4869	41335	3451	2561
11:51	ZZZZZZ	4842	41868	3401	2587
11:56	ZZZZZZ	4840	41533	3472	2556
12:00	MA13111-CCV3	4706	40450	3391	2314

INTERNAL STANDARD SUMMARY

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042516M1.ICP Date Analyzed: 04/25/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13111
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:07	MA13111-CCB3	4930	42360	3392	2722
12:12	ZZZZZZ	4853	41551	3419	2567
12:16	MP30270-MB1	4892	43380	3492	2715
12:21	MP30270-B1	4833	41662	3453	2463
12:52	ZZZZZZ	6109	52277	4190	2477
12:56	MA13111-CCV4	4740	40885	3403	2337
13:00	MA13111-CCB4	4978	43260	3490	2748
13:05	ZZZZZZ	6901 !	58383 !	4739 !	2511
13:09	ZZZZZZ	5420	45073	3664	2493
13:14	ZZZZZZ	5550	45744	3731	2474
13:18	ZZZZZZ	6827 !	57947 !	4672 !	2495
13:22	ZZZZZZ	6135	51081	4176	2478
13:27	ZZZZZZ	5900	49474	3999	2526
13:31	ZZZZZZ	6302 !	53181 !	4279 !	2518
13:35	ZZZZZZ	6406 !	53775 !	4368 !	2503
13:39	ZZZZZZ	7069 !	59839 !	4822 !	2480
13:44	ZZZZZZ	5874	49519	3989	2451
13:48	MA13111-CCV5	4729	40473	3315	2329
13:52	MA13111-CCB5	5006	43217	3472	2752
13:57	ZZZZZZ	4518	38978	3347	2148
14:02	MP30271-MB1	5053	43701	3433	2763
14:06	MP30271-B1	4989	42895	3397	2647
14:10	FA32238-13	5067	43225	3469	2579
14:15	MP30271-D1	5066	43412	3479	2600
14:28	MP30271-S1	5035	42767	3410	2532
14:32	MP30271-S2	5004	42625	3450	2528
14:37	FA32238-17	5055	43072	3458	2612
14:41	MA13111-CCV6	4749	40665	3314	2336
14:45	MA13111-CCB6	5040	43314	3395	2771
14:50	FA32238-20	5048	43124	3439	2582
14:54	FA32238-23	5073	43409	3459	2590
14:58	FA32238-26	5064	42957	3429	2577
15:03	FA32238-29	5100	42999	3430	2562

INTERNAL STANDARD SUMMARY

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042516M1.ICP Date Analyzed: 04/25/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13111
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:07	ZZZZZZ	5084	43255	3450	2586
15:12	ZZZZZZ	5157	43602	3445	2612
15:16	ZZZZZZ	5099	43312	3439	2521
15:20	ZZZZZZ	5086	43353	3445	2584
15:25	ZZZZZZ	5121	43516	3457	2610
15:29	ZZZZZZ	5058	43373	3380	2652
15:34	MA13111-CCV7	4809	40889	3307	2352
15:38	MA13111-CCB7	5053	43276	3402	2760
15:42	ZZZZZZ	5071	43455	3409	2661
15:47	ZZZZZZ	5090	43222	3406	2633
15:51	ZZZZZZ	5140	43344	3387	2640
15:55	ZZZZZZ	5046	43383	3390	2663
16:04	ZZZZZZ	5121	43254	3391	2622
16:08	MP30271-D2	5130	43348	3363	2630
16:13	MA13111-CRIA2	5014	42578	3385	2659
16:17	MA13111-ICSA2	4444	36807	3105	2058
16:22	MA13111-ICSAB2	4377	36405	3073	2012
16:26	MA13111-CCV8	4789	41057	3277	2335
16:31	MA13111-CCB8	4975	42845	3385	2715
16:53	MA13111-CCV9	4745	40379	3279	2315
16:58	MA13111-CCB9	5038	43063	3366	2751

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.3.1
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042516M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/25/16
 Run ID: MA13111

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		09:44		10:17		11:11		12:07		
	Sample ID:	RL	IDL	ICB1	final	CCB1	final	CCB2	final	CCB3	final
Aluminum	200	14									
Antimony	6.0	1									
Arsenic	10	1.3	anr								
Barium	200	1	anr								
Beryllium	4.0	.2	anr								
Cadmium	5.0	.2	anr								
Calcium	1000	50	anr								
Chromium	10	1	anr								
Cobalt	50	.2									
Copper	25	1									
Iron	300	17									
Lead	5.0	1	0.30	<5.0	0.20	<5.0	-0.20	<5.0	-0.60	<5.0	
Magnesium	5000	35	anr								
Manganese	15	.5									
Molybdenum	50	.3									
Nickel	40	.4									
Potassium	10000	200									
Selenium	10	2.4	anr								
Silver	10	.7	anr								
Sodium	10000	500	anr								
Strontium	10	.5									
Thallium	10	1.1									
Tin	50	.9									
Titanium	10	.5									
Vanadium	50	.5									
Zinc	20	3									

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042516M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/25/16
 Run ID: MA13111

Methods: SW846 6010C
 Units: ug/l

Metal	RL	IDL	Time:							
			Sample ID:	13:00	13:52	14:45	15:38			
			CCB4	CCB5	CCB6	CCB7				
			raw	raw	raw	raw	final	final	final	final
Aluminum	200	14								
Antimony	6.0	1								
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2	anr							
Cadmium	5.0	.2	anr							
Calcium	1000	50	anr							
Chromium	10	1	anr							
Cobalt	50	.2								
Copper	25	1								
Iron	300	17								
Lead	5.0	1	0.40	<5.0	0.20	<5.0	0.40	<5.0	0.20	<5.0
Magnesium	5000	35	anr							
Manganese	15	.5								
Molybdenum	50	.3								
Nickel	40	.4								
Potassium	10000	200								
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.1								
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5								
Zinc	20	3								

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.2
 6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042516M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/25/16
 Run ID: MA13111

Methods: SW846 6010C
 Units: ug/l

Time: Sample ID:	RL	IDL	16:31 CCB8 raw	final
Metal				
Aluminum	200	14		
Antimony	6.0	1		
Arsenic	10	1.3	anr	
Barium	200	1	anr	
Beryllium	4.0	.2	anr	
Cadmium	5.0	.2	anr	
Calcium	1000	50	anr	
Chromium	10	1	anr	
Cobalt	50	.2		
Copper	25	1		
Iron	300	17		
Lead	5.0	1	-0.30	<5.0
Magnesium	5000	35	anr	
Manganese	15	.5		
Molybdenum	50	.3		
Nickel	40	.4		
Potassium	10000	200		
Selenium	10	2.4	anr	
Silver	10	.7	anr	
Sodium	10000	500	anr	
Strontium	10	.5		
Thallium	10	1.1		
Tin	50	.9		
Titanium	10	.5		
Vanadium	50	.5		
Zinc	20	3		

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.2
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32238
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042516M1.ICP Date Analyzed: 04/25/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13111 Units: ug/l

Metal	Time:		09:36		10:08		11:07		
	Sample ID:	ICV	ICV1	CCV	CCV1	CCV	CCV2		
	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper									
Iron									
Lead	2000	2040	102.0	2000	2030	101.5	2000	2030	101.5
Magnesium	anr								
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

6.3.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32238
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042516M1.ICP Date Analyzed: 04/25/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13111 Units: ug/l

Time:	12:00	12:56	13:48
Sample ID:	CCV3	CCV4	CCV5
Metal	True	True	True
	Results	Results	Results
	% Rec	% Rec	% Rec
Aluminum			
Antimony			
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt			
Copper			
Iron			
Lead	2000 2060	2000 2050	2000 2070
	103.0	102.5	103.5
Magnesium	anr		
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
(anr) Analyte not requested

6.3.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32238
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042516M1.ICP Date Analyzed: 04/25/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13111 Units: ug/l

Metal	Time:		14:41		15:34		16:26		
	Sample ID:	CCV	CCV6	CCV	CCV7	CCV	CCV8		
	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper									
Iron									
Lead	2000	2030	101.5	2000	2030	101.5	2000	2020	101.0
Magnesium	anr								
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

6.3.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042516M1.ICP Date Analyzed: 04/25/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13111 Units: ug/l

Time:	09:29
Sample ID: HSTD	HSTD1
Metal	True
Results	% Rec

Aluminum			
Antimony			
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt			
Copper			
Iron			
Lead	4000	4060	101.5
Magnesium	anr		
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042516M1.ICP Date Analyzed: 04/25/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13111 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	09:50 CRIA1 Results	% Rec	16:13 CRIA2 Results	% Rec
Metal						
Aluminum	400	200				
Antimony	10	5.0				
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25				
Iron	600	300				
Lead	10	5.0	5.1	102.0	5.3	106.0
Magnesium	10000	5000	anr			
Manganese	30	15				
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000				
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20				

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA32238
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042516M1.ICP Date Analyzed: 04/25/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13111 Units: ug/l

Time:	09:56	10:02	16:17	16:22
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2
Metal	True	True	Results	% Rec
Aluminum	500000	500000	504000	100.8
Antimony		1000	-0.20	
Arsenic		1000	-0.70	
Barium		500	-0.20	
Beryllium		500	-0.40	
Cadmium		1000	0.60	
Calcium	500000	500000	486000	97.2
Chromium		500	-0.50	
Cobalt		500	-0.50	
Copper		500	0.50	
Iron	200000	200000	188000	94.0
Lead		1000	0.0	
Magnesium	500000	500000	523000	104.6
Manganese		500	-0.70	
Molybdenum		1000	0.0	
Nickel		1000	-0.10	
Potassium			11.5	
Selenium		1000	0.0	
Silver		1000	-0.20	
Sodium			135	
Strontium		1000	-0.30	
Thallium		1000	-1.9	
Tin		1000	1.1	
Titanium		1000	-0.10	
Vanadium		500	0.80	
Zinc		1000	-2.2	

(*) Outside of QC limits
(anr) Analyte not requested

6.3.6
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA32238
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30157
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/23/16 03/23/16

Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Aluminum	200	14	14				
Antimony	6.0	1	1				
Arsenic	10	1.3	1.3				
Barium	200	1	1				
Beryllium	4.0	.2	.2				
Cadmium	5.0	.2	.2				
Calcium	1000	50	50				
Chromium	10	1	1				
Cobalt	50	.2	.2				
Copper	25	1	1				
Iron	300	17	17				
Lead	5.0	1	1.1	0.50	<5.0	0.40	<5.0
Magnesium	5000	35	35				
Manganese	15	.5	1				
Molybdenum	50	.3	.3				
Nickel	40	.4	.4				
Potassium	10000	200	200				
Selenium	10	2.4	2.9				
Silver	10	.7	.7				
Sodium	10000	500	500				
Strontium	10	.5	.5				
Thallium	10	1.1	1.4				
Tin	50	.9	1				
Titanium	10	.5	1				
Vanadium	50	.5	.6				
Zinc	20	3	4.4				

Associated samples MP30157: FA32238-16

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.4.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30157
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/23/16 03/23/16

Metal	FA32398-1 Original	DUP	RPD	QC Limits	FA32398-1 Original MS	Spikelot MPFLICP2 % Rec	QC Limits		
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	0.0	0.0	NC	0-20	0.0	519	500	103.8	80-120
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

Associated samples MP30157: FA32238-16

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.4.2
 6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30157
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/23/16

Metal	FA32398-1 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit		
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Cadmium	anr					
Calcium	anr					
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron	anr					
Lead	0.0	533	500	106.6	2.7	20
Magnesium	anr					
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	anr					
Selenium	anr					
Silver	anr					
Sodium	anr					
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

Associated samples MP30157: FA32238-16

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.4.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30157
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/23/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Cadmium	anr			
Calcium	anr			
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron	anr			
Lead	517	500	103.4	80-120
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	anr			
Selenium	anr			
Silver	anr			
Sodium	anr			
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP30157: FA32238-16

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.3
 6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30157
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/23/16

Metal	FA32398-1	Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr				
Antimony	anr				
Arsenic	anr				
Barium	anr				
Beryllium	anr				
Cadmium	anr				
Calcium	anr				
Chromium	anr				
Cobalt	anr				
Copper	anr				
Iron	anr				
Lead	0.00	0.00	NC		0-10
Magnesium	anr				
Manganese	anr				
Molybdenum					
Nickel	anr				
Potassium	anr				
Selenium	anr				
Silver	anr				
Sodium	anr				
Strontium					
Thallium	anr				
Tin					
Titanium					
Vanadium	anr				
Zinc	anr				

Associated samples MP30157: FA32238-16

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30157
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date:

03/23/16

Metal	Sample ml	Final ml	FA32398-1 Raw	PS Corr.** ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	9.8	10		52.3	0.2	2.5	50	104.6	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP30157: FA32238-16

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (**) Corr. sample result = Raw * (sample volume / final volume)
 (anr) Analyte not requested

6.4.5
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA32238
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30269
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 04/22/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.4	3.5		
Antimony	2.0	.1	.13		
Arsenic	1.0	.13	.2		
Barium	20	.1	.1		
Beryllium	0.50	.02	.05		
Cadmium	0.40	.02	.05		
Calcium	500	5	5		
Chromium	1.0	.1	.1		
Cobalt	5.0	.02	.05		
Copper	2.5	.1	.1		
Iron	30	1.7	1.7		
Lead	2.0	.1	.1	0.0	<2.0
Magnesium	500	3.5	3.6		
Manganese	1.5	.05	.05		
Molybdenum	5.0	.03	.05		
Nickel	4.0	.04	.05		
Potassium	1000	20	20		
Selenium	2.0	.24	.24		
Silver	1.0	.07	.082		
Sodium	1000	50	50		
Strontium	1.0	.05	.05		
Thallium	1.0	.11	.11		
Tin	5.0	.09	.09		
Titanium	1.0	.05	.05		
Vanadium	5.0	.05	.05		
Zinc	2.0	.3	.3		

Associated samples MP30269: FA32238-1, FA32238-4, FA32238-7, FA32238-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.5.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30269
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/22/16 04/22/16

Metal	FA32107-16		RPD	QC Limits	FA32107-16		QC Limits
	Original	DUP			Original	DUP	
Aluminum							
Antimony							
Arsenic							
Barium							
Beryllium							
Cadmium							
Calcium							
Chromium							
Cobalt							
Copper							
Iron							
Lead	108	114	5.4	0-20	108	107	0.9 0-20
Magnesium							
Manganese							
Molybdenum							
Nickel							
Potassium							
Selenium							
Silver							
Sodium							
Strontium							
Thallium							
Tin							
Titanium							
Vanadium							
Zinc							

Associated samples MP30269: FA32238-1, FA32238-4, FA32238-7, FA32238-10

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.5.2
 6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30269
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/22/16

Metal	FA32107-16 Original MS	Spikelot MPFLICP2 % Rec	QC Limits
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead	108 113	9.56	52.3 (a) 80-120
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

Associated samples MP30269: FA32238-1, FA32238-4, FA32238-7, FA32238-10

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

6.5.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30269
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/22/16

Metal	FA32107-16 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	108 124	9.74	164.2(a) 9.3	20
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30269: FA32238-1, FA32238-4, FA32238-7, FA32238-10

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

6.5.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30269
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/22/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	10.0	10	100.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30269: FA32238-1, FA32238-4, FA32238-7, FA32238-10

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.5.3
6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30269
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 04/22/16

Metal	FA32107-16	QC
	Original SDL 5:25 %DIF	Limits

Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	5560	5430	2.5	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30269: FA32238-1, FA32238-4, FA32238-7, FA32238-10

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.5.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30269
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date:

04/22/16

Metal	Sample ml	Final ml	FA32107-16 Raw	PS Corr.**	ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead	9.8	10	5562	5450.76	5435	0.2	2.5	50	-31.5*(a	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP30269: FA32238-1, FA32238-4, FA32238-7, FA32238-10

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(**) Corr. sample result = Raw * (sample volume / final volume)

(anr) Analyte not requested

(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

6.5.5

6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA32238
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30271
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 04/25/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.4	3.5		
Antimony	2.0	.1	.13		
Arsenic	1.0	.13	.2		
Barium	20	.1	.1		
Beryllium	0.50	.02	.05		
Cadmium	0.40	.02	.05		
Calcium	500	5	5		
Chromium	1.0	.1	.1		
Cobalt	5.0	.02	.05		
Copper	2.5	.1	.1		
Iron	30	1.7	1.7		
Lead	2.0	.1	.1	0.062	<2.0
Magnesium	500	3.5	3.6		
Manganese	1.5	.05	.05		
Molybdenum	5.0	.03	.05		
Nickel	4.0	.04	.05		
Potassium	1000	20	20		
Selenium	2.0	.24	.24		
Silver	1.0	.07	.082		
Sodium	1000	50	50		
Strontium	1.0	.05	.05		
Thallium	1.0	.11	.11		
Tin	5.0	.09	.09		
Titanium	1.0	.05	.05		
Vanadium	5.0	.05	.05		
Zinc	2.0	.3	.3		

Associated samples MP30271: FA32238-13, FA32238-17, FA32238-20, FA32238-23, FA32238-26, FA32238-29

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.6.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30271
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/25/16 04/25/16

Metal	FA32238-13 Original DUP		RPD	QC Limits	FA32238-13 Original MS		Spikelot MPFLICP2 % Rec	QC Limits
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead	21.8	21.7	0.5	0-20	21.8	32.8	9.82	111.8 80-120
Magnesium								
Manganese								
Molybdenum								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Strontium								
Thallium								
Tin								
Titanium								
Vanadium								
Zinc								

Associated samples MP30271: FA32238-13, FA32238-17, FA32238-20, FA32238-23, FA32238-26, FA32238-29

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.6.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30271
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/25/16 04/25/16

Metal	FA32238-13 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit	FA32238-13 Original DUP	RPD	QC Limits
Aluminum							
Antimony							
Arsenic							
Barium							
Beryllium							
Cadmium							
Calcium							
Chromium							
Cobalt							
Copper							
Iron							
Lead	21.8 34.9	9.72	135.0(a)	6.2	20	21.8 21.6	0.9 0-20
Magnesium							
Manganese							
Molybdenum							
Nickel							
Potassium							
Selenium							
Silver							
Sodium							
Strontium							
Thallium							
Tin							
Titanium							
Vanadium							
Zinc							

Associated samples MP30271: FA32238-13, FA32238-17, FA32238-20, FA32238-23, FA32238-26, FA32238-29

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

6.6.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA32238
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30271
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/25/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	10	10	100.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30271: FA32238-13, FA32238-17, FA32238-20, FA32238-23, FA32238-26, FA32238-29

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.6.3
6

Instrument Detection Limits

Job Number: FA32238
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1	Effective Date: 01/27/15
-------------------------	--------------------------

Analyte	IDL ug/l
Aluminum	14
Antimony	1
Arsenic	1.3
Barium	1
Beryllium	.2
Cadmium	.2
Calcium	50
Chromium	1
Cobalt	.2
Copper	1
Iron	17
Lead	1
Magnesium	35
Manganese	.5
Molybdenum	.3
Nickel	.4
Potassium	200
Selenium	2.4
Silicon	5
Silver	.7
Sodium	500
Strontium	.5
Sulfur	5
Thallium	1.1
Tin	.9
Titanium	.5
Vanadium	.5
Zinc	3

The above applies to the following instrument runs:
MA13053,MA13106,MA13111

6.7
6

Instrument Linear Ranges

Job Number: FA32238
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1

Effective Date: 08/13/13

Analyte	Linear Range ug/l
Aluminum	500000
Antimony	10000
Arsenic	10000
Barium	10000
Beryllium	10000
Cadmium	10000
Calcium	500000
Chromium	10000
Cobalt	10000
Copper	10000
Iron	500000
Lead	10000
Magnesium	500000
Manganese	10000
Molybdenum	10000
Nickel	10000
Potassium	80000
Selenium	10000
Silver	1000
Sodium	80000
Strontium	10000
Sulfur	10000
Thallium	10000
Tin	10000
Titanium	10000
Vanadium	10000
Zinc	10000

The above applies to the following instrument runs:
MA13053,MA13106,MA13111

Metals Analysis

Raw Data

Sample Name: Blank Acquired: 3/23/2016 8:20:21 Type: Cal
Method: 60102007_042011(v22) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	.0007	-0.0005	.0030	-0.0011	.0019	-0.0009	-0.0006	-0.0001
Stddev	.0004	.0019	.0001	.0004	.0000	.0008	.0000	.0002	.0001
%RSD	301.9	252.7	14.46	14.82	33.38	38.76	5.161	28.43	89.93
#1	.0000	-0.0007	-0.0006	.0034	-0.0011	.0011	-0.0008	-0.0006	-0.0002
#2	-0.0005	.0001	-0.0006	.0025	-0.0002	.0025	-0.0009	-0.0008	-0.0001
#3	-0.0002	.0028	-0.0004	.0029	-0.0002	.0022	-0.0009	-0.0005	-0.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0056	.0022	-0.0011	.0000	.0005	.0015	-0.0162	-0.0001	-0.0002
Stddev	.0001	.0004	.0018	.001	.0001	.0001	.0018	.0002	.0001
%RSD	2.303	19.82	168.2	1338.	17.32	5.220	11.42	205.9	51.06
#1	.0057	.0026	-0.0018	-0.0008	.0006	.0015	-0.0174	-0.0003	-0.0003
#2	.0054	.0023	-0.0024	.0005	.0004	.0015	-0.0141	.0001	-0.0002
#3	.0056	.0017	.0010	.0001	.0004	.0014	-0.0172	-0.0002	-0.0001
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0006	-0.0006	.0049	.0003	.0004	.0024	-0.0009	-0.0007	.0026
Stddev	.0001	.0001	.0002	.0000	.0005	.0000	.0002	.0000	.0007
%RSD	16.04	13.66	3.764	5.106	116.9	1.111	16.75	5.161	27.42
#1	.0006	-0.0007	.0051	.0003	.0001	.0024	-0.0008	-0.0007	.0021
#2	.0005	-0.0005	.0048	.0003	.0010	.0024	-0.0011	-0.0008	.0023
#3	.0006	-0.0006	.0047	.0003	.0001	.0024	-0.0009	-0.0007	.0034
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2997.9	5883.7	44230.	4299.9					
Stddev	4.4	2.1	143.	15.4					
%RSD	.14635	.03502	.32238	.35919					
#1	2994.7	5881.3	44069.	4317.5					
#2	2996.1	5884.5	44339.	4293.8					
#3	3002.9	5885.2	44283.	4288.4					

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Sample Name: LowStd Acquired: 3/23/2016 8:24:46 Type: Cal
Method: 60102007_042011(v22) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0321	2.114	.0843	3.675	5.358	2.631	2.367	1.216	.2733
Stddev	.0003	.008	.0002	.007	.013	.003	.004	.001	.0004
%RSD	1.028	.3740	.2612	.1959	.2355	.1022	.1628	.0951	.1629
#1	.0323	2.105	.0841	3.667	5.344	2.631	2.362	1.215	.2738
#2	.0322	2.121	.0845	3.677	5.369	2.634	2.368	1.217	.2729
#3	.0317	2.115	.0842	3.681	5.361	2.629	2.369	1.216	.2732
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.3970	1.769	1.002	.2661	1.283	.4965	4.115	.7834	.4180
Stddev	.0009	.006	.002	.0012	.003	.0018	.005	.0008	.0012
%RSD	.2378	.3558	.2058	.4476	.2243	.3661	.1123	.1058	.2775
#1	.3973	1.762	1.001	.2658	1.287	.4946	4.112	.7836	.4169
#2	.3978	1.772	1.000	.2650	1.283	.4982	4.120	.7826	.4178
#3	.3960	1.773	1.004	.2674	1.281	.4967	4.114	.7842	.4192
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1150	.0576	.1745	.1887	7.800	1.035	.1370	.3659	1.275
Stddev	.0004	.0003	.0004	.0007	.007	.001	.0007	.0012	.001
%RSD	.3801	.5820	.2165	.3799	.0954	.0900	.5244	.3331	.1068
#1	.1145	.0576	.1740	.1879	7.792	1.036	.1368	.3670	1.277
#2	.1150	.0573	.1747	.1889	7.806	1.034	.1365	.3662	1.274
#3	.1154	.0580	.1747	.1893	7.801	1.035	.1379	.3646	1.275
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2805.2	5798.4	43435.	4320.1					
Stddev	4.5	13.5	88.	3.4					
%RSD	.16197	.23262	.20266	.07755					
#1	2809.0	5813.3	43342.	4318.7					
#2	2806.3	5787.0	43448.	4317.7					
#3	2800.1	5794.9	43516.	4323.9					

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Sample Name: MidStd Acquired: 3/23/2016 8:28:58 Type: Cal
Method: 60102007_042011(v22) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1303	7.997	3.490	15.06	21.69	9.969	9.485	4.849	1.081
Stddev	.0004	.030	.0005	.06	.09	.059	.017	.010	.002
%RSD	.3251	.3805	.1465	.3683	.4083	.5908	.1751	.2116	.1507
#1	.1303	8.026	3.489	15.12	21.75	10.000	9.489	4.854	1.080
#2	.1308	7.966	3.485	15.03	21.59	9.901	9.467	4.837	1.083
#3	.1300	8.000	3.495	15.02	21.73	10.01	9.499	4.855	1.081
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.577	6.329	3.872	1.012	5.123	2.000	15.85	3.117	1.738
Stddev	.005	.037	.026	.004	.002	.004	.05	.005	.005
%RSD	.3168	.5866	.6705	.4309	.0343	.2025	.3364	.1494	.2685
#1	1.578	6.365	3.891	1.012	5.122	2.000	15.91	3.117	1.739
#2	1.581	6.291	3.842	1.008	5.124	1.997	15.80	3.112	1.742
#3	1.571	6.332	3.882	1.016	5.125	2.005	15.86	3.121	1.733
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4692	.2389	.8280	.7612	31.84	4.196	5.665	1.483	5.106
Stddev	.0002	.0003	.0010	.0008	.13	.007	.0010	.001	.015
%RSD	.0475	.1434	.1197	.1002	.4187	.1602	.1809	.0894	.2984
#1	.4691	.2389	.8288	.7609	31.99	4.193	5.675	1.484	5.115
#2	.4690	.2385	.8269	.7606	31.73	4.203	5.666	1.484	5.088
#3	.4695	.2392	.8283	.7620	31.79	4.190	5.655	1.482	5.115
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2575.4	5626.3	42404.	4295.3					
Stddev	7.8	11.9	78.	37.1					
%RSD	.30292	.21187	.18328	.86320					
#1	2570.6	5615.0	42324.	4275.1					
#2	2571.1	5638.8	42479.	4338.1					
#3	2584.4	5625.1	42410.	4272.8					

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Sample Name: HighStd Acquired: 3/23/2016 8:33:23 Type: Cal
Method: 60102007_042011(v22) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2544	15.79	7.017	30.17	43.03	19.63	18.69	9.591	2.142
Stddev	.0011	.03	.0009	.11	.05	.05	.02	.006	.008
%RSD	.4151	.1947	.1222	.3572	.1175	.2566	.1315	.0660	.3616
#1	.2537	15.77	7.014	30.07	43.08	19.68	18.68	9.587	2.150
#2	.2556	15.79	7.011	30.16	42.98	19.60	18.68	9.588	2.135
#3	.2538	15.83	7.027	30.28	43.03	19.60	18.72	9.599	2.142
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.150	12.88	7.723	1.995	9.967	3.996	31.49	6.147	3.556
Stddev	.001	.01	.017	.008	.092	.003	.03	.005	.004
%RSD	.0388	.0923	.2130	.4093	.9282	.0807	.1034	.0746	.1061
#1	3.151	12.90	7.710	2.004	10.06	3.993	31.51	6.145	3.552
#2	3.149	12.87	7.741	1.988	9.967	3.997	31.45	6.143	3.556
#3	3.151	12.88	7.717	1.993	9.874	3.999	31.51	6.152	3.560
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.9445	.4785	1.172	1.496	63.61	8.301	1.139	2.975	10.10
Stddev	.0013	.0008	.001	.002	.08	.018	.001	.007	.02
%RSD	.1347	.1733	.0854	.1241	.1321	.2146	.0766	.2203	.2430
#1	.9431	.4793	1.172	1.495	63.70	8.32			

Sample Name: HSTD Acquired: 3/23/2016 8:38:24 Type: QC
 Method: 60102007_042011(v22) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.897	79.01	3.961	3.956	3.985	78.86	3.917	3.919	3.957
Stddev	.0007	.18	.006	.011	.011	.27	.004	.002	.006
%RSD	.1509	.2328	.1527	.2722	.2773	.3421	.1105	.0565	.1600

#1	.4895	78.80	3.966	3.956	3.973	78.56	3.920	3.920	3.963
#2	.4891	79.11	3.963	3.945	3.991	78.95	3.912	3.917	3.950
#3	.4905	79.13	3.955	3.966	3.992	79.08	3.920	3.921	3.957

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.966	79.55	79.17	79.37	3.911	3.946	79.17	3.928	4.014
Stddev	.018	.27	.41	.37	.019	.003	.18	.001	.005
%RSD	.4540	.3402	.5178	.4623	.4868	.0677	.2293	.0336	.1204

#1	3.980	79.24	78.76	78.96	3.900	3.944	78.96	3.927	4.019
#2	3.972	79.70	79.17	79.68	3.900	3.945	79.22	3.928	4.013
#3	3.946	79.72	79.58	79.46	3.933	3.949	79.31	3.929	4.010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.960	3.923	3.466	3.930	3.984	3.939	3.993	3.991	3.930
Stddev	.004	.005	.004	.002	.015	.021	.009	.009	.005
%RSD	.1097	.1331	.1104	.0577	.3721	.5449	.2197	.2280	.1391

#1	3.956	3.921	3.461	3.928	3.970	3.952	4.002	3.996	3.933
#2	3.964	3.929	3.468	3.932	3.984	3.951	3.985	3.980	3.923
#3	3.958	3.919	3.468	3.931	4.000	3.914	3.992	3.996	3.932

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 3/23/2016 8:38:24 Type: QC
 Method: 60102007_042011(v22) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2391.9	5467.2	41091.	4167.1
Stddev	1.2	5.4	68.	23.1
%RSD	.05061	.09803	.16556	.55316

#1	2392.0	5472.6	41046.	4193.6
#2	2393.0	5467.1	41169.	4151.7
#3	2390.6	5461.9	41058.	4155.9

Sample Name: ICV Acquired: 3/23/2016 8:46:26 Type: QC
 Method: 60102007_042011(v22) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.425	41.07	1.980	2.025	2.018	42.22	2.016	2.017	1.994
Stddev	.0012	.56	.004	.024	.027	.57	.001	.002	.010
%RSD	.4990	1.355	.1992	1.177	1.355	1.341	.0501	.0806	.5102

#1	.2438	40.51	1.978	1.999	1.989	41.59	2.015	2.016	2.003
#2	.2413	41.62	1.978	2.046	2.043	42.70	2.017	2.019	1.983
#3	.2424	41.07	1.985	2.030	2.021	42.36	2.016	2.017	1.997

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.964	41.30	41.83	42.29	2.059	1.896	42.20	2.030	1.987
Stddev	.007	.59	.48	.65	.009	.002	.47	.004	.004
%RSD	.3568	1.425	1.152	1.533	.4460	.0788	1.122	.2114	.2164

#1	1.964	40.67	41.31	41.66	2.064	1.895	41.70	2.026	1.984
#2	1.957	41.84	42.26	42.95	2.048	1.897	42.64	2.030	1.984
#3	1.971	41.39	41.92	42.25	2.064	1.895	42.28	2.035	1.992

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.989	2.013	1.352	2.019	1.892	1.929	2.046	1.876	2.036
Stddev	.006	.007	.0009	.004	.025	.010	.005	.009	.004
%RSD	.2988	.3334	.6950	.2051	1.323	.5204	.2676	.4811	.1989

#1	1.984	2.006	.1345	2.017	1.863	1.932	2.042	1.879	2.033
#2	1.996	2.020	.1363	2.017	1.911	1.917	2.052	1.865	2.036
#3	1.986	2.012	.1349	2.024	1.900	1.936	2.043	1.882	2.041

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 3/23/2016 8:46:26 Type: QC
 Method: 60102007_042011(v22) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2566.2	5608.5	42447.	4270.4
Stddev	1.7	6.0	185.	42.0
%RSD	.06545	.10731	.43618	.98249

#1	2566.3	5613.0	42249.	4296.9
#2	2564.5	5601.6	42615.	4222.1
#3	2567.8	5610.8	42478.	4292.4

Sample Name: ICB Acquired: 3/23/2016 8:58:19 Type: QC
 Method: 60102007_042011(v22) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0006	-0.0002	-0.0003	.0000	.0018	-0.0001	.0000	-0.0002
Stddev	.0003	.0067	.0005	.0004	.0001	.0025	.0000	.0001	.0000
%RSD	189.0	1091.	297.4	124.1	3016.	135.8	36.20	382.3	14.14

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.0078	.0494	.0045	.0000	-0.0007	.0090	-0.0001	.0003
Stddev	.0002	.0017	.0314	.0172	.000	.0000	.0058	.0002	.0004
%RSD	347.5	21.62	63.53	385.0	7.864	5.343	64.05	141.8	111.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	-0.0004	.0012	.0000	.0000	-0.0005	-0.0001	-0.0001	-0.0008
Stddev	.0000	.0006	.0001	.000	.000	.0001	.0012	.0001	.0000
%RSD	6.354	174.1	10.28	405.8	447.6	15.23	857.7	75.93	.9184

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 3/23/2016 8:58:19 Type: QC
 Method: 60102007_042011(v22) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3009.3	6009.7	44605.	4332.5
Stddev	4.6	10.3	102.	13.7
%RSD	.15405	.17133	.22913	.31718

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

#1	3010.6	6014.3	44495.	4347.1
#2	3013.2	6016.9	44696.	4319.7
#3	3004.2	5997.9	44625.	4330.8

7.1
7

Sample Name: CRIA Acquired: 3/23/2016 9:02:19 Type: QC
 Method: 60102007_042011(v22) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0090	.2180	.0097	.2032	.0052	1.062	.0053	.0531	.0105
Stddev	.0007	.0073	.0009	.0016	.0001	.007	.0000	.0002	.0002
%RSD	7.511	3.365	8.771	.7760	1.006	.7049	.4524	.3184	1.566

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0262	.3094	10.17	5.331	.0164	.0488	10.32	.0431	.0057
Stddev	.0001	.0054	.05	.026	.0001	.0000	.00	.0001	.0003
%RSD	.5559	1.752	4.790	.4826	.7709	.0625	.0158	.2253	5.127

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046	.0097	.0036	.0531	.0101	.0099	.0099	.0495	.0214
Stddev	.0006	.0005	.0003	.0001	.0000	.0001	.0010	.0002	.0001
%RSD	12.87	5.103	8.290	.2198	.1855	.6103	9.781	.4507	.6448

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 3/23/2016 9:02:19 Type: QC
 Method: 60102007_042011(v22) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2875.3	5911.4	43508.	4292.3
Stddev	1.1	6.5	275.	39.1
%RSD	.03992	.11049	.63310	.90988

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

#1	2874.1	5904.8	43231.	4333.2
#2	2875.5	5917.9	43781.	4288.2
#3	2876.3	5911.6	43513.	4255.4

Sample Name: ICSA Acquired: 3/23/2016 9:07:26 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	500.0	-0.014	-0.005	0.000	490.8	-0.001	-0.003	-0.005
Stddev	.0002	3.6	.0006	.0002	.000	3.6	.0001	.0001	.0002
%RSD	76.09	.7220	46.04	53.88	17.46	.7242	202.8	41.24	41.48
#1	.0000	503.5	-.0007	-.0005	.0000	493.0	-.0001	-.0001	-.0006
#2	-.0004	500.3	-.0014	-.0007	.0000	492.7	.0001	-.0003	-.0003
#3	-.0003	496.3	-.0020	-.0002	.0000	486.7	-.0001	-.0003	-.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	187.5	0.512	523.9	-0.001	0.000	1524	0.000	0.003
Stddev	.0001	.1	.0310	1.0	.0000	.000	.0089	.0003	.0007
%RSD	235.5	.0367	60.60	.1903	19.61	1158.	5.811	2947.	248.9
#1	.0000	187.5	.0328	524.5	-.0001	-.0001	.1603	-.0002	-.0004
#2	.0000	187.4	.0338	522.7	-.0001	-.0002	.1428	-.0001	.0003
#3	-.0002	187.5	.0871	524.4	-.0001	-.0001	.1540	.0003	.0009

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.000	0.005	0.140	0.009	0.000	-0.007	0.011	-0.001	-0.040
Stddev	.001	.0073	.0011	.0004	.000	.0001	.0007	.0001	.0002
%RSD	2224.	1567.	7.767	39.29	3845.	13.82	66.87	132.1	4.258
#1	.0004	-.0072	.0128	.0012	-.0001	-.0006	.0018	.0000	-.0042
#2	-.0008	.0013	.0143	.0005	.0001	-.0006	.0003	-.0001	-.0040
#3	.0004	.0073	.0149	.0010	.0000	-.0008	.0011	-.0002	-.0039

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 3/23/2016 9:07:26 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2316.5	5243.1	37823.	3993.0
Stddev	10.3	18.9	41.	13.9
%RSD	.44596	.36038	.10914	.34880
#1	2328.2	5264.6	37789.	4008.7
#2	2312.2	5235.9	37812.	3982.2
#3	2308.9	5228.9	37869.	3988.2

7.1
7

Sample Name: ICSAB Acquired: 3/23/2016 9:13:51 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.065	512.8	1.080	5108	5202	505.2	9568	4700	5277
Stddev	.003	6.5	.007	.0018	.0003	4.1	.0068	.0035	.0006
%RSD	.2688	1.265	.6375	.3526	.0560	.8038	.7139	.0733	.1171
#1	1.062	505.6	1.087	5123	5199	500.7	.9647	.4740	.5274
#2	1.068	514.8	1.077	5088	5205	508.6	.9526	.4684	.5284
#3	1.065	518.0	1.075	5113	5203	506.3	.9530	.4676	.5273

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5481	193.1	1356	539.3	5249	9249	1707	9538	9625
Stddev	.0006	.6	.0170	2.3	.0005	.0055	.0108	.0052	.0056
%RSD	.1157	.2873	12.51	.4236	.0860	.5942	6.307	.5466	.5858
#1	.5475	192.5	.1445	536.7	.5250	.9313	.1594	.9598	.9686
#2	.5479	193.1	.1462	540.5	.5243	.9216	.1809	.9502	.9574
#3	.5488	193.6	.1160	540.8	.5252	.9219	.1719	.9514	.9616

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.004	9995	0.499	9383	1.032	9946	9600	4841	9713
Stddev	.007	.0063	.0010	.0064	.002	.0012	.0033	.0008	.0059
%RSD	.6651	.6328	2.091	.6798	.1465	.1196	.3449	.1667	.6057
#1	1.011	1.006	.0511	.9456	1.033	.9932	.9615	.4839	.9781
#2	.9983	.9979	.0491	.9341	1.030	.9955	.9624	.4834	.9675
#3	1.002	.9941	.0494	.9352	1.033	.9950	.9562	.4850	.9684

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 3/23/2016 9:13:51 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2301.4	5293.9	37154.	3849.9
Stddev	6.4	23.1	44.	32.7
%RSD	.27908	.43726	.11733	.84829
#1	2294.0	5267.2	37202.	3877.9
#2	2304.9	5306.9	37117.	3857.7
#3	2305.4	5307.7	37143.	3814.0

Sample Name: CCV Acquired: 3/23/2016 9:20:53 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2556	40.01	1.989	1.982	2.013	40.55	2.004	1.988	2.038
Stddev	.0002	.03	.005	.010	.009	.30	.007	.008	.004
%RSD	.0744	.0717	.2789	.5011	.4390	.7512	.3667	.3906	.1904

#1	.2554	40.04	1.995	1.973	2.022	40.89	2.012	1.997	2.043
#2	.2558	39.98	1.986	1.979	2.005	40.33	2.002	1.984	2.036
#3	.2555	40.01	1.985	1.993	2.011	40.42	1.998	1.983	2.037

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.995	39.11	40.45	40.71	2.084	1.970	40.38	2.011	1.993
Stddev	.005	.15	.19	.57	.001	.005	.12	.007	.009
%RSD	.2636	.3810	.4713	1.396	.0486	.2377	.2953	.3493	.4729

#1	1.998	39.27	40.62	41.36	2.084	1.976	40.49	2.019	2.004
#2	1.998	38.98	40.24	40.34	2.083	1.967	40.26	2.007	1.987
#3	1.989	39.09	40.48	40.42	2.085	1.968	40.40	2.007	1.989

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.983	1.985	2.453	2.031	2.012	2.043	2.012	2.044	2.022
Stddev	.005	.006	.005	.009	.004	.004	.007	.001	.010
%RSD	.2712	.2988	.1989	.4294	.1796	.1933	.3598	.0488	.4772

#1	1.988	1.991	2.459	2.041	2.015	2.042	2.021	2.044	2.033
#2	1.983	1.979	2.450	2.028	2.008	2.047	2.009	2.044	2.019
#3	1.977	1.985	2.450	2.025	2.013	2.039	2.007	2.045	2.015

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/23/2016 9:20:53 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2591.1	5720.7	42130.	4253.3
Stddev	5.8	12.0	59.	53.6
%RSD	.22196	.20930	.13966	1.2601

#1	2584.8	5707.1	42062.	4193.6
#2	2596.1	5729.7	42161.	4297.2
#3	2592.3	5725.3	42167.	4269.0

Sample Name: CCB Acquired: 3/23/2016 9:27:18 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0072	-0.0005	-0.0001	.0002	.0067	.0000	.0001	-0.0002
Stddev	.0004	.0038	.0004	.0006	.0000	.0023	.0001	.0001	.0002
%RSD	87.59	53.01	79.68	651.0	28.72	34.61	141.7	96.38	101.2

#1	.0008	.0103	-0.0007	.0002	.0002	.0074	.0001	.0000	-0.0002
#2	.0002	.0029	-0.0007	.0003	.0002	.0041	.0001	.0002	-0.0004
#3	.0002	.0083	.0000	-0.0008	.0001	.0085	.0000	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-0.0010	.0352	.0019	.0001	-0.0004	.0160	.0001	.0004
Stddev	.0003	.0012	.0245	.0057	.0000	.0002	.0084	.0000	.0004
%RSD	151.0	119.2	69.78	293.2	16.63	38.07	52.80	53.81	90.73

#1	.0002	-0.0017	.0628	-0.0017	.0002	-0.0002	.0080	.0000	.0000
#2	-0.0001	.0004	.0161	.0085	.0001	-0.0004	.0248	.0001	.0005
#3	.0006	-0.0018	.0266	-0.0010	.0001	-0.0005	.0152	.0001	.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0004	-0.0007	-0.0002	.0002	-0.0003	.0009	.0001	-0.0005
Stddev	.0005	.0005	.0006	.0001	.0000	.0000	.0008	.0001	.0001
%RSD	66.39	127.5	92.89	46.79	9.623	14.68	89.29	121.5	13.87

#1	.0004	.0006	-0.0011	-0.0002	.0002	-0.0003	.0010	.0002	-0.0004
#2	.0012	.0009	.0000	-0.0001	.0002	-0.0003	.0016	.0000	-0.0004
#3	.0005	-0.0002	-0.0009	-0.0002	.0002	-0.0003	.0000	.0002	-0.0005

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/23/2016 9:27:18 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3015.8	6022.8	44457.	4305.3
Stddev	3.0	7.1	269.	16.5
%RSD	.09999	.11854	.60467	.38431

#1	3013.7	6014.9	44520.	4287.4
#2	3014.5	6028.8	44690.	4320.1
#3	3019.3	6024.6	44163.	4308.5

Sample Name: FA32381-5 Acquired: 3/23/2016 9:31:42 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	.0004	.0752	.0053	.0672	-0.0004	244.6	-0.0006	.0000	-0.0026
Stddev	.0024	.0534	.0066	.0012	.0003	1.2	.0003	.0018	.0014
%RSD	658.6	71.07	124.6	1.744	85.25	.5034	50.34	12000.	54.53
#1	-.0017	.0581	.0008	.0675	-.0008	244.0	-.0005	.0017	-.0015
#2	-.0002	-.1351	.0129	.0681	-.0002	246.1	-.0004	-.0019	-.0021
#3	.0030	.0324	.0023	.0658	-.0002	243.9	-.0010	.0003	-.0042
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0038	1.376	5.852	50.52	.0257	-0.0066	259.6	-0.0002	.0013
Stddev	.0018	.038	.119	.36	.0012	.0008	.8	.0012	.0028
%RSD	46.35	2.760	2.029	.7118	4.522	12.21	.3117	520.1	216.1
#1	.0031	1.333	5.971	50.39	.0269	-.0075	259.2	.0002	.0006
#2	.0058	1.405	5.853	50.93	.0257	-.0059	260.5	-.0016	.0043
#3	.0025	1.391	5.733	50.25	.0246	-.0064	259.0	.0007	-.0011
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0009	.0042	15.28	-0.0025	2.385	.0011	-0.0057	-0.0009	.0741
Stddev	.0078	.0152	.03	.0023	.011	.0005	.0049	.0016	.0004
%RSD	870.7	358.9	.2242	92.25	.4435	44.28	86.97	182.8	5.271
#1	.0031	-.0057	15.24	-.0002	2.389	.0006	-.0016	.0007	.0742
#2	-.0099	-.0034	15.29	-.0049	2.393	.0016	-.0112	-.0024	.0737
#3	.0041	.0218	15.30	-.0026	2.373	.0011	-.0043	-.0009	.0745
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2832.6	5857.6	43089.	4276.8					
Stddev	9.7	16.2	145.	11.6					
%RSD	.34207	.27678	.33763	.27023					
#1	2840.4	5869.2	42923.	4276.5					
#2	2835.5	5864.5	43148.	4265.4					
#3	2821.7	5839.1	43196.	4288.5					

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Sample Name: FA32103-2F Acquired: 3/23/2016 9:36:08 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.0004	.0349	-0.0015	.1767	-0.0013	757.4	-0.0019	.0007
Stddev	.0036	.0190	.0070	.0044	.0005	6.1	.0003	.0006
%RSD	964.7	54.39	449.3	2.504	37.30	.8079	14.53	90.07
#1	.0033	.0323	-.0057	.1818	-.0008	750.9	-.0019	.0003
#2	-.0004	.0550	-.0054	.1739	-.0017	763.0	-.0022	.0004
#3	-.0040	.0173	.0065	.1745	-.0013	758.3	-.0017	.0014
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	-0.0018	.0763	7.039	637.5	2084.	.3331	-0.0080	F 13480.
Stddev	.0030	.0015	.078	2.9	23.	.0015	.0009	68.
%RSD	163.3	1.984	1.113	.4590	1.124	.4546	11.11	.5052
#1	.0016	.0758	6.949	635.8	2060.	.3345	-.0072	13550.
#2	-.0032	.0751	7.095	640.9	2107.	.3333	-.0079	13410.
#3	-.0039	.0780	7.072	635.8	2086.	.3315	-.0089	13490.
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)
Avg	.0031	.0056	.0043	-0.0195	6.003	-0.0027	11.53	.0031
Stddev	.0017	.0112	.0075	.0165	.018	.0033	.07	.0003
%RSD	53.31	201.2	176.4	84.65	.3046	122.1	.6190	10.60
#1	.0014	-.0072	.0122	-.0005	5.988	.0011	11.45	.0030
#2	.0032	.0139	.0033	-.0279	5.998	-.0052	11.58	.0035
#3	.0047	.0100	-.0027	-.0301	6.023	-.0041	11.57	.0029
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	-0.0002	-0.0001	-0.1432					
Stddev	.0124	.0031	.0002					
%RSD	5262.	2844.	.1331					
#1	.0109	.0002	.1434					
#2	.0020	.0028	.1433					
#3	-.0136	-.0033	.1430					

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Sample Name: FA32103-2F Acquired: 3/23/2016 9:36:08 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2142.0	4888.2	35053.	4031.8
Stddev	4.7	5.3	51.	33.7
%RSD	.22082	.10943	.14469	.83488
#1	2147.2	4894.1	35081.	4068.1
#2	2140.9	4887.0	34994.	4025.5
#3	2137.9	4883.6	35083.	4001.7

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Sample Name: FA32103-3F Acquired: 3/23/2016 9:40:40 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.0014	.0836	.0038	.0635	-0.0006	630.1	-0.0016	.0017
Stddev	.0033	.0827	.0078	.0023	.0007	2.1	.0002	.0013
%RSD	238.1	98.82	204.5	3.602	105.9	.3405	13.62	75.60
#1	-.0024	.0426	-.0046	.0609	-.0013	632.1	-.0014	.0005
#2	-.0040	.1788	.0051	.0644	-.0001	627.9	-.0016	.0030
#3	.0023	.0295	.0110	.0652	-.0007	630.2	-.0019	.0016
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.0095	.0079	.3880	571.7	1924.	.2391	-0.0071	F 11580.
Stddev	.0027	.0022	.0186	3.0	7.	.0009	.0013	155.
%RSD	28.47	27.91	4.789	.5265	.3547	.3673	17.79	1.338
#1	.0064	.0103	.4019	573.8	1928.	.2401	-.0057	11710.
#2	.0113	.0060	.3669	568.2	1916.	.2385	-.0073	11410.
#3	.0109	.0074	.3952	573.1	1928.	.2388	-.0083	11620.
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_3710)	(Y_3600)
Avg	.0025	.0025	.0000	-0.0030	8.221	-0.0031	10.50	.0037
Stddev	.0008	.0026	.008	.0281	.043	.0006	.03	.0008
%RSD	34.15	104.1	27530.	944.1	.5280	19.37	.2433	20.87
#1	.0035	.0046	-.0091	.0288	8.267	-.0029	10.53	.0040
#2	.0019	.0033	.0056	-.0130	8.181	-.0037	10.48	.0042
#3	.0021	-.0004	.0034	-.0247	8.216	-.0026	10.49	.0028
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	-0.0096	-0.0042	.0831					
Stddev	.0169	.0024	.0009					
%RSD	175.5	56.26	1.032					
#1	-.0133	-.0069	.0838					
#2	-.0243	-.0028	.0821					
#3	.0088	-.0029	.0833					

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Sample Name: FA32103-3F Acquired: 3/23/2016 9:40:40 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2153.4	4924.4	3500.2	4012.7
Stddev	4.9	5.4	245.	28.2
%RSD	.22905	.10962	.70071	.70258
#1	2158.9	4921.5	3499.2	3986.2
#2	2152.0	4921.0	3525.2	4042.3
#3	2149.4	4930.6	3476.2	4009.7

Sample Name: FA32103-2 Acquired: 3/23/2016 9:45:14 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	.0028	.1038	-0.0064	.1834	-0.0003	781.1	-0.0012	.0012
Stddev	.0036	.0436	.0036	.0052	.0004	3.6	.0005	.0010
%RSD	129.3	42.06	55.96	2.832	155.0	.4559	43.56	79.28
#1	.0022	.1115	-0.0067	.1797	.0002	777.7	-0.0011	.0007
#2	-0.0005	.0568	-0.0098	.1812	-0.0006	780.7	-0.0017	.0006
#3	.0067	.1430	-0.0027	.1894	-0.0005	784.8	-0.0007	.0024
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	-0.0005	.0038	9.434	660.3	2156.	.3334	-0.0077	F 12100.
Stddev	.0027	.0030	.051	3.7	16.	.0018	.0011	60.
%RSD	576.2	80.86	.5360	.5648	.7222	.5480	14.46	.4973
#1	-0.0024	.0003	9.385	656.4	2138.	.3317	-0.0064	12040.
#2	-0.0026	.0062	9.432	660.7	2159.	.3353	-0.0084	12150.
#3	-0.0016	.0048	9.486	663.8	2169.	.3332	-0.0083	12110.
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sr4077	Ti3349	
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	
Avg	.0009	-0.0010	.0022	-0.1000	6.219	-0.0025	11.85	
Stddev	.0021	.0069	.0082	.0038	.001	.0035	.06	
%RSD	234.2	655.7	376.5	38.07	.0177	140.0	.5402	
#1	-0.0008	-0.0090	.0090	-0.1111	6.218	-0.0010	11.79	
#2	.0003	.0035	-0.0069	-0.1030	6.220	-0.0065	11.86	
#3	.0033	.0023	.0043	-0.0057	6.219	.0000	11.91	
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	-0.0074	.0011	-0.1045					
Stddev	.0083	.0024	.0006					
%RSD	111.2	212.9	.5357					
#1	-0.0041	.0036	.1040					
#2	-0.0014	.0010	.1044					
#3	-0.0168	-0.012	.1051					

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Sample Name: FA32103-2 Acquired: 3/23/2016 9:45:14 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2134.8	4871.7	3460.5	3906.9
Stddev	.4	7.2	189.	34.0
%RSD	.01886	.14725	.54541	.87039
#1	2135.1	4880.0	3477.6	3941.5
#2	2135.0	4867.6	3463.7	3905.6
#3	2134.4	4867.6	3440.3	3873.6

Sample Name: FA32103-3 Acquired: 3/23/2016 9:49:47 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	.0011	.0827	-0.0069	.0587	-0.0008	588.2	-0.0016	.0006
Stddev	.0058	.0178	.0052	.0044	.0012	1.1	.0007	.0017
%RSD	521.8	21.56	75.60	7.464	137.3	.1947	44.82	269.1
#1	.0001	.1031	-0.0010	.0630	-0.0010	589.1	-0.0009	.0019
#2	.0073	.0706	-0.0091	.0588	-0.0019	588.6	-0.0017	.0013
#3	-0.0041	.0743	-0.1008	.0542	.0004	586.9	-0.0023	-0.0013
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.0059	.0050	2.400	541.8	1804.	.2277	-0.0085	F 10520.
Stddev	.0027	.0029	.004	.7	2.	.0014	.0003	120.
%RSD	45.74	57.69	.1814	.1317	.1034	.5936	3.363	1.141
#1	.0031	.0033	2.399	541.3	1803.	.2269	-0.0083	10470.
#2	.0084	.0033	2.396	542.6	1803.	.2293	-0.0085	10420.
#3	.0061	.0083	2.405	541.5	1806.	.2270	-0.0088	10650.
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sr4077	Ti3349	
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	
Avg	.0019	-0.0099	.0067	.0056	7.711	-0.0025	9.810	
Stddev	.0004	.0004	.0094	.0099	.011	.0033	.020	
%RSD	21.38	4.013	139.7	175.5	.1387	133.7	.2047	
#1	.0021	-.0103	.0029	.0016	7.701	-0.0004	9.823	
#2	.0022	-.0095	-0.0020	.0169	7.722	-0.0008	9.821	
#3	.0015	-.0097	.0174	-.0016	7.709	-0.0063	9.787	
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	-0.108	-0.0038	-0.1023					
Stddev	.0134	.0046	.0004					
%RSD	123.9	121.4	.4195					
#1	-0.0251	-0.0044	.1019					
#2	-0.0087	.0011	.1023					
#3	.0014	-0.0081	.1028					

Sample Name: FA32103-3 Acquired: 3/23/2016 9:49:47 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2184.1	4934.4	35371.	3955.6
Stddev	2.0	17.6	90.	2.7
%RSD	.09253	.35610	.25446	.06802
#1	2185.9	4953.3	35431.	3954.0
#2	2181.9	4918.5	35267.	3954.1
#3	2184.4	4931.5	35414.	3958.7

Sample Name: JC16359-3 Acquired: 3/23/2016 9:54:20 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0036	73.92	16.16	2.811	.0071	11.80	.0012	.0934	.2299
Stddev	.0003	.05	.0008	.0020	.0002	.04	.0001	.0002	.0010
%RSD	7.737	.0685	.5157	.7061	3.309	.3563	7.539	.1938	.4469
#1	-.0033	73.88	.1624	.2825	.0073	11.80	.0011	.0933	.2288
#2	-.0037	73.91	.1608	.2789	.0069	11.75	.0013	.0936	.2309
#3	-.0039	73.98	.1617	.2820	.0070	11.84	.0013	.0933	.2299
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2610	552.4	22.74	37.86	2.976	.0211	2.600	.2004	.0637
Stddev	.0011	1.3	.07	.13	.006	.0003	.037	.0002	.0030
%RSD	.4166	.2428	.2978	.3424	.2069	1.527	1.414	.0938	4.683
#1	.2623	552.4	22.74	37.86	2.971	.0209	2.639	.2002	.0617
#2	.2603	551.1	22.66	38.12	2.974	.0215	2.595	.2003	.0622
#3	.2606	553.8	22.80	38.01	2.983	.0210	2.566	.2006	.0671
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0056	-0.0066	2.253	.0232	.1592	2.254	-0.041	.6370	.8312
Stddev	.0018	.0036	.004	.0004	.0008	.006	.0007	.0013	.0021
%RSD	32.21	54.45	.1796	1.648	.4917	.2660	15.90	.2077	.2512
#1	.0040	-.0107	2.255	.0229	.1593	2.252	-.0034	.6360	.8331
#2	.0076	-.0047	2.249	.0231	.1584	2.260	-.0046	.6385	.8289
#3	.0053	-.0043	2.256	.0237	.1599	2.248	-.0043	.6364	.8315
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2818.9	6259.9	46769.	4660.8					
Stddev	2.8	10.5	100.	18.8					
%RSD	.10030	.16815	.21352	.40351					
#1	2812.6	6262.2	46731.	4682.5					
#2	2819.2	6269.0	46694.	4649.5					
#3	2816.0	6248.4	46883.	4650.4					

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Sample Name: JC16359-6 Acquired: 3/23/2016 9:58:38 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.0044	127.5	.1226	.4410	.0162	10.38	.0009	.1055	.6706
Stddev	.0011	.5	.0011	.0027	.0000	.05	.0004	.0001	.0009
%RSD	24.64	.3820	.8932	.6077	.2806	.5157	46.28	.0836	.1369
#1	-.0051	127.1	.1224	.4394	.0162	10.32	.0011	.1055	.6714
#2	-.0051	127.4	.1238	.4395	.0162	10.43	.0004	.1055	.6696
#3	-.0032	128.1	.1217	.4441	.0161	10.39	.0011	.1056	.6708
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2427	734.9	16.99	29.41	3.020	.0109	1.593	.2402	.1045
Stddev	.0018	2.5	.14	.34	.004	.0002	.004	.0004	.0017
%RSD	.7293	.3354	.8422	1.150	.1169	1.723	.2647	.1840	1.588
#1	.2409	732.1	16.90	29.02	3.023	.0107	1.588	.2400	.1035
#2	.2444	736.7	16.92	29.56	3.016	.0110	1.596	.2399	.1035
#3	.2427	735.8	17.16	29.65	3.021	.0111	1.595	.2407	.1064
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0066	-0.0022	3.700	.0252	.0996	2.194	-0.0024	.5893	.8246
Stddev	.0005	.0022	.008	.0005	.0003	.006	.0038	.0014	.0012
%RSD	7.935	99.48	.2210	1.956	.2535	.2622	160.4	.2405	.1467
#1	.0063	-.0047	3.698	.0250	.0994	2.194	.0009	.5903	.8241
#2	.0063	-.0007	3.692	.0258	.0996	2.199	-.0015	.5899	.8260
#3	.0072	-.0012	3.708	.0248	.0999	2.188	-.0066	.5876	.8237
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2824.6	6404.8	47489.	4670.3					
Stddev	4.3	13.3	151.	37.5					
%RSD	.15185	.20824	.31789	.80304					
#1	2820.8	6390.2	47322.	4708.6					
#2	2823.6	6416.4	47531.	4668.8					
#3	2829.2	6407.8	47615.	4633.6					

Sample Name: JC16359-8 Acquired: 3/23/2016 10:07:12 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0046	87.00	1.862	.2635	.0133	3.506	.0022	.0887	.4777
Stddev	.0004	.35	.0008	.0007	.0001	.028	.0001	.0002	.0018
%RSD	8.099	.4079	.4301	.2622	.9166	.8111	3.547	.2689	.3801
#1	-.0046	87.40	.1860	.2643	.0134	3.535	.0022	.0889	.4788
#2	-.0049	86.82	.1870	.2630	.0134	3.478	.0023	.0884	.4756
#3	-.0042	86.76	.1855	.2632	.0132	3.505	.0022	.0887	.4787
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5181	702.1	11.61	27.61	2.566	.0310	1.337	.2098	.0949
Stddev	.0024	3.8	.05	.19	.005	.0002	.009	.0002	.0007
%RSD	.4600	.5392	.4695	.6711	.1972	.7210	.6796	.0805	.7651
#1	.5207	706.5	11.67	27.76	2.560	.0312	1.336	.2097	.0956
#2	.5175	699.6	11.56	27.40	2.570	.0310	1.328	.2097	.0950
#3	.5161	700.4	11.62	27.68	2.568	.0307	1.346	.2100	.0941
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0054	-0.0003	2.523	.0294	.0940	1.237	-0.0022	.6360	.9404
Stddev	.0007	.0025	.004	.0006	.0003	.000	.0021	.0019	.0024
%RSD	12.37	917.2	.1775	1.970	.2910	.0321	92.35	.2926	.2569
#1	.0052	-.0018	2.522	.0298	.0940	1.237	-.0043	.6340	.9377
#2	.0048	-.0016	2.520	.0287	.0943	1.237	-.0022	.6366	.9423
#3	.0061	.0026	2.529	.0295	.0938	1.238	-.0002	.6375	.9412
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2860.2	6199.7	46384.	4501.8					
Stddev	4.6	7.3	98.	36.6					
%RSD	.16097	.11731	.21230	.81327					
#1	2855.0	6195.7	46270.	4459.6					
#2	2863.7	6208.1	46444.	4524.7					
#3	2861.9	6195.4	46437.	4521.1					

Sample Name: JC16386-3 Acquired: 3/23/2016 10:11:29 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0038	55.41	1528	2374	0.0073	1.913	0.007	0.0863	1.986
Stddev	.0005	.38	.0006	.0015	.0002	.005	.0005	.0002	.0011
%RSD	14.03	.6829	.3710	.6294	2.591	.2861	77.02	.2469	.5553
#1	-.0032	55.55	.1531	.2371	.0072	1.909	.0005	.0862	1.975
#2	-.0039	55.70	.1531	.2390	.0075	1.910	.0003	.0865	1.997
#3	-.0042	54.98	.1521	.2361	.0072	1.919	.0013	.0861	1.986
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.273	566.7	9.298	20.24	3.150	0.211	8.071	1.150	0.615
Stddev	.0003	2.9	.007	.09	.013	.0003	.0172	.0005	.0011
%RSD	.1297	.5200	.0793	.4588	.4019	1.243	2.133	.3251	1.744
#1	.2275	567.8	9.293	20.21	3.137	.0208	.7940	.1545	.0627
#2	.2270	568.9	9.293	20.34	3.162	.0213	.8007	.1548	.0606
#3	.2275	565.3	9.306	20.16	3.150	.0211	.8266	.1555	.0612
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(In2306)
Avg	0.0053	-0.0024	2.999	0.242	0.0467	1.023	-0.0039	4.843	0.6268
Stddev	.0004	.0048	.006	.0006	.0002	.001	.0024	.0013	.0006
%RSD	7.006	199.7	.2034	2.520	.4395	.1232	62.88	.2669	.0939
#1	.0054	.0022	2.992	.0248	.0468	1.021	-.0022	.4834	.6263
#2	.0049	-.0021	3.001	.0236	.0469	1.023	-.0066	.4858	.6274
#3	.0057	-.0073	3.004	.0243	.0465	1.023	-.0028	.4837	.6267
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2879.6	6275.7	47126	4584.5					
Stddev	3.9	3.6	125.	33.7					
%RSD	.13545	.05789	.26627	.73519					
#1	2882.8	6278.8	47248.	4567.4					
#2	2880.7	6271.7	47132.	4562.8					
#3	2875.2	6276.7	46998.	4623.4					

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Sample Name: CCV Acquired: 3/23/2016 10:15:48 Type: QC
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2575.3	5640.0	42080.	4143.0
Stddev	6.9	8.2	372.	15.4
%RSD	.26925	.14620	.88443	.37284
#1	2581.5	5648.9	41691.	4148.8
#2	2576.6	5632.6	42432.	4154.8
#3	2567.8	5638.5	42118.	4125.5

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Sample Name: CCV Acquired: 3/23/2016 10:15:48 Type: QC
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.592	40.61	2.011	2.019	2.008	40.65	2.043	2.033	2.055
Stddev	.0009	.05	.002	.005	.006	.15	.005	.005	.011
%RSD	.3449	.1289	.0858	.2265	.3070	.3783	.2252	.2240	.5252
#1	.2588	40.65	2.011	2.024	2.015	40.83	2.043	2.035	2.067
#2	.2602	40.55	2.013	2.017	2.004	40.57	2.047	2.037	2.045
#3	.2586	40.62	2.009	2.016	2.005	40.55	2.038	2.028	2.054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.022	39.19	40.81	40.59	2.081	2.015	40.56	2.039	2.009
Stddev	.006	.15	.24	.09	.004	.003	.15	.005	.004
%RSD	.2784	.3776	.5986	.2259	.1690	.1645	.3618	.2396	.2017
#1	2.024	39.36	41.08	40.70	2.085	2.017	40.72	2.040	2.010
#2	2.026	39.09	40.72	40.53	2.078	2.016	40.49	2.043	2.005
#3	2.016	39.13	40.62	40.56	2.080	2.011	40.45	2.033	2.013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.001	2.011	2.482	2.051	2.021	2.044	2.019	2.042	2.055
Stddev	.007	.010	.005	.004	.009	.005	.003	.004	.006
%RSD	.3638	.5032	.1858	.2102	.4213	.2452	.1224	.1777	.2973
#1	2.008	2.020	2.486	2.050	2.030	2.049	2.017	2.046	2.055
#2	2.001	2.011	2.482	2.056	2.019	2.040	2.021	2.041	2.062
#3	1.993	2.000	2.477	2.048	2.014	2.018	2.018	2.039	2.049
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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Sample Name: CCB Acquired: 3/23/2016 10:20:00 Type: QC
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.001	0.008	0.001	0.001	0.002	0.093	0.001	0.001	-0.002
Stddev	.0003	.0084	.0006	.0004	.0001	.0014	.0000	.0001	.0001
%RSD	291.3	1028.	387.1	708.5	36.74	15.19	60.65	143.4	34.83
#1	.0002	.0104	-.0005	-.0004	.0004	.0094	.0001	.0001	-.0003
#2	.0003	-.0050	.0005	.0001	.0002	.0107	.0000	.0000	-.0001
#3	-.0003	-.0030	.0004	.0004	.0002	.0078	.0000	.0001	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.132	0.1077	-0.0028	0.002	0.002	0.778	0.001	0.006
Stddev	.0001	.0051	.0553	.0183	.0000	.0002	.0157	.0001	.0002
%RSD	81.80	38.72	51.35	651.5	12.31	130.6	20.17	57.77	38.66
#1	-.0002	.0190	.0857	.0177	.0002	.0004	.0957	.0002	.0008
#2	-.0001	.0094	.1707	-.0086	.0002	.0002	.0711	.0000	.0004
#3	.0000	.0113	.0669	-.0175	.0002	.0000	.0665	.0002	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.003	0.003	0.004	-0.003	0.004	0.001	-0.009	0.003	-0.005
Stddev	.0005	.0001	.0000	.0001	.0001	.0001	.0005	.0001	.0001
%RSD	159.3	42.53	11.22	48.07	29.25	125.5	49.75	23.95	11.33
#1	.0007	.0003	.0004	-.0003	.0003	.0002	-.0005	.0004	-.0004
#2	.0005	.0002	.0004	-.0002	.0005	.0001	-.0014	.0003	-.0005
#3	-.0002	.0004	.0005	-.0005	.0003	.0000	-.0009	.0004	-.0005
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 3/23/2016 10:20:00 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2993.3	5889.4	44242.	4183.4
Stddev	1.8	14.2	46.	17.4
%RSD	.06058	.24173	.10496	.41695
#1	2993.7	5875.5	44254.	4203.5
#2	2991.3	5888.7	44191.	4173.0
#3	2994.9	5903.9	44281.	4173.5

Sample Name: JC16386-4 Acquired: 3/23/2016 10:24:30 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0032	91.83	1842.	4704.	0.0080	5.457	-0.0006	1.027	2.872
Stddev	.0012	.23	.0004	.0018	.0001	.030	.0002	.0003	.0013
%RSD	36.77	.2474	.2217	.3896	.9963	.5543	31.24	.2967	.4591
#1	-0.019	91.57	1845.	4682.	.0079	5.460	-0.0004	1.023	2.859
#2	-0.041	91.99	1838.	4713.	.0080	5.425	-0.0007	1.030	2.885
#3	-0.037	91.93	1844.	4715.	.0080	5.485	-0.0006	1.027	2.871
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(In2306)
Avg	2.564	505.4	15.81	44.14	3.547	0.187	1.437	2.333	0.917
Stddev	.0002	1.6	.07	.17	.005	.0003	.008	.0005	.0034
%RSD	.0849	.3192	.4509	.3848	.1547	1.337	.5875	.2060	3.705
#1	.2562	503.7	15.74	43.95	3.541	0.186	1.433	2.336	0.949
#2	.2566	505.5	15.83	44.18	3.551	0.190	1.432	2.328	0.921
#3	.2564	506.9	15.88	44.28	3.550	0.186	1.447	2.337	0.881
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0080	-0.0029	3.011	0.0210	0.1003	1.869	-0.0019	4.107	7.945
Stddev	.0005	.0014	.004	.0003	.0002	.003	.0035	.0006	.0009
%RSD	6.546	48.70	.1392	1.266	.2032	.1787	183.2	1.422	1.179
#1	0.0086	-0.0044	3.007	0.0210	0.1004	1.868	-0.0020	4.104	7.948
#2	0.0076	-0.0017	3.015	0.0207	0.1000	1.872	0.0016	4.114	7.952
#3	0.0078	-0.0025	3.011	0.0212	0.1003	1.866	-0.0054	4.105	7.934
Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710					
Stddev	2812.0	6138.0	45962.	4515.0					
%RSD	5.4	2.2	182.	29.7					
#1	2817.4	6136.5	46094.	4539.0					
#2	2806.7	6140.5	45754.	4524.1					
#3	2811.9	6137.1	46037.	4481.9					

Sample Name: FA32351-1 Acquired: 3/23/2016 10:28:49 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 20.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.0184	909.9	1.1137	8.653	0.0524	102.2	-0.0028	0.0542	4.286
Stddev	.0029	2.9	.0148	.029	.0006	.5	.0003	.0019	.012
%RSD	15.99	.3191	13.06	.3374	1.167	4.464	10.94	3.417	2.772
#1	-0.0157	912.7	1.099	8.686	0.0519	102.7	-0.0031	0.0555	4.281
#2	-0.0181	906.9	1.300	8.630	0.0531	101.8	-0.0025	0.0550	4.300
#3	-0.0215	910.2	1.011	8.643	0.0521	102.0	-0.0027	0.0521	4.278
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0670	375.8	18.31	50.34	2.112	0.160	3.166	2.246	6.723
Stddev	.0019	1.1	.31	.45	.0002	.0019	.072	.0034	.0095
%RSD	2.890	.2979	1.705	.8914	.1113	12.09	2.276	1.494	1.418
#1	0.0662	376.9	18.47	50.47	.2113	0.1039	3.248	2.261	6.708
#2	0.0656	374.6	18.51	49.84	.2114	0.1065	3.113	2.269	6.637
#3	0.0692	375.9	17.95	50.71	.2110	0.1077	3.137	2.208	6.826
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0294	-0.0127	7.847	0.0274	17.15	1.234	-0.0374	1.587	5.635
Stddev	.0125	.0346	.026	.0056	.06	.004	.0186	.008	.0013
%RSD	42.34	272.3	.3259	20.47	.3357	2.801	49.77	5.083	2.350
#1	-0.0202	0.0169	7.818	0.0301	17.21	1.234	-0.0286	1.581	5.649
#2	-0.0246	-0.0507	7.867	0.0210	17.10	1.237	-0.0248	1.596	5.632
#3	-0.0436	-0.0043	7.855	0.0312	17.13	1.230	-0.0587	1.584	5.623
Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710					
Stddev	2884.7	6576.2	49355.	4753.5					
%RSD	3.9	8.0	121.	46.0					
#1	2884.8	6576.9	49439.	4731.1					
#2	2880.6	6567.8	49217.	4806.5					
#3	2888.5	6583.9	49410.	4723.0					

Sample Name: FA32351-2 Acquired: 3/23/2016 10:33:08 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 20.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0044	515.4	0.742	4.613	0.185	81.47	-0.0016	0.056	1.477
Stddev	.0057	1.9	.0059	.014	.0004	.25	.0005	.0018	.008
%RSD	128.2	.3724	7.902	3.114	2.104	.3115	30.20	11.33	5.614
#1	-0.0092	514.6	0.809	4.598	0.185	81.35	-0.0017	0.075	1.474
#2	0.0018	513.9	0.700	4.615	0.181	81.29	-0.0021	0.041	1.487
#3	-0.0059	517.5	0.716	4.626	0.189	81.76	-0.0011	0.052	1.471
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0727	55.78	16.01	12.63	0.798	0.149	1.981	1.110	7.483
Stddev	.0032	.18	.65	.19	.0004	.0010	.110	.0028	.0017
%RSD	4.441	.3238	4.075	1.508	.5518	7.032	5.530	2.506	2.260
#1	0.0721	55.64	15.28	12.83	0.793	0.147	2.096	1.132	7.463
#2	0.0699	55.73	16.55	12.45	0.799	0.140	1.970	1.119	7.491
#3	0.0762	55.99	16.18	12.62	0.802	0.160	1.878	1.078	7.494
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0181	-0.0187	4.764	0.0134	11.90	3.978	-0.0180	9.535	1.953
Stddev	.0179	.0090	.030	0.0104	.03	.0020	0.078	.0015	.0015
%RSD	98.85	48.20	6.300	78.13	2.551	.5127	98.34	1.621	7.564
#1	0.0013	-0.0135	4.751	0.0233	11.88	3.999	-0.0033	9.535	1.937
#2	-0.0340	-0.0291	4.799	0.0225	11.89	3.977	-0.0131	9.551	1.957
#3	-0.0218	-0.0135	4.743	0.0144	11.94	3.958	-0.0378	9.520	1.966
Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710					
Stddev	2936.3	6571.8	48886.	4742.6					
%RSD	7.2	7.7	168.	40.4					
#1	2931.6	6573.2	48999.	4763.2					
#2	2932.8	6563.5	48693.	4768.5					
#3	2944.6	6578.7	48967.	4696.1					

Sample Name: FA32351-3 Acquired: 3/23/2016 10:37:30 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 20.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.024	14.04	-0.211	0.632	0.012	7011.	0.075	0.087	2.345
Stddev	0.096	.24	.0148	.0089	.0022	81.	.0008	.0030	.0036
%RSD	410.0	1.686	69.85	14.17	176.9	1.162	10.19	34.39	1.553
#1	-0.074	13.79	-0.367	.0717	-.0003	7057.	.0080	.0059	.2304
#2	.0088	14.27	-.0193	.0638	.0037	7059.	.0066	.0084	.2372
#3	-.0084	14.07	-.0074	.0539	.0002	6917.	.0079	.0119	.2360
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.140	8.748	3.515	57.81	7.824	-0.135	3.835	0.446	0.245
Stddev	.0017	.064	.229	.56	.0061	.0015	.143	.0017	.0209
%RSD	12.31	.7265	6.520	.9706	.7834	10.80	3.740	3.903	85.17
#1	.0121	8.775	3.629	57.18	.7765	-.0124	3.943	.0437	.0285
#2	.0154	8.793	3.251	58.27	.7821	-.0152	3.890	.0467	.0432
#3	.0147	8.675	3.666	57.97	.7887	-.0131	3.672	.0436	.0019
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(In2306)
Avg	-0.258	-0.383	3.117	0.108	5.726	0.1239	0.000	0.2275	0.1572
Stddev	.0186	.0224	.020	.0034	.030	.0040	.016	.0011	.0013
%RSD	71.99	58.36	6.500	31.27	5.274	3.259	7999.0	.4861	80.12
#1	-.0454	-.0125	3.095	.0103	5.755	.1283	.0166	.2288	.1565
#2	-.0084	-.0501	3.135	.0077	5.729	.1230	-.0158	.2267	.1587
#3	-.0236	-.0524	3.120	.0144	5.695	.1204	-.0009	.2271	.1565
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2562.5	5501.1	40815.	4141.9					
Stddev	.7	4.5	58.	41.0					
%RSD	.02574	.08132	.14111	.99036					
#1	2562.3	5502.2	40824.	4146.7					
#2	2562.0	5496.2	40753.	4098.7					
#3	2563.2	5504.9	40868.	4180.3					

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Sample Name: JC16359-7 Acquired: 3/23/2016 10:42:58 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 4.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.062	102.5	3.227	4.336	0.137	6.366	-0.019	1.386	4.811
Stddev	.0011	.4	.0022	.0016	.0002	.059	.0002	.0006	.0024
%RSD	17.89	.3695	6.881	.3618	1.488	.9335	13.05	.4292	4.989
#1	-.0049	102.6	3.236	4.318	.0139	6.401	-.0021	1.392	4.785
#2	-.0070	102.1	3.202	4.347	.0137	6.297	-.0016	1.385	4.832
#3	-.0066	102.9	3.243	4.344	.0135	6.399	-.0020	1.380	4.816
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5.426	906.0	17.04	31.43	2.890	0.296	2.886	3.490	2.088
Stddev	.0020	2.7	.16	.18	.009	.0003	.004	.0011	.0022
%RSD	.3765	.3034	.9413	.5648	.2981	1.036	.1567	.3154	1.068
#1	5.407	907.6	17.11	31.62	2.890	.0293	2.886	3.490	2.088
#2	5.424	902.9	16.86	31.27	2.899	.0296	2.890	3.471	2.044
#3	5.448	907.6	17.16	31.40	2.882	.0299	2.881	3.491	2.064
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(In2306)
Avg	0.121	-0.126	4.125	0.0510	2.406	1.622	-0.0018	0.7236	1.012
Stddev	.0027	.0022	.010	.0014	.0013	.004	.0019	.0022	.003
%RSD	21.85	17.51	2.460	2.779	.5506	.2215	100.7	.3056	.2581
#1	.0136	-.0107	4.115	.0523	.2411	1.619	-.0006	.7217	1.015
#2	.0137	-.0120	4.125	.0511	.2391	1.626	-.0009	.7261	1.011
#3	.0091	-.0150	4.136	.0495	.2416	1.621	-.0040	.7230	1.011
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2866.2	6136.6	45889.	4396.9					
Stddev	2.0	11.2	209.	38.3					
%RSD	.06927	.18186	.45587	.87179					
#1	2868.0	6149.5	45966.	4365.6					
#2	2866.6	6131.2	45652.	4439.6					
#3	2864.1	6129.2	46048.	4385.5					

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7.1
7

Sample Name: CCV Acquired: 3/23/2016 10:47:19 Type: QC
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.607	40.87	2.026	2.045	2.012	40.72	2.067	2.063	2.059
Stddev	.0003	.11	.004	.008	.004	.06	.004	.000	.013
%RSD	.1221	.2748	.2110	.3890	.1921	.1386	.1737	.0196	.6188
#1	.2609	40.80	2.022	2.043	2.011	40.68	2.067	2.063	2.072
#2	.2603	41.00	2.025	2.054	2.016	40.78	2.063	2.063	2.057
#3	.2609	40.81	2.031	2.038	2.008	40.69	2.070	2.064	2.047

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.031	39.36	40.99	40.41	2.084	2.045	40.73	2.058	2.018
Stddev	.004	.14	.20	.09	.005	.003	.14	.003	.002
%RSD	.2193	.3602	.4937	.2308	.2406	.1594	.3378	.1222	.1169
#1	2.036	39.30	40.97	40.35	2.090	2.041	40.67	2.057	2.020
#2	2.029	39.52	41.21	40.52	2.083	2.046	40.88	2.056	2.015
#3	2.029	39.25	40.81	40.37	2.080	2.048	40.62	2.061	2.018

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.028	2.033	2.519	2.065	2.019	2.033	2.029	2.040	2.062
Stddev	.006	.008	.005	.003	.009	.007	.005	.005	.005
%RSD	.3218	.3897	.2010	.1544	.4369	.3348	.2403	.2345	.2492
#1	2.020	2.025	2.513	2.062	2.016	2.041	2.033	2.045	2.064
#2	2.031	2.033	2.522	2.063	2.028	2.032	2.023	2.036	2.056
#3	2.032	2.041	2.521	2.068	2.011	2.027	2.030	2.039	2.065

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

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Sample Name: CCV Acquired: 3/23/2016 10:47:19 Type: QC
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2558.3	5572.4	42190.	4134.5
Stddev	2.8	6.1	331.	11.9
%RSD	.10958	.10940	.78538	.28734
#1	2556.7	5573.8	41809.	4146.8
#2	2561.6	5577.7	42408.	4123.1
#3	2556.7	5565.7	42354.	4133.6

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Sample Name: CCB Acquired: 3/23/2016 10:51:29 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0088	.0000	.0000	.0003	.0076	.0000	.0001	-0.001
Stddev	.000	.0175	.0006	.0001	.0001	.0004	.0000	.0001	.0001
%RSD	14610.	198.9	6639.	179.0	29.76	5.814	126.3	85.46	104.7
#1	-.0002	.0286	.0002	.0001	.0005	.0080	.0000	.0003	-0.001
#2	.0003	-.0043	.0005	.0000	.0003	.0077	.0001	.0001	-0.003
#3	-.0001	.0020	-.0007	.0000	.0003	.0071	.0000	.0000	-0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0084	.0733	-.0118	.0002	.0003	.0665	.0000	.0005
Stddev	.0002	.0034	.0506	.0360	.0000	.0002	.0100	.0002	.0009
%RSD	68.69	40.49	68.97	304.8	7.340	64.57	15.01	36380.	175.1
#1	.0003	.0109	.0888	.0295	.0002	.0004	.0583	.0002	.0001
#2	.0004	.0097	.1144	-.0363	.0002	.0003	.0634	-.0002	.0015
#3	.0001	.0045	.0168	-.0286	.0002	.0001	.0776	.0000	-0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0003	.0005	-.0002	.0003	.0000	-.0003	.0001	-0.0005
Stddev	.0003	.0011	.0006	.0001	.0001	.0001	.0003	.0001	.0001
%RSD	54.57	384.6	123.8	61.02	35.54	168.8	111.2	91.66	14.03
#1	.0002	-.0009	.0012	-.0002	.0004	.0001	.0000	.0000	-.0005
#2	.0004	.0013	.0002	-.0002	.0003	.0001	-.0002	.0001	-.0004
#3	.0008	.0005	.0001	-.0001	.0002	.0000	-.0006	.0002	-.0004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/23/2016 10:51:29 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2977.2	5895.2	44408.	4269.7
Stddev	3.4	12.9	120.	25.0
%RSD	.11497	.21921	.27027	.58457
#1	2980.7	5908.8	44360.	4242.8
#2	2973.9	5883.0	44544.	4274.2
#3	2977.0	5893.8	44319.	4292.1

7.1
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Sample Name: MP30157-MB1 Acquired: 3/23/2016 11:13:05 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0047	-.0011	-.0002	.0000	.0079	-.0001	-.0001	-.0004
Stddev	.0003	.0102	.0005	.0003	.000	.0016	.0000	.0001	.0001
%RSD	572.4	216.8	48.40	149.0	68.44	19.87	1.195	97.18	20.56
#1	-.0004	.0138	-.0016	.0000	.0000	.0097	-.0001	-.0002	-.0005
#2	.0001	-.0063	-.0005	.0000	-.0001	.0069	-.0001	.0000	-.0003
#3	.0002	.0065	-.0013	-.0005	.0000	.0070	-.0001	-.0001	-.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0027	-.0051	.0085	.0009	.0000	-.0006	.0557	-.0001	.0005
Stddev	.0002	.0008	.0046	.0157	.000	.0001	.0085	.0001	.0005
%RSD	7.980	15.46	54.52	1740.	84.17	13.98	15.32	97.53	105.4
#1	.0026	-.0058	.0052	.0113	.0000	-.0006	.0507	-.0001	.0005
#2	.0030	-.0054	.0065	-.0172	.0000	-.0007	.0509	-.0001	.0000
#3	.0026	-.0043	.0137	.0086	.0000	-.0006	.0656	.0000	.0010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	-.0023	.0059	-.0003	-.0001	-.0004	-.0010	.0000	.0011
Stddev	.0002	.0009	.0001	.0001	.0002	.0001	.0014	.000	.0001
%RSD	59.69	38.01	1.861	43.61	289.4	13.34	145.9	242.0	6.208
#1	-.0004	-.0032	.0060	-.0002	.0001	-.0004	-.0002	.0000	.0010
#2	-.0001	-.0015	.0058	-.0004	-.0001	-.0005	-.0001	-.0001	.0011
#3	-.0004	-.0021	.0058	-.0003	-.0002	-.0004	-.0026	.0000	.0010

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30157-MB1 Acquired: 3/23/2016 11:13:05 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2974.8	5887.3	44562.	4194.1
Stddev	7.3	15.8	83.	10.9
%RSD	.24597	.26829	.18688	.25965
#1	2982.6	5899.9	44652.	4203.0
#2	2973.6	5892.5	44546.	4197.5
#3	2968.1	5869.6	44488.	4182.0

Sample Name: MP30157-B1 Acquired: 3/23/2016 11:17:33 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0503	30.09	2.076	2.151	.0545	27.93	.0541	.5361	.2209
Stddev	.0003	.04	.004	.003	.0002	.04	.0001	.0006	.0007
%RSD	.6532	.1480	.1874	.1363	.3896	.1442	.2430	.1172	.3164
#1	.0500	30.04	2.080	2.151	.0543	27.97	.0541	.5368	.2203
#2	.0506	30.12	2.075	2.149	.0546	27.92	.0539	.5355	.2216
#3	.0504	30.11	2.072	2.154	.0547	27.89	.0542	.5360	.2206

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2745	28.73	27.89	28.29	.5620	.5260	27.89	.5442	.5166
Stddev	.0004	.06	.02	.07	.0019	.0006	.04	.0006	.0041
%RSD	.1299	.2007	.0638	.2371	.3339	.1136	.1607	.1096	.8016
#1	.2741	28.78	27.88	28.30	.5599	.5267	27.89	.5449	.5211
#2	.2745	28.67	27.91	28.34	.5631	.5256	27.85	.5438	.5129
#3	.2748	28.75	27.88	28.21	.5631	.5257	27.93	.5440	.5156

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5260	2.088	.0217	.5450	.5228	.5414	2.074	.5134	.5434
Stddev	.0033	.009	.0006	.0017	.0015	.0019	.004	.0020	.0024
%RSD	.6179	.4443	2.624	.3056	.2786	.3539	.1737	.3941	.4330
#1	.5252	2.080	.0211	.5469	.5229	.5392	2.077	.5111	.5461
#2	.5296	2.084	.0221	.5437	.5213	.5429	2.070	.5149	.5418
#3	.5233	2.098	.0221	.5443	.5242	.5420	2.075	.5142	.5422

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

7.1
7

Sample Name: MP30157-B1 Acquired: 3/23/2016 11:17:33 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2652.7	5622.0	41624.	4020.3
Stddev	1.5	8.7	32.	12.8
%RSD	.05487	.15540	.07802	.31821
#1	2652.8	5624.3	41659.	4006.4
#2	2654.1	5612.3	41620.	4022.9
#3	2651.2	5629.4	41594.	4031.6

Sample Name: FA32398-1 Acquired: 3/23/2016 11:21:46 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0000	.0660	-0.0003	.0094	.0000	33.97	.0000	.0001	.0005
Stddev	.0003	.0147	.0001	.0002	.000	.18	.0000	.0001	.0001
%RSD	1888.	22.22	26.70	2.640	112.3	.5246	49.34	97.50	18.81
#1	.0002	.0719	-0.0003	.0094	.0000	33.77	.0001	.0001	.0005
#2	.0002	.0768	-0.0004	.0091	.0000	34.12	.0000	.0001	.0006
#3	-0.0003	.0493	-0.0002	.0096	-0.0001	34.00	.0000	.0000	.0004

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0374	2.037	24.14	4.968	.0376	.0069	F 83.11	.0019	.0002
Stddev	.0004	.013	.08	.036	.0002	.0002	.48	.0001	.0004
%RSD	.9524	.6544	.3187	.7333	.6581	2.652	.5725	4.725	167.8
#1	.0376	2.022	24.05	4.928	.0378	.0070	82.64	.0020	.0006
#2	.0369	2.046	24.19	5.000	.0373	.0069	83.59	.0018	.0000
#3	.0375	2.044	24.18	4.975	.0377	.0067	83.10	.0020	.0000

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0000	.0003	3.247	.0017	.4837	.0322	-0.0007	.0004	.0455
Stddev	.001	.0010	.010	.0003	.0023	.0013	.0007	.0000	.0001
%RSD	8506.	335.0	.2996	19.16	.4728	3.917	100.5	7.524	.2793
#1	.0008	.0003	3.258	.0019	.4810	.0332	-0.0003	.0004	.0456
#2	-0.0008	-0.0007	3.243	.0013	.4850	.0326	-0.0015	.0004	.0454
#3	.0000	.0013	3.240	.0018	.4849	.0308	-0.0003	.0004	.0454

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2666.7	5571.9	42083.	4125.9
Stddev	4.3	7.3	624.	36.2
%RSD	.16276	.13043	.62623	.87704
#1	2663.5	5567.1	41947.	4164.8
#2	2671.6	5580.2	42387.	4093.2
#3	2664.9	5568.3	41916.	4119.6

Sample Name: MP30157-D1 Acquired: 3/23/2016 11:26:10 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0002	.0552	-0.0008	.0093	-0.0001	34.27	.0000	.0000	.0005
Stddev	.0001	.0058	.0003	.0002	.0001	.18	.0000	.0001	.0001
%RSD	67.31	10.43	44.21	1.967	86.01	.5326	93.42	214.5	15.53
#1	.0000	.0491	-0.0011	.0095	-0.0001	34.06	.0000	.0000	.0004
#2	.0003	.0606	-0.0005	.0093	-0.0001	34.33	.0000	.0000	.0006
#3	.0003	.0558	-0.0006	.0092	.0000	34.41	.0000	.0001	.0005

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0379	2.047	24.30	4.961	.0383	.0066	F 83.92	.0018	.0003
Stddev	.0001	.004	.10	.050	.0002	.0001	.39	.0002	.0004
%RSD	.2502	.2204	.3969	1.010	.4160	1.573	.4633	13.81	111.7
#1	.0380	2.042	24.19	4.908	.0382	.0064	83.49	.0019	.0006
#2	.0379	2.050	24.37	5.008	.0383	.0066	84.01	.0015	.0006
#3	.0378	2.050	24.32	4.968	.0385	.0066	84.25	.0019	-0.0001

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0004	.0011	3.299	.0013	.4890	.0319	-0.0005	.0003	.0463
Stddev	.0006	.0028	.012	.0002	.0018	.0006	.0013	.0001	.0000
%RSD	160.3	255.2	.3479	18.26	.3730	1.798	268.0	49.55	.1042
#1	.0006	-0.0010	3.288	.0014	.4869	.0320	.0010	.0004	.0462
#2	-0.0003	.0042	3.297	.0011	.4898	.0313	-0.0014	.0002	.0463
#3	.0009	.0000	3.311	.0015	.4904	.0324	-0.0010	.0003	.0463

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2676.8	5584.2	42037.	4175.8
Stddev	7.2	13.8	67.	37.7
%RSD	.26983	.24789	.16000	.90214
#1	2678.6	5597.7	42113.	4219.1
#2	2668.9	5570.0	42011.	4158.1
#3	2683.0	5584.9	41986.	4150.4

Sample Name: MP30157-SD1 Acquired: 3/23/2016 11:30:33 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	0.167	-0.041	0.070	-0.001	32.54	-0.003	0.003	-0.009
Stddev	.0012	.0471	.0015	.0011	.0003	.21	.0003	.0002	.0002
%RSD	199.1	282.7	36.13	16.11	214.1	.6604	100.5	77.57	16.32

#1	.0004	.0039	-.0034	.0067	.0000	32.35	-.0004	.0004	-.0010
#2	-.0020	-.0228	-.0030	.0082	.0001	32.49	.0000	.0005	-.0008
#3	-.0003	.0689	-.0058	.0060	-.0005	32.77	-.0007	.0000	-.0010

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.067	1.876	22.83	4.673	0.060	0.015	78.88	0.011	0.027
Stddev	.0005	.015	.23	.084	.0001	.0007	.36	.0009	.0030
%RSD	1.229	.7931	1.024	1.795	.1814	47.56	.4595	82.45	111.9

#1	.0372	1.863	22.89	4.653	.0359	.0011	78.46	.0003	-.0003
#2	.0364	1.892	22.57	4.764	.0361	.0024	79.10	.0009	.0027
#3	.0364	1.873	23.03	4.600	.0360	.0011	79.08	.0022	.0058

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.001	-0.034	3.056	0.006	4.600	0.281	0.002	-0.003	0.782
Stddev	.0023	.0032	.006	.0012	.0028	.0046	.0033	.0010	.0003
%RSD	2237.	94.58	.2098	207.3	.6012	16.34	2094.	353.5	.3575

#1	-.0027	-.0001	3.053	.0016	.4568	.0333	.0015	-.0006	.0779
#2	.0018	-.0034	3.052	-.0008	.4613	.0266	.0026	-.0011	.0783
#3	.0006	-.0065	3.063	.0010	.4619	.0245	-.0036	.0008	.0785

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2862.4	5814.7	43720.	4244.6
Stddev	8.6	11.6	88.	30.4
%RSD	.30070	.19959	.20188	.71682

#1	2867.2	5828.1	43620.	4276.9
#2	2852.5	5808.6	43788.	4240.5
#3	2867.6	5807.4	43751.	4216.4

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Sample Name: MP30157-PS1 Acquired: 3/23/2016 11:34:59 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0521	2.835	0.1091	2.890	0.0556	39.17	0.0546	0.0541	0.0573
Stddev	.0003	.108	.0007	.0113	.0020	1.38	.0003	.0004	.0003
%RSD	.6610	3.812	.6594	3.894	3.682	3.518	.5981	.7151	.5351

#1	.0519	2.740	.1089	.2789	.0537	37.89	.0543	.0537	.0572
#2	.0525	2.952	.1086	.3011	.0577	40.62	.0547	.0543	.0576
#3	.0519	2.814	.1100	.2870	.0553	38.99	.0549	.0544	.0571

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.1508	5.310	34.73	10.36	0.0942	1.116	F 93.17	1.100	0.0523
Stddev	.0011	.197	1.24	.40	.0002	.0006	3.41	.0009	.0003
%RSD	.7454	3.711	3.568	3.843	.1734	.4941	3.657	.7930	.6266

#1	.1511	5.125	33.61	9.998	.0940	1.109	89.96	1.091	.0522
#2	.1496	5.517	36.06	10.79	.0943	1.119	96.74	1.100	.0520
#3	.1518	5.288	34.51	10.29	.0942	1.119	92.82	1.108	.0527

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.1128	1.053	3.123	0.0529	5.328	1.377	1.003	0.539	3.308
Stddev	.0007	.0010	.018	.0006	.0204	.0011	.0016	.0002	.0003
%RSD	6.386	9.900	.5890	1.040	3.831	8.023	1.601	3.090	.6858

#1	.1121	1.043	3.103	.0523	.5137	1.375	.0984	.0540	.3285
#2	.1135	1.062	3.129	.0531	.5543	1.368	.1011	.0537	.3310
#3	.1127	1.056	3.139	.0533	.5304	1.389	.1013	.0540	.3330

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2665.7	5635.9	41152.	4091.4
Stddev	20.2	26.2	139.	119.5
%RSD	.75798	.46518	.33824	2.9199

#1	2689.0	5665.8	41304.	4207.6
#2	2655.1	5624.9	41121.	3968.9
#3	2653.0	5616.9	41031.	4097.6

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Sample Name: MP30157-S1 Acquired: 3/23/2016 11:39:17 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0515	3.006	2.119	2.169	0.0548	62.80	0.0538	5.304	2.185
Stddev	.0004	.08	.006	.005	.0002	.17	.0001	.0014	.0011
%RSD	.7637	.2503	.2945	.2557	.3726	.2757	.2197	.2624	.4966

#1	.0519	30.15	2.114	2.167	.0545	62.87	.0537	5.288	2.196
#2	.0516	30.04	2.126	2.165	.0549	62.93	.0539	5.314	2.185
#3	.0511	30.01	2.118	2.175	.0548	62.60	.0538	5.309	2.174

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.3141	30.66	53.12	33.09	5.952	5.321	F 113.8	5.399	5.186
Stddev	.0005	.11	.19	.32	.0014	.0016	.2	.0014	.0010
%RSD	.1658	.3441	.3652	.9702	.2308	.3039	.1633	.2629	.1924

#1	.3146	30.77	53.34	33.11	.5963	5.303	114.0	5.395	5.182
#2	.3135	30.65	52.98	33.41	.5956	5.335	113.7	5.414	5.198
#3	.3141	30.56	53.02	32.77	.5937	5.326	113.6	5.387	5.179

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.5324	2.127	3.349	5.330	1.022	5.652	2.058	5.120	5.840
Stddev	.0023	.007	.010	.0015	.001	.0026	.005	.0008	.0009
%RSD	.4330	.3220	.2892	.2733	.1208	.4626	.2455	.1570	.1489

#1	.5311	2.119	3.339	5.335	1.024	5.659	2.055	5.125	5.848
#2	.5351	2.130	3.358	5.341	1.021	5.623	2.063	5.124	5.840
#3	.5311	2.132	3.350	5.313	1.022	5.674	2.054	5.110	5.831

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2533.2	5494.2	40927.	4022.0
Stddev	6.2	14.2	94.	51.8
%RSD	.24618	.25768	.22933	1.2871

#1	2539.5	5510.3	40950.	3963.8
#2	2527.0	5483.6	40823.	4039.1
#3	2533.0	5488.8	41007.	4063.0

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Sample Name: MP30157-S2 Acquired: 3/23/2016 11:43:30 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0522	30.87	2.189	2.237	0.0561	63.87	0.0553	5	

Sample Name: FA32431-1 Acquired: 3/23/2016 11:47:41 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	4.726	-0.001	0.0357	0.000	1.095	0.000	0.005	0.057
Stddev	.0004	.0029	.0005	.0006	.0000	.002	.000	.0001	.0022
%RSD	252.1	6152	420.0	1.796	227.9	.2128	63.21	19.99	38.40
#1	-.0005	.4759	.0003	.0350	.0000	1.094	.0000	.0004	.0082
#2	-.0003	.4709	.0001	.0363	.0000	1.098	.0000	.0006	.0043
#3	-.0003	.4708	-.0007	.0356	.0000	1.094	-.0001	.0006	.0045
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0042	2.189	0.9191	0.9296	0.0108	-0.0005	2.078	0.0028	0.011
Stddev	.0002	.0035	.0104	.0135	.0001	.0001	.004	.0004	.0004
%RSD	4.819	1.596	1.126	1.455	1.339	11.74	.1948	13.59	31.27
#1	.0043	.2150	.9113	.9269	.0109	-.0004	2.074	.0026	.0011
#2	.0039	.2216	.9309	.9442	.0107	-.0004	2.081	.0032	.0008
#3	.0042	.2201	.9152	.9176	.0107	-.0005	2.080	.0026	.0015
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.002	-0.0014	2.371	0.0005	0.107	0.162	0.002	0.004	0.143
Stddev	.0009	.0018	.021	.0001	.0001	.0024	.0004	.0001	.0000
%RSD	365.8	126.5	8752	22.32	1.311	14.68	249.5	32.88	1.312
#1	-.0006	-.0029	2.385	.0006	.0106	.0153	.0004	.0005	.0143
#2	.0012	.0006	2.381	.0004	.0108	.0188	.0005	.0003	.0143
#3	.0001	-.0019	2.347	.0005	.0108	.0143	-.0003	.0003	.0143
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2922.4	5848.3	4441.4	4227.0					
Stddev	2.6	7.9	73.	30.3					
%RSD	.09045	.13464	.16443	.71778					
#1	2922.3	5839.7	4446.9	4219.7					
#2	2919.8	5855.0	44331.	4201.0					
#3	2925.1	5850.3	44441.	4260.4					

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Sample Name: FA32431-2 Acquired: 3/23/2016 11:52:05 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.002	0.3520	-0.0008	0.0055	-0.0001	0.4471	-0.0001	0.000	0.005
Stddev	.0008	.0119	.0005	.0003	.0000	.0049	.0000	.000	.0002
%RSD	313.7	3.374	68.77	4.940	32.99	1.102	14.34	107.1	47.42
#1	.0005	.3569	-.0005	.0053	-.0001	.4446	-.0001	-.0001	.0008
#2	.0008	.3385	-.0004	.0053	-.0001	.4528	-.0001	-.0001	.0005
#3	-.0006	.3607	-.0014	.0058	-.0001	.4440	-.0001	.0000	.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0093	0.962	6.900	1.293	0.061	0.002	53.39	0.016	0.004
Stddev	.0002	.0015	.0385	.0092	.0001	.0001	.14	.0001	.0002
%RSD	2.171	1.603	5.574	7.101	1.903	41.38	.2623	5.348	43.65
#1	.0090	.0951	6.531	1.294	.0062	.0002	53.25	.0017	.0002
#2	.0094	.0980	7.299	1.201	.0061	.0001	53.53	.0016	.0006
#3	.0094	.0957	6.871	1.385	.0060	.0001	53.39	.0017	.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.004	0.011	1.354	0.010	0.062	0.141	-0.0005	0.003	0.046
Stddev	.0011	.0005	.006	.0004	.0001	.0037	.0008	.0000	.0001
%RSD	249.2	45.47	42.19	35.28	1.251	26.64	149.5	9.994	1.435
#1	.0011	.0009	1.357	.0009	.0063	.0125	.0003	.0003	.0047
#2	.0011	.0017	1.358	.0008	.0061	.0113	-.0014	.0003	.0045
#3	-.0008	.0008	1.347	.0015	.0062	.0183	-.0005	.0003	.0046
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2756.9	5682.9	42303.	4127.3					
Stddev	3.2	2.3	206.	41.7					
%RSD	.11719	.04004	.48636	1.0093					
#1	2755.2	5684.2	42296.	4121.9					
#2	2754.8	5684.2	42513.	4088.5					
#3	2760.6	5680.3	42102.	4171.3					

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Sample Name: CCV Acquired: 3/23/2016 11:56:32 Type: QC
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.593	40.92	2.016	2.030	2.021	40.78	2.052	2.044	2.076
Stddev	.0012	.09	.002	.005	.008	.09	.002	.002	.008
%RSD	.4772	2.222	.1044	.2544	.4037	.2126	.0841	.0889	.3874
#1	.2603	40.82	2.019	2.034	2.013	40.69	2.054	2.046	2.085
#2	.2597	40.99	2.014	2.024	2.029	40.87	2.052	2.043	2.073
#3	.2580	40.94	2.016	2.032	2.023	40.79	2.050	2.042	2.070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.052	39.43	41.29	40.88	2.093	2.029	40.97	2.051	2.018
Stddev	.004	.17	.09	.32	.007	.002	.05	.001	.004
%RSD	.1758	.4280	.2157	.7893	.3191	.0801	.1255	.0448	.1847
#1	2.033	39.24	41.19	40.50	2.100	2.030	40.98	2.051	2.021
#2	2.036	39.57	41.34	41.07	2.093	2.030	40.91	2.050	2.014
#3	2.029	39.48	41.35	41.05	2.086	2.027	41.01	2.052	2.019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.010	2.007	2.497	2.061	2.036	2.063	2.028	2.053	2.066
Stddev	.003	.003	.004	.001	.003	.005	.005	.006	.001
%RSD	.1308	.1640	.1815	.0247	.1635	.2419	.2365	.2780	.0252
#1	2.010	2.006	2.497	2.060	2.033	2.066	2.029	2.059	2.066
#2	2.013	2.005	2.501	2.060	2.035	2.066	2.023	2.052	2.065
#3	2.008	2.011	2.492	2.061	2.040	2.058	2.032	2.048	2.066
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 3/23/2016 11:56:32 Type: QC
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2561.0	5598.0	41752.	4062.9
Stddev	3.9	8.1	70.	26.9
%RSD	.15239	.14442	.16722	.66113
#1	2557.5	5593.5	41674.	4081.9
#2	2565.2	5593.2	41810.	4032.2
#3	2560.3	5607.3	41772.	4074.7

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Sample Name: CCB Acquired: 3/23/2016 12:00:43 Type: QC
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include Units, Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Units, Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Units, Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: CCB Acquired: 3/23/2016 12:00:43 Type: QC
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Cts/S, Avg, Stddev, %RSD and #1-3.

Sample Name: FA32431-3 Acquired: 3/23/2016 12:05:13 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 4 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Sample Name: FA32431-4 Acquired: 3/23/2016 12:09:48 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 4 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Sample Name: FA32431-5 Acquired: 3/23/2016 12:14:16 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.0874	-.0008	.0410	.0000	.8251	-.0001	.0004	-.0001
Stddev	.000	.0095	.0003	.0003	.000	.0029	.0000	.0001	.0001
%RSD	11760.	10.84	38.01	.7842	271.6	.3557	21.46	31.46	94.42
#1	-.0002	.0843	-.0011	.0409	-.0001	.8218	-.0001	.0004	-.0003
#2	-.0003	.0981	-.0005	.0413	.0000	.8273	-.0001	.0005	-.0002
#3	.0005	.0799	-.0008	.0407	.0000	.8261	-.0001	.0003	.0000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0003	.0045	.5043	1.090	.0029	-.0007	33.69	.0001	.0002
Stddev	.0003	.0047	.0333	.007	.0001	.0001	.12	.0002	.0002
%RSD	104.6	104.3	6.596	.6161	1.971	17.47	.3686	181.2	102.3
#1	.0007	.0098	.4747	1.088	.0029	-.0008	33.55	.0000	.0004
#2	.0002	.0007	.4979	1.085	.0029	-.0006	33.72	.0000	.0001
#3	.0001	.0030	.5403	1.098	.0028	-.0008	33.79	.0003	.0000
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0001	.0002	2.965	.0006	.0104	-.0005	-.0009	.0004	.0020
Stddev	.0001	.0014	.006	.0002	.0001	.0001	.0009	.0001	.0000
%RSD	127.7	841.6	.2206	24.44	.5472	16.99	101.3	22.08	8736
#1	.0002	-.0002	2.971	.0007	.0104	-.0004	-.0012	.0003	.0020
#2	-.0001	-.0010	2.958	.0007	.0103	-.0006	.0001	.0005	.0020
#3	.0002	.0018	2.965	.0005	.0105	-.0005	-.0016	.0004	.0019
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2840.3	5859.0	43712.	4194.8					
Stddev	2.9	15.3	196.	26.7					
%RSD	.10383	.26033	.44849	.63657					
#1	2841.7	5852.0	43585.	4214.7					
#2	2842.2	5876.5	43614.	4205.3					
#3	2836.9	5848.6	43938.	4164.5					

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Sample Name: FA32431-6 Acquired: 3/23/2016 12:18:46 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0001	.2021	-.0011	.0198	.0000	1.089	.0001	.0003	.0024
Stddev	.0003	.0116	.0004	.0003	.0001	.003	.0000	.0001	.0001
%RSD	504.5	5.722	32.74	1.322	2651.	.3068	58.31	32.00	2.060
#1	.0003	.2151	-.0013	.0197	.0001	1.087	.0000	.0003	.0024
#2	-.0002	.1983	-.0007	.0195	.0000	1.093	.0001	.0002	.0025
#3	-.0003	.1929	-.0013	.0201	-.0001	1.088	.0001	.0004	.0024
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0077	.4750	.4965	.5359	.0198	-.0004	24.39	.0017	.0042
Stddev	.0001	.0069	.0380	.0153	.0001	.0002	.10	.0002	.0000
%RSD	1.562	1.445	7.658	2.855	.2664	59.49	.4030	13.28	1.043
#1	.0078	.4755	.5403	.5349	.0199	-.0005	24.28	.0016	.0042
#2	.0076	.4815	.4773	.5517	.0198	-.0006	24.45	.0015	.0042
#3	.0076	.4678	.4719	.5211	.0198	-.0001	24.45	.0019	.0041
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0015	.0017	3.479	.0026	.0064	.0102	-.0016	.0010	.0418
Stddev	.0008	.0021	.008	.0001	.0001	.0015	.0002	.0001	.0003
%RSD	55.78	125.7	.2202	3.186	1.291	15.08	13.54	6.111	.6114
#1	.0021	.0041	3.472	.0025	.0065	.0119	-.0017	.0010	.0416
#2	.0006	.0011	3.478	.0027	.0063	.0090	-.0017	.0010	.0421
#3	.0018	-.0001	3.487	.0026	.0063	.0095	-.0013	.0011	.0417
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2851.4	5775.0	43656.	4105.9					
Stddev	2.6	14.5	27.	24.7					
%RSD	.08973	.25049	.06120	.60168					
#1	2854.4	5790.3	43657.	4133.4					
#2	2850.2	5761.6	43629.	4098.6					
#3	2849.7	5772.9	43682.	4085.7					

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Sample Name: FA32431-6F Acquired: 3/23/2016 12:23:10 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0005	.0241	-.0015	.0161	.0000	.9349	.0000	.0000	.0000
Stddev	.0001	.0056	.0003	.0003	.000	.0044	.000	.0001	.0001
%RSD	16.51	23.05	18.82	2.078	1463.	.4737	712.1	129.4	688.3
#1	-.0006	.0237	-.0012	.0157	.0000	.9382	.0000	.0001	.0000
#2	-.0004	.0188	-.0018	.0164	.0000	.9365	.0000	.0000	-.0001
#3	-.0005	.0298	-.0016	.0162	.0000	.9298	.0000	.0001	.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0038	.0152	.4462	.4661	.0083	-.0008	23.32	.0008	.0019
Stddev	.0001	.0003	.0203	.0402	.0001	.0001	.11	.0002	.0004
%RSD	1.881	1.734	4.539	8.617	1.165	11.99	.4686	24.69	22.68
#1	.0037	.0153	.4603	.5019	.0084	-.0009	23.40	.0009	.0024
#2	.0037	.0149	.4230	.4227	.0084	-.0008	23.19	.0007	.0015
#3	.0039	.0154	.4553	.4737	.0082	-.0008	23.36	.0006	.0019
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0008	.0015	3.139	.0008	.0057	-.0005	-.0013	.0003	.0288
Stddev	.0006	.0009	.004	.0002	.0001	.0001	.0006	.0003	.0001
%RSD	72.49	63.08	.1119	29.57	1.459	16.52	45.74	100.3	.1861
#1	.0008	.0025	3.135	.0006	.0056	-.0004	-.0006	.0000	.0288
#2	.0014	.0013	3.138	.0011	.0056	-.0005	-.0018	.0003	.0287
#3	.0002	.0007	3.142	.0007	.0058	-.0005	-.0015	.0005	.0288
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2881.1	5802.4	44304.	4191.0					
Stddev	3.8	2.8	135.	9.1					
%RSD	.13234	.04777	.30545	.21668					
#1	2879.2	5802.1	44448.	4180.5					
#2	2878.7	5799.8	44180.	4196.7					
#3	2885.5	5805.3	44285.	4195.7					

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Sample Name: FA32237-31 Acquired: 3/23/2016 12:27:37 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0001	.0122	-.0006	.0379	.0000	40.30	-.0001	.0009	-.0001
Stddev	.0002	.0040	.0010	.0003	.000	.16	.0000	.0001	.0000
%RSD	261.1	33.21	160.9	.6856	200.9	.4052	23.56	17.17	31.91
#1	.0001	.0080	-.0002	.0382	.0000	40.47	-.0001	.0007	-.0001
#2	.0000	.0125	-.0017	.0378	.0000	40.14	-.0001	.0010	-.0001
#3	-.0003	.0160	.0001	.0378	-.0002	40.29	-.0001	.0008	-.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0006	-.0078	1.194	9.645	.0196	-.0004	10.45	.0013	.0001
Stddev	.0002	.0040	.023	.035	.0001	.0001	.02	.0001	.0002
%RSD	37.80	51.01	1.917	.3635	.2928	28.00	.2106	10.95	293.5
#1	.0004	-.0124	1.219	9.666	.0195	-.0003	10.43	.0012	.0000
#2	.0006	-.0050	1.175	9.604	.0196	-.0003	10.48	.0014	.0003
#3	.0009	-.0061	1.187	9.664	.0196	-.0005	10.45	.0014	-.0001
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)			

Sample Name: FA32238-16 Acquired: 3/23/2016 12:32:01 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.015	-0.013	0.0383	0.000	40.92	-0.001	0.008	-0.001
Stddev	0.001	0.0088	0.004	0.001	0.00	0.09	0.000	0.001	0.001
%RSD	62.91	76.37	28.79	2.083	56.22	2.299	9.876	6.165	164.4
#1	-0.002	0.030	-0.009	0.0382	-0.001	41.03	-0.001	0.008	-0.002
#2	-0.001	0.0205	-0.013	0.0383	-0.001	40.86	-0.001	0.008	0.000
#3	-0.004	0.0111	-0.017	0.0384	0.000	40.88	-0.002	0.008	0.000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.005	-0.0108	1.210	9.821	0.024	-0.002	10.58	0.012	0.001
Stddev	0.001	0.005	0.12	0.038	0.001	0.001	0.02	0.002	0.004
%RSD	23.55	4.689	9.893	3.842	6.543	32.09	1.776	19.00	287.0
#1	0.006	-0.103	1.196	9.786	0.203	-0.002	10.59	0.010	0.004
#2	0.007	-0.108	1.213	9.816	0.205	-0.002	10.56	0.014	-0.003
#3	0.004	-0.113	1.219	9.861	0.203	-0.003	10.58	0.011	0.003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.002	-0.0015	4.592	-0.004	6.377	0.002	-0.009	0.033	0.0497
Stddev	0.003	0.005	0.09	0.003	0.016	0.001	0.008	0.002	0.001
%RSD	173.7	36.80	1.844	79.88	2.542	31.91	90.15	5.760	1.789
#1	-0.002	-0.009	4.585	-0.001	6.396	0.001	-0.009	0.033	0.0498
#2	0.004	-0.019	4.602	-0.004	6.366	0.002	-0.017	0.035	0.0498
#3	0.003	-0.017	4.589	-0.006	6.370	0.002	-0.001	0.031	0.0496
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2775.9	5640.5	42794.	4085.3					
Stddev	7.1	14.3	181.	19.9					
%RSD	25582	25408	42303	48624					
#1	2784.1	5657.0	42958.	4095.3					
#2	2772.5	5630.9	42600.	4062.4					
#3	2771.1	5633.6	42825.	4098.1					

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Sample Name: FA32409-1 Acquired: 3/23/2016 12:36:27 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.0179	-0.009	0.0863	0.000	2.808	-0.001	-0.001	0.003
Stddev	0.003	0.0087	0.004	0.004	0.000	0.005	0.000	0.001	0.002
%RSD	197.2	48.93	40.72	4.447	91.10	1.755	63.48	87.94	46.44
#1	0.000	0.0194	-0.014	0.0860	0.000	2.802	0.000	-0.002	0.005
#2	0.000	0.0085	-0.008	0.0867	0.000	2.812	-0.001	0.000	0.002
#3	-0.005	0.0258	-0.006	0.0862	0.001	2.810	-0.001	-0.002	0.004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0197	0.0177	2.316	1.146	0.035	-0.009	2.033	0.003	0.002
Stddev	0.003	0.002	0.030	0.009	0.001	0.001	0.005	0.001	0.002
%RSD	1.579	1.374	1.276	0.788	2.058	10.56	0.2374	21.96	86.81
#1	0.0197	0.0179	2.290	1.139	0.036	-0.008	2.038	0.003	0.004
#2	0.0194	0.0175	2.311	1.156	0.034	-0.009	2.032	0.004	0.000
#3	0.0200	0.0178	2.348	1.143	0.035	-0.010	2.029	0.002	0.003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.001	-0.0008	4.547	0.011	0.0213	-0.004	-0.011	0.001	0.0369
Stddev	0.004	0.013	0.003	0.002	0.002	0.000	0.005	0.001	0.001
%RSD	336.7	153.0	0.721	22.12	8.827	7.361	45.23	74.30	3.356
#1	0.004	-0.019	4.544	0.012	0.0212	-0.004	-0.006	0.001	0.0369
#2	-0.004	0.006	4.550	0.008	0.0215	-0.003	-0.016	0.002	0.0368
#3	0.004	-0.012	4.548	0.012	0.0212	-0.004	-0.012	0.001	0.0370
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2939.7	5803.4	44244.	4095.8					
Stddev	4.1	10.4	305.	14.9					
%RSD	14089	17930	69045	36279					
#1	2936.9	5805.7	44034.	4099.5					
#2	2937.7	5792.0	44595.	4108.5					
#3	2944.5	5812.5	44104.	4079.5					

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Sample Name: FA32409-2 Acquired: 3/23/2016 12:40:53 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.0199	-0.009	0.0390	0.000	8.754	-0.001	0.000	0.009
Stddev	0.003	0.0074	0.004	0.003	0.001	0.13	0.000	0.001	0.001
%RSD	121.8	37.03	49.41	7.009	224.9	15.15	20.11	173.9	15.15
#1	0.000	0.0186	-0.004	0.0392	0.000	8.745	-0.001	0.000	0.011
#2	-0.005	0.0133	-0.011	0.0391	0.000	8.770	-0.001	0.001	0.009
#3	-0.002	0.0279	-0.013	0.0387	0.001	8.749	-0.001	0.001	0.008
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.035	0.0627	1.360	7.173	0.051	-0.009	2.613	0.005	0.083
Stddev	0.003	0.0043	0.051	0.0250	0.000	0.001	0.04	0.001	0.004
%RSD	5.221	6.897	3.777	3.486	0.7766	11.14	1.730	16.03	4.795
#1	0.038	0.0596	1.301	7.461	0.051	-0.010	2.614	0.005	0.086
#2	0.035	0.0608	1.392	7.011	0.051	-0.009	2.608	0.005	0.079
#3	0.032	0.0676	1.388	7.047	0.051	-0.008	2.617	0.006	0.085
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.008	-0.0018	4.721	0.064	0.0320	0.000	-0.009	-0.001	0.0788
Stddev	0.004	0.012	0.008	0.002	0.001	0.00	0.003	0.002	0.002
%RSD	45.07	65.82	1.779	2.730	2.718	11440.	34.50	155.4	2.088
#1	0.011	-0.0031	4.724	0.062	0.0319	0.001	-0.006	0.001	0.0790
#2	0.004	-0.0013	4.712	0.066	0.0320	-0.001	-0.009	-0.001	0.0787
#3	0.010	-0.0009	4.729	0.064	0.0320	0.000	-0.012	-0.002	0.0788
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2919.9	5780.3	44302.	4173.0					
Stddev	5.7	9.4	141.	24.4					
%RSD	19645	16181	31794	58515					
#1	2919.2	5773.0	44163.	4175.8					
#2	2925.9	5790.8	44298.	4147.2					
#3	2914.5	5777.0	44445.	4195.8					

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Sample Name: FA32409-1F Acquired: 3/23/2016 12:45:18 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.001	0.0098	-0.014	0.0802	0.001	2.510	-0.001	-0.001	0.004
Stddev	0.002	0.0091	0.003	0.004	0.001	0.006	0.001	0.002	0.001
%RSD	158.8	92.35	23.78	4.760	99.40	2.491	39.01	217.9	16.61
#1	0.004	0.0065	-0.017	0.0806	0.001	2.512	-0.001	-0.003	0.003
#2	0.001	0.0029	-0.011	0.0802	0.000	2.515	-0.001	-0.001	0.004
#3	-0.001	0.0201	-0.014	0.0798	0.001	2.503	-0.002	0.001	0.005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)

Sample Name: CCV Acquired: 3/23/2016 12:49:43 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2616	41.10	2.044	2.060	2.017	40.77	2.079	2.079	2.062
Stddev	.0004	.15	.006	.006	.011	.15	.002	.003	.002
%RSD	.1403	.3746	.2840	.2851	.5590	.3598	.0767	.1281	.0864

#1	.2619	41.26	2.048	2.067	2.027	40.91	2.081	2.082	2.061
#2	.2612	41.07	2.047	2.055	2.018	40.79	2.078	2.077	2.060
#3	.2617	40.96	2.038	2.058	2.005	40.62	2.078	2.077	2.063

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.046	39.46	40.93	40.47	2.076	2.061	40.95	2.068	2.027
Stddev	.001	.14	.19	.19	.002	.001	.21	.002	.004
%RSD	.0523	.3484	.4607	.4669	.0805	.0437	.5236	.1033	.1945

#1	2.047	39.61	41.15	40.61	2.075	2.060	41.17	2.070	2.026
#2	2.045	39.40	40.81	40.55	2.075	2.062	40.93	2.067	2.032
#3	2.046	39.36	40.84	40.26	2.078	2.061	40.74	2.067	2.024

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.031	2.051	2.529	2.069	2.023	2.031	2.031	2.034	2.076
Stddev	.003	.006	.001	.003	.012	.002	.007	.003	.002
%RSD	.1304	.2915	.0524	.1218	.5803	.1072	.3561	.1338	.1056

#1	2.034	2.053	2.528	2.072	2.035	2.032	2.027	2.034	2.078
#2	2.030	2.055	2.530	2.067	2.023	2.029	2.040	2.031	2.077
#3	2.030	2.044	2.527	2.068	2.012	2.033	2.027	2.037	2.074

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/23/2016 12:49:43 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2566.6	5575.0	42398.	4119.5
Stddev	2.5	4.8	164.	13.9
%RSD	.09712	.08548	.38629	.33698

#1	2569.4	5571.5	42537.	4103.5
#2	2565.5	5580.4	42438.	4127.6
#3	2564.8	5573.0	42217.	4127.5

Sample Name: CCB Acquired: 3/23/2016 12:53:54 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0094	.0001	-0.0001	.0002	.0040	.0000	.0000	-0.0002
Stddev	.0004	.0052	.0004	.0002	.0001	.0022	.0000	.0000	.0001
%RSD	435.7	55.42	664.6	152.5	28.39	56.37	63.76	162.6	32.90

#1	.0000	-.0153	-.0001	-.0002	.0003	.0065	.0001	.0000	-.0002
#2	.0005	-.0078	-.0002	-.0003	.0002	.0023	.0000	.0000	-.0001
#3	-.0002	-.0052	.0005	.0001	.0001	.0031	.0001	.0001	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0037	.0770	-0.0075	.0001	.0003	.0683	.0000	.0001
Stddev	.0003	.0048	.0297	.0227	.0000	.0002	.0121	.0002	.0007
%RSD	135.3	129.3	38.64	301.1	7.281	70.71	17.74	818.4	1107.

#1	.0004	.0084	.1100	.0025	.0001	.0005	.0724	.0000	-.0001
#2	-.0001	.0040	.0685	-.0335	.0001	.0002	.0778	.0003	-.0005
#3	.0004	-.0012	.0524	.0084	.0001	.0001	.0547	-.0002	.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0001	.0015	-0.0001	.0002	.0002	-0.0009	.0002	-0.0006
Stddev	.0001	.0004	.0002	.0002	.0001	.0000	.0009	.0001	.0000
%RSD	244.3	719.8	10.25	307.8	36.14	.9256	92.80	36.48	5.296

#1	.0001	.0004	.0016	.0000	.0003	.0002	-.0014	.0001	-.0006
#2	.0001	-.0004	.0014	.0001	.0003	.0002	-.0015	.0002	-.0007
#3	-.0001	.0003	.0017	-.0003	.0001	.0002	.0001	.0002	-.0006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/23/2016 12:53:54 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2979.2	5838.5	44082.	4170.0
Stddev	3.0	3.4	141.	31.6
%RSD	.10224	.05842	.31976	.75658

#1	2975.9	5834.7	44074.	4182.9
#2	2979.9	5841.3	44227.	4193.1
#3	2981.8	5839.5	43945.	4134.0

Sample Name: FA32409-2F Acquired: 3/23/2016 12:58:23 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	-0.0025	-0.0009	0.0373	0.001	8.167	-0.001	0.001	0.002
Stddev	0.002	0.0051	0.0008	0.004	0.001	0.019	0.000	0.001	0.001
%RSD	360.6	205.9	91.36	0.9625	78.31	2.335	19.03	97.54	62.17
#1	0.002	-0.0066	-0.013	0.0377	0.000	8.186	-0.002	0.000	0.004
#2	-0.002	-0.0042	-0.014	0.0373	0.001	8.148	-0.001	0.001	0.001
#3	-0.002	0.0033	0.000	0.0370	0.001	8.167	-0.001	0.001	0.001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0238	0.0164	1.307	0.6905	0.002	-0.006	2.480	0.064	0.019
Stddev	0.002	0.013	0.024	0.0347	0.000	0.001	0.004	0.000	0.008
%RSD	7.297	7.950	1.839	5.031	0.6695	23.09	1.478	0.5987	38.93
#1	0.0240	0.0173	1.282	0.6888	0.0063	-0.007	2.482	0.065	0.018
#2	0.0237	0.0149	1.308	0.6722	0.0062	-0.005	2.476	0.064	0.013
#3	0.0239	0.0171	1.330	0.7306	0.0062	-0.008	2.482	0.064	0.028
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.010	0.005	4.356	0.002	0.0302	0.000	-0.014	-0.001	0.0699
Stddev	0.005	0.012	0.006	0.001	0.002	0.000	0.003	0.002	0.002
%RSD	49.08	224.5	0.1283	48.42	0.5478	203.3	22.27	208.6	2.534
#1	0.008	0.008	4.354	0.001	0.0304	0.000	-0.016	0.001	0.068
#2	0.006	-0.008	4.351	0.002	0.0301	-0.001	-0.015	-0.002	0.0671
#3	0.015	0.015	4.362	0.002	0.0301	0.000	-0.010	-0.001	0.0669
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2968.0	5840.7	44768.	4164.7					
Stddev	7.7	10.0	176.	9.3					
%RSD	25844	17142	39234	22422					
#1	2976.7	5845.3	44698.	4160.9					
#2	2965.5	5847.7	44968.	4157.8					
#3	2962.0	5829.3	44639.	4175.3					

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Sample Name: FA32427-1 Acquired: 3/23/2016 13:02:50 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.000	-0.0033	-0.010	0.001	0.000	0.009	-0.001	-0.001	-0.003
Stddev	0.003	0.0101	0.004	0.005	0.000	0.018	0.000	0.001	0.001
%RSD	598.5	303.0	41.11	932.5	232.3	18.32	8.675	55.05	40.26
#1	0.002	-0.0140	-0.005	-0.003	0.000	0.085	-0.001	-0.002	-0.002
#2	0.002	-0.0020	-0.013	0.006	0.000	0.092	-0.001	-0.001	-0.004
#3	-0.003	0.0060	-0.011	-0.001	-0.001	0.120	-0.001	-0.001	-0.003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.001	-0.015	-0.040	-0.0231	0.000	-0.008	0.0612	-0.002	0.004
Stddev	0.002	0.014	0.0368	0.014	0.000	0.001	0.021	0.000	0.003
%RSD	384.3	11.93	930.4	44.92	296.1	8.620	3.414	12.92	78.32
#1	-0.003	-0.0107	0.0380	-0.0198	0.000	-0.008	0.0597	-0.002	0.001
#2	0.002	-0.0131	-0.0189	-0.0147	0.000	-0.008	0.0635	-0.002	0.004
#3	-0.001	-0.0107	-0.0310	-0.0346	0.000	-0.007	0.0602	-0.002	0.007
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.003	0.001	0.092	-0.004	0.000	-0.007	-0.011	-0.001	-0.007
Stddev	0.006	0.021	0.002	0.001	0.000	0.001	0.012	0.002	0.000
%RSD	247.2	399.1	2.280	11.83	209.0	11.92	110.5	142.5	4.397
#1	-0.004	-0.019	0.090	-0.005	0.000	-0.008	-0.025	-0.003	-0.007
#2	0.009	-0.002	0.094	-0.004	0.000	-0.007	-0.007	0.000	-0.007
#3	0.003	0.023	0.092	-0.004	-0.001	-0.006	-0.001	-0.001	-0.007
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2984.4	5836.2	45211.	4132.9					
Stddev	7.8	11.9	310.	18.6					
%RSD	26064	20414	68491	44946					
#1	2988.9	5849.1	45188.	4136.8					
#2	2975.4	5825.5	45532.	4149.2					
#3	2989.0	5834.0	44914.	4112.7					

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7

Sample Name: FA32427-2 Acquired: 3/23/2016 13:07:21 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.0054	-0.0009	-0.004	-0.001	0.073	-0.001	-0.001	-0.002
Stddev	0.001	0.0081	0.007	0.001	0.001	0.016	0.000	0.000	0.003
%RSD	92.19	148.1	71.09	19.14	112.2	21.56	26.76	24.06	178.9
#1	0.000	-0.0039	-0.011	-0.004	0.000	0.057	-0.001	-0.001	-0.005
#2	-0.002	0.0104	-0.002	-0.004	-0.001	0.089	-0.001	-0.001	-0.001
#3	-0.001	0.0097	-0.015	-0.005	-0.002	0.075	-0.001	-0.001	0.001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.002	-0.0117	0.0412	-0.0145	0.000	-0.009	0.637	0.001	0.004
Stddev	0.003	0.040	0.123	0.148	0.000	0.002	0.095	0.000	0.007
%RSD	143.9	33.92	29.78	102.3	109.2	19.92	14.89	37.18	180.2
#1	0.005	-0.082	0.0491	-0.020	0.000	-0.007	0.574	0.001	-0.004
#2	0.001	-0.0160	0.0474	-0.0257	0.000	-0.009	0.590	0.000	0.010
#3	0.000	-0.0108	0.0271	0.023	-0.001	-0.011	0.746	0.001	0.005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.004	-0.006	0.0119	-0.003	0.000	-0.006	-0.014	0.000	-0.007
Stddev	0.008	0.014	0.004	0.002	0.000	0.001	0.006	0.000	0.000
%RSD	230.6	215.8	3.168	66.98	173.5	11.34	45.18	207.4	2.707
#1	0.010	0.008	0.015	-0.005	-0.001	-0.006	-0.010	-0.001	-0.007
#2	-0.006	-0.008	0.0120	-0.003	0.000	-0.007	-0.021	-0.001	-0.007
#3	0.007	-0.019	0.022	-0.001	0.000	-0.006	-0.010	0.000	-0.007
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2982.4	5835.4	45104.	4238.6					
Stddev	3.2	4.4	131.	13.5					
%RSD	10631	07562	28978	31865					
#1	2986.1	5838.9	44974.	4223.0					
#2	2981.0	5836.9	45104.	4245.6					
#3	2980.2	5830.4	45235.	4247.1					

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Sample Name: FA32427-3 Acquired: 3/23/2016 13:11:53 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.007	-0.016	-0.002	-0.001	0.077	-0.001	-0.002	-0.003
Stddev	0.006	0.008	0.009	0.001	0.000	0.004	0.001	0.001	0.002
%RSD	250.2	918.1	57.80	58.73	44.65	5.062	41.64	47.39	58.04
#1	-0.004	0.083	-0.024	-0.002	-0.001	0.073	-0.001	-0.002	-0.001
#2	-0.007	-0.010	-0.016	-0.001	-0.001	0.077	-0.001	-0.003	-0.003
#3	0.004	-0.0050	-0.006	-0.003	0.000	0.081	-0.002	-0.001	-0.005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.001	-0.0155	0.0603	0.049	0.001	-0.010	0.0616	-0.002	0.003
Stddev	0.001	0.023	0.035	0.035	0.000	0.000	0.078	0.001	0.002
%RSD	90.18	15.13	52.16	72.06	56.46	4.388	12.58	51.30	82.34

Sample Name: MP30157-MB2A Acquired: 3/23/2016 13:33:19 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	3024.9	5933.9	45656.	4202.3
Stddev	7.4	13.8	69.	10.1
%RSD	.24550	.23281	.15182	.24009
#1	3020.5	5934.1	45591.	4210.3
#2	3033.5	5947.7	45649.	4205.7
#3	3020.8	5920.1	45729.	4191.0

Sample Name: MP30159-MB1 Acquired: 3/23/2016 13:37:51 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.001	-0.002	-0.016	-0.003	-0.001	0.180	-0.001	-0.001	0.004
Stddev	.0001	.0103	.0007	.0000	.0001	.0033	.0000	.0001	.0003
%RSD	63.34	5283.	43.16	5.538	90.67	18.03	35.36	73.30	61.30
#1	.0000	.0022	-.0020	-.0004	.0000	.0167	-.0002	-.0002	.0003
#2	-.0001	.0087	-.0021	-.0003	-.0002	.0156	-.0001	-.0002	.0002
#3	-.0002	-.0114	-.0008	-.0004	-.0001	.0217	-.0001	.0000	.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0051	.0309	.0308	-.0096	.0002	-.0010	.0506	.0001	.0000
Stddev	.0002	.0008	.0520	.0057	.0000	.0001	.0095	.0002	.001
%RSD	3.499	2.497	168.8	59.25	9.532	12.75	18.78	135.2	10270.
#1	.0049	.0305	-.0206	-.0031	.0002	-.0009	.0397	.0004	-.0004
#2	.0051	.0317	.0834	-.0120	.0002	-.0009	.0574	.0000	-.0005
#3	.0052	.0303	.0295	-.0136	.0003	-.0011	.0546	.0001	.0009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0005	-0.002	.0064	.0195	.0000	-0.0005	-0.0017	-0.001	-0.001
Stddev	.0011	.0015	.0006	.0002	.000	.0001	.0012	.0001	.0000
%RSD	209.2	613.3	8.861	1.015	101.6	15.72	72.97	76.03	44.46
#1	.0013	-.0005	.0070	.0193	-.0001	-.0005	-.0013	-.0001	-.0001
#2	.0009	-.0016	.0058	.0196	.0000	-.0005	-.0030	.0000	-.0001
#3	-.0007	.0013	.0063	.0197	.0000	-.0006	-.0007	-.0001	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.1
7

Sample Name: MP30159-MB1 Acquired: 3/23/2016 13:37:51 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	3028.1	5865.8	45481.	4233.7
Stddev	6.0	9.8	85.	6.6
%RSD	.19729	.16635	.18751	.15563
#1	3026.8	5877.1	45385.	4227.2
#2	3034.5	5860.6	45510.	4233.3
#3	3022.8	5859.8	45548.	4240.4

Sample Name: MP30159-B1 Acquired: 3/23/2016 13:42:22 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0477	28.76	1.989	2.106	.0518	26.13	.0522	.5234	.2066
Stddev	.0008	.04	.004	.005	.0002	.03	.0003	.0022	.0012
%RSD	1.643	.1477	.1780	.2464	.2984	.1196	.5305	.4131	.5675
#1	.0482	28.73	1.988	2.101	.0517	26.11	.0522	.5234	.2074
#2	.0468	28.81	1.986	2.112	.0516	26.10	.0519	.5212	.2052
#3	.0480	28.74	1.993	2.105	.0519	26.16	.0524	.5256	.2071

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.2625	27.24	25.98	26.03	.5191	.5158	26.18	.5203	.4830
Stddev	.0007	.04	.04	.14	.0027	.0027	.05	.0021	.0016
%RSD	.2813	.1447	.1441	.5456	.5181	.5248	.1816	.4057	.3376
#1	.2626	27.20	25.94	25.90	.5201	.5155	26.15	.5198	.4840
#2	.2632	27.25	26.01	26.02	.5161	.5132	26.24	.5185	.4838
#3	.2617	27.27	25.99	26.18	.5212	.5186	26.17	.5226	.4811

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.4956	2.022	.0154	.5276	.4898	.4981	1.924	.4759	.5131
Stddev	.0025	.008	.0002	.0012	.0014	.0009	.007	.0010	.0012
%RSD	.5039	.3780	1.472	.2192	.2817	.1726	.3691	.2128	.2303
#1	.4935	2.018	.0155	.5290	.4883	.4991	1.920	.4767	.5134
#2	.4949	2.017	.0151	.5269	.4909	.4975	1.921	.4747	.5117
#3	.4984	2.031	.0156	.5270	.4902	.4977	1.932	.4762	.5140

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30159-B1 Acquired: 3/23/2016 13:42:22 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2733.4	5675.5	43708.	4146.3
Stddev	4.9	27.0	17.	14.0
%RSD	.17861	.47626	.03964	.33863
#1	2733.3	5673.2	43720.	4133.1
#2	2738.3	5703.6	43688.	4144.6
#3	2728.5	5649.7	43715.	4161.1

Sample Name: CCV Acquired: 3/23/2016 13:46:35 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	2.634	41.49	2.057	2.091	2.012	40.49	2.099	2.114	2.050
Stddev	.0004	.25	.001	.011	.008	.20	.002	.002	.004
%RSD	.1634	.6084	.0649	.5060	.4088	.4863	.0875	.0830	.2104
#1	.2634	41.67	2.056	2.096	2.019	40.68	2.098	2.112	2.049
#2	.2630	41.20	2.058	2.079	2.003	40.29	2.101	2.115	2.055
#3	.2638	41.60	2.057	2.099	2.013	40.51	2.097	2.114	2.046

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	2.059	39.64	40.81	40.01	2.031	2.096	40.86	2.081	2.005
Stddev	.004	.17	.27	.30	.017	.003	.21	.001	.008
%RSD	.1857	.4285	.6494	.7521	.8205	.1196	.5221	.0618	.3886
#1	2.058	39.80	40.98	40.35	2.026	2.093	41.00	2.081	2.014
#2	2.063	39.46	40.50	39.85	2.049	2.097	40.62	2.082	2.002
#3	2.055	39.67	40.95	39.81	2.017	2.097	40.97	2.080	2.000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	2.052	2.073	2.554	2.063	2.012	2.002	2.006	2.004	2.070
Stddev	.001	.004	.002	.002	.011	.005	.002	.004	.003
%RSD	.0528	.2027	.0879	.0863	.5387	.2537	.0753	.1909	.1341
#1	2.051	2.069	2.556	2.064	2.019	2.002	2.008	2.007	2.069
#2	2.053	2.077	2.556	2.064	2.000	2.008	2.004	2.006	2.073
#3	2.052	2.075	2.552	2.061	2.019	1.997	2.006	2.000	2.068

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

7.1
7

Sample Name: CCV Acquired: 3/23/2016 13:46:35 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2578.4	5521.3	42649.	4115.2
Stddev	7.5	13.6	191.	46.2
%RSD	.29017	.24600	.44824	1.1227
#1	2577.9	5536.3	42685.	4066.4
#2	2586.2	5517.9	42442.	4158.3
#3	2571.2	5509.8	42820.	4120.8

Sample Name: CCB Acquired: 3/23/2016 13:50:51 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.002	0.122	-0.001	0.001	0.002	0.071	0.001	0.001	-0.001
Stddev	.0003	.0040	.0005	.0002	.0001	.0033	.0000	.0000	.0001
%RSD	181.3	33.12	732.1	184.6	26.07	45.87	37.71	24.68	186.2
#1	.0002	.0100	.0000	.0003	.0002	.0037	.0001	.0001	-0.002
#2	-0.005	.0097	.0004	.0000	.0003	.0075	.0000	.0001	-0.001
#3	-0.002	.0169	-0.006	.0000	.0002	.0101	.0001	.0002	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-0.001	0.028	0.193	-0.151	0.002	0.005	0.552	0.001	0.007
Stddev	.0002	.0039	.0316	.0163	.0000	.0003	.0093	.0000	.0005
%RSD	244.2	139.0	163.5	108.5	15.05	47.83	16.82	14.56	70.01
#1	-0.001	.0067	.0529	-0.161	.0002	.0007	.0594	.0001	.0007
#2	.0001	-0.0010	-0.0097	-0.308	.0002	.0006	.0617	.0002	.0003
#3	-0.003	.0026	.0148	.0018	.0002	.0003	.0446	.0001	.0013

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	0.004	0.009	0.014	-0.001	0.002	0.004	0.002	0.001	-0.006
Stddev	.0009	.0010	.0003	.0002	.0001	.0001	.0001	.0001	.0001
%RSD	215.5	102.6	18.26	161.4	28.23	20.73	63.90	107.8	10.29
#1	-0.004	-0.001	.0017	.0001	.0002	.0005	.0001	.0001	-0.005
#2	.0014	.0018	.0013	-0.003	.0002	.0003	.0001	.0000	-0.006
#3	.0003	.0012	.0012	-0.001	.0003	.0003	.0003	.0003	-0.006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/23/2016 13:50:51 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2988.3	5807.1	44655.	4221.2
Stddev	5.3	11.0	92.	12.8
%RSD	.17857	.18972	.20661	.30220

#1	2986.8	5795.3	44674.	4234.1
#2	2983.9	5808.8	44555.	4221.0
#3	2994.2	5817.2	44736.	4208.6

Sample Name: FA32410-1 Acquired: 3/23/2016 13:55:34 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0021	193.2	2146	5370	0.0091	95.24	0.0022	2.102	2.724
Stddev	0.0003	.2	0.0025	0.0019	0.0000	.24	0.0001	0.0004	0.0016
%RSD	13.73	.1082	1.160	.3613	.4707	.2533	4.577	.1945	.5942

#1	-0.018	193.1	2148	5362	0.0092	95.22	0.0024	2.104	2.742
#2	-0.022	193.0	2170	5356	0.0091	95.01	0.0022	2.105	2.711
#3	-0.023	193.4	2120	5392	0.0091	95.49	0.0022	2.097	2.719

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5301	370.4	28.22	81.60	3.977	0.049	12.73	5.069	2.854
Stddev	0.0006	1.0	.06	.25	.028	0.0004	.03	0.0007	0.0022
%RSD	.1105	.2609	.2035	.3021	.6926	7.771	.2177	.1283	.7609

#1	5297	369.4	28.24	81.39	3.996	0.053	12.70	5.074	2.830
#2	5298	371.3	28.15	81.54	3.946	0.050	12.73	5.072	2.871
#3	5308	370.3	28.26	81.87	3.989	0.045	12.76	5.062	2.860

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0027	0.0025	1.892	0.0176	1.184	2.797	0.0000	3.596	1.438
Stddev	0.0016	0.0026	0.005	0.0002	0.002	0.011	0.002	0.0006	0.004
%RSD	56.63	102.8	2.449	1.282	1.842	3.776	11990.	1.751	2.515

#1	0.0019	0.0023	1.897	0.0178	1.183	2.809	0.0005	3.600	1.435
#2	0.0018	0.0053	1.890	0.0174	1.183	2.792	-0.0024	3.599	1.442
#3	0.0045	0.0001	1.889	0.0177	1.187	2.789	0.0018	3.588	1.438

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2619.1	7680.2	5884.3	5704.4
Stddev	3.3	12.6	183.	11.3
%RSD	.12564	.16462	.31166	.19831

#1	2617.9	7665.9	58648.	5703.0
#2	2622.8	7685.0	58870.	5693.9
#3	2616.6	7689.8	59011.	5716.4

7.1
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Sample Name: MP30159-D1 Acquired: 3/23/2016 14:00:02 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.0025	196.7	2230	5123	0.0088	85.57	0.0019	2.481	2.715
Stddev	0.0002	.6	0.0005	0.0020	0.0001	.33	0.0001	0.0007	0.0017
%RSD	8.741	.3058	.2045	.3947	.8046	.3903	5.726	.2734	.6133

#1	-0.0027	196.4	2225	5100	0.0089	85.69	0.0019	2.473	2.728
#2	-0.0025	197.4	2233	5137	0.0088	85.83	0.0018	2.484	2.696
#3	-0.0023	196.3	2233	5131	0.0088	85.19	0.0020	2.486	2.721

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5249	348.6	28.97	77.36	3.386	0.059	11.98	5.253	2.744
Stddev	0.0006	1.4	.09	.62	0.016	0.0001	.05	0.0010	0.0013
%RSD	.1180	.4083	.3002	.8075	.4825	1.556	4.332	1.902	.4603

#1	5252	348.4	28.92	77.65	3.393	0.058	11.95	5.242	2.739
#2	5254	350.1	29.07	77.78	3.368	0.058	12.04	5.255	2.758
#3	5242	347.2	28.93	76.64	3.398	0.060	11.95	5.262	2.734

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0029	0.0011	2.279	0.0179	1.103	3.908	-0.0018	3.952	1.399
Stddev	0.0006	0.0022	0.006	0.0001	0.003	0.012	0.0022	0.0005	0.002
%RSD	20.86	195.0	2.459	.5296	.2986	2.953	122.6	.1193	.1321

#1	0.0035	0.0003	2.272	0.0180	1.099	3.919	-0.0034	3.955	1.397
#2	0.0031	-0.0005	2.283	0.0178	1.106	3.896	0.0007	3.947	1.400
#3	0.0023	0.0037	2.281	0.0179	1.103	3.910	-0.0027	3.954	1.400

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2637.1	7502.3	57420.	5544.4
Stddev	3.0	14.0	232.	59.9
%RSD	.11203	.18612	.40339	1.0800

#1	2636.0	7516.2	57210.	5490.0
#2	2640.5	7502.5	57668.	5534.6
#3	2635.0	7488.3	57381.	5608.6

Sample Name: MP30159-SD1 Acquired: 3/23/2016 14:04:28 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0031	257.3	2840	7232	0.0119	130.0	-0.0008	3.025	3.806
Stddev	0.0016	.4	0.0047	0.0037	0.0002	.4	0.0003	0.0005	0.0013
%RSD	50.96	.1369	1.671	5.070	2.060	3.041	39.33	.1533	.3329

#1	-0.0013	257.1	2821	7190	0.0120	129.7	-0.0012	3.024	3.812
#2	-0.0043	257.1	2894	7250	0.0116	129.8	-0.0006	3.021	3.791
#3	-0.0037	257.7	2804	7256	0.0121	130.4	-0.0007	3.030	3.814

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	7081	533.2	37.42	110.3	5.854	0.021	17.06	7.293	2.951
Stddev	0.0014	.6	.32	.2	.009	0.0004	.09	0.0007	0.0049
%RSD	.1911	.1124	.8679	.1718	.1553	16.53	.5165	.0909	1.658

#1	7083	532.5	37.09	110.3	5.852	0.024	17.15	7.285	2.897
#2	7093	533.7	37.74	110.1	5.846	0.023	17.06	7.296	2.967
#3	7067	533.4	37.45	110.4	5.864	0.017	16.97	7.298	2.991

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0012	-0.0068	2.615	0.0229	1.595	3.839	-0.0007	4.974	2.114
Stddev	0.0054	0.0092	0.008	0.0008	0.002	0.0009	0.0069	0.0014	0.004
%RSD	461.5	135.4	2.922	3.528	.1320	2.395	1051.	.2827	.2031

#1	-0.0048	0.0005	2.606	0.0226	1.594	3.850	-0.0025	4.970	2.112
#2	0.0029	-0.0171	2.619	0.0222	1.593	3.832	0.0070	4.963	2.112
#3	0.0055	-0.0037	2.620	0.0238	1.597	3.836	-0.0064	4.990	2.119

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2773.5	6142.5	47126.	4520.9
Stddev	3.9	13.3	155.	10.8
%RSD	.14160	.21614	.32903	.23821

#1	2777.3	6142.6	47197.	4519.1
#2	2773.5	6155.8	47232.	4532.5
#3	2769.5	6129.2	46948.	4511.2

Sample Name: MP30159-PS1 Acquired: 3/23/2016 14:08:47 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0345	191.2	.2867	.7298	.0459	97.26	.0387	2.445	.3057
Stddev	.0006	.4	.0004	.0006	.0001	.41	.0002	.0007	.0005
%RSD	1.603	.1913	.1452	.0761	.2982	.4257	.6264	.2902	.1497
#1	.0339	190.7	.2868	.7298	.0459	96.82	.0390	2.450	.3054
#2	.0345	191.3	.2863	.7292	.0460	97.33	.0385	2.449	.3054
#3	.0350	191.4	.2871	.7303	.0457	97.64	.0387	2.437	.3062
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6011	364.3	35.27	83.25	F 4.007	.0770	20.04	5.721	.3272
Stddev	.0015	1.7	.08	.55	.018	.0002	.02	.0003	.0017
%RSD	.2519	.4611	.2366	.6665	.4445	.2896	.0949	.0573	.5260
#1	.6013	362.4	35.18	82.66	3.997	.0772	20.03	5.724	.3279
#2	.5995	364.9	35.28	83.33	4.027	.0768	20.04	5.720	.3252
#3	.6025	365.6	35.34	83.76	3.995	.0771	20.06	5.718	.3284
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0806	.0751	1.991	.0503	1.200	3.468	.0906	3.905	1.606
Stddev	.0024	.0010	.003	.0002	.003	.0007	.0013	.0009	.001
%RSD	2.997	1.361	.1317	.4350	.2776	.2143	1.478	.2311	.0707
#1	.0817	.0758	1.992	.0506	1.197	3.461	.0891	3.908	1.607
#2	.0822	.0756	1.993	.0502	1.199	3.466	.0912	3.894	1.605
#3	.0778	.0739	1.988	.0502	1.203	3.476	.0916	3.911	1.605
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2597.7	7610.0	58496.	5767.4					
Stddev	3.7	6.7	175.	37.0					
%RSD	.14412	.08777	.29912	.64095					
#1	2600.8	7608.3	58545.	5808.4					
#2	2598.6	7604.3	58301.	5757.1					
#3	2593.5	7617.3	58640.	5736.6					

7.1

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Sample Name: MP30159-S1 Acquired: 3/23/2016 14:13:10 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0327	246.0	1.551	2.036	.0452	106.8	.0376	5.785	.4383
Stddev	.0005	.4	.001	.002	.0001	.5	.0002	.0013	.0017
%RSD	1.473	.1805	.0698	.0806	.2814	.4544	.6111	.2202	.3819
#1	.0329	246.3	1.549	2.035	.0454	107.2	.0373	5.778	.4380
#2	.0331	245.5	1.551	2.035	.0451	106.3	.0378	5.778	.4401
#3	.0322	246.2	1.552	2.038	.0453	106.8	.0376	5.800	.4368
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7564	F 405.1	49.10	100.5	F 4.282	2.433	31.20	8.706	7.466
Stddev	.0032	2.8	.10	.6	.041	.0006	.07	.0004	.0012
%RSD	.4247	.6968	.2103	.5701	.9540	.2369	.2134	.0451	.1671
#1	.7597	407.2	49.19	100.9	4.310	2.428	31.26	8.702	7.452
#2	.7533	401.9	48.99	99.87	4.300	2.433	31.13	8.705	7.475
#3	.7563	406.3	49.12	100.8	4.235	2.440	31.22	8.710	7.471
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0636	1.344	2.302	.3305	1.510	4.893	1.698	7.546	1.849
Stddev	.0017	.004	.004	.0004	.002	.0009	.004	.0011	.002
%RSD	2.751	.3170	.1944	.1237	.1614	.1773	.2116	.1481	.1015
#1	.0617	1.340	2.298	.3302	1.513	4.901	1.699	7.537	1.851
#2	.0652	1.344	2.302	.3304	1.509	4.884	1.694	7.558	1.847
#3	.0638	1.349	2.307	.3309	1.509	4.892	1.702	7.541	1.849
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2579.2	7655.6	58709.	5721.4					
Stddev	2.8	4.4	252.	39.5					
%RSD	.10917	.05765	.42960	.69051					
#1	2576.0	7657.1	58598.	5693.1					
#2	2581.5	7659.0	58530.	5766.5					
#3	2579.9	7650.6	58997.	5704.5					

Sample Name: MP30159-S2 Acquired: 3/23/2016 14:17:41 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0331	245.0	1.594	2.090	.0460	108.2	.0375	5.933	4.396
Stddev	.0003	1.0	.003	.005	.0002	.5	.0001	.0010	.0009
%RSD	.7997	.4072	.2095	.2534	.4291	.4542	.3897	.1713	.2135
#1	.0329	246.0	1.593	2.093	.0462	108.7	.0374	5.944	4.406
#2	.0334	244.9	1.591	2.094	.0460	108.0	.0374	5.927	4.395
#3	.0330	244.0	1.597	2.084	.0458	107.7	.0376	5.927	4.387
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7244	394.3	49.37	98.89	F 4.402	2.588	31.42	8.768	7.295
Stddev	.0019	1.5	.21	.56	.015	.0001	.11	.0012	.0021
%RSD	.2595	.3874	.4274	.5690	.3307	.0365	.3440	.1358	.2934
#1	.7225	395.8	49.60	99.43	4.400	2.589	31.53	8.777	7.290
#2	.7263	394.3	49.30	98.94	4.417	2.588	31.40	8.755	7.276
#3	.7243	392.7	49.20	98.31	4.388	2.588	31.32	8.773	7.318
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0696	1.384	2.374	.3385	1.510	5.331	1.735	7.414	1.786
Stddev	.0009	.004	.001	.0009	.005	.0007	.005	.0010	.006
%RSD	1.256	.2966	.0225	.2624	.3499	.1366	.3035	.1403	.3345
#1	.0700	1.389	2.374	.3392	1.516	5.331	1.729	7.421	1.791
#2	.0701	1.382	2.375	.3375	1.509	5.339	1.740	7.402	1.779
#3	.0686	1.381	2.374	.3388	1.506	5.324	1.736	7.418	1.787
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2570.3	7553.9	58059.	5624.3					
Stddev	12.1	10.2	115.	52.0					
%RSD	.46984	.13437	.19842	.92417					
#1	2582.7	7562.3	57980.	5566.3					
#2	2569.7	7556.8	58192.	5639.9					
#3	2558.5	7542.7	58007.	5666.7					

Sample Name: FA32302-1 Acquired: 3/23/2016 14:22:05 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0023	314.4	.0406	2.105	.0154	74.32	.0041	2.328	.5119
Stddev	.0005	2.1	.0005	.006	.0002	.19	.0002	.0001	.0024
%RSD	19.82	.6641	1.315	.2775	1.130	2.492	5.829	.0335	.4623
#1	-.0025	316.5	.0401	2.111	.0156	74.51	.0039	2.328	.5096
#2	-.0018	314.6	.0406	2.106	.0153	74.30	.0044	2.327	.5143
#3	-.0026	312.3	.0412	2.099	.0154	74.14	.0042	2.328	.5117
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2603	F 452.9	41.25	152.8	F 6.042	.0110	6.135	4.486	2.864
Stddev	.0003	1.5	.09	.4	.031	.0002	.014	.0006	.0019
%RSD	.1303	.3327	.2167	.2583	.5154	1.888	.2238	.1327	.6782
#1	.2600	454.3	41.35	153.3	6.022	.0108	6.149	4.487	.2847
#2	.2603	453.3	41.17	152.8	6.026	.0110	6.122	4.480	.2885
#3	.2606	453.1	41.21	152.5	6.078	.0112	6.133	4.492	.2861
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908		

Sample Name: FA32410-2 Acquired: 3/23/2016 14:26:54 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.022	221.3	1671	5594	0102	105.3	0021	1766	3205
Stddev	0.003	.3	.0014	.0012	.0001	.2	.0001	.0002	.0007
%RSD	12.55	.1553	.8379	.2222	1.037	.1595	3.464	.1030	.2086
#1	-0.019	221.2	1662	5596	.0101	105.1	.0021	1764	3198
#2	-0.024	221.1	1687	5605	.0103	105.4	.0020	1767	3211
#3	-0.022	221.7	1663	5581	.0102	105.3	.0021	1768	3207
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	4688	335.1	31.01	101.3	3.108	0035	12.73	5060	2808
Stddev	0.002	.8	.06	.3	.003	.0002	.03	.0005	.0007
%RSD	.0452	.2327	.1932	.2736	.0826	4.895	.2439	.1040	.2421
#1	4687	334.5	30.94	101.2	3.106	.0037	12.71	5055	2803
#2	4686	334.8	31.06	101.1	3.111	.0033	12.77	5065	2816
#3	4690	336.0	31.02	101.6	3.108	.0035	12.73	5061	2806
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	0018	0067	1973	0179	1183	2825	-0018	3787	1459
Stddev	0.002	.0011	.001	.0001	.003	.0001	.0018	.0009	.003
%RSD	11.12	16.05	0.0561	.4412	.2739	0.301	97.42	.2311	.2112
#1	.0017	.0056	1.974	.0179	1.183	2825	-.0031	3784	1.456
#2	.0021	.0078	1.972	.0180	1.186	2826	-.0026	3780	1.462
#3	.0017	.0068	1.972	.0178	1.179	2825	.0002	3797	1.458
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2596.3	7951.9	61223	5930.3					
Stddev	9.8	16.9	130.	46.5					
%RSD	.37751	.21311	.21278	.78409					
#1	2596.4	7958.7	61247.	5979.8					
#2	2606.1	7964.5	61082.	5923.5					
#3	2586.5	7932.7	61340.	5887.6					

Sample Name: FA32410-3 Acquired: 3/23/2016 14:31:19 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.026	257.0	2248	5606	0128	65.66	0060	2392	3469
Stddev	0.003	1.4	.0004	.0030	.0001	.40	.0004	.0005	.0016
%RSD	12.85	.5304	.1899	.5306	.6700	6.020	6.983	.2057	.4590
#1	-0.029	258.3	2253	5626	.0128	66.07	.0056	2389	3467
#2	-0.026	257.1	2245	5621	.0128	65.63	.0061	2389	3455
#3	-0.022	255.6	2245	5572	.0127	65.28	.0064	2397	3486
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5106	404.5	29.48	74.93	1.564	0047	4.520	5107	3002
Stddev	0.015	4.7	.11	.52	.011	.0003	.013	.0010	.0004
%RSD	.2901	1.168	.3648	.6988	.6946	6.481	.2882	.1918	.1355
#1	.5122	409.8	29.58	75.52	1.576	.0046	4.528	5110	2999
#2	.5103	403.1	29.50	74.75	1.559	.0045	4.528	5096	3007
#3	.5093	400.7	29.36	74.52	1.556	.0051	4.505	5115	3001
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0030	0717	1905	0179	9377	3386	-0026	4847	1784
Stddev	0.015	.0032	.006	.0002	.0037	.0008	.0015	.0005	.001
%RSD	51.43	4.451	.3363	1.046	.3938	.2492	58.87	1.112	.0320
#1	.0016	.0731	1.905	.0178	.9417	3383	-.0029	4851	1.785
#2	.0047	.0740	1.899	.0181	.9371	3379	-.0009	4841	1.784
#3	.0027	.0681	1.912	.0179	.9344	3395	-.0039	4850	1.784
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2657.8	8071.9	62053.	5934.2					
Stddev	3.5	26.3	297.	41.8					
%RSD	.13315	.32581	.47876	.70403					
#1	2653.7	8077.1	61979.	5887.8					
#2	2659.7	8095.2	62380.	5945.8					
#3	2660.0	8043.4	61800.	5968.9					

7.1
7

Sample Name: FA32432-1 Acquired: 3/23/2016 14:35:53 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	58.71	0097	1999	0019	46.07	0009	0023	0494
Stddev	0.001	.25	.0003	.0007	.0000	.25	.0000	.0000	.0005
%RSD	16.41	4.245	2.806	3.457	1.056	5.393	2.995	1.391	1.023
#1	-0.004	58.94	0094	2007	0019	46.30	0009	0023	0488
#2	-0.004	58.74	0100	1995	0019	46.11	0009	0023	0496
#3	-0.005	58.45	0097	1995	0018	45.81	0009	0022	0498
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0234	18.02	1289	1377	0787	0019	5260	0157	1474
Stddev	0.001	.10	.018	.014	.002	.0001	.0098	.0001	.0004
%RSD	.5793	5.358	1.355	1.034	.2262	7.419	1.864	.4480	.3012
#1	.0234	18.12	1.299	1.370	.0787	.0017	5354	.0158	1470
#2	.0233	18.01	1.300	1.393	.0785	.0019	5267	.0156	1474
#3	.0236	17.93	1.269	1.367	.0789	.0020	5158	.0157	1479
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0004	0043	1921	0134	3738	2646	-0031	0344	0869
Stddev	0.006	.0006	.007	.0002	.0013	.0006	.0003	.0003	.0003
%RSD	153.6	14.09	.3910	1.854	.3588	2.319	10.68	.9196	.3202
#1	-.0003	.0036	1.914	.0134	.3751	2640	-.0035	.0347	0872
#2	.0008	.0046	1.921	.0131	.3724	2652	-.0029	.0341	0866
#3	.0006	.0048	1.929	.0136	.3737	2646	-.0029	.0345	0869
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2820.0	6163.8	47908.	4354.7					
Stddev	2.1	10.1	231.	52.5					
%RSD	.07398	.16417	.48240	1.2049					
#1	2821.8	6171.1	48119.	4339.3					
#2	2820.6	6168.1	47942.	4311.7					
#3	2817.7	6152.3	47661.	4413.2					

Sample Name: CCV Acquired: 3/23/2016 14:40:13 Type: QC
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2666	42.30	2.082	2.152	2.015	40.62	2.139	2.169	2.085
Stddev	.0008	.17	.002	.004	.009	.10	.003	.004	.005
%RSD	.2917	.3943	.1138	.1931	.4312	.2407	.1226	.1702	.2340
#1	2666	42.48	2.083	2.156	2.020	40.65	2.141	2.171	2.082
#2	2673	42.14	2.079	2.148	2.005	40.52	2.140	2.171	2.090
#3	2658	42.29	2.083	2.150	2.019	40.71	2.136	2.165	2.082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2090	40.06	41.48	39.99	2.031	2.155	41.41	2.112	2.019
Stddev	.004	.15	.09	.21	.013	.005	.07	.002	.003
%RSD	.2029	.3848	.2214	.5336	.6216	.2137	.1667	.0911	.1578
#1	2087</								

Sample Name: CCV Acquired: 3/23/2016 14:40:13 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2546.7	5406.6	4205.3	3960.4
Stddev	5.8	5.1	85.	7.0
%RSD	.22685	.09478	.20327	.17675
#1	2547.8	5410.0	42151.	3957.2
#2	2551.8	5400.7	42019.	3968.4
#3	2540.4	5409.0	41991.	3955.5

Sample Name: CCB Acquired: 3/23/2016 14:44:33 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0001	.0112	-.0001	-.0001	.0002	.0065	.0001	.0002	-.0001
Stddev	.0002	.0027	.0006	.0003	.0001	.0009	.0000	.0000	.0001
%RSD	208.1	24.15	919.8	409.5	28.83	13.43	53.57	58.76	72.32
#1	.0003	.0140	.0006	.0002	.0002	.0063	.0000	.0004	-.0001
#2	.0001	.0087	-.0003	-.0003	.0003	.0057	.0001	.0002	.0000
#3	-.0001	.0108	-.0005	-.0001	.0002	.0074	.0001	.0001	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-.0002	.0101	.0485	.0169	.0002	.0004	.0515	.0002	.0006
Stddev	.0001	.0020	.0333	.0288	.0000	.0003	.0077	.0000	.0003
%RSD	71.64	20.19	68.61	169.9	24.00	62.94	14.89	28.68	60.49
#1	-.0004	.0120	.0186	.0450	.0002	.0007	.0600	.0001	.0008
#2	-.0001	.0105	.0426	.0184	.0002	.0005	.0451	.0002	.0002
#3	-.0001	.0079	.0843	-.0125	.0001	.0001	.0494	.0001	.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0008	-.0003	.0017	-.0001	.0004	.0000	.0002	.0002	-.0006
Stddev	.0003	.0025	.0003	.0004	.0000	.0001	.0005	.0002	.0000
%RSD	35.89	731.7	17.97	563.6	3.169	823.4	223.7	70.01	4.077
#1	.0011	.0016	.0014	-.0002	.0004	.0001	.0004	.0001	-.0006
#2	.0007	.0005	.0019	.0003	.0004	.0001	.0006	.0002	-.0006
#3	.0005	-.0032	.0019	-.0004	.0004	-.0001	-.0003	.0004	-.0006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.1
7

Sample Name: CCB Acquired: 3/23/2016 14:44:33 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2980.7	5728.6	44848.	4116.5
Stddev	6.5	10.1	135.	18.2
%RSD	.21972	.17583	.30186	.44121
#1	2983.1	5737.2	44860.	4135.1
#2	2973.3	5717.5	44978.	4098.8
#3	2985.7	5731.2	44708.	4115.5

Sample Name: FA32159-1 Acquired: 3/23/2016 14:49:03 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0015	219.4	.1487	.7777	.0100	56.84	.0041	.4645	.2967
Stddev	.0004	.4	.0011	.0024	.0001	.10	.0005	.0005	.0006
%RSD	24.49	.1768	.7673	.3116	.9273	.1826	11.95	.1073	.1969
#1	-.0012	219.5	.1489	.7772	.0101	56.77	.0037	.4651	.2974
#2	-.0014	219.0	.1497	.7755	.0099	56.80	.0047	.4645	.2967
#3	-.0019	219.7	.1475	.7803	.0099	56.96	.0040	.4641	.2962

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4817	F 412.7	29.14	79.22	F 10.74	.0139	7.176	.4011	.2062
Stddev	.0010	5.1	.11	.35	.07	.0002	.029	.0009	.0009
%RSD	.2015	1.239	.3891	.4417	.6668	1.530	.4041	.2210	.4246
#1	.4809	416.7	29.02	78.83	10.67	.0141	7.157	.4018	.2051
#2	.4813	406.9	29.14	79.50	10.75	.0137	7.162	.4001	.2066
#3	.4828	414.5	29.25	79.33	10.81	.0141	7.209	.4014	.2067

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0047	.0342	2.178	.0217	.9798	.2815	.0002	.4491	1.543
Stddev	.0012	.0017	.002	.0002	.0019	.0004	.0017	.0002	.004
%RSD	25.20	4.991	.0976	.9918	.1951	.1450	1025.	.0528	.2282
#1	.0047	.0353	2.180	.0216	.9776	.2820	.0019	.4489	1.547
#2	.0059	.0350	2.176	.0215	.9808	.2814	.0000	.4493	1.541
#3	.0035	.0322	2.178	.0219	.9810	.2812	-.0015	.4492	1.541

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2669.4	7505.3	58290.	5585.2
Stddev	5.8	3.5	135.	20.1
%RSD	.21908	.04617	.23216	.35971
#1	2669.7	7501.3	58447.	5562.1
#2	2675.1	7507.2	58211.	5595.1
#3	2663.5	7507.4	58213.	5598.5

Sample Name: FA32395-1 Acquired: 3/23/2016 14:53:36 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.013	7.951	0.306	1.058	0.011	F 1250.	0.010	0.038	0.364
Stddev	0.004	0.055	0.016	0.004	0.001	7.	0.000	0.001	0.003
%RSD	30.49	0.6860	5.333	4.086	6.267	5523	3.038	1.860	7.005
#1	-0.017	7.898	0.317	1.059	0.012	1243.	0.010	0.039	0.367
#2	-0.012	8.007	0.314	1.061	0.011	1257.	0.011	0.038	0.362
#3	-0.009	7.947	0.287	1.053	0.012	1251.	0.010	0.038	0.364
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.040	16.49	8.040	9.848	1.133	0.312	11.71	0.124	0.128
Stddev	0.002	0.10	0.504	0.85	0.004	0.000	0.05	0.001	0.003
%RSD	6.081	0.6190	6.265	8.664	0.3610	0.1261	0.4333	0.6788	2.467
#1	0.041	16.39	8.592	9.766	1.137	0.312	11.65	0.124	0.125
#2	0.041	16.59	7.924	9.936	1.129	0.312	11.75	0.125	0.126
#3	0.037	16.50	7.605	9.842	1.132	0.311	11.72	0.123	0.131
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.022	0.089	2.030	0.122	F 7.220	1.407	0.020	0.340	0.154
Stddev	0.003	0.011	0.06	0.001	0.109	0.003	0.015	0.003	0.001
%RSD	12.02	12.31	2.735	1.212	1.512	2.167	76.21	9.225	5.454
#1	-0.020	0.099	2.025	0.122	7.099	1.409	0.025	0.338	0.153
#2	-0.025	0.092	2.030	0.123	7.252	1.409	0.003	0.344	0.154
#3	-0.022	0.077	2.036	0.120	7.310	1.404	0.032	0.339	0.154
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2245.7	5910.9	46050.	4612.5					
Stddev	6	13.5	278.	50.6					
%RSD	0.2538	2.2783	0.60377	1.0967					
#1	2246.1	5899.8	45775.	4659.6					
#2	2245.0	5925.9	46331.	4559.0					
#3	2246.0	5907.0	46042.	4618.7					

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Sample Name: FA32451-1 Acquired: 3/23/2016 14:58:13 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.055	F 744.5	0.286	3.387	0.199	9.153	0.018	7.002
Stddev	0.026	7.5	0.003	0.049	0.0037	0.051	0.014	0.297
%RSD	47.18	1.005	9.507	1.433	18.47	0.5544	75.56	4.240
#1	-0.025	745.5	0.286	3.381	0.241	9.094	0.002	6.659
#2	-0.068	751.5	0.290	3.439	0.177	9.179	0.025	7.175
#3	-0.071	736.6	0.284	3.342	0.178	9.185	0.028	7.171
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	0.1232	0.0849	339.2	F 101.5	88.98	3.841	0.015	7.158
Stddev	0.006	0.039	2.2	2	30	0.015	0.002	0.037
%RSD	4.725	4.544	0.6503	0.1819	0.3416	0.3827	10.38	0.5131
#1	0.1235	0.0894	339.2	101.5	88.96	3.858	0.014	7.138
#2	0.1225	0.0829	341.4	101.7	89.30	3.834	0.014	7.136
#3	0.1235	0.0825	337.0	101.3	88.69	3.831	0.017	7.201
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	0.1230	0.4299	0.016	-0.014	1.092	0.099	0.066	0.360
Stddev	0.003	0.024	0.038	0.034	0.01	0.004	0.001	0.001
%RSD	2.241	5.588	237.7	250.0	1.190	3.569	1.907	0.277
#1	0.1228	0.4281	-0.028	0.024	1.093	0.097	0.065	23.23
#2	0.1233	0.4326	0.035	-0.042	1.091	0.103	0.067	0.001
#3	0.1228	0.4289	0.041	-0.023	1.093	0.097	0.066	0.001
Elem	Tl1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	F -0.0483	0.8216	8.471					
Stddev	0.0094	0.028	0.013					
%RSD	19.50	3.416	1.499					
#1	-0.0374	8.184	8.463					
#2	-0.0546	8.234	8.485					
#3	-0.0528	8.231	8.464					

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Sample Name: FA32451-1 Acquired: 3/23/2016 14:58:13 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2368.1	14287.	104580.	10003.
Stddev	3.4	10.	383.	38.
%RSD	0.14251	0.06733	0.36669	0.37822
#1	2372.0	14293.	104140.	10003.
#2	2366.1	14293.	104830.	9964.6
#3	2366.2	14276.	104770.	10040.

Raw Data MA13053 page 111 of 135

Sample Name: FA32451-2 Acquired: 3/23/2016 15:03:06 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.043	F 872.6	0.355	1.469	0.107	9.773	-0.014	1.885
Stddev	0.005	6.1	0.022	0.02	0.001	0.039	0.004	0.03
%RSD	12.56	6.963	6.217	1.298	0.5545	4.026	25.04	1.507
#1	-0.041	879.2	0.367	1.470	0.107	9.792	-0.011	1.885
#2	-0.040	867.2	0.330	1.470	0.108	9.799	-0.018	1.882
#3	-0.050	871.4	0.369	1.466	0.107	9.727	-0.013	1.888
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	0.1862	0.1378	388.7	39.23	35.94	2.931	0.049	3.157
Stddev	0.005	0.012	3.7	0.2	0.1	0.024	0.001	0.049
%RSD	2.476	8.595	9.573	0.576	0.315	0.8320	1.643	1.543
#1	0.1859	0.1366	385.0	39.20	35.95	2.958	0.049	3.201
#2	0.1859	0.1390	392.5	39.24	35.95	2.910	0.050	3.105
#3	0.1867	0.1378	388.6	39.24	35.93	2.927	0.048	3.166
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	0.1159	0.4157	-0.033	0.010	1.528	0.225	0.0578	F 11.10
Stddev	0.004	0.005	0.010	0.053	0.02	0.005	0.002	0.08
%RSD	3.820	1.211	29.12	516.5	1.480	2.352	2.639	0.7476
#1	0.1164	0.4160	-0.033	-0.004	1.527	0.221	0.0579	11.03
#2	0.1157	0.4151	-0.023	-0.069	1.527	0.231	0.0579	11.19
#3	0.1155	0.4159	-0.043	-0.034	1.531	0.222	0.0576	11.07
Elem	Tl1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	F -0.0169	0.8478	5.448					
Stddev	0.023	0.017	0.004					
%RSD	13.47	2.020	0.667					
#1	-0.0182	8.497	5.444					
#2	-0.0143	8.469	5.450					
#3	-0.0182	8.467	5.450					

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Sample Name: FA32451-2 Acquired: 3/23/2016 15:03:06 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2564.1	9573.0	69599.	6562.6
Stddev	2.9	12.8	45.	44.3
%RSD	.11420	.13330	.06421	.67533
#1	2560.7	9571.9	69548.	6613.6
#2	2565.8	9586.2	69633.	6534.0
#3	2565.7	9560.8	69616.	6540.1

Sample Name: FA32451-3 Acquired: 3/23/2016 15:07:54 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2523.1	10273.	74484.	6949.9
Stddev	9.6	17.	477.	27.0
%RSD	.38213	.16155	.63992	.38884
#1	2522.5	10254.	73938.	6946.7
#2	2533.0	10282.	74818.	6978.3
#3	2513.8	10284.	74696.	6924.6

Sample Name: FA32451-3 Acquired: 3/23/2016 15:07:54 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.034	F 898.1	.0372	2.393	.0180	4.231	-0.026	F 7.772
Stddev	.0004	5.8	.0008	.010	.0001	.008	.0002	.007
%RSD	12.39	.6413	2.241	.4210	.3113	.1950	7.723	.0889
#1	-0.037	903.6	.0363	2.387	.0180	4.223	-0.024	7.768
#2	-0.036	898.7	.0375	2.388	.0179	4.239	-0.028	7.780
#3	-0.029	892.1	.0379	2.405	.0180	4.232	-0.028	7.768
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.1626	.1979	F 447.0	63.40	63.31	3.563	.0075	.3996
Stddev	.0003	.0005	.9	.08	.09	.019	.0003	.0046
%RSD	.1913	.2432	.1935	.1241	.1475	.5309	3.878	1.151
#1	.1630	.1981	446.6	63.37	63.30	3.569	.0073	.3952
#2	.1624	.1973	446.5	63.33	63.40	3.577	.0074	.3992
#3	.1624	.1982	448.0	63.48	63.22	3.541	.0078	.4044
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3600)
Avg	.1533	.3357	F -.0186	.0273	1.455	.0191	.0914	F 20.42
Stddev	.0002	.0029	.0017	.0023	.001	.0004	.0001	.10
%RSD	.1504	.8687	8.956	8.562	.0461	1.973	1.439	.4815
#1	.1531	.3323	-.0197	.0280	1.456	.0186	.0916	20.53
#2	.1535	.3374	-.0194	.0247	1.456	.0193	.0914	20.35
#3	.1534	.3373	-.0167	.0292	1.455	.0193	.0913	20.38
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	F -.0113	1.013	.8934					
Stddev	.0046	.003	.0020					
%RSD	40.57	.2711	.2257					
#1	-.0103	1.013	.8918					
#2	-.0163	1.011	.8957					
#3	-.0073	1.016	.8927					

Sample Name: FA32451-4 Acquired: 3/23/2016 15:12:44 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.036	F 844.4	.0465	1.132	.0096	5.927	-0.031	F 4.332
Stddev	.0001	8.4	.0009	.000	.0001	.011	.0001	.007
%RSD	3.955	.9966	1.943	.0053	.5981	.1880	4.507	.1565
#1	-0.034	849.9	.0465	1.132	.0096	5.936	-0.031	4.328
#2	-0.036	848.5	.0455	1.132	.0096	5.932	-0.032	4.329
#3	-0.037	834.7	.0473	1.133	.0097	5.915	-0.029	4.340
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.2115	.1534	F 426.6	26.72	25.15	2.490	.0072	.2941
Stddev	.0001	.0001	.9	.06	.07	.018	.0003	.0130
%RSD	.0706	.0482	.2020	.2224	.2888	.7087	4.317	4.410
#1	.2116	.1534	427.0	26.79	25.22	2.469	.0071	.3067
#2	.2113	.1534	427.1	26.71	25.16	2.500	.0070	.2949
#3	.2114	.1535	425.6	26.67	25.07	2.500	.0076	.2808
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.1191	.3680	F -.0080	.0151	2.355	.0274	.0742	F 9.593
Stddev	.0002	.0026	.0019	.0034	.005	.0004	.0002	.044
%RSD	.1986	.6934	24.19	22.75	.1985	1.438	.3009	.4594
#1	.1189	.3671	-.0091	.0146	2.352	.0275	.0741	9.546
#2	.1192	.3661	-.0092	.0188	2.354	.0270	.0745	9.599
#3	.1193	.3709	-.0058	.0120	2.361	.0277	.0741	9.633
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	F -.0136	.9405	.8200					
Stddev	.0019	.0015	.0008					
%RSD	13.75	.1600	.0946					
#1	-.0157	.9401	.8195					
#2	-.0132	.9422	.8195					
#3	-.0120	.9393	.8208					

Sample Name: FA32451-4 Acquired: 3/23/2016 15:12:44 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2615.9	7386.4	54299.	5011.8
Stddev	6.6	11.3	132.	26.7
%RSD	.25365	.15272	.24315	.53250
#1	2623.3	7399.3	54451.	4989.1
#2	2610.5	7378.2	54235.	5005.1
#3	2613.8	7381.7	54212.	5041.2

Sample Name: FA32414-1 Acquired: 3/23/2016 15:17:23 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.009	100.6	.1388	.9571	.0064	F 1122.	.0098	.1203	.1559
Stddev	.0009	.6	.0013	.0041	.0001	5.	.0001	.0001	.0002
%RSD	98.18	.5975	.9361	.4306	1.475	.4139	.9370	.0698	.1138
#1	-0.019	101.1	.1375	.9613	.0064	1124.	.0097	.1203	.1557
#2	-0.005	99.92	.1389	.9531	.0064	1116.	.0099	.1202	.1559
#3	-0.003	100.8	.1401	.9570	.0065	1125.	.0098	.1203	.1561
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3160	245.4	12.58	166.7	F 5.649	.0202	1.623	2.284	1.376
Stddev	.0013	1.3	.10	.9	.025	.0001	.009	.0002	.002
%RSD	.4079	.5281	.7938	.5273	.4491	.3201	.5577	.0685	.1658
#1	.3173	246.3	12.68	167.2	5.653	.0202	1.633	2.285	1.377
#2	.3147	243.9	12.48	165.6	5.621	.0202	1.621	2.282	1.378
#3	.3161	245.9	12.57	167.1	5.671	.0203	1.615	2.283	1.374
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0001	.0026	2.047	.0359	.7617	1.028	.0032	1.952	1.969
Stddev	.0019	.0008	.002	.0003	.0035	.002	.0034	.0004	.004
%RSD	1578.	28.85	.0819	.8644	.4606	.2366	106.3	.1976	.1764
#1	-0.018	.0021	2.045	.0359	.7657	1.025	.0058	.1948	1.965
#2	.0020	.0023	2.048	.0356	.7592	1.030	-.0007	.1956	1.970
#3	.0002	.0035	2.047	.0362	.7601	1.027	.0046	.1952	1.971
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2250.6	6539.5	51182.	4992.8					
Stddev	4.2	3.9	92.	42.7					
%RSD	.18617	.05978	.18030	.85488					
#1	2247.3	6542.2	51076.	4978.1					
#2	2249.2	6535.0	51245.	5040.9					
#3	2255.3	6541.2	51225.	4959.4					

7.1
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Sample Name: FA32414-2 Acquired: 3/23/2016 15:21:57 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	93.87	.1181	1.059	.0072	F 730.7	.0190	.1109	.1527
Stddev	.0001	.17	.0012	.003	.0001	6.3	.0000	.0002	.0002
%RSD	55.77	.1861	.9798	.2653	1.138	.8680	.2455	.1957	.1115
#1	-0.002	93.79	.1192	1.059	.0072	727.4	.0191	.1110	.1525
#2	-0.001	93.75	.1169	1.056	.0072	738.0	.0191	.1106	.1528
#3	-0.003	94.07	.1181	1.062	.0073	726.7	.0190	.1109	.1528
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4233	269.5	9.371	143.4	F 4.884	.0170	1.394	2.229	2.550
Stddev	.0015	.3	.040	.3	.020	.0003	.006	.0005	.004
%RSD	.3606	.1235	.4211	.2226	.4161	1.687	.4205	.2289	.1436
#1	.4226	269.1	9.409	143.4	4.898	.0171	1.394	2.226	2.548
#2	.4250	269.6	9.330	143.1	4.861	.0171	1.400	2.235	2.547
#3	.4222	269.8	9.372	143.7	4.893	.0166	1.388	2.226	2.554
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0009	.0010	1.722	.0702	.5928	1.167	.0005	2.011	F 4.008
Stddev	.0011	.0032	.000	.0004	.0009	.001	.0022	.0005	.002
%RSD	124.2	313.4	.0166	.6033	.1481	.0726	403.8	.2388	.0544
#1	.0008	-.0002	1.721	.0706	.5933	1.168	-.0019	2.006	4.010
#2	.0020	-.0014	1.722	.0703	.5934	1.166	.0023	2.015	4.007
#3	-.0002	.0046	1.722	.0698	.5918	1.168	.0012	2.013	4.006
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2341.8	6511.9	51422.	4917.0					
Stddev	5.4	10.9	85.	22.2					
%RSD	.23260	.16724	.16442	.45155					
#1	2338.9	6501.2	51483.	4935.7					
#2	2348.1	6523.0	51457.	4922.9					
#3	2338.3	6511.6	51325.	4892.4					

Sample Name: FA32414-3 Acquired: 3/23/2016 15:26:31 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.010	86.76	.1292	1.329	.0083	F 903.5	.0252	.1065	.1792
Stddev	.0001	.29	.0008	.006	.0000	6.0	.0001	.0002	.0008
%RSD	9.767	.3357	.6261	.4914	.1397	.6676	.4895	.1953	.4341
#1	-0.011	86.62	.1298	1.327	.0083	896.8	.0254	.1067	.1797
#2	-0.010	87.09	.1295	1.336	.0083	908.6	.0251	.1063	.1783
#3	-0.009	86.56	.1283	1.323	.0083	905.0	.0252	.1066	.1795
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	F 13.49	349.0	8.537	124.4	F 4.677	.0334	1.820	2.481	2.964
Stddev	.18	.5	.026	.5	.020	.0002	.003	.0003	.008
%RSD	1.362	.1365	.3091	.3941	.4199	.7299	.1467	.1292	.2778
#1	13.52	348.6	8.509	124.1	4.656	.0334	1.821	2.478	2.962
#2	13.30	349.5	8.543	124.2	4.695	.0332	1.817	2.481	2.957
#3	13.66	348.7	8.561	125.0	4.680	.0337	1.821	2.484	2.973
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0020	-.0003	1.904	.1937	.6085	1.506	.0030	2.655	F 5.813
Stddev	.0007	.0010	.003	.0010	.0013	.002	.0007	.0012	.004
%RSD	34.35	304.9	.1528	.4985	.2168	.1232	24.56	4.357	.0657
#1	.0016	-.0008	1.907	.1948	.6076	1.506	.0030	2.655	5.810
#2	.0027	-.0010	1.901	.1932	.6100	1.505	.0023	2.644	5.811
#3	.0015	-.0007	1.903	.1931	.6080	1.508	.0038	2.667	5.817
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2335.8	6147.2	49506.	4709.3					
Stddev	3.4	15.4	32.	24.5					
%RSD	.14621	.25060	.06370	.51972					
#1	2332.0	6141.7	49515.	4731.2					
#2	2338.7	6135.3	49532.	4713.8					
#3	2336.5	6164.6	49471.	4682.9					

Sample Name: FA32414-4 Acquired: 3/23/2016 15:31:12 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.007	78.48	1.320	1.164	0.058	888.1	0.157	1.056	1.764
Stddev	0.002	0.02	0.006	0.01	0.000	8.6	0.003	0.002	0.008
%RSD	28.97	0.314	0.4263	0.663	0.4904	0.9682	1.719	0.1855	0.4580
#1	-0.008	78.48	1.314	1.163	0.057	896.5	0.156	1.058	1.773
#2	-0.009	78.50	1.325	1.163	0.058	888.6	0.155	1.055	1.761
#3	-0.005	78.45	1.321	1.165	0.058	879.3	0.160	1.054	1.758
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5848	291.3	9.968	165.4	5.040	0.182	1.537	2.230	2.456
Stddev	0.012	1.2	0.059	9	0.014	0.002	0.05	0.004	0.01
%RSD	0.2078	0.4106	0.5920	0.5660	0.2760	0.9692	0.3298	0.1618	0.0299
#1	5834	291.2	10.03	165.0	5.053	0.183	1.531	2.231	2.456
#2	5855	292.5	9.967	166.4	5.042	0.180	1.539	2.233	2.456
#3	5854	290.1	9.909	164.7	5.025	0.182	1.541	2.226	2.455
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.031	-0.001	1.812	1.020	0.706	9.143	0.003	1.643	2.987
Stddev	0.002	0.024	0.02	0.005	0.012	0.023	0.016	0.007	0.01
%RSD	6.155	2096.	0.1035	0.4417	0.1727	0.2493	0.4980	0.4450	0.0371
#1	0.032	0.023	1.813	1.018	0.700	9.167	-0.007	1.651	2.988
#2	0.031	-0.026	1.810	1.017	0.702	9.140	-0.005	1.637	2.986
#3	0.029	0.000	1.812	1.025	0.698	9.122	0.022	1.641	2.987
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2322.0	6203.7	4955.0	4760.8					
Stddev	2.6	3.1	330.	55.3					
%RSD	0.11376	0.04970	0.66683	1.1614					
#1	2322.6	6204.1	49176.	4714.8					
#2	2319.1	6200.4	49669.	4745.6					
#3	2324.3	6206.6	49804.	4822.2					

Sample Name: CCV Acquired: 3/23/2016 15:35:45 Type: QC
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2560.0	5350.8	4231.0	3867.2
Stddev	5.3	17.6	25.	5.2
%RSD	0.20831	0.32868	0.6023	0.13443
#1	2555.6	5337.3	42300.	3869.7
#2	2558.3	5344.5	42339.	3861.2
#3	2565.9	5370.7	42291.	3870.7

Sample Name: CCV Acquired: 3/23/2016 15:35:45 Type: QC
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.663	42.28	2.062	2.149	1.997	40.24	2.133	2.181	2.056
Stddev	0.005	0.02	0.013	0.006	0.006	0.09	0.010	0.009	0.002
%RSD	0.1763	0.0430	0.6088	0.2796	0.3082	0.2187	0.4600	0.4333	0.1105
#1	2.658	42.27	2.074	2.151	1.996	40.21	2.140	2.188	2.057
#2	2.668	42.27	2.063	2.142	2.004	40.34	2.138	2.185	2.053
#3	2.664	42.30	2.049	2.153	1.992	40.18	2.122	2.170	2.057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.095	40.18	40.89	39.33	1.989	2.172	40.55	2.095	1.978
Stddev	0.01	0.11	0.10	0.17	0.004	0.008	0.03	0.008	0.005
%RSD	0.0365	0.2790	0.2421	0.4195	0.2203	0.3871	0.0814	0.3879	0.2442
#1	2.094	40.09	40.83	39.28	1.985	2.176	40.55	2.101	1.983
#2	2.096	40.31	41.00	39.52	1.990	2.177	40.59	2.099	1.978
#3	2.095	40.15	40.83	39.20	1.994	2.162	40.52	2.086	1.973
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.074	2.113	2.594	2.044	1.981	1.970	1.971	1.968	2.065
Stddev	0.003	0.003	0.008	0.008	0.004	0.002	0.004	0.005	0.010
%RSD	0.1537	0.1363	0.3217	0.3831	0.1984	0.0877	0.2214	0.2398	0.4867
#1	2.072	2.110	2.597	2.049	1.981	1.972	1.969	1.973	2.071
#2	2.077	2.116	2.600	2.048	1.986	1.970	1.976	1.963	2.070
#3	2.071	2.113	2.584	2.035	1.978	1.968	1.969	1.967	2.053
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Sample Name: CCB Acquired: 3/23/2016 15:40:04 Type: QC
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	0.092	0.002	0.002	0.003	0.312	0.000	0.001	0.000
Stddev	0.001	0.076	0.007	0.004	0.000	0.042	0.000	0.002	0.000
%RSD	34.96	82.48	331.1	266.7	17.27	13.58	710.3	194.7	471.8
#1	-0.003	0.052	0.000	-0.002	0.003	0.358	0.000	0.003	0.001
#2	-0.005	0.180	0.010	0.006	0.003	0.275	0.000	-0.001	-0.001
#3	-0.004	0.044	-0.004	0.001	0.002	0.302	0.000	0.001	-0.002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.198	0.069	0.001	0.003	0.005	0.631	-0.001	0.001
Stddev	0.003	0.036	0.0253	0.006	0.000	0.002	0.009	0.001	0.009
%RSD	132.7	18.40	369.2	671.6	10.09	48.47	18.57	94.35	972.6
#1	-0.001	0.225	0.030	-0.005	0.003	0.007	0.636	-0.001	0.008
#2	-0.005	0.211	0.010	0.005	0.003	0.003	0.516	-0.001	0.003
#3	0.000	0.156	-0.019	-0.016	0.002	0.004	0.440	0.000	-0.009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.005	-0.003	0.020	-0.003	0.003	0.003	-0.011	0.001	-0.006
Stddev	0.007	0.012	0.002	0.000	0.001	0.001	0.006	0.001	0.001
%RSD	137.9	402.7	9.530	16.15	35.42	32.95	51.69	58.80	9.370
#1	0.001	0.004	0.022	-0.002	0.004	0.003	-0.005	0.000	-0.005
#2	0.012	0.004	0.019	-0.003	0.003	0.003	-0.012	0.001	-0.006
#3	0.001	-0.017	0.020	-0.003	0.002	0.002	-0.016	0.001	-0.006
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Sample Name: CCB Acquired: 3/23/2016 15:40:04 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2985.5	5646.0	4504.6	3956.1
Stddev	8.7	2.6	67.	26.7
%RSD	.2982	.04627	.14776	.67547

#1	2982.6	5646.9	4502.8	3975.1
#2	2978.7	5643.0	4499.1	3967.6
#3	2995.3	5648.0	4512.0	3925.6

Sample Name: FA32414-5 Acquired: 3/23/2016 15:44:35 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
IS Ref	-0.004	69.96	.1033	.7149	.0052	F 974.5	.0088	.0878	.1217
Avg	.0003	.16	.0006	.0026	.0001	14.3	.0002	.0000	.0001
Stddev	.0003	.16	.0006	.0026	.0001	14.3	.0002	.0000	.0001
%RSD	76.52	.2252	.5565	.3590	1.290	1.467	1.868	.0297	.0591

#1	-0.004	69.82	.1035	.7120	.0052	969.9	.0086	.0878	.1216
#2	-0.001	69.93	.1026	.7167	.0051	963.1	.0089	.0879	.1217
#3	-0.006	70.13	.1036	.7160	.0052	990.5	.0087	.0878	.1218

Elem	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
IS Ref	.3171	187.4	9.276	127.7	3.858	.0318	1.529	.1839	1.440
Avg	.0005	.6	.012	1.0	.008	.0002	.002	.0002	.002
Stddev	.0005	.6	.012	1.0	.008	.0002	.002	.0002	.002
%RSD	.1467	.3451	.1317	.7441	.1966	.6200	.1503	.1226	.1694

#1	.3166	187.2	9.265	128.2	3.867	.0320	1.529	.1837	1.443
#2	.3175	186.8	9.274	126.6	3.852	.0317	1.532	.1839	1.438
#3	.3171	188.1	9.289	128.3	3.857	.0317	1.527	.1842	1.439

Elem	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
IS Ref	.0011	.0011	1.966	.0492	.5969	.9252	.0013	.1618	1.923
Avg	.0008	.0009	.002	.0001	.0001	.0014	.0008	.0003	.003
Stddev	.0008	.0009	.002	.0001	.0001	.0014	.0008	.0003	.003
%RSD	72.53	81.72	.1177	.2756	.0131	.1476	58.76	.2010	.1276

#1	.0010	.0014	1.963	.0491	.5969	.9255	.0017	.1622	1.922
#2	.0019	.0001	1.967	.0494	.5969	.9265	.0018	.1616	1.921
#3	.0003	.0019	1.968	.0492	.5968	.9238	.0004	.1616	1.926

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2286.9	6091.6	4831.3	4560.0
Stddev	4.8	9.3	140.	33.7
%RSD	.21136	.15201	.29052	.73855

#1	2283.0	6082.8	4831.9	4561.7
#2	2292.3	6101.3	4817.0	4592.9
#3	2285.4	6090.8	4845.0	4525.6

7.1
7

Sample Name: FA32414-6 Acquired: 3/23/2016 15:49:09 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_3600)	Cr2677 (Y_3600)
IS Ref	-0.004	81.24	.1168	.7647	.0054	F 1283.	.0084	.0982	.1386
Avg	.0003	.06	.0017	.0025	.0001	9.	.0001	.0003	.0004
Stddev	.0003	.06	.0017	.0025	.0001	9.	.0001	.0003	.0004
%RSD	91.00	.0762	1.442	.3228	1.128	.7304	1.171	.3266	.3159

#1	-0.007	81.16	.1152	.7639	.0054	1293.	.0085	.0979	.1390
#2	-0.002	81.27	.1167	.7627	.0054	1279.	.0085	.0983	.1381
#3	-0.002	81.28	.1185	.7674	.0053	1275.	.0083	.0985	.1387

Elem	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_3710)	Na5895 (Y_2243)	Ni2316 (In2306)	Pb2203 (Y_2243)
IS Ref	.3084	200.4	10.51	186.8	F 4.247	.0168	1.479	1.889	1.319
Avg	.0003	.3	.05	.3	.022	.0001	.015	.0004	.001
Stddev	.0003	.3	.05	.3	.022	.0001	.015	.0004	.001
%RSD	.1042	.1266	.5105	.1602	.5076	.6346	1.017	.2222	.0705

#1	.3081	200.4	10.44	186.7	4.272	.0169	1.463	.1892	1.320
#2	.3086	200.2	10.53	186.6	4.234	.0168	1.480	.1884	1.319
#3	.3086	200.7	10.54	187.2	4.235	.0167	1.493	.1890	1.318

Elem	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
IS Ref	.0002	.0027	2.095	.0348	.7395	.9108	.0016	.1630	1.830
Avg	.0003	.0010	.002	.0004	.0022	.0017	.0014	.0003	.003
Stddev	.0003	.0010	.002	.0004	.0022	.0017	.0014	.0003	.003
%RSD	119.3	38.14	.1110	1.247	.2914	.1899	86.88	.1616	.1427

#1	.0001	.0039	2.098	.0343	.7381	.9128	.0018	.1633	1.827
#2	.0000	.0021	2.094	.0351	.7384	.9103	.0030	.1628	1.832
#3	.0005	.0021	2.093	.0350	.7420	.9095	.0001	.1629	1.832

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2172.8	6164.9	4900.8	4725.0
Stddev	4.5	8.7	171.	8.1
%RSD	.20635	.14162	.34892	.17139

#1	2170.2	6159.6	4881.0	4717.8
#2	2170.2	6160.2	4911.0	4723.6
#3	2178.0	6175.0	4910.3	4733.8

Sample Name: CRIA Acquired: 3/23/2016 15:53:43 Type: Unk
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_3600)	Cr2677 (Y_3600)
IS Ref	.0088	.2324	.0103	.2231	.0052	1.272	.0056	.0584	.0107
Avg	.0005	.0045	.0009	.0021	.0001	.046	.0000	.0001	.0001
Stddev	.0005	.0045	.0009	.0021	.0001	.046	.0000	.0001	.0001
%RSD	6.152	1.953	8.868	.9321	1.350	3.590	.8294	.2419	.8586

#1	.0092	.2372	.0098	.2213	.0053	1.314	.0056	.0583	.0106
#2	.0089	.2319	.0114	.2227	.0052	1.278	.0057	.0586	.0108
#3	.0082	.2281	.0098	.2254	.0052	1.223	.0056	.0584	.0106

Elem	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
IS Ref	.0276	.3665	10.54	5.181	.0163	.0541	10.54	.0452	.0053
Avg	.0001	.0107	.02	.059	.0001	.0003	.03	.0002	.0004
Stddev	.0001	.0107	.02	.059	.0001	.0003	.03	.0002	.0004
%RSD	.2865	2.928	.1706	1.145	.6736	.5619	.2916	.3649	7.922

#1	.0276	.3770	10.53	5.195	.0165	.0538	10.52	.0453	.0054
#2	.0275	.3670	10.53	5.232	.0163	.0540	10.57	.0450	.0057
#3	.0276	.3556	10.56	5.116	.0163	.0544	10.53	.0452	.0049

Elem	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
IS Ref	.0062	.0090	.0056	.0541	.0103	.0098	.0096	.0480	.0219
Avg	.0005	.0006	.0004	.0002	.0001	.0001	.0010	.0002	.0000
Stddev	.0005	.0006	.0004	.0002	.0001	.0001	.0010	.0002	.0000
%RSD	8.509	6.900	7.446	.4478	.7507	.5598	10.63	.4851	.1402

#1	.0064	.0093	.0054	.0540	.0102	.0099	.0093	.0479	.0219
#2	.0066	.0094	.0053	.0540	.0103	.0099	.0108	.0478	.0219
#3	.0056	.0083	.0060	.0544	.0103	.0098	.0088	.0482	.0218

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2845.3	5504.0	4374.3	3876.0
Stddev	3.2	14.7	50.	15.1
%RSD	.11412	.26637	.11316	.38838

#1	2847.9	5513.0	4379.6	3880.8
#2	2846.3	5511.8	4369.9	3859.1
#3	2841.6	5487.0	4373.3	3888.1

Sample Name: ICSA Acquired: 3/23/2016 15:58:06 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.005	F 521.4	-0.004	-0.002	.0000	481.3	-0.003	-0.003
Stddev	.0005	1.5	.0016	.0005	.000	5.2	.0001	.0001
%RSD	91.76	.2846	378.6	183.5	208.3	1.084	15.05	45.11
#1	.0000	519.8	.0012	-0.001	-0.001	483.0	-0.003	-0.004
#2	-0.007	522.7	-0.004	.0001	.0000	475.5	-0.004	-0.002
#3	-0.009	521.7	-0.020	-0.007	-0.001	485.5	-0.004	-0.002
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(In2306)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	-0.003	.0010	190.6	.0913	497.8	-0.004	.0001	.2678
Stddev	.0001	.0001	.6	.0456	2.6	.0001	.0001	.0114
%RSD	40.52	6.943	.3342	49.92	.5156	11.57	119.9	4.254
#1	-0.002	.0010	190.5	.0533	498.6	-0.005	.0001	.2555
#2	-0.004	.0010	189.9	.0788	495.0	-0.004	.0000	.2779
#3	-0.002	.0009	191.2	.1418	500.0	-0.005	.0002	.2701
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	-0.001	F -0.082	.0017	.0011	.0161	-0.003	.0000	-0.004
Stddev	.0002	.0003	.0035	.0024	.0016	.0009	.000	.0002
%RSD	183.4	3.749	202.4	219.3	9.956	315.8	5277.0	41.88
#1	.0001	-0.082	.0051	-0.002	.0179	-0.013	.0000	-0.003
#2	-0.003	-0.079	.0020	-0.004	.0154	.0003	.0002	-0.005
#3	-0.002	-0.085	-0.019	.0038	.0149	.0002	-0.002	-0.002
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	.0000	.0008	-0.0041					
Stddev	.0023	.0002	.0001					
%RSD	2761.0	24.48	2.635					
#1	-0.018	.0010	-0.041					
#2	.0026	.0008	-0.041					
#3	-0.008	.0006	-0.042					

Sample Name: ICSA Acquired: 3/23/2016 15:58:06 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2297.3	4926.4	38374.	3618.6
Stddev	5.9	18.8	83.	18.7
%RSD	.25786	.38140	.21515	.51797
#1	2292.3	4919.3	38290.	3619.4
#2	2303.8	4947.7	38378.	3636.9
#3	2295.8	4912.2	38455.	3599.4

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Sample Name: ICSAB Acquired: 3/23/2016 16:02:45 Type: Unk
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F 1.082	F 529.8	1.114	.5571	.5009	478.1	1.006	.5137	.5099
Stddev	.002	2.5	.005	.0041	.0019	3.3	.005	.0022	.0022
%RSD	.1886	4.667	.4348	.7338	.3780	.6885	.4760	.4207	.4357
#1	1.083	527.7	1.118	.5581	.4997	474.3	1.010	.5152	.5077
#2	1.080	532.5	1.109	.5606	.5030	479.9	1.000	.5113	.5099
#3	1.083	529.1	1.116	.5526	.4998	480.2	1.007	.5148	.5121
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5638	193.6	.1601	499.9	.4883	1.016	.2940	.9847	.9335
Stddev	.0011	.9	.0452	2.0	.0021	.004	.0033	.0057	.0065
%RSD	.1868	.4678	.2821	.3957	.4304	.3692	1.126	.5750	.6955
#1	.5650	193.4	.1796	498.6	.4863	1.018	.2970	.9894	.9397
#2	.5630	194.6	.1922	502.2	.4882	1.012	.2944	.9784	.9267
#3	.5634	192.8	.1084	499.0	.4905	1.019	.2904	.9862	.9340
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.057	1.065	.0540	.9332	1.000	.9193	.9308	.4523	.9645
Stddev	.008	.005	.0006	.0080	.006	.0010	.0035	.0025	.0068
%RSD	.7664	.4631	1.159	.8519	.5929	1.081	.3801	.5604	.7033
#1	1.060	1.064	.0539	.9390	.9997	.9181	.9335	.4494	.9710
#2	1.048	1.061	.0534	.9241	1.006	.9196	.9268	.4535	.9575
#3	1.063	1.071	.0546	.9364	.9947	.9200	.9322	.4540	.9649
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2269.0	4925.9	38519.	3627.0					
Stddev	10.6	18.8	58.	21.8					
%RSD	.46923	.38147	.15021	.60074					
#1	2259.7	4912.8	38534.	3635.7					
#2	2280.6	4947.4	38455.	3602.2					
#3	2266.8	4917.4	38568.	3643.0					

Sample Name: CCV Acquired: 3/23/2016 16:07:14 Type: QC
Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2655	42.21	2.075	2.160	1.993	40.08	2.144	2.199	2.025
Stddev	.0006	.09	.008	.002	.008	.13	.011	.012	.005
%RSD	.2428	.2044	.3877	.1073	.4006	.3339	.4918	.5236	.2636
#1	.2654	42.18	2.069	2.157	1.988	39.93	2.137	2.191	2.027
#2	.2662	42.14	2.084	2.160	1.989	40.19	2.156	2.212	2.018
#3	.2649	42.30	2.071	2.161	2.002	40.13	2.138	2.193	2.028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.075	40.07	40.46	39.01	1.987	2.183	40.20	2.106	1.977
Stddev	.002	.10	.09	.24	.006	.012	.03	.009	.005
%RSD	.0723	.2540	.2180	.6055	.2890	.5702	.0738	.4225	.2513
#1	2.076	39.98	40.36	38.82	1.992	2.173	40.16	2.101	1.978
#2	2.074	40.05	40.52	38.95	1.980	2.197	40.21	2.116	1.981
#3	2.077	40.18	40.51	39.28	1.989	2.179	40.22	2.100	1.971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.086	2.129	2.620	2.049	1.972	1.932	1.970	1.943	2.059
Stddev	.007	.005	.013	.009	.004	.002	.006	.005	.010
%RSD	.3178	.2256	.4821	.4395	.2124	.0913	.3308	.2787	.4975
#1	2.080	2.128	2.609	2.043	1.967	1.934	1.964	1.948	2.053
#2	2.093	2.135	2.633	2.059	1.974	1.930	1.977	1.937	2.070
#3	2.086	2.125	2.617	2.045	1.974	1.933	1.970	1.944	2.052
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Sample Name: CCV Acquired: 3/23/2016 16:07:14 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2544.9	5296.9	42779.	3851.3
Stddev	6.4	20.0	168.	24.2
%RSD	.24972	.37763	.39182	.62886
#1	2546.0	5308.0	42699.	3828.6
#2	2538.0	5273.8	42972.	3876.8
#3	2550.6	5308.8	42667.	3848.5

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Sample Name: CCB Acquired: 3/23/2016 16:11:26 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.005	.0174	.0003	.0000	.0002	.0106	-0.001	.0000	.0000
Stddev	.0005	.0010	.0003	.000	.0000	.0016	.0000	.000	.000
%RSD	87.06	5.861	105.5	1259.	5.054	15.44	7.471	540.7	215.4
#1	.0000	.0167	.0002	.0004	.0002	.0111	-0.001	.0000	-0.002
#2	-0.0009	.0185	.0006	-0.0003	.0002	.0088	-0.001	.0000	.0000
#3	-0.0007	.0168	.0000	-0.0002	.0002	.0120	-0.001	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0063	.0304	-0.0051	.0001	.0004	.0624	-0.001	.0005
Stddev	.0000	.0053	.0291	.0285	.0001	.0004	.0083	.0000	.0001
%RSD	13.79	84.24	95.55	554.1	75.37	91.57	13.29	38.41	21.34
#1	-0.0001	.0116	.0184	-0.0250	.0002	.0009	.0716	-0.001	.0005
#2	-0.0001	.0065	.0636	.0275	.0000	.0002	.0556	-0.001	.0006
#3	-0.0002	.0009	.0093	-0.0179	.0001	.0002	.0599	-0.002	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	-0.0004	-0.0003	-0.0003	.0001	-0.0001	-0.0007	.0000	-0.0009
Stddev	.0008	.0015	.0003	.0001	.0001	.0000	.0010	.0002	.0001
%RSD	137.0	335.4	82.66	38.96	86.15	19.30	142.7	572.8	7.632
#1	.0016	-0.0017	.0000	-0.0002	.0002	-0.0001	-0.0008	-0.0002	-0.0009
#2	.0000	-0.0009	-0.0005	-0.0003	.0001	-0.0001	-0.0016	.0001	-0.0008
#3	.0002	.0012	-0.0005	-0.0005	.0000	-0.0001	.0004	.0002	-0.0009

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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Sample Name: CCB Acquired: 3/23/2016 16:11:26 Type: QC
 Method: 60102007_042011(v23) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2963.3	5587.7	45072.	3901.2
Stddev	3.7	10.5	68.	17.9
%RSD	.12591	.18843	.15074	.45785
#1	2967.5	5596.6	45149.	3910.4
#2	2962.1	5590.4	45044.	3912.5
#3	2960.3	5576.1	45022.	3880.6

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Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000009	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000083	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000005	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000084	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000000	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000011	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000146	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000009	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000041	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000127	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000026	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	-0.000028	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000035	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	0.000006	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000006	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	0.000123	0.536747	0.000000	1.000000
Al 396.152 { 85}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	0.000845	0.198848	0.000000	1.000000
As 189.042 {478}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	-0.000536	0.175178	0.000000	1.000000
Ba 455.403 { 74}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	0.002876	7.521907	0.000000	1.000000
Be 313.042 {108}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	-0.000162	10.777395	0.000000	1.000000
Ca 317.933 {106}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	0.002077	0.247844	0.000000	1.000000
Cd 226.502 {449}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	-0.000861	4.691686	0.000000	1.000000
Co 228.616 {447}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	-0.000620	2.406484	0.000000	1.000000
Cr 267.716 {126}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	-0.000118	0.538087	0.000000	1.000000
Cu 324.754 {104}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	0.005576	0.788431	0.000000	1.000000
Fe 259.940 {130}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	0.002297	0.161340	0.000000	1.000000
In 230.606 {446}*	3/23/2016 9:13:19	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	-0.001049	0.096918	0.000000	1.000000
Mg 279.079 {121}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	-0.000035	0.025181	0.000000	1.000000
Mn 257.610 {131}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	0.000500	2.518364	0.000000	1.000000
Mo 202.030 {467}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	0.001457	0.998442	0.000000	1.000000
Na 589.592 { 57}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	-0.016054	0.396208	0.000000	1.000000
Ni 231.604 {445}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	-0.000097	1.545607	0.000000	1.000000
Pb 220.353 {453}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	-0.000231	0.875157	0.000000	1.000000
Sb 206.833 {463}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	0.000560	0.235295	0.000000	1.000000
Se 196.090 {472}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	-0.000614	0.119704	0.000000	1.000000
Si 212.412 {459}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	0.004915	0.332319	0.000000	1.000000
Sn 189.989 {477}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	0.000291	0.376203	0.000000	1.000000
Sr 407.771 { 83}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	0.000295	15.879705	0.000000	1.000000
Ti 334.941 {101}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	0.002377	2.081219	0.000000	1.000000
Tl 190.856 {477}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	-0.000923	0.282848	0.000000	1.000000
V 292.402 {115}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	-0.000730	0.752393	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	3/23/2016 9:13:19	3/23/2016 8:36:57	Linear	1/Conc	0.002607	2.535140	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999940	0.000057	0.000409	0.001364	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999832	0.005892	0.009397	0.031325	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999960	0.000126	0.000795	0.002652	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999976	0.004189	0.000312	0.001039	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999992	0.003504	0.000071	0.000238	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999821	0.007557	0.003570	0.011898	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999976	0.002647	0.000048	0.000159	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999983	0.001126	0.000104	0.000346	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999980	0.000276	0.000256	0.000853	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999999	0.000071	0.000260	0.000865	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999591	0.007434	0.002786	0.009287	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999949	0.001578	0.031923	0.106410	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999844	0.000716	0.023136	0.077120	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999906	0.002776	0.000044	0.000148	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999997	0.000191	0.000143	0.000478	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999918	0.008158	0.008421	0.028070	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999972	0.000936	0.000164	0.000547	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999850	0.001226	0.000571	0.001903	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999967	0.000154	0.000969	0.003231	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999974	0.000070	0.001718	0.005726	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.986931	0.004370	0.000476	0.001587	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999970	0.000235	0.000315	0.001052	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999986	0.006660	0.000095	0.000316	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999986	0.000876	0.000100	0.000334	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999965	0.000192	0.000981	0.003269	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999993	0.000228	0.000232	0.000774	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999988	0.001004	0.000066	0.000219	OK	1.000000	0.000000	1	0

Sample Name: Blank Acquired: 4/22/2016 10:03:35 Type: Cal
Method: 60102007_042011(v75) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.003	.0020	-0.0007	.0036	.0035	.0074	-0.0009	-0.0005	-0.0002
Stddev	.0001	.0009	.0001	.0007	.0006	.0008	.0001	.0000	.0000
%RSD	35.58	46.75	9.593	19.68	17.84	10.95	13.26	8.789	21.24
#1	-.0002	.0010	-.0006	.0045	.0042	.0084	-.0008	-.0005	-.0001
#2	-.0004	.0022	-.0008	.0032	.0035	.0069	-.0009	-.0006	-.0002
#3	-.0002	.0028	-.0007	.0033	.0029	.0071	-.0011	-.0006	-.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0066	.0019	-0.0074	-0.0003	.0009	.0014	-0.0076	-0.0004	.0006
Stddev	.0003	.0003	.0050	.0006	.0001	.0001	.0042	.0002	.0001
%RSD	4.556	15.86	67.90	208.7	9.491	10.67	54.56	41.71	15.58
#1	.0069	.0021	-.0022	.0002	.0009	.0015	-.0028	-.0002	.0007
#2	.0063	.0022	-.0077	.0000	.0008	.0014	-.0100	-.0005	.0006
#3	.0067	.0016	-.0122	-.0010	.0009	.0012	-.0101	-.0006	.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0008	.0001	.0043	.0004	.0055	.0019	-0.0015	-0.0005	.0007
Stddev	.0001	.0001	.0001	.0001	.0009	.0002	.0001	.0001	.0001
%RSD	11.19	183.5	1.976	36.01	16.23	11.66	5.739	10.67	12.78
#1	.0007	.0002	.0042	.0005	.0064	.0021	-.0015	-.0005	.0008
#2	.0009	.0000	.0044	.0002	.0053	.0017	-.0016	-.0006	.0006
#3	.0008	.0000	.0043	.0004	.0047	.0017	-.0015	-.0005	.0007
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2711.3	4995.1	42759.	3795.1					
Stddev	5.8	22.3	110.	13.6					
%RSD	.21377	.44568	.25706	.35709					
#1	2717.6	5020.2	42869.	3794.1					
#2	2706.1	4977.9	42759.	3782.1					
#3	2710.2	4987.3	42649.	3809.1					

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Sample Name: LowStd Acquired: 4/22/2016 10:08:02 Type: Cal
Method: 60102007_042011(v75) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0349	2.125	.0764	4.316	5.362	2.289	2.245	1.267	.2529
Stddev	.0006	.004	.0001	.008	.018	.010	.003	.002	.0019
%RSD	1.666	.1668	.1255	.1889	.3283	.4491	.1309	.1851	.7384
#1	.0355	2.122	.0764	4.320	5.358	2.281	2.247	1.269	.2536
#2	.0347	2.129	.0763	4.322	5.381	2.300	2.246	1.267	.2543
#3	.0344	2.124	.0764	4.307	5.346	2.285	2.242	1.265	.2508
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4559	1.661	.9084	.2304	1.354	.5197	3.893	.7573	.3745
Stddev	.0004	.005	.0065	.0021	.009	.0003	.006	.0011	.0004
%RSD	.0827	.2944	.7206	.9318	.6323	.0601	.1643	.1414	.0998
#1	.4562	1.660	.9039	.2295	1.356	.5196	3.900	.7586	.3741
#2	.4555	1.667	.9159	.2328	1.361	.5200	3.891	.7567	.3748
#3	.4560	1.657	.9054	.2288	1.344	.5194	3.888	.7567	.3745
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1164	.0546	.1912	.1865	8.232	1.018	.1247	.3403	1.026
Stddev	.0006	.0003	.0007	.0004	.014	.003	.0003	.0006	.005
%RSD	.4739	.5414	.3831	.2056	.1714	.3182	.2140	.1829	.4520
#1	.1169	.0547	.1917	.1869	8.216	1.017	.1250	.3404	1.024
#2	.1165	.0548	.1904	.1864	8.241	1.021	.1247	.3408	1.031
#3	.1158	.0543	.1916	.1861	8.240	1.014	.1244	.3396	1.023
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2521.4	4901.4	42019.	3760.3					
Stddev	5.3	3.1	154.	11.0					
%RSD	.21122	.06277	.36717	.29337					
#1	2525.2	4897.9	41936.	3764.2					
#2	2515.3	4902.7	41923.	3747.9					
#3	2523.7	4903.6	42197.	3768.9					

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7.2
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Sample Name: MidStd Acquired: 4/22/2016 10:11:30 Type: Cal
Method: 60102007_042011(v75) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1403	9.156	.3229	18.05	22.05	9.720	9.102	5.104	1.026
Stddev	.0004	.015	.0007	.05	.02	.019	.006	.001	.004
%RSD	.2646	.1670	.2131	.2740	.1046	.1980	.0624	.0110	.3872
#1	.1400	9.138	.3223	18.00	22.03	9.697	9.105	5.104	1.029
#2	.1407	9.165	.3226	18.10	22.04	9.730	9.096	5.105	1.022
#3	.1402	9.164	.3237	18.04	22.07	9.731	9.106	5.104	1.028
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.840	6.212	3.952	.9936	5.493	2.037	16.69	3.030	1.573
Stddev	.008	.012	.013	.0020	.015	.000	.06	.005	.002
%RSD	.4272	.1947	.3259	.2044	.2722	.0185	.3338	.1554	.0942
#1	1.834	6.200	3.938	.9917	5.508	2.036	16.63	3.027	1.575
#2	1.849	6.224	3.955	.9957	5.478	2.037	16.74	3.028	1.572
#3	1.837	6.212	3.963	.9933	5.494	2.037	16.70	3.036	1.574
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4800	.2260	.6324	.7192	32.77	4.019	.5185	1.343	4.159
Stddev	.0011	.0006	.0012	.0014	.02	.002	.0010	.004	.004
%RSD	.2348	.2597	.1821	.1884	.0718	.0463	.2013	.3255	.0992
#1	.4788	.2255	.6317	.7193	32.78	4.019	.5173	1.345	4.164
#2	.4809	.2267	.6338	.7206	32.75	4.021	.5194	1.338	4.157
#3	.4805	.2260	.6319	.7179	32.79	4.018	.5187	1.346	4.157
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2297.8	4730.0	40280.	3681.3					
Stddev	1.7	5.5	18.	19.5					
%RSD	.07520	.11637	.04390	.52889					
#1	2296.2	4734.7	40291.	3703.4					
#2	2299.7	4731.3	40259.	3666.7					
#3	2297.6	4724.0	40289.	3673.8					

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Sample Name: HighStd Acquired: 4/22/2016 10:15:16 Type: Cal
Method: 60102007_042011(v75) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2807	18.20	.6493	36.06	43.66	19.13	17.86	10.04	1.999
Stddev	.0006	.02	.0010	.07	.10	.04	.03	.01	.004
%RSD	.2254	.1317	.1554	.1936	.2354	.1911	.1867	.0698	.1936
#1	.2802	18.21	.6481	36.01	43.78	19.16	17.84	10.04	2.003
#2	.2814	18.17	.6498	36.03	43.65	19.09	17.83	10.03	2.000
#3	.2804	18.21	.6499	36.14	43.57	19.16	17.89	10.05	1.995
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.661	12.47	7.826	1.971	10.44	4.058	33.43	5.940	3.183
Stddev	.009	.03	.026	.005	.05	.003	.06	.008	.003
%RSD	.2434	.2703	.3267	.2389	.5250	.0784	.1849	.1309	.0923
#1	3.671	12.50	7.803	1.976	10.45	4.060	33.49	5.937	3.179
#2	3.653	12.45	7.821	1.967	10.48	4.054	33.43	5.934	3.185
#3	3.660	12.44	7.854	1.970	10.37	4.058	33.36	5.949	3.184
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S					

Sample Name: HSTD Acquired: 4/22/2016 10:19:08 Type: QC
 Method: 60102007_042011(v75) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5065	80.85	4.076	4.037	4.024	80.07	4.017	4.012	3.987
Stddev	.0005	.25	.006	.007	.009	.17	.007	.009	.033
%RSD	.1047	.3150	.1420	.1857	.2119	.2181	.1747	.2117	.8309

#1	.5059	80.73	4.083	4.030	4.023	80.00	4.021	4.020	3.963
#2	.5065	80.67	4.072	4.038	4.016	79.94	4.021	4.015	3.972
#3	.5069	81.14	4.074	4.045	4.033	80.26	4.009	4.003	4.025

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.037	80.07	80.76	80.34	3.966	4.022	81.28	4.016	4.079
Stddev	.009	.26	.15	.48	.026	.009	.14	.004	.007
%RSD	.2222	.3194	.1898	.5951	.6615	.2284	.1757	.1062	.1702

#1	4.036	79.93	80.61	79.96	3.969	4.031	81.35	4.017	4.081
#2	4.046	79.91	80.76	80.18	3.938	4.022	81.11	4.020	4.085
#3	4.028	80.36	80.91	80.87	3.990	4.013	81.37	4.012	4.072

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.059	4.058	4.681	3.982	4.033	3.982	4.032	4.018	4.011
Stddev	.006	.008	.011	.008	.018	.018	.007	.029	.014
%RSD	.1404	.1997	.2371	.2006	.4405	.4568	.1660	.7252	.3355

#1	4.066	4.066	4.693	3.989	4.020	3.964	4.040	3.992	4.020
#2	4.056	4.050	4.671	3.983	4.025	3.982	4.030	4.011	4.017
#3	4.056	4.058	4.680	3.973	4.053	4.000	4.027	4.050	3.996

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 4/22/2016 10:19:08 Type: QC
 Method: 60102007_042011(v75) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2105.8	4515.6	39194.	3612.7
Stddev	2.3	4.1	203.	13.6
%RSD	.11037	.09096	.51691	.37768

#1	2105.3	4513.6	39341.	3618.7
#2	2108.4	4520.4	39278.	3622.4
#3	2103.8	4513.0	38963.	3597.1

Sample Name: ICV Acquired: 4/22/2016 10:27:46 Type: QC
 Method: 60102007_042011(v75) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2467	41.19	2.026	2.047	2.083	41.77	2.075	2.067	2.068
Stddev	.0007	.17	.006	.009	.004	.21	.003	.004	.013
%RSD	.2785	.4216	.2960	.4569	.2156	.5125	.1569	.1811	.6457

#1	.2464	41.36	2.020	2.057	2.087	42.01	2.073	2.064	2.062
#2	.2475	41.18	2.026	2.046	2.084	41.67	2.072	2.065	2.084
#3	.2462	41.02	2.032	2.038	2.078	41.62	2.078	2.071	2.060

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.000	41.84	41.27	42.38	2.162	1.949	42.30	2.096	2.047
Stddev	.005	.14	.17	.04	.015	.004	.17	.003	.004
%RSD	.2568	.3357	.4074	.0960	.6917	.1777	.4099	.1582	.1905

#1	1.995	41.98	41.43	42.42	2.154	1.948	42.46	2.096	2.049
#2	1.999	41.85	41.27	42.39	2.179	1.947	42.33	2.092	2.042
#3	2.006	41.70	41.10	42.34	2.153	1.953	42.12	2.099	2.049

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.039	2.055	1.007	2.080	1.944	2.023	2.110	1.957	2.086
Stddev	.006	.002	.0013	.004	.009	.008	.002	.006	.006
%RSD	.2899	.0750	1.264	.1826	.4845	.3809	.1088	.3263	.2734

#1	2.043	2.053	.1000	2.078	1.952	2.017	2.112	1.956	2.082
#2	2.032	2.055	.1022	2.077	1.947	2.032	2.107	1.964	2.083
#3	2.041	2.056	.0999	2.084	1.934	2.020	2.111	1.951	2.092

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 4/22/2016 10:27:46 Type: QC
 Method: 60102007_042011(v75) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2279.6	4675.1	39944.	3642.6
Stddev	3.5	1.9	177.	14.1
%RSD	.15447	.04031	.44355	.38730

#1	2278.3	4676.4	40099.	3626.8
#2	2276.9	4673.0	39751.	3654.1
#3	2283.6	4676.1	39982.	3646.9

Sample Name: ICB Acquired: 4/22/2016 10:34:09 Type: QC
 Method: 60102007_042011(v75) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0028	.0002	.0002	-0.001	-0.014	.0000	.0000	-0.001
Stddev	.0002	.0049	.0005	.0001	.0001	.0028	.000	.000	.0001
%RSD	207.5	175.8	260.6	56.10	98.62	193.4	41.30	124.9	71.44
#1	-.0002	.0080	.0008	.0004	.0000	.0015	.0000	.0000	.0000
#2	.0001	.0022	-.0001	.0001	-.0001	-.0017	.0000	.0000	-.0002
#3	-.0001	-.0018	-.0001	.0002	-.0001	-.0040	.0000	-.0001	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.006	.0320	-0.017	.0000	-0.002	.0030	.0001	.0000
Stddev	.0002	.0036	.0279	.0192	.000	.0000	.0054	.0000	.0001
%RSD	274.9	574.3	87.22	1159.	343.6	29.74	182.1	39.25	700.7
#1	.0001	.0020	.0067	-.0016	.0001	-.0001	.0090	.0002	.0000
#2	-.0001	-.0048	.0620	-.0209	-.0001	-.0001	-.0014	.0001	-.0001
#3	-.0002	.0009	.0274	.0176	-.0001	-.0002	.0012	.0002	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.009	-0.012	-0.003	.0004	-0.001	.0000	.0002	.0000	-0.001
Stddev	.0002	.0010	.0002	.0003	.0000	.000	.0011	.000	.0001
%RSD	17.81	79.05	56.34	68.48	38.92	129.6	496.1	553.2	48.59
#1	-.0008	-.0023	-.0003	.0007	-.0001	.0000	-.0008	.0001	-.0001
#2	-.0011	-.0004	-.0004	.0003	-.0001	-.0001	.0013	-.0001	-.0001
#3	-.0009	-.0010	-.0001	.0001	-.0002	-.0001	.0001	.0000	-.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 4/22/2016 10:34:09 Type: QC
 Method: 60102007_042011(v75) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2684.8	4932.3	4241.1	3764.3
Stddev	.7	10.3	169.	4.2
%RSD	.02580	.20924	.39786	.11098
#1	2685.2	4944.3	42529.	3769.1
#2	2684.0	4926.2	42217.	3762.3
#3	2685.1	4926.5	42485.	3761.5

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.006	.0320	-0.017	.0000	-0.002	.0030	.0001	.0000
Stddev	.0002	.0036	.0279	.0192	.000	.0000	.0054	.0000	.0001
%RSD	274.9	574.3	87.22	1159.	343.6	29.74	182.1	39.25	700.7
#1	.0001	.0020	.0067	-.0016	.0001	-.0001	.0090	.0002	.0000
#2	-.0001	-.0048	.0620	-.0209	-.0001	-.0001	-.0014	.0001	-.0001
#3	-.0002	.0009	.0274	.0176	-.0001	-.0002	.0012	.0002	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.009	-0.012	-0.003	.0004	-0.001	.0000	.0002	.0000	-0.001
Stddev	.0002	.0010	.0002	.0003	.0000	.000	.0011	.000	.0001
%RSD	17.81	79.05	56.34	68.48	38.92	129.6	496.1	553.2	48.59
#1	-.0008	-.0023	-.0003	.0007	-.0001	.0000	-.0008	.0001	-.0001
#2	-.0011	-.0004	-.0004	.0003	-.0001	-.0001	.0013	-.0001	-.0001
#3	-.0009	-.0010	-.0001	.0001	-.0002	-.0001	.0001	.0000	-.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CRIA Acquired: 4/22/2016 10:39:38 Type: QC
 Method: 60102007_042011(v75) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0094	.2057	.0112	.2096	.0050	1.089	.0056	.0562	.0110
Stddev	.0001	.0159	.0001	.0013	.0000	.015	.0001	.0001	.0003
%RSD	.9263	7.711	.7184	.6095	.0487	1.359	.9438	2.450	2.322
#1	.0093	.1891	.0112	.2111	.0050	1.084	.0055	.0564	.0109
#2	.0095	.2207	.0111	.2091	.0050	1.078	.0056	.0561	.0109
#3	.0093	.2072	.0112	.2087	.0050	1.106	.0056	.0562	.0113

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0276	.3180	10.50	5.265	.0171	.0517	10.68	.0459	.0052
Stddev	.0002	.0032	.07	.050	.0001	.0002	.02	.0000	.0003
%RSD	.7871	1.017	.6705	.9546	.3355	.3478	.1798	.0578	4.816
#1	.0277	.3147	10.46	5.312	.0171	.0518	10.70	.0458	.0051
#2	.0274	.3182	10.46	5.270	.0171	.0517	10.66	.0459	.0051
#3	.0278	.3211	10.58	5.212	.0172	.0515	10.68	.0459	.0055

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0053	.0096	.0116	.0555	.0102	.0106	.0109	.0517	F .0243
Stddev	.0004	.0018	.0001	.0008	.0001	.0000	.0006	.0003	.0001
%RSD	6.906	18.93	.9262	1.471	.6594	.3733	5.757	.5537	.5408
#1	.0050	.0081	.0115	.0546	.0102	.0106	.0116	.0514	.0244
#2	.0057	.0092	.0117	.0562	.0101	.0107	.0107	.0518	.0241
#3	.0053	.0116	.0116	.0557	.0103	.0106	.0103	.0520	.0243

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail
 Value Range .0200 20.00%

Sample Name: CRIA Acquired: 4/22/2016 10:39:38 Type: QC
 Method: 60102007_042011(v75) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2554.6	4837.6	41469.	3773.5
Stddev	4.1	9.2	71.	21.8
%RSD	.15975	.19082	.17035	.57886
#1	2551.8	4839.0	41536.	3748.9
#2	2552.8	4827.7	41477.	3790.7
#3	2559.3	4846.0	41395.	3780.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0276	.3180	10.50	5.265	.0171	.0517	10.68	.0459	.0052
Stddev	.0002	.0032	.07	.050	.0001	.0002	.02	.0000	.0003
%RSD	.7871	1.017	.6705	.9546	.3355	.3478	.1798	.0578	4.816
#1	.0277	.3147	10.46	5.312	.0171	.0518	10.70	.0458	.0051
#2	.0274	.3182	10.46	5.270	.0171	.0517	10.66	.0459	.0051
#3	.0278	.3211	10.58	5.212	.0172	.0515	10.68	.0459	.0055

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0053	.0096	.0116	.0555	.0102	.0106	.0109	.0517	F .0243
Stddev	.0004	.0018	.0001	.0008	.0001	.0000	.0006	.0003	.0001
%RSD	6.906	18.93	.9262	1.471	.6594	.3733	5.757	.5537	.5408
#1	.0050	.0081	.0115	.0546	.0102	.0106	.0116	.0514	.0244
#2	.0057	.0092	.0117	.0562	.0101	.0107	.0107	.0518	.0241
#3	.0053	.0116	.0116	.0557	.0103	.0106	.0103	.0520	.0243

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail
 Value Range .0200 20.00%

Sample Name: ICSA Acquired: 4/22/2016 10:46:13 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	514.0	.0004	-0.0003	-0.0003	493.4	.0000	-0.0002	.0000
Stddev	.0003	3.8	.0015	.0002	.0000	1.6	.000	.0002	.000
%RSD	487.1	.7416	329.2	66.74	10.53	.3189	5256.	91.39	1059.
#1	.0003	514.4	.0003	-.0004	-.0003	494.9	.0003	-.0004	.0004
#2	-.0003	517.5	-.0009	-.0004	-.0003	493.6	.0000	-.0001	-.0004
#3	-.0001	509.9	.0020	-.0001	-.0004	491.8	-.0003	-.0001	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	191.9	-0.460	537.4	-0.0003	.0000	.1222	.0003	-0.001
Stddev	.0004	.4	.0468	.3	.0000	.0003	.0103	.0000	.0020
%RSD	3674.	.1875	101.6	.0556	7.113	1038.	8.400	18.23	1877.
#1	.0002	191.9	-.0805	537.0	-.0003	.0003	.1314	.0002	-.0003
#2	-.0004	191.5	-.0647	537.6	-.0003	-.0004	.1111	.0003	.0019
#3	.0003	192.2	.0072	537.5	-.0003	.0002	.1242	.0002	-.0020

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0000	.0595	F .0014	-0.0001	.0001	-0.0005	.0008	-0.0017
Stddev	.0009	.0038	.0005	.0003	.0001	.0001	.0020	.0001	.0002
%RSD	130.3	9895.	.8549	20.97	53.18	166.6	396.9	14.23	9.273
#1	.0001	.0042	.0589	.0018	-.0001	.0000	.0009	.0007	-.0016
#2	.0017	-.0032	.0599	.0012	-.0002	.0000	.0003	.0007	-.0019
#3	.0003	-.0009	.0597	.0013	-.0002	.0002	-.0027	.0009	-.0016

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 4/22/2016 10:46:13 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2011.1	4339.5	36033.	3413.2
Stddev	3.8	10.1	186.	6.8
%RSD	.19077	.23363	.51594	.20011
#1	2007.8	4330.5	36192.	3411.4
#2	2015.3	4337.6	35829.	3407.5
#3	2010.2	4350.5	36080.	3420.8

7.2
7

Sample Name: ICSAB Acquired: 4/22/2016 10:56:51 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.051	512.4	1.123	.5239	.5296	499.1	1.010	.4922	.5371
Stddev	.004	8.9	.002	.0015	.0026	4.7	.002	.0006	.0018
%RSD	.3291	1.728	.1761	.2785	.4940	.9408	.1809	.1292	.3444
#1	1.054	506.4	1.124	.5226	.5278	502.8	1.009	.4926	.5365
#2	1.047	508.3	1.120	.5236	.5284	493.8	1.012	.4925	.5356
#3	1.052	522.6	1.123	.5255	.5326	500.7	1.008	.4914	.5391

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5407	192.5	.0566	533.7	.5438	.9702	.1303	1.000	1.001
Stddev	.0007	.7	.0123	3.4	.0018	.0015	.0139	.003	.003
%RSD	.1362	.3787	21.79	.6322	.3337	.1499	10.69	.2529	.2449
#1	.5414	192.4	.0648	534.1	.5426	.9706	.1197	1.002	1.001
#2	.5408	191.8	.0424	530.2	.5429	.9714	.1460	1.001	1.004
#3	.5399	193.3	.0627	536.9	.5459	.9686	.1251	.9972	.9986

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.031	1.041	.0973	.9606	1.025	1.048	.9692	.5003	1.011
Stddev	.005	.010	.0012	.0026	.002	.003	.0045	.0017	.004
%RSD	.4652	.9325	1.239	.2692	.2363	.2901	.4619	.3415	.3716
#1	1.036	1.050	.0971	.9576	1.024	1.046	.9705	.5008	1.008
#2	1.029	1.031	.0986	.9618	1.022	1.046	.9729	.4985	1.015
#3	1.028	1.042	.0963	.9622	1.027	1.051	.9643	.5018	1.010

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 4/22/2016 10:56:51 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1992.1	4324.5	35789.	3398.4
Stddev	2.0	8.0	90.	16.7
%RSD	.09842	.18487	.25097	.49201
#1	1989.8	4316.2	35881.	3399.3
#2	1993.1	4325.1	35701.	3414.7
#3	1993.3	4332.1	35785.	3381.3

Sample Name: CCV Acquired: 4/22/2016 11:04:05 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2492	40.45	2.036	1.967	2.035	41.12	2.104	2.056	2.126
Stddev	.0016	.06	.007	.003	.002	.03	.003	.003	.002
%RSD	.6559	.1582	.3567	.1283	.0793	.0741	.1454	.1421	.0811
#1	.2506	40.47	2.033	1.969	2.034	41.11	2.102	2.057	2.125
#2	.2474	40.50	2.045	1.968	2.035	41.15	2.107	2.058	2.125
#3	.2497	40.38	2.032	1.964	2.037	41.09	2.102	2.053	2.128

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.945	40.13	40.23	41.50	2.164	2.021	40.47	2.089	2.062
Stddev	.002	.01	.04	.15	.008	.003	.06	.005	.004
%RSD	.0822	.0243	.0955	.3730	.3798	.1555	.1482	.2217	.1954
#1	1.947	40.14	40.24	41.66	2.158	2.018	40.45	2.088	2.058
#2	1.946	40.13	40.27	41.48	2.161	2.024	40.54	2.095	2.064
#3	1.944	40.12	40.19	41.36	2.174	2.019	40.43	2.085	2.065

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.982	2.010	1.437	2.062	1.970	2.096	2.036	2.091	2.122
Stddev	.007	.004	.004	.002	.002	.005	.006	.005	.004
%RSD	.3471	.2190	.3131	.0926	.0748	.2382	.3170	.2337	.1667
#1	1.978	2.007	1.434	2.064	1.969	2.092	2.029	2.091	2.126
#2	1.990	2.015	1.442	2.060	1.971	2.094	2.042	2.086	2.120
#3	1.979	2.008	1.435	2.062	1.969	2.102	2.037	2.096	2.120

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/22/2016 11:04:05 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2296.0	4773.9	39888.	3618.6
Stddev	6.3	16.1	20.	4.6
%RSD	.27529	.33754	.04912	.12743
#1	2302.7	4784.6	39910.	3619.4
#2	2290.1	4755.4	39882.	3613.6
#3	2295.1	4781.7	39873.	3622.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.945	40.13	40.23	41.50	2.164	2.021	40.47	2.089	2.062
Stddev	.002	.01	.04	.15	.008	.003	.06	.005	.004
%RSD	.0822	.0243	.0955	.3730	.3798	.1555	.1482	.2217	.1954
#1	1.947	40.14	40.24	41.66	2.158	2.018	40.45	2.088	2.058
#2	1.946	40.13	40.27	41.48	2.161	2.024	40.54	2.095	2.064
#3	1.944	40.12	40.19	41.36	2.174	2.019	40.43	2.085	2.065

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.982	2.010	1.437	2.062	1.970	2.096	2.036	2.091	2.122
Stddev	.007	.004	.004	.002	.002	.005	.006	.005	.004
%RSD	.3471	.2190	.3131	.0926	.0748	.2382	.3170	.2337	.1667
#1	1.978	2.007	1.434	2.064	1.969	2.092	2.029	2.091	2.126
#2	1.990	2.015	1.442	2.060	1.971	2.094	2.042	2.086	2.120
#3	1.979	2.008	1.435	2.062	1.969	2.102	2.037	2.096	2.120

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 4/22/2016 11:09:59 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0050	.0007	.0000	.0000	.0117	.0000	.0001	.0001
Stddev	.0001	.0034	.0005	.0000	.0001	.0029	.0000	.0001	.0002
%RSD	103.2	68.24	74.08	50.07	2367.	24.88	16.40	150.4	297.0
#1	.0003	.0033	.0012	.0000	.0000	.0150	.0000	.0001	-.0002
#2	.0002	.0089	.0006	.0000	-.0001	.0093	.0000	.0001	.0002
#3	.0000	.0027	.0002	.0000	.0000	.0109	.0000	.0000	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	.0052	.0384	.0100	.0001	-0.0001	-0.0014	.0001	-0.0003
Stddev	.0003	.0028	.0262	.0083	.0000	.0002	.0057	.0003	.0002
%RSD	91.66	53.34	68.23	83.03	9.004	118.1	395.7	571.5	72.29
#1	-.0005	.0066	.0469	.0185	.0002	.0000	-.0033	.0004	.0000
#2	-.0003	.0020	.0592	.0097	.0002	-.0003	-.0060	-.0001	-.0003
#3	.0000	.0071	.0090	.0019	.0001	-.0002	.0050	-.0001	-.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-0.0015	-0.0002	.0002	.0000	.0001	-0.0004	.0001	.0001
Stddev	.0008	.0012	.0004	.0002	.0001	.0000	.0007	.0003	.0001
%RSD	482.8	78.63	165.5	87.88	673.1	84.29	174.9	276.5	98.78
#1	.0010	-.0020	-.0005	.0004	.0002	.0001	-.0002	.0002	.0002
#2	-.0007	-.0024	-.0004	.0003	-.0001	.0001	-.0011	-.0002	.0001
#3	.0003	-.0002	.0002	.0000	.0000	.0000	-.0003	.0003	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/22/2016 11:09:59 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2692.8	4971.8	42269.	3730.3
Stddev	5.8	7.3	209.	12.0
%RSD	.21445	.14713	.49355	.32122
#1	2689.6	4968.8	42045.	3725.3
#2	2699.5	4980.2	42303.	3743.9
#3	2689.4	4966.5	42458.	3721.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	.0052	.0384	.0100	.0001	-0.0001	-0.0014	.0001	-0.0003
Stddev	.0003	.0028	.0262	.0083	.0000	.0002	.0057	.0003	.0002
%RSD	91.66	53.34	68.23	83.03	9.004	118.1	395.7	571.5	72.29
#1	-.0005	.0066	.0469	.0185	.0002	.0000	-.0033	.0004	.0000
#2	-.0003	.0020	.0592	.0097	.0002	-.0003	-.0060	-.0001	-.0003
#3	.0000	.0071	.0090	.0019	.0001	-.0002	.0050	-.0001	-.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-0.0015	-0.0002	.0002	.0000	.0001	-0.0004	.0001	.0001
Stddev	.0008	.0012	.0004	.0002	.0001	.0000	.0007	.0003	.0001
%RSD	482.8	78.63	165.5	87.88	673.1	84.29	174.9	276.5	98.78
#1	.0010	-.0020	-.0005	.0004	.0002	.0001	-.0002	.0002	.0002
#2	-.0007	-.0024	-.0004	.0003	-.0001	.0001	-.0011	-.0002	.0001
#3	.0003	-.0002	.0002	.0000	.0000	.0000	-.0003	.0003	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: MP30266-MB1 Acquired: 4/22/2016 11:17:39 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0024	-0.0111	-0.004	-0.003	-0.0035	-0.002	-0.002	.0000
Stddev	.0002	.0028	.0006	.0001	.0001	.0015	.0000	.0001	.000
%RSD	191.4	115.1	50.53	20.36	22.82	42.27	13.31	58.80	1115.

#1 .0000 -0.0008 -0.016 -0.004 -0.004 -0.0028 -0.002 -0.001 -0.001
 #2 .0000 .0036 -0.013 -0.003 -0.003 -0.0025 -0.002 -0.001 -0.001
 #3 .0003 .0044 -0.005 -0.005 -0.002 -0.0052 -0.001 -0.003 -0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0040	.0158	.0090	-0.0011	-0.006	.0141	-0.002	-0.005
Stddev	.0002	.0032	.0417	.0229	.0000	.0001	.0104	.0001	.0010
%RSD	294.9	79.52	264.8	253.4	24.00	17.50	73.28	39.51	198.7

#1 .0002 -0.0067 .0377 .0259 -0.001 -0.005 .0128 -0.002 .0004
 #2 -0.001 -0.0049 .0419 .0182 -0.001 -0.006 .0251 -0.002 -0.015
 #3 .0000 -0.0005 -0.0324 -0.170 -0.001 -0.007 .0045 -0.003 -0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	-0.0005	.0089	.0005	-0.002	-0.002	-0.011	-0.001	-0.002
Stddev	.0005	.0014	.0000	.0003	.0001	.0001	.0003	.0002	.0000
%RSD	55.92	261.2	.5448	48.47	37.11	27.48	25.95	261.1	14.16

#1 .0010 -0.0014 .0089 .0003 -0.003 -0.002 -0.015 .0001 -0.002
 #2 .0003 -0.0013 .0090 .0008 -0.002 -0.002 -0.009 -0.003 -0.002
 #3 .0012 .0011 .0089 .0005 -0.002 -0.003 -0.010 .0000 -0.002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: MP30266-MB1 Acquired: 4/22/2016 11:17:39 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2670.2	4910.2	4297.0	3774.8
Stddev	4.2	.7	33.	36.8
%RSD	.15601	.01437	.07606	.97517

#1 2665.4 4909.5 43007. 3795.1
 #2 2672.4 4910.1 42946. 3732.3
 #3 2672.9 4910.9 42957. 3796.9

Sample Name: MP30266-B1 Acquired: 4/22/2016 11:22:11 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0496	27.56	2.074	2.090	.0539	26.31	.0541	.5339	2172
Stddev	.0003	.16	.003	.013	.0002	.19	.0001	.0002	.0002
%RSD	.7039	.5961	.1485	.6163	.2782	.7363	.1319	.0407	.1120

#1 .0500 27.42 2.070 2.077 .0538 26.12 .0541 .5338 .2173
 #2 .0495 27.53 2.075 2.088 .0541 26.30 .0541 .5337 .2169
 #3 .0493 27.74 2.076 2.103 .0540 26.50 .0540 .5341 .2173

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2671	27.36	25.45	25.83	.5620	.5102	25.88	.5460	.5143
Stddev	.0015	.14	.12	.29	.0025	.0008	.09	.0008	.0008
%RSD	.5598	.5100	.4732	1.124	.4425	.1566	.3476	.1408	.1608

#1 .2662 27.20 25.32 25.42 .5638 .5093 25.79 .5468 .5137
 #2 .2688 27.39 25.48 25.50 .5591 .5107 25.90 .5453 .5152
 #3 .2662 27.48 25.56 25.95 .5630 .5107 25.97 .5460 .5141

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5258	2.073	.0212	.5268	.4925	.5231	2.063	.5150	.5392
Stddev	.0046	.006	.0003	.0011	.0033	.0012	.004	.0023	.0012
%RSD	.8691	.3094	1.286	.2000	.6666	.2221	.2079	.4510	.2285

#1 .5283 2.065 .0214 .5274 .4889 .5220 2.062 .5169 .5380
 #2 .5205 2.076 .0209 .5256 .4933 .5230 2.068 .5124 .5404
 #3 .5285 2.077 .0213 .5274 .4953 .5243 2.060 .5157 .5392

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass

Sample Name: MP30266-B1 Acquired: 4/22/2016 11:22:11 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2386.6	4732.9	40493.	3663.0
Stddev	4.1	4.6	188.	18.1
%RSD	.17322	.09769	.46518	.49513

#1 2389.9 4738.1 40288. 3683.8
 #2 2382.0 4729.2 40534. 3654.4
 #3 2388.0 4731.4 40658. 3650.7

Sample Name: FA33273-1 Acquired: 4/22/2016 11:26:24 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	.0810	.0012	.0131	-.0003	154.1	-.0002	-.0001	.0006
Stddev	.0003	.0113	.0009	.0003	.0001	1.7	.0000	.0001	.0001
%RSD	138.9	13.93	71.64	2.278	21.55	1.072	5.494	60.46	16.39
#1	.0000	.0708	.0017	.0133	-.0003	152.6	-.0002	.0000	.0007
#2	.0001	.0931	.0017	.0134	-.0004	155.8	-.0002	-.0001	.0005
#3	.0005	.0791	.0002	.0128	-.0003	153.8	-.0002	-.0002	.0005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0001	2.009	7.164	2.148	.0127	.0008	7.582	.0000	-.0008
Stddev	.0002	.022	.103	.039	.0000	.0001	.074	.0003	.0009
%RSD	307.3	1.093	1.433	1.791	.3527	8.108	.9825	810.5	108.7
#1	.0001	1.995	7.078	2.145	.0127	.0008	7.529	.0002	-.0005
#2	-.0003	2.034	7.277	2.187	.0127	.0009	7.667	.0002	-.0001
#3	.0000	1.997	7.137	2.110	.0127	.0007	7.549	-.0003	-.0019
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0000	.0001	2.455	.0005	2.825	.0023	-.0001	.0014	.0093
Stddev	.001	.0023	.005	.0004	.028	.0002	.0010	.0003	.0000
%RSD	1169.0	382.2	.2030	77.10	.9935	8.288	665.8	22.81	-.3693
#1	-.0001	-.0024	2.450	.0006	2.802	.0025	-.0009	.0018	.0093
#2	.0008	.0021	2.460	.0001	2.856	.0021	-.0005	.0012	.0092
#3	-.0007	.0005	2.456	.0007	2.816	.0024	.0009	.0013	.0093
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2375.2	4608.6	3954.0	3587.2					
Stddev	5.7	5.3	131.	41.7					
%RSD	.23858	.11468	.33070	1.1612					
#1	2379.1	4613.6	3969.1	3629.9					
#2	2377.7	4603.1	3946.4	3546.6					
#3	2368.7	4609.0	3946.5	3585.2					

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Sample Name: MP30266-D1 Acquired: 4/22/2016 11:30:54 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0003	.0746	.0016	.0123	-.0003	150.0	-.0002	-.0001	.0006
Stddev	.0002	.0049	.0006	.0004	.0000	.4	.0000	.0000	.0003
%RSD	51.74	6.635	37.39	2.989	13.10	.2605	8.541	6.347	41.37
#1	-.0005	.0802	.0010	.0121	-.0003	149.8	-.0002	-.0001	.0006
#2	-.0003	.0726	.0017	.0128	-.0004	149.8	-.0002	-.0001	.0003
#3	-.0002	.0709	.0022	.0122	-.0003	150.4	-.0002	-.0001	.0009
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0000	1.949	6.996	2.084	.0124	.0005	7.412	.0000	-.0006
Stddev	.0002	.009	.014	.019	.0001	.0001	.030	.0000	.0010
%RSD	2446.0	.4604	.1989	.9263	.7068	21.51	.4003	494.2	173.0
#1	-.0001	1.939	7.011	2.107	.0125	.0004	7.400	.0001	-.0014
#2	-.0001	1.957	6.983	2.072	.0124	.0006	7.390	-.0003	-.0010
#3	.0003	1.950	6.993	2.075	.0123	.0006	7.446	.0000	.0006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-.0006	.0023	2.397	.0002	2.748	.0032	-.0005	.0013	.0092
Stddev	.0007	.0005	.006	.0002	.009	.0015	.0008	.0001	.0000
%RSD	116.0	23.53	.2472	86.96	.3075	47.27	175.6	8.579	-.3996
#1	-.0005	.0027	2.399	.0002	2.743	.0049	-.0010	.0014	.0092
#2	.0000	.0017	2.390	.0000	2.742	.0023	-.0008	.0012	.0093
#3	-.0013	.0025	2.402	.0004	2.758	.0023	.0005	.0013	.0092
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2388.1	4637.8	3973.9	3606.0					
Stddev	4.0	.4	290.	17.2					
%RSD	.16819	.00834	.73095	.47787					
#1	2390.3	4637.3	3977.6	3600.5					
#2	2383.5	4638.0	3943.2	3625.3					
#3	2390.5	4638.0	4000.9	3592.2					

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7.2
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Sample Name: MP30266-SD1 Acquired: 4/22/2016 11:35:22 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0012	.0529	.0018	.0120	-.0018	155.2	-.0010	-.0004	-.0005
Stddev	.0022	.0259	.0008	.0008	.0002	.6	.0002	.0004	.0000
%RSD	185.5	48.92	45.38	6.716	8.906	.3558	21.87	111.9	9.972
#1	-.0006	.0340	.0009	.0128	-.0017	155.8	-.0010	.0001	-.0005
#2	.0007	.0423	.0018	.0112	-.0017	155.3	-.0008	-.0008	-.0005
#3	-.0036	.0824	.0025	.0122	-.0020	154.7	-.0013	-.0004	-.0004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0011	1.989	7.247	2.152	.0120	-.0035	7.587	.0003	-.0013
Stddev	.0005	.026	.190	.026	.0002	.0010	.052	.0004	.0041
%RSD	47.30	1.291	2.624	1.202	1.334	27.71	.6874	128.0	304.2
#1	-.0011	1.975	7.464	2.173	.0121	-.0040	7.557	.0000	.0034
#2	-.0016	1.973	7.109	2.123	.0122	-.0040	7.647	.0007	-.0037
#3	-.0006	2.018	7.168	2.161	.0119	-.0023	7.556	.0002	-.0037
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0022	-.0064	2.480	-.0007	2.844	.0026	-.0058	.0006	.0480
Stddev	.0047	.0060	.008	.0007	.010	.0004	.0030	.0011	.0002
%RSD	219.4	93.58	.3080	100.9	.3670	14.34	52.64	195.1	.4212
#1	-.0011	-.0125	2.476	-.0015	2.853	.0024	-.0045	.0011	.0482
#2	-.0019	-.0005	2.489	-.0003	2.848	.0023	-.0092	.0013	.0479
#3	-.0073	-.0063	2.475	-.0002	2.833	.0030	-.0035	-.0007	.0479
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2600.1	4881.4	4156.9	3697.2					
Stddev	1.0	9.5	130.	11.6					
%RSD	.03747	.19531	.31267	.31345					
#1	2600.6	4887.9	4152.2	3683.9					
#2	2600.7	4870.4	4147.0	3704.9					
#3	2599.0	4885.8	4171.7	3702.9					

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Sample Name: MP30266-PS1 Acquired: 4/22/2016 11:39:51 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0489	2.657	1.081	.2737	.0521	155.2	.0528	.0527	.0538
Stddev	.0009	.013	.0009	.0013	.0002	.6	.0002	.0001	.0003
%RSD	1.862	.5014	.8111	.4910	.4027	.3578	.4099	.0962	.5493
#1	.0479	2.656	.1073	.2750	.0520	155.7	.0525	.0527	.0536
#2	.0492	2.670	.1080	.2739	.0523	155.3	.0529	.0526	.0536
#3	.0496	2.644	.1090	.2723	.0520	154.6	.0529	.0527	.0541
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1069	5.043	17.10	7.127	.0668	.1039	17.65	1.049	.0499
Stddev	.0004	.011	.12	.068	.0002	.0001	.03	.0001	.0004
%RSD	.3522	.2138	.7245	.9590	.3686	.0994	.1781	.1216	.8413
#1	.1066	5.047	17.13	7.203	.0670</				

Sample Name: MP30266-S1 Acquired: 4/22/2016 11:44:08 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0502	28.33	2.094	2.137	.0545	181.4	.0527	.5208	2.145
Stddev	.0002	.13	.002	.011	.0003	1.3	.0001	.0002	.0011
%RSD	.4039	.4557	.0888	.5150	.4842	.6955	.2357	.0445	.4967
#1	.0503	28.22	2.093	2.132	.0544	180.2	.0528	.5209	2.135
#2	.0500	28.47	2.096	2.149	.0548	182.7	.0528	.5209	2.156
#3	.0503	28.28	2.093	2.129	.0543	181.4	.0526	.5205	2.144
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2699	29.47	33.54	27.88	.5619	5.033	34.08	.5295	5.158
Stddev	.0013	.12	.21	.20	.0023	.0009	.17	.0004	.0004
%RSD	.4808	.4155	.6219	.7098	.4104	.1883	.5136	.0802	.0838
#1	.2714	29.41	33.35	27.72	.5596	5.032	34.12	.5299	5.160
#2	.2688	29.61	33.76	28.10	.5642	5.043	34.23	.5292	5.162
#3	.2696	29.39	33.50	27.82	.5619	5.024	33.89	.5292	5.154
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5261	2.071	2.472	5.138	3.343	5.212	2.046	5.133	5.352
Stddev	.0002	.004	.003	.0011	.015	.0010	.009	.0013	.0011
%RSD	.0391	.1690	.1113	.2216	.4525	.1960	.4194	.2630	2.054
#1	.5259	2.070	2.469	5.148	3.332	5.209	2.038	5.121	5.364
#2	.5263	2.075	2.474	5.140	3.360	5.223	2.045	5.148	5.343
#3	.5260	2.069	2.473	5.126	3.337	5.203	2.055	5.130	5.350
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2249.6	4643.9	39380.	3575.2					
Stddev	4.4	4.9	111.	17.4					
%RSD	.19363	.10622	.28305	.48686					
#1	2253.7	4649.6	39469.	3589.8					
#2	2250.1	4640.8	39255.	3556.0					
#3	2245.1	4641.3	39415.	3579.9					

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Sample Name: MP30266-S2 Acquired: 4/22/2016 11:48:19 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0508	28.69	2.106	2.152	.0551	183.5	.0531	.5249	2.165
Stddev	.0002	.10	.006	.011	.0001	.5	.0001	.0010	.0005
%RSD	.3907	.3459	.2651	.5011	.2308	.2669	.2480	.1834	.2395
#1	.0510	28.80	2.100	2.165	.0551	184.1	.0530	.5243	2.163
#2	.0509	28.60	2.109	2.146	.0550	183.3	.0531	.5244	2.171
#3	.0506	28.66	2.110	2.146	.0553	183.2	.0533	.5260	2.161
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2729	29.83	33.85	28.27	.5683	5.131	34.43	.5335	5.198
Stddev	.0007	.11	.16	.13	.0008	.0015	.16	.0010	.0009
%RSD	.2648	.3578	.4670	.4707	.1450	.2924	.4657	.1805	.1647
#1	.2737	29.94	34.04	28.12	.5691	5.117	34.60	.5324	5.195
#2	.2726	29.73	33.77	28.32	.5684	5.129	34.29	.5336	5.208
#3	.2723	29.81	33.76	28.37	.5674	5.147	34.39	.5344	5.192
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5273	2.082	2.499	5.225	3.388	5.296	2.062	5.159	5.410
Stddev	.0034	.007	.009	.0012	.011	.0012	.002	.0007	.0004
%RSD	.6373	.3323	.3498	.2251	.3111	.2208	.1150	.1375	0.075
#1	.5234	2.083	2.492	5.229	3.400	5.310	2.060	5.163	5.413
#2	.5291	2.074	2.497	5.212	3.385	5.290	2.065	5.164	5.405
#3	.5293	2.088	2.509	5.234	3.379	5.289	2.062	5.151	5.411
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2254.4	4649.2	39501.	3560.9					
Stddev	3.7	12.1	155.	12.5					
%RSD	.16235	.26086	.39296	.35133					
#1	2258.5	4661.4	39344.	3547.3					
#2	2251.6	4648.9	39505.	3563.4					
#3	2253.1	4637.2	39655.	3572.0					

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7.2
7

Sample Name: FA33258-1 Acquired: 4/22/2016 11:52:30 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0019	2.288	.0859	.0256	-.0013	711.9	-.0008	.0009	.0018
Stddev	.0012	.035	.0029	.0019	.0004	1.4	.0003	.0007	.0006
%RSD	60.80	1.536	3.426	7.259	34.27	2.031	39.04	81.04	31.21
#1	.0032	2.248	.0876	.0267	-.0012	712.1	-.0006	.0009	.0013
#2	.0010	2.315	.0877	.0268	-.0009	713.3	-.0006	.0002	.0024
#3	.0015	2.302	.0825	.0235	-.0017	710.4	-.0012	.0016	.0017
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0051	1.602	38.61	397.4	1.234	0.704	F 7457.	0.034	-.0099
Stddev	.0004	.013	.35	1.3	.0003	.0005	24.	.0003	.0017
%RSD	7.832	.7818	.9054	.3203	.2622	.6629	.3162	10.08	17.54
#1	.0054	1.592	38.25	396.9	.1237	.0698	7466.	.0030	-.0108
#2	.0047	1.597	38.62	398.9	.1233	.0707	7430.	.0036	-.0079
#3	.0054	1.616	38.95	396.5	.1231	.0706	7474.	.0035	-.0110
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0071	.0115	6.775	.0026	13.36	0.762	-.0046	.0535	.0517
Stddev	.0030	.0096	.014	.0028	.05	.0103	.0092	.0005	.0006
%RSD	43.23	83.41	.1993	109.2	.3786	13.52	200.3	1.000	1.230
#1	-.0086	.0041	6.762	.0058	13.30	.0878	-.0047	.0532	.0511
#2	-.0090	.0223	6.774	.0009	13.39	.0681	-.0138	.0532	.0517
#3	-.0035	.0080	6.789	.0010	13.39	.0726	.0046	.0541	.0524
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1866.9	4077.1	32962.	3462.9					
Stddev	4.2	11.0	69.	15.1					
%RSD	.22756	.27051	.21018	.43667					
#1	1868.6	4089.7	32882.	3479.2					
#2	1870.1	4072.5	33010.	3449.3					
#3	1862.1	4069.2	32993.	3460.3					

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Sample Name: FA33258-2 Acquired: 4/22/2016 11:57:04 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0003	2.297	.0117	.0194	-.0013	673.0	-.0011	.0007	.0015
Stddev	.0005	.033	.0018	.0013	.0002	.8	.0003	.0005	.0011
%RSD	145.9	1.432	15.14	6.785	15.45	.1187	24.90	77.54	74.39
#1	-.0007	2.288	.0136	.0209	-.0013	673.9	-.0014	.0012	.0025
#2	-.0002	2.269	.0110	.0190	-.0015	672.5	-.0009	.0007	.0003
#3	-.0004	2.333	.0103	.0183	-.0011	672.6	-.0009	.0001	.0016
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0269	1.821	31.61	402.2	.0884	0.530	F 5049.	0.020	-.0040
Stddev	.0014	.009	.11	4.	.0003	.0004	57.	.0013	.0051
%RSD	5.346	.5169	.3441	.1019	.3885	.7106	1.137	62.93	126.8
#1	.0253	1.826	31.50	402.1	.0881	.0534	5105.	.0007	.0010
#2	.0280	1.810	31.72	402.6	.0883	.0526	4990.	.0032	-.0092
#3	.0273	1.826	31.61	401.8	.0888	.0530	5052.	.0020	-.0039
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_								

Sample Name: CCV Acquired: 4/22/2016 12:01:39 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2535	41.02	2.023	2.031	2.047	41.43	2.061	2.052	2.064
Stddev	.0005	.27	.003	.010	.007	.34	.001	.002	.005
%RSD	.2144	.6579	.1358	.4891	.3524	.8176	.0528	.0772	.2350

#1	.2534	40.81	2.020	2.022	2.041	41.09	2.061	2.051	2.069
#2	.2541	41.32	2.024	2.041	2.055	41.77	2.060	2.053	2.061
#3	.2531	40.91	2.025	2.029	2.045	41.43	2.062	2.054	2.060

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 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.029	40.26	41.06	41.20	2.088	2.026	40.52	2.057	2.035
Stddev	.007	.26	.22	.44	.006	.003	.19	.002	.005
%RSD	.3240	.6383	.5262	1.057	.2863	.1681	.4725	.0861	.2337

#1	2.024	40.07	40.90	40.74	2.095	2.024	40.42	2.055	2.031
#2	2.036	40.55	41.31	41.60	2.084	2.030	40.74	2.057	2.034
#3	2.026	40.15	40.98	41.26	2.086	2.024	40.39	2.059	2.040

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.020	2.026	1.452	2.066	2.030	2.052	2.047	2.035	2.068
Stddev	.008	.007	.002	.005	.011	.003	.004	.004	.002
%RSD	.4000	.3276	.1219	.2387	.5556	.1345	.2034	.2179	.0891

#1	2.013	2.018	1.451	2.060	2.022	2.055	2.042	2.040	2.070
#2	2.018	2.028	1.453	2.070	2.043	2.051	2.049	2.031	2.067
#3	2.029	2.030	1.454	2.068	2.025	2.051	2.050	2.034	2.068

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/22/2016 12:01:39 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2282.4	4718.9	40204.	3589.2
Stddev	5.3	9.7	236.	28.8
%RSD	.23357	.20470	.58735	.80332

#1	2287.3	4726.5	39933.	3612.7
#2	2276.7	4708.0	40323.	3557.1
#3	2283.0	4722.2	40358.	3597.9

Sample Name: CCB Acquired: 4/22/2016 12:05:49 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0014	-0.0004	-0.0001	.0000	.0028	.0000	.0001	.0001
Stddev	.0003	.0013	.0006	.0001	.0000	.0037	.0000	.0001	.0000
%RSD	114.3	93.32	175.5	74.54	227.3	130.8	527.7	76.07	62.84

#1	.0003	.0026	-0.0008	-0.0002	.0000	.0069	.0000	.0001	.0001
#2	-.0001	.0000	.0004	.0000	.0000	.0019	.0000	.0002	.0001
#3	.0004	.0016	-0.0007	-0.0001	.0001	-0.0003	.0000	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0047	.0330	.0087	.0000	.0004	.1002	.0000	-0.0001
Stddev	.0002	.0026	.0232	.0113	.0000	.0004	.0066	.000	.0007
%RSD	140.1	55.97	70.29	129.8	246.1	113.6	6.581	519.0	838.1

#1	.0003	.0077	.0362	.0036	.0000	.0007	.0933	.0001	.0002
#2	.0000	.0027	.0083	.0009	.0000	.0004	.1065	.0000	.0004
#3	.0000	.0038	.0543	.0217	.0000	-.0001	.1007	-.0003	-.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0009	-.0011	.0005	.0002	.0000	.0004	.0009	.0000	.0001
Stddev	.0004	.0016	.0003	.0002	.000	.0001	.0011	.0001	.0000
%RSD	51.28	145.3	51.37	96.23	254.5	34.48	126.1	228.7	19.99

#1	-.0004	-.0001	.0003	.0002	.0000	.0005	.0015	.0001	.0001
#2	-.0013	-.0029	.0008	.0004	.0000	.0004	.0016	.0001	.0001
#3	-.0009	-.0005	.0004	.0000	.0000	.0002	-.0004	-.0001	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/22/2016 12:05:49 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2680.0	4966.1	42713.	3734.8
Stddev	7.6	12.2	144.	19.8
%RSD	.28222	.24608	.33640	.52948

#1	2672.2	4960.6	42720.	3747.6
#2	2687.3	4980.1	42853.	3712.0
#3	2680.4	4957.6	42566.	3744.9

Sample Name: FA33258-3 Acquired: 4/22/2016 12:10:22 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0003	.5802	.0102	.0095	-0.0017	598.9	-0.0009	-0.0002	.0003
Stddev	.0017	.0098	.0026	.0021	.0001	.6	.0001	.0007	.0006
%RSD	570.2	1.684	26.00	22.44	7.940	.0933	5.788	295.0	190.1
#1	.0020	.5792	.0121	.0088	-.0018	599.4	-.0009	-.0004	.0008
#2	-.0003	.5711	.0113	.0079	-.0017	599.0	-.0008	-.0008	.0006
#3	-.0014	.5905	.0072	.0119	-.0015	598.3	-.0009	.0005	-.0004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0027	.3129	22.80	260.9	.0049	.0511	F 3020	.0001	-.0052
Stddev	.0008	.0464	.25	.3	.0001	.0002	.28	.0004	.0028
%RSD	28.43	14.84	1.100	.1303	1.622	.4055	.9160	301.7	53.76
#1	.0019	.2801	22.53	260.7	.0049	.0509	3049.	.0002	-.0038
#2	.0029	.3660	22.85	260.6	.0049	.0513	2994.	.0006	-.0034
#3	.0034	.2926	23.03	261.2	.0050	.0509	3018.	-.0003	-.0084
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0068	.1748	3.765	.0013	10.07	.0227	-0.0029	.0205	.0338
Stddev	.0033	.0048	.023	.0011	.05	.0065	.0025	.0005	.0003
%RSD	48.30	2.747	.6038	84.88	.4861	28.49	87.38	2.471	.7529
#1	-.0103	.1699	3.791	.0001	10.06	.0201	-.0004	.0204	.0337
#2	-.0037	.1795	3.754	.0022	10.03	.0301	-.0054	.0210	.0341
#3	-.0065	.1750	3.750	.0016	10.12	.0180	-.0029	.0200	.0336
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2062.4	4366.8	36145.	3544.0					
Stddev	4.4	7.4	92.	12.7					
%RSD	.21430	.16860	.25470	.35726					
#1	2063.4	4368.4	36084.	3538.6					
#2	2057.5	4358.8	36251.	3558.5					
#3	2066.2	4373.2	36101.	3534.9					

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Sample Name: FA33259-1 Acquired: 4/22/2016 12:14:59 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0021	.7603	.0153	.0149	-0.0017	945.4	-0.0010	.0004	-.0015
Stddev	.0009	.0493	.0028	.0004	.0002	5.9	.0000	.0005	.0016
%RSD	44.43	6.489	18.06	2.970	13.91	.6245	2.500	147.3	103.6
#1	.0030	.7199	.0161	.0144	-.0015	945.2	-.0011	.0005	-.0018
#2	-.0021	.7457	.0176	.0152	-.0016	951.3	-.0010	-.0002	-.0029
#3	.0012	.8153	.0122	.0151	-.0020	939.5	-.0010	.0008	.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0027	.4225	44.15	366.5	.0600	.0431	F 7105	.0024	-.0066
Stddev	.0007	.0127	.27	3.2	.0003	.0007	107.	.0002	.0002
%RSD	25.98	2.994	.6014	.8613	.4405	1.675	1.512	7.489	3.349
#1	.0035	.4116	44.22	367.1	.0599	.0424	7000.	.0022	-.0064
#2	.0026	.4197	44.37	369.3	.0597	.0438	7100.	.0025	-.0068
#3	.0021	.4364	43.85	363.1	.0603	.0431	7215.	.0025	-.0065
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0032	.0148	5.049	.0019	16.80	.0356	-0.0075	.0596	.0458
Stddev	.0043	.0087	.030	.0030	.03	.0074	.0097	.0012	.0002
%RSD	134.8	58.81	.5957	157.4	.1872	20.81	128.4	2.010	.4146
#1	.0009	.0230	5.049	-.0015	16.77	.0375	.0036	.0590	.0456
#2	-.0029	.0158	5.079	.0032	16.83	.0419	-.0140	.0610	.0458
#3	-.0076	.0057	5.019	.0039	16.80	.0274	-.0122	.0588	.0460
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1828.1	4012.5	32545.	3431.5					
Stddev	3.1	7.0	53.	28.8					
%RSD	.16993	.17474	.16396	.83846					
#1	1831.3	4017.8	32605.	3445.7					
#2	1825.1	4004.6	32503.	3398.3					
#3	1828.0	4015.1	32527.	3450.3					

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7.2
7

Sample Name: FA33259-2 Acquired: 4/22/2016 12:19:36 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0005	2.046	.3920	.0228	-0.0015	777.9	-0.0006	.0009	.0005
Stddev	.0012	.047	.0022	.0019	.0001	6.1	.0001	.0003	.0011
%RSD	249.4	2.285	.5649	8.215	4.525	.7889	21.75	28.00	238.8
#1	-.0008	1.994	.3928	.0215	-.0015	776.1	-.0007	.0012	.0006
#2	.0015	2.062	.3937	.0249	-.0016	772.9	-.0004	.0009	-.0007
#3	.0006	2.083	.3895	.0219	-.0015	784.8	-.0007	.0007	.0015
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0032	1.284	33.35	200.4	.0243	.0806	F 4579.	.0010	-.0098
Stddev	.0020	.023	.13	2.1	.0003	.0010	58.	.0005	.0075
%RSD	62.86	1.804	.3816	1.059	1.138	1.258	1.258	50.31	76.92
#1	.0010	1.266	33.41	200.4	.0241	.0796	4641.	.0008	-.0170
#2	.0049	1.276	33.20	198.3	.0246	.0805	4527.	.0006	-.0020
#3	.0036	1.310	33.44	202.5	.0242	.0816	4570.	.0015	-.0103
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0050	.2072	5.762	.0004	12.14	.0536	-.0084	.0721	.0412
Stddev	.0045	.0063	.015	.0013	.08	.0047	.0041	.0003	.0000
%RSD	89.95	3.032	.2647	327.5	.6647	8.753	48.29	4.753	.0498
#1	-.0020	.2144	5.760	-.0007	12.14	.0482	-.0126	.0724	.0413
#2	-.0101	.2043	5.748	.0001	12.06	.0556	-.0080	.0722	.0412
#3	-.0028	.2028	5.778	.0018	12.22	.0569	-.0046	.0718	.0412
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1963.7	4246.8	34706.	3493.2					
Stddev	1.3	5.6	125.	40.2					
%RSD	.06403	.13240	.35973	1.1497					
#1	1965.0	4249.8	34666.	3512.5					
#2	1963.4	4240.3	34846.	3520.1					
#3	1962.5	4250.2	34606.	3447.1					

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Sample Name: FA33259-3 Acquired: 4/22/2016 12:24:12 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0001	.7391	.0131	.0135	-0.0017	854.7	-0.0009	.0005	-.0013
Stddev	.0010	.0340	.0009	.0018	.0004	3.1	.0002	.0001	.0005
%RSD	705.0	4.603	6.631	13.21	22.21	.3641	17.29	10.57	42.81
#1	.0000	.7282	.0140	.0128	-.0022	857.7	-.0011	.0006	-.0006
#2	.0008	.7772	.0122	.0155	-.0014	854.8	-.0008	.0005	-.0015
#3	-.0012	.7118	.0130	.0121	-.0016	851.5	-.0008	.0006	-.0016
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0031	4.182	39.14	358.0	.0342	.0296	F 6091.	-.0005	-.0076
Stddev	.0017	.0048	.16	.9	.0002	.0003	55.	.0008	.0014
%RSD	55.96	1.137	.4059	.2450	.5207	.8886	.9002	149.4	17.96
#1	.0040	4.206	39.17	358.8	.0343	.0295	6138.	-.0014	-.0076
#2	.0041	4.213	39.28	358.3	.0340	.0299	6104.	-.0002	-.0062
#3	.0011	4.128	38.97	357.1					

Sample Name: FA33259-4 Acquired: 4/22/2016 12:28:47 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 11 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 11 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 4 columns: Int. Std., Avg, Stddev, %RSD. Rows include Y_2243, Y_3600, Y_3710.

Table with 4 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Sample Name: FA33260-1 Acquired: 4/22/2016 12:33:17 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 11 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 11 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 4 columns: Int. Std., Avg, Stddev, %RSD. Rows include Y_2243, Y_3600, Y_3710.

Table with 4 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

7.2

7

Sample Name: FA33260-2 Acquired: 4/22/2016 12:37:53 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 11 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 11 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 4 columns: Int. Std., Avg, Stddev, %RSD. Rows include Y_2243, Y_3600, Y_3710.

Table with 4 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Sample Name: FA33260-3 Acquired: 4/22/2016 12:42:30 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 11 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 11 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 4 columns: Int. Std., Avg, Stddev, %RSD. Rows include Y_2243, Y_3600, Y_3710.

Table with 4 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Sample Name: FA33261-1 Acquired: 4/22/2016 12:47:05 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0009	.2072	.0085	.0131	-.0014	764.6	-.0010	-.0001	-.0008
Stddev	.0027	.0252	.0030	.0008	.0002	2.7	.0003	.0006	.0021
%RSD	295.8	12.15	35.32	5.743	15.52	.3491	25.78	860.5	247.5
#1	-.0022	.2149	.0052	.0129	-.0016	763.8	-.0008	-.0006	-.0013
#2	-.0022	.2275	.0112	.0126	-.0012	762.4	-.0013	.0006	.0014
#3	.0027	.1790	.0092	.0140	-.0013	767.6	-.0010	-.0002	-.0026
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0026	.0425	3.033	248.6	.0031	1.011	F 5719	-.0004	-.0021
Stddev	.0011	.0072	.20	1.2	.0001	.0015	52.	.0007	.0000
%RSD	41.89	17.00	.6254	.4874	2.323	1.482	.9106	163.0	.7295
#1	.0018	.0342	32.46	248.0	.0030	.1010	5660.	-.0012	-.0021
#2	.0022	.0468	32.06	247.9	.0031	.1026	5735.	.0002	-.0021
#3	.0039	.0466	32.31	250.0	.0031	.0996	5760.	-.0003	-.0021
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0056	.0699	3.033	.0022	12.68	.0033	-.0023	.0005	.0535
Stddev	.0011	.0060	.04	.0021	.04	.0000	.0038	.0005	.0008
%RSD	19.13	8.651	.1299	98.27	.2777	1.147	161.5	97.82	1.421
#1	-.0044	.0763	3.032	.0013	12.70	.0034	-.0014	.0009	.0531
#2	-.0063	.0690	3.030	.0006	12.64	.0033	-.0065	.0006	.0544
#3	-.0062	.0643	3.038	.0046	12.70	.0033	.0009	.0000	.0531
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1894.4	4102.8	33360.	3453.1					
Stddev	4.1	2.1	177.	26.0					
%RSD	.21761	.05077	.53201	.75385					
#1	1896.2	4104.1	33155.	3479.6					
#2	1889.7	4100.4	33461.	3452.1					
#3	1897.4	4104.0	33464.	3427.5					

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Sample Name: FA33261-2 Acquired: 4/22/2016 12:51:43 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0006	3.066	.0079	.0366	-.0015	879.9	-.0010	.0024	.0012
Stddev	.0019	.035	.0018	.0011	.0003	.8	.0001	.0003	.0016
%RSD	334.2	1.149	22.63	3.066	19.58	.0922	6.628	13.69	131.5
#1	-.0016	3.101	.0093	.0353	-.0017	878.9	-.0010	.0028	.0016
#2	-.0017	3.031	.0084	.0375	-.0016	880.4	-.0009	.0022	.0026
#3	.0016	3.067	.0059	.0370	-.0012	880.2	-.0010	.0022	-.0005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0042	2.211	42.37	235.9	.2838	1.378	F 7957	.0020	-.0050
Stddev	.0010	.020	.27	2.	.0016	.0003	203.	.0007	.0043
%RSD	23.40	.8929	.6484	.1001	.5625	.2010	2.553	32.05	86.33
#1	.0053	2.226	42.18	236.1	.2819	1.380	8182.	.0013	-.0025
#2	.0033	2.189	42.25	236.0	.2848	1.375	7788.	.0025	-.0099
#3	.0041	2.218	42.69	235.7	.2846	1.380	7901.	.0023	-.0025
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0089	-.0007	6.797	.0001	15.94	.0736	-.0101	.0333	.0481
Stddev	.0050	.0060	.035	.0008	.05	.0063	.0028	.0002	.0002
%RSD	56.59	879.2	.5079	640.7	.3177	8.570	27.62	.5950	.5058
#1	-.0053	-.0039	6.789	.0003	15.88	.0663	-.0094	.0334	.0478
#2	-.0068	-.0044	6.834	-.0007	15.97	.0777	-.0077	.0331	.0483
#3	-.0147	.0063	6.767	.0008	15.97	.0768	-.0131	.0334	.0480
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1766.5	3930.6	31649.	3422.9					
Stddev	3.2	4.4	36.	11.0					
%RSD	.18281	.11074	.11416	.32219					
#1	1770.2	3932.3	31683.	3419.2					
#2	1765.1	3925.7	31611.	3435.3					
#3	1764.1	3933.8	31653.	3414.3					

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7.2
7

Sample Name: CCV Acquired: 4/22/2016 12:56:20 Type: QC
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.547	41.09	2.021	2.025	2.057	41.45	2.057	2.052	2.067
Stddev	.0006	.07	.003	.005	.002	.10	.004	.002	.001
%RSD	.2162	.1794	.1351	.2464	.0775	.2298	.1774	.0734	.0279
#1	.2553	41.01	2.019	2.020	2.057	41.46	2.053	2.050	2.066
#2	.2543	41.13	2.019	2.025	2.059	41.55	2.057	2.051	2.067
#3	.2544	41.14	2.024	2.030	2.055	41.36	2.061	2.053	2.067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.025	40.27	41.03	41.54	2.091	2.025	40.02	2.056	2.029
Stddev	.011	.06	.14	.09	.003	.003	.18	.003	.006
%RSD	.5526	.1370	.3321	.2243	.1268	.1541	.4526	.1532	.3175
#1	2.036	40.23	40.89	41.47	2.093	2.021	39.84	2.055	2.030
#2	2.026	40.34	41.16	41.64	2.090	2.025	40.01	2.054	2.023
#3	2.013	40.25	41.04	41.49	2.088	2.028	40.20	2.060	2.035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.014	2.023	1.453	2.066	2.026	2.054	2.045	2.037	2.067
Stddev	.009	.005	.002	.004	.004	.004	.001	.002	.006
%RSD	.4597	.2441	.1564	.1841	.2015	.1709	.0536	.1157	.3026
#1	2.008	2.029	1.450	2.061	2.022	2.058	2.045	2.037	2.061
#2	2.010	2.020	1.453	2.068	2.030	2.053	2.044	2.040	2.073
#3	2.025	2.020	1.455	2.068	2.026	2.051	2.046	2.035	2.068
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 4/22/2016 12:56:20 Type: QC
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2280.9	4709.9	40061.	3531.3
Stddev	3.7	6.5	42.	16.7
%RSD	.16126	.13840	.10424	.47411
#1	2278.8	4709.9	40014.	3549.9
#2	2285.2	4716.4	40075.	3517.4
#3	2278.8	4703.4	40094.	3526.6

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Sample Name: CCB Acquired: 4/22/2016 13:00:30 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0009	-0.001	.0000	-0.001	.0035	-0.001	.0000	.0000
Stddev	.000	.0060	.0003	.0002	.0001	.0030	.0000	.0000	.000
%RSD	230.5	647.1	231.0	790.5	52.37	85.35	25.73	132.8	972.6
#1	.0000	.0045	.0002	-0.002	.0000	.0035	-0.001	.0001	.0001
#2	.0000	-0.0060	-0.0003	.0002	-0.0001	.0064	-0.0001	.0000	.0000
#3	-0.0001	.0044	-0.0003	.0000	-0.0001	.0005	-0.0001	.0001	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0045	.0288	-0.0105	.0000	.0003	.2679	.0000	-0.0002
Stddev	.0001	.0035	.0325	.0032	.000	.0002	.0076	.0001	.0005
%RSD	3274.	77.96	112.8	30.51	66.09	68.48	2.822	2901.	219.8
#1	-0.0001	.0005	.0631	-0.140	.0000	.0005	.2721	.0001	-0.0008
#2	.0001	.0067	.0250	-0.077	.0000	.0002	.2725	-0.0001	-0.0001
#3	.0000	.0062	-0.016	-0.099	.0000	.0001	.2592	.0000	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.0007	.0010	.0000	-0.0001	.0004	-0.0002	.0001	.0000
Stddev	.000	.0005	.0006	.0001	.0001	.0001	.0007	.0001	.000
%RSD	286.4	66.70	58.62	209.1	119.4	31.70	419.3	116.8	186.0
#1	.0000	-0.0009	.0003	.0000	-0.0001	.0006	-0.0005	.0001	-0.0001
#2	-0.0001	-0.0002	.0013	.0001	.0000	.0004	.0008	.0001	.0000
#3	.0000	-0.0011	.0014	.0000	-0.0001	.0003	.0002	.0000	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/22/2016 13:00:30 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2681.3	4951.9	42279.	3649.5
Stddev	6.4	3.6	80.	7.5
%RSD	.23805	.07237	.18847	.20555
#1	2674.8	4950.7	42293.	3641.7
#2	2687.6	4955.9	42350.	3650.0
#3	2681.5	4949.0	42193.	3656.7

Sample Name: FA33261-3 Acquired: 4/22/2016 13:05:03 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0006	.5572	.0052	.0223	-0.0010	584.0	-0.0005	.0001	.0011
Stddev	.0013	.0610	.0047	.0004	.0002	1.0	.0001	.0001	.0009
%RSD	203.3	10.95	92.13	1.947	25.41	.1725	16.65	191.5	84.10
#1	-0.0021	.5742	.0094	.0228	-0.0008	584.3	-0.0006	.0002	.0021
#2	-0.0002	.6078	.0060	.0219	-0.0008	582.9	-0.0004	.0001	.0003
#3	.0004	.4895	.0000	.0223	-0.0013	584.8	-0.0006	-0.0001	.0008

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0043	.3246	24.50	119.5	.0469	.0572	F 4764.	.0005	-0.0046
Stddev	.0017	.0156	.27	.6	.0014	.0010	.9	.0012	.0026
%RSD	39.98	4.807	1.082	.5233	2.995	1.664	.1814	247.1	55.45
#1	.0048	.3402	24.50	119.7	.0461	.0582	4762.	.0018	-0.0058
#2	.0058	.3090	24.23	119.9	.0462	.0563	4757.	.0001	-0.0017
#3	.0024	.3244	24.76	118.8	.0486	.0573	4774.	-0.0005	-0.0064

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0029	.0577	3.312	.0011	7.499	.0192	-0.0072	.0132	.0416
Stddev	.0023	.0066	.001	.0014	.034	.0035	.0072	.0010	.0002
%RSD	79.99	11.47	.0353	132.4	.4566	18.43	100.2	7.878	.3815
#1	-0.0013	.0646	3.311	.0011	7.482	.0154	-0.0129	.0122	.0416
#2	-0.0018	.0569	3.313	.0024	7.477	.0198	.0009	.0132	.0414
#3	-0.0056	.0515	3.312	-0.0004	7.539	.0224	-0.0095	.0143	.0417

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1969.2	4208.5	34658.	3488.2
Stddev	3.7	13.0	35.	6.4
%RSD	.19028	.30834	.10062	.18357
#1	1973.3	4223.5	34655.	3488.9
#2	1968.6	4201.1	34625.	3494.2
#3	1965.9	4201.0	34695.	3481.5

Sample Name: FA33262-1 Acquired: 4/22/2016 13:09:41 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0005	6.107	.0120	.0623	-0.0013	1184.	-0.0009	.0032	.0056
Stddev	.0007	.080	.0041	.0012	.0003	6.	.0000	.0003	.0011
%RSD	144.4	1.309	34.60	1.945	24.97	.4917	1.495	9.723	19.03
#1	.0000	6.142	.0072	.0621	-0.0010	1188.	-0.0009	.0035	.0058
#2	.0002	6.162	.0143	.0611	-0.0017	1186.	-0.0009	.0030	.0066
#3	.0013	6.015	.0144	.0635	-0.0012	1177.	-0.0009	.0031	.0045

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0046	6.178	66.11	276.6	.2162	.1626	F 8812.	.0070	-0.0064
Stddev	.0014	.019	.11	2.1	.0005	.0009	.447	.0013	.0038
%RSD	30.59	.3051	.1676	.7508	.2542	.5694	5.070	19.28	59.34
#1	.0048	6.194	66.19	278.1	.2168	.1636	9295.	.0063	-0.0033
#2	.0031	6.182	66.15	277.5	.2158	.1624	8414.	.0061	-0.0053
#3	.0059	6.157	65.98	274.2	.2159	.1618	8727.	.0085	-0.0107

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0099	.0724	10.61	.0013	F 21.60	.0751	-0.0134	.0134	.0605
Stddev	.0016	.0048	.02	.0013	.08	.0006	.0060	.0019	.0002
%RSD	16.13	6.671	.1963	103.7	.3814	.7991	44.85	13.83	.3186
#1	-0.0087	.0697	10.61	.0028	21.56	.0758	-0.0070	.0150	.0603
#2	-0.0117	.0696	10.58	.0007	21.69	.0748	-0.0190	.0114	.0606
#3	-0.0093	.0780	10.62	.0003	21.54	.0747	-0.0142	.0139	.0606

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1673.3	3786.3	30712.	3439.6
Stddev	2.0	5.8	150.	23.3
%RSD	.11993	.15339	.48735	.67883
#1	1671.1	3785.5	30807.	3429.6
#2	1673.6	3792.4	30790.	3422.9
#3	1675.1	3780.9	30540.	3466.3

Sample Name: FA33262-2 Acquired: 4/22/2016 13:14:18 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :

Table with 11 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 11 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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Sample Name: FA33262-3 Acquired: 4/22/2016 13:18:53 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :

Table with 11 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 11 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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Sample Name: FA33263-1 Acquired: 4/22/2016 13:23:29 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :

Table with 11 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 11 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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Sample Name: FA33263-2 Acquired: 4/22/2016 13:28:05 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :

Table with 11 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 11 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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Sample Name: FA33263-3 Acquired: 4/22/2016 13:32:45 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	4.883	5.058	0.174	-0.018	950.8	-0.009	0.009	0.047
Stddev	.0022	.0068	.0003	.0002	.0003	2.0	.0001	.0004	.0015
%RSD	827.0	1.397	.0664	1.394	16.97	.2124	14.00	52.32	32.35
#1	.0021	4.956	.5060	.0173	-.0015	951.2	-.0011	.0009	.0057
#2	-.0008	4.873	.5060	.0177	-.0021	952.7	-.0008	.0013	.0054
#3	-.0022	4.821	.5054	.0173	-.0019	948.7	-.0009	.0004	.0029

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.021	2.837	48.71	54.58	0.109	2.383	F 6846	-0.008	-0.015
Stddev	.0009	.0209	.10	.39	.0003	.0008	73.	.0002	.0069
%RSD	41.77	7.382	.2031	.7160	2.405	.3345	1.059	27.62	60.38
#1	.0029	2.811	48.60	54.36	.0106	2.392	6823.	-.0010	-.0128
#2	.0023	2.642	48.74	55.03	.0111	2.381	6787.	-.0006	-.0177
#3	.0012	3.058	48.80	54.34	.0110	2.377	6927.	-.0010	-.0040

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.011	4.101	3.323	-0.006	13.81	0.067	-0.087	1.283	0.034
Stddev	.0042	.0080	.015	.0008	.03	.0011	.0125	.0006	.0007
%RSD	401.5	1.945	.4622	120.5	.1980	16.30	143.8	48.73	1.981
#1	-.0025	4.049	3.308	-.0011	13.82	0.058	-.0191	1.279	0.0336
#2	-.0001	4.061	3.321	-.0011	13.82	0.064	-.0051	1.279	0.0338
#3	.0057	4.193	3.339	.0002	13.78	0.079	-.0120	1.290	0.0349

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1829.0	4040.1	3263.1	3425.6
Stddev	3.8	8.5	72.	15.7
%RSD	.20617	.21065	.22060	.45731
#1	1828.7	4047.1	32640.	3429.1
#2	1832.9	4042.7	32555.	3408.5
#3	1825.4	4030.6	32698.	3439.2

Sample Name: CCV Acquired: 4/22/2016 13:37:21 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.545	41.12	2.022	2.046	2.046	41.51	2.057	2.055	2.072
Stddev	.0005	.33	.006	.010	.011	.34	.003	.003	.011
%RSD	.2142	.8023	.2980	.4940	.5168	.8311	.1347	.1452	.5445
#1	.2550	41.40	2.021	2.053	2.055	41.68	2.058	2.056	2.060
#2	.2546	41.21	2.028	2.049	2.049	41.74	2.059	2.057	2.073
#3	.2539	40.76	2.016	2.034	2.034	41.11	2.054	2.051	2.082

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.028	39.97	41.43	41.03	2.090	2.028	39.81	2.053	2.035
Stddev	.005	.31	.34	.54	.007	.001	.21	.003	.003
%RSD	.2655	.7750	.8315	1.308	.3197	.0371	.5157	.1587	.1240
#1	2.035	40.16	41.63	41.52	2.083	2.028	39.93	2.055	2.033
#2	2.025	40.14	41.63	41.12	2.089	2.027	39.93	2.055	2.035
#3	2.025	39.62	41.03	40.45	2.097	2.027	39.58	2.050	2.038

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.020	2.031	1.454	2.072	2.042	2.053	2.041	2.042	2.070
Stddev	.006	.005	.001	.003	.016	.003	.007	.008	.004
%RSD	.2754	.2263	.0847	.1517	.7645	.1647	.3639	.3873	.2185
#1	2.025	2.036	1.455	2.074	2.054	2.050	2.034	2.034	2.073
#2	2.020	2.027	1.454	2.073	2.048	2.053	2.040	2.043	2.073
#3	2.014	2.030	1.452	2.068	2.024	2.057	2.049	2.050	2.065

7.2
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Sample Name: CCV Acquired: 4/22/2016 13:37:21 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2271.0	4708.5	40049.	3567.4
Stddev	5.0	8.3	129.	35.2
%RSD	.21989	.17667	.32208	.98797
#1	2276.7	4709.3	40187.	3536.9
#2	2267.6	4699.8	40028.	3559.4
#3	2268.7	4716.4	39932.	3606.0

Sample Name: CCB Acquired: 4/22/2016 13:41:32 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.001	0.014	0.000	0.002	-0.001	0.062	0.000	0.001	0.001
Stddev	.0001	.0065	.000	.0001	.0000	.0019	.0000	.0000	.0000
%RSD	52.39	464.9	1540.	73.49	55.37	31.11	41.59	26.71	28.41
#1	.0002	.0045	.0004	.0003	.0000	.0043	.0001	.0001	.0002
#2	.0002	-.0060	-.0001	.0002	-.0001	.0082	.0000	.0001	.0001
#3	.0001	.0057	-.0003	.0001	-.0001	.0060	.0000	.0001	.0001

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.000	0.034	-0.0256	-0.010	0.000	0.004	0.3077	0.001	-0.007
Stddev	.000	.0012	.0144	.0079	.0000	.0003	.0079	.001	.0003
%RSD	254.2	35.93	56.28	819.1	104.4	73.60	2.564	116.5	49.93
#1	.0001	.0020	-.0108	-.0090	.0000	.0006	.3113	.0001	-.0004
#2	-.0001	.0044	-.0264	-.0007	.0001	.0004	.3132	.0002	-.0011
#3	-.0001	.0039	-.0396	.0068	.0000	.0001	.2987	.0000	-.0006

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.000	-0.014	0.012	0.003	0.000	0.005	-0.004	-0.001	0.001
Stddev	.001	.0021	.0003	.0003	.000	.0001	.0008	.0001	.0001
%RSD	1017.	156.3	28.62	85.41	237.3	18.66	221.0	143.7	116.5
#1	-.0005	.0003	.0008	.0000	.0000	.0006	-.0013	-.0002	.0002
#2	.0005	-.0006	.0013	.0005	.0000	.0005	.0002	-.0001	.0001
#3	-.0001	-.0038	.0014	.0004	-.0001	.0004	.0000	.0000	.0000

Sample Name: CCB Acquired: 4/22/2016 13:41:32 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2674.6	4956.3	42569.	3626.0
Stddev	5.6	2.8	201.	25.4
%RSD	.20906	.05750	.47184	.69928
#1	2668.2	4958.4	42641.	3653.0
#2	2678.7	4953.0	42724.	3602.7
#3	2676.8	4957.3	42342.	3622.2

Sample Name: MP30269-MB1 Acquired: 4/22/2016 13:59:49 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm
Avg	.0005	.0066	.0000	.0006	-.0016	.0080	-.0009	-.0008
Stddev	.0012	.0110	.002	.0007	.0001	.0031	.0000	.0001
%RSD	246.4	165.2	4395.	123.8	4.387	39.20	4.025	15.95
#1	.0018	.0160	.0000	.0013	-.0016	.0084	-.0009	-.0008
#2	.0000	.0094	-.0017	-.0001	-.0017	.0047	-.0010	-.0007
#3	-.0004	-.0054	.0016	.0004	-.0016	.0110	-.0010	-.0010

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem Units	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm
Avg	.0019	-.0007	-.0015	-.0483	-.0853	.0004	-.0043	.8725
Stddev	.0054	.0004	.0155	.1902	.1795	.0002	.0001	.0402
%RSD	284.7	52.21	1066.	393.9	210.5	47.33	2.693	4.607
#1	-.0004	-.0003	-.0186	-.2504	.1217	.0002	-.0044	.8641
#2	-.0020	-.0011	.0029	-.0215	-.1800	.0004	-.0043	.9162
#3	.0080	-.0007	.0114	.1271	-.1976	.0005	-.0041	.8371

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem Units	Ni2316 ppm	Pb2203 ppm	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm
Avg	-.0003	.0000	-.0016	F -.0082	.0193	F .0345	-.0011	-.0009
Stddev	.0006	.0018	.0035	.0079	.0011	.0006	.0002	.0003
%RSD	189.1	3903.	219.9	96.66	5.893	1.872	17.65	34.01
#1	-.0006	.0020	.0018	-.0031	.0195	.0339	-.0009	-.0012
#2	-.0007	-.0016	-.0014	-.0041	.0203	.0346	-.0012	-.0008
#3	.0004	-.0002	-.0053	-.0173	.0181	.0352	-.0013	-.0007

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Fail .0050 -0.050 None Chk Fail .0250 -0.0250 Chk Pass Chk Pass

7.2
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Sample Name: MP30269-MB1 Acquired: 4/22/2016 13:59:49 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	-.0032	-.0012	F .0368
Stddev	.0059	.0003	.0001
%RSD	183.6	22.50	.2666
#1	-.0026	-.0011	.0369
#2	-.0095	-.0010	.0369
#3	.0024	-.0016	.0367

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Fail .0100 -0.0100

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2644.8	4893.9	41703.	3559.3
Stddev	1.4	6.3	85.	9.4
%RSD	.05188	.12836	.20356	.26377
#1	2643.8	4886.7	41775.	3553.2
#2	2646.4	4896.4	41609.	3554.6
#3	2644.3	4898.5	41725.	3570.1

Sample Name: MP30269-B1 Acquired: 4/22/2016 14:04:22 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0481	28.03	1.997	2.076	.0518	27.02	.0526	.5380	.2175
Stddev	.0021	.09	.005	.007	.0006	.03	.0002	.0013	.0012
%RSD	4.305	.3076	.2541	.3164	1.144	.1275	.3325	.2485	.5559
#1	.0484	28.03	1.997	2.074	.0522	26.98	.0525	.5395	.2169
#2	.0499	27.94	2.002	2.070	.0512	27.04	.0528	.5375	.2189
#3	.0458	28.11	1.992	2.083	.0522	27.04	.0525	.5369	.2167

Check ? Value Range
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.2679	27.50	26.06	26.33	.5709	.5031	26.19	.5466	.5017
Stddev	.0020	.15	.37	.15	.0027	.0021	.03	.0017	.0035
%RSD	.7335	.5473	1.418	.5562	.4699	.4080	.1255	.3172	.7049
#1	.2669	27.46	25.75	26.44	.5720	.5052	26.22	.5450	.4979
#2	.2701	27.38	26.47	26.39	.5729	.5030	26.19	.5485	.5023
#3	.2666	27.67	25.97	26.16	.5679	.5011	26.16	.5464	.5049

Check ? Value Range
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.4997	2.007	.0374	.5944	.5100	.5263	2.042	.5038	.5904
Stddev	.0033	.003	.0041	.0017	.0012	.0015	.002	.0010	.0012
%RSD	.6699	.1332	11.03	.2938	.2359	.2878	.0960	.2044	.2103
#1	.5036	2.005	.0415	.5963	.5087	.5266	2.042	.5036	.5915
#2	.4978	2.005	.0376	.5929	.5101	.5277	2.044	.5049	.5906
#3	.4979	2.010	.0333	.5940	.5111	.5247	2.040	.5029	.5890

Check ? Value Range
 Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass

Sample Name: MP30269-B1 Acquired: 4/22/2016 14:04:22 Type: QC
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2558.0	4881.4	4112.7	3531.7
Stddev	7.9	7.4	144.	9.7
%RSD	.31012	.15126	.35115	.27355

#1	2566.5	4876.0	4096.2	3538.6
#2	2556.9	4889.8	4119.1	3520.6
#3	2550.7	4878.4	4122.9	3535.7

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Sample Name: FA32107-16 Acquired: 4/22/2016 14:08:43 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0007	191.7	.0228	2.130	.0032	102.8	.0011	.0437	.2827
Stddev	.0009	1.5	.0047	.018	.0003	.4	.0003	.0005	.0016
%RSD	128.2	.7695	20.49	.8314	8.174	.3440	24.89	1.092	.5635

#1	-.0003	193.4	.0229	2.150	.0032	103.2	.0010	.0438	.2845
#2	.0013	190.6	.0275	2.119	.0029	102.7	.0010	.0431	.2817
#3	.0010	191.3	.0181	2.120	.0034	102.6	.0015	.0440	.2818

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6481	177.9	22.39	23.12	5.282	.0043	3.448	.1911	5.562
Stddev	.0029	.7	.07	.10	.006	.0008	.021	.0008	.011
%RSD	.4531	.4213	.3155	.4216	.1139	18.28	.6066	.4083	.1942

#1	.6501	178.7	22.33	23.19	5.289	.0038	3.467	.1920	5.562
#2	.6494	177.6	22.47	23.17	5.278	.0052	3.452	.1905	5.551
#3	.6447	177.3	22.38	23.01	5.279	.0039	3.425	.1909	5.572

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0076	-.0103	3.378	.0492	1.414	5.809	.0019	.4348	.5944
Stddev	.0055	.0090	.013	.0008	.014	.002	.0030	.0033	.0015
%RSD	71.98	87.12	.3893	1.537	1.007	.0417	153.0	.7507	.2496

#1	.0013	-.0136	3.363	.0499	1.430	5.807	.0041	.4311	.5958
#2	.0110	-.0171	3.381	.0484	1.402	5.812	.0032	.4373	.5947
#3	.0106	-.0001	3.389	.0493	1.412	5.808	-.0015	.4361	.5928

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2492.6	4911.3	4149.8	3586.1
Stddev	3.3	12.4	131.	21.3
%RSD	.13290	.25219	.31662	.59522

#1	2494.9	4925.0	4136.6	3565.1
#2	2494.0	4900.8	4149.7	3585.4
#3	2488.8	4908.1	4162.9	3607.8

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Sample Name: MP30269-D1 Acquired: 4/22/2016 14:20:39 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	.0010	202.7	.0237	2.301	.0034	111.6	.0009	.0464	.3082
Stddev	.0016	1.0	.0012	.006	.0006	.7	.0004	.0004	.0004
%RSD	160.6	.5096	5.058	.2686	17.90	.6253	48.59	.7837	.1296

#1	.0026	203.9	.0227	2.308	.0030	112.4	.0013	.0465	.3084
#2	.0009	202.0	.0232	2.296	.0032	111.3	.0009	.0459	.3077
#3	-.0005	202.2	.0250	2.300	.0041	111.1	.0005	.0466	.3084

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7015	188.2	23.80	25.31	5.758	.0037	3.429	.2025	6.056
Stddev	.0053	1.2	.13	.24	.007	.0001	.065	.0017	.008
%RSD	.7622	.6267	.5285	.9341	.1304	3.775	1.894	.8548	.1309

#1	.7033	189.6	23.70	25.58	5.749	.0039	3.482	.2006	6.065
#2	.6955	187.7	23.77	25.17	5.759	.0036	3.356	.2041	6.049
#3	.7058	187.4	23.94	25.17	5.764	.0036	3.448	.2027	6.054

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0077	-.0062	3.248	.0485	1.540	5.830	-.0077	.4604	.6290
Stddev	.0047	.0025	.013	.0022	.009	.009	.0041	.0020	.0016
%RSD	60.68	39.48	.3893	4.612	.5548	.1468	53.84	.4446	.2552

#1	.0036	-.0037	3.252	.0471	1.550	5.825	-.0118	.4605	.6275
#2	.0068	-.0064	3.259	.0473	1.537	5.827	-.0035	.4624	.6307
#3	.0128	-.0086	3.234	.0511	1.533	5.840	-.0077	.4583	.6286

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2497.6	4916.0	4151.2	3572.1
Stddev	3.9	9.9	89.	18.8
%RSD	.15455	.20106	.21457	.52729

#1	2494.5	4921.1	4157.1	3550.6
#2	2501.9	4904.7	4155.6	3585.6
#3	2496.3	4922.4	4140.9	3580.2

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Sample Name: MP30269-D2 Acquired: 4/22/2016 14:25:01 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0005	193.4	.0299	2.121	.0030	102.9	.0006	.0434	.2924
Stddev	.0019	.4	.0007	.003	.0002	.2	.0002	.0009	.0021
%RSD	393.8	.1939	2.319	.1567	7.552	2.043	32.65	1.962	.7126

#1	-.0015	193.0	.0306	2.125	.0033	102.7	.0008	.0431	.2944
#2	.0023	193.6	.0299	2.119	.0028	103.0	.0004	.0443	.2903
#3	.0006	193.6	.0292	2.120	.0030	103.1	.0006	.0427	.2925

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6402	179.2	22.19	23.31	5.288	.0043	3.249	.1908	5.694
Stddev	.0023	.4	.30	.12	.028	.0003	.035	.0007	.011
%RSD	.3558	.2130	1.361	.5262	.5253	6.156	1.069	.3915	.1849

#1	.6379	178.8	21.86	23.38	5.313	.0041	3.215	.1905	5.704
#2	.6425	179.4	22.25	23.16	5.258	.0046	3.249	.1903	5.683
#3	.6402	179.5	22.45	23.37	5.292	.0042	3.284	.1917	5.696

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0088	-.0095	3.205	.0469	1.418	5.844	-.0068	.4354	.5955
Stddev	.0023	.0022	.004	.0007	.006	.016	.0069	.0011	.0003
%RSD	25.54	22.81	.1182	1.502	.4354	.2765	102.3	.2625	.0498

#1	.0068	-.0120	3.209	.0462	1.413	5.853	-.0147	.4347	.5953
#2	.0085	-.0087	3.206	.0468	1.417	5.825	-.0018	.4367	.5959
#3	.0112	-.0079	3.202	.0476	1.425	5.854	-.0038	.4347	.5955

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2508.2	4965.3	4158.6	3594.4
Stddev	1.3	2.2	23.7	13.7
%RSD	.05365	.04419	.56939	.38138

#1	2508.2	4966.7	4151.0	3595.8
#2	2506.9	4966.4	4185.2	3580.1
#3	2509.6	4962.7	4139.7	3607.4

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Sample Name: MP30269-SD1 Acquired: 4/22/2016 14:29:23 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.023	270.8	.0037	2.650	-0.016	104.4	-0.020	0.453	3.551
Stddev	.0046	2.0	.0256	.024	.0005	.6	.0007	.0013	.0093
%RSD	194.7	.7333	700.3	.9153	32.23	.5457	33.07	2.866	2.625
#1	-.0074	268.6	.0313	2.626	-.0021	103.8	-.0027	.0467	.3557
#2	.0014	271.6	-.0192	2.674	-.0014	104.9	-.0021	.0451	.3456
#3	-.0011	272.3	-.0011	2.650	-.0011	104.6	-.0013	.0442	.3642
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)
Avg	.6440	188.1	42.00	25.85	5.371	-0.162	17.14	2.395	5.425
Stddev	.0070	1.3	.19	.16	.035	.0040	.18	.0058	.041
%RSD	1.087	.7052	.4540	.6188	.6578	24.73	1.032	2.409	.7573
#1	.6414	186.8	41.80	25.93	5.358	-.0205	16.94	2.419	5.388
#2	.6386	189.4	42.02	25.95	5.345	-.0155	17.22	2.437	5.469
#3	.6519	188.1	42.18	25.66	5.411	-.0125	17.26	2.329	5.418
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0070	-0.0352	191.2	0.539	1.482	11.96	-0.098	4.746	8.005
Stddev	.0180	.0459	5.9	.0091	.019	.14	.0148	.0029	.0029
%RSD	258.4	130.5	3.066	16.87	1.254	1.193	150.7	.6123	.3636
#1	-.0136	-.0876	197.4	.0642	1.462	12.07	-.0152	.4776	.7987
#2	.0201	-.0162	190.4	.0470	1.486	11.80	.0069	.4719	.8038
#3	.0144	-.0018	185.8	.0506	1.499	12.02	-.0212	.4741	.7989
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2611.4	5025.0	4221.2	3612.8					
Stddev	2.0	9.3	263.	22.2					
%RSD	.07482	.18422	.62234	.61383					
#1	2613.4	5016.7	4201.7	3633.6					
#2	2609.5	5035.0	4251.1	3589.4					
#3	2611.3	5023.4	4210.9	3615.4					

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Sample Name: MP30269-PS1 Acquired: 4/22/2016 14:33:47 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0531	188.8	1.236	2.361	0.570	105.9	0.540	0.960	3.281
Stddev	.0018	.4	.0059	.006	.0002	.4	.0004	.0006	.0015
%RSD	3.372	.2188	4.765	.2693	.3982	.3826	.7140	.6673	.4469
#1	.0544	189.3	1.185	2.366	.0570	106.3	.0536	.0965	3.265
#2	.0510	188.8	1.223	2.354	.0572	106.1	.0540	.0961	3.287
#3	.0538	188.5	1.301	2.364	.0567	105.5	.0544	.0953	3.292
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)
Avg	.7386	175.2	32.31	27.79	5.102	1076	13.57	2.901	5.435
Stddev	.0042	.7	.03	.06	.010	.0003	.11	.0016	.005
%RSD	.5691	.3901	.0938	.2277	.1989	.3185	.8260	.5378	.0997
#1	.7400	176.0	32.34	27.86	5.096	1074	13.70	2.909	5.430
#2	.7419	175.0	32.29	27.74	5.096	1076	13.48	2.883	5.436
#3	.7339	174.6	32.29	27.77	5.114	1080	13.53	2.910	5.440
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.178	0.905	3.287	1.020	1.438	5.671	0.947	4.700	8.344
Stddev	.0056	.0070	.012	.0012	.006	.004	.0026	.0018	.0020
%RSD	4.742	7.694	.3543	1.190	.4063	.0695	2.727	.3874	.2403
#1	1.138	.0837	3.277	.1031	1.444	5.666	.0928	.4679	.8342
#2	1.153	.0976	3.285	.1007	1.433	5.671	.0977	.4707	.8325
#3	1.242	.0901	3.300	1.022	1.437	5.674	.0937	.4713	.8365
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2484.7	4937.2	4167.1	3617.7					
Stddev	1.3	5.9	50.	12.7					
%RSD	.05099	.11857	.12068	.35229					
#1	2485.2	4944.0	4172.9	3609.2					
#2	2483.2	4933.9	4164.4	3611.5					
#3	2485.5	4933.9	4164.0	3632.3					

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7.2
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Sample Name: MP30269-S1 Acquired: 4/22/2016 14:38:07 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0486	226.9	1.842	4.077	0.546	125.4	0.507	5.442	4.811
Stddev	.0024	1.0	.010	.017	.0004	.2	.0007	.0009	.0054
%RSD	4.999	.4468	.5588	.4203	.7103	.1618	1.458	1.587	1.130
#1	.0461	225.9	1.840	4.083	.0543	125.2	.0498	5.435	4.869
#2	.0487	228.0	1.833	4.090	.0544	125.6	.0513	5.439	4.761
#3	.0509	226.9	1.853	4.057	.0550	125.4	.0509	5.452	4.801
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)
Avg	.8723	193.6	46.57	47.38	5.556	4.065	27.52	6.981	5.912
Stddev	.0036	.6	.21	.24	.038	.0013	.11	.0005	.016
%RSD	.4097	.2941	.4549	.4994	.6766	.3128	.3958	.0745	.2744
#1	.8682	192.9	46.33	47.13	5.591	4.078	27.42	6.986	5.922
#2	.8743	194.0	46.63	47.42	5.516	4.065	27.64	6.982	5.893
#3	.8744	193.9	46.74	47.60	5.560	4.052	27.49	6.976	5.921
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.100	1.878	3.298	5.100	1.863	5.584	1.926	8.786	1.064
Stddev	.0030	.002	.010	.0016	.005	.018	.012	.0049	.003
%RSD	2.754	.1261	.3077	.3043	.2615	.3241	.6373	.5610	.2979
#1	1.069	1.881	3.289	5.085	1.858	5.603	1.917	8.833	1.067
#2	1.129	1.876	3.309	5.116	1.867	5.567	1.920	8.735	1.061
#3	1.101	1.877	3.296	5.098	1.863	5.583	1.940	8.790	1.066
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2456.2	4913.2	4142.5	3624.7					
Stddev	7.3	6.4	223.	11.3					
%RSD	.29759	.13048	.53826	.31090					
#1	2457.9	4920.4	4123.5	3630.7					
#2	2462.5	4908.4	4167.0	3611.7					
#3	2448.2	4910.7	4137.0	3631.7					

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Sample Name: MP30269-S2 Acquired: 4/22/2016 14:42:25 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0504	248.9	2.019	4.466	0.600	136.3	0.555	0.592	5.278
Stddev	.0019	.8	.010	.014	.0010	.7	.0004	.0023	.0006
%RSD	3.862	.3253	.4942	.3213	1.605	.5227	.6326	.3888	.1180
#1	.0526	249.8	2.011	4.483	.0608	137.1	.0553	.5974	5.277
#2	.0492	248.6	2.016	4.459	.0603	135.8	.0553	.5949	5.284
#3	.0493	248.3	2.030	4.457	.0589	136.1	.0559	.5995	5.272
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.9644	211.2	51.03	52.09	6.049	4.504	30.32	7.633	6.380

Sample Name: FA32107-19 Acquired: 4/22/2016 14:46:43 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	315.7	.0316	4.385	.0071	98.09	.0019	.0717	4589
Stddev	.0005	.3	.0027	.003	.0005	.40	.0004	.0007	.0009
%RSD	228.3	.0938	8.440	.0726	6.360	.4091	23.00	.9647	.1994
#1	.0006	315.8	.0310	4.382	.0076	97.64	.0022	.0724	4598
#2	.0005	315.4	.0294	4.388	.0068	98.20	.0014	.0710	4580
#3	-.0004	315.9	.0346	4.383	.0069	98.42	.0022	.0718	4589
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5602	262.2	23.88	27.77	9.567	.0080	3.466	.3060	3.750
Stddev	.0037	.3	.12	.07	.023	.0008	.020	.0017	.003
%RSD	.6610	.1220	.5060	.2516	.2373	9.622	.5792	.5637	.0830
#1	.5560	261.9	23.74	27.70	9.581	.0073	3.467	.3041	3.748
#2	.5630	262.2	23.91	27.76	9.541	.0088	3.486	.3062	3.748
#3	.5617	262.5	23.97	27.84	9.580	.0079	3.446	.3075	3.754
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(In2306)
Avg	.0080	-.0136	3.976	.0540	1.568	7.918	-.0023	.5878	.3992
Stddev	.0038	.0030	.005	.0007	.005	.016	.0026	.0005	.0011
%RSD	46.97	22.32	.1311	1.207	.2948	2.006	115.6	.0913	.2780
#1	.0050	-.0110	3.971	.0543	1.568	7.923	-.0053	.5880	.3980
#2	.0069	-.0169	3.975	.0533	1.572	7.901	-.0008	.5872	.3994
#3	.0122	-.0130	3.981	.0545	1.563	7.931	-.0007	.5882	.4002
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2481.6	4986.4	4174.3	3628.8					
Stddev	8.1	3.3	72.	6.8					
%RSD	.32711	.06672	.17349	.18633					
#1	2473.6	4983.5	4166.2	3636.0					
#2	2481.3	4990.1	4180.0	3622.6					
#3	2489.8	4985.7	4176.7	3627.8					

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Sample Name: CCV Acquired: 4/22/2016 14:51:04 Type: QC
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2579	41.76	2.011	2.066	2.066	42.28	2.053	2.060	2.101
Stddev	.0008	.23	.002	.015	.007	.06	.004	.002	.009
%RSD	.3087	.5508	.0870	.7347	.3211	.1492	.1783	.1157	.4363
#1	.2580	41.99	2.012	2.081	2.073	42.36	2.049	2.058	2.112
#2	.2570	41.53	2.009	2.051	2.062	42.26	2.055	2.059	2.097
#3	.2586	41.77	2.013	2.064	2.061	42.24	2.055	2.062	2.095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.058	40.52	42.16	42.15	2.115	2.035	41.16	2.044	2.037
Stddev	.006	.11	.21	.10	.009	.004	.25	.003	.003
%RSD	.3065	.2635	.4914	.2384	.4076	.2100	.6041	.1243	.1561
#1	2.059	40.64	42.37	42.10	2.124	2.032	41.45	2.041	2.039
#2	2.051	40.45	41.96	42.09	2.109	2.033	41.02	2.044	2.033
#3	2.063	40.46	42.16	42.27	2.111	2.040	41.02	2.046	2.037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.012	2.029	1.452	2.083	2.076	2.065	2.036	2.046	2.091
Stddev	.006	.016	.002	.003	.015	.004	.010	.004	.007
%RSD	.3218	.7692	.1550	.1575	.6993	.1964	.4700	.1928	.3230
#1	2.012	2.026	1.452	2.079	2.091	2.069	2.031	2.050	2.085
#2	2.005	2.014	1.450	2.086	2.062	2.061	2.031	2.045	2.098
#3	2.018	2.045	1.454	2.084	2.075	2.064	2.047	2.043	2.090
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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Sample Name: CCV Acquired: 4/22/2016 14:51:04 Type: QC
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2272.3	4728.1	3974.1	3505.1
Stddev	2.0	9.9	211.	5.2
%RSD	.08850	.21018	.53197	.14936
#1	2274.6	4734.9	3951.3	3501.7
#2	2271.6	4732.7	3993.0	3502.5
#3	2270.7	4716.7	3978.0	3511.1

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Sample Name: CCB Acquired: 4/22/2016 14:55:15 Type: QC
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0014	.0002	.0001	-.0001	-.0025	.0000	.0000	.0001
Stddev	.0002	.0036	.0009	.0003	.0001	.0014	.000	.0000	.0002
%RSD	300.9	265.9	439.1	563.0	52.45	53.24	111.6	47.37	301.3
#1	.0002	-.0027	.0002	.0004	-.0001	-.0040	.0000	.0000	.0003
#2	.0002	.0025	.0011	.0000	-.0002	-.0024	-.0001	.0000	.0000
#3	-.0002	.0043	-.0007	-.0002	-.0001	-.0013	-.0001	.0001	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0019	-.0186	-.0025	.0000	.0004	.0466	-.0002	.0004
Stddev	.0002	.0020	.0149	.0095	.0000	.0002	.0060	.0001	.0002
%RSD	636.5	106.0	80.24	377.0	34.68	46.54	12.85	34.04	51.13
#1	-.0001	-.0002	-.0201	-.0132	.0001	.0006	.0527	-.0002	.0006
#2	.0002	.0038	-.0030	.0051	.0000	.0004	.0407	-.0001	.0003
#3	-.0001	.0022	-.0327	.0005	.0000	.0002	.0464	-.0001	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-.0015	.0011	.0002	-.0001	.0005	-.0005	-.0001	.0000
Stddev	.0007	.0015	.0001	.0002	.0000	.0001	.0011	.0001	.000
%RSD	1073.	101.8	7.302	84.54	25.27	16.54	194.0	224.1	2817.
#1	-.0002	.0002	.0012	.0003	-.0001	.0006	-.0002	.0000	.0001
#2	-.0005	-.0026	.0012	.0000	.0000	.0004	-.0017	-.0002	.0000
#3	.0008	-.0020	.0010	.0003	-.0001	.0004	.0003	.0000	-.0001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 4/22/2016 14:55:15 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2655.5	4936.2	4211.3	3602.7
Stddev	2.4	4.2	39.	14.9
%RSD	.09089	.08525	.09233	.41359

#1	2657.0	4941.0	42094.	3606.8
#2	2652.7	4933.0	42158.	3615.1
#3	2656.9	4934.6	42088.	3586.1

Sample Name: FA32107-22 Acquired: 4/22/2016 14:59:49 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	.0006	247.2	.0272	2.247	.0055	49.10	.0021	.0585	.3931
Stddev	.0017	.3	.0020	.009	.0003	.18	.0002	.0005	.0030
%RSD	254.3	.1279	7.255	.3788	5.247	.3684	8.566	.8654	.7724

#1	.0019	247.6	.0250	2.243	.0058	49.16	.0019	.0579	.3943
#2	-.0012	247.0	.0277	2.241	.0056	48.90	.0020	.0585	.3953
#3	.0012	247.1	.0288	2.257	.0052	49.25	.0023	.0589	.3896

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_2243)	Na5895 (Y_2243)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.4901	221.1	20.74	21.88	4.551	.0081	4.220	.2311	6.453
Stddev	.0010	.0	.27	.23	.017	.0004	.042	.0011	.021
%RSD	.2093	.0203	1.280	1.058	.3636	5.059	.9829	.4754	.3260

#1	.4889	221.2	21.00	22.12	4.550	.0076	4.215	.2318	6.454
#2	.4904	221.1	20.47	21.88	4.568	.0082	4.181	.2316	6.431
#3	.4909	221.2	20.75	21.66	4.535	.0084	4.263	.2298	6.473

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.0079	-.0131	3.644	.0531	.8117	7.139	-.0035	.5211	.4696
Stddev	.0065	.0064	.004	.0023	.0032	.015	.0022	.0010	.0001
%RSD	82.16	48.53	.1045	4.254	.3947	.2041	62.51	.1895	.0293

#1	.0085	-.0122	3.639	.0510	.8137	7.144	-.0058	.5220	.4696
#2	.0142	-.0199	3.646	.0555	.8134	7.151	-.0035	.5213	.4697
#3	.0012	-.0073	3.645	.0530	.8080	7.123	-.0014	.5201	.4695

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2506.4	4977.7	42066.	3677.9
Stddev	1.3	2.5	176.	16.5
%RSD	.05063	.04967	.41849	.44930

#1	2505.4	4976.8	41971.	3676.7
#2	2507.8	4975.8	41958.	3662.0
#3	2506.0	4980.5	42269.	3695.0

7.2
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Sample Name: FA32107-23 Acquired: 4/22/2016 15:04:10 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_3600)	Cr2677 (Y_3600)
Avg	.0000	220.0	.0260	1.561	.0043	30.38	.0001	.0476	.3460
Stddev	.001	1.2	.0004	.007	.0004	.20	.0003	.0003	.0028
%RSD	353.6	.5379	1.623	4.720	8.387	6.579	207.9	.6109	.8085

#1	-.0015	219.8	.0264	1.558	.0045	30.43	-.0001	.0476	.3430
#2	.0008	221.2	.0256	1.569	.0045	30.54	.0001	.0473	.3486
#3	.0006	218.9	.0261	1.555	.0039	30.15	.0004	.0479	.3463

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_2243)	Na5895 (Y_2243)	Ni2316 (In2306)	Pb2203 (In2306)
Avg	.1803	192.9	17.28	17.48	3.134	.0051	3.134	1.920	1.648
Stddev	.0015	.6	.28	.05	.008	.0007	.031	.0009	.002
%RSD	.8091	.2858	1.596	.2777	.2680	14.64	.9978	.4800	.1316

#1	.1819	193.3	17.55	17.50	3.128	.0042	3.118	.1931	1.646
#2	.1794	193.2	17.28	17.52	3.131	.0057	3.170	.1915	1.650
#3	.1794	192.3	17.00	17.42	3.144	.0053	3.114	.1914	1.647

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_3710)	Sr4077 (Y_3600)	Ti3349 (In2306)	Tl1908 (Y_3600)	V_2924 (Y_2243)	Zn2062 (Y_2243)
Avg	.0065	-.0104	3.244	.0486	.4837	6.320	.0011	.4516	.6024
Stddev	.0043	.0091	.005	.0017	.0023	.011	.0039	.0016	.0019
%RSD	66.98	86.73	.1565	3.579	.4845	.1755	364.8	.3604	.3087

#1	.0051	-.0173	3.248	.0502	.4821	6.313	.0053	.4499	.6017
#2	.0113	-.0002	3.239	.0467	.4863	6.315	.0004	.4531	.6009
#3	.0030	-.0138	3.247	.0488	.4826	6.333	-.0025	.4517	.6045

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2530.1	5000.0	41854.	3603.0
Stddev	1.3	6.5	175.	18.3
%RSD	.05194	.12962	.41921	.50759

#1	2530.0	5005.0	41967.	3604.6
#2	2531.4	5002.4	41942.	3583.9
#3	2528.7	4992.7	41652.	3620.4

Sample Name: FA32237-1 Acquired: 4/22/2016 15:08:31 Type: Unk
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-.0002	243.1	.0907	1.228	.0067	57.54	.0022	.0655	.5581
Stddev	.0002	.7	.0014	.011	.0001	.48	.0003	.0002	.0032
%RSD	109.2	.2702	1.503	.8525	.9040	.8420	11.45	.3253	.5754

#1	.0000	243.0	.0895	1.233	.0066	57.64	.0019	.0652	.5617
#2	-.0003	243.8	.0922	1.234	.0067	57.97	.0023	.0656	.5555
#3	-.0003	242.5	.0905	1.216	.0067	57.01	.0024	.0656	.5570

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.5531	220.2	25.93	40.93	5.182	.0016	2.937	3.128	2.723
Stddev	.0054	.4	.04	.46	.027	.0002	.015	.0002	.006
%RSD	.9699	.1757	.1670	1.130	.5174	14.04	.5161	.0675	.2240

#1	.5477	220.4	25.94	41.05	5.203	.0016	2.921	.3126	2.729
#2	.5584	220.4	25.97	41.33	5.192	.0013	2.952	.3130	2.717
#3	.5531	219.7	25.89	40.42	5.152	.0018	2.938	.3128	2.723

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	-.0032	-.0113	2.762	.0445	.7017	8.161	-.0013	.4326	.5648
Stddev	.0054	.0086	.011	.0017	.0008	.023	.0018	.0015	.0009
%RSD	171.7	75.95	.3839	3.847	.1136	.2808	136.7	.3570	.1623

#1	-.0001	-.0020	2.756	.0455	.7019	8.176	-.0005	.4340	.5637
#2	.0000	-.0188	2.774	.0425	.7023	8.172	-.0034	.4329	.5652
#3	-.0094	-.0131	2.756	.0454	.7008	8.134	.0000	.4310	.5654

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2496.7	5069.7	42238.	3593.4
Stddev	4.1	12.8	246.	8.2
%RSD	.16422	.25251	.58126	.22816

#1	2492.2	5071.8	42131.	3597.2
#2	2500.3	5055.9	42065.	3584.0
#3	2497.4	5081.3	42519.	3599.1

Sample Name: FA32237-4 Acquired: 4/22/2016 15:12:51 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	341.0	0.540	3.095	0.092	96.50	0.011	0.804	5.615
Stddev	0.0027	.8	0.021	.007	0.003	.22	0.002	0.005	0.043
%RSD	696.8	2436	3.820	2.367	3.633	2.235	16.66	5.772	7.725
#1	.0016	341.8	0.562	3.092	0.092	96.64	0.009	0.807	5.613
#2	-0.0034	341.0	0.538	3.089	0.089	96.61	0.011	0.798	5.573
#3	0.006	340.1	0.521	3.103	0.096	96.25	0.012	0.806	5.660
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	6.410	289.0	35.96	40.46	9.895	0.040	4.098	3.776	7.351
Stddev	0.0034	1.5	0.16	0.53	0.016	0.007	0.066	0.009	0.064
%RSD	5.331	5.135	4.549	1.312	1.568	18.68	1.608	2.333	8.771
#1	6.448	290.5	36.14	40.90	9.904	0.038	4.156	3.766	7.395
#2	6.383	289.0	35.91	40.61	9.878	0.048	4.026	3.780	7.277
#3	6.399	287.5	35.82	39.87	9.905	0.034	4.113	3.783	7.382
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0035	-0.107	2.772	0.427	1.308	10.45	-0.026	5.936	5.165
Stddev	0.0070	0.107	0.004	0.013	0.03	0.02	0.053	0.012	0.017
%RSD	197.0	99.93	1.633	2.995	2.157	1.777	206.2	2.022	3.296
#1	0.044	-0.217	2.767	0.437	1.310	10.47	-0.087	5.950	5.171
#2	-0.067	-0.098	2.775	0.431	1.305	10.43	0.007	5.928	5.146
#3	-0.084	-0.004	2.774	0.413	1.309	10.44	0.003	5.931	5.178
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2463.3	4993.9	4183.2	3636.5					
Stddev	1.2	3.0	80	38.2					
%RSD	0.4680	0.6031	1.9152	1.0517					
#1	2462.2	4997.4	4186.7	3639.1					
#2	2463.2	4992.8	4188.9	3597.0					
#3	2464.5	4991.7	4174.0	3673.4					

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Sample Name: FA32237-7 Acquired: 4/22/2016 15:17:13 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	193.4	0.612	1.001	0.046	23.04	-0.006	0.787	4.815
Stddev	0.0012	1.0	0.068	0.006	0.003	0.08	0.002	0.001	0.035
%RSD	322.5	5.255	11.19	5.937	6.416	3.642	26.57	1.847	7.286
#1	0.009	192.2	0.533	0.963	0.045	22.94	-0.005	0.786	4.795
#2	-0.007	193.8	0.647	0.985	0.045	23.09	-0.005	0.787	4.795
#3	-0.013	194.1	0.656	1.008	0.050	23.09	-0.008	0.789	4.856
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	3.589	199.2	25.15	26.51	2.146	0.014	2.320	1.898	1.283
Stddev	0.015	5	32	31	0.12	0.003	0.028	0.002	0.08
%RSD	4.248	2.318	1.278	1.167	5.419	22.70	1.183	0.980	6.354
#1	3.605	198.7	24.85	26.74	2.144	0.010	2.327	1.899	1.274
#2	3.587	199.6	25.12	26.64	2.136	0.016	2.344	1.896	1.285
#3	3.575	199.2	25.49	26.16	2.159	0.015	2.290	1.898	1.290
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.007	-0.109	2.960	0.443	2.950	7.059	-0.062	4.214	3.996
Stddev	0.0037	0.095	0.003	0.008	0.017	0.11	0.006	0.009	0.012
%RSD	534.9	87.17	1.015	1.896	5.600	1.513	10.35	2.211	3.023
#1	-0.043	-0.030	2.960	0.438	2.932	7.053	-0.064	4.220	3.982
#2	0.031	-0.083	2.957	0.438	2.964	7.053	-0.068	4.204	4.003
#3	-0.009	-0.214	2.963	0.453	2.955	7.072	-0.055	4.219	4.003
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2531.0	5041.3	4251.0	3644.9					
Stddev	9.8	14.5	127	19.1					
%RSD	3.8656	2.8702	2.9760	5.2494					
#1	2539.1	5051.1	4251.6	3661.1					
#2	2533.8	5048.2	4263.3	3623.8					
#3	2520.1	5024.7	4238.0	3649.9					

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Sample Name: FA32237-10 Acquired: 4/22/2016 15:21:34 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.000	485.5	0.806	3.867	0.143	101.5	0.008	1.152	6.937
Stddev	0.0015	1.0	0.024	0.008	0.002	.1	0.004	0.002	0.016
%RSD	709.2	2.154	2.977	1.980	1.328	1.451	53.71	1.941	2.332
#1	-0.017	484.3	0.791	3.859	0.143	101.3	0.012	1.153	6.949
#2	0.006	486.3	0.793	3.869	0.146	101.5	0.009	1.150	6.943
#3	0.011	485.9	0.834	3.874	0.142	101.6	0.003	1.154	6.918
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	4.109	349.2	39.67	53.82	9.680	0.061	4.421	4.763	8.627
Stddev	0.014	4	20	26	0.017	0.005	0.024	0.016	0.044
%RSD	3.511	1.238	4.941	4.790	1.722	7.817	5.432	3.418	5.088
#1	4.124	348.7	39.56	53.69	9.699	0.065	4.396	4.781	8.577
#2	4.108	349.6	39.54	54.12	9.666	0.063	4.424	4.751	8.644
#3	4.096	349.2	39.89	53.66	9.676	0.056	4.444	4.756	8.660
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0076	-0.167	2.839	0.414	1.360	11.70	0.111	6.856	7.784
Stddev	0.0058	0.080	0.010	0.010	0.005	0.02	0.010	0.014	0.038
%RSD	75.68	48.31	3.618	2.362	3.466	1.379	98.64	1.971	4.855
#1	-0.011	-0.216	2.851	0.403	1.356	11.72	0.198	6.847	7.791
#2	-0.122	-0.210	2.837	0.420	1.365	11.70	-0.012	6.872	7.743
#3	-0.095	-0.074	2.831	0.419	1.360	11.69	0.148	6.850	7.817
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2439.3	5049.1	4221.3	3647.4					
Stddev	5.4	15.6	106	8.3					
%RSD	2.2174	3.0970	2.5135	2.2822					
#1	2441.1	5038.1	4232.4	3656.9					
#2	2433.2	5042.2	4220.4	3643.5					
#3	2443.5	5067.0	4211.2	3641.7					

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Sample Name: FA32237-13 Acquired: 4/22/2016 15:25:54 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	200.0	0.663	7.435	0.044	35.56	-0.005	0.415	4.563
Stddev	0.0005	0.8	0.026	0.044	0.005	0.18	0.000	0.006	0.018
%RSD	93.45	3.818	3.919	5.922	12.34	5.200	4.809	1.333	3.980
#1	0.000	200.7	0.692	7.485	0.038	35.71	-0.005	0.418	4.560
#2	-0.011	199.2	0.641	7.413	0.045	35.36	-0.006	0.418	4.583
#3	-0.007	200.1	0.656	7.405	0.048	35.63	-0.006	0.409	4.547
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.245	179.2	18.56	28.43	1.993	0.014	2.679</		

Sample Name: FA32237-14 Acquired: 4/22/2016 15:30:16 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	218.3	0.737	8.209	0.051	37.93	-0.004	0.455	4.969
Stddev	.0008	.8	.0023	.0012	.0002	.12	.0003	.0003	.0011
%RSD	127.5	.3490	3.187	.1461	3.550	.3205	60.52	.5742	.2266
#1	.0002	218.9	.0752	.8214	.0049	38.05	-.0007	.0453	4.974
#2	-.0007	218.5	.0710	.8196	.0050	37.95	-.0002	.0458	4.977
#3	-.0013	217.4	.0750	.8219	.0053	37.81	-.0005	.0453	4.956
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	4.077	194.7	19.88	30.59	2.277	0.016	2.648	2.476	5.255
Stddev	.0020	.4	.07	.15	.008	.0006	.017	.0006	.0028
%RSD	.4865	.2138	.3696	.4832	.3637	39.84	.6381	.2436	.5238
#1	.4058	195.0	19.92	30.68	2.285	.0023	2.658	.2473	5.259
#2	.4098	194.7	19.93	30.66	2.268	.0014	2.628	.2483	5.225
#3	.4076	194.2	19.79	30.42	2.277	.0011	2.657	.2472	5.280
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.045	-0.144	3.863	0.431	4.107	8.162	-0.021	4.182	3.719
Stddev	.0040	.0022	.009	.0009	.0018	.012	.0005	.0027	.0017
%RSD	87.29	15.28	.2448	1.985	4.317	.1510	21.32	.6371	.4576
#1	-.0003	-.0133	3.856	.0440	.4125	8.169	-.0027	.4211	.3709
#2	-.0081	-.0129	3.858	.0428	.4090	8.148	-.0018	.4161	.3709
#3	-.0052	-.0169	3.874	.0424	.4105	8.169	-.0019	.4172	.3739
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2521.4	5070.4	42277	3637.2					
Stddev	2.6	1.4	203.	6.5					
%RSD	.10302	.02731	.48093	.17831					
#1	2518.6	5068.8	42062.	3636.8					
#2	2523.8	5071.4	42466.	3630.8					
#3	2521.9	5071.0	42304.	3643.8					

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Sample Name: FA32237-19 Acquired: 4/22/2016 15:34:37 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0005	204.1	0.036	1.274	0.053	53.36	0.018	0.572	4.118
Stddev	.0006	.8	.0021	.003	.0003	.14	.0005	.0007	.0016
%RSD	134.4	.3768	3.372	.2336	4.696	.2699	27.40	1.187	.3907
#1	.0000	203.5	.0661	1.270	.0056	53.20	.0022	.0574	4.136
#2	.0012	203.8	.0625	1.276	.0051	53.38	.0018	.0578	4.104
#3	.0003	204.9	.0623	1.275	.0054	53.49	.0013	.0565	4.114
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	2.409	176.4	21.89	31.99	4.724	0.008	2.537	2.493	9.268
Stddev	.0023	.2	.13	.18	.015	.0010	.018	.0005	.0050
%RSD	.9437	.1233	.6022	.5575	.3220	120.0	.7089	.1831	.5404
#1	.2386	176.2	21.86	31.91	4.740	-.0003	2.516	.2488	9.262
#2	.2410	176.6	21.77	31.87	4.710	.0012	2.545	.2493	9.221
#3	.2432	176.6	22.03	32.20	4.722	.0017	2.549	.2497	9.320
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.056	-0.030	3.481	0.452	6.809	6.581	-0.072	3.342	4.507
Stddev	.0053	.0035	.008	.002	.0064	.009	.0040	.0020	.0008
%RSD	95.46	115.8	.2384	2.702	.5033	.1433	55.07	.6052	.1679
#1	-.0026	-.0032	3.474	.0446	.6779	6.586	-.0049	.3362	.4506
#2	-.0118	.0006	3.490	.0443	.6801	6.570	-.0118	.3344	.4501
#3	-.0024	-.0063	3.478	.0466	.6847	6.587	-.0049	.3321	.4515
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2525.1	5096.5	42260	3614.6					
Stddev	5.0	18.4	129.	18.0					
%RSD	.19952	.36135	.30630	.49726					
#1	2528.1	5117.7	42150.	3635.3					
#2	2527.9	5087.8	42402.	3602.5					
#3	2519.2	5084.1	42227.	3606.1					

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7.2
7

Sample Name: FA32237-22 Acquired: 4/22/2016 15:38:58 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0005	226.9	0.235	2.524	0.041	66.46	-0.005	0.487	3.289
Stddev	.0014	2.0	.0029	.017	.0001	.59	.0003	.0001	.0011
%RSD	253.8	.9008	12.24	.6719	2.701	.8825	55.93	.2170	.3328
#1	.0007	226.0	.0264	2.511	.0040	66.13	-.0005	.0486	.3300
#2	.0018	225.5	.0207	2.518	.0042	66.11	-.0002	.0487	.3289
#3	-.0009	229.2	.0234	2.543	.0040	67.14	-.0008	.0488	.3278
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.938	192.4	22.02	21.41	6.876	0.027	3.001	2.148	3.804
Stddev	.0006	1.7	.14	.29	.007	.0004	.016	.0006	.0042
%RSD	.6655	.8704	.6583	1.360	.0969	16.60	.5192	.2820	1.093
#1	.0933	191.4	22.08	21.23	6.868	.0032	3.017	.2142	.3837
#2	.0936	191.5	21.85	21.24	6.881	.0025	2.986	.2147	.3757
#3	.0945	194.4	22.12	21.74	6.879	.0023	3.001	.2154	.3818
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.024	-0.025	4.265	0.051	9.082	7.071	-0.047	4.606	2.393
Stddev	.0042	.0026	.012	.0010	.0094	.004	.0028	.0017	.0003
%RSD	175.7	106.5	.2872	1.976	1.032	.0638	58.73	.3753	.1116
#1	.0006	.0002	4.265	.0518	.9007	7.066	-.0064	.4606	.2391
#2	-.0071	-.0025	4.277	.0504	.9051	7.074	-.0015	.4624	.2396
#3	-.0006	-.0050	4.252	.0524	.9187	7.073	-.0063	.4590	.2392
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2517.6	5032.4	41862	3579.3					
Stddev	6.7	5.8	25.	35.4					
%RSD	.26537	.11597	.06088	.99000					
#1	2518.6	5037.8	41852.	3582.8					
#2	2523.7	5033.1	41843.	3612.9					
#3	2510.5	5026.2	41891.	3542.3					

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Sample Name: CCV Acquired: 4/22/2016 15:43:19 Type: QC
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.574	41.68	1.991	2.076	2.042	42.49	2.043	2.052	2.081
Stddev	.0007	.03	.002	.003	.002	.04	.001	.001	.004
%RSD	.2832	.0736	.1227	.1226	.1039	.0903	.0618	.0394	.2145
#1	.2570	41.65	1.991	2.075	2.040	42.51	2.044	2.053	2.086
#2	.2582	41.68	1.994	2.079	2.045	42.51	2.042	2.051	2.080
#3	.2569	41.71	1.989	2.074	2.042	42.44	2.042	2.053	2.078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.061	40.23	42.31	42.09	2.087	2.025	40.84	2.027	2.035
Stddev	.005	.04	.08	.11	.009	.001			

Sample Name: CCV Acquired: 4/22/2016 15:43:19 Type: QC
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2275.9	4768.1	4004.2	3511.3
Stddev	6.5	4.7	189.	6.7
%RSD	.28498	.09766	.47143	.19077
#1	2279.2	4768.8	40123.	3507.9
#2	2280.0	4772.3	39826.	3507.0
#3	2268.4	4763.1	40176.	3519.0

Sample Name: CCB Acquired: 4/22/2016 15:47:30 Type: QC
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0002	.0076	-.0001	.0004	.0003	.0069	.0001	.0002	.0002
Stddev	.0003	.0052	.0007	.0006	.0000	.0031	.0001	.0001	.0000
%RSD	165.1	69.25	509.3	161.1	15.66	45.18	148.1	56.08	12.66
#1	-.0001	.0136	-.0003	.0004	.0003	.0042	.0002	.0002	.0003
#2	-.0005	.0037	.0006	.0010	.0002	.0104	.0001	.0002	.0002
#3	.0001	.0054	-.0007	-.0003	.0003	.0062	-.0001	.0001	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0000	.0111	.0257	.0097	.0003	.0004	.0421	.0003	-.0004
Stddev	.000	.0036	.0493	.0259	.0000	.0003	.0078	.0001	.0011
%RSD	242.6	32.21	191.6	266.7	18.29	79.19	18.61	43.04	263.5
#1	-.0001	.0142	.0682	.0390	.0003	.0006	.0335	.0004	-.0015
#2	-.0001	.0119	-.0284	.0006	.0003	.0005	.0489	.0002	-.0004
#3	.0001	.0072	.0374	-.0104	.0002	.0000	.0440	.0002	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0000	-.0005	.0009	.0002	.0003	.0006	.0000	.0004	.0001
Stddev	.000	.0021	.0002	.0003	.0001	.0000	.0014	.0001	.0001
%RSD	2496.	466.4	20.49	152.2	28.46	4.436	3584.	35.38	62.80
#1	.0001	-.0028	.0007	.0005	.0004	.0006	.0014	.0005	.0001
#2	.0002	.0013	.0011	.0000	.0003	.0006	-.0014	.0002	.0000
#3	-.0003	-.0001	.0010	.0001	.0002	.0006	.0001	.0004	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

7.2
7

Sample Name: CCB Acquired: 4/22/2016 15:47:30 Type: QC
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2672.5	4998.1	42297.	3620.2
Stddev	2.2	2.1	157.	11.7
%RSD	.08223	.04286	.37144	.32388
#1	2673.1	4995.9	42294.	3627.6
#2	2674.3	5000.1	42456.	3626.3
#3	2670.0	4998.2	42142.	3606.7

Sample Name: FA32237-25 Acquired: 4/22/2016 15:52:03 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-.0006	192.9	.0204	1.311	.0033	31.70	-.0014	.0356	.3010
Stddev	.0005	.0	.0049	.004	.0002	.15	.0001	.0009	.0016
%RSD	76.47	.0251	23.81	3.160	4.885	4.732	9.624	2.495	5.377
#1	-.0012	192.9	.0165	1.308	.0033	31.64	-.0014	.0365	.3001
#2	-.0003	192.9	.0258	1.310	.0031	31.87	-.0015	.0354	.3002
#3	-.0004	192.8	.0189	1.316	.0034	31.60	-.0012	.0348	.3029

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.0662	170.1	17.67	16.85	3.257	.0056	2.423	.1595	.2169
Stddev	.0004	.6	.11	.12	.006	.0003	.038	.0011	.0004
%RSD	.6696	.3461	.6392	.7228	.1978	5.459	1.554	.7067	.1653
#1	.0667	169.7	17.59	16.96	3.263	.0059	2.447	.1602	.2169
#2	.0658	170.8	17.80	16.72	3.258	.0053	2.380	.1582	.2173
#3	.0662	169.8	17.62	16.88	3.250	.0055	2.443	.1601	.2166

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.0001	-.0090	4.201	.0481	.4898	6.785	-.0014	.4289	.1879
Stddev	.0039	.0099	.028	.0016	.0032	.008	.0054	.0019	.0008
%RSD	4429.	110.1	.6743	3.302	.6544	.1231	392.5	.4477	.4370
#1	-.0014	.0024	4.232	.0498	.4863	6.793	-.0019	.4290	.1884
#2	.0045	-.0152	4.177	.0467	.4904	6.786	-.0065	.4269	.1870
#3	-.0028	-.0141	4.194	.0477	.4926	6.776	.0042	.4307	.1883

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2516.7	4987.5	41566.	3565.9
Stddev	12.0	24.3	113.	14.7
%RSD	.47835	.48650	.27223	.41291
#1	2503.0	4959.5	41566.	3577.9
#2	2521.7	5000.4	41452.	3549.5
#3	2525.5	5002.6	41679.	3570.5

Sample Name: FA32237-28 Acquired: 4/22/2016 15:56:28 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0006	399.3	.0722	4.465	.0132	125.2	.0020	.1019	.6684
Stddev	.0012	1.7	.0051	.025	.0001	.7	.0002	.0003	.0016
%RSD	191.3	.4332	7.113	.5696	.4244	.5969	11.73	.2482	.2408
#1	.0008	398.7	.0749	4.472	.0131	124.7	.0022	.1016	.6687
#2	.0016	398.0	.0755	4.437	.0132	124.8	.0021	.1020	.6667
#3	-.0006	401.3	.0663	4.487	.0133	126.0	.0017	.1020	.6698
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2207	315.7	35.81	49.66	15.60	.0053	5.038	4.288	1.829
Stddev	.0019	1.6	.09	.31	.10	.0001	.026	.0009	.001
%RSD	.8752	.4990	.2525	.6151	.6109	2.833	.5118	.2150	.0527
#1	.2218	314.5	35.71	49.46	15.71	.0053	5.041	4.289	1.830
#2	.2184	315.0	35.84	49.51	15.55	.0051	5.011	4.278	1.829
#3	.2218	317.4	35.88	50.01	15.54	.0054	5.062	4.296	1.828
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-.0048	-.0139	4.159	.0391	1.669	11.74	.0033	.5963	.4825
Stddev	.0055	.0063	.008	.0013	.006	.02	.0037	.0028	.0019
%RSD	114.3	45.36	.1874	3.410	.3367	.1974	114.1	.4715	.3932
#1	-.0022	-.0067	4.154	.0396	1.667	11.76	.0049	.5970	.4822
#2	-.0111	-.0182	4.156	.0376	1.664	11.71	-.0010	.5987	.4808
#3	-.0011	-.0168	4.168	.0401	1.675	11.74	.0059	.5932	.4846
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2442.7	5069.0	42226.	3620.5					
Stddev	1.8	2.7	118.	19.7					
%RSD	.07197	.05244	.27848	.54303					
#1	2440.7	5069.1	42223.	3629.4					
#2	2443.3	5071.6	42345.	3634.2					
#3	2444.0	5066.3	42110.	3598.0					

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Sample Name: FA32238-1 Acquired: 4/22/2016 16:00:58 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0003	241.7	.0247	2.974	.0047	57.73	-.0006	.0613	.3297
Stddev	.0008	.5	.0055	.009	.0001	.06	.0001	.0010	.0017
%RSD	260.1	.2082	22.12	.2911	2.779	.1098	23.79	1.651	.5102
#1	.0001	241.2	.0284	2.967	.0047	57.72	-.0005	.0610	.3309
#2	.0002	241.7	.0272	2.970	.0048	57.80	-.0005	.0605	.3278
#3	-.0012	242.2	.0184	2.984	.0046	57.68	-.0007	.0625	.3305
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6810	197.7	13.46	21.01	5.637	.0059	2.645	.2214	2.502
Stddev	.0041	.4	.05	.12	.017	.0010	.009	.0015	.009
%RSD	.6022	.2198	.3349	.5817	.3087	16.30	.3481	.6822	.3522
#1	.6770	197.2	13.46	20.97	5.650	.0051	2.649	.2209	2.504
#2	.6809	197.9	13.50	21.14	5.617	.0057	2.652	.2231	2.510
#3	.6852	198.0	13.41	20.91	5.644	.0070	2.635	.2202	2.493
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0010	-.0036	4.285	.0452	.8387	6.947	-.0074	.4868	.3399
Stddev	.0061	.0011	.004	.0022	.0020	.014	.0083	.0020	.0006
%RSD	599.5	30.96	.0810	4.932	.2368	.1974	112.6	.4053	.1648
#1	-.0059	-.0042	4.283	.0472	.8370	6.948	-.0071	.4845	.3393
#2	.0034	-.0023	4.283	.0456	.8382	6.933	.0008	.4883	.3402
#3	.0056	-.0042	4.289	.0428	.8408	6.961	-.0158	.4875	.3403
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2517.2	5048.3	42153.	3634.7					
Stddev	1.7	2.0	77.	4.1					
%RSD	.06713	.04051	.18371	.11188					
#1	2515.3	5046.1	42237.	3638.9					
#2	2518.1	5050.1	42084.	3630.7					
#3	2518.3	5048.8	42138.	3634.5					

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7.2
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Sample Name: FA32238-4 Acquired: 4/22/2016 16:05:20 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	173.3	.0240	1.389	.0025	42.09	-.0006	.0310	.2630
Stddev	.0008	.4	.0023	.004	.0002	.25	.0002	.0005	.0008
%RSD	394.9	.2509	9.740	.2615	7.644	.5926	30.97	1.598	.3068
#1	.0011	173.1	.0221	1.390	.0024	41.91	-.0004	.0310	.2626
#2	-.0006	172.9	.0233	1.385	.0024	41.99	-.0008	.0305	.2639
#3	.0001	173.8	.0266	1.392	.0028	42.38	-.0006	.0315	.2625
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7314	179.3	16.93	15.29	3.604	.0052	1.999	1.378	7.278
Stddev	.0024	.5	.20	.12	.002	.0005	.034	.0004	.022
%RSD	.3239	.2567	1.160	.7551	.0677	9.736	1.676	.2693	.2996
#1	.7317	179.0	16.71	15.19	3.602	.0054	1.992	1.373	7.252
#2	.7289	179.1	17.07	15.27	3.603	.0046	2.035	1.379	7.289
#3	.7336	179.8	17.02	15.42	3.607	.0056	1.969	1.381	7.292
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0054	-.0119	3.750	.0481	.7377	5.793	-.0039	.4545	.3096
Stddev	.0064	.0074	.007	.0018	.0038	.013	.0032	.0014	.0005
%RSD	118.6	61.78	.1831	3.747	.5183	.2209	81.95	.3074	.1578
#1	.0103	-.0035	3.750	.0461	.7351	5.791	-.0075	.4559	.3093
#2	.0077	-.0155	3.743	.0486	.7360	5.782	-.0026	.4531	.3102
#3	-.0018	-.0168	3.757	.0495	.7421	5.807	-.0015	.4546	.3094
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2537.4	5017.3	41983.	3551.3					
Stddev	2.1	9.9	59.	16.1					
%RSD	.08084	.19771	.14120	.45329					
#1	2539.3	5013.6	42047.	3562.7					
#2	2537.5	5028.6	41972.	3558.4					
#3	2535.2	5009.9	41930.	3532.9					

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Sample Name: FA32238-7 Acquired: 4/22/2016 16:09:44 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0003	523.9	.1014	2.550	.0139	86.81	-.0012	.1021	.7050
Stddev	.0029	.7	.0053	.005	.0003	.37	.0004	.0003	.0036
%RSD	1120.	.1342	5.201	.2136	2.157	4.313	35.99	.2958	.5169
#1	.0010	524.5	.0953	2.549	.0141	87.22	-.0015	.1021	.7025
#2	.0019	523.9	.1040	2.545	.0141	86.73	-.0014	.1024	.7034
#3	-.0036	523.1	.1049	2.556	.0136	86.48	-.0007	.1018	.7092
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2995	366.5	33.43	60.33	7.243	.0079	6.272	.4979	2.458
Stddev	.0004	.3	.08	.42	.017	.0008	.027	.0017	.012
%RSD	.1434	.0761	.2266	.6894	.2366	10.31	4.279	.3327	.4955
#1	.2993	366.7	33.51	60.78	7.226	.0088	6.302	.4994	2.470
#2	.2992								

Sample Name: FA32238-10 Acquired: 4/22/2016 16:14:05 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 11 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 11 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 4 columns: Int. Std., Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD.

Table with 4 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

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Sample Name: CRIA Acquired: 4/22/2016 16:18:26 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 11 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 11 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 4 columns: Int. Std., Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD.

Table with 4 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

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7.2

7

Sample Name: ICSA Acquired: 4/22/2016 16:22:53 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 11 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 11 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 4 columns: Int. Std., Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD.

Table with 4 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

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Sample Name: ICSAB Acquired: 4/22/2016 16:27:33 Type: Unk
Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 11 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 11 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 11 columns: #1, #2, #3. Rows include IS Ref, Avg, Stddev, %RSD.

Table with 4 columns: Int. Std., Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD.

Table with 4 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

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Sample Name: CCV Acquired: 4/22/2016 16:32:02 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2571	42.56	1.974	2.102	2.062	43.24	2.027	2.047	2.095
Stddev	.0009	.05	.011	.001	.008	.04	.011	.012	.011
%RSD	.3500	.1194	.5432	.0342	.3937	.1024	.5389	.5785	.5324
#1	.2569	42.59	1.962	2.101	2.063	43.19	2.016	2.034	2.089
#2	.2563	42.50	1.976	2.101	2.053	43.28	2.027	2.048	2.089
#3	.2580	42.59	1.983	2.102	2.069	43.26	2.038	2.058	2.108

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.057	40.86	42.99	42.96	2.101	2.021	41.08	2.010	2.021
Stddev	.003	.07	.05	.07	.014	.013	.12	.012	.010
%RSD	.1453	.1720	.1106	.1560	.6578	.6306	.2981	.5892	.4788
#1	2.060	40.93	42.94	42.99	2.095	2.008	41.11	2.000	2.010
#2	2.054	40.79	43.03	42.89	2.092	2.022	40.95	2.007	2.026
#3	2.058	40.88	43.00	43.02	2.117	2.033	41.19	2.023	2.027

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.977	1.999	1.428	2.082	2.127	2.044	2.023	2.018	2.099
Stddev	.014	.013	.010	.013	.002	.012	.013	.014	.009
%RSD	.6981	.6402	.7272	.6349	.0945	.5979	.6220	.6745	.4325
#1	1.963	1.986	1.418	2.069	2.125	2.039	2.009	2.008	2.090
#2	1.977	2.000	1.428	2.083	2.128	2.036	2.027	2.013	2.099
#3	1.991	2.012	1.439	2.095	2.128	2.058	2.033	2.034	2.108

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/22/2016 16:32:02 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2271.2	4762.3	39630.	3416.9
Stddev	8.5	24.0	253.	15.1
%RSD	.37474	.50441	.63745	.44049
#1	2280.8	4784.6	39816.	3434.3
#2	2264.7	4765.4	39732.	3407.5
#3	2268.1	4736.8	39342.	3409.0

Sample Name: CCB Acquired: 4/22/2016 16:36:12 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	F .0283	.0004	.0006	.0003	.0319	.0001	.0001	.0002
Stddev	.0002	.0093	.0004	.0002	.0001	.0093	.0001	.0000	.0001
%RSD	293.9	32.84	82.52	36.23	56.62	28.99	78.45	40.10	72.78
#1	.0002	.0364	.0008	.0004	.0004	.0417	.0001	.0002	.0002
#2	.0002	.0305	.0001	.0006	.0002	.0309	.0001	.0001	.0003
#3	-.0002	.0181	.0005	.0008	.0002	.0233	.0000	.0001	.0001

Check ? Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit .0250
 Low Limit -.0250

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0209	.0344	.0149	.0002	.0005	.0439	-.0001	.0000
Stddev	.0000	.0045	.0139	.0171	.0000	.0004	.0038	.0003	.000
%RSD	42.13	21.57	40.39	114.7	17.98	95.85	8.734	462.6	1165.
#1	-.0001	.0254	.0397	.0250	.0002	.0009	.0475	.0002	.0001
#2	-.0001	.0209	.0449	.0246	.0002	.0005	.0399	-.0004	.0000
#3	-.0001	.0164	.0186	-.0048	.0001	.0000	.0443	.0000	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0007	-.0013	.0013	.0004	.0003	.0005	.0001	.0002	.0000
Stddev	.0004	.0021	.0003	.0003	.0001	.0001	.0010	.0001	.0001
%RSD	54.16	156.6	24.28	64.74	22.48	21.83	786.4	84.22	193.4
#1	-.0012	-.0025	.0016	.0007	.0004	.0006	.0012	.0002	.0001
#2	-.0004	-.0026	.0009	.0004	.0003	.0006	-.0001	.0003	.0000
#3	-.0006	.0011	.0012	.0001	.0003	.0004	-.0007	.0000	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/22/2016 16:36:12 Type: QC
 Method: 60102007_042011(v76) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2667.8	5008.8	42041.	3522.1
Stddev	3.5	3.8	192.	5.0
%RSD	.13229	.07619	.45734	.14263
#1	2667.0	5012.9	42024.	3521.8
#2	2671.7	5007.9	42241.	3527.3
#3	2664.8	5005.4	41858.	3517.3

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000009	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000077	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000005	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000091	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000000	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000016	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000110	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000010	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000041	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000051	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000025	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	0.000017	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000035	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	-0.000013	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000007	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.000256	0.588543	0.000000	1.000000
Al 396.152 { 85}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.001869	0.226269	0.000000	1.000000
As 189.042 {478}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.000715	0.161922	0.000000	1.000000
Ba 455.403 { 74}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.003489	8.986027	0.000000	1.000000
Be 313.042 {108}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.003469	10.929063	0.000000	1.000000
Ca 317.933 {106}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.007353	0.239392	0.000000	1.000000
Cd 226.502 {449}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.000910	4.484779	0.000000	1.000000
Co 228.616 {447}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.000529	2.522234	0.000000	1.000000
Cr 267.716 {126}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.000150	0.504571	0.000000	1.000000
Cu 324.754 {104}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.006624	0.915863	0.000000	1.000000
Fe 259.940 {130}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.002024	0.156412	0.000000	1.000000
In 230.606 {446}*	4/22/2016 10:52:04	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.007412	0.097758	0.000000	1.000000
Mg 279.079 {121}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.000305	0.024586	0.000000	1.000000
Mn 257.610 {131}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.000911	2.658076	0.000000	1.000000
Mo 202.030 {467}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.001406	1.017100	0.000000	1.000000
Na 589.592 { 57}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.007860	0.415639	0.000000	1.000000
Ni 231.604 {445}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.000395	1.496612	0.000000	1.000000
Pb 220.353 {453}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.000559	0.786878	0.000000	1.000000
Sb 206.833 {463}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.000827	0.239869	0.000000	1.000000
Se 196.090 {472}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.000054	0.112880	0.000000	1.000000
Si 212.412 {459}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.004249	0.436671	0.000000	1.000000
Sn 189.989 {477}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.000383	0.354320	0.000000	1.000000
Sr 407.771 { 83}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.005564	16.302654	0.000000	1.000000
Ti 334.941 {101}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.001884	1.979176	0.000000	1.000000
Tl 190.856 {477}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.001536	0.257464	0.000000	1.000000
V 292.402 {115}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	-0.000536	0.678387	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	4/22/2016 10:52:04	4/22/2016 10:18:40	Linear	1/Conc	0.000687	2.053794	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	1.000000	0.000002	0.000340	0.001133	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999828	0.006769	0.008209	0.027363	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999909	0.000176	0.000878	0.002926	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999933	0.008404	0.000262	0.000873	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999974	0.006358	0.000069	0.000229	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999883	0.005899	0.003617	0.012058	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999961	0.003189	0.000051	0.000168	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999970	0.001582	0.000100	0.000333	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999929	0.000485	0.000247	0.000822	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999988	0.000365	0.000203	0.000676	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999844	0.004451	0.002837	0.009457	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999821	0.002978	0.032864	0.109545	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999834	0.000722	0.023034	0.076781	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999713	0.005128	0.000041	0.000137	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999983	0.000476	0.000141	0.000470	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999842	0.011886	0.008088	0.026960	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999952	0.001186	0.000172	0.000575	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999872	0.001017	0.000615	0.002049	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999949	0.000195	0.000951	0.003169	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999955	0.000087	0.001801	0.006004	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.979974	0.007146	0.000374	0.001246	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999814	0.000550	0.000340	0.001135	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999990	0.005980	0.000092	0.000308	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999901	0.002245	0.000095	0.000318	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999974	0.000151	0.001085	0.003617	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999981	0.000330	0.000232	0.000773	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999965	0.001393	0.000081	0.000271	OK	1.000000	0.000000	1	0

Sample Name: Blank Acquired: 4/25/2016 9:09:05 Type: Cal
Method: 60102007_042011(v78) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.002	.0027	-0.0007	.0049	.0042	.0074	-0.0004	.0000	-0.001
Stddev	.0000	.0018	.0002	.0009	.0016	.0012	.0005	.0003	.0001
%RSD	22.92	66.44	22.38	19.38	37.77	16.77	137.9	623.5	82.79
#1	-0.002	.0045	-0.0005	.0059	.0060	.0079	.0002	.0003	-0.001
#2	-0.002	.0010	-0.0008	.0044	.0029	.0082	-0.0004	-0.001	.0000
#3	-0.002	.0025	-0.0007	.0042	.0038	.0060	-0.0008	-0.001	-0.001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0068	.0022	-0.0042	.0000	.0014	.0013	-0.0067	-0.0002	.0004
Stddev	.0001	.0002	.0017	.0001	.0001	.0002	.0027	.0003	.0001
%RSD	1.190	10.91	41.37	335.6	9.276	14.95	39.97	173.1	28.42
#1	.0068	.0023	-.0045	.0000	.0014	.0015	-.0036	.0000	.0003
#2	.0067	.0023	-.0023	.0000	.0014	.0014	-.0079	.0000	.0004
#3	.0069	.0019	-.0057	.0001	.0012	.0011	-.0085	-.0005	.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0009	.0000	.0051	.0005	.0073	.0023	-0.0013	-0.0004	.0015
Stddev	.0000	.0000	.0002	.0001	.0032	.0001	.0001	.0002	.0001
%RSD	4.721	424.1	3.365	25.31	44.17	4.503	9.021	51.70	8.239
#1	.0009	-.0001	.0053	.0005	.0109	.0023	-.0012	-.0006	.0016
#2	.0009	.0000	.0050	.0006	.0059	.0024	-.0014	-.0002	.0015
#3	.0008	.0001	.0049	.0004	.0049	.0022	-.0013	-.0003	.0014
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2748.3	5008.3	43397.	3460.4					
Stddev	5.4	6.9	148.	44.3					
%RSD	.19698	.13842	.34036	1.2809					
#1	2750.6	5010.5	43444.	3443.8					
#2	2752.2	5013.8	43514.	3510.6					
#3	2742.1	5000.5	43231.	3426.8					

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Sample Name: LowStd Acquired: 4/25/2016 9:13:10 Type: Cal
Method: 60102007_042011(v78) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0350	2.180	.0747	4.511	5.320	2.437	2.197	1.250	2.481
Stddev	.0002	.005	.0001	.021	.025	.027	.002	.001	.0006
%RSD	.4917	.2132	.1603	.4770	.4765	1.094	.0838	.0982	.2444
#1	.0352	2.177	.0746	4.531	5.320	2.461	2.195	1.249	2.485
#2	.0350	2.186	.0748	4.514	5.346	2.441	2.197	1.251	2.474
#3	.0348	2.178	.0747	4.488	5.295	2.408	2.198	1.249	2.485
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4562	1.679	.9667	.2397	1.325	.5064	3.900	.7391	.3610
Stddev	.0019	.011	.0042	.0032	.001	.0002	.014	.0002	.0009
%RSD	.4106	.6329	.4392	1.344	.0382	.0458	.3455	.0309	.2395
#1	.4579	1.680	.9688	.2429	1.325	.5063	3.901	.7394	.3601
#2	.4564	1.689	.9695	.2396	1.326	.5067	3.913	.7391	.3610
#3	.4542	1.668	.9618	.2365	1.325	.5063	3.886	.7389	.3618
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1141	.0534	.1897	.1821	8.495	1.002	.1190	.3328	1.008
Stddev	.0003	.0001	.0007	.0002	.013	.001	.0007	.0009	.002
%RSD	.2331	.2285	.3505	.1067	.1556	.0775	.5764	.2822	.1618
#1	.1144	.0534	.1894	.1823	8.488	1.002	.1187	.3330	1.007
#2	.1139	.0535	.1904	.1820	8.510	1.003	.1184	.3318	1.007
#3	.1139	.0532	.1891	.1820	8.487	1.001	.1197	.3336	1.010
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2560.5	4929.4	42387.	3446.6					
Stddev	.6	12.3	43.	29.8					
%RSD	.02187	.24870	.10193	.86332					
#1	2559.9	4919.2	42338.	3436.9					
#2	2561.0	4925.8	42419.	3423.0					
#3	2560.7	4943.0	42404.	3480.0					

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Sample Name: MidStd Acquired: 4/25/2016 9:18:40 Type: Cal
Method: 60102007_042011(v78) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.408	9.335	3.160	18.73	21.83	10.28	8.932	5.051	1.018
Stddev	.0005	.009	.0007	.10	.06	.05	.008	.002	.002
%RSD	.3699	.0993	.2131	.5153	.2823	.4584	.0909	.0311	.2250
#1	.1406	9.329	.3167	18.67	21.89	10.31	8.940	5.052	1.015
#2	.1414	9.345	.3160	18.84	21.84	10.32	8.932	5.052	1.020
#3	.1404	9.330	.3154	18.67	21.76	10.23	8.924	5.049	1.018
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.847	6.244	4.169	1.026	5.399	1.989	16.80	2.965	1.528
Stddev	.008	.016	.016	.006	.020	.001	.01	.007	.001
%RSD	.4301	.2502	.3765	.6374	.3668	.0498	.0480	.2400	.0934
#1	1.839	6.256	4.164	1.030	5.379	1.989	16.81	2.972	1.527
#2	1.855	6.250	4.187	1.030	5.419	1.989	16.81	2.966	1.529
#3	1.847	6.227	4.157	1.018	5.400	1.988	16.79	2.958	1.529
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4689	.2217	.6210	.7053	33.44	3.963	4.947	1.320	4.110
Stddev	.0006	.0011	.0004	.0012	.07	.009	.0002	.001	.005
%RSD	.1330	.4740	.0629	.1731	.2101	.2383	.0356	.0349	.1123
#1	.4693	.2229	.6215	.7041	33.40	3.954	4.945	1.321	4.108
#2	.4682	.2211	.6210	.7053	33.53	3.973	4.947	1.320	4.106
#3	.4692	.2211	.6207	.7065	33.41	3.962	4.949	1.320	4.115
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2329.8	4772.5	40690.	3401.0					
Stddev	3.0	5.4	151.	2.8					
%RSD	.12822	.11243	.37229	.08250					
#1	2333.3	4772.1	40793.	3401.3					
#2	2328.3	4767.4	40516.	3398.1					
#3	2327.9	4778.1	40761.	3403.7					

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Sample Name: HighStd Acquired: 4/25/2016 9:24:59 Type: Cal
Method: 60102007_042011(v78) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.804	18.73	6.353	37.63	43.40	20.45	17.52	9.912	1.988
Stddev	.0007	.06	.0011	.20	.26	.04	.02	.006	.003
%RSD	.2596	.3133	.1751	.5255	.5916	.1819	.1384	.0632	.1538
#1	.2803	18.79	.6340	37.86	43.66	20.49	17.49	9.906	1.985
#2	.2797	18.68	.6359	37.48	43.14	20.42	17.54	9.912	1.987
#3	.2812	18.71	.6359	37.56	43.41	20.44	17.54	9.919	1.991
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.659	12.64	8.381	2.067	10.38	3.958	33.73	5.812	3.084
Stddev	.007	.04	.050	.006	.01	.004	.21	.014	.008
%RSD	.1955	.3093	.5981	.3156	.0719	.0966	.6132	.2380	.2634
#1	3.657	12.68	8.439	2.065	10.38	3.956	33.96	5.799	3.080
#2	3.667	12.60	8.354	2.062	10.37	3.957	33.57	5.826	3.094
#3	3.654	12.63	8.351	2.074	10.38	3.963	33.66	5.812	3.079

Sample Name: HSTD Acquired: 4/25/2016 9:29:31 Type: QC
 Method: 60102007_042011(v78) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.005	80.19	4.053	3.993	3.999	80.10	4.000	3.996	3.985
Stddev	.0007	.21	.005	.011	.011	.59	.004	.006	.016
%RSD	.1480	.2627	.1158	.2786	.2836	.7380	.1112	.1465	.3904

#1	.5008	79.95	4.050	3.990	3.987	79.69	4.000	3.992	3.978
#2	.5011	80.33	4.051	4.005	4.001	79.82	3.996	3.992	3.975
#3	.4997	80.29	4.059	3.983	4.009	80.77	4.005	4.002	4.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.951	79.73	80.23	80.63	3.943	4.002	80.45	4.001	4.057
Stddev	.003	.42	.19	.79	.032	.003	.10	.008	.012
%RSD	.0768	.5303	.2393	.9848	.8082	.0851	.1292	.2098	.3049

#1	3.947	79.36	80.05	79.93	3.923	3.998	80.36	3.998	4.070
#2	3.952	79.64	80.20	80.46	3.925	4.003	80.56	3.995	4.056
#3	3.953	80.19	80.43	81.49	3.979	4.005	80.44	4.011	4.045

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.036	4.047	4.653	3.959	3.968	3.968	4.019	4.015	3.989
Stddev	.012	.007	.006	.004	.008	.019	.008	.009	.007
%RSD	.2926	.1816	.1225	.1094	.2072	.4796	.1934	.2282	.1750

#1	4.023	4.043	4.647	3.954	3.962	3.967	4.010	4.007	3.992
#2	4.044	4.042	4.655	3.961	3.977	3.950	4.022	4.013	3.981
#3	4.042	4.055	4.658	3.962	3.964	3.988	4.025	4.025	3.995

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 4/25/2016 9:29:31 Type: QC
 Method: 60102007_042011(v78) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2121.0	4524.2	3905.7	3259.7
Stddev	4.6	14.5	183.	34.9
%RSD	.21809	.32099	.46740	1.0710

#1	2124.9	4539.4	39153.	3290.0
#2	2115.9	4522.6	39171.	3267.7
#3	2122.2	4510.5	38846.	3221.5

Sample Name: ICV Acquired: 4/25/2016 9:36:18 Type: QC
 Method: 60102007_042011(v78) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.439	41.15	2.000	2.056	2.082	42.29	2.065	2.054	2.062
Stddev	.0008	.16	.006	.009	.002	.26	.002	.002	.005
%RSD	.3361	.3843	.2978	.4232	.0789	.6239	.1026	.0861	.2240

#1	.2447	40.97	1.996	2.046	2.080	42.01	2.064	2.054	2.061
#2	.2430	41.20	1.998	2.062	2.083	42.54	2.065	2.052	2.067
#3	.2440	41.27	2.007	2.059	2.082	42.33	2.068	2.056	2.058

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.959	41.85	41.76	42.84	2.127	1.934	42.24	2.075	2.044
Stddev	.004	.10	.23	.18	.004	.002	.01	.002	.003
%RSD	.1949	.2470	.5523	.4201	.1942	.0877	.0243	.0899	.1298

#1	1.963	41.73	41.51	42.64	2.129	1.935	42.24	2.073	2.041
#2	1.959	41.93	41.83	42.88	2.130	1.932	42.23	2.075	2.046
#3	1.956	41.89	41.95	42.99	2.122	1.935	42.25	2.077	2.045

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.993	2.037	1.012	2.075	1.941	1.995	2.098	1.946	2.102
Stddev	.001	.006	.0016	.005	.013	.001	.007	.002	.002
%RSD	.0666	.2819	1.551	.2316	.6465	.0674	.3267	.0869	.1096

#1	1.992	2.042	.1004	2.080	1.927	1.997	2.091	1.948	2.105
#2	1.992	2.030	.1002	2.070	1.944	1.995	2.100	1.946	2.101
#3	1.994	2.037	.1030	2.076	1.952	1.994	2.105	1.944	2.101

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 4/25/2016 9:36:18 Type: QC
 Method: 60102007_042011(v78) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2286.3	4717.4	39798.	3274.4
Stddev	5.9	10.2	103.	11.6
%RSD	.25983	.21686	.25837	.35558

#1	2293.1	4728.4	39913.	3287.8
#2	2282.5	4715.6	39715.	3267.8
#3	2283.2	4708.2	39764.	3267.6

Sample Name: ICB Acquired: 4/25/2016 9:44:47 Type: QC
 Method: 60102007_042011(v78) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.0016	.0007	-0.0002	-0.0001	-0.0033	-0.0001	-0.0002	-0.0002
Stddev	.000	.0031	.0015	.0003	.0000	.0045	.0000	.0001	.0002
%RSD	314.1	191.7	197.5	151.1	32.45	133.8	25.23	24.09	102.5

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0008	-0.0035	.0104	.0040	-0.0002	-0.0002	-0.0053	-0.0003	.0003
Stddev	.0001	.0031	.0192	.0121	.0000	.0001	.0062	.0001	.0001
%RSD	11.32	90.04	185.7	298.7	12.16	27.57	117.4	48.65	26.79

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	-0.0005	-0.0003	-0.0003	-0.0002	-0.0002	-0.0007	-0.0004	-0.0005
Stddev	.0002	.0014	.0003	.0005	.0001	.0000	.0010	.0002	.0001
%RSD	53.83	290.9	108.6	157.5	47.40	24.77	144.2	35.20	17.86

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 4/25/2016 9:44:47 Type: QC
 Method: 60102007_042011(v78) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2705.3	4964.5	4240.2	3365.3
Stddev	2.4	2.7	107.	19.1
%RSD	.08844	.05458	.25167	.56756

#1 2707.2 4964.5 42328. 3352.8
 #2 2706.0 4961.7 42355. 3387.3
 #3 2702.6 4967.1 42525. 3355.9

Sample Name: CRIA Acquired: 4/25/2016 9:50:17 Type: QC
 Method: 60102007_042011(v78) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0092	.2097	.0100	.2063	.0049	1.069	.0053	.0553	.0108
Stddev	.0003	.0090	.0008	.0006	.0001	.002	.0000	.0001	.0001
%RSD	3.486	4.277	7.829	.2935	2.011	.1388	.9404	.0971	.7698

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0259	.3154	10.41	5.354	.0167	.0512	10.47	.0446	.0051
Stddev	.0001	.0049	.03	.014	.0002	.0001	.04	.0000	.0003
%RSD	.2953	1.557	.2881	.2666	1.175	.1561	.3396	.0764	5.892

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0048	.0103	.0500	.0555	.0101	.0104	.0100	.0512	.0234
Stddev	.0004	.0009	.0006	.0003	.0000	.0001	.0013	.0003	.0002
%RSD	7.771	8.986	1.177	.5153	.2687	1.294	12.60	.5026	1.019

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 4/25/2016 9:50:17 Type: QC
 Method: 60102007_042011(v78) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2619.3	4928.2	4149.5	3352.3
Stddev	7.3	8.2	221.	12.7
%RSD	.27886	.16548	.53226	.37770

#1 2611.4 4928.2 41614. 3338.0
 #2 2625.8 4936.3 41240. 3356.8
 #3 2620.7 4920.0 41631. 3362.1

Sample Name: ICSEA Acquired: 4/25/2016 9:56:32 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	504.3	-0.007	-0.002	-0.004	486.4	.0006	-0.005	-0.005
Stddev	.0001	5.0	.0005	.0002	.0000	1.6	.0002	.0001	.0003
%RSD	70.78	.9969	72.86	99.36	8.046	.3301	40.36	15.69	49.75
#1	-0.004	509.9	-0.004	-0.002	-0.004	486.4	.0003	-0.004	-0.005
#2	-0.001	500.1	-0.013	.0000	-0.005	484.9	.0007	-0.005	-0.008
#3	-0.002	503.0	-0.004	-0.004	-0.004	488.1	.0007	-0.005	-0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	187.6	.0115	523.2	-0.007	.0000	.1349	-0.001	.0000
Stddev	.0002	.9	.0264	2.6	.0001	.0005	.0099	.0004	.0016
%RSD	47.04	.4797	228.9	.5019	9.700	959.3	7.309	419.7	3736.
#1	.0007	188.6	.0296	526.1	-0.006	.0005	.1247	.0001	.0006
#2	.0005	187.1	-.0188	521.0	-0.007	-0.004	.1357	.0001	-.0018
#3	.0003	187.0	.0238	522.6	-0.006	.0000	.1444	-0.005	.0013

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0000	.0609	F .0011	-0.003	-0.001	-0.0019	.0008	-0.0022
Stddev	.0021	.004	.0008	.0005	.0000	.0001	.0024	.0002	.0001
%RSD	962.5	111500.	1.235	49.81	6.402	53.22	128.6	27.71	6.775
#1	-0.019	.0025	.0606	.0017	-0.003	-0.002	-0.0023	.0006	-0.0020
#2	-.0022	.0018	.0603	.0007	-0.003	-0.002	.0007	.0008	-.0023
#3	-0.010	-.0043	.0617	.0008	-0.003	-0.001	-0.0040	.0011	-.0022

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSEA Acquired: 4/25/2016 9:56:32 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2040.3	4363.6	36719.	3200.0
Stddev	5.5	13.5	59.	10.8
%RSD	.26914	.30982	.16194	.33749
#1	2046.4	4378.0	36787.	3190.3
#2	2038.8	4361.9	36693.	3211.7
#3	2035.8	4351.1	36677.	3198.0

Sample Name: ICSAB Acquired: 4/25/2016 10:02:27 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.049	502.7	1.111	.5271	.5215	484.9	.9836	.4844	.5192
Stddev	.002	2.9	.004	.0021	.0030	3.1	.0014	.0004	.0009
%RSD	.2176	.5745	.3597	.4042	.5670	.6334	.1427	.0778	.1654
#1	1.051	504.8	1.116	.5287	.5243	487.7	.9852	.4848	.5194
#2	1.049	499.4	1.108	.5281	.5218	481.6	.9828	.4842	.5183
#3	1.047	503.8	1.110	.5247	.5184	485.4	.9828	.4841	.5199

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5507	189.5	.0321	520.8	.5207	.9605	.1611	.9786	.9845
Stddev	.0024	.6	.0408	2.0	.0021	.0012	.0068	.0017	.0032
%RSD	.4342	.3055	127.0	.3802	.3947	.1240	4.237	.1709	.3256
#1	.5528	190.1	.0016	523.1	.5223	.9610	.1532	.9805	.9858
#2	.5481	189.4	.0784	519.6	.5184	.9591	.1651	.9778	.9869
#3	.5512	189.0	.0163	519.8	.5214	.9614	.1650	.9775	.9809

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.039	1.039	.0976	.9468	1.021	1.022	.9677	.4843	.9742
Stddev	.003	.001	.0002	.0004	.005	.002	.0059	.0013	.0004
%RSD	.2856	.1333	2.261	.0396	.4735	.1608	.6072	.2748	.0454
#1	1.036	1.039	.0978	.9464	1.025	1.022	.9703	.4855	.9739
#2	1.039	1.039	.0973	.9471	1.022	1.020	.9719	.4828	.9747
#3	1.042	1.041	.0977	.9468	1.016	1.023	.9610	.4845	.9739

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 4/25/2016 10:02:27 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2014.3	4350.1	36476.	3166.0
Stddev	3.1	2.0	78.	8.7
%RSD	.15382	.04506	.21383	.27459
#1	2016.5	4351.6	36464.	3160.4
#2	2010.7	4351.0	36559.	3176.0
#3	2015.5	4347.9	36404.	3161.5

Sample Name: CCV Acquired: 4/25/2016 10:08:41 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2526	40.31	2.053	1.994	2.031	40.51	2.070	2.057	2.061
Stddev	.0013	.10	.003	.012	.006	.28	.002	.001	.006
%RSD	.5309	.2496	.1217	.6080	.3073	.6887	.1062	.0368	.3019
#1	.2540	40.43	2.053	2.008	2.038	40.82	2.071	2.056	2.062
#2	.2513	40.28	2.051	1.988	2.029	40.44	2.071	2.058	2.066
#3	.2526	40.23	2.056	1.987	2.026	40.27	2.067	2.057	2.054

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.026	39.89	40.06	40.41	2.091	2.038	40.43	2.077	2.034
Stddev	.004	.14	.26	.22	.011	.001	.14	.002	.005
%RSD	.2099	.3386	.6576	.5405	.5093	.0565	.3416	.0707	.2326
#1	2.031	40.03	40.36	40.64	2.096	2.037	40.59	2.078	2.032
#2	2.024	39.86	39.84	40.39	2.098	2.039	40.36	2.077	2.039
#3	2.023	39.77	39.99	40.20	2.079	2.038	40.35	2.075	2.030

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.058	2.062	1.476	2.061	1.976	2.075	2.060	2.049	2.046
Stddev	.004	.002	.001	.003	.010	.006	.002	.001	.003
%RSD	.2087	.1062	.0724	.1446	.4872	.3140	.1103	.0474	.1291
#1	2.056	2.063	1.476	2.060	1.987	2.079	2.060	2.050	2.045
#2	2.055	2.063	1.475	2.064	1.970	2.077	2.063	2.048	2.048
#3	2.063	2.059	1.478	2.058	1.971	2.067	2.058	2.049	2.043

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/25/2016 10:08:41 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2319.6	4717.2	40489.	3338.9
Stddev	1.3	3.1	103.	24.3
%RSD	.05479	.06615	.25356	.72845
#1	2320.9	4718.9	40393.	3317.1
#2	2318.4	4719.1	40478.	3334.3
#3	2319.4	4713.6	40597.	3365.1

Sample Name: CCB Acquired: 4/25/2016 10:17:37 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0055	-0.001	-0.004	.0000	.0058	-0.001	-0.001	.0000
Stddev	.0002	.0031	.0010	.0004	.000	.0032	.0001	.0001	.000
%RSD	159.7	55.80	1231.	86.13	39.35	55.52	102.8	87.88	498.7
#1	.0000	.0061	.0003	-.0007	-.0001	.0034	.0000	.0000	.0002
#2	.0000	.0082	-.0012	-.0005	.0000	.0046	-.0001	-.0001	-.0001
#3	.0003	.0022	.0007	.0000	-.0001	.0095	-.0001	-.0002	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.0005	.0096	.0001	-0.001	-0.004	.0109	-0.002	.0002
Stddev	.000	.0026	.0476	.0225	.0000	.0002	.0066	.0002	.0003
%RSD	193.1	502.8	493.4	15070.	41.71	50.03	60.88	90.10	142.5
#1	-.0001	.0010	-.0404	-.0162	.0000	-.0002	.0176	.0000	.0001
#2	.0000	.0009	.0543	.0258	-.0001	-.0004	.0044	-.0002	.0005
#3	.0000	-.0035	.0151	-.0092	-.0001	-.0006	.0107	-.0003	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	-0.0008	.0003	-0.0004	-0.0001	-0.0003	-0.0009	.0000	-0.0003
Stddev	.0004	.0007	.0002	.0002	.0000	.0000	.0002	.000	.0001
%RSD	80.74	87.19	70.79	44.72	29.78	8.551	26.84	1150.	29.62
#1	-.0001	.0000	.0001	-.0003	-.0001	-.0003	-.0011	-.0002	-.0002
#2	-.0005	-.0010	.0004	-.0005	-.0002	-.0004	-.0009	.0001	-.0003
#3	-.0009	-.0013	.0004	-.0002	-.0001	-.0003	-.0006	.0000	-.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/25/2016 10:17:37 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2749.1	4961.6	42728.	3481.5
Stddev	6.1	2.5	151.	14.9
%RSD	.22072	.05089	.35400	.42930
#1	2752.9	4964.3	42806.	3473.2
#2	2752.2	4959.3	42824.	3472.6
#3	2742.1	4961.4	42554.	3498.8

Sample Name: FA33258-1 Acquired: 4/25/2016 10:21:59 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 200.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 11 rows of data for elements Ag3280 through Zn2062, including standard deviation and relative standard deviation values.

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Sample Name: FA33258-3 Acquired: 4/25/2016 10:31:02 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 50.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 11 rows of data for elements Ag3280 through Zn2062, including standard deviation and relative standard deviation values.

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Sample Name: FA33258-2 Acquired: 4/25/2016 10:26:30 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 125.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 11 rows of data for elements Ag3280 through Zn2062, including standard deviation and relative standard deviation values.

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Sample Name: FA33259-1 Acquired: 4/25/2016 10:35:31 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 250.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 11 rows of data for elements Ag3280 through Zn2062, including standard deviation and relative standard deviation values.

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Sample Name: FA33259-2 Acquired: 4/25/2016 10:40:03 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 100.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stdev, %RSD, #1-3, Int. Std., Avg, Stdev, %RSD, #1-3).

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Sample Name: FA33260-1 Acquired: 4/25/2016 10:49:03 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 100.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stdev, %RSD, #1-3, Int. Std., Avg, Stdev, %RSD, #1-3).

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Sample Name: FA33260-2 Acquired: 4/25/2016 10:53:33 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 200.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stdev, %RSD, #1-3, Int. Std., Avg, Stdev, %RSD, #1-3).

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Sample Name: FA33260-3 Acquired: 4/25/2016 10:58:04 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 200.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stdev, %RSD, #1-3, Int. Std., Avg, Stdev, %RSD, #1-3).

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Sample Name: FA33261-1 Acquired: 4/25/2016 11:02:35 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 200.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	0.247	-1.521	0.144	-0.0859	-0.0862	799.3	-0.0522	-0.0724	-1.043
Stddev	.0175	.913	.1380	.0255	.0138	2.6	.0050	.0032	.0044
%RSD	70.86	60.02	957.8	29.68	15.97	.3231	9.538	4.477	4.202
#1	.0303	-1.924	-.0042	-.0653	-.0959	802.0	-.0549	-.0752	-.1062
#2	.0388	-2.163	-.1607	-.1144	-.0923	799.0	-.0465	-.0731	-.1074
#3	.0051	-.4758	-.1133	-.0781	-.0704	796.9	-.0553	-.0688	-.0993

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.062	-2.159	27.26	253.2	-0.0751	-0.0560	844.4	0.0271	-0.0588
Stddev	.0156	.104	4.77	5.4	.0039	.0293	26.	.0166	.0511
%RSD	251.3	4.803	17.50	2.149	5.238	52.23	.3085	61.22	87.04
#1	-0.0007	-2.279	22.88	256.9	-0.0706	-0.0817	8432.	.0164	-0.0064
#2	.0059	-2.096	32.34	255.8	-0.0767	-0.0622	8474.	.0461	-0.0612
#3	-.0238	-2.102	26.55	247.0	-0.0780	-0.0242	8427.	.0186	-1.086

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-2.140	-1.675	3.368	-1.242	12.86	-1.032	-0.0350	-0.0926	2.575
Stddev	.1132	.4841	.057	.0533	.03	.0141	.2435	.0232	.012
%RSD	52.91	289.0	1.695	42.91	.2354	13.69	695.7	25.01	.4585
#1	-.2776	.3658	3.302	-.1577	12.88	-.1194	.2331	-.1189	2.566
#2	-.2813	-.5792	3.402	-.1522	12.86	-.0930	-.2424	-.0839	2.570
#3	-.0833	-.2890	3.401	-.0628	12.82	-.0974	-.0956	-.0750	2.588

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2569.6	4838.8	41422.	3465.0
Stddev	1.2	4.1	165.	13.3
%RSD	.04525	.08480	.39907	.38318
#1	2568.4	4843.3	41266.	3462.6
#2	2570.7	4835.2	41596.	3453.0
#3	2569.6	4837.9	41405.	3479.3

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Sample Name: CCV Acquired: 4/25/2016 11:07:06 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.503	39.98	2.059	1.980	2.026	40.11	2.070	2.052	2.038
Stddev	.0015	.42	.008	.021	.018	.47	.002	.004	.011
%RSD	.5845	1.039	.4100	1.034	.8831	1.167	.1054	.1857	.5228
#1	.2520	40.39	2.063	1.999	2.046	40.53	2.070	2.053	2.031
#2	.2499	39.56	2.050	1.958	2.013	39.60	2.067	2.048	2.031
#3	.2491	39.99	2.066	1.984	2.018	40.20	2.072	2.056	2.050

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.997	39.67	39.59	39.94	2.067	2.030	40.41	2.080	2.033
Stddev	.015	.41	.43	.39	.007	.005	.33	.005	.001
%RSD	.7260	1.041	1.076	.9746	.3201	.2524	.8057	.2390	.0569
#1	2.012	40.09	40.02	40.29	2.066	2.028	40.78	2.080	2.032
#2	1.994	39.26	39.17	39.52	2.061	2.026	40.15	2.074	2.032
#3	1.984	39.66	39.57	39.99	2.075	2.036	40.31	2.084	2.034

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.057	2.054	1.474	2.056	1.955	2.057	2.064	2.042	2.036
Stddev	.008	.003	.005	.006	.022	.004	.011	.007	.001
%RSD	.3923	.1623	.3204	.2749	1.140	.1681	.5229	.3294	.0534
#1	2.055	2.055	1.475	2.058	1.980	2.056	2.061	2.040	2.037
#2	2.050	2.051	1.469	2.049	1.936	2.054	2.055	2.037	2.035
#3	2.066	2.057	1.479	2.060	1.950	2.061	2.076	2.049	2.035

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Sample Name: CCV Acquired: 4/25/2016 11:07:06 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2327.2	4734.6	40871.	3384.8
Stddev	1.3	6.4	129.	41.0
%RSD	.05495	.13519	.31644	1.2122
#1	2328.7	4732.4	40900.	3352.8
#2	2326.5	4741.8	40982.	3431.0
#3	2326.4	4729.6	40729.	3370.4

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Sample Name: CCB Acquired: 4/25/2016 11:11:16 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.003	-0.004	0.000	0.000	0.007	-0.001	-0.001	0.001
Stddev	.0003	.0060	.0006	.000	.000	.0032	.0001	.0001	.0000
%RSD	255.8	2241.	162.9	343.4	71.08	487.8	70.02	51.67	47.02
#1	.0002	-.0069	-.0005	-.0001	.0000	.0027	.0000	-.0001	.0001
#2	-.0003	.0013	-.0008	.0001	.0000	-.0031	-.0001	-.0002	.0001
#3	-.0003	.0048	.0003	-.0002	.0000	.0024	-.0001	-.0001	.0001

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.001	0.043	0.017	-0.0230	-0.001	0.005	0.026	-0.002	-0.002
Stddev	.0001	.0035	.0356	.0265	.0001	.0002	.0054	.0000	.0006
%RSD	211.0	81.76	2099.	115.6	68.58	43.90	20.53	19.26	241.1
#1	.0001	.0082	-.0282	.0064	.0000	.0006	.0310	-.0002	.0003
#2	-.0001	.0034	.0410	-.0301	-.0001	.0006	.0204	-.0003	-.0002
#3	.0001	.0013	-.0078	-.0452	-.0002	.0002	.0272	-.0002	-.0009

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.001	-0.017	0.010	-0.001	-0.001	0.003	-0.005	-0.002	-0.003
Stddev	.0013	.0009	.0002	.0004	.0000	.0001	.0014	.0002	.0001
%RSD	210.4	50.49	22.42	346.4	50.87	30.84	286.9	112.6	42.18
#1	-.0003	-.0008	.0007	.0003	.0000	.0004	-.0020	.0000	-.0001
#2	-.0010	-.0025	.0011	-.0001	-.0001	.0003	.0006	-.0004	-.0003
#3	.0015	-.0018	.0011	-.0005	-.0001	.0002	.0000	-.0002	-.0003

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Sample Name: CCB Acquired: 4/25/2016 11:11:16 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2727.0	4946.7	42925.	3468.1
Stddev	5.2	14.1	224.	26.4
%RSD	.19060	.28588	.52251	.76213

#1	2733.0	4962.0	43181.	3496.1
#2	2723.3	4934.1	42834.	3443.6
#3	2724.8	4943.8	42762.	3464.5

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Sample Name: FA33261-2 Acquired: 4/25/2016 11:15:48 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 200.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.257	5.515	.0243	-0.373	-0.814	914.1	-0.558	-0.520	-0.460
Stddev	.0106	1.626	.0410	.0117	.0133	4.5	.0042	.0042	.0114
%RSD	41.34	294.8	168.5	31.38	16.36	.4919	7.554	8.137	24.68

#1	-0.175	.5880	.0688	-0.240	-0.686	911.0	-0.520	-0.500	-0.378
#2	-0.377	-1.092	-0.119	-0.461	-0.952	919.3	-0.603	-0.492	-0.413
#3	-0.219	2.159	.0160	-0.416	-0.804	912.1	-0.550	-0.569	-0.589

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.245	5.485	24.46	242.3	2.123	0.192	1472.0	-0.387	-0.376
Stddev	.0585	.5829	4.51	1.6	.0078	.0341	36.	.0187	.1580
%RSD	239.3	106.3	18.42	.6488	3.663	178.1	.2459	48.25	420.0

#1	.0920	9.896	24.27	240.5	2.191	.0384	14700.	-0.336	-0.268
#2	-0.071	.7682	29.06	243.4	.2038	.0394	14760.	-0.231	.1147
#3	-0.115	-1.123	20.05	243.0	.2141	-0.202	14690.	-0.594	-2.007

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-1.750	-0.421	5.883	-0.817	15.94	-0.307	-0.217	-0.342	1.451
Stddev	.1421	.0715	.127	.0040	.05	.0223	.1377	.0197	.007
%RSD	81.22	169.8	2.165	4.889	.3383	72.60	63.46	57.63	4808

#1	-0.110	-0.138	5.735	-0.861	15.89	-0.110	-0.3313	-0.196	1.453
#2	-0.2626	-1.234	5.953	-0.783	16.00	-0.550	-0.2557	-0.265	1.457
#3	-0.2513	.0109	5.959	-0.807	15.95	-0.262	-0.0641	-0.0567	1.443

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2523.8	4829.0	41097.	3451.7
Stddev	8.3	13.0	207.	1.9
%RSD	.33015	.26975	.50431	.05440

#1	2528.3	4842.1	41098.	3452.6
#2	2529.0	4828.8	41303.	3449.6
#3	2514.2	4816.1	40889.	3453.1

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7.3
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Sample Name: FA33261-3 Acquired: 4/25/2016 11:20:18 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 100.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.097	-6.594	-0.309	-0.055	-0.460	613.4	-0.225	-0.318	-0.318
Stddev	.0260	.2635	.0674	.0083	.0011	5.8	.0026	.0074	.0117
%RSD	267.5	39.97	218.0	150.2	0.426	11.37	23.18	36.88	

#1	-0.145	-4.944	-0.289	.0006	-0.472	611.7	-0.249	-0.327	-0.186
#2	.0372	-5.204	-0.994	-0.149	-0.459	619.8	-0.198	-0.386	-0.356
#3	.0065	-9.633	.0354	-0.022	-0.449	608.7	-0.226	-0.240	-0.412

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.066	-8.286	20.54	123.6	0.106	-0.181	5953.	-0.266	-0.286
Stddev	.0188	.2594	1.48	.6	.0015	.0122	27.	.0156	.0515
%RSD	283.8	31.31	7.215	.4583	13.94	67.21	4.483	58.71	180.0

#1	.0090	-1.109	19.28	123.1	.0096	-0.317	5958.	-0.349	-0.797
#2	.0241	-5.969	22.18	123.4	.0123	-0.080	5977.	-0.362	.0233
#3	-0.132	-7.800	20.16	124.2	.0099	-0.148	5925.	-0.086	-0.294

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-1.630	-1.303	3.144	-0.543	7.714	-0.297	-0.0913	-0.353	7.395
Stddev	.0673	.0483	.024	.0070	.036	.0104	.1144	.0058	.0235
%RSD	41.30	37.06	.7488	12.96	.4661	34.97	125.2	16.42	3.180

#1	-2.106	-1.838	3.164	-0.463	7.714	-0.414	-0.364	-0.333	7.374
#2	-0.860	-0.900	3.151	-0.075	7.750	-0.265	-0.148	-0.418	7.171
#3	-1.925	-1.170	3.118	-0.092	7.678	-0.213	-0.228	-0.307	7.640

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2546.5	4853.3	41342.	3453.3
Stddev	10.7	12.3	94.	34.8
%RSD	.41881	.25273	.22652	1.0075

#1	2543.2	4846.1	41429.	3463.9
#2	2558.5	4867.5	41355.	3414.5
#3	2537.9	4846.4	41243.	3481.6

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Sample Name: FA33262-2 Acquired: 4/25/2016 11:29:18 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 200.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.018	-9.129	0.707	-0.507	-0.802	819.5	-0.543	-0.704	-0.676
Stddev	.0690	1.350	.0777	.0072	.0067	5.1	.0115	.0141	.0175
%RSD	3816.	147.9	109.9	14.23	8.362	.6271	21.09	20.05	25.88

#1	.0271	-2.141	-0.178	-0.554	-0.878	821.0	-0.578	-0.619	-0.523
#2	-0.806	-1.131	-.1279	-0.542	-0.776	823.7	-0.636	-0.627	-0.638
#3	.0480	.5333	.1019	-0.424	-0.752	813.7	-0.415	-0.868	-0.867

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.150	-1.573	30.14	177.1	-0.068	-0.633	8301.	-0.764	-0.319
Stddev	.0175	.850	1.17	4.4	.0029	.0159	6.	.0276	.0722
%RSD	116.4	54.04	3.886	2.497	42.71	25.09	.0689	36.18	225.9

#1	-0.198	-1.911	30.98	181.8	-0.036	-0.718	8304.	-1.046	.0381
#2	-0.295	-2.201	30.64	176.3	-0.092	-0.449	8305.	-0.752	-0.278
#3	.0044	-6.057	28.80	173.1	-0.077	-0.730	8295.	-0.493	-1.061

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-2.942	2.128	4.904	-0.520	11.68	-0.725	-1.402	-0.624	1.250
Stddev	.1223	.1233	.052	.0651	.02	.0078	.1781	.0426	.004
%RSD	41.58	57.95	1.051	125.2	.1428	10.78	127.1	68.33	.3557

#1	-4.244	.2096	4.879	-1.236	11.67	-0.749	-0.3410	-0.778	1.245
#2	-2.765	.3378	4.870	-0.360	11.70	-0.638	-0.0781	-0.142	1.251
#3	-1.817	.0912	4.964	.0036	11.68	-0.789	-0.0014	-0.0952	1.253

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2574.3	4843.2	41369.	3453.2
Stddev	5.0	6.3	197.	35.3
%RSD	.19431	.13026	.47609	1.0236

#1	2580.1	4845.2	41585.	3449.8
#2	2572.0	4836.2	41198.	3419.6
#3	2570.9	4848.3	41325.	3490.1

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Sample Name: FA33262-3 Acquired: 4/25/2016 11:33:50 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 100.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.065	1.925	0.325	-0.129	-0.400	839.6	-0.248	-0.313	-0.322
Stddev	.0214	.986	.1089	.0074	.0072	5.2	.0072	.0041	.0065
%RSD	327.7	51.21	335.0	57.11	17.94	.6167	28.93	13.17	20.20
#1	-.0138	2.189	.1303	-.0200	-.0461	843.3	-.0296	-.0316	-.0273
#2	.0045	8337	.0522	-.0053	-.0417	833.7	-.0166	-.0270	-.0297
#3	.0289	2.751	-.0849	-.0135	-.0321	841.8	-.0284	-.0352	-.0396
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	0.118	1.191	25.62	155.5	0.178	0.262	6301.	-0.132	-0.463
Stddev	.0125	.372	2.83	.5	.0008	.0062	16.	.0211	.0696
%RSD	106.3	31.25	11.05	.3370	4.409	23.74	.2605	159.5	150.4
#1	.0198	1.146	27.07	155.6	.0183	.0262	6320.	-.0323	-.0317
#2	.0183	1.583	22.36	154.9	.0181	.0200	6293.	.0094	0.149
#3	-.0027	.8426	27.43	156.0	.0169	.0324	6291.	-.0166	-.1220
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.825	-1.741	7.345	-0.566	10.87	0.036	-1.029	-0.220	-7.102
Stddev	.0333	.0446	.015	.0334	.02	.0023	.1572	.0249	.0138
%RSD	40.32	25.62	.1974	59.04	.1948	63.44	152.7	113.2	1.937
#1	-.0580	.1231	7.361	-.0474	10.88	.0062	-.2205	-.0141	.6951
#2	-.0692	.2058	7.335	-.0936	10.85	.0024	-.1638	-.0020	.7221
#3	-.1204	.1934	7.338	-.0287	10.89	.0021	.0756	-.0499	.7134
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2522.9	4813.4	40768.	3391.5					
Stddev	1.9	5.1	143.	18.5					
%RSD	.07441	.10642	.35061	.54496					
#1	2524.4	4807.5	40850.	3377.4					
#2	2523.4	4815.7	40603.	3412.4					
#3	2520.8	4816.9	40851.	3384.5					

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Sample Name: FA33263-1 Acquired: 4/25/2016 11:38:22 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 200.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.180	5.088	-1.652	-0.949	-0.892	893.2	-0.545	-0.705	-0.734
Stddev	.0384	1.284	.0505	.0227	.0102	3.7	.0050	.0102	.0591
%RSD	213.5	252.4	30.54	23.91	11.43	.4180	9.222	14.47	80.52
#1	-.0276	1.992	-.1577	-.0688	-.0777	890.6	-.0567	-.0823	-.0337
#2	-.0507	-2.162	-.2191	-.1061	-.0928	897.4	-.0581	-.0640	-.0451
#3	.0243	-2.491	-.1190	-.1097	-.0971	891.4	-.0488	-.0653	-.1412
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	0.110	-1.268	22.32	190.2	-0.214	-0.036	13430.	-0.584	-0.564
Stddev	.0154	.228	3.27	2.2	.0092	.0010	39.	.0157	.0788
%RSD	140.5	18.01	14.67	1.182	42.89	28.91	.2905	26.83	139.8
#1	.0037	-1.165	22.74	188.0	-.0319	-.0026	13390.	-.0537	-.0209
#2	.0287	-1.110	25.36	192.5	-.0147	-.0047	13460.	-.0758	-.0015
#3	.0005	-1.530	18.85	190.1	-.0176	-.0035	13450.	-.0456	-.1467
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-4.148	-3.582	4.236	-1.381	14.34	-0.920	-2.094	-0.674	1.555
Stddev	.1980	.0662	.015	.0802	.09	.0234	.1242	.0117	.019
%RSD	47.75	18.47	.3629	58.06	.6133	25.47	59.35	17.32	1.227
#1	-.6192	-.4325	4.253	-.2083	14.25	-.1024	-.1830	-.0787	1.539
#2	-.4012	-.3057	4.224	-.0507	14.43	-.1084	-.3447	-.0683	1.549
#3	-.2239	-.3363	4.230	-.1553	14.33	-.0652	-.1004	-.0554	1.576
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2518.1	4813.6	41364.	3470.4					
Stddev	16.3	22.8	167.	31.3					
%RSD	.64874	.47449	.40274	.90081					
#1	2529.8	4833.4	41364.	3504.9					
#2	2525.1	4818.9	41531.	3443.9					
#3	2499.5	4788.6	41198.	3462.4					

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7.3
7

Sample Name: FA33263-2 Acquired: 4/25/2016 11:42:53 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 200.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.148	-1.181	-0.312	-0.079	-0.872	924.1	-0.563	-0.708	-1.014
Stddev	.0338	1.113	.1187	.0842	.0051	4.2	.0083	.0225	.0084
%RSD	228.4	94.18	380.3	86.01	5.867	4503	14.71	31.80	8.247
#1	-.0061	-2.409	-.1580	-.1609	-.0814	923.2	-.0642	-.0690	-.1050
#2	-.0033	-.8946	.0771	-.1307	-.0890	920.5	-.0572	-.0942	-.1073
#3	.0538	-.2402	-.0127	-.0022	-.0912	928.6	-.0477	-.0493	-.0918
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(In2306)
Avg	-0.387	-1.990	21.29	326.8	-0.381	-1.397	7029.	-0.800	-0.817
Stddev	.0263	.519	6.67	6.0	.0019	.0249	25.	.0468	.0453
%RSD	67.99	26.11	31.32	1.829	5.011	17.81	.3531	58.48	55.51
#1	-.0087	-1.756	24.23	328.5	-.0403	-.1293	7024.	-.0385	-.1337
#2	-.0580	-1.628	13.66	331.7	-.0370	-.1681	7007.	-.0709	-.0608
#3	-.0495	-2.585	25.99	320.1	-.0369	-.1217	7056.	-.1307	-.0505
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-3.179	-3.042	4.916	-1.091	15.07	-0.734	-3.500	-0.666	2.053
Stddev	.0734	.1515	.039	.0407	.01	.0188	.1886	.0345	.015
%RSD	23.09	49.80	.7870	37.30	.0534	25.55	53.89	51.86	.7387
#1	-.2734	-.4458	4.933	-.0699	15.08	-.0903	-.2285	-.1064	2.070
#2	-.2777	-.1444	4.943	-.1063	15.06	-.0768	-.5673	-.0465	2.047
#3	-.4026	-.3224	4.871	-.1512	15.07	-.0532	-.2542	-.0468	2.042
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2572.0	4842.4	41639.	3453.5					
Stddev	4.7	7.9	275.	9.3					
%RSD	.18425	.16271	.66036	.26939					
#1	2577.1	4851.3	41415.	3450.1					
#2	2571.0	4839.6	41557.	3464.0					
#3	2567.8	4836.4	41946.	3446.3					

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Sample Name: FA33263-3 Acquired: 4/25/2016 11:47:24 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 200.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.314	-3.198	.4535	-0.728	-0.898	984.0	-0.542	-0.626	-0.939
Stddev	.0370	1.364	.1498	.0225	.0197	4.4	.0026	.0142	.0019
%RSD	117.7	42.65	33.03	30.95	21.98	.4498	4.786	22.69	1.983
#1	-.0044	-4.492	.6226	-.0665	-.0685	979.3	-.0538	-.0581	-.0954
#2	.0292	-3.327	.3377	-.0978	-.0935	988.1	-.0519	-.0512	-.0945
#3									

Sample Name: FA33259-4 Acquired: 4/25/2016 11:51:54 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.024	0.011	0.094	-0.004	30.15	-0.003	0.012	-0.003
Stddev	.0002	.0030	.0003	.0002	.0000	.18	.0000	.0001	.0001
%RSD	340.8	126.8	32.64	1.720	10.69	.6088	1.647	8.406	45.13
#1	.0000	-.0009	.0008	.0093	-.0004	30.36	-.0003	.0013	-.0004
#2	.0001	.0029	.0010	.0096	-.0003	30.08	-.0003	.0011	-.0002
#3	-.0002	.0051	.0014	.0094	-.0004	30.01	-.0003	.0012	-.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.004	-0.073	6.504	7.400	0.636	-0.007	9.942	0.102	-0.002
Stddev	.0002	.0035	.0177	.050	.0001	.0000	.017	.0002	.0002
%RSD	43.30	47.51	2.717	.6721	.2226	6.456	.1724	1.735	85.84
#1	.0002	-.0093	6.307	7.451	.0637	-.0007	9.944	.0100	.0000
#2	.0004	-.0093	6.559	7.396	.0638	-.0007	9.958	.0103	-.0003
#3	.0005	-.0033	6.647	7.352	.0635	-.0007	9.924	.0102	-.0002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.000	-0.003	3.639	-0.004	6.783	0.000	-0.023	-0.003	0.167
Stddev	.0008	.0017	.004	.0003	.0028	.0000	.0015	.0001	.0001
%RSD	1636.	553.7	1.026	73.59	.4077	789.5	64.92	44.71	.7105
#1	.0009	.0011	3.643	-.0008	.6808	.0000	-.0040	-.0004	.0166
#2	.0000	.0001	3.636	-.0003	.6753	.0000	-.0014	-.0002	.0166
#3	-.0007	-.0022	3.639	-.0002	.6788	.0000	-.0015	-.0002	.0168
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2586.8	4842.0	41868.	3401.0					
Stddev	3.1	7.1	128.	19.0					
%RSD	.11820	.14662	.30501	.55828					
#1	2588.5	4833.9	41802.	3380.7					
#2	2583.3	4847.0	41787.	3404.2					
#3	2588.6	4845.1	42015.	3418.2					

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Sample Name: FA33259-3 Acquired: 4/25/2016 11:56:22 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 200.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0166	-1.567	0.342	-0.0947	-0.0840	866.1	-0.581	-0.0727	-0.742
Stddev	.0260	1.825	.0829	.0595	.0113	3.7	.0025	.0092	.0826
%RSD	156.9	116.4	242.1	62.80	13.41	.4228	4.377	12.58	111.3
#1	.0096	-1.332	.0866	-.0474	-.0794	869.1	-.0562	-.0756	-.0309
#2	-.0424	-3.498	-.0613	-.0752	-.0758	867.2	-.0610	-.0625	-.1694
#3	-.0170	-.1289	.0774	-.1614	-.0969	862.1	-.0572	-.0801	-.0223
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0874	-2.210	30.45	355.9	-0.0445	-1.707	8263.	-0.0574	-0.447
Stddev	.0031	.090	6.45	1.5	.0148	.0242	33.	.0312	.0546
%RSD	3.528	4.067	21.17	.4201	33.33	14.17	.4033	54.48	122.2
#1	.0902	-2.164	29.03	356.3	-.0467	-.1824	8261.	-.0665	-.0011
#2	.0841	-2.153	24.83	354.3	-.0581	-.1429	8297.	-.0225	-.0270
#3	.0878	-2.314	37.49	357.2	-.0287	-.1868	8231.	-.0830	-.1059
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.2414	-4.678	4.625	-0.0940	14.99	-1.026	-2.308	-0.011	1.234
Stddev	.0719	.2733	.051	.0937	.10	.0106	.2464	.0406	.003
%RSD	29.77	58.43	1.093	99.66	.6990	10.30	106.8	36.25	.2436
#1	-.2868	-.5971	4.644	-.1860	15.04	-.0923	-.1502	-.0479	1.238
#2	-.2788	-.1538	4.663	-.0013	15.06	-.1020	-.5074	.0244	1.232
#3	-.1585	-.6525	4.567	-.0974	14.87	-.1134	-.0347	.0202	1.234
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2555.6	4840.1	41533.	3472.1					
Stddev	2.4	3.3	72.	17.6					
%RSD	.09349	.06877	.17221	.50823					
#1	2553.3	4836.5	41489.	3468.0					
#2	2558.1	4843.0	41615.	3456.9					
#3	2555.3	4840.9	41494.	3491.5					

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7.3
7

Sample Name: CCV Acquired: 4/25/2016 12:00:52 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.537	40.42	2.077	2.016	2.045	40.58	2.093	2.074	2.063
Stddev	.0011	.13	.006	.006	.005	.21	.002	.002	.006
%RSD	.4229	.3260	.2850	.3212	.2631	.5166	.1114	.1137	.2992
#1	.2548	40.43	2.083	2.016	2.047	40.42	2.093	2.075	2.057
#2	.2535	40.28	2.071	2.010	2.039	40.50	2.091	2.072	2.064
#3	.2527	40.55	2.077	2.023	2.050	40.81	2.096	2.076	2.069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.022	40.01	40.04	40.31	2.092	2.050	40.68	2.103	2.059
Stddev	.009	.16	.16	.27	.007	.004	.09	.004	.002
%RSD	.4275	.3981	.3885	.6694	.3596	.1778	.2169	.1743	.0903
#1	2.032	40.10	40.02	40.10	2.084	2.049	40.73	2.103	2.060
#2	2.018	39.82	39.90	40.21	2.095	2.047	40.58	2.100	2.056
#3	2.017	40.10	40.21	40.61	2.098	2.054	40.73	2.108	2.059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.075	2.081	1.488	2.079	1.985	2.079	2.083	2.066	2.059
Stddev	.001	.002	.001	.002	.010	.004	.004	.006	.005
%RSD	.0591	.1028	.0882	.0775	.4930	.1722	.1756	.2702	.2366
#1	2.076	2.082	1.488	2.081	1.987	2.075	2.086	2.060	2.058
#2	2.074	2.079	1.487	2.078	1.974	2.080	2.082	2.067	2.055
#3	2.074	2.083	1.490	2.080	1.993	2.082	2.079	2.071	2.064
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 4/25/2016 12:00:52 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2314.0	4705.9	40450.	3390.9
Stddev	2.5	7.6	106.	15.5
%RSD	.10907	.16238	.26304	.45671
#1	2312.0	4700.7	40536.	3405.8
#2	2316.8	4714.7	40483.	3391.8
#3	2313.2	4702.3	40331.	3374.9

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Sample Name: CCB Acquired: 4/25/2016 12:07:54 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	-0.0047	-0.002	-0.001	-0.002	0.020	-0.001	-0.002	-0.002
Stddev	.0002	.0013	.0002	.0002	.0000	.0006	.0001	.0000	.0001
%RSD	90.06	28.75	107.9	415.3	21.15	31.90	39.15	13.98	25.96
#1	-0.003	-0.0060	-0.002	-0.002	-0.002	.0014	-0.001	-0.002	-0.002
#2	-0.003	-0.0046	.0000	.0002	-0.002	.0027	-0.002	-0.002	-0.002
#3	.0000	-0.0034	-0.003	-0.001	-0.002	.0020	-0.002	-0.002	-0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0029	-0.261	-0.157	-0.002	-0.003	.0135	-0.002	-0.006
Stddev	.0002	.0049	.0008	.0195	.0000	.0000	.0076	.0001	.0006
%RSD	266.0	170.0	2.981	124.0	19.53	13.63	56.57	52.72	96.04
#1	.0002	.0027	-0.268	.0061	-0.002	-0.003	.0086	-0.003	-0.010
#2	.0001	-0.0051	-0.262	-0.315	-0.002	-0.004	.0223	-0.001	-0.007
#3	-0.001	-0.0063	-0.252	-0.217	-0.002	-0.004	.0095	-0.001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0009	.0015	-0.004	-0.001	-0.003	.0000	-0.004	-0.003
Stddev	.0010	.0006	.0002	.0004	.0001	.0001	.0010	.0000	.0000
%RSD	194.7	67.87	13.78	101.8	41.96	29.67	2614.	9.805	1.398
#1	-0.010	-0.0009	.0017	-0.001	-0.001	-0.002	.0011	-0.004	-0.003
#2	.0009	-0.0003	.0013	-0.003	-0.001	-0.004	-0.003	-0.005	-0.003
#3	.0003	-0.0015	.0016	-0.008	-0.002	-0.004	-0.007	-0.004	-0.003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/25/2016 12:07:54 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2722.4	4930.2	42360.	3392.1
Stddev	2.2	6.7	89.	26.7
%RSD	.07911	.13604	.20955	.78793
#1	2724.4	4937.7	42333.	3370.3
#2	2720.1	4927.8	42288.	3421.9
#3	2722.6	4924.9	42459.	3384.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0029	-0.261	-0.157	-0.002	-0.003	.0135	-0.002	-0.006
Stddev	.0002	.0049	.0008	.0195	.0000	.0000	.0076	.0001	.0006
%RSD	266.0	170.0	2.981	124.0	19.53	13.63	56.57	52.72	96.04
#1	.0002	.0027	-0.268	.0061	-0.002	-0.003	.0086	-0.003	-0.010
#2	.0001	-0.0051	-0.262	-0.315	-0.002	-0.004	.0223	-0.001	-0.007
#3	-0.001	-0.0063	-0.252	-0.217	-0.002	-0.004	.0095	-0.001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0009	.0015	-0.004	-0.001	-0.003	.0000	-0.004	-0.003
Stddev	.0010	.0006	.0002	.0004	.0001	.0001	.0010	.0000	.0000
%RSD	194.7	67.87	13.78	101.8	41.96	29.67	2614.	9.805	1.398
#1	-0.010	-0.0009	.0017	-0.001	-0.001	-0.002	.0011	-0.004	-0.003
#2	.0009	-0.0003	.0013	-0.003	-0.001	-0.004	-0.003	-0.005	-0.003
#3	.0003	-0.0015	.0016	-0.008	-0.002	-0.004	-0.007	-0.004	-0.003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: FA33262-1 Acquired: 4/25/2016 12:12:26 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 500.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0812	.4270	-0.0777	-0.1352	-0.1846	1249.	-0.1318	-0.1567	-0.1257
Stddev	.0331	3.289	.1776	.1435	.0251	4.	.0122	.0581	.0988
%RSD	40.76	770.2	228.5	106.2	13.61	.3030	9.274	37.09	78.60
#1	.0790	-2.184	-1.391	-0.748	-.1697	1246.	-.1459	-1.437	-1.967
#2	.0493	4.120	.1224	-0.318	-.1704	1253.	-.1239	-1.063	-0.129
#3	.1154	-.6554	-.2165	-.2991	-.2136	1249.	-.1257	-.2203	-1.676

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0683	.8772	35.38	292.4	.0458	-1.697	19950.	-0.205	-1.027
Stddev	.0864	1.056	20.97	17.2	.0171	.0580	78.	.0040	.2270
%RSD	126.5	120.4	59.28	5.896	37.35	34.20	.3914	19.64	221.0
#1	.1058	.0287	26.39	299.1	.0271	-1.165	19870.	-0.168	.0504
#2	-0.0305	2.060	20.40	305.2	.0497	-2.316	19960.	-0.248	-3.634
#3	.1296	.5428	59.35	272.8	.0607	-1.610	20030.	-0.200	.0050

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.9023	-0.1978	11.20	-0.3014	21.36	-0.1099	-0.4840	-0.2360	3.294
Stddev	.0610	.5699	.13	.1019	.09	.0352	.6426	.0974	.050
%RSD	6.761	288.1	1.148	33.81	.4257	32.00	132.8	41.28	1.518
#1	-0.9718	-0.0111	11.33	-0.3805	21.29	-0.1496	-1.138	-0.3462	3.269
#2	-0.8774	-0.8400	11.18	-0.1864	21.46	-0.0829	-0.4601	-0.1612	3.262
#3	-0.8576	.2476	11.08	-0.3372	21.32	-0.0972	-0.1464	-0.2006	3.352

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2567.2	4853.2	41551.	3418.9
Stddev	5.9	4.2	80.	20.7
%RSD	.22850	.08729	.19320	.60566
#1	2572.4	4857.5	41641.	3434.0
#2	2568.4	4853.3	41525.	3427.5
#3	2560.8	4849.0	41487.	3395.3

Sample Name: MP30270-MB1 Acquired: 4/25/2016 12:16:58 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	.0016	-0.0022	-0.0005	-0.0004	.0128	-0.0003	-0.0004
Stddev	.0001	.0035	.0007	.0004	.0001	.0019	.0000	.0000
%RSD	23.77	214.9	33.00	94.62	18.06	14.50	5.973	10.91
#1	-0.0003	.0043	-0.017	-0.009	-0.003	.0148	-0.004	-0.005
#2	-0.0002	-0.0023	-0.019	.0000	-0.004	.0127	-0.003	-0.004
#3	-0.0004	.0029	-0.030	-0.005	-0.004	.0111	-0.003	-0.004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0002	.0037	.0123	-0.0171	-0.0001	-0.0006	.0389
Stddev	.0001	.0001	.0006	.0233	.0179	.0000	.0000	.0070
%RSD	302.1	27.53	15.82	189.0	104.8	9.912	4.394	18.02
#1	.0000	.0001	.0034	.0123	-0.0112	-0.0001	-0.0005	.0364
#2	.0001	.0003	.0044	.0356	-0.0372	-0.0001	-0.0006	.0469
#3	.0000	.0002	.0033	-0.0110	-0.0028	-0.0001	-0.0005	.0335

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	-0.0001	.0003	.0017	.0138	.0219	-0.0003	-0.0004
Stddev	.0001	.0001	.0003	.0014	.0012	.0001	.0001	.0000
%RSD	27.50	69.15	100.7	83.10	8.613	.3969	15.48	5.449
#1	-0.0002	-0.0001	.0000	.0034	.0132	.0218	-0.0003	-0.0004
#2	-0.0002	.0000	.0007	.0009	.0130	.0220	-0.0004	-0.0004
#3</								

Sample Name: MP30270-MB1 Acquired: 4/25/2016 12:16:58 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	F -0.0064	-0.0004	.0002
Stddev	.0074	.0002	.0000
%RSD	115.0	58.19	16.57

#1	-0.149	-0.005	.0002
#2	-0.025	-0.001	.0002
#3	-0.018	-0.006	.0002

Check ?	Chk Fail	Chk Pass	Chk Pass
High Limit	.0050		
Low Limit	-.0050		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2715.3	4892.1	43380.	3491.6
Stddev	4.0	5.5	79.	33.4
%RSD	.14851	.11149	.18267	.95717

#1	2719.2	4897.7	43446.	3515.0
#2	2715.6	4886.8	43403.	3453.3
#3	2711.2	4891.7	43293.	3506.5

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Sample Name: MP30270-B1 Acquired: 4/25/2016 12:21:31 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0465	26.35	2.000	2.007	.0517	25.21	.0519	.5146	.2055
Stddev	.0002	.05	.007	.010	.0002	.10	.0002	.0010	.0008
%RSD	.3589	.2064	.3639	.4980	.3008	.4016	.3432	.1876	.4075

#1	.0464	26.38	2.001	2.013	.0519	25.29	.0518	.5138	.2055
#2	.0467	26.28	1.992	1.996	.0516	25.10	.0518	.5143	.2046
#3	.0464	26.37	2.007	2.013	.0517	25.24	.0521	.5157	.2063

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2583	26.25	24.24	24.38	.5292	.4962	24.79	.5273	.4920
Stddev	.0007	.14	.11	.12	.0031	.0013	.10	.0014	.0015
%RSD	.2718	.5337	.4725	.4949	.5948	.2529	.4219	.2653	.3017

#1	.2590	26.38	24.34	24.49	.5288	.4957	24.86	.5267	.4919
#2	.2583	26.10	24.11	24.25	.5262	.4954	24.67	.5264	.4905
#3	.2576	26.25	24.27	24.39	.5325	.4977	24.83	.5290	.4935

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5036	2.003	.0226	.5248	.4729	.5037	1.985	.4937	.5125
Stddev	.0004	.011	.0006	.0009	.0022	.0014	.004	.0017	.0008
%RSD	.0749	.5495	2.627	.1680	.4705	.2695	.1785	.3403	.1484

#1	.5038	2.002	.0220	.5237	.4751	.5036	1.981	.4926	.5118
#2	.5038	1.993	.0227	.5253	.4706	.5024	1.986	.4928	.5125
#3	.5032	2.015	.0231	.5253	.4729	.5051	1.987	.4956	.5133

Check ?	Chk Pass	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
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7.3
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Sample Name: MP30270-B1 Acquired: 4/25/2016 12:21:31 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2462.6	4832.5	41662.	3452.9
Stddev	2.0	4.7	120.	15.5
%RSD	.08318	.09761	.28840	.44926

#1	2460.7	4829.9	41634.	3460.2
#2	2462.3	4837.9	41793.	3463.4
#3	2464.8	4829.5	41557.	3435.0

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Sample Name: FA33351-1 Acquired: 4/25/2016 12:25:43 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)
Avg	-0.0009	93.34	.0129	1.497	.0041	35.70	.0000	.0013
Stddev	.0001	.17	.0002	.001	.0000	.15	.0000	.0000
%RSD	6.265	.1770	1.762	.0692	.8939	4.320	64.86	2.852

#1	-0.0009	93.30	.0129	1.498	.0040	35.66	.0001	.0013
#2	-0.0008	93.53	.0127	1.497	.0041	35.87	.0000	.0013
#3	-0.0009	93.21	.0131	1.496	.0040	35.57	.0000	.0013

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.1211	.0082	4.591	1.091	1.546	.0147	.0024	.2464
Stddev	.0006	.0001	.009	.018	.010	.0001	.0000	.0010
%RSD	.5118	1.640	.1956	1.685	.6664	.3656	.4297	.4151

#1	.1212	.0081	4.599	1.070	1.545	.0146	.0024	.2460
#2	.1217	.0081	4.592	1.102	1.536	.0147	.0024	.2457
#3	.1205	.0083	4.581	1.102	1.557	.0147	.0024	.2476

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.0114	.1711	-0.0033	.0023	1.020	.0070	F 6.535	.2829
Stddev	.0001	.0009	.0002	.0006	.000	.0001	.037	.0008
%RSD	1.044	5.382	7.147	25.34	.0097	1.504	.5728	.2657

#1	.0115	.1700	-0.0030	.0028	1.020	.0069	6.568	.2822
#2	.0115	.1718	-0.0033	.0017	1.020	.0071	6.495	.2828
#3	.0113	.1714	-0.0035	.0026	1.020	.0070	6.544	.2837

Elem	Tl1908	V_2924	Zn2062
IS Ref	(In2306)	(Y_3600)	(Y_2243)
Avg	F -0.128	.0564	.0228
Stddev	.0017	.0002	.0000
%RSD	13.17	.3468	.2065

#1	-0.135	.0561	.0228
#2	-0.109	.0565	.0228
#3	-0.141	.0564	.0229

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Sample Name: FA33351-1 Acquired: 4/25/2016 12:25:43 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2345.1	12425.	107360.	8833.2
Stddev	3.6	29.	326.	35.0
%RSD	.15371	.23304	.30360	.39580
#1	2348.1	12401.	107660.	8820.4
#2	2341.1	12457.	107020.	8806.4
#3	2346.2	12417.	107400.	8872.8

Sample Name: MP30270-D1 Acquired: 4/25/2016 12:30:12 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.009	93.17	.0124	1.495	.0042	28.03	.0000	.0012
Stddev	.0001	.11	.0001	.001	.0000	.06	.0000	.0001
%RSD	12.77	.1215	1.104	.0929	1.011	.2115	17.76	4.622
#1	-.0008	93.06	.0125	1.495	.0042	27.98	.0000	.0012
#2	-.0008	93.29	.0124	1.494	.0043	28.09	.0000	.0011
#3	-.0010	93.16	.0122	1.496	.0042	28.02	.0001	.0012
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.1195	.0057	4.443	1.092	1.470	.0120	.0021	2.563
Stddev	.0008	.0001	.015	.013	.002	.0000	.0000	.0029
%RSD	.6614	2.459	.3409	1.185	.1382	.3076	1.735	1.137
#1	.1203	.0056	4.432	1.105	1.470	.0121	.0021	2.530
#2	.1187	.0058	4.460	1.079	1.468	.0120	.0021	2.576
#3	.1194	.0058	4.437	1.091	1.472	.0120	.0020	2.584
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.0111	1.656	-0.0036	.0011	.9443	.0067	6.595	2.798
Stddev	.0000	.0017	.0004	.0010	.0002	.0006	.045	.0006
%RSD	.0919	1.032	12.11	90.34	.0208	8.997	6.827	2.312
#1	.0111	.1675	-.0034	.0017	.9445	.0061	6.639	2.804
#2	.0111	.1643	-.0033	.0017	.9441	.0070	6.596	2.797
#3	.0111	.1648	-.0041	.0000	.9444	.0072	6.549	2.791
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	F-.0129	.0551	.0167					
Stddev	.0007	.0003	.0001					
%RSD	5.386	.6209	.3429					
#1	-.0122	.0555	.0167					
#2	-.0136	.0549	.0168					
#3	-.0128	.0549	.0167					

7.3
7

Sample Name: MP30270-D1 Acquired: 4/25/2016 12:30:12 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2356.6	12604.	108770.	8822.8
Stddev	7.5	19.	149.	41.7
%RSD	.31648	.15374	.13721	.47289
#1	2355.0	12616.	108660.	8834.0
#2	2364.7	12615.	108720.	8776.6
#3	2350.0	12582.	108940.	8857.8

Sample Name: MP30270-SD1 Acquired: 4/25/2016 12:34:41 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.016	197.5	.0261	3.115	.0076	76.18	-0.0006	.0020	2.600
Stddev	.0005	.7	.0032	.018	.0001	.34	.0004	.0002	.0007
%RSD	28.71	.3351	12.41	5.791	1.920	.4485	75.74	11.56	.2646
#1	-.0012	197.3	.0281	3.105	.0075	76.24	-.0009	.0020	.2606
#2	-.0015	196.9	.0224	3.103	.0075	75.81	-.0001	.0023	.2602
#3	-.0021	198.2	.0279	3.135	.0077	76.48	-.0006	.0018	.2593
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0175	9.794	2.299	3.269	.0312	.0018	.7980	.0246	1.690
Stddev	.0006	.012	.082	.086	.0002	.0002	.0351	.0001	.0028
%RSD	3.608	.1213	3.575	2.646	.7845	12.07	4.398	.5414	1.655
#1	.0171	9.782	2.206	3.328	.0314	.0016	.7707	.0244	1.715
#2	.0183	9.794	2.333	3.309	.0309	.0018	.8376	.0246	1.660
#3	.0172	9.805	2.360	3.170	.0312	.0020	.7857	.0247	1.695
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0090	-0.0017	2.238	.0139	14.45	.6121	-0.189	1.189	0.868
Stddev	.0015	.0034	.005	.0011	.06	.0011	.0056	.0006	.0003
%RSD	16.69	203.3	.2288	7.687	.4365	.1864	29.49	.4656	.2972
#1	-.0073	-.0055	2.244	.0143	14.42	.6133	-.0200	1.189	0.868
#2	-.0101	-.0006	2.235	.0126	14.40	.6119	-.0128	1.195	0.870
#3	-.0096	.0010	2.235	.0146	14.52	.6111	-.0238	1.184	0.865
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2586.3	6697.4	58028.	4669.3					
Stddev	6.1	5.8	173.	3.1					
%RSD	.23511	.08728	.29881	.06652					
#1	2589.1	6695.8	57901.	4669.3					
#2	2590.5	6703.8	58226.	4672.3					
#3	2579.3	6692.4	57958.	4666.1					

Sample Name: MP30270-PS1 Acquired: 4/25/2016 12:39:06 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.179	94.03	0.531	1.591	0.245	37.50	0.200	0.209	1.405
Stddev	.0001	.13	.0005	.002	.0001	.11	.0000	.0000	.0005
%RSD	.2919	.1423	.8693	.1166	.5423	.2994	.2054	.1392	.3771
#1	.0179	94.02	.0536	1.589	.0247	37.42	.0200	.0210	.1410
#2	.0179	93.90	.0530	1.591	.0244	37.44	.0200	.0209	.1403
#3	.0178	94.17	.0527	1.592	.0245	37.63	.0200	.0209	.1400
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0495	5.800	4.945	3.462	0.353	0.410	4.271	0.510	2.201
Stddev	.0002	.022	.010	.003	.0002	.0002	.017	.0001	.0011
%RSD	.3269	.3802	.2003	.0857	.4798	.4024	.3906	.1322	.5069
#1	.0493	5.819	4.939	3.459	.0355	.0409	4.286	.0509	.2195
#2	.0495	5.776	4.957	3.461	.0352	.0412	4.253	.0510	.2194
#3	.0496	5.805	4.941	3.465	.0351	.0411	4.272	.0510	.2214
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.385	0.410	1.053	0.260	F 6.549	0.847	0.753	1.252	0.201
Stddev	.0011	.0013	.002	.0001	.036	.0009	.0020	.0001	.0005
%RSD	2.835	3.198	.1482	.3714	.5453	.2675	2.327	1.438	.3865
#1	.0397	.0423	1.051	.0261	6.562	.3245	.0861	.0754	.1256
#2	.0383	.0409	1.053	.0260	6.577	.3234	.0825	.0754	.1247
#3	.0375	.0397	1.054	.0260	6.509	.3228	.0856	.0752	.1255
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2314.6	12270.	105810.	8715.7					
Stddev	5.9	20.	497.	13.9					
%RSD	.25302	.16486	.46985	.15905					
#1	2309.4	12249.	105290.	8701.8					
#2	2321.0	12272.	105870.	8729.5					
#3	2313.4	12289.	106280.	8715.7					

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Sample Name: MP30270-S1 Acquired: 4/25/2016 12:43:31 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.164	110.0	0.7258	2.236	0.232	51.75	0.181	1.781	1.953
Stddev	.0001	.2	.0012	.003	.0001	.08	.0000	.0003	.0006
%RSD	.8365	.2011	.1649	.1396	.4192	.1550	.1903	.1532	.3139
#1	.0163	110.1	.7263	2.237	.0232	51.84	.0181	1.781	1.947
#2	.0163	110.2	.7244	2.238	.0233	51.72	.0181	1.779	1.956
#3	.0165	109.8	.7267	2.232	.0231	51.68	.0182	1.784	1.958
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.031	14.74	10.10	10.58	0.2032	1.639	9.489	1.930	6.762
Stddev	.0003	.03	.04	.02	.0004	.0003	.031	.0002	.0018
%RSD	.2759	.1965	.3776	.2243	.1937	.1557	.3271	.1096	.2729
#1	.1034	14.73	10.15	10.61	.2029	1.640	9.520	1.932	6.749
#2	.1029	14.77	10.08	10.56	.2037	1.636	9.489	1.928	6.752
#3	.1029	14.71	10.09	10.58	.2031	1.641	9.458	1.931	6.783
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.544	7.204	1.066	1.746	F 6.702	3.623	1.916	2.295	2.021
Stddev	.0003	.0040	.000	.0003	.027	.0003	.007	.0003	.0005
%RSD	4.696	5.513	.0369	.1798	.4027	.0696	.3684	1.503	2.363
#1	.0542	.7221	1.066	.1749	6.710	3.626	1.918	2.293	2.024
#2	.0547	.7159	1.065	.1743	6.672	3.622	1.909	2.293	2.015
#3	.0544	.7233	1.066	.1747	6.725	3.622	1.922	2.299	2.023
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2241.6	12852.	110090.	9137.3					
Stddev	4.7	14.	510.	12.2					
%RSD	.20967	.11087	.46318	.13357					
#1	2242.7	12840.	110570.	9137.2					
#2	2245.7	12868.	109560.	9125.1					
#3	2236.5	12849.	110150.	9149.5					

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7.3
7

Sample Name: MP30270-S2 Acquired: 4/25/2016 12:47:52 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.176	110.0	0.7744	2.286	0.246	44.34	0.195	1.911	2.032
Stddev	.0002	.2	.0025	.003	.0001	.09	.0000	.0001	.0006
%RSD	1.074	.1612	.3172	.1394	.2452	.1998	.1129	.0785	.3102
#1	.0178	109.9	.7770	2.284	.0246	44.39	.0195	1.912	2.038
#2	.0177	110.2	.7740	2.290	.0247	44.39	.0195	1.911	2.025
#3	.0174	109.9	.7721	2.284	.0245	44.24	.0195	1.909	2.032
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.082	15.27	10.71	11.26	2.146	1.762	10.08	2.066	6.763
Stddev	.0002	.03	.01	.02	.0007	.0004	.04	.0002	.0018
%RSD	.2027	.2066	.0969	.1477	.3031	.2318	.3865	.0741	.2694
#1	.1079	15.27	10.71	11.28	.2151	1.766	10.04	2.067	6.747
#2	.1083	15.30	10.72	11.26	.2139	1.759	10.12	2.066	6.783
#3	.1083	15.24	10.70	11.25	.2148	1.760	10.09	2.064	6.758
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.601	0.7688	1.085	1.879	F 6.654	3.773	1.946	2.418	2.110
Stddev	.0006	.0026	.002	.0006	.091	.0009	.003	.0010	.0005
%RSD	.9665	.3360	.1810	.3296	1.367	.2505	.1666	.3983	.2254
#1	.0598	.7704	1.087	1.886	6.758	3.781	1.948	2.428	2.112
#2	.0597	.7658	1.085	1.876	6.614	3.763	1.948	2.409	2.105
#3	.0608	.7701	1.084	1.874	6.589	3.775	1.942	2.417	2.114
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2268.4	12243.	104790.	8615.5					
Stddev	2.5	13.	34.	36.4					
%RSD	.11155	.10239	.03239	.42300					
#1	2269.6	12233.	104820.	8584.5					
#2	2265.4	12240.	104800.	8606.3					
#3	2270.0	12257.	104760.	8655.6					

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Sample Name: FA33349-5 Acquired: 4/25/2016 12:52:13 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	105.9	0.0099	6.785	0.024	18.75	-0.001	0.029	1.646
Stddev	.0002	2.8	.0002	0.151	.0001	.49	.0000	.0001	.0003
%RSD	53.78	2.651	2.347	2.222	4.327	2.593	28.36	4.419	1.912
#1	-0.005	104.0	.0101	6.681	.0023	18.41	-0.001	.0030	1.645
#2	-0.002	109.1	.0099	6.958	.0025	19.30	-0.002	.0029	1.649
#3	-0.007	104.6	.0097	6.716	.0024	18.53	-0.001	.0028	1.643
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.048	6.154	9.285	2.172	0.166	0.041	4.713	0.301	0.709
Stddev	.0001								

Sample Name: CCV Acquired: 4/25/2016 12:56:41 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2525	39.84	2.070	1.974	2.025	40.08	2.088	2.067	2.052
Stddev	.0008	.04	.008	.002	.002	.09	.006	.005	.009
%RSD	.3039	.1129	.3760	.0864	.1070	.2187	.3079	.2285	.4637
#1	.2516	39.86	2.066	1.974	2.027	40.08	2.089	2.067	2.052
#2	.2531	39.86	2.066	1.976	2.026	39.99	2.081	2.062	2.043
#3	.2527	39.78	2.079	1.972	2.023	40.16	2.093	2.072	2.062

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.011	39.65	39.37	39.77	2.086	2.045	40.24	2.102	2.049
Stddev	.002	.05	.02	.15	.011	.005	.10	.005	.002
%RSD	.1200	.1176	.0442	.3797	.5213	.2562	.2398	.2558	.0835
#1	2.009	39.62	39.35	39.77	2.091	2.045	40.31	2.101	2.047
#2	2.014	39.70	39.38	39.63	2.074	2.039	40.28	2.097	2.049
#3	2.011	39.63	39.38	39.93	2.094	2.050	40.13	2.107	2.050

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.078	2.078	1.489	2.071	1.944	2.077	2.082	2.068	2.047
Stddev	.003	.005	.005	.006	.002	.004	.006	.007	.009
%RSD	.1524	.2537	.3466	.2702	.0907	.1998	.3049	.3172	.4160
#1	2.074	2.081	1.486	2.070	1.942	2.079	2.089	2.066	2.052
#2	2.080	2.072	1.487	2.066	1.944	2.072	2.077	2.063	2.038
#3	2.079	2.080	1.495	2.077	1.945	2.080	2.081	2.076	2.053

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/25/2016 12:56:41 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2337.3	4740.1	40885.	3402.6
Stddev	3.2	11.9	165.	19.9
%RSD	.13784	.25030	.40317	.58593
#1	2337.5	4744.0	40973.	3414.6
#2	2340.5	4749.6	40988.	3413.6
#3	2334.0	4726.8	40695.	3379.6

Sample Name: CCB Acquired: 4/25/2016 13:00:51 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	.0056	.0000	.0001	-0.0001	.0013	-0.0001	-0.0003	-0.0001
Stddev	.0001	.0039	.000	.0002	.0000	.0005	.0000	.0000	.0002
%RSD	57.93	70.16	155.3	199.2	43.40	39.25	53.22	5.612	162.2
#1	.0000	.0086	-.0001	.0003	-.0001	.0019	-.0001	-.0003	-.0002
#2	-.0002	.0012	-.0002	-.0001	-.0001	.0009	.0000	-.0003	.0001
#3	-.0002	.0071	-.0002	.0002	-.0001	.0012	-.0001	-.0002	-.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	.0034	-0.0217	-0.0075	-0.0001	.0005	.0144	-0.0001	.0004
Stddev	.0002	.0008	.0091	.0113	.0000	.0003	.0069	.0001	.0003
%RSD	239.5	21.98	41.66	150.8	23.49	69.71	47.65	48.52	89.95
#1	.0001	.0042	-.0160	.0043	-.0001	.0008	.0223	-.0001	.0001
#2	.0000	.0034	-.0171	-.0184	-.0001	.0004	.0094	-.0002	.0007
#3	-.0003	.0027	-.0322	-.0084	-.0002	.0002	.0116	-.0001	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	-0.0002	.0020	-0.0004	.0001	.0000	-0.0005	-0.0002	-0.0002
Stddev	.0007	.0013	.0000	.0002	.0000	.0001	.0016	.0002	.0000
%RSD	391.4	600.3	1.094	56.81	24.91	199.3	306.5	90.32	18.97
#1	.0002	.0013	.0020	-.0005	.0002	.0001	-.0022	.0000	-.0002
#2	-.0009	-.0010	.0020	-.0001	.0002	.0000	.0008	-.0001	-.0003
#3	.0003	-.0009	.0020	-.0005	.0001	.0001	-.0001	-.0004	-.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/25/2016 13:00:51 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2747.5	4978.1	43260.	3490.2
Stddev	7.7	5.3	172.	24.4
%RSD	.28193	.10735	.39872	.69932
#1	2743.6	4973.1	43357.	3515.3
#2	2756.4	4983.7	43362.	3488.7
#3	2742.5	4977.5	43061.	3466.5

Sample Name: FA33363-1 Acquired: 4/25/2016 13:05:25 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.009	136.8	0.270	2.051	0.020	7.243	0.001	0.082	1.644
Stddev	0.001	.5	.0008	.0009	.0000	.041	.0001	.0000	.0005
%RSD	14.64	.3625	2.827	.4553	2.168	.5677	43.72	.3615	.2930
#1	-0.010	137.4	.0276	.2062	.0020	7.278	.001	.0082	.1639
#2	-0.007	136.6	.0262	.2044	.0021	7.253	.001	.0083	.1649
#3	-0.009	136.5	.0272	.2048	.0020	7.198	.002	.0082	.1644
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.009	143.2	1.409	1.604	4.394	0.124	9.388	0.060	1.510
Stddev	0.003	.2	.022	.016	.0014	.0001	.0071	.0001	.0001
%RSD	.3579	.1683	1.535	1.019	.3145	1.005	.7552	.3815	.0922
#1	.0812	143.4	1.411	1.623	4.387	0.123	9.425	0.060	1.510
#2	.0807	143.2	1.430	1.592	4.410	0.126	9.432	0.059	1.512
#3	.0808	142.9	1.387	1.598	4.386	0.124	9.306	0.061	1.509
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.029	-0.028	1.600	0.192	0.021	6.363	-0.073	4.252	0.632
Stddev	0.011	0.020	.003	.0006	.0002	.0011	.0006	.0010	.0001
%RSD	38.89	71.24	.1972	2.868	.8418	1.771	8.314	.2313	.2090
#1	-0.018	-0.005	1.598	.0186	.0214	6.363	-.0073	4.244	0.630
#2	-0.041	-0.040	1.599	.0195	.0210	6.374	-.0067	4.263	0.633
#3	-0.029	-0.039	1.604	.0196	.0211	6.352	-.0079	4.249	0.632
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2510.8	6901.2	58383.	4739.1					
Stddev	4.2	6.1	172.	15.1					
%RSD	.16777	.08861	.29505	.31832					
#1	2508.6	6896.3	58468.	4727.9					
#2	2508.1	6899.1	58184.	4733.3					
#3	2515.6	6908.0	58496.	4756.3					

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Sample Name: FA33363-2 Acquired: 4/25/2016 13:09:46 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.007	246.6	0.257	2.777	0.016	5.111	-0.006	0.174	0.3731
Stddev	0.001	.9	.0012	.0011	.0000	.026	.0001	.0001	.0006
%RSD	15.85	.3842	4.672	.3785	2.750	.5096	22.47	.4995	.1584
#1	-0.006	245.9	.0262	2.778	.0016	5.102	-.0005	0.175	0.3730
#2	-0.009	247.7	.0265	2.786	.0015	5.141	-.0007	0.173	0.3726
#3	-0.007	246.2	.0243	2.766	.0015	5.091	-.0005	0.175	0.3738
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.283	156.3	2.131	2.509	4.501	0.076	2.436	1.287	1.081
Stddev	0.009	.7	.011	.029	.0006	.0001	.0128	.0005	.0006
%RSD	.7317	.4635	.5343	1.176	.1403	1.898	5.263	.3509	.5504
#1	1.273	155.8	2.142	2.489	.4499	0.076	2.577	1.282	1.075
#2	1.291	157.2	2.133	2.543	.4495	0.077	2.327	1.290	1.082
#3	1.284	156.1	2.120	2.495	.4507	0.074	2.403	1.290	1.086
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.020	-0.037	2.085	0.021	0.023	9.469	-0.036	4.550	0.939
Stddev	0.011	0.021	.003	.0004	.0002	.0021	.0011	.0006	.0004
%RSD	52.98	57.46	.1448	1.915	.8098	2.217	31.49	1.326	.4713
#1	-0.009	-0.061	2.084	.0227	.0231	9.446	-.0032	4.557	0.935
#2	-0.030	-0.029	2.083	.0236	.0233	9.473	-.0027	4.548	0.944
#3	-0.023	-0.021	2.088	.0230	.0235	9.488	-.0048	4.546	0.938
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2493.4	5419.5	45073.	3664.2					
Stddev	7.5	1.1	121.	26.5					
%RSD	.29953	.01937	.26887	.72314					
#1	2501.9	5420.5	45202.	3676.9					
#2	2489.9	5418.4	45056.	3633.7					
#3	2488.2	5419.5	44961.	3681.8					

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7.3
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Sample Name: FA33363-3 Acquired: 4/25/2016 13:14:04 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	279.4	0.338	4.240	0.020	9.421	0.023	0.156	2.448
Stddev	0.001	2.2	.0007	.0035	.0001	.093	.0002	.0002	.0014
%RSD	81.00	.7991	2.075	.8206	3.155	9.899	10.69	1.205	.5912
#1	-0.002	279.5	.0341	4.244	.0020	9.411	.0024	.0154	2.443
#2	.0000	281.5	.0342	4.274	.0020	9.518	.0020	.0157	2.464
#3	-0.003	277.1	.0330	4.204	.0021	9.333	.0025	.0157	2.437
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.033	203.6	2.727	2.880	8.831	0.080	6.737	0.072	1.764
Stddev	0.004	2.0	.063	.048	.0022	.0001	.0087	.0003	.0009
%RSD	.4317	.9801	2.321	1.663	2.484	1.446	1.293	.4251	.5013
#1	.0929	203.4	2.699	2.861	.8852	.0081	6.795	.0769	1.766
#2	.0936	205.7	2.800	2.934	.8834	.0080	6.780	.0775	1.754
#3	.0936	201.8	2.683	2.844	.8808	.0079	6.637	.0774	1.771
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.029	-0.056	2.056	0.024	0.020	9.335	-0.039	5.762	1.232
Stddev	0.009	0.027	.004	.0004	.0004	.0007	.0011	.0015	.0003
%RSD	30.66	49.10	.1808	1.655	.9115	.0732	28.35	.2541	.2697
#1	-0.036	-0.034	2.053	.0244	.0421	9.342	-.0047	5.748	1.228
#2	-0.033	-0.087	2.060	.0249	.0423	9.329	-.0027	5.777	1.234
#3	-0.019	-0.048	2.055	.0252	.0415	9.333	-.0044	5.760	1.233
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2474.2	5550.4	45744.	3730.8					
Stddev	1.3	11.5	42.	32.4					
%RSD	.05180	.20632	.09186	.86726					
#1	2475.5	5549.6	45722.	3742.2					
#2	2472.9	5539.3	45717.	3694.3					
#3	2474.2	5562.2	45792.	3756.0					

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Sample Name: FA33363-4 Acquired: 4/25/2016 13:18:22 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.009	148.8	0.205	4.087	0.028	9.412	-0.001	0.107	0.2006
Stddev	0.003	.2	.0009	.0002	.0000	.016	.0000	.0001	.0010
%RSD	35.59	.1292	4.192	.0429	1.031	.1675	39.31	.9276	.4737
#1	-0.008	148.6	.0215	4.087	.0027	9.395	-.0001	0.106	.2017
#2	-0.007	148.9	.0199	4.086	.0028	9.413	-.0001	0.108	.2000
#3	-0.013	148.9	.0201	4.089	.0028	9.427	.0000	0.108	.2001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.058	77.58	1.838	2.513	3.514	0.031	2.970	0.445	1.586
Stddev	0.002	.15	.001	.015	.0015	.0002	.0019	.0001	.0009
%RSD	.4408	.1910	.0382	.5966	.4303	5.277	.6266	.1565	.5758
#1	.0557	77.71	1.838	2.500	.3526	.0030	.2986	.0444	1.575
#2	.0561	77.60	1.839	2.510	.3497	.0031	.2975	.0445	1.591
#3	.0556	77.42	1.837	2.530	.3519	.0033	.2950	.0444	1.591
Elem	Sb2068								

Sample Name: FA33363-5 Acquired: 4/25/2016 13:22:42 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	244.4	.0301	.4911	.0030	7.215	.0017	.0242	.2304
Stddev	.0002	.6	.0007	.0007	.0001	.021	.0001	.0001	.0004
%RSD	44.31	.2651	2.303	.1419	2.219	.2846	5.234	.3950	.1942
#1	-.0004	245.2	.0303	.4919	.0029	7.236	.0017	.0241	.2304
#2	-.0008	244.1	.0307	.4909	.0030	7.212	.0016	.0242	.2308
#3	-.0004	244.0	.0293	.4906	.0030	7.196	.0018	.0243	.2299
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0907	178.2	3.047	3.979	.6383	.0078	.7329	.0926	.1919
Stddev	.0002	.5	.004	.009	.0019	.0002	.0037	.0004	.0015
%RSD	.2330	.2741	.1453	.2327	.2978	2.004	.5008	.4053	.7831
#1	.0908	178.7	3.044	3.989	.6399	.0079	.7342	.0927	.1901
#2	.0905	177.7	3.045	3.977	.6389	.0077	.7287	.0922	.1925
#3	.0909	178.1	3.052	3.971	.6362	.0079	.7357	.0930	.1929
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.011	-0.038	1.963	.0233	.0451	.8481	-0.046	.4895	-0.193
Stddev	.0002	.0004	.004	.0004	.0001	.0018	.0023	.0016	.0001
%RSD	17.49	11.06	.2190	1.883	1.487	.2137	50.46	.3318	.0819
#1	-.0012	-.0042	1.962	.0228	.0452	.8502	-.0073	.4913	-.1192
#2	-.0009	-.0034	1.959	.0235	.0452	.8470	-.0036	.4890	-.1194
#3	-.0013	-.0036	1.968	.0236	.0451	.8471	-.0029	.4882	-.1194
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2477.8	6134.9	51081.	4175.6					
Stddev	2.9	12.9	114.	6.9					
%RSD	.11773	.21067	.22405	.16639					
#1	2480.8	6142.6	51193.	4170.6					
#2	2475.0	6142.1	50964.	4183.6					
#3	2477.7	6120.0	51085.	4172.8					

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Sample Name: FA33363-6 Acquired: 4/25/2016 13:27:00 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	159.5	.0247	.3268	.0018	3.083	.0000	.0108	.2263
Stddev	.0001	.1	.0004	.0016	.0000	.011	.000	.0000	.0004
%RSD	21.03	.0752	1.734	.4852	1.277	.3423	669.0	.3840	.1735
#1	-.0004	159.6	.0246	.3275	.0017	3.090	-.0002	.0107	.2265
#2	-.0005	159.6	.0244	.3250	.0018	3.088	.0000	.0108	.2265
#3	-.0006	159.4	.0252	.3279	.0018	3.071	.0002	.0108	.2258
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0780	130.1	1.712	2.136	.5749	.0056	.2684	.0660	.1442
Stddev	.0004	.3	.014	.036	.0010	.0001	.0111	.0003	.0004
%RSD	.4524	.2188	.8094	1.666	.1678	2.080	4.138	.4889	.2744
#1	.0784	130.2	1.707	2.157	.5758	.0055	.2589	.0659	.1444
#2	.0779	130.3	1.727	2.156	.5739	.0055	.2806	.0658	.1437
#3	.0777	129.8	1.701	2.095	.5749	.0057	.2657	.0664	.1444
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.025	-0.029	1.550	.0204	.0226	.6875	-0.039	.3672	.0864
Stddev	.0004	.0018	.005	.0005	.0001	.0012	.0010	.0006	.0007
%RSD	16.64	63.86	.3352	2.602	.5691	.1810	25.36	.1586	.8435
#1	-.0021	-.0050	1.545	.0209	.0226	.6881	-.0048	.3676	.0867
#2	-.0024	-.0019	1.550	.0204	.0224	.6860	-.0039	.3666	.0856
#3	-.0029	-.0017	1.556	.0198	.0227	.6883	-.0029	.3676	.0870
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2526.3	5899.9	49474.	3998.8					
Stddev	1.0	16.0	113.	38.4					
%RSD	.04116	.27147	.22754	.95994					
#1	2527.0	5911.8	49445.	3977.0					
#2	2526.8	5906.1	49598.	3976.2					
#3	2525.1	5881.7	49379.	4043.1					

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7.3
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Sample Name: FA33363-7 Acquired: 4/25/2016 13:31:20 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	146.8	.0252	.4665	.0022	7.837	.0007	.0130	.1693
Stddev	.0001	.4	.0021	.0008	.0000	.028	.0001	.0001	.0002
%RSD	26.68	.2931	8.307	.1796	.5352	.3606	10.88	.7955	.1186
#1	-.0005	147.3	.0246	.4666	.0022	7.866	.0007	.0131	.1691
#2	-.0007	146.6	.0234	.4656	.0022	7.809	.0008	.0129	.1695
#3	-.0004	146.5	.0275	.4672	.0022	7.836	.0006	.0129	.1694
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0702	109.6	2.145	2.381	1.003	.0049	.4483	.0526	.1727
Stddev	.0003	.3	.020	.030	.002	.0001	.0034	.0002	.0009
%RSD	.3878	.2912	.9426	1.258	.2086	2.210	.7606	.2971	.5305
#1	.0700	109.9	2.166	2.415	1.001	.0050	.4522	.0526	.1728
#2	.0705	109.3	2.126	2.363	1.004	.0050	.4460	.0528	.1717
#3	.0701	109.6	2.143	2.364	1.004	.0048	.4466	.0525	.1735
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.015	-0.035	1.616	.0222	.0367	.6728	-0.0055	.3683	.1055
Stddev	.0004	.0012	.004	.0003	.0002	.0006	.0008	.0001	.0003
%RSD	24.08	34.55	.2623	1.561	.6499	.0899	14.66	.0361	.2889
#1	-.0011	-.0048	1.612	.0224	.0370	.6722	-.0053	.3682	.1057
#2	-.0018	-.0033	1.620	.0218	.0366	.6734	-.0048	.3684	.1052
#3	-.0016	-.0024	1.615	.0224	.0366	.6729	-.0064	.3682	.1057
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2518.0	6301.5	53181.	4278.7					
Stddev	4.6	11.9	56.	10.0					
%RSD	.18273	.18885	.10623	.23369					
#1	2518.5	6304.0	53153.	4280.7					
#2	2522.3	6288.6	53144.	4287.5					
#3	2513.2	6312.0	53246.	4267.8					

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Sample Name: FA33363-8 Acquired: 4/25/2016 13:35:40 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	170.6	.0261	.4963	.0021	7.293	.0003	.0138	.1807
Stddev	.0000	1.2	.0004	.0036	.0001	.056	.0001	.0001	.0013
%RSD	7.822	.7110	1.521	.7223	3.614	.7709	39.06	.3734	.7369
#1	-.0006	170.8	.0265	.4971	.0021	7.279	.0003	.0137	.1797
#2	-.0006	171.7	.0257	.4995	.0022	7.355	.0002	.0138	.1822
#3	-.0005	169.3	.0261	.4924	.0020	7.245	.0003	.0138	.1801
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(

Sample Name: FA33363-9 Acquired: 4/25/2016 13:39:59 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.009	172.7	0.265	0.657	0.020	9.791	-0.001	0.156	0.159
Stddev	0.001	.6	.0008	.0023	.0000	.038	.0001	.0000	.0001
%RSD	10.23	.3625	3.135	.3550	1.176	.3923	139.5	.2598	.0922
#1	-0.008	172.6	0.264	.6597	.0020	9.760	-0.001	.0155	.1520
#2	-0.010	172.1	0.273	.6550	.0020	9.779	.0000	.0155	.1520
#3	-0.009	173.3	0.257	.6572	.0020	9.834	-0.001	.0156	.1518
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0724	74.41	2.747	2.873	0.8809	0.028	4.535	0.0644	0.1977
Stddev	.0002	.29	.021	.032	.0025	.0002	.0044	.0001	.0007
%RSD	.2130	.3959	.7798	1.107	.2819	7.675	.9629	.2075	.3741
#1	.0725	74.23	2.733	2.841	.8791	.0026	4.547	.0644	.1977
#2	.0724	74.24	2.772	2.904	.8838	.0028	4.571	.0646	.1984
#3	.0722	74.75	2.737	2.874	.8800	.0031	4.486	.0643	.1970
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0031	-0.0016	1.743	0.0175	0.0449	6.160	-0.0095	0.2974	0.1084
Stddev	.0004	.0016	.001	.0002	.0002	.0013	.0009	.0003	.0004
%RSD	11.64	101.1	.0344	.9133	.4058	2.088	9.449	.1105	.3627
#1	-0.0033	.0000	1.742	.0176	.0449	6.148	-0.092	.2973	.1081
#2	-0.0032	-0.0016	1.743	.0173	.0447	6.174	-0.088	.2978	.1083
#3	-0.0026	-0.0031	1.744	.0175	.0451	6.159	-0.105	.2972	.1088
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2479.9	7069.1	59839.	4821.8					
Stddev	4.2	8.4	87.	38.3					
%RSD	.16996	.11880	.14550	.79461					
#1	2477.1	7060.4	59927.	4843.3					
#2	2484.8	7077.1	59753.	4844.5					
#3	2477.9	7070.0	59838.	4777.5					

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Sample Name: FA33363-10 Acquired: 4/25/2016 13:44:19 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	180.5	0.230	0.5224	0.0031	26.72	-0.001	0.137	0.2042
Stddev	0.0005	.6	.0005	.0026	.0000	.02	.0001	.0000	.0003
%RSD	117.2	.3314	2.387	.4997	1.055	.0815	142.1	.2833	.1656
#1	-0.001	180.0	0.227	.5207	.0032	26.72	-0.001	.0137	.2043
#2	-0.009	181.1	0.227	.5254	.0031	26.70	-0.002	.0137	.2045
#3	-0.002	180.3	0.237	.5210	.0031	26.74	.0000	.0137	.2038
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0854	133.6	3.566	6.342	1.344	0.061	6.188	0.0579	0.1533
Stddev	.0006	.2	.034	.022	.003	.0002	.0066	.0001	.0010
%RSD	.6815	.1643	.9564	.3418	.2376	3.492	1.055	.2079	.6819
#1	.0852	133.4	3.595	6.364	1.342	0.063	6.188	0.0579	.1523
#2	.0849	133.8	3.528	6.321	1.347	0.061	6.319	0.0576	.1531
#3	.0860	133.5	3.575	6.340	1.341	.0058	6.239	0.0577	.1544
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0017	-0.0047	2.006	0.0215	0.0984	1.014	-0.0035	0.3974	0.1096
Stddev	.0012	.0016	.003	.0001	.0001	.001	.0016	.0010	.0002
%RSD	71.34	34.39	.1473	.5555	.1110	.1017	45.23	.2568	.1934
#1	-0.0012	-0.0043	2.008	.0215	.0984	1.013	-0.019	.3984	.1098
#2	-0.0008	-0.0064	2.003	.0214	.0986	1.015	-0.051	.3975	.1095
#3	-0.0030	-0.0033	2.008	.0216	.0983	1.015	-0.035	.3963	.1094
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2451.1	5874.1	49519.	3988.7					
Stddev	2.1	5.7	65.	19.1					
%RSD	.08384	.09698	.13088	.47847					
#1	2453.1	5869.8	49525.	4010.1					
#2	2449.0	5872.0	49452.	3982.8					
#3	2451.1	5880.6	49581.	3973.3					

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7.3
7

Sample Name: CCV Acquired: 4/25/2016 13:48:38 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.569	41.06	2.086	2.029	2.067	41.16	2.107	2.091	2.079
Stddev	.0010	.13	.004	.008	.009	.02	.003	.001	.008
%RSD	.4040	.3162	.1934	.3745	.4315	.0563	.1607	.0556	.3828
#1	.2561	41.01	2.084	2.022	2.061	41.15	2.108	2.091	2.072
#2	.2580	41.21	2.091	2.037	2.077	41.19	2.110	2.092	2.077
#3	.2565	40.96	2.084	2.028	2.062	41.15	2.103	2.090	2.088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.049	40.61	40.57	41.07	2.113	2.068	41.18	2.118	2.069
Stddev	.004	.09	.12	.16	.013	.001	.13	.001	.006
%RSD	.1809	.2168	.2889	.3782	.6300	.0678	.3095	.0471	.3136
#1	2.047	40.58	40.62	41.25	2.100	2.068	41.14	2.119	2.072
#2	2.054	40.71	40.65	40.96	2.110	2.070	41.32	2.118	2.073
#3	2.047	40.54	40.43	41.01	2.127	2.068	41.07	2.117	2.062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.092	2.089	1.500	2.098	2.014	2.102	2.100	2.078	2.082
Stddev	.002	.001	.002	.005	.007	.011	.003	.011	.008
%RSD	.1095	.0690	.1028	.2554	.3480	.5326	.1530	.5393	.3913
#1	2.092	2.091	1.502	2.100	2.008	2.091	2.102	2.068	2.082
#2	2.089	2.088	1.498	2.101	2.021	2.102	2.101	2.075	2.090
#3	2.094	2.089	1.500	2.092	2.011	2.113	2.096	2.090	2.074
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 4/25/2016 13:48:38 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2328.9	4729.4	40473.	3314.7
Stddev	3.2	2.4	126.	4.1
%RSD	.13918	.05065	.31117	.12415
#1	2326.5	4729.0	40580.	3313.5
#2	2327.8	4727.2	40504.	3319.2
#3	2332.6	4732.0	40334.	3311.2

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Sample Name: CCB Acquired: 4/25/2016 13:52:49 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0009	-0.0003	.0000	-0.0001	.0036	-0.0001	-0.0001	-0.0001
Stddev	.000	.0060	.0005	.0001	.0000	.0033	.0000	.0001	.0001
%RSD	412.8	637.6	179.7	250.7	7.442	90.51	23.29	40.13	93.70

#1	-0.002	.0074	-0.0009	.0000	-0.0001	.0071	-0.0001	-0.0001	-0.0003
#2	-0.002	-0.002	.0002	.0000	-0.0001	.0032	-0.0001	-0.0001	-0.0001
#3	.0002	-0.0044	-0.0002	.0001	-0.0001	.0006	-0.0001	-0.0002	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0081	-0.0245	-0.0064	-0.0001	.0005	.0056	-0.0001	.0002
Stddev	.000	.0033	.0202	.0141	.0000	.0003	.0088	.0001	.0002
%RSD	1708.	40.31	82.41	221.3	10.43	57.63	157.1	39.59	111.4

#1	.0001	.0118	-0.267	.0099	-0.0001	.0008	-0.014	-0.0001	.0001
#2	.0000	.0061	-0.0033	-0.0149	-0.0001	.0004	.0027	-0.0001	.0005
#3	-0.0001	.0063	-0.435	-0.0141	-0.0001	.0003	.0155	-0.0002	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	-0.0010	.0021	-0.0005	-0.0002	-0.0002	-0.0006	-0.0001	-0.0003
Stddev	.0006	.0005	.0002	.0004	.0000	.0000	.0010	.0000	.0001
%RSD	233.7	47.33	8.74	81.84	20.95	31.35	170.9	14.67	27.66

#1	-0.0005	-0.0006	.0020	-0.0007	-0.0002	-0.0002	.0006	-0.0001	-0.0002
#2	.0004	-0.0010	.0020	-0.0009	-0.0001	-0.0001	-0.0010	-0.0001	-0.0004
#3	-0.0006	-0.0016	.0023	.0000	-0.0002	-0.0001	-0.0014	-0.0001	-0.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/25/2016 13:52:49 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2751.9	5006.0	43217.	3471.8
Stddev	5.2	12.4	50.	13.5
%RSD	.18871	.24843	.11501	.38888

#1	2756.8	5012.1	43246.	3462.1
#2	2752.4	5014.2	43247.	3466.1
#3	2746.5	4991.7	43160.	3487.2

Sample Name: FA33354-1 Acquired: 4/25/2016 13:57:22 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0010	10.49	.0491	.3442	.0002	F 830.2	.0020	.0014	.0415
Stddev	.0003	.07	.0004	.0036	.0000	7.4	.0001	.0000	.0006
%RSD	27.48	.6777	.9005	1.036	27.54	.8864	2.590	3.023	1.480

#1	.0007	10.48	.0487	.3453	.0002	823.6	.0020	.0014	.0409
#2	.0012	10.57	.0495	.3471	.0001	838.1	.0019	.0014	.0415
#3	.0010	10.43	.0491	.3402	.0002	828.8	.0020	.0013	.0421

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	F 5.114	78.83	.5564	2.467	2.763	.0025	4.687	.0133	.0691
Stddev	.004	.43	.0484	.029	.014	.0001	.040	.0002	.0005
%RSD	.0720	.5462	8.699	1.193	.4911	2.387	.8546	1.514	.7325

#1	5.118	78.79	.5085	2.479	2.754	.0025	4.695	.0134	.0688
#2	5.114	79.28	.6053	2.488	2.756	.0026	4.722	.0135	.0697
#3	5.111	78.42	.5553	2.433	2.779	.0025	4.643	.0131	.0689

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0006	.0108	.9395	.0505	1.895	.0476	.0012	.0242	2.318
Stddev	.0003	.0019	.0018	.0002	.016	.0005	.0011	.0004	.005
%RSD	54.81	18.04	.1921	.4833	.8239	.9639	93.96	1.651	.2377

#1	.0009	.0116	.9415	.0503	1.893	.0472	.0017	.0239	2.312
#2	.0002	.0086	.9380	.0507	1.911	.0481	-0.0001	.0242	2.320
#3	.0006	.0122	.9391	.0506	1.880	.0476	.0020	.0247	2.323

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2147.6	4518.4	38978.	3346.7
Stddev	8.4	15.7	119.	18.0
%RSD	.39042	.34801	.30564	.53742

#1	2138.4	4500.3	39087.	3366.9
#2	2149.6	4528.3	38997.	3332.5
#3	2154.7	4526.7	38851.	3340.7

Sample Name: MP30271-MB1 Acquired: 4/25/2016 14:02:01 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	.0239	-0.0050	-0.0006	F -.0022	F .8862	-0.0016	-0.0016
Stddev	.0012	.0369	.0018	.0009	.0001	2.198	.0001	.0004
%RSD	338.0	154.1	37.03	141.3	4.918	24.80	4.681	26.14

#1	-0.0012	-0.127	-0.0043	.0000	-0.0021	1.112	-0.0016	-0.0021
#2	.0011	.0235	-0.0036	-0.0002	-0.0023	.8732	-0.0016	-0.0012
#3	-0.0010	.0610	-0.0071	-0.0016	-0.0021	.6733	-0.0015	-0.0016

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Fail Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0016	.0003	.1189	-0.0176	-0.1056	.0005	-0.0036	.0613
Stddev	.0005	.0006	.0454	.0752	.0139	.0004	.0005	.0130
%RSD	33.28	233.9	38.18	426.0	13.19	91.28	13.11	21.18

#1	-0.0023	.0010	.1679	-0.1013	-0.1063	.0008	-0.0040	.0701
#2	-0.0014	-0.0003	.1103	.0042	-0.1191	.0005	-0.0031	.0464
#3	-0.0012	.0002	.0784	.0442	-0.0913	.0000	-0.0036	.0675

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0015	F .0031	-0.0017	-0.0030	.0256	F .0482	.0002	-0.0026
Stddev	.0002	.0014	.0018	.0032	.0018	.0019	.0004	.0002
%RSD	12.68	46.57	103.4	108.7	6.937	4.030	200.8	8.017

#1	-0.0013	.0032	-0.0036	-0.0063	.0244	.0468	.0003	-0.0029
#2	-0.0014	.0045	-0.0014	.0001	.0247	.0475	.0005	-0.0024
#3	-0.0017	.0016	-0.0001	-0.0027	.0276	.0504	-0.0003	-0.0026

Check ? Chk Pass Chk Fail Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30271-MB1 Acquired: 4/25/2016 14:02:01 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	F -.0095	-0.015	F .0468
Stddev	.0010	.0016	.0006
%RSD	10.49	107.4	1.330

#1	-0.105	-0.009	.0474
#2	-0.094	-0.033	.0468
#3	-0.085	-0.002	.0462

Check ?	Chk Fail	Chk Pass	Chk Fail
High Limit	.0050		.0100
Low Limit	-0.0050		-0.1000

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2762.9	5053.0	43701.	3432.5
Stddev	4.0	4.9	234.	19.4
%RSD	.14634	.09666	.53623	.56521

#1	2765.2	5048.2	43901.	3415.3
#2	2758.2	5052.9	43757.	3428.8
#3	2765.2	5057.9	43443.	3453.5

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Sample Name: MP30271-B1 Acquired: 4/25/2016 14:06:35 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0477	27.34	2.002	2.041	.0507	26.45	.0522	.5358	.2100
Stddev	.0006	.12	.005	.004	.0004	.16	.0002	.0007	.0008
%RSD	1.351	.4325	.2419	.1888	.7330	.6028	.4177	.1263	.3605

#1	.0482	27.22	2.005	2.037	.0503	26.31	.0521	.5358	.2103
#2	.0479	27.45	1.996	2.040	.0509	26.62	.0521	.5352	.2092
#3	.0469	27.34	2.004	2.045	.0510	26.42	.0525	.5365	.2106

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2652	27.29	25.14	25.52	.5517	.5079	25.45	.5468	.4991
Stddev	.0010	.09	.23	.27	.0009	.0018	.06	.0018	.0031
%RSD	.3791	.3365	.9161	1.061	.1678	.3540	.2256	.3206	.6224

#1	.2655	27.18	24.91	25.30	.5508	.5075	25.51	.5455	.4995
#2	.2660	27.33	25.37	25.82	.5527	.5064	25.44	.5461	.4958
#3	.2640	27.35	25.14	25.44	.5517	.5099	25.39	.5488	.5020

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5052	2.039	.0375	.5896	.4940	.5259	2.048	.4967	.5659
Stddev	.0028	.007	.0004	.0017	.0010	.0061	.011	.0031	.0013
%RSD	.5478	.3556	.9949	.2816	.1994	1.169	.5414	.6153	.2350

#1	.5020	2.034	.0371	.5914	.4929	.5209	2.045	.4997	.5674
#2	.5067	2.047	.0375	.5881	.4943	.5242	2.039	.4936	.5648
#3	.5068	2.035	.0378	.5894	.4948	.5328	2.061	.4968	.5656

Check ?	Chk Pass	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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Sample Name: MP30271-B1 Acquired: 4/25/2016 14:06:35 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2646.5	4988.6	42895.	3397.3
Stddev	2.6	4.1	106.	24.2
%RSD	.09891	.08239	.24823	.71175

#1	2645.3	4984.2	42901.	3423.1
#2	2644.7	4989.2	42998.	3375.1
#3	2649.5	4992.3	42785.	3393.8

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Sample Name: FA32238-13 Acquired: 4/25/2016 14:10:56 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	236.1	.0670	1.151	.0057	40.94	.0003	.0582	.4813
Stddev	.0015	1.5	.0059	.008	.0001	.23	.0003	.0012	.0010
%RSD	.1187	.6306	8.779	.7161	1.370	.5693	86.16	2.138	.2127

#1	-.0008	235.5	.0712	1.151	.0056	40.98	.0006	.0587	.4802
#2	-.0006	235.0	.0695	1.144	.0057	40.69	.0001	.0568	.4815
#3	.0018	237.8	.0602	1.160	.0057	41.15	.0003	.0591	.4822

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1858	207.4	21.92	33.43	3.951	.0030	2.754	.2894	1.172
Stddev	.0011	1.5	.05	.37	.012	.0003	.011	.0021	.006
%RSD	.5739	.7450	.2447	1.096	.2910	11.53	.3891	.7298	.4792

#1	.1852	207.0	21.90	33.70	3.938	.0034	2.743	.2876	1.174
#2	.1852	206.1	21.88	33.02	3.956	.0028	2.764	.2887	1.166
#3	.1871	209.1	21.98	33.58	3.959	.0029	2.755	.2917	1.176

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0001	-0.0025	3.572	.0450	.5589	6.785	-0.0072	.4227	.4034
Stddev	.0016	.0023	.021	.0023	.0038	.018	.0040	.0012	.0021
%RSD	1486.	92.71	.6000	5.108	.6747	.2637	55.00	.2753	.5215

#1	.0019	-0.0009	3.559	.0426	.5586	6.768	-0.0087	.4221	.4010
#2	-0.0005	-0.0014	3.560	.0471	.5553	6.784	-0.0027	.4220	.4044
#3	-0.0011	-0.0051	3.596	.0454	.5628	6.803	-0.0102	.4241	.4048

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2579.0	5067.4	43225.	3469.2
Stddev	2.6	16.2	129.	12.2
%RSD	.09965	.31986	.29854	.35161

#1	2576.6	5066.4	43207.	3475.3
#2	2581.7	5084.1	43363.	3477.2
#3	2578.6	5051.7	43106.	3455.2

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Sample Name: MP30271-D1 Acquired: 4/25/2016 14:15:17 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	221.7	0.622	1.090	0.051	38.42	-0.001	0.547	4.363
Stddev	.0010	1.1	.0041	.004	.0004	.21	.0002	.0008	.0031
%RSD	220.6	.4753	6.638	.3888	8.055	.5520	351.2	1.375	.7210
#1	.0005	220.8	.0576	1.088	.0049	38.42	-.0001	.0556	4.365
#2	-.0015	222.9	.0638	1.095	.0056	38.63	-.0003	.0541	4.331
#3	-.0004	221.5	.0654	1.088	.0049	38.20	.0002	.0546	4.394
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1713	197.8	20.88	31.57	3.698	0.030	2.580	.2714	1.098
Stddev	.0028	.8	.20	.26	.024	.0006	.026	.0009	.003
%RSD	1.608	.4203	.9432	.8143	.6358	18.53	.9904	.3190	.2439
#1	.1714	197.2	20.68	31.46	3.693	.0036	2.598	.2708	1.098
#2	.1741	198.8	21.08	31.87	3.677	.0025	2.591	.2710	1.095
#3	.1686	197.5	20.86	31.39	3.723	.0029	2.551	.2724	1.100
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.031	-0.032	3.051	0.456	5.266	6.329	-0.087	4.025	3.770
Stddev	.0037	.0022	.003	.0009	.0039	.014	.0014	.0023	.0005
%RSD	121.5	69.43	.1063	1.990	.7403	.217	15.97	.5827	.1407
#1	.0012	-.0012	3.051	.0445	.5232	6.326	-.0086	.4049	.3771
#2	-.0049	-.0057	3.054	.0459	.5308	6.317	-.0073	.4002	.3774
#3	-.0055	-.0028	3.047	.0462	.5256	6.344	-.0100	.4026	.3764
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2599.7	5065.7	4341.2	3479.4					
Stddev	9.1	4.1	288.	15.9					
%RSD	.34995	.08055	.66228	.45656					
#1	2599.9	5061.0	4349.2	3491.9					
#2	2609.0	5068.1	4365.2	3461.5					
#3	2599.0	5068.0	4309.4	3484.7					

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Sample Name: MP30271-SD1 Acquired: 4/25/2016 14:19:39 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.2368	1250.	8.750	7.359	.2937	239.9	.2659	.5666	2.768
Stddev	.0043	5.	.0011	.032	.0024	.5	.0023	.0009	.005
%RSD	1.828	.3783	.1202	.4398	.8055	.1896	.8792	.1598	.1723
#1	.2380	1249.	8.755	7.321	.2946	240.4	.2651	.5658	2.770
#2	.2320	1255.	8.738	7.379	.2955	239.8	.2641	.5664	2.772
#3	.2404	1245.	8.757	7.375	.2910	239.6	.2685	.5676	2.763
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.504	1099.	164.7	201.2	20.88	5.252	65.58	2.042	6.355
Stddev	.012	5.	.9	.8	.04	.0024	.44	.010	.019
%RSD	.8269	.4655	.5259	.3955	.2119	.4617	.6672	.4687	.3027
#1	1.492	1097.	165.6	202.0	20.93	5.279	65.11	2.033	6.333
#2	1.505	1105.	164.7	201.3	20.86	5.247	65.97	2.042	6.367
#3	1.517	1096.	163.9	200.4	20.86	5.231	65.66	2.052	6.367
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.5365	.4457	18.94	4.847	3.173	36.04	4.730	2.462	3.400
Stddev	.0096	.0171	.05	.0077	.012	.07	.0182	.006	.007
%RSD	1.782	3.836	.2674	1.584	.3840	.1869	3.849	.2329	.2151
#1	.5255	.4653	18.89	4.791	3.167	36.12	4.521	2.461	3.391
#2	.5430	.4383	18.99	4.935	3.187	36.00	4.856	2.468	3.405
#3	.5409	.4336	18.94	4.816	3.166	36.01	4.812	2.457	3.402
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2579.3	5064.6	4321.1	3463.7					
Stddev	10.4	15.8	207.	7.1					
%RSD	.40186	.31101	.47837	.20575					
#1	2584.0	5079.1	4299.0	3471.6					
#2	2586.4	5066.9	4324.2	3462.0					
#3	2567.4	5047.9	4340.0	3457.7					

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Sample Name: MP30271-PS1 Acquired: 4/25/2016 14:24:00 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	56.87	0.137	2.727	0.000	8.311	-0.010	0.113	1.055
Stddev	.0016	.28	.0009	.0045	.000	.035	.0001	.0006	.0031
%RSD	775.1	.4962	6.487	1.635	536.8	4.224	6.649	4.961	2.936
#1	.0008	56.56	.0147	2.678	.0002	8.334	-.0010	.0120	1.088
#2	-.0021	56.96	.0131	2.737	-.0001	8.329	-.0009	.0109	1.053
#3	.0007	57.10	.0133	2.765	-.0002	8.271	-.0009	.0111	1.026
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0367	43.16	5.766	6.990	8.120	-0.032	1.799	0.643	2.320
Stddev	.0017	.08	.335	.036	.0044	.0006	.127	.0012	.0047
%RSD	4.621	.1901	5.811	.5126	.5409	19.98	7.044	1.876	2.009
#1	.0362	43.25	5.420	7.030	.8084	-.0035	1.682	.0657	2.277
#2	.0385	43.15	5.791	6.962	.8169	-.0037	1.782	.0638	2.312
#3	.0353	43.08	6.089	6.978	.8107	-.0025	1.934	.0635	2.370
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.089	-0.047	19.81	0.080	1.173	1.813	-0.060	0.871	1.161
Stddev	.0046	.0094	.43	.0013	.0007	.037	.0056	.0004	.0009
%RSD	52.09	199.9	2.168	16.70	.5931	2.017	94.14	.4307	.8090
#1	-.0042	-.0080	20.15	.0075	.1165	1.853	-.0096	.0875	1.164
#2	-.0090	-.0121	19.33	.0070	.1177	1.804	.0005	.0869	1.168
#3	-.0135	.0059	19.94	.0095	.1176	1.782	-.0087	.0869	1.150
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2730.9	5114.7	4394.1	3457.8					
Stddev	.7	2.0	132.	18.4					
%RSD	.02487	.03818	.30141	.53348					
#1	2730.3	5113.7	4409.0	3443.0					
#2	2730.8	5117.0	4383.7	3452.0					
#3	2731.6	5113.5	4389.6	3478.5					

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Sample Name: MP30271-S1 Acquired: 4/25/2016 14:28:26 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0468	285.2	2.021	3.201	0.601	66.85	.0528	.5831	6.828
Stddev	.0011	.6	.008	.012	.0005	.02	.0006	.0007	.0020
%RSD	2.400	.2069	.3758	.3610	.7647	.0238	1.188	1.250	2.953
#1	.0457	285.1	2.028	3.202	.6011	66.87	.0521	.5825	6.828
#2	.0479	284.7	2.023	3.189	.6006	66.84	.0532	.5829	6.848
#3	.0467	285.8	2.013	3.212	.6097	66.85	.0532	.5839	6.807
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4492	236.5	46.76	59.21	4.429	.4665	28.39	8.434	1.664
Stddev	.0025	.4	.24	.25	.011	.0015	.13	.0023	.003
%RSD	.5531	.1587	.5061	4.170	.2461	.3213	.4497	.2682	.1492
#1	.4470								

Sample Name: MP30271-S2 Acquired: 4/25/2016 14:32:45 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.078	277.9	2.018	3.160	0.050	65.42	0.025	5.807	6.863
Stddev	.0012	.1	.001	.013	.0007	.25	.0005	.0009	.0014
%RSD	2.425	.0529	.0431	.3984	1.122	.3793	.8864	.1531	.2094
#1	.0491	277.7	2.017	3.151	.0591	65.41	.025	5.816	6.876
#2	.0468	277.9	2.018	3.155	.0597	65.67	.0520	5.799	6.866
#3	.0476	278.0	2.019	3.174	.0583	65.18	.0529	5.804	6.847
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	4.427	230.7	45.79	57.82	4.270	4.581	28.32	8.347	1.794
Stddev	.0027	.9	.07	.56	.013	.0021	.03	.0012	.014
%RSD	.6014	.3827	.1531	.9655	.2955	.4481	.1081	.1427	.8028
#1	.4400	230.2	45.85	57.87	4.283	4.568	28.35	8.357	1.791
#2	.4428	231.8	45.80	58.35	4.258	4.571	28.33	8.351	1.781
#3	.4453	230.2	45.71	57.23	4.269	4.605	28.29	8.334	1.810
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	1.518	1.984	3.624	5.486	1.034	6.779	2.049	9.049	9.196
Stddev	.0014	.011	.008	.0017	.006	.008	.003	.0008	.0017
%RSD	.9305	.5455	.2114	.3045	.5801	.1208	.1378	.0868	.1894
#1	.1534	1.993	3.630	5.471	1.027	6.783	2.047	9.042	9.202
#2	.1510	1.987	3.616	5.483	1.037	6.770	2.053	9.057	9.210
#3	.1510	1.972	3.628	5.504	1.038	6.784	2.049	9.046	9.177
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2528.3	5003.5	4262.5	3450.4					
Stddev	5.2	11.2	223.	3.8					
%RSD	.20550	.22287	.52338	.11093					
#1	2526.8	4998.4	42368.	3454.3					
#2	2534.1	5016.2	42743.	3446.6					
#3	2524.0	4995.7	42765.	3450.1					

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Sample Name: FA32238-17 Acquired: 4/25/2016 14:37:04 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.010	202.9	0.278	1.585	0.037	39.00	-0.003	0.056	0.309
Stddev	.0017	.4	.0041	.004	.0003	.05	.0002	.0010	.0007
%RSD	171.9	.2191	14.66	.2438	9.134	.1231	60.99	1.884	.2083
#1	.0007	202.6	.0325	1.583	.0037	39.01	-.0001	.0496	.3302
#2	-.0026	203.4	.0252	1.589	.0041	39.04	-.0005	.0515	.3315
#3	-.0010	202.6	.0257	1.582	.0034	38.95	-.0003	.0506	.3312
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.055	184.5	17.68	19.07	4.862	0.047	2.247	2.065	1.429
Stddev	.0004	1.0	.24	.09	.013	.0010	.043	.0006	.001
%RSD	.1245	.5332	1.350	.4902	.2659	20.86	1.896	.2958	.0885
#1	.3060	184.0	17.83	19.18	4.858	.0054	2.286	.2065	1.428
#2	.3053	185.7	17.80	19.03	4.876	.0052	2.253	.2071	1.429
#3	.3054	184.0	17.40	19.00	4.851	.0036	2.202	.2059	1.431
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.032	-0.099	3.873	0.439	5.567	6.238	-0.076	4.307	3.152
Stddev	.0018	.0155	.012	.0014	.0008	.013	.0012	.0017	.0009
%RSD	57.51	157.4	.3142	3.214	.1565	.2016	16.34	.3917	.2729
#1	-.0053	-.0226	3.887	.0424	.5373	6.237	-.0074	.4324	.3142
#2	-.0024	-.0075	3.864	.0442	.5372	6.251	-.0065	.4306	.3159
#3	-.0019	-.0145	3.869	.0452	.5358	6.226	-.0090	.4291	.3155
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2612.3	5054.5	4307.2	3457.7					
Stddev	2.7	7.5	226.	10.4					
%RSD	.10235	.14909	.52565	.30077					
#1	2610.9	5047.5	42936.	3466.6					
#2	2615.4	5062.5	42946.	3446.2					
#3	2610.6	5053.6	43333.	3460.2					

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7.3
7

Sample Name: CCV Acquired: 4/25/2016 14:41:25 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2529	40.54	2.048	2.010	2.036	40.86	2.067	2.059	2.055
Stddev	.0005	.41	.004	.020	.016	.39	.002	.001	.001
%RSD	.1782	1.016	.2011	1.005	.7623	.9608	.0895	.0537	.0383
#1	.2524	40.79	2.051	2.026	2.047	41.08	2.068	2.060	2.056
#2	.2533	40.06	2.044	1.987	2.018	40.40	2.065	2.058	2.054
#3	.2529	40.76	2.050	2.017	2.042	41.09	2.068	2.059	2.055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.033	40.03	40.25	40.73	2.088	2.040	40.50	2.079	2.031
Stddev	.008	.39	.40	.25	.003	.001	.38	.003	.002
%RSD	.3818	.9776	.9972	.6015	.1491	.0348	.9309	.1266	.1088
#1	2.024	40.25	40.54	40.78	2.085	2.041	40.80	2.082	2.033
#2	2.036	39.58	39.80	40.46	2.091	2.039	40.08	2.077	2.029
#3	2.039	40.26	40.42	40.94	2.089	2.039	40.63	2.078	2.031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.062	2.070	1.481	2.068	1.995	2.072	2.060	2.043	2.048
Stddev	.001	.007	.004	.002	.017	.002	.005	.001	.001
%RSD	.0388	.3445	.2421	.0940	.8521	.1084	.2628	.0545	.0424
#1	2.062	2.077	1.477	2.070	2.006	2.070	2.056	2.042	2.049
#2	2.061	2.063	1.481	2.068	1.975	2.073	2.058	2.043	2.049
#3	2.062	2.069	1.484	2.066	2.004	2.074	2.066	2.045	2.048
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 4/25/2016 14:41:25 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2335.5	4749.0	4066.5	3314.4
Stddev	1.6	5.7	55.	44.4
%RSD	.06826	.12042	.13629	1.3385
#1	2336.8	4753.3	40689.	3298.2
#2	2336.0	4751.3	40704.	3364.6
#3	2333.7	4742.5	40601.	3280.4

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Sample Name: CCB Acquired: 4/25/2016 14:45:37 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include Units, Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Units, Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Units, Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: CCB Acquired: 4/25/2016 14:45:37 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Cts/S, Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Units, Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Units, Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: FA32238-20 Acquired: 4/25/2016 14:50:11 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 4 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Sample Name: FA32238-23 Acquired: 4/25/2016 14:54:33 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 4 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Sample Name: FA32238-26 Acquired: 4/25/2016 14:58:55 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	330.0	0.684	1.682	0.077	61.54	0.005	0.655	5.627
Stddev	.0015	2.1	.0020	.011	.0002	.33	.0005	.0005	.0022
%RSD	325.3	.6477	2.931	.6357	2.042	.5425	91.40	.7070	.3995
#1	.0003	331.2	.0702	1.683	.0076	61.61	.0000	.0660	.5602
#2	-.0022	331.3	.0687	1.693	.0079	61.83	.0008	.0651	.5635
#3	.0005	327.5	.0662	1.672	.0076	61.18	.0007	.0655	.5645
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.140	235.5	22.43	46.30	5.152	0.020	3.204	4.082	3.085
Stddev	.0012	1.3	.25	.26	.018	.0005	.021	.0014	.0023
%RSD	.8882	.5383	1.126	.5682	.3525	26.48	.6455	.3427	.7303
#1	.1343	236.2	22.26	46.47	5.131	.0022	3.191	.4089	.3059
#2	.1327	236.2	22.72	46.45	5.166	.0014	3.192	.4091	.3096
#3	.1351	234.0	22.32	46.00	5.159	.0024	3.228	.4066	.3100
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.022	-0.051	3.034	0.383	0.767	7.546	-0.115	4.404	4.447
Stddev	.0046	.0028	.005	.0020	.0046	.035	.0033	.0005	.0012
%RSD	205.4	54.33	.1798	5.139	.5972	4.580	29.00	1.092	2.673
#1	.0026	-.0074	3.040	.0397	.7708	7.510	-.0096	.4408	.4466
#2	-.0066	-.0059	3.033	.0391	.7698	7.578	-.0096	.4398	.4462
#3	-.0027	-.0020	3.030	.0360	.7624	7.549	-.0154	.4405	.4443
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2577.0	5063.7	4295.7	3428.5					
Stddev	.8	7.9	245.	31.8					
%RSD	.03034	.15537	.57132	.92742					
#1	2576.2	5055.3	43018.	3419.5					
#2	2576.9	5070.9	42687.	3402.2					
#3	2577.8	5064.9	43166.	3463.9					

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Sample Name: FA32238-29 Acquired: 4/25/2016 15:03:15 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.007	331.4	0.391	3.058	0.080	68.42	0.005	0.674	4.981
Stddev	.0017	1.1	.0012	.013	.0002	.42	.0004	.0011	.0023
%RSD	229.7	.3258	2.948	.4156	2.896	.6199	81.09	1.451	.4690
#1	.0002	330.2	.0378	3.044	.0079	67.93	.0002	.0769	.4955
#2	-.0026	332.2	.0393	3.060	.0078	68.60	.0010	.0772	.4985
#3	.0003	331.8	.0401	3.069	.0082	68.72	.0003	.0751	.5001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.171	280.2	19.35	30.85	8.629	0.058	4.459	3.623	3.248
Stddev	.0013	1.3	.07	.12	.021	.0008	.028	.0045	.0076
%RSD	.9159	.4675	.3575	.3828	.2465	13.71	.6230	1.255	2.331
#1	.1384	278.7	19.33	30.73	8.616	.0060	4.428	.3643	.3280
#2	.1368	280.8	19.29	30.86	8.618	.0064	4.471	.3656	.3301
#3	.1359	281.0	19.42	30.97	8.654	.0049	4.480	.3571	.3161
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.055	-0.048	3.833	0.411	.9873	8.191	-0.021	6.256	2.997
Stddev	.0026	.0084	.037	.0018	.0040	.009	.0014	.0031	.0040
%RSD	47.52	176.1	.9724	4.277	4.058	.1122	67.22	.4876	1.326
#1	-.0073	.0033	3.855	.0430	.9829	8.201	-.0035	.6259	.3007
#2	-.0067	-.0135	3.854	.0408	.9880	8.189	-.0020	.6224	.3031
#3	-.0025	-.0042	3.790	.0395	.9908	8.183	-.0007	.6285	.2954
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2562.1	5099.9	4299.9	3430.3					
Stddev	26.1	51.7	14.	16.4					
%RSD	1.0185	1.0135	.03265	.47845					
#1	2545.6	5072.1	43014.	3446.2					
#2	2548.5	5068.1	42996.	3413.4					
#3	2592.2	5159.5	42987.	3431.2					

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7.3
7

Sample Name: FA32306-1 Acquired: 4/25/2016 15:07:38 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	242.6	0.671	1.554	0.068	49.55	0.142	0.706	4.644
Stddev	.0019	1.1	.0039	.007	.0003	.26	.0004	.0009	.0018
%RSD	465.9	.4459	5.767	.4524	.5268	3.045	1.232	.3889	
#1	-.0013	242.0	.0715	1.548	.0065	49.43	.0147	.0698	.4664
#2	.0018	241.8	.0640	1.552	.0070	49.37	.0140	.0705	.4631
#3	-.0017	243.8	.0659	1.561	.0069	49.85	.0138	.0715	.4636
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	6.393	218.3	23.82	32.59	7.057	2.891	2.782	1.517	
Stddev	.0022	1.1	.16	.31	.014	.0004	.006	.0006	.007
%RSD	.3449	.5224	.6640	.9366	.1995	14.45	.2218	.2230	.4660
#1	.6406	217.5	23.67	32.44	7.049	.0033	2.887	.2780	1.511
#2	.6367	217.7	23.79	32.38	7.049	.0027	2.898	.2778	1.516
#3	.6405	219.6	23.98	32.94	7.074	.0025	2.887	.2789	1.525
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.002	-0.002	3.577	0.408	6.095	7.323	-0.128	4.242	6.226
Stddev	.0002	.0134	.009	.0029	.0025	.010	.0103	.0019	.0013
%RSD	3.314	7499.	.2659	7.145	.4097	.1376	80.69	.4488	.2041
#1	-.0070	-.0054	3.588	.0441	.6081	7.321	-.0228	.4236	.6215
#2	-.0075	.0151	3.574	.0396	.6080	7.314	-.0134	.4264	.6224
#3	-.0071	-.0102	3.570	.0386	.6124	7.334	-.0022	.4227	.6240
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2586.1	5084.3	4325.5	3450.2					
Stddev	5.7	14.5	35.	18.4					
%RSD	.21881	.28444	.08036	.53300					
#1	2583.4	5082.9	43238.	3440.5					
#2	2582.3	5070.6	43295.	3471.4					
#3	2592.6	5099.4	43233.	3438.6					

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Sample Name: FA32306-4 Acquired: 4/25/2016 15:12:00 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.006	193.4	0.852	1.060	0.056	51.54	0.053	0.666	4.900
Stddev	.0009	.5	.0041	.004	.0003	.34	.0002	.0004	.0010
%RSD	167.9	.2715	4.866	4.140	4.726	6.614	4.400	.5681	.2056
#1	.0007	193.3	.0836	1.064	.0056	51.46	.0055	.0664	.4906
#2	.0014	192.9	.0898	1.056	.0059	51.25	.0051	.0671	.4905
#3	-.0005	194.0	.0820	1.061	.0054	51.91	.0051	.0664	.4888
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.550	187.2	23.75	35.64	5.584	0.005	2.662	2.686	8.245
Stddev	.0011	1.0	.32	.47	.018	.0002	.038	.0014	.0054
%RSD	.6845	.5201	1.349	1.331	.3243	43.34	1.425	.5263	.6518

Sample Name: FA32306-7 Acquired: 4/25/2016 15:16:22 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0004	422.2	.0818	4.912	.0121	166.5	.0034	.1149	.6870
Stddev	.0017	1.1	.0020	.021	.0001	.4	.0002	.0004	.0047
%RSD	449.6	.2692	2.431	.4210	.9875	.2530	6.422	.3871	.6872
#1	.0019	421.2	.0811	4.888	.0122	166.1	.0032	.1153	.6844
#2	-.0015	422.0	.0841	4.928	.0120	166.6	.0036	.1144	.6841
#3	.0007	423.4	.0803	4.919	.0121	166.9	.0034	.1150	.6924
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.442	359.5	34.29	57.26	13.55	.0035	3.852	.5016	7.486
Stddev	.003	.9	.04	.14	.0004	.038	.0009	.031	.031
%RSD	.2376	.2611	.1101	.2429	1.054	11.74	.9959	.1771	.4097
#1	1.440	359.1	34.31	57.42	13.43	.0032	3.815	.5006	7.463
#2	1.440	358.8	34.31	57.22	13.51	.0040	3.849	.5018	7.475
#3	1.446	360.6	34.25	57.15	13.71	.0034	3.891	.5024	7.521
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0040	-.0117	4.167	.0436	2.464	12.04	.0067	.6965	.8109
Stddev	.0058	.0067	.009	.0007	.002	.05	.0061	.0042	.0015
%RSD	144.8	57.39	.2121	1.608	.0857	4.340	90.10	.5973	.1851
#1	-.0026	-.0128	4.160	.0429	2.462	12.00	.0095	.6970	.8126
#2	.0065	-.0177	4.163	.0436	2.466	12.04	-.0002	.6922	.8096
#3	.0083	-.0045	4.177	.0443	2.464	12.10	.0110	.7004	.8105
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2520.8	5099.1	4331.2	3439.4					
Stddev	3.5	8.3	253.	16.9					
%RSD	.13980	.16278	.58438	.49001					
#1	2524.8	5101.5	4345.0	3448.1					
#2	2519.4	5089.9	4346.5	3450.2					
#3	2518.2	5106.0	4302.0	3420.0					

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Sample Name: FA32306-10 Acquired: 4/25/2016 15:20:52 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0005	255.8	.0534	1.933	.0063	74.25	.0008	.0717	.4774
Stddev	.0010	.7	.0049	.007	.0003	.34	.0006	.0006	.0029
%RSD	207.3	.2711	9.095	.3802	5.112	.4568	76.23	.8048	.6139
#1	.0007	256.5	.0589	1.934	.0067	74.45	.0005	.0723	.4748
#2	-.0009	255.8	.0520	1.940	.0063	74.45	.0005	.0713	.4768
#3	-.0013	255.1	.0495	1.925	.0061	73.86	.0016	.0714	.4806
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2860	233.6	27.81	38.79	6.111	.0025	3.387	.3187	2.510
Stddev	.0013	.5	.04	.14	.025	.0005	.042	.0019	.015
%RSD	.4669	.2050	.1450	.3547	.4082	18.44	1.225	.5957	.5992
#1	.2854	234.0	27.83	38.87	6.085	.0021	3.418	.3183	2.511
#2	.2875	233.6	27.76	38.88	6.114	.0023	3.403	.3207	2.525
#3	.2851	233.1	27.83	38.63	6.135	.0030	3.340	.3170	2.495
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0169	-.0070	3.800	.0457	1.037	8.128	-.0080	.4901	.4922
Stddev	.0015	.0036	.012	.0015	.000	.026	.0070	.0022	.0015
%RSD	8.819	51.67	.3150	3.266	.0431	.3239	87.76	.4515	.3079
#1	.0156	-.0103	3.801	.0448	1.037	8.099	-.0125	.4926	.4933
#2	.0165	-.0031	3.787	.0449	1.038	8.138	-.0116	.4885	.4928
#3	.0185	-.0077	3.811	.0474	1.037	8.148	.0001	.4893	.4905
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2583.8	5085.6	4335.3	3445.2					
Stddev	4.2	6.0	72.	25.7					
%RSD	.16069	.11813	.16654	.74557					
#1	2587.8	5090.5	4343.6	3416.0					
#2	2579.5	5087.3	4330.8	3455.4					
#3	2584.1	5078.9	4331.5	3464.2					

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7.3
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Sample Name: FA32306-11 Acquired: 4/25/2016 15:25:14 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0015	251.7	.0517	1.683	.0066	62.04	-.0008	.0665	.4764
Stddev	.0010	1.4	.0024	.011	.0000	.32	.0001	.0009	.0026
%RSD	67.24	.5491	4.677	.6524	.7468	.5192	15.00	1.297	.5449
#1	-.0027	253.2	.0506	1.695	.0066	62.41	-.0009	.0670	.4735
#2	-.0010	251.7	.0500	1.683	.0066	61.84	-.0009	.0669	.4774
#3	-.0009	250.4	.0545	1.673	.0065	61.86	-.0007	.0655	.4784
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2025	221.9	25.90	36.77	4.829	.0036	3.301	.2983	2.563
Stddev	.0016	1.1	.06	.41	.025	.0002	.018	.0019	.003
%RSD	.7936	.5062	.2401	1.129	.5092	5.435	.5403	.6307	.1029
#1	.2038	223.2	25.93	37.21	4.800	.0037	3.319	.2988	2.560
#2	.2030	221.2	25.82	36.38	4.844	.0037	3.283	.2999	2.562
#3	.2007	221.2	25.93	36.73	4.842	.0034	3.302	.2962	2.566
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0079	-.0028	2.866	.0354	.8674	8.030	-.0068	.4620	.3591
Stddev	.0069	.0032	.006	.0005	.0044	.027	.0019	.0023	.0009
%RSD	88.15	113.0	.1954	1.395	.5064	.3359	27.61	.4967	.2372
#1	.0018	-.0007	2.870	.0350	.8721	8.000	-.0056	.4600	.3596
#2	.0064	-.0013	2.868	.0353	.8634	8.038	-.0090	.4645	.3595
#3	.0154	-.0065	2.860	.0360	.8667	8.052	-.0059	.4615	.3581
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2609.9	5121.2	4351.6	3457.0					
Stddev	4.4	8.4	57.	17.2					
%RSD	.16976	.16326	.13087	.49815					
#1	2605.2	5115.6	4354.0	3440.1					
#2	2610.6	5117.2	4345.1	3474.6					
#3	2614.0	5130.8	4355.7	3456.4					

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Sample Name: FA32306-16 Acquired: 4/25/2016 15:29:37 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0013	144.8	.0083	1.064	.0017	37.82	-.0014	.0287	.2431
Stddev	.0010	.4	.0011	.008	.0001	.09	.0004	.0006	.0022
%RSD	76.61	.2887	13.62	.7777	5.459	.2467	29.65	2.216	.9084
#1	-.0002	144.6	.0094	1.061	.0018	37.72	-.0010	.0290	.2441
#2	-.0022	144.5	.0083	1.058	.0018	37.90	-.0019	.0279	.2405
#3	-.0017	145.3	.0071	1.074	.0016	37.84	-.0014	.0291	.2446
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0939	136.1	16.15	15.32	3.410	.0014	2.091	.1300	.2631
Stddev	.0019	.5	.07	.17	.005	.0005	.047	.0012	.0033
%RSD	2.050	.3734	4.075	1.094	.1568	35.65	2.249	.8860	1.273
#1	.0947	136.2	16.08	15.23	3.408	.0010	2.120	.1312	.2664
#2	.0953	135.5	16.21	15.21	3.416	.0020	2.117	.1297	.2597
#3	.0917	136.5	16.16	15.51	3.406	.0013	2.03		

Sample Name: CCV Acquired: 4/25/2016 15:34:01 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2539	40.51	2.031	2.011	2.025	41.04	2.059	2.051	2.060
Stddev	.0004	.04	.003	.003	.003	.10	.004	.003	.007
%RSD	.1638	.1017	.1312	.1574	.1686	.2489	.2006	.1241	.3413
#1	.2544	40.52	2.034	2.015	2.022	41.01	2.063	2.053	2.068
#2	.2537	40.47	2.030	2.009	2.025	41.16	2.055	2.048	2.059
#3	.2536	40.55	2.030	2.009	2.029	40.96	2.060	2.050	2.054

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.026	39.93	40.44	40.94	2.080	2.026	40.34	2.063	2.029
Stddev	.005	.03	.11	.09	.005	.001	.06	.004	.005
%RSD	.2416	.0735	.2808	.2305	.2526	.0507	.1557	.1832	.2681
#1	2.028	39.90	40.43	40.96	2.086	2.026	40.35	2.067	2.033
#2	2.030	39.94	40.56	41.02	2.079	2.028	40.28	2.060	2.023
#3	2.021	39.96	40.34	40.84	2.075	2.026	40.40	2.063	2.031

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.039	2.051	1.462	2.067	1.998	2.061	2.052	2.036	2.059
Stddev	.002	.003	.002	.004	.003	.005	.002	.004	.007
%RSD	.0940	.1681	.1211	.1979	.1653	.2352	.0944	.1837	.3209
#1	2.037	2.055	1.463	2.071	2.001	2.066	2.051	2.040	2.066
#2	2.040	2.048	1.461	2.065	1.995	2.062	2.051	2.036	2.054
#3	2.040	2.051	1.464	2.064	1.996	2.056	2.055	2.032	2.056

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/25/2016 15:34:01 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2352.2	4809.2	40889.	3306.7
Stddev	2.0	4.7	143.	8.1
%RSD	.08515	.09858	.34851	.24411
#1	2353.7	4814.1	40827.	3314.1
#2	2352.9	4804.7	40788.	3307.9
#3	2349.9	4808.8	41052.	3298.1

Sample Name: CCB Acquired: 4/25/2016 15:38:13 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0052	.0000	.0002	.0000	.0121	-0.0001	-0.0002	-0.0001
Stddev	.0002	.0063	.001	.0002	.0000	.0014	.0000	.0001	.0000
%RSD	133.2	120.7	3134.	117.9	35.44	11.85	57.22	41.58	38.24
#1	.0004	.0017	.0005	.0000	.0000	.0131	.0000	-.0001	-.0001
#2	.0000	.0125	.0005	.0004	.0001	.0129	-.0001	-.0002	-.0001
#3	.0000	.0014	-.0011	.0001	.0000	.0105	-.0001	-.0002	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	.0107	.0016	.0039	.0001	.0005	.0013	-0.0001	.0002
Stddev	.0002	.0013	.0251	.0136	.0001	.0002	.0043	.0000	.0004
%RSD	240.6	11.82	1559.	350.7	124.4	41.10	330.8	6.674	226.1
#1	-.0001	.0116	-.0260	.0184	.0002	.0006	.0056	-.0001	-.0001
#2	-.0002	.0112	.0232	-.0084	.0001	.0006	.0014	-.0001	.0000
#3	.0001	.0092	.0076	.0016	.0000	.0003	-.0031	-.0001	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0005	.0035	.0000	.0001	.0004	-0.0007	-0.0002	.0003
Stddev	.001	.0009	.0002	.000	.0000	.0001	.0010	.0001	.0002
%RSD	922.2	162.3	4.874	342.1	65.48	33.15	134.2	51.38	52.65
#1	.0000	.0010	.0034	.0000	.0001	.0005	.0002	-.0001	.0005
#2	.0004	.0010	.0037	.0000	.0000	.0003	-.0018	-.0001	.0002
#3	-.0005	-.0005	.0035	-.0001	.0000	.0002	-.0007	-.0003	.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/25/2016 15:38:13 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2760.2	5052.8	43276.	3402.4
Stddev	3.5	3.9	17.	12.0
%RSD	.12849	.07800	.03973	.35259
#1	2756.3	5052.7	43293.	3415.8
#2	2763.3	5056.8	43275.	3392.5
#3	2761.1	5048.9	43259.	3399.0

Sample Name: FA32306-19 Acquired: 4/25/2016 15:42:48 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.012	134.8	0.174	8058	0.015	27.84	-0.014	0.0239	2286
Stddev	.0009	.2	.0004	.0031	.0003	.01	.0000	.0007	.0010
%RSD	70.03	.1852	2.318	.3889	16.78	.0298	3.358	2.798	.4567
#1	-.0007	134.6	.0172	.8023	.0017	27.83	-.0013	.0237	.2275
#2	-.0008	135.1	.0179	.8069	.0012	27.85	-.0014	.0246	.2286
#3	-.0023	134.8	.0172	.8083	.0016	27.85	-.0014	.0233	.2296
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2569	132.7	16.49	12.55	2.573	0.051	2.139	1.124	6789
Stddev	.0009	.3	.08	.11	.009	.0014	.032	.0017	.0027
%RSD	.3582	.2486	.4857	.8844	.3666	27.18	1.486	1.502	.3920
#1	.2579	132.3	16.42	12.68	2.579	.0062	2.146	1.131	.6816
#2	.2563	132.8	16.46	12.47	2.578	.0056	2.104	1.105	.6788
#3	.2564	133.0	16.58	12.50	2.562	.0035	2.167	1.137	.6763
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.004	-0.0024	3.223	0.364	3.753	4.769	-0.104	3.578	2.007
Stddev	.0047	.0055	.013	.0022	.0015	.016	.0049	.0009	.0006
%RSD	106.3	230.3	.3911	6.107	.4000	.3306	47.51	2.452	.3060
#1	.0022	-.0028	3.236	.0389	.3737	4.778	-.0157	.3580	.2011
#2	.0040	-.0077	3.210	.0349	.3767	4.777	-.0095	.3585	.2000
#3	-.0049	-.0033	3.222	.0353	.3754	4.750	-.0060	.3568	.2010
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2661.1	5071.2	43455	3409.2					
Stddev	6.5	8.6	218.	7.4					
%RSD	.24380	.17016	.50119	.21655					
#1	2653.7	5066.3	43306.	3402.2					
#2	2665.7	5081.2	43354.	3408.5					
#3	2663.8	5066.2	43705.	3416.9					

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Sample Name: FA32306-22 Acquired: 4/25/2016 15:47:10 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	201.1	0.0295	1.162	0.043	40.94	-0.014	0.0461	.3717
Stddev	.0006	.8	.0028	.008	.0000	.14	.0003	.0003	.0022
%RSD	97.30	.3933	9.561	.7147	1.023	.3395	18.50	.6155	.5898
#1	-.0011	202.0	.0323	1.170	.0043	41.10	-.0014	.0459	.3726
#2	-.0000	200.7	.0297	1.154	.0042	40.84	-.0017	.0459	.3692
#3	-.0006	200.6	.0266	1.163	.0042	40.87	-.0012	.0464	.3733
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.686	190.1	23.38	21.83	4.346	0.049	2.647	1.194	.3373
Stddev	.0008	.8	.25	.16	.017	.0005	.018	.0002	.0002
%RSD	.5019	.4157	1.065	.7134	.3982	9.882	.6870	.1068	.0550
#1	.1677	190.7	23.61	21.69	4.362	.0045	2.645	.1941	.3371
#2	.1687	190.3	23.42	21.79	4.328	.0046	2.630	.1937	.3375
#3	.1694	189.2	23.12	21.99	4.349	.0054	2.666	.1940	.3373
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.028	-0.0015	2.974	0.366	5.220	7.421	-0.165	4.720	.2629
Stddev	.0005	.0049	.008	.0008	.0011	.013	.0039	.0014	.0011
%RSD	19.42	318.2	.2545	2.308	.2022	.1728	23.79	.3009	.4275
#1	.0022	-.0069	2.983	.0375	.5218	7.435	-.0185	.4736	.2625
#2	.0033	-.0027	2.969	.0358	.5231	7.409	-.0189	.4710	.2619
#3	.0029	-.0005	2.970	.0367	.5210	7.419	-.0119	.4713	.2641
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2632.8	5089.5	43222	3406.0					
Stddev	3.1	6.0	113.	16.8					
%RSD	.11799	.11884	.26189	.49453					
#1	2632.8	5082.6	43092.	3387.1					
#2	2629.7	5093.7	43301.	3419.5					
#3	2635.9	5092.3	43272.	3411.3					

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7.3
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Sample Name: FA32306-25 Acquired: 4/25/2016 15:51:30 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.009	203.9	0.475	9365	0.055	29.80	-0.009	0.0596	.5172
Stddev	.0004	.2	.0039	.0023	.0004	.09	.0002	.0002	.0044
%RSD	47.38	.1070	8.121	.2414	6.975	.2977	18.43	.3160	.8583
#1	-.0013	203.9	.0456	.9346	.0054	29.82	-.0008	.0597	.5123
#2	-.0004	203.7	.0449	.9361	.0052	29.70	-.0009	.0596	.5183
#3	-.0009	204.1	.0519	.9390	.0059	29.87	-.0011	.0594	.5210
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1843	200.5	22.53	30.87	2.722	0.010	2.621	2.448	4945
Stddev	.0017	.2	.13	.10	.016	.0002	.029	.0004	.0005
%RSD	.8965	.1015	.5946	.3272	.6018	18.74	1.122	.1581	.0980
#1	.1841	200.7	22.62	30.98	2.716	.0008	2.610	.2444	.4946
#2	.1827	200.3	22.60	30.77	2.709	.0011	2.654	.2448	.4940
#3	.1860	200.4	22.38	30.85	2.740	.0012	2.598	.2452	.4949
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.0054	-0.0090	2.651	0.361	3.067	7.881	-0.172	4.080	.3321
Stddev	.0059	.0061	.004	.0014	.0009	.031	.0030	.0015	.0007
%RSD	108.8	68.34	.1335	4.009	.3097	.3900	17.63	.3556	.2239
#1	-.0090	-.0086	2.653	.0372	.3077	7.867	-.0157	.4072	.3314
#2	-.0086	-.0030	2.653	.0366	.3068	7.860	-.0153	.4070	.3320
#3	-.0014	-.0153	2.647	.0345	.3058	7.916	-.0207	.4096	.3329
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2639.8	5140.3	43344	3387.2					
Stddev	6.5	4.4	251.	3.4					
%RSD	.24693	.08506	.57881	.09997					
#1	2640.3	5135.5	43525.	3383.6					
#2	2646.1	5144.2	43449.	3390.3					
#3	2633.1	5141.2	43058.	3387.8					

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Sample Name: FA32306-28 Acquired: 4/25/2016 15:55:51 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.001	134.5	0.132	6516	0.011	19.80	-0.017	0.147	.1696
Stddev	.0016	.1	.0018	.0012	.0001	.08	.0003	.0005	.0005
%RSD	145.4	.0856	13.72	.1835	13.31	.4153	17.76	3.437	.2847
#1	.0017	134.5	.0150	.6509	.0010	19.88	-.0013	.0153	.1692
#2	.0001	134.4	.0134	.6509	.0012	19.81	-.0019	.0143	.1696
#3	-.0015	134.6	.0114	.6530	.0009	19.71	-.0018	.0147	.1701
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	8393	136.8	12.22	9.886	1.120	0.053	1.548	0.886	6.919
Stddev	.0037	.4	.03	.062	.005	.0004	.030	.0007	.020
%RSD	.4407	.3204	.2735	.6238	.4762	8.402	1.927	.8119	.2867

Sample Name: FA32306-31 Acquired: 4/25/2016 16:00:15 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.015	130.1	0.188	1.069	0.014	28.57	-0.013	0.177	1.858
Stddev	.0017	.2	.0017	.004	.0001	.08	.0003	.0003	.0024
%RSD	110.2	.1710	9.250	.3888	9.066	.2863	21.56	1.876	1.306
#1	-.0019	129.9	.0176	1.068	.0016	28.51	-.0010	.0176	.1835
#2	-.0003	130.3	.0208	1.073	.0014	28.66	-.0014	.0174	.1855
#3	-.0030	130.2	.0180	1.065	.0013	28.53	-.0015	.0181	.1883
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.958	135.1	12.56	10.76	1.689	0.041	1.674	0.949	F 28.26
Stddev	.010	.2	.09	.18	.003	.0003	.014	.0008	.05
%RSD	.3338	.1698	.7326	1.697	.1998	8.441	.8486	.8189	.1905
#1	2.968	135.0	12.46	10.57	1.688	.0038	1.690	.0952	28.32
#2	2.948	135.4	12.60	10.94	1.687	.0045	1.663	.0956	28.24
#3	2.959	134.9	12.63	10.76	1.693	.0040	1.669	.0941	28.23
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.539	-0.024	3.024	0.561	4.311	3.930	-0.183	3.584	6.362
Stddev	.0042	.0026	.005	.0009	.0006	.005	.0055	.0004	.0016
%RSD	7.884	108.7	.1561	1.598	.1365	.1176	30.21	.1111	.2443
#1	.0585	-.0019	3.029	.0551	.4310	3.934	-.0120	.3588	.6380
#2	.0530	-.0001	3.024	.0567	.4317	3.931	-.0207	.3582	.6353
#3	.0502	-.0053	3.020	.0565	.4306	3.925	-.0222	.3580	.6352
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2672.0	5066.4	4317.7	3418.2					
Stddev	6.3	11.6	75	9.7					
%RSD	.23574	.22915	.17268	.28446					
#1	2667.1	5053.8	43129.	3407.4					
#2	2679.1	5076.7	43263.	3421.1					
#3	2669.9	5068.8	43139.	3426.2					

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Sample Name: FA32306-34 Acquired: 4/25/2016 16:04:37 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.014	292.7	0.277	2.037	0.048	34.40	-0.023	0.560	4.028
Stddev	.0015	.5	.0003	.006	.0004	.10	.0003	.0005	.0023
%RSD	102.3	.1632	1.016	.2754	8.281	.2897	13.54	.8962	.5633
#1	.0001	292.3	.0274	2.035	.0051	34.37	-.0020	.0557	4.007
#2	-.0029	293.2	.0279	2.043	.0050	34.52	-.0026	.0565	4.052
#3	-.0015	292.6	.0278	2.032	.0044	34.33	-.0021	.0556	4.026
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.014	230.7	13.85	15.64	2.953	0.069	2.973	2.140	2.425
Stddev	.0008	.5	.24	.12	.007	.0001	.037	.0006	.0030
%RSD	1.011	.2158	1.716	.7559	.2450	1.738	1.245	.2571	1.228
#1	.0820	230.9	13.58	15.77	2.960	.0070	2.937	.2145	2.436
#2	.0805	231.0	14.03	15.59	2.952	.0068	2.972	.2134	2.392
#3	.0817	230.1	13.94	15.55	2.946	.0069	3.011	.2141	2.448
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.033	-0.057	3.147	0.461	5.283	5.958	-0.125	5.621	1.483
Stddev	.0083	.0025	.005	.0018	.0012	.013	.0074	.0007	.0009
%RSD	251.4	43.11	.1684	3.817	.2213	.2130	59.51	.1298	.5923
#1	.0009	-.0055	3.150	.0453	.5276	5.966	-.0209	.5629	.1489
#2	-.0129	-.0083	3.141	.0449	.5296	5.966	-.0093	.5616	.1473
#3	.0021	-.0033	3.150	.0481	.5276	5.944	-.0072	.5618	.1488
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2621.8	5120.5	4325.4	3390.9					
Stddev	5.3	10.5	316	10.2					
%RSD	.20149	.20492	.73140	.30039					
#1	2617.2	5109.4	42945.	3388.7					
#2	2627.6	5130.3	43240.	3381.9					
#3	2620.7	5121.8	43577.	3401.9					

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7.3
7

Sample Name: MP30271-D2 Acquired: 4/25/2016 16:08:58 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	225.4	0.557	1.113	0.057	40.06	-0.010	0.528	4.588
Stddev	.0007	1.7	.0023	.008	.0003	.13	.0002	.0003	.0024
%RSD	122.0	.7587	4.155	.6937	5.350	.3277	19.40	.6490	.5192
#1	-.0002	223.5	.0575	1.105	.0057	39.94	-.0008	.0528	4.584
#2	-.0001	226.6	.0531	1.121	.0054	40.05	-.0012	.0532	4.613
#3	-.0014	226.2	.0564	1.114	.0060	40.20	-.0009	.0525	4.566
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.790	195.7	21.80	33.11	3.822	0.024	2.899	2.656	1.106
Stddev	.0010	.9	.21	.27	.006	.0006	.056	.0007	.007
%RSD	.5773	.4737	.9576	.8066	.1538	24.52	1.944	.2731	.6149
#1	.1802	194.7	21.57	32.81	3.829	.0018	2.843	.2661	1.111
#2	.1789	196.1	21.95	33.33	3.818	.0023	2.956	.2647	1.108
#3	.1781	196.4	21.89	33.19	3.819	.0030	2.898	.2658	1.098
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.004	-0.054	2.822	0.378	5.445	6.768	-0.133	3.923	4.034
Stddev	.0012	.0066	.011	.0005	.0048	.009	.0064	.0031	.0011
%RSD	281.9	121.4	.3764	1.262	.8747	.1251	48.13	.7876	.2848
#1	-.0009	.0000	2.810	.0383	.5391	6.776	-.0065	.3904	4.046
#2	.0007	-.0128	2.829	.0374	.5481	6.770	-.0140	.3907	4.030
#3	.0014	-.0035	2.827	.0376	.5464	6.759	-.0192	.3959	4.024
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2630.0	5130.1	4334.8	3362.8					
Stddev	6.4	6.9	76	17.2					
%RSD	.24448	.13464	.17511	.51018					
#1	2622.8	5122.7	43267.	3378.4					
#2	2631.9	5131.2	43418.	3365.7					
#3	2635.3	5136.3	43358.	3344.4					

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Sample Name: CRIA Acquired: 4/25/2016 16:13:17 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.094	2.091	0.097	2.082	0.048	1.074	0.053	0.552	0.105
Stddev	.0001	.0042	.0000	.0009	.0001	.008	.0001	.0002	.0002
%RSD	1.451	2.010	.3392	4.394	1.171	.7036	1.244	.3780	2.209
#1	.0095	.2058	.0097	.2085	.0048	1.075	.0053	.0550	.0106
#2	.0094	.2138	.0097	.2090	.0049	1.081	.0054	.0554	.0102
#3	.0092	.2076	.0097	.2072	.0048	1.066	.0052	.0551	.0106
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_	

Sample Name: ICSA Acquired: 4/25/2016 16:17:44 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	F 509.4	-0.002	-0.005	-0.004	F 502.7	-0.001	-0.003	-0.006
Stddev	.0002	10.6	.0005	.0002	.0001	4.6	.0003	.0001	.0002
%RSD	50.79	2.079	21.95	30.37	17.06	.9239	295.2	18.19	27.12
#1	-0.005	519.0	-0.0021	-0.006	-0.004	507.7	-0.005	-0.004	-0.005
#2	-0.002	498.1	-0.0017	-0.003	-0.003	498.5	.0000	-0.003	-0.008
#3	-0.002	511.2	-0.0027	-0.005	-0.004	501.9	.0001	-0.003	-0.006
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.006	190.2	.0707	F 534.6	-0.008	-0.001	.1293	.0005	-0.036
Stddev	.0005	3.3	.0494	9.1	.0001	.0001	.0126	.0002	.0025
%RSD	90.32	1.752	69.90	1.695	10.14	208.8	9.767	42.63	70.61
#1	.0012	194.0	.0808	545.1	-0.008	.0001	.1415	.0004	-0.060
#2	.0003	188.1	.0170	528.8	-0.008	-0.001	.1163	.0008	-0.009
#3	.0003	188.5	.1143	530.0	-0.007	-0.001	.1302	.0003	-0.038
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0007	-0.003	.0629	.0014	-0.003	.0000	-0.0018	.0009	-0.025
Stddev	.0036	.0020	.0011	.0006	.0001	.0001	.0023	.0001	.0003
%RSD	500.2	59.25	1.822	42.52	33.52	185.2	123.3	5.754	10.79
#1	.0014	-0.0012	.0618	.0010	-0.002	.0001	-0.0041	.0009	-0.028
#2	.0039	-0.0037	.0628	.0020	-0.003	.0000	.0004	.0008	-0.023
#3	-0.0031	-0.0050	.0641	.0010	-0.004	.0000	-0.0018	.0009	-0.023
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2058.2	4444.2	3680.7	3104.7					
Stddev	5.5	6.0	134.	40.8					
%RSD	.26692	.13511	.36472	1.3156					
#1	2052.4	4439.6	36935.	3058.4					
#2	2063.4	4442.0	36667.	3135.7					
#3	2058.7	4451.0	36820.	3120.0					

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Sample Name: ICSAB Acquired: 4/25/2016 16:22:24 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F 1.059	F 509.4	1.100	.5362	.5228	497.7	.9809	.4855	.5205
Stddev	.001	3.1	.006	.0023	.0019	1.9	.0003	.0006	.0017
%RSD	.1231	.6116	.5681	.4267	.3639	.3763	.0257	.1150	.3331
#1	1.060	505.8	1.093	.5360	.5221	499.8	.9807	.4849	.5187
#2	1.058	510.8	1.103	.5387	.5214	496.8	.9811	.4855	.5207
#3	1.059	511.6	1.105	.5341	.5250	496.4	.9811	.4861	.5221
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5558	191.0	.0467	F 531.4	.5193	.9629	.1423	.9736	.9873
Stddev	.0020	.6	.0140	1.4	.0011	.0008	.0041	.0010	.0021
%RSD	.3684	.3196	29.97	.2717	.2212	.0815	2.853	.0998	.2143
#1	.5581	190.6	.0387	529.8	.5180	.9623	.1383	.9725	.9865
#2	.5541	190.8	.0385	532.3	.5202	.9625	.1422	.9740	.9857
#3	.5553	191.7	.0628	532.3	.5197	.9638	.1464	.9744	.9897
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.033	1.044	.0984	.9544	1.040	1.018	.9659	.4829	.9864
Stddev	.002	.004	.0010	.0015	.002	.000	.0026	.0002	.0007
%RSD	.1796	.3819	.9993	.1566	.1911	.0436	.2743	.0497	.0745
#1	1.031	1.047	.0974	.9536	1.041	1.018	.9648	.4828	.9859
#2	1.035	1.047	.0983	.9535	1.038	1.018	.9689	.4832	.9861
#3	1.032	1.040	.0994	.9561	1.041	1.019	.9639	.4827	.9873
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2012.4	4376.6	36405.	3072.5					
Stddev	3.9	2.0	49.	6.7					
%RSD	.19587	.04679	.13440	.21782					
#1	2012.5	4377.7	36426.	3076.3					
#2	2016.4	4378.0	36349.	3076.4					
#3	2008.5	4374.3	36440.	3064.8					

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Sample Name: CCV Acquired: 4/25/2016 16:26:53 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2519	40.48	2.019	2.015	2.028	41.03	2.045	2.044	2.032
Stddev	.0006	.26	.001	.018	.012	.28	.002	.001	.005
%RSD	.2223	.6329	.0442	.9162	.5972	.6892	.0864	.0345	.2316
#1	.2525	40.29	2.018	1.999	2.024	40.81	2.046	2.044	2.026
#2	.2513	40.77	2.020	2.036	2.042	41.35	2.045	2.043	2.034
#3	.2519	40.37	2.019	2.011	2.019	40.94	2.043	2.044	2.035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.015	39.78	40.30	40.77	2.044	2.022	40.28	2.048	2.023
Stddev	.002	.25	.23	.18	.005	.002	.30	.002	.002
%RSD	.0826	.6184	.5680	.4304	.2457	.0776	.7553	.0743	.0724
#1	2.015	39.60	40.07	40.63	2.039	2.021	40.20	2.048	2.021
#2	2.013	40.06	40.53	40.97	2.049	2.021	40.62	2.049	2.024
#3	2.016	39.67	40.29	40.71	2.043	2.024	40.03	2.046	2.023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.034	2.045	1.455	2.062	1.995	2.033	2.042	2.014	2.045
Stddev	.006	.001	.003	.003	.016	.003	.004	.004	.004
%RSD	.2843	.0512	.2179	.1225	.7962	.1366	.1953	.2131	.2195
#1	2.027	2.044	1.452	2.063	1.979	2.031	2.046	2.010	2.050
#2	2.037	2.045	1.456	2.059	2.011	2.036	2.038	2.019	2.041
#3	2.037	2.046	1.459	2.064	1.996	2.032	2.041	2.014	2.044
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 4/25/2016 16:26:53 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2334.9	4788.5	41057.	3277.2
Stddev	4.6	6.3	101.	27.6
%RSD	.19913	.13219	.24662	.84091
#1	2340.1	4795.8	41010.	3296.0
#2	2333.6	4784.6	41173.	3245.6
#3	2331.1	4785.1	40988.	3290.1

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7.3

7

Sample Name: CCB Acquired: 4/25/2016 16:31:05 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0234	.0005	-0.0002	-0.0001	.0251	-0.0001	-0.0002	-0.0001
Stddev	.000	.0043	.0007	.0001	.0000	.0029	.0001	.0001	.0001
%RSD	58750.	18.46	134.2	54.56	20.95	11.66	53.66	44.55	62.19
#1	-0.001	.0268	-0.002	-0.003	-0.001	.0283	.0000	-0.001	-0.002
#2	-0.001	.0186	.0007	-0.001	-0.001	.0244	-0.002	-0.002	-0.001
#3	.0001	.0249	.0012	-0.004	-0.001	.0225	-0.001	-0.002	-0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0164	-0.0071	.0096	-0.0001	.0006	.0136	-0.0001	-0.0003
Stddev	.0001	.0043	.0240	.0195	.0000	.0003	.0029	.0000	.0002
%RSD	84.04	26.21	337.8	203.8	45.87	45.35	21.17	50.22	76.85
#1	.0000	.0174	-0.0049	.0067	.0000	.0009	.0169	-0.0001	-0.0002
#2	.0002	.0201	.0157	.0303	-0.001	.0005	.0120	.0000	-0.0006
#3	.0001	.0117	-0.0321	-0.0083	-0.0001	.0004	.0118	-0.0001	-0.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0008	-0.0008	.0035	-0.0002	.0000	.0002	-0.0001	-0.0001	.0002
Stddev	.0006	.0021	.0002	.0003	.000	.0002	.0002	.0001	.0000
%RSD	78.04	274.2	4.919	217.1	277.1	95.70	305.4	45.04	9.242
#1	-0.014	-0.0031	.0035	.0002	.0000	.0004	.0002	-0.0001	.0003
#2	-0.0001	-0.0001	.0033	-0.0005	.0000	.0001	-0.0003	-0.0002	.0002
#3	-0.0009	.0009	.0036	-0.0001	-0.0001	.0001	-0.0001	-0.0002	.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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Sample Name: CCB Acquired: 4/25/2016 16:31:05 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2714.9	4975.0	42845.	3384.9
Stddev	7.1	17.7	363.	4.7
%RSD	.26046	.35539	.84681	.13915
#1	2715.4	4970.9	42667.	3383.0
#2	2721.7	4994.3	43262.	3390.3
#3	2707.6	4959.7	42605.	3381.5

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7.3
7

Sample Name: ALSIC Acquired: 4/25/2016 16:35:37 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	522.0	-0.0013	.0000	-0.0004	F .1230	-0.0002	-0.0004
Stddev	.0004	12.2	.0011	.0001	.0000	.0032	.0000	.0000
%RSD	83.47	2.343	79.25	7171.	2.233	2.588	15.58	7.302
#1	.0000	510.8	-0.0007	-0.0001	-0.0004	.1196	-0.0002	-0.0004
#2	-0.0008	520.1	-0.0026	.0000	-0.0004	.1233	-0.0002	-0.0004
#3	-0.0005	535.0	-0.0007	.0002	-0.0004	.1260	-0.0002	-0.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0009	.0009	.0390	-0.0111	.0037	-0.0002	-0.0009	.0933
Stddev	.0003	.0001	.0029	.0450	.0036	.0001	.0001	.0080
%RSD	31.64	9.717	7.512	404.4	97.26	35.05	13.29	8.573
#1	-0.0012	.0009	.0385	-0.0328	.0004	-0.0003	-0.0010	.1013
#2	-0.0008	.0009	.0363	-0.0412	.0032	-0.0002	-0.0008	.0853
#3	-0.0006	.0008	.0421	.0406	.0076	-0.0002	-0.0010	.0934

Check ? Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None
 High Limit
 Low Limit

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	F -.0023	F -.0038	F .0023	.0341	.0003	-0.0003	.0004
Stddev	.0001	.0018	.0008	.0043	.0007	.0007	.0001	.0000
%RSD	26.04	77.91	22.08	185.9	2.163	233.2	23.45	7.792
#1	-0.0005	-0.0007	-0.0030	.0009	.0333	.0010	-0.0003	.0004
#2	-0.0006	-0.0019	-0.0037	.0072	.0348	-0.0004	-0.0002	.0003
#3	-0.0004	-0.0043	-0.0046	-0.0011	.0342	.0003	-0.0003	.0004

Check ? Chk Pass Chk Fail Chk Fail Chk Fail None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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Sample Name: ALSIC Acquired: 4/25/2016 16:35:37 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	F -.0065	-0.0007	-0.0043
Stddev	.0021	.0002	.0003
%RSD	32.23	24.92	7.627
#1	-0.0053	-0.0005	-0.0040
#2	-0.0052	-0.0009	-0.0046
#3	-0.0089	-0.0007	-0.0043

Check ? Chk Fail Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2378.7	4992.1	39465.	3146.2
Stddev	3.0	5.5	69.	37.2
%RSD	.12655	.10945	.17501	1.1822
#1	2376.9	4996.5	39388.	3180.7
#2	2382.2	4986.0	39523.	3151.0
#3	2377.0	4993.8	39483.	3106.8

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Sample Name: CASIC Acquired: 4/25/2016 16:40:12 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	F.1254	-0.017	.0007	-0.004	499.9	-0.002	-0.003
Stddev	.0002	.0239	.0006	.0001	.0001	3.0	.0001	.0001
%RSD	84.16	19.03	32.89	9.669	25.78	.6077	57.23	24.00
#1	-0.003	.1520	-0.018	.0006	-0.005	501.0	-0.001	-0.003
#2	-0.001	.1181	-0.011	.0008	-0.003	502.1	-0.003	-0.004
#3	-0.006	.1060	-0.023	.0007	-0.004	496.4	-0.001	-0.002
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.0250						
Low Limit		-.0250						
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.005	.0001	.0221	-0.004	.0035	.0000	-0.004	.0275
Stddev	.0002	.0002	.0015	.0223	.0152	.0000	.0001	.0082
%RSD	38.18	304.8	6.592	503.8	433.6	38.71	20.30	29.67
#1	-0.006	.0001	.0214	.0064	.0090	.0000	-0.003	.0318
#2	-0.003	.0003	.0210	-.0301	-.0137	.0000	-0.005	.0326
#3	-0.006	-0.001	.0237	.0104	.0152	.0000	-0.004	.0181
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None
High Limit								
Low Limit								
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.008	-0.019	F.0028	.0125	-0.004	F.-0.011	-0.005
Stddev	.0004	.0011	.0010	.0020	.0003	.0002	.0001	.0000
%RSD	483.7	130.5	53.37	70.22	2.676	65.03	5.427	5.948
#1	.0000	-0.014	-0.030	.0013	.0122	-0.005	-0.011	-0.005
#2	-0.005	.0004	-0.010	.0021	.0128	-0.005	-0.012	-0.004
#3	.0003	-0.016	-0.016	.0051	.0124	-0.001	-0.011	-0.005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Fail	Chk Pass
High Limit				.0020			.0010	
Low Limit				-.0020			-.0010	

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Sample Name: CASIC Acquired: 4/25/2016 16:40:12 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Tl1908	V_2924	Zn2062	
Units	ppm	ppm	ppm	
Avg	-0.008	-0.006	-0.014	
Stddev	.0004	.0001	.0001	
%RSD	42.67	8.644	9.363	
#1	-0.012	-0.006	-0.016	
#2	-0.008	-0.006	-0.013	
#3	-0.005	-0.005	-0.014	
Check ?	Chk Pass	Chk Pass	Chk Pass	
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2239.0	4492.8	38199	3257.2
Stddev	5.8	5.9	113.	12.6
%RSD	.25901	.13205	.29569	.38581
#1	2237.2	4491.1	38186.	3260.3
#2	2245.5	4499.5	38092.	3243.4
#3	2234.3	4488.0	38317.	3268.0

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Sample Name: FESIC Acquired: 4/25/2016 16:44:52 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F.-0.014	.0008	-0.014	F.-0.014	-0.005	F.1528	.003	-0.005
Stddev	.0002	.0051	.0007	.0002	.0000	.0112	.0001	.0001
%RSD	11.52	625.8	51.03	13.65	8.080	7.345	19.24	14.70
#1	-0.016	-0.050	-0.006	-0.017	-0.005	.1638	.004	-0.004
#2	-0.014	.0040	-0.017	-0.013	-0.004	.1533	.002	-0.005
#3	-0.013	.0035	-0.019	-0.014	-0.005	.1414	.004	-0.005
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	.0010			.0010		.1000		
Low Limit	-.0010			-.0010		-.1000		
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	F.0021	194.6	-0.0290	-0.0375	-0.008	-0.002	.0284
Stddev	.0001	.0002	.6	.0325	.0351	.0000	.0001	.0041
%RSD	13.47	11.88	.3266	112.4	93.44	.9636	35.06	14.58
#1	.0008	.0018	194.9	-.0658	-.0762	-.0009	-0.002	.0296
#2	.0009	.0023	195.1	-.0042	-.0079	-0.008	-0.002	.0238
#3	.0007	.0021	193.9	-.0169	-.0284	-0.008	-0.003	.0318
Check ?	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None
High Limit		.0020						
Low Limit		-.0020						
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	F.-0.053	.0006	F.-0.0092	.0445	.0008	-0.004	-0.008
Stddev	.0002	.0005	.0013	.0009	.0005	.0003	.0001	.0001
%RSD	64.93	8.634	209.3	9.318	1.050	30.39	18.21	7.686
#1	-0.001	-0.058	.0021	-.0091	.0444	.0009	-0.005	-0.008
#2	-0.002	-0.052	-0.002	-.0100	.0449	.0005	-0.004	-0.007
#3	-0.004	-0.049	.0000	-.0083	.0440	.0010	-0.004	-0.007
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit		.0010		.0020				
Low Limit		-.0010		-.0020				

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Sample Name: FESIC Acquired: 4/25/2016 16:44:52 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Tl1908	V_2924	Zn2062	
Units	ppm	ppm	ppm	
Avg	F.0039	F.0017	.0049	
Stddev	.0003	.0003	.0001	
%RSD	8.703	17.28	1.431	
#1	.0041	.0018	.0049	
#2	.0040	.0014	.0049	
#3	.0035	.0020	.0048	
Check ?	Chk Fail	Chk Fail	Chk Pass	
High Limit	.0020	.0010		
Low Limit	-.0020	-.0010		
Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2680.8	4918.0	42234.	3347.5
Stddev	1.3	10.2	218.	10.8
%RSD	.04906	.20651	.51620	.32205
#1	2682.3	4912.3	41983.	3340.9
#2	2679.9	4929.7	42344.	3341.7
#3	2680.3	4912.0	42375.	3360.0

Raw Data MA13111 page 128 of 130

Sample Name: MGSIC Acquired: 4/25/2016 16:49:21 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	.0078	-.0015	-.0001	-.0003	F .1013	-.0002	-.0002
Stddev	.0005	.0036	.0002	.0002	.0000	.0034	.0001	.0001
%RSD	65.87	46.05	10.29	215.0	11.22	3.356	40.73	30.76
#1	.0013	.0082	-.0014	-.0002	-.0003	.1032	-.0003	-.0003
#2	.0008	.0040	-.0015	-.0002	-.0004	.1032	-.0002	-.0003
#3	.0003	.0112	-.0017	.0001	-.0004	.0973	-.0001	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.1000		
Low Limit						-.1000		
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	-.0002	.0489	-.0235	542.1	.0000	F -.0010	.0246
Stddev	.0003	.0002	.0077	.0331	1.3	.0001	.0001	.0042
%RSD	92.02	125.7	15.86	140.6	.2358	151.8	12.41	17.18
#1	-.0005	-.0004	.0571	-.0066	542.8	.0000	-.0010	.0214
#2	-.0003	.0001	.0479	-.0023	542.7	.0000	-.0012	.0294
#3	.0000	-.0002	.0417	-.0616	540.6	.0001	-.0009	.0231
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None
High Limit							.0010	
Low Limit							-.0010	
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	F .0014	.0003	.0001	.0064	.0002	-.0003	-.0003
Stddev	.0001	.0006	.0005	.0006	.0003	.0001	.0001	.0001
%RSD	51.52	42.13	174.1	694.5	4.669	63.24	25.31	31.04
#1	-.0001	.0017	-.0003	.0007	.0066	.0002	-.0003	-.0002
#2	-.0003	.0007	.0007	-.0001	.0061	.0003	-.0002	-.0003
#3	-.0003	.0019	.0004	-.0004	.0065	.0001	-.0003	-.0004
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit		.0010						
Low Limit		-.0010						

Raw Data MA13111 page 129 of 130

Sample Name: MGSIC Acquired: 4/25/2016 16:49:21 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Tl1908	V_2924	Zn2062	
Units	ppm	ppm	ppm	
Avg	-.0009	F -.0012	.0034	
Stddev	.0006	.0002	.0000	
%RSD	70.74	17.44	1.373	
#1	-.0002	-.0013	.0033	
#2	-.0012	-.0014	.0034	
#3	-.0013	-.0010	.0034	
Check ?	Chk Pass	Chk Fail	Chk Pass	
High Limit		.0010		
Low Limit		-.0010		
Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2250.1	4511.2	38372.	3263.7
Stddev	2.8	1.3	95.	23.1
%RSD	.12661	.02775	.24816	.70733
#1	2253.0	4512.6	38377.	3241.5
#2	2250.1	4510.3	38465.	3262.0
#3	2247.3	4510.6	38275.	3287.5

Raw Data MA13111 page 130 of 130

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000009	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000077	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000005	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000091	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000000	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000016	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000110	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000010	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000041	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000058	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000025	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	0.000028	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000035	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	-0.000013	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000007	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	-0.000186	0.588699	0.000000	1.000000
Al 396.152 {85}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.002556	0.232108	0.000000	1.000000
As 189.042 {478}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	-0.000686	0.158435	0.000000	1.000000
Ba 455.403 {74}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.004705	9.361625	0.000000	1.000000
Be 313.042 {108}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.004159	10.848845	0.000000	1.000000
Ca 317.933 {106}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.007266	0.255004	0.000000	1.000000
Cd 226.502 {449}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	-0.000354	4.399772	0.000000	1.000000
Co 228.616 {447}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.000051	2.491740	0.000000	1.000000
Cr 267.716 {126}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	-0.000072	0.500723	0.000000	1.000000
Cu 324.754 {104}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.006803	0.916554	0.000000	1.000000
Fe 259.940 {130}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.002268	0.158094	0.000000	1.000000
In 230.606 {446}*	4/25/2016 10:02:01	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 {44}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	-0.004222	0.104075	0.000000	1.000000
Mg 279.079 {121}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.000013	0.025635	0.000000	1.000000
Mn 257.610 {131}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.001380	2.630031	0.000000	1.000000
Mo 202.030 {467}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.001304	0.992446	0.000000	1.000000
Na 589.592 {57}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	-0.006897	0.418887	0.000000	1.000000
Ni 231.604 {445}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	-0.000142	1.464032	0.000000	1.000000
Pb 220.353 {453}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.000380	0.762795	0.000000	1.000000
Sb 206.833 {463}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.000851	0.233516	0.000000	1.000000
Se 196.090 {472}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	-0.000027	0.110395	0.000000	1.000000
Si 212.412 {459}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.005014	0.427575	0.000000	1.000000
Sn 189.989 {477}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.000509	0.346787	0.000000	1.000000
Sr 407.771 {83}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.007307	16.799602	0.000000	1.000000
Ti 334.941 {101}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.002320	1.947299	0.000000	1.000000
Tl 190.856 {477}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	-0.001314	0.244906	0.000000	1.000000
V 292.402 {115}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	-0.000356	0.666539	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 {94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 {91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.001501	2.035123	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999997	0.000013	0.000334	0.001113	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999830	0.006909	0.008349	0.027831	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999908	0.000173	0.000886	0.002952	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999939	0.008299	0.000262	0.000873	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999979	0.005618	0.000072	0.000240	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999904	0.005701	0.003545	0.011817	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999961	0.003135	0.000051	0.000168	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999963	0.001730	0.000099	0.000330	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999939	0.000446	0.000242	0.000807	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999982	0.000437	0.000199	0.000663	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999832	0.004664	0.002919	0.009731	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999810	0.003269	0.032633	0.108778	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999818	0.000788	0.022882	0.076274	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999835	0.003851	0.000040	0.000134	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999984	0.000449	0.000141	0.000471	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999810	0.013153	0.008442	0.028139	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999954	0.001127	0.000173	0.000576	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999854	0.001052	0.000618	0.002058	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999965	0.000157	0.000954	0.003180	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999956	0.000084	0.001808	0.006026	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.980269	0.006944	0.000375	0.001251	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999814	0.000539	0.000342	0.001138	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999992	0.005574	0.000093	0.000310	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999883	0.002401	0.000095	0.000317	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999969	0.000156	0.001114	0.003713	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999988	0.000262	0.000232	0.000772	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999978	0.001076	0.000081	0.000268	OK	1.000000	0.000000	1	0

Accutest Laboratories SE Metals Digestion Log Water

DOD +
MS

Method of digestion(circle one) SW846-3010A SW846-3005A / EPA 200.7 / SM3030C

MP #: 30157

Prep Date/Time (mm/dd/yy 24:00): 3/23/16 8:18

HotBlock I.D. 5

Thermometer I.D. 204

Correction Factor (°C) -1

Temperature Observed/Corrected (°C) 96.95

Added^B: HNO₃
Lot# 1115100

Volume
Spk. Sol. ^A Used(ml) Pipette #
ACC 938 | 0.50 | 10
ACC 894 | 0.25 | 10
Met 5301 | 0.25 | 10
Dig. Tube Lot#: J220204-201

HCL
4115080

Sample #	Initial Volume(ml)	pH<2	Final Volume(ml)	Comments
Method Blank(MB)	50.0	N/A	50.0	
Spike Blank(SB)		N/A		
Matrix Spike(MS)		✓		
Matrix Spike Dup(MSD)		✓		
Duplicate(DUP)		✓		
1 QC ^C FA32398-1 ^D 1		✓		
2 FA32431-1 7		✓		
3 2		✓		
4 3		✓		
5 4		✓		
6 5		✓		
7 6		✓		
8 6F 8		✓		LAB filtered on 3/2/16
9 FA32237-31 1		✓		
10 FA32238-16 1		✓		
11 FA32409-1 11		✓		
12 2 11		✓		
13 1F 12		✓		LAB filtered on 3/2/16
14 2F 12		✓		
15 ① FA32427-1 NA		✓		QC lot # PID85
16 2		✓		PID86
17 3		✓		PID87
18 4		✓		PID88
19 5		✓		PID89
20 6		✓		PID90
21 MB2A-3/21/16 NA		✓		
22 ^E				
23 ^E				
24 ^E	DB			

Analyst: [Signature]
QC Review: [Signature]

Date: 3/23/16
Date: 3-23-16

A Used for SB, MS, MSD
B For reagent volumes used consult SOP MET 103, current revision
C Parent sample used to prepare MS, MSD, DUP
D Bottle Number
E Additional matrix QC

7.4.1
7

DOD (MS)

Accutest Laboratories SE Metals Digestion Log Soil

5g.

MP #: 30269

Method of Digestion: SW846-3050B

Prep Date/Time (mm/dd/yy 24:00): 4/22/16 9:32 Spk. Sol. ^A Volume Used (ml) Pipette #
 HotBlock I.D. 6974CEC-W3279 ACC 938 1.00 ~~50~~ 10
 Thermometer I.D. 213 ACC 924 0.50 10
 Correction Factor (°C) -1 Met S377 0.50 10
 Temperature Observed/Corrected (°C) 93, 92 Filter Lot#: 150928009
 Balance I.D. ADVPRO3 Dig. Tube Lot# 1504103
 Added ^B: H₂O₂ HNO₃ HCL PTFE Boiling Chips
 Lot# 157487 1115100 4115100 R203-SK012

Sample #	Wt. g	Final Volume (ml)	Comments
Method Blank (MB)	5.00	100.0	
Spike Blank (SB)	5.00		
Matrix Spike (MS)	5.23		
Matrix Spike Dup (MSD)	5.13		
Duplicate (DUP)	5.30		
1 QC ^C FA32107-16 ^D	5.14		
2 D2 = FA32107-16	5.31		
3	19	5.10	
4	22	405.14	
5	23	5.20	
6 FA32237-1	5.36		
7	4	5.34	
8	7	5.09	
9	10	5.43	
10	13	5.10	
11	14	5.26	
12	19	5.06	
13	22	5.26	
14	25	5.31	
15	28	5.22	
16 FA32238-1	5.09		
17	4	5.35	
18	7	5.16	
19	10	5.06	
20			
21 ^E			
22 ^E			
23 ^E			
24 ^E	DB		

Analyst: DB

Date: 4/22/16

QC Review: [Signature]

Date: 4.22.16

A Used for SB, MS, MSD
 B For reagent volumes used consult SOP MET 104, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional Matrix QC

icpsolidigestionlog012010.xls

Rev 01/20/10 DM

* DB 4/22/16

7.4.2
7

5g
dry sieve
DOD (MS)

Accutest Laboratories SE Metals Digestion Log Soil

MP #: 30271

Method of Digestion: SW846-3050B

Prep Date/Time (mm/dd/yy 24:00): 4/25/16 8:47 Spk. Sol. ^A Volume Used (ml) Pipette #
 HotBlock I.D. 6974CECW3279 ACC938 1.00 10
 Thermometer I.D. 213 ACC924 0.50 10
 Correction Factor (°C) -1 MET5377 0.25 10
 Temperature Observed/Corrected (°C) 92.91 Filter Lot#: 150928009
 Balance I.D. ADVPR03 Dig. Tube Lot# 1504103
 Added ^B: H₂O₂ HNO₃ HCL PTFE Boiling Chips
 Lot# 157487 1115100 4115100 R263-SK012

Sample #	Wt. g	Final Volume (ml)	Comments
Method Blank (MB)	5.00	107.00	
Spike Blank (SB)	5.00		
Matrix Spike (MS)	5.08		
Matrix Spike Dup (MSD)	5.14		
Duplicate (DUP)	5.06		
1 QC ^C FA32238-13 ^D 1	5.38		
2	17	5.11	
3	20	5.36	
4	23	5.13	
5	26	5.27	
6	29	5.23	
7	FA32300-1	5.30	
8	4	5.12	
9	7	5.14	
10	10	5.05	
11	11	5.42	
12	16	5.35	
13	19	5.22	
14	22	5.44	
15	25	5.24	
16	28	5.22	
17	31	5.19	
18	34	5.28	
19	D2-FA32238-13	5.12	
20			
21 ^E			
22 ^E			
23 ^E			
24 ^E	DB		

Analyst: DB
 QC Review: [Signature]

Date: 4/25/16
 Date: 4.25.16

A Used for SB, MS, MSD
 B For reagent volumes used consult SOP MET 104, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional Matrix QC
 icpsoidigestionlog012010.xls

Rev 01/20/10 DM

7.4.3
7

SGS ACCUTEST IS PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.



*e-Hardcopy 2.0
Automated Report*

Technical Report for

Kemron Environmental Services, Inc

Ft Ord; CA

07202.2001

SGS Accutest Job Number: FA32306

Sampling Date: 03/14/16

Report to:

Kemron Environmental Services, Inc
4522 Joe Lloyd Way
Monterey, CA 93944
emiddleditch@gilbaneco.com

ATTN: Eric Middleditch

Total number of pages in report: 196



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Sue Bell 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001)
DoD ELAP (L-A-B L2229), CA (2937), TX (T104704404), PA (68-03573), VA (460177),
AK, AR, GA, KY, MA, NV, OK, UT, WA

This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.
Test results relate only to samples analyzed.

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Sample Summary

Kemron Environmental Services, Inc

Job No: FA32306

Ft Ord; CA

Project No: 07202.2001

Sample Number	Collected		Matrix Code	Received	Type	Client Sample ID
	Date	Time By				
FA32306-1	03/14/16	09:00 KLTR	03/16/16	SO	Soil	10-16SC0000
FA32306-4	03/14/16	09:45 KLTR	03/16/16	SO	Soil	10-04SC0000
FA32306-7	03/14/16	10:45 KLTR	03/16/16	SO	Soil	10-03SC0000
FA32306-10	03/14/16	12:50 KLTR	03/16/16	SO	Soil	10-15SC0000
FA32306-11	03/14/16	12:50 KLTR	03/16/16	SO	Soil	10-15SC0000Q
FA32306-16	03/14/16	08:30 KLTR	03/16/16	SO	Soil	10-23SC0000
FA32306-19	03/14/16	09:30 KLTR	03/16/16	SO	Soil	10-26SC0000
FA32306-22	03/14/16	10:50 KLTR	03/16/16	SO	Soil	10-20SC0000
FA32306-25	03/14/16	11:25 KLTR	03/16/16	SO	Soil	10-07SC0000
FA32306-28	03/14/16	13:35 KLTR	03/16/16	SO	Soil	33-10SC0000
FA32306-31	03/14/16	14:12 KLTR	03/16/16	SO	Soil	33-01SC0000
FA32306-34	03/14/16	15:05 KLTR	03/16/16	SO	Soil	33-11SC0000
FA32306-37	03/14/16	16:30 KLTR	03/16/16	AQ	Equipment Blank	33-ER-15SC

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

2

Client: Kemron Environmental Services, Inc

Job No: FA32306

Site: Ft Ord; CA

Report Date: 4/27/2016 1:46:23 PM

13 Sample(s) were collected on 03/14/2016 and were received at SGS Accutest Southeast (SASE) on 03/16/2016 properly preserved, at 12 Deg. C and intact. These Samples received an SASE job number of FA32306. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix: AQ

Batch ID: MP30160

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA32283-5MS, FA32283-5MSD, FA32283-5PS, FA32283-5SDL, FA32283-5DUP were used as the QC samples for metals.

RPD(s) for Duplicate for Lead are outside control limits for sample MP30160-D1. RPD acceptable due to low duplicate and sample concentrations.

Matrix: SO

Batch ID: MP30271

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA32238-13DUP, FA32238-13MS, FA32238-13MSD, FA32238-13SDL, FA32238-13PS were used as the QC samples for metals.

Matrix Spike Duplicate Recovery(s) for Lead are outside control limits. Probable cause is due to matrix interference.

MP30271-PS1 for Lead: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Kim Benham, Client Services (signature on file)

Date: April 27, 2016

Summary of Hits

Job Number: FA32306
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 03/14/16



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA32306-1	10-16SC0000					
Lead		28.6	1.9	0.38	mg/kg	SW846 6010C
FA32306-4	10-04SC0000					
Lead		16.1	2.0	0.39	mg/kg	SW846 6010C
FA32306-7	10-03SC0000					
Lead		146	1.9	0.39	mg/kg	SW846 6010C
FA32306-10	10-15SC0000					
Lead		49.7	2.0	0.40	mg/kg	SW846 6010C
FA32306-11	10-15SC0000Q					
Lead		47.3	1.8	0.37	mg/kg	SW846 6010C
FA32306-16	10-23SC0000					
Lead		4.9	1.9	0.37	mg/kg	SW846 6010C
FA32306-19	10-26SC0000					
Lead		13.0	1.9	0.38	mg/kg	SW846 6010C
FA32306-22	10-20SC0000					
Lead		6.2	1.8	0.37	mg/kg	SW846 6010C
FA32306-25	10-07SC0000					
Lead		9.4	1.9	0.38	mg/kg	SW846 6010C
FA32306-28	33-10SC0000					
Lead		133	1.9	0.38	mg/kg	SW846 6010C
FA32306-31	33-01SC0000					
Lead		566	3.9	0.77	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA32306
Account: Kemron Environmental Services, Inc
Project: Ft Ord; CA
Collected: 03/14/16



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
---------------	------------------	-----------------	-----	-----	-------	--------

FA32306-34 33-11SC0000

Lead		4.6	1.9	0.38	mg/kg	SW846 6010C
------	--	-----	-----	------	-------	-------------

FA32306-37 33-ER-15SC

No hits reported in this sample.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: 10-16SC0000	Date Sampled: 03/14/16
Lab Sample ID: FA32306-1	Date Received: 03/16/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.1
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	28.6	1.9	0.38	0.094	mg/kg	5	04/25/16	04/25/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13111

(2) Prep QC Batch: MP30271

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 10-04SC0000	Date Sampled: 03/14/16
Lab Sample ID: FA32306-4	Date Received: 03/16/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.2
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	16.1	2.0	0.39	0.098	mg/kg	5	04/25/16	04/25/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13111

(2) Prep QC Batch: MP30271

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 10-03SC0000	Date Sampled: 03/14/16
Lab Sample ID: FA32306-7	Date Received: 03/16/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.3
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	146	1.9	0.39	0.097	mg/kg	5	04/25/16	04/25/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13111

(2) Prep QC Batch: MP30271

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 10-15SC0000	Date Sampled: 03/14/16
Lab Sample ID: FA32306-10	Date Received: 03/16/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.4
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	49.7	2.0	0.40	0.099	mg/kg	5	04/25/16	04/25/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13111

(2) Prep QC Batch: MP30271

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 10-15SC0000Q	Date Sampled: 03/14/16
Lab Sample ID: FA32306-11	Date Received: 03/16/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.5
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	47.3	1.8	0.37	0.092	mg/kg	5	04/25/16	04/25/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13111

(2) Prep QC Batch: MP30271

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 10-23SC0000	Date Sampled: 03/14/16
Lab Sample ID: FA32306-16	Date Received: 03/16/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.6
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	4.9	1.9	0.37	0.093	mg/kg	5	04/25/16	04/25/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13111

(2) Prep QC Batch: MP30271

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 10-26SC0000	Date Sampled: 03/14/16
Lab Sample ID: FA32306-19	Date Received: 03/16/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.7
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	13.0	1.9	0.38	0.096	mg/kg	5	04/25/16	04/25/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13111

(2) Prep QC Batch: MP30271

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 10-20SC0000	Date Sampled: 03/14/16
Lab Sample ID: FA32306-22	Date Received: 03/16/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.8
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	6.2	1.8	0.37	0.092	mg/kg	5	04/25/16	04/25/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13111

(2) Prep QC Batch: MP30271

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 10-07SC0000	Date Sampled: 03/14/16
Lab Sample ID: FA32306-25	Date Received: 03/16/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.9
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	9.4	1.9	0.38	0.095	mg/kg	5	04/25/16	04/25/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13111

(2) Prep QC Batch: MP30271

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-10SC0000	Date Sampled: 03/14/16
Lab Sample ID: FA32306-28	Date Received: 03/16/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.10
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	133	1.9	0.38	0.096	mg/kg	5	04/25/16	04/25/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13111

(2) Prep QC Batch: MP30271

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SC0000	Date Sampled: 03/14/16
Lab Sample ID: FA32306-31	Date Received: 03/16/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.11
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	566	3.9	0.77	0.19	mg/kg	10	04/25/16	04/26/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13113

(2) Prep QC Batch: MP30271

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-11SC0000	Date Sampled: 03/14/16
Lab Sample ID: FA32306-34	Date Received: 03/16/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.12
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	4.6	1.9	0.38	0.095	mg/kg	5	04/25/16	04/25/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13111

(2) Prep QC Batch: MP30271

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-ER-15SC	Date Sampled: 03/14/16
Lab Sample ID: FA32306-37	Date Received: 03/16/16
Matrix: AQ - Equipment Blank	Percent Solids: n/a
Project: Ft Ord; CA	

4.13
4

Total Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.0 U	5.0	2.0	1.1	ug/l	1	03/24/16	03/24/16 LM	SW846 6010C ¹	SW846 3010A ²

(1) Instrument QC Batch: MA13055

(2) Prep QC Batch: MP30160

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Misc. Forms**Custody Documents and Other Forms**

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

KL-031416-01
COC # 1-8
FA32306



Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Analytical Test Method	SW8330B - Explosives	SW6010C - Lead	SW8330B - Explosives by ISM	SW6010C - Lead by ISM	Code Matrix
						SO SOIL
Equipment:						Code Container/Preservative
						2 2" 1L amber, 4 degrees C
						1 1" 1.0-1.5 kilogram bag
						13 1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016										
Sample ID	Matrix	Date	Time	Samp Init.				Location ID	Sample Type	Depth (ft bgs) Top - Bottom
1 16-16SC0000	SO	03/14/16	0900	KL			X	10-16	NL	0.0 0.5
2 10-16 SC0001			0910				X	10-16		1.0 1.5 HOLD
3 10-16 SC0002			0925				X	10-16		2.0 2.5 HOLD
4 10-04 SC0000			0945				X	10-04		0.0 0.5
5 10-04 SC0001			1000				X	10-04		1.0 1.5 HOLD
6 10-04 SC0002			1010				X	10-04		2.0 2.5 HOLD
7 10-03 SC0000			1045				X	10-03		0.0 0.5
8 10-03 SC0001			1055				X	10-03		1.0 1.5 HOLD
9 10-03 SC0002			1114				X	10-03		2.0 2.5 HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
KL Wong	3/15/16	1630	Fed Ex	3/15/16	1630	15MAR16 / FedEx / 8088 5917 3534
Jerry Ruben	3/15/16	1630	Fed Ex	3/15/16	1630	
				3/16/16	9:25	
						Received by Laboratory: (Signature, Date, Time) & condition
						③ 12.0 12.1 12.0

ENV COC Record July 06, 2015

5.1
5

FA32306: Chain of Custody
Page 1 of 7

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # KL-031416-02
FA32306



Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method	SW8330B - Explosives	SW6010C - Lead	SW8330B - Explosives by ISM	SW6010C - Lead by ISM	Code Matrix
							SO SOIL
							Code Container/Preservative
							2 2" 1L amber, 4 degrees C
							1 1" 1.0-1.5 kilogram bag
							13 1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016										
Sample ID	Matrix	Date	Time	Samp Init.				Location ID	Sample Type	Depth (ft bgs) Top - Bottom
10-15SC0000	So	03/14/16	1250	KL			X	10-15	N1	0.0 0.5
10-15SC0000 Q			1250				X	10-15	FD	0.0 0.5
10-15SC0001			1310				X	10-15	N1	1.0 1.5
10-15SC0001 Q			1310				X	10-15	FD	1.0 1.5
10-15SC0002			1340				X	10-15	N1	2.0 2.5
10-15SC0002 Q			1340				X	10-15	FD	2.0 2.5
10-23SC0000			0830	TR			X	10-23	N1	0.0 0.5
10-23SC0001			0845				X	10-23	N1	1.0 1.5
10-23SC0002			0900				X	10-23	N1	2.0 2.5

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
Kaleoni	3/15/16	1630	Fed Ex	3/15/16	1630	15MAR16 (FedEx) 8088 5917 3534
Jessica Rula	3/15/16	1630	Fed Ex	3/15/16	1630	
			SLJC	3/16/16	9:15	Received by Laboratory: (Signature, Date, Time) & condition

ENV COC Record
July 06, 2015

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5

FA32306: Chain of Custody
Page 2 of 7

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

16L-031416-03
COC # 1-8
FA32306



Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Analytical Test Method SW8330B - Explosives SW8610C - Lead SW8330B - Explosives by ISM SW8610C - Lead by ISM	Code Matrix								
		<table border="1"> <tr><td>SO</td><td>SOIL</td></tr> <tr><td>WQ</td><td>WATER QUALITY CONTROL MATRIX</td></tr> </table>	SO	SOIL	WQ	WATER QUALITY CONTROL MATRIX				
SO	SOIL									
WQ	WATER QUALITY CONTROL MATRIX									
Equipment:		<table border="1"> <tr><td>Code</td><td>Container/Preservative</td></tr> <tr><td>2</td><td>2" TL amber, 4 degrees C</td></tr> <tr><td>1</td><td>1" 1.0-1.5 kilogram bag</td></tr> <tr><td>13</td><td>1" 250ml poly, with HNO3</td></tr> </table>	Code	Container/Preservative	2	2" TL amber, 4 degrees C	1	1" 1.0-1.5 kilogram bag	13	1" 250ml poly, with HNO3
Code	Container/Preservative									
2	2" TL amber, 4 degrees C									
1	1" 1.0-1.5 kilogram bag									
13	1" 250ml poly, with HNO3									

Event ID: Basewide Range Assessment Spring 2016										
Sample ID	Matrix	Date	Time	Samp Init.				Location ID	Sample Type	Depth (ft bgs) Top - Bottom
191 10-26 SC0000	So	03/14/16	0930	TR			X	10-26	N1	0.0 0.5
202 10-26 SC0001			0945				X	10-26		1.0 1.5 Hold
213 10-26 SC0002			1000				X	10-26		2.0 2.5 Hold
224 10-20 SC0000			1050				X	10-20		0.0 0.5
225 10-20 SC0001			1100				X	10-20		1.0 1.5 Hold
226 10-20 SC0002			1105				X	10-20		2.0 2.5 Hold
227 10-07 SC0000			1125				X	10-07		0.0 0.5
228 10-07 SC0001			1132				X	10-07		1.0 1.5 Hold
229 10-07 SC0002			1145				X	10-07		2.0 2.5 Hold

Cooler #	Turnaround Time: 14 Days
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Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>Kaleoni</i>	3/15/16	1630	<i>FedEx</i>	3/15/16	1630	15MAR16 / FedEx / BOB55917 3534
<i>Jenara Ruka</i>	3/15/16	1630	<i>FedEx</i>	3/15/16	1630	
			<i>[Signature]</i>	3/15/16	9:15	

ENV COC Record
July 06, 2015

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FA32306: Chain of Custody
Page 3 of 7

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

KL-031416-04
COC # 1-8



FA32306

Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW8330B - Explosives SW8010C - Lead SW8330B - Explosives by ISM SW8010C - Lead by ISM	Code	Matrix
			SO	SOIL
			WQ	WATER QUALITY CONTROL MATRIX
			Code	Container/Preservative
			2	2" 1L amber, 4 degrees C
			1	1" 1.0-1.5 kilogram bag
			13	1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016											
Sample ID	Matrix	Date	Time	Samp Init.	2	13	1	1	Location ID	Sample Type	Depth (ft bgs) Top - Bottom
1 33-10 SC0000	SO	03/14/16	1335	TR				X	33-10	NI	0.0 0.5
2 33-10 SC0001			1345					X	33-10		1.0 1.5 HOLD
3 33-10 SC0002			1355					X	33-10		2.0 2.5 HOLD
4 33-01 SC0000			1412					X	33-01		0.0 0.5
5 33-01 SC0001			1420					X	33-01		1.0 1.5 HOLD
6 33-01 SC0002			1440					X	33-01		2.0 2.5 HOLD
7 33-11 SC0000			1505					X	33-11		0.0 0.5
8 33-11 SC0001			1520					X	33-11		1.0 1.5 HOLD
9 33-11 SC0002			1535					X	33-11		2.0 2.5 HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>K. Leonard</i>	3/15/16	1630	FedEx	3/15/16	1630	15MAR16 / FedEx / 8088 9917 3936
<i>Teresa Raba</i>	3/15/16	1630	<i>[Signature]</i>	3/16/16	9:15	Received by Laboratory: (Signature, Date, Time) & condition

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CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd, Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # KL-031416-05

FA32306



Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Analytical Test Method	SW8330B - Explosives	SW6010C - Lead	SW8330B - Explosives by ISM	SW6010C - Lead by ISM	Code	Matrix
						SO	SOIL
Equipment:						Code	Container/Preservative
						2	2" 1L amber, 4 degrees C
						1	1" 1.0-1.5 kilogram bag
						13	1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016									
Sample ID	Matrix	Date	Time	Samp Init.			Location ID	Sample Type	Depth (ft bgs) Top - Bottom
1	33-ER-155C	03/14/16	1630	TR	X		FIELD QC	EB	NA NA
2									
3									
4									
5									
6									
7									
8									
9									

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>VR Leonard</i>	3/15/16	1630	<i>FedEx</i>	3/15/16	1630	15MAR16/FedEx/8080 5417 3534
<i>Jason Rubin</i>	3/15/16	1630	<i>[Signature]</i>	3/14/16	9:15	Received by Laboratory: (Signature, Date, Time) & condition

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ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F132306 CLIENT: Gilbane PROJECT: Fort Ord
 DATE/TIME RECEIVED: 3/16/16 9:15 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 3
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER DELIVERY OTHER: _____
 AIRBILL NUMBERS: 8088 8917 8466

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM _____ 5-GRAM _____
 NUMBER OF 5035 FIELD KITS ? _____
 NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- IR THERM ID 1 CORR. FACTOR 10.2
- OBSERVED TEMPS: _____
- CORRECTED TEMPS: _____ (USED FOR LIMS)

SAMPLE INFORMATION

- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- % SOLIDS JAR NOT RECEIVED
- RESIDUAL CHLORINE PRESENT LOT# _____

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

TEST STRIP LOT#s pH 0-3 204413A pH 10-12 219813A OTHER (specify) _____

SUMMARY OF COMMENTS: Received with no ice

TECHNICIAN SIGNATURE/DATE: [Signature] 3/16/16 REVIEWER SIGNATURE/DATE: [Signature] 3/16/16
 NF 11/15 receipt confirmation 111015.xls

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3 of 5
MPS# 7826 0316 8666
Metri# 8088 8917 3534
WED - 16 MAR 10:30A
PRIORITY OVERNIGHT
0215
32811
FL-US MCO



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phone: 1-888-758-4676
UNV12113
MADE IN USA

QC Evaluation: DOD QSM5 Limits

Job Number: FA32306
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 03/14/16

QC Sample ID	CAS#	Analyte	Sample Result Type	Result Type	Result	Units	Limits
MP30160 SW846 6010C							
MP30160-B1	7439-92-1	Lead	BSP	REC	101.6	%	86-113
MP30160-S1*	7439-92-1	Lead	MS	REC	101	%	86-113
MP30160-S2*	7439-92-1	Lead	MSD	REC	100	%	86-113
MP30160-S2*	7439-92-1	Lead	MSD	RPD	1	%	20
MP30160-D1*	7439-92-1	Lead	DUP	RPD	200 ^a	%	20
MP30271 SW846 6010C							
MP30271-B1	7439-92-1	Lead	BSP	REC	100	%	81-112
MP30271-S1*	7439-92-1	Lead	MS	REC	111.8	%	81-112
MP30271-S2*	7439-92-1	Lead	MSD	REC	135 ^b	%	81-112
MP30271-S2*	7439-92-1	Lead	MSD	RPD	6.2	%	20
MP30271-D1*	7439-92-1	Lead	DUP	RPD	.5	%	20
MP30271-D2*	7439-92-1	Lead	DUP	RPD	.9	%	20

(a) RPD acceptable due to low duplicate and sample concentrations.

(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

* Sample used for QC is not from job FA32306

5.2
5

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32306
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032416M2.ICP Date Analyzed: 03/24/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13055
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:18	MA13055-STD1	1		STDA
09:23	MA13055-STD2	1		STDB
09:27	MA13055-STD3	1		STDC
09:31	MA13055-STD4	1		STDD
09:44	MA13055-HSTD1	1		
10:03	MA13055-ICV1	1		
10:11	MA13055-ICB1	1		
10:15	MA13055-CR1A1	1		
10:21	MA13055-ICSA1	1		
10:28	MA13055-ICSAB1	1		
10:36	MA13055-CCV1	1		
10:44	MA13055-CCB1	1		
11:33	MA13055-CCV2	1		
11:37	MA13055-CCB2	1		
11:46	MP30160-MB1	1		
11:52	MP30160-B1	1		
11:56	FA32283-5	1		(sample used for QC only; not part of login FA32306)
12:00	MP30160-D1	1		
12:05	MP30160-SD1	5		
12:09	MP30160-PS1	1		
12:14	MP30160-S1	1		
12:18	MP30160-S2	1		
12:23	ZZZZZZ	1		
12:28	MA13055-CCV3	1		
12:32	MA13055-CCB3	1		
12:36	ZZZZZZ	1		
12:41	ZZZZZZ	1		
12:47	MA13055-CCV4	1		
12:53	MA13055-CCB4	1		
12:56	ZZZZZZ	1		
13:01	ZZZZZZ	1		
13:06	ZZZZZZ	1		
13:10	ZZZZZZ	1		

6.1
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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32306
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032416M2.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 03/24/16
Run ID: MA13055
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:14	ZZZZZZ	1		
13:19	ZZZZZZ	1		
13:23	ZZZZZZ	1		
13:28	ZZZZZZ	1		
13:32	MA13055-CCV5	1		
13:52	MA13055-CCB5	1		
14:20	MA13055-ICV2	1		
14:26	MA13055-CCV6	1		
14:32	MA13055-CCB6	1		
14:36	ZZZZZZ	1		
14:40	ZZZZZZ	1		
14:45	ZZZZZZ	1		
14:49	FA32306-37	1		
----->	Last reportable sample/prep for job FA32306			
14:54	ZZZZZZ	1		
14:58	ZZZZZZ	1		
15:03	ZZZZZZ	1		
15:07	ZZZZZZ	1		
15:12	MP30162-MB1	1		
15:16	MP30162-B1	1		
15:21	MA13055-CCV7	1		
15:25	MA13055-CCB7	1		
15:29	FA32319-12	1		(sample used for QC only; not part of login FA32306)
15:34	MP30162-D1	1		
15:38	MP30162-SD1	5		
15:43	MP30162-PS1	1		
15:47	MP30162-S1	1		
15:51	MP30162-S2	1		
15:56	ZZZZZZ	1		
16:00	ZZZZZZ	1		
16:05	ZZZZZZ	1		
16:09	ZZZZZZ	1		
16:14	MA13055-CCV8	1		
16:18	MA13055-CCB8	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32306
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032416M2.ICP Date Analyzed: 03/24/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13055
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:22	ZZZZZZ	1		
16:27	ZZZZZZ	1		
16:31	ZZZZZZ	1		
16:36	ZZZZZZ	1		
16:40	ZZZZZZ	1		
16:45	ZZZZZZ	1		
16:49	ZZZZZZ	1		
16:54	ZZZZZZ	1		
16:58	ZZZZZZ	1		
17:03	ZZZZZZ	1		
17:07	MA13055-CCV9	1		
17:12	MA13055-CCB9	1		
17:16	ZZZZZZ	1		
17:21	ZZZZZZ	1		
17:25	ZZZZZZ	1		
17:30	ZZZZZZ	1		
17:34	ZZZZZZ	1		
17:39	MA13055-CRIA2	1		
17:43	MA13055-ICSA2	1		
17:48	MA13055-ICSAB2	1		
17:52	MA13055-CCV10	1		
17:56	MA13055-CCB10	1		

-----> Last reportable CCB for job FA32306
Refer to raw data for calibration curve and standards.

6.1
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INTERNAL STANDARD SUMMARY

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032416M2.ICP Date Analyzed: 03/24/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13055
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:18	MA13055-STD1	4578	39027	3487	2534
09:23	MA13055-STD2	4473	37987	3394	2389
09:27	MA13055-STD3	4285	36780	3336	2183
09:31	MA13055-STD4	4133	35647	3316	2027
09:44	MA13055-HSTD1	4066	35212	3233	1995
10:03	MA13055-ICV1	4264	36341	3346	2156
10:11	MA13055-ICB1	4519 R	38510 R	3390 R	2496 R
10:15	MA13055-CR1A1	4480	37716	3371	2424
10:21	MA13055-ICSA1	3880	32727	3124	1918
10:28	MA13055-ICSAB1	3868	32340	3065	1892
10:36	MA13055-CCV1	4261	36312	3233	2154
10:44	MA13055-CCB1	4520	38418	3334	2479
11:33	MA13055-CCV2	4297	36371	3247	2156
11:37	MA13055-CCB2	4556	38295	3271	2480
11:46	MP30160-MB1	4562	38792	3260	2492
11:52	MP30160-B1	4349	36594	3187	2253
11:56	FA32283-5	4010	33640	3118	2006
12:00	MP30160-D1	4027	33629	3110	2017
12:05	MP30160-SD1	4330	35941	3159	2251
12:09	MP30160-PS1	4031	33893	3085	2001
12:14	MP30160-S1	3993	33283	3025	1954
12:18	MP30160-S2	4037	33763	3054	1970
12:23	ZZZZZZ	4132	34256	3131	1968
12:28	MA13055-CCV3	4333	36387	3130	2154
12:32	MA13055-CCB3	4592	38575	3268	2465
12:36	ZZZZZZ	4144	34642	3119	2114
12:41	ZZZZZZ	4117	34511	3074	2092
12:47	MA13055-CCV4	4362	36520	3162	2164
12:53	MA13055-CCB4	4572	38204	3172	2458
12:56	ZZZZZZ	4242	35338	3101	2154
13:01	ZZZZZZ	4132	34218	3052	2019
13:06	ZZZZZZ	4201	35130	3104	2120
13:10	ZZZZZZ	4446	37348	3180	2309

6.1.1
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INTERNAL STANDARD SUMMARY

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032416M2.ICP Date Analyzed: 03/24/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13055
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:14	ZZZZZZ	4538	37697	3158	2368
13:19	ZZZZZZ	4448	36927	3137	2300
13:23	ZZZZZZ	4465	37169	3122	2319
13:28	ZZZZZZ	4675	39095	3243	2438
13:32	MA13055-CCV5	4434	36520	3108	2153
13:52	MA13055-CCB5	4751	39096	3211	2499
14:20	MA13055-ICV2	4423	36368	3071	2152
14:26	MA13055-CCV6	4399	36448	3048	2138
14:32	MA13055-CCB6	4699	38606	3132	2473
14:36	ZZZZZZ	4749	39651	3240	2455
14:40	ZZZZZZ	4598	38029	3113	2406
14:45	ZZZZZZ	5042	41585	3575	1974
14:49	FA32306-37	4574	37720	3100	2381
14:54	ZZZZZZ	4596	37980	3105	2376
14:58	ZZZZZZ	4512	37140	3065	2317
15:03	ZZZZZZ	4460	36681	3068	2252
15:07	ZZZZZZ	4535	37496	3107	2332
15:12	MP30162-MB1	4715	38876	3094	2456
15:16	MP30162-B1	4558	37010	3033	2251
15:21	MA13055-CCV7	4479	36832	3050	2149
15:25	MA13055-CCB7	4754	38819	3112	2462
15:29	FA32319-12	4646	38049	3047	2374
15:34	MP30162-D1	4662	38172	3017	2381
15:38	MP30162-SD1	4737	38430	3057	2445
15:43	MP30162-PS1	4595	37355	2989	2305
15:47	MP30162-S1	4538	36606	2966	2202
15:51	MP30162-S2	4542	36663	2967	2202
15:56	ZZZZZZ	4657	37990	3015	2353
16:00	ZZZZZZ	4794	39199	3077	2400
16:05	ZZZZZZ	4685	37895	3011	2367
16:09	ZZZZZZ	4701	38183	3040	2395
16:14	MA13055-CCV8	4507	36654	2987	2149
16:18	MA13055-CCB8	4762	38586	3072	2453

INTERNAL STANDARD SUMMARY

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032416M2.ICP Date Analyzed: 03/24/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13055
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:22	ZZZZZZ	4684	38210	3018	2412
16:27	ZZZZZZ	4716	38393	3050	2388
16:31	ZZZZZZ	4543	37000	2966	2291
16:36	ZZZZZZ	4491	36638	2993	2211
16:40	ZZZZZZ	4952	40457	3209	2410
16:45	ZZZZZZ	4690	38292	3031	2412
16:49	ZZZZZZ	4615	37678	3010	2362
16:54	ZZZZZZ	4768	39043	3114	2406
16:58	ZZZZZZ	4648	38119	3023	2383
17:03	ZZZZZZ	4690	38336	3013	2419
17:07	MA13055-CCV9	4535	36840	3021	2170
17:12	MA13055-CCB9	4771	38885	3088	2465
17:16	ZZZZZZ	4690	38264	3050	2381
17:21	ZZZZZZ	4567	37486	2990	2312
17:25	ZZZZZZ	4633	37766	2994	2353
17:30	ZZZZZZ	4593	37511	2991	2351
17:34	ZZZZZZ	4629	37831	3019	2363
17:39	MA13055-CRIA2	4746	38432	3092	2421
17:43	MA13055-ICSA2	4112	32885	2845	1919
17:48	MA13055-ICSAB2	4074	32773	2798	1886
17:52	MA13055-CCV10	4492	36774	2979	2153
17:56	MA13055-CCB10	4764	38708	3097	2467

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

<u>Istd#</u>	<u>Parameter</u>	<u>Limits</u>
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.1.1
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032416M2.ICP
 QC Limits: result < RL

Date Analyzed: 03/24/16
 Run ID: MA13055

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		10:11		10:44		11:37		12:32		
	Sample ID:	RL	IDL	ICB1	final	CCB1	final	CCB2	final	CCB3	final
Aluminum	200	14	anr								
Antimony	6.0	1	anr								
Arsenic	10	1.3	anr								
Barium	200	1	anr								
Beryllium	4.0	.2	anr								
Cadmium	5.0	.2	anr								
Calcium	1000	50	anr								
Chromium	10	1	anr								
Cobalt	50	.2	anr								
Copper	25	1	anr								
Iron	300	17	anr								
Lead	5.0	1	0.40	<5.0	0.40	<5.0	0.30	<5.0	0.30	<5.0	
Magnesium	5000	35	anr								
Manganese	15	.5	anr								
Molybdenum	50	.3	anr								
Nickel	40	.4	anr								
Potassium	10000	200	anr								
Selenium	10	2.4	anr								
Silver	10	.7	anr								
Sodium	10000	500	anr								
Strontium	10	.5									
Thallium	10	1.1	anr								
Tin	50	.9									
Titanium	10	.5									
Vanadium	50	.5	anr								
Zinc	20	3	anr								

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032416M2.ICP
 QC Limits: result < RL

Date Analyzed: 03/24/16
 Run ID: MA13055

Methods: SW846 6010C
 Units: ug/l

Metal	RL	IDL	Time:							
			Sample ID:	12:53 CCB4	13:52 CCB5	14:32 CCB6	15:25 CCB7	raw	final	raw
Aluminum	200	14	anr							
Antimony	6.0	1	anr							
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2	anr							
Cadmium	5.0	.2	anr							
Calcium	1000	50	anr							
Chromium	10	1	anr							
Cobalt	50	.2	anr							
Copper	25	1	anr							
Iron	300	17	anr							
Lead	5.0	1	0.20	<5.0	0.40	<5.0	-0.10	<5.0	-0.10	<5.0
Magnesium	5000	35	anr							
Manganese	15	.5	anr							
Molybdenum	50	.3	anr							
Nickel	40	.4	anr							
Potassium	10000	200	anr							
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.1	anr							
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032416M2.ICP
 QC Limits: result < RL

Date Analyzed: 03/24/16
 Run ID: MA13055

Methods: SW846 6010C
 Units: ug/l

Metal	RL	IDL	Time:					
			Sample ID:	16:18	17:12	17:56		
			CCB8	CCB9	CCB10			
			raw	final	raw	final	raw	final
Aluminum	200	14	anr					
Antimony	6.0	1	anr					
Arsenic	10	1.3	anr					
Barium	200	1	anr					
Beryllium	4.0	.2	anr					
Cadmium	5.0	.2	anr					
Calcium	1000	50	anr					
Chromium	10	1	anr					
Cobalt	50	.2	anr					
Copper	25	1	anr					
Iron	300	17	anr					
Lead	5.0	1	0.10	<5.0	-0.10	<5.0	-0.30	<5.0
Magnesium	5000	35	anr					
Manganese	15	.5	anr					
Molybdenum	50	.3	anr					
Nickel	40	.4	anr					
Potassium	10000	200	anr					
Selenium	10	2.4	anr					
Silver	10	.7	anr					
Sodium	10000	500	anr					
Strontium	10	.5						
Thallium	10	1.1	anr					
Tin	50	.9						
Titanium	10	.5						
Vanadium	50	.5	anr					
Zinc	20	3	anr					

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
 6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32306
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032416M2.ICP Date Analyzed: 03/24/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13055 Units: ug/l

Metal	Time: Sample ID: ICV	10:03		CCV True	10:36		CCV True	11:33	
		ICV1	Results % Rec		CCV1	Results % Rec		CCV2	Results % Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	2040	102.0	2000	2020	101.0	2000	2010	100.5
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32306
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032416M2.ICP Date Analyzed: 03/24/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13055 Units: ug/l

Metal	Sample ID	CCV	12:28		12:47		13:32		
			CCV3	% Rec	CCV4	% Rec	CCV5	% Rec	
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	2010	100.5	2000	1990	99.5	2000	1980	99.0
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32306
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032416M2.ICP Date Analyzed: 03/24/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13055 Units: ug/l

Metal	Time: Sample ID: ICV True	14:20		CCV True	14:26		CCV True	15:21	
		ICV2 Results	% Rec		CCV6 Results	% Rec		CCV7 Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	2010	100.5	2000	2020	101.0	2000	1990	99.5
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32306
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032416M2.ICP Date Analyzed: 03/24/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13055 Units: ug/l

Metal	Sample ID	CCV	16:14		CCV	17:07		CCV	17:52	
			CCV8	Results		CCV9	Results		CCV10	Results
		True	% Rec		True	% Rec		True	% Rec	
Aluminum		anr								
Antimony		anr								
Arsenic		anr								
Barium		anr								
Beryllium		anr								
Cadmium		anr								
Calcium		anr								
Chromium		anr								
Cobalt		anr								
Copper		anr								
Iron		anr								
Lead	2000	2000	1980	99.0	2000	1980	99.0	2000	1980	99.0
Magnesium		anr								
Manganese		anr								
Molybdenum		anr								
Nickel		anr								
Potassium		anr								
Selenium		anr								
Silver		anr								
Sodium		anr								
Strontium										
Thallium		anr								
Tin										
Titanium										
Vanadium		anr								
Zinc		anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032416M2.ICP Date Analyzed: 03/24/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13055 Units: ug/l

Time:	09:44		
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	4070	4070	101.8
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032416M2.ICP Date Analyzed: 03/24/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13055 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	10:15 CRIA1 Results	% Rec	17:39 CRIA2 Results	% Rec
Metal						
Aluminum	400	200	anr			
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	5.4	108.0	4.9	98.0
Magnesium	10000	5000	anr			
Manganese	30	15	anr			
Molybdenum	100	50	anr			
Nickel	80	40	anr			
Potassium	20000	10000	anr			
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	anr			
Zinc	40	20	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA32306
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032416M2.ICP Date Analyzed: 03/24/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13055 Units: ug/l

Time:	10:21	10:28	17:43	17:48						
Sample ID:	ICSAB	ICSAB1	ICSA2	ICSAB2						
Metal	True	True	Results	Results						
			% Rec	% Rec						
Aluminum	500000	500000	510000	102.0	514000	102.8	518000	103.6	528000	105.6
Antimony		1000	0.80		1030	103.0	-0.20		1020	102.0
Arsenic		1000	0.10		1110	111.0	3.4		1080	108.0
Barium		500	0.20		523	104.6	0.10		540	108.0
Beryllium		500	-0.30		519	103.8	-0.10		520	104.0
Cadmium		1000	0.10		978	97.8	-2.1		951	95.1
Calcium	500000	500000	494000	98.8	496000	99.2	502000	100.4	510000	102.0
Chromium		500	0.0		520	104.0	0.20		515	103.0
Cobalt		500	-0.30		483	96.6	0.0		480	96.0
Copper		500	0.0		545	109.0	0.60		564	112.8
Iron	200000	200000	190000	95.0	194000	97.0	190000	95.0	195000	97.5
Lead		1000	-0.20		963	96.3	0.80		951	95.1
Magnesium	500000	500000	531000	106.2	539000	107.8	542000	108.4	550000	110.0
Manganese		500	-0.30		523	104.6	-0.60		508	101.6
Molybdenum		1000	0.70		958	95.8	0.70		950	95.0
Nickel		1000	-0.10		972	97.2	0.80		944	94.4
Potassium			-42		17.9		80.6		69.3	
Selenium		1000	-1.2		1020	102.0	3.2		1010	101.0
Silver		1000	-0.30		1040	104.0	-0.10		1060	106.0
Sodium			115		136		131		140	
Strontium		1000	-0.40		1040	104.0	0.0		1030	103.0
Thallium		1000	0.0		947	94.7	-2.4		932	93.2
Tin		1000	0.90		943	94.3	1.4		948	94.8
Titanium		1000	0.50		983	98.3	0.60		965	96.5
Vanadium		500	0.60		479	95.8	1.9		468	93.6
Zinc		1000	-3.7		988	98.8	-4.9		936	93.6

(*) Outside of QC limits
(anr) Analyte not requested

6.1.6
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32306
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042516M1.ICP Date Analyzed: 04/25/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13111
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:09	MA13111-STD1	1		STDA
09:13	MA13111-STD2	1		STDB
09:18	MA13111-STD3	1		STDC
09:24	MA13111-STD4	1		STDD
09:29	MA13111-HSTD1	1		
09:36	MA13111-ICV1	1		
09:44	MA13111-ICB1	1		
09:50	MA13111-CR1A1	1		
09:56	MA13111-ICSA1	1		
10:02	MA13111-ICSAB1	1		
10:08	MA13111-CCV1	1		
10:17	MA13111-CCB1	1		
10:21	ZZZZZZ	200		
10:26	ZZZZZZ	125		
10:31	ZZZZZZ	50		
10:35	ZZZZZZ	250		
10:40	ZZZZZZ	100		
10:49	ZZZZZZ	100		
10:53	ZZZZZZ	200		
10:58	ZZZZZZ	200		
11:02	ZZZZZZ	200		
11:07	MA13111-CCV2	1		
11:11	MA13111-CCB2	1		
11:15	ZZZZZZ	200		
11:20	ZZZZZZ	100		
11:29	ZZZZZZ	200		
11:33	ZZZZZZ	100		
11:38	ZZZZZZ	200		
11:42	ZZZZZZ	200		
11:47	ZZZZZZ	200		
11:51	ZZZZZZ	1		
11:56	ZZZZZZ	200		
12:00	MA13111-CCV3	1		

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32306
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042516M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 04/25/16
Run ID: MA13111
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:07	MA13111-CCB3	1		
12:12	ZZZZZZ	500		
12:16	MP30270-MB1	1		
12:21	MP30270-B1	1		
12:52	ZZZZZZ	1		
12:56	MA13111-CCV4	1		
13:00	MA13111-CCB4	1		
13:05	ZZZZZZ	1		
13:09	ZZZZZZ	1		
13:14	ZZZZZZ	1		
13:18	ZZZZZZ	1		
13:22	ZZZZZZ	1		
13:27	ZZZZZZ	1		
13:31	ZZZZZZ	1		
13:35	ZZZZZZ	1		
13:39	ZZZZZZ	1		
13:44	ZZZZZZ	1		
13:48	MA13111-CCV5	1		
13:52	MA13111-CCB5	1		
13:57	ZZZZZZ	1		
14:02	MP30271-MB1	5		
14:06	MP30271-B1	5		
14:10	FA32238-13	5		(sample used for QC only; not part of login FA32306)
14:15	MP30271-D1	5		
14:28	MP30271-S1	5		
14:32	MP30271-S2	5		
14:37	ZZZZZZ	5		
14:41	MA13111-CCV6	1		
14:45	MA13111-CCB6	1		
14:50	ZZZZZZ	5		
14:54	ZZZZZZ	5		
14:58	ZZZZZZ	5		
15:03	ZZZZZZ	5		

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32306
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042516M1.ICP Date Analyzed: 04/25/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13111
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:07	FA32306-1	5		
15:12	FA32306-4	5		
15:16	FA32306-7	5		
15:20	FA32306-10	5		
15:25	FA32306-11	5		
15:29	FA32306-16	5		
15:34	MA13111-CCV7	1		
15:38	MA13111-CCB7	1		
15:42	FA32306-19	5		
15:47	FA32306-22	5		
15:51	FA32306-25	5		
15:55	FA32306-28	5		
16:04	FA32306-34	5		
16:08	MP30271-D2	5		
----->	Last reportable sample/prep for job FA32306			
16:13	MA13111-CRIA2	1		
16:17	MA13111-ICSA2	1		
16:22	MA13111-ICSAB2	1		
16:26	MA13111-CCV8	1		
16:31	MA13111-CCB8	1		
----->	Last reportable CCB for job FA32306			
16:53	MA13111-CCV9	1		
16:58	MA13111-CCB9	1		

Refer to raw data for calibration curve and standards.

6.2
6

INTERNAL STANDARD SUMMARY

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042516M1.ICP Date Analyzed: 04/25/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13111
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:09	MA13111-STD1	5008	43397	3460	2748
09:13	MA13111-STD2	4929	42387	3447	2561
09:18	MA13111-STD3	4773	40690	3401	2330
09:24	MA13111-STD4	4551	39198	3263	2135
09:29	MA13111-HSTD1	4524	39057	3260	2121
09:36	MA13111-ICV1	4717	39798	3274	2286
09:44	MA13111-ICB1	4965 R	42402 R	3365 R	2705 R
09:50	MA13111-CRIA1	4928	41495	3352	2619
09:56	MA13111-ICSA1	4364	36719	3200	2040
10:02	MA13111-ICSAB1	4350	36476	3166	2014
10:08	MA13111-CCV1	4717	40489	3339	2320
10:17	MA13111-CCB1	4962	42728	3482	2749
10:21	ZZZZZZ	4806	41007	3421	2545
10:26	ZZZZZZ	4841	41320	3460	2560
10:31	ZZZZZZ	4801	40820	3441	2503
10:35	ZZZZZZ	4859	41473	3457	2572
10:40	ZZZZZZ	4830	41057	3438	2527
10:49	ZZZZZZ	4847	41317	3471	2539
10:53	ZZZZZZ	4807	40952	3432	2515
10:58	ZZZZZZ	4737	40526	3403	2475
11:02	ZZZZZZ	4839	41422	3465	2570
11:07	MA13111-CCV2	4735	40871	3385	2327
11:11	MA13111-CCB2	4947	42925	3468	2727
11:15	ZZZZZZ	4829	41097	3452	2524
11:20	ZZZZZZ	4853	41342	3453	2547
11:29	ZZZZZZ	4843	41369	3453	2574
11:33	ZZZZZZ	4813	40768	3392	2523
11:38	ZZZZZZ	4814	41364	3470	2518
11:42	ZZZZZZ	4842	41639	3454	2572
11:47	ZZZZZZ	4869	41335	3451	2561
11:51	ZZZZZZ	4842	41868	3401	2587
11:56	ZZZZZZ	4840	41533	3472	2556
12:00	MA13111-CCV3	4706	40450	3391	2314

INTERNAL STANDARD SUMMARY

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042516M1.ICP Date Analyzed: 04/25/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13111
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:07	MA13111-CCB3	4930	42360	3392	2722
12:12	ZZZZZZ	4853	41551	3419	2567
12:16	MP30270-MB1	4892	43380	3492	2715
12:21	MP30270-B1	4833	41662	3453	2463
12:52	ZZZZZZ	6109	52277	4190	2477
12:56	MA13111-CCV4	4740	40885	3403	2337
13:00	MA13111-CCB4	4978	43260	3490	2748
13:05	ZZZZZZ	6901 !	58383 !	4739 !	2511
13:09	ZZZZZZ	5420	45073	3664	2493
13:14	ZZZZZZ	5550	45744	3731	2474
13:18	ZZZZZZ	6827 !	57947 !	4672 !	2495
13:22	ZZZZZZ	6135	51081	4176	2478
13:27	ZZZZZZ	5900	49474	3999	2526
13:31	ZZZZZZ	6302 !	53181 !	4279 !	2518
13:35	ZZZZZZ	6406 !	53775 !	4368 !	2503
13:39	ZZZZZZ	7069 !	59839 !	4822 !	2480
13:44	ZZZZZZ	5874	49519	3989	2451
13:48	MA13111-CCV5	4729	40473	3315	2329
13:52	MA13111-CCB5	5006	43217	3472	2752
13:57	ZZZZZZ	4518	38978	3347	2148
14:02	MP30271-MB1	5053	43701	3433	2763
14:06	MP30271-B1	4989	42895	3397	2647
14:10	FA32238-13	5067	43225	3469	2579
14:15	MP30271-D1	5066	43412	3479	2600
14:28	MP30271-S1	5035	42767	3410	2532
14:32	MP30271-S2	5004	42625	3450	2528
14:37	ZZZZZZ	5055	43072	3458	2612
14:41	MA13111-CCV6	4749	40665	3314	2336
14:45	MA13111-CCB6	5040	43314	3395	2771
14:50	ZZZZZZ	5048	43124	3439	2582
14:54	ZZZZZZ	5073	43409	3459	2590
14:58	ZZZZZZ	5064	42957	3429	2577
15:03	ZZZZZZ	5100	42999	3430	2562

INTERNAL STANDARD SUMMARY

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042516M1.ICP Date Analyzed: 04/25/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13111
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:07	FA32306-1	5084	43255	3450	2586
15:12	FA32306-4	5157	43602	3445	2612
15:16	FA32306-7	5099	43312	3439	2521
15:20	FA32306-10	5086	43353	3445	2584
15:25	FA32306-11	5121	43516	3457	2610
15:29	FA32306-16	5058	43373	3380	2652
15:34	MA13111-CCV7	4809	40889	3307	2352
15:38	MA13111-CCB7	5053	43276	3402	2760
15:42	FA32306-19	5071	43455	3409	2661
15:47	FA32306-22	5090	43222	3406	2633
15:51	FA32306-25	5140	43344	3387	2640
15:55	FA32306-28	5046	43383	3390	2663
16:04	FA32306-34	5121	43254	3391	2622
16:08	MP30271-D2	5130	43348	3363	2630
16:13	MA13111-CRIA2	5014	42578	3385	2659
16:17	MA13111-ICSA2	4444	36807	3105	2058
16:22	MA13111-ICSAB2	4377	36405	3073	2012
16:26	MA13111-CCV8	4789	41057	3277	2335
16:31	MA13111-CCB8	4975	42845	3385	2715
16:53	MA13111-CCV9	4745	40379	3279	2315
16:58	MA13111-CCB9	5038	43063	3366	2751

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.2.1
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042516M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/25/16
 Run ID: MA13111

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		09:44		10:17		11:11		12:07		
	Sample ID:	RL	IDL	ICB1	final	CCB1	final	CCB2	final	CCB3	final
Aluminum	200	14									
Antimony	6.0	1									
Arsenic	10	1.3	anr								
Barium	200	1	anr								
Beryllium	4.0	.2	anr								
Cadmium	5.0	.2	anr								
Calcium	1000	50	anr								
Chromium	10	1	anr								
Cobalt	50	.2									
Copper	25	1									
Iron	300	17									
Lead	5.0	1	0.30	<5.0	0.20	<5.0	-0.20	<5.0	-0.60	<5.0	
Magnesium	5000	35	anr								
Manganese	15	.5									
Molybdenum	50	.3									
Nickel	40	.4									
Potassium	10000	200									
Selenium	10	2.4	anr								
Silver	10	.7	anr								
Sodium	10000	500	anr								
Strontium	10	.5									
Thallium	10	1.1									
Tin	50	.9									
Titanium	10	.5									
Vanadium	50	.5									
Zinc	20	3									

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042516M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/25/16
 Run ID: MA13111

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		13:00		13:52		14:45		15:38		
	Sample ID:	RL	IDL	CCB4	final	CCB5	final	CCB6	final	CCB7	final
Aluminum	200	14									
Antimony	6.0	1									
Arsenic	10	1.3	anr								
Barium	200	1	anr								
Beryllium	4.0	.2	anr								
Cadmium	5.0	.2	anr								
Calcium	1000	50	anr								
Chromium	10	1	anr								
Cobalt	50	.2									
Copper	25	1									
Iron	300	17									
Lead	5.0	1	0.40	<5.0	0.20	<5.0	0.40	<5.0	0.20	<5.0	
Magnesium	5000	35	anr								
Manganese	15	.5									
Molybdenum	50	.3									
Nickel	40	.4									
Potassium	10000	200									
Selenium	10	2.4	anr								
Silver	10	.7	anr								
Sodium	10000	500	anr								
Strontium	10	.5									
Thallium	10	1.1									
Tin	50	.9									
Titanium	10	.5									
Vanadium	50	.5									
Zinc	20	3									

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042516M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/25/16
 Run ID: MA13111

Methods: SW846 6010C
 Units: ug/l

Time: Sample ID:	RL	IDL	16:31 CCB8 raw	final
Metal				
Aluminum	200	14		
Antimony	6.0	1		
Arsenic	10	1.3	anr	
Barium	200	1	anr	
Beryllium	4.0	.2	anr	
Cadmium	5.0	.2	anr	
Calcium	1000	50	anr	
Chromium	10	1	anr	
Cobalt	50	.2		
Copper	25	1		
Iron	300	17		
Lead	5.0	1	-0.30	<5.0
Magnesium	5000	35	anr	
Manganese	15	.5		
Molybdenum	50	.3		
Nickel	40	.4		
Potassium	10000	200		
Selenium	10	2.4	anr	
Silver	10	.7	anr	
Sodium	10000	500	anr	
Strontium	10	.5		
Thallium	10	1.1		
Tin	50	.9		
Titanium	10	.5		
Vanadium	50	.5		
Zinc	20	3		

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32306
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042516M1.ICP Date Analyzed: 04/25/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13111 Units: ug/l

Metal	Time:		09:36		10:08		11:07		
	Sample ID:	ICV	ICV1	CCV	CCV1	CCV	CCV2		
	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper									
Iron									
Lead	2000	2040	102.0	2000	2030	101.5	2000	2030	101.5
Magnesium	anr								
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32306
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042516M1.ICP Date Analyzed: 04/25/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13111 Units: ug/l

Metal	Sample ID	Time: CCV True	12:00 CCV3		12:56 CCV4		13:48 CCV5		
			Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum									
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper									
Iron									
Lead	2000	2060	103.0	2000	2050	102.5	2000	2070	103.5
Magnesium	anr								
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32306
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042516M1.ICP Date Analyzed: 04/25/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13111 Units: ug/l

Metal	Time:		14:41		15:34		16:26		
	Sample ID:	CCV	CCV6	CCV	CCV7	CCV	CCV8		
	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper									
Iron									
Lead	2000	2030	101.5	2000	2030	101.5	2000	2020	101.0
Magnesium	anr								
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042516M1.ICP Date Analyzed: 04/25/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13111 Units: ug/l

Time:	09:29
Sample ID: HSTD	HSTD1
Metal	True
Results	% Rec

Aluminum			
Antimony			
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt			
Copper			
Iron			
Lead	4000	4060	101.5
Magnesium	anr		
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042516M1.ICP Date Analyzed: 04/25/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13111 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	09:50 CRIA1 Results	% Rec	16:13 CRIA2 Results	% Rec
Metal						
Aluminum	400	200				
Antimony	10	5.0				
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25				
Iron	600	300				
Lead	10	5.0	5.1	102.0	5.3	106.0
Magnesium	10000	5000	anr			
Manganese	30	15				
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000				
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20				

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA32306
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042516M1.ICP Date Analyzed: 04/25/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13111 Units: ug/l

Time:	09:56	10:02	16:17	16:22						
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2						
Metal	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum	500000	500000	504000	100.8	503000	100.6	509000	101.8	509000	101.8
Antimony		1000	-0.20		1040	104.0	0.70		1030	103.0
Arsenic		1000	-0.70		1110	111.0	-2.2		1100	110.0
Barium		500	-0.20		527	105.4	-0.50		536	107.2
Beryllium		500	-0.40		522	104.4	-0.40		523	104.6
Cadmium		1000	0.60		984	98.4	-0.10		981	98.1
Calcium	500000	500000	486000	97.2	485000	97.0	503000	100.6	498000	99.6
Chromium		500	-0.50		519	103.8	-0.60		521	104.2
Cobalt		500	-0.50		484	96.8	-0.30		486	97.2
Copper		500	0.50		551	110.2	0.60		556	111.2
Iron	200000	200000	188000	94.0	190000	95.0	190000	95.0	191000	95.5
Lead		1000	0.0		985	98.5	-3.6		987	98.7
Magnesium	500000	500000	523000	104.6	521000	104.2	535000	107.0	531000	106.2
Manganese		500	-0.70		521	104.2	-0.80		519	103.8
Molybdenum		1000	0.0		961	96.1	-0.10		963	96.3
Nickel		1000	-0.10		979	97.9	0.50		974	97.4
Potassium			11.5		32.1		70.7		46.7	
Selenium		1000	0.0		1040	104.0	-3.3		1040	104.0
Silver		1000	-0.20		1050	105.0	-0.30		1060	106.0
Sodium			135		161		129		142	
Strontium		1000	-0.30		1020	102.0	-0.30		1040	104.0
Thallium		1000	-1.9		968	96.8	-1.8		966	96.6
Tin		1000	1.1		947	94.7	1.4		954	95.4
Titanium		1000	-0.10		1020	102.0	0.0		1020	102.0
Vanadium		500	0.80		484	96.8	0.90		483	96.6
Zinc		1000	-2.2		974	97.4	-2.5		986	98.6

(*) Outside of QC limits
(anr) Analyte not requested

6.2.6
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32306
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042616M1.ICP Date Analyzed: 04/26/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13113
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:59	MA13113-STD1	1		STDA
09:03	MA13113-STD2	1		STDB
09:07	MA13113-STD3	1		STDC
09:10	MA13113-STD4	1		STDD
09:14	MA13113-HSTD1	1		
09:22	MA13113-ICV1	1		
09:30	MA13113-ICB1	1		
09:34	MA13113-CR1A1	1		
09:40	MA13113-ICSA1	1		
09:46	MA13113-ICSAB1	1		
09:52	MA13113-CCV1	1		
09:58	MA13113-CCB1	1		
10:03	FA33351-1	10		(sample used for QC only; not part of login FA32306)
10:07	MP30270-D1	10		
10:12	MP30270-S1	10		
10:16	MP30270-S2	10		
10:20	MP30270-PS1	10		
10:25	MP30270-SD1	50		
10:29	ZZZZZZ	4		
10:34	ZZZZZZ	4		
10:38	ZZZZZZ	2		
10:42	ZZZZZZ	2		
10:47	MA13113-CCV2	1		
10:51	MA13113-CCB2	1		
10:55	ZZZZZZ	4		
11:00	ZZZZZZ	2		
11:04	MP30271-SD1	25		
11:09	MP30271-PS1	5		
11:13	FA32306-31	10		
----->	Last reportable sample/prep for job FA32306			
11:18	MA13113-CCV3	1		
11:22	MA13113-CCB3	1		
11:33	MP30276-MB1	1		
11:37	MP30276-B1	1		

6.3
9

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32306
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042616M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 04/26/16
Run ID: MA13113
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:41	FA33305-2	1		(sample used for QC only; not part of login FA32306)
11:46	MP30276-D1	1		
11:50	MP30276-SD1	5		
11:55	MP30276-PS1	1		
11:59	MP30276-S1	1		
12:03	MP30276-S2	1		
12:07	ZZZZZZ	5		
12:13	ZZZZZZ	5		
12:18	MA13113-CCV4	1		
12:22	MA13113-CCB4	1		
12:26	ZZZZZZ	5		
12:31	ZZZZZZ	5		
12:35	ZZZZZZ	5		
12:40	ZZZZZZ	5		
12:44	ZZZZZZ	5		
12:49	ZZZZZZ	5		
12:54	ZZZZZZ	5		
12:58	ZZZZZZ	5		
13:03	ZZZZZZ	5		
13:07	ZZZZZZ	5		
13:12	MA13113-CCV5	1		
13:16	MA13113-CCB5	1		
13:21	ZZZZZZ	5		
13:25	ZZZZZZ	5		
13:30	ZZZZZZ	5		
13:34	ZZZZZZ	1		
13:39	ZZZZZZ	1		
13:43	ZZZZZZ	1		
13:48	ZZZZZZ	1		
14:01	ZZZZZZ	50		
14:06	MA13113-CCV6	1		
14:10	MA13113-CCB6	1		
14:15	ZZZZZZ	50		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32306
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042616M1.ICP Date Analyzed: 04/26/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13113
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:24	ZZZZZZ	50		
14:28	ZZZZZZ	100		
14:37	ZZZZZZ	250		
14:42	ZZZZZZ	50		
14:46	ZZZZZZ	10		
14:51	ZZZZZZ	25		
14:55	ZZZZZZ	50		
15:00	MA13113-CCV7	1		
15:04	MA13113-CCB7	1		
15:09	ZZZZZZ	20		
15:13	ZZZZZZ	100		
15:18	ZZZZZZ	200		
15:22	MA13113-CRIA2	1		
15:27	MA13113-ICSA2	1		
15:31	MA13113-ICSAB2	1		
15:36	MA13113-CCV8	1		
15:40	MA13113-CCB8	1		
-----> Last reportable CCB for job FA32306				
Refer to raw data for calibration curve and standards.				

6.3
6

INTERNAL STANDARD SUMMARY

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042616M1.ICP Date Analyzed: 04/26/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13113
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:59	MA13113-STD1	4815	41730	3755	2635
09:03	MA13113-STD2	4776	41282	3770	2472
09:07	MA13113-STD3	4628	40078	3764	2246
09:10	MA13113-STD4	4482	38987	3684	2091
09:14	MA13113-HSTD1	4489	38884	3612	2082
09:22	MA13113-ICV1	4633	40070	3736	2248
09:30	MA13113-ICB1	4792 R	41513 R	3726 R	2606 R
09:34	MA13113-CR1A1	4775	41325	3770	2519
09:40	MA13113-ICSA1	4321	36138	3483	1979
09:46	MA13113-ICSAB1	4323	36005	3407	1957
09:52	MA13113-CCV1	4734	40255	3687	2275
09:58	MA13113-CCB1	4937	42194	3659	2671
10:03	FA33351-1	5722	49338	4338	2553
10:07	MP30270-D1	5767	50107	4453	2586
10:12	MP30270-S1	5803	49790	4414	2535
10:16	MP30270-S2	5709	48970	4332	2539
10:20	MP30270-PS1	5724	49804	4442	2563
10:25	MP30270-SD1	5018	43395	3834	2589
10:29	ZZZZZZ	5500	46593	4091	2541
10:34	ZZZZZZ	5520	46898	4138	2554
10:38	ZZZZZZ	5648	48071	4261	2492
10:42	ZZZZZZ	5722	48171	4298	2482
10:47	MA13113-CCV2	4764	40738	3652	2279
10:51	MA13113-CCB2	4938	42432	3743	2658
10:55	ZZZZZZ	5610	47671	4233	2528
11:00	ZZZZZZ	4620	39383	3645	2213
11:04	MP30271-SD1	5020	42535	3648	2608
11:09	MP30271-PS1	5022	42427	3725	2490
11:13	FA32306-31	4928	42301	3723	2578
11:18	MA13113-CCV3	4754	40404	3614	2271
11:22	MA13113-CCB3	4924	42205	3720	2652
11:33	MP30276-MB1	4865	42158	3699	2628
11:37	MP30276-B1	4741	40285	3627	2357

INTERNAL STANDARD SUMMARY

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042616M1.ICP Date Analyzed: 04/26/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13113
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:41	FA33305-2	4773	41627	3728	2526
11:46	MP30276-D1	4807	41779	3723	2538
11:50	MP30276-SD1	4931	42395	3734	2633
11:55	MP30276-PS1	4740	40896	3611	2424
11:59	MP30276-S1	4736	40853	3725	2331
12:03	MP30276-S2	4736	40488	3671	2328
12:07	ZZZZZZ	3877	31227	3402	1739
12:13	ZZZZZZ	4312	36298	3542	2083
12:18	MA13113-CCV4	4695	40443	3692	2267
12:22	MA13113-CCB4	4857	42072	3722	2635
12:26	ZZZZZZ	4511	38586	3604	2226
12:31	ZZZZZZ	3971	32702	3523	1828
12:35	ZZZZZZ	4314	36434	3518	2108
12:40	ZZZZZZ	4353	36179	3592	2032
12:44	ZZZZZZ	4494	38846	3653	2285
12:49	ZZZZZZ	4337	37230	3648	2135
12:54	ZZZZZZ	4355	36828	3569	2132
12:58	ZZZZZZ	4222	35941	3544	2039
13:03	ZZZZZZ	4259	36780	3503	2123
13:07	ZZZZZZ	4025	33711	3535	1887
13:12	MA13113-CCV5	4647	40038	3611	2249
13:16	MA13113-CCB5	4818	41935	3710	2627
13:21	ZZZZZZ	4594	39718	3696	2389
13:25	ZZZZZZ	4539	38941	3624	2298
13:30	ZZZZZZ	4239	35234	3585	1997
13:34	ZZZZZZ	4661	40749	3712	2481
13:39	ZZZZZZ	4504	39706	3551	2399
13:43	ZZZZZZ	4765	41538	3700	2616
13:48	ZZZZZZ	4597	40110	3676	2459
14:01	ZZZZZZ	4697	40823	3748	2485
14:06	MA13113-CCV6	4574	39920	3740	2245
14:10	MA13113-CCB6	4775	41681	3815	2628
14:15	ZZZZZZ	4644	39812	3686	2413

INTERNAL STANDARD SUMMARY

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042616M1.ICP Date Analyzed: 04/26/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13113
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:24	ZZZZZZ	4617	40264	3807	2457
14:28	ZZZZZZ	4608	39867	3809	2408
14:37	ZZZZZZ	4621	39987	3791	2447
14:42	ZZZZZZ	4617	40240	3824	2450
14:46	ZZZZZZ	4510	39360	3762	2335
14:51	ZZZZZZ	4613	39798	3745	2421
14:55	ZZZZZZ	4614	40138	3725	2428
15:00	MA13113-CCV7	4542	39863	3740	2236
15:04	MA13113-CCB7	4738	41901	3865	2625
15:09	ZZZZZZ	4617	40335	3770	2436
15:13	ZZZZZZ	4625	40106	3751	2466
15:18	ZZZZZZ	4494	39357	3729	2397
15:22	MA13113-CRIA2	4673	40860	3798	2511
15:27	MA13113-ICSA2	4232	35923	3516	1970
15:31	MA13113-ICSAB2	4205	35975	3527	1941
15:36	MA13113-CCV8	4543	39753	3727	2237
15:40	MA13113-CCB8	4741	41477	3752	2621

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.3.1
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042616M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/26/16
 Run ID: MA13113

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		09:30		09:58		10:51		11:22	
	Sample ID:	RL	ICB1	ICB1	CCB1	CCB1	CCB2	CCB2	CCB3	CCB3
		IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	14								
Antimony	6.0	1								
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2	anr							
Cadmium	5.0	.2	anr							
Calcium	1000	50	anr							
Chromium	10	1	anr							
Cobalt	50	.2								
Copper	25	1								
Iron	300	17								
Lead	5.0	1	-0.90	<5.0	-0.50	<5.0	0.0	<5.0	0.0	<5.0
Magnesium	5000	35	anr							
Manganese	15	.5								
Molybdenum	50	.3								
Nickel	40	.4								
Potassium	10000	200								
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.1								
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5								
Zinc	20	3								

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042616M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/26/16
 Run ID: MA13113

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	12:22 CCB4		13:16 CCB5		14:10 CCB6		15:04 CCB7	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14								
Antimony		6.0	1								
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2	anr							
Cadmium		5.0	.2	anr							
Calcium		1000	50	anr							
Chromium		10	1	anr							
Cobalt		50	.2								
Copper		25	1								
Iron		300	17								
Lead		5.0	1	-0.40	<5.0	-0.40	<5.0	-0.30	<5.0	-0.40	<5.0
Magnesium		5000	35	anr							
Manganese		15	.5								
Molybdenum		50	.3								
Nickel		40	.4								
Potassium		10000	200								
Selenium		10	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500	anr							
Strontium		10	.5								
Thallium		10	1.1								
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3								

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042616M1.ICP
 QC Limits: result < RL

Date Analyzed: 04/26/16
 Run ID: MA13113

Methods: SW846 6010C
 Units: ug/l

Time:	15:40			
Sample ID:	CCB8			
Metal	RL	IDL	raw	final
Aluminum	200	14		
Antimony	6.0	1		
Arsenic	10	1.3	anr	
Barium	200	1	anr	
Beryllium	4.0	.2	anr	
Cadmium	5.0	.2	anr	
Calcium	1000	50	anr	
Chromium	10	1	anr	
Cobalt	50	.2		
Copper	25	1		
Iron	300	17		
Lead	5.0	1	-0.10	<5.0
Magnesium	5000	35	anr	
Manganese	15	.5		
Molybdenum	50	.3		
Nickel	40	.4		
Potassium	10000	200		
Selenium	10	2.4	anr	
Silver	10	.7	anr	
Sodium	10000	500	anr	
Strontium	10	.5		
Thallium	10	1.1		
Tin	50	.9		
Titanium	10	.5		
Vanadium	50	.5		
Zinc	20	3		

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.2
 6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32306
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042616M1.ICP Date Analyzed: 04/26/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13113 Units: ug/l

Metal	Time:		09:22		09:52		10:47		
	Sample ID:	ICV	ICV1	CCV	CCV1	CCV	CCV2		
	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper									
Iron									
Lead	2000	2020	101.0	2000	2010	100.5	2000	1990	99.5
Magnesium	anr								
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

6.3.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32306
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042616M1.ICP Date Analyzed: 04/26/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13113 Units: ug/l

Metal	Sample ID	CCV	11:18		12:18		13:12		
			CCV3	Results	CCV4	Results	CCV5	Results	
Aluminum									
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper									
Iron									
Lead	2000	1990	99.5	2000	2000	100.0	2000	2020	101.0
Magnesium	anr								
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

6.3.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32306
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042616M1.ICP Date Analyzed: 04/26/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13113 Units: ug/l

Metal	Sample ID	Time: CCV	14:06		15:00		15:36		
			CCV6	Results	CCV7	Results	CCV8	Results	
Aluminum		True							
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper									
Iron									
Lead	2000	2030	101.5	2000	2050	102.5	2000	2050	102.5
Magnesium	anr								
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

6.3.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042616M1.ICP Date Analyzed: 04/26/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13113 Units: ug/l

Time:	09:14
Sample ID:	HSTD1
Metal	True
Results	% Rec

Aluminum			
Antimony			
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt			
Copper			
Iron			
Lead	4000	4040	101.0
Magnesium	anr		
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA042616M1.ICP Date Analyzed: 04/26/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13113 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	09:34 CRIA1 Results	% Rec	15:22 CRIA2 Results	% Rec
Metal						
Aluminum	400	200				
Antimony	10	5.0				
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25				
Iron	600	300				
Lead	10	5.0	4.7	94.0	4.4	88.0
Magnesium	10000	5000	anr			
Manganese	30	15				
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000				
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20				

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA32306
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA042616M1.ICP Date Analyzed: 04/26/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13113 Units: ug/l

Metal	Time:		09:40		09:46		15:27		15:31	
	Sample ID:	ICSAB	ICSAB	ICSAB	ICSAB1	ICSAB1	ICSAB2	ICSAB2	ICSAB2	ICSAB2
	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	517000	103.4	516000	103.2	505000	101.0	501000	100.2
Antimony		1000	0.0		1000	100.0	0.80		1050	105.0
Arsenic		1000	1.2		1070	107.0	-2.8		1120	112.0
Barium		500	0.0		534	106.8	0.70		524	104.8
Beryllium		500	-0.60		524	104.8	-0.60		524	104.8
Cadmium		1000	-0.70		959	95.9	0.40		986	98.6
Calcium	500000	500000	498000	99.6	505000	101.0	482000	96.4	482000	96.4
Chromium		500	0.60		520	104.0	0.90		518	103.6
Cobalt		500	0.20		477	95.4	-0.20		484	96.8
Copper		500	-0.60		549	109.8	-1.0		552	110.4
Iron	200000	200000	190000	95.0	192000	96.0	188000	94.0	189000	94.5
Lead		1000	0.0		971	97.1	3.7		989	98.9
Magnesium	500000	500000	539000	107.8	542000	108.4	524000	104.8	517000	103.4
Manganese		500	-0.80		516	103.2	-0.60		522	104.4
Molybdenum		1000	0.10		944	94.4	-0.50		961	96.1
Nickel		1000	0.40		949	94.9	0.10		988	98.8
Potassium			-35		-29		-41		-38	
Selenium		1000	-1.6		1010	101.0	-0.50		1050	105.0
Silver		1000	-0.60		1050	105.0	-0.80		1050	105.0
Sodium			108		122		224		209	
Strontium		1000	-0.50		1060	106.0	-0.40		1030	103.0
Thallium		1000	-0.20		952	95.2	-1.5		974	97.4
Tin		1000	1.7		936	93.6	1.4		943	94.3
Titanium		1000	0.10		1010	101.0	-0.30		1020	102.0
Vanadium		500	0.70		476	95.2	0.70		486	97.2
Zinc		1000	-3.5		957	95.7	-3.2		994	99.4

(*) Outside of QC limits
(anr) Analyte not requested

6.3.6
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA32306
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30160
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/24/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	14	14		
Antimony	6.0	1	1		
Arsenic	10	1.3	1.3		
Barium	200	1	1		
Beryllium	4.0	.2	.2		
Cadmium	5.0	.2	.2		
Calcium	1000	50	50		
Chromium	10	1	1		
Cobalt	50	.2	.2		
Copper	25	1	1		
Iron	300	17	17		
Lead	5.0	1	1.1	0.60	<5.0
Magnesium	5000	35	35		
Manganese	15	.5	1		
Molybdenum	50	.3	.3		
Nickel	40	.4	.4		
Potassium	10000	200	200		
Selenium	10	2.4	2.9		
Silver	10	.7	.7		
Sodium	10000	500	500		
Strontium	10	.5	.5		
Thallium	10	1.1	1.4		
Tin	50	.9	1		
Titanium	10	.5	1		
Vanadium	50	.5	.6		
Zinc	20	3	4.4		

Associated samples MP30160: FA32306-37

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.4.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30160
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/24/16 03/24/16

Metal	FA32283-5 Original	DUP	RPD	QC Limits	FA32283-5 Original MS	Spikelot MPFLICP2 % Rec	QC Limits		
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	0.0	1.3	200.0(a)	0-20	0.0	505	500	101.0	80-120
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

Associated samples MP30160: FA32306-37

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested
 (a) RPD acceptable due to low duplicate and sample concentrations.

6.4.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30160
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/24/16

Metal	FA32283-5 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit		
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Cadmium	anr					
Calcium	anr					
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron	anr					
Lead	0.0	500	500	100.0	1.0	20
Magnesium	anr					
Manganese	anr					
Molybdenum	anr					
Nickel	anr					
Potassium	anr					
Selenium	anr					
Silver	anr					
Sodium	anr					
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

Associated samples MP30160: FA32306-37

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.4.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30160
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/24/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Cadmium	anr			
Calcium	anr			
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron	anr			
Lead	508	500	101.6	80-120
Magnesium	anr			
Manganese	anr			
Molybdenum	anr			
Nickel	anr			
Potassium	anr			
Selenium	anr			
Silver	anr			
Sodium	anr			
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP30160: FA32306-37

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.3
6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30160
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/24/16

Metal	FA32283-5	Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr				
Antimony	anr				
Arsenic	anr				
Barium	anr				
Beryllium	anr				
Cadmium	anr				
Calcium	anr				
Chromium	anr				
Cobalt	anr				
Copper	anr				
Iron	anr				
Lead	0.00	0.00	NC		0-10
Magnesium	anr				
Manganese	anr				
Molybdenum	anr				
Nickel	anr				
Potassium	anr				
Selenium	anr				
Silver	anr				
Sodium	anr				
Strontium					
Thallium	anr				
Tin					
Titanium					
Vanadium	anr				
Zinc	anr				

Associated samples MP30160: FA32306-37

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30160
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date:

03/24/16

Metal	Sample ml	Final ml	FA32283-5 Raw	PS Corr.** ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	9.8	10		51.6	0.2	2.5	50	103.2	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP30160: FA32306-37

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (**) Corr. sample result = Raw * (sample volume / final volume)
 (anr) Analyte not requested

6.4.5
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA32306
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30271
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 04/25/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.4	3.5		
Antimony	2.0	.1	.13		
Arsenic	1.0	.13	.2		
Barium	20	.1	.1		
Beryllium	0.50	.02	.05		
Cadmium	0.40	.02	.05		
Calcium	500	5	5		
Chromium	1.0	.1	.1		
Cobalt	5.0	.02	.05		
Copper	2.5	.1	.1		
Iron	30	1.7	1.7		
Lead	2.0	.1	.1	0.062	<2.0
Magnesium	500	3.5	3.6		
Manganese	1.5	.05	.05		
Molybdenum	5.0	.03	.05		
Nickel	4.0	.04	.05		
Potassium	1000	20	20		
Selenium	2.0	.24	.24		
Silver	1.0	.07	.082		
Sodium	1000	50	50		
Strontium	1.0	.05	.05		
Thallium	1.0	.11	.11		
Tin	5.0	.09	.09		
Titanium	1.0	.05	.05		
Vanadium	5.0	.05	.05		
Zinc	2.0	.3	.3		

Associated samples MP30271: FA32306-1, FA32306-4, FA32306-7, FA32306-10, FA32306-11, FA32306-16, FA32306-19, FA32306-22, FA32306-25, FA32306-28, FA32306-31, FA32306-34

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.5.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30271
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/25/16 04/25/16

Metal	FA32238-13 Original DUP		RPD	QC Limits	FA32238-13 Original MS		Spikelot MPFLICP2 % Rec	QC Limits
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead	21.8	21.7	0.5	0-20	21.8	32.8	9.82	111.8 80-120
Magnesium								
Manganese								
Molybdenum								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Strontium								
Thallium								
Tin								
Titanium								
Vanadium								
Zinc								

Associated samples MP30271: FA32306-1, FA32306-4, FA32306-7, FA32306-10, FA32306-11, FA32306-16, FA32306-19, FA32306-22, FA32306-25, FA32306-28, FA32306-31, FA32306-34

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.5.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30271
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/25/16 04/25/16

Metal	FA32238-13 Original MSD		Spikelot MPFLICP2 % Rec		MSD RPD	QC Limit	FA32238-13 Original DUP		RPD	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead	21.8	34.9	9.72	135.0(a)	6.2	20	21.8	21.6	0.9	0-20
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP30271: FA32306-1, FA32306-4, FA32306-7, FA32306-10, FA32306-11, FA32306-16, FA32306-19, FA32306-22, FA32306-25, FA32306-28, FA32306-31, FA32306-34

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

6.5.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30271
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 04/25/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	10	10	100.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30271: FA32306-1, FA32306-4, FA32306-7, FA32306-10, FA32306-11, FA32306-16, FA32306-19, FA32306-22, FA32306-25, FA32306-28, FA32306-31, FA32306-34

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.5.3
 6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30271
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 04/25/16

Metal	FA32238-13	QC
	Original SDL 5:25 %DIF	Limits

Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	1170	1180	0.9	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30271: FA32306-1, FA32306-4, FA32306-7, FA32306-10, FA32306-11, FA32306-16, FA32306-19, FA32306-22, FA32306-25, FA32306-28, FA32306-31, FA32306-34

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.5.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA32306
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30271
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date:

04/25/16

Metal	Sample ml	Final ml	FA32238-13 Raw	PS Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead	9.8	10	1172	1148.56	1109	0.2	2.5	50	-79.1*(a)	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP30271: FA32306-1, FA32306-4, FA32306-7, FA32306-10, FA32306-11, FA32306-16, FA32306-19, FA32306-22, FA32306-25, FA32306-28, FA32306-31, FA32306-34

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(**) Corr. sample result = Raw * (sample volume / final volume)

(anr) Analyte not requested

(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

6.5.5
6

Instrument Detection Limits

Job Number: FA32306
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1	Effective Date: 01/27/15
-------------------------	--------------------------

Analyte	IDL ug/l
Aluminum	14
Antimony	1
Arsenic	1.3
Barium	1
Beryllium	.2
Cadmium	.2
Calcium	50
Chromium	1
Cobalt	.2
Copper	1
Iron	17
Lead	1
Magnesium	35
Manganese	.5
Molybdenum	.3
Nickel	.4
Potassium	200
Selenium	2.4
Silicon	5
Silver	.7
Sodium	500
Strontium	.5
Sulfur	5
Thallium	1.1
Tin	.9
Titanium	.5
Vanadium	.5
Zinc	3

The above applies to the following instrument runs:
MA13055,MA13111,MA13113

6.6
9

Instrument Linear Ranges

Job Number: FA32306
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1

Effective Date: 08/13/13

Analyte	Linear Range ug/l
Aluminum	500000
Antimony	10000
Arsenic	10000
Barium	10000
Beryllium	10000
Cadmium	10000
Calcium	500000
Chromium	10000
Cobalt	10000
Copper	10000
Iron	500000
Lead	10000
Magnesium	500000
Manganese	10000
Molybdenum	10000
Nickel	10000
Potassium	80000
Selenium	10000
Silver	1000
Sodium	80000
Strontium	10000
Sulfur	10000
Thallium	10000
Tin	10000
Titanium	10000
Vanadium	10000
Zinc	10000

The above applies to the following instrument runs:
MA13055,MA13111,MA13113

Metals Analysis

Raw Data

Sample Name: Blank Acquired: 3/24/2016 9:13:06 Type: Cal
Method: 60102007_042011(v25) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0000	.0011	-0.0009	.0012	.0001	.0063	-0.0014	-0.0005	-0.0001
Stddev	.000	.0012	.0001	.0014	.0003	.0008	.0003	.0003	.0001
%RSD	182.5	109.7	9.584	120.4	198.9	12.91	19.81	47.82	134.6
#1	-0.001	.0023	-0.0008	.0011	.0004	.0054	-0.0012	-0.0002	-0.0001
#2	-0.000	-0.001	-0.0009	-0.0002	-0.0001	.0066	-0.0013	-0.0007	.0000
#3	.0000	.0011	-0.0009	.0027	.0000	.0070	-0.0017	-0.0007	.0000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0075	.0014	.0041	-0.0008	.0005	.0016	-0.0086	-0.0005	.0002
Stddev	.0001	.0004	.0041	.0003	.0001	.0001	.0018	.0002	.0005
%RSD	1.783	31.46	100.4	30.38	12.77	7.333	21.03	46.69	216.5
#1	.0077	.0019	.0067	-0.0006	.0005	.0017	-0.0107	-0.0004	-0.0001
#2	.0075	.0012	.0061	-0.0008	.0005	.0016	-0.0077	-0.0003	.0008
#3	.0074	.0011	-0.0006	-0.0011	.0006	.0014	-0.0074	-0.0008	-0.0001
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0007	-0.0008	.0078	.0005	-0.0003	.0017	-0.0011	-0.0008	.0034
Stddev	.0001	.0003	.0001	.0001	.0012	.0000	.0001	.0000	.0041
%RSD	12.31	32.37	1.554	22.82	460.8	2.102	8.556	4.059	119.3
#1	.0006	-0.0007	.0077	.0004	-0.0014	.0017	-0.0012	-0.0008	.0007
#2	.0008	-0.0011	.0078	.0007	.0010	.0017	-0.0010	-0.0007	.0014
#3	.0007	-0.0006	.0080	.0005	-0.0004	.0016	-0.0012	-0.0008	.0082
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2533.1	4572.5	39169.	3477.4					
Stddev	4.3	10.7	79.	16.1					
%RSD	.17044	.23478	.20157	.46155					
#1	2536.4	4582.8	39247.	3479.2					
#2	2534.7	4573.3	39089.	3460.4					
#3	2528.2	4561.4	39172.	3492.4					

Raw Data MA13055 page 1 of 120

Sample Name: Blank Acquired: 3/24/2016 9:18:39 Type: Cal
Method: 60102007_042011(v25) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0000	.0019	-0.0007	.0031	.0031	.0071	-0.0007	-0.0005	-0.0002
Stddev	.000	.0014	.0001	.0007	.0012	.0012	.0002	.0001	.0000
%RSD	89.60	75.09	10.11	24.29	40.04	17.32	22.49	12.64	4.201
#1	-0.001	.0015	-0.0007	.0027	.0039	.0085	-0.0005	-0.0004	-0.0002
#2	-0.000	.0007	-0.0007	.0026	.0036	.0064	-0.0007	-0.0005	-0.0002
#3	.0000	.0035	-0.0008	.0039	.0017	.0063	-0.0008	-0.0005	-0.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0073	.0018	.0028	.0000	.0011	.0012	-0.0076	.0000	-0.0001
Stddev	.0001	.0004	.0034	.0003	.0001	.0001	.0041	.000	.0007
%RSD	1.523	19.77	121.6	24910.	10.01	11.95	53.41	354.5	1275.
#1	.0072	.0022	.0067	.0004	.0011	.0013	-0.0058	-0.0001	-0.0008
#2	.0073	.0018	.0002	-0.0002	.0010	.0013	-0.0048	-0.0001	.0006
#3	.0075	.0014	.0015	-0.0001	.0013	.0010	-0.0123	.0000	.0001
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0007	-0.0007	.0060	.0005	.0058	.0015	-0.0013	-0.0006	.0011
Stddev	.0001	.0001	.0002	.0001	.0009	.0000	.0001	.0001	.0001
%RSD	7.744	14.81	3.862	14.22	15.48	3.050	4.659	17.17	5.591
#1	.0008	-0.0007	.0060	.0004	.0064	.0015	-0.0013	-0.0005	.0012
#2	.0007	-0.0006	.0059	.0006	.0062	.0014	-0.0014	-0.0006	.0010
#3	.0007	-0.0008	.0063	.0005	.0048	.0015	-0.0013	-0.0007	.0011
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2533.6	4578.4	39027.	3487.3					
Stddev	2.2	2.1	105.	6.5					
%RSD	.08699	.04609	.26905	.18597					
#1	2531.3	4576.2	39018.	3484.2					
#2	2534.0	4578.4	38926.	3494.8					
#3	2535.7	4580.4	39136.	3483.0					

Raw Data MA13055 page 2 of 120

Sample Name: LowStd Acquired: 3/24/2016 9:23:50 Type: Cal
Method: 60102007_042011(v25) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0363	2.364	.0926	4.482	5.541	2.594	2.458	1.351	2.682
Stddev	.0002	.007	.0005	.005	.010	.010	.006	.003	.0011
%RSD	.5294	.3068	.5107	.1150	.1858	.3953	.2584	.1824	.4158
#1	.0361	2.368	.0923	4.477	5.531	2.603	2.457	1.350	2.695
#2	.0363	2.369	.0924	4.482	5.552	2.597	2.453	1.349	2.673
#3	.0365	2.356	.0931	4.487	5.541	2.583	2.465	1.354	2.679
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4765	1.801	1.029	2.597	1.510	.5689	4.340	3.864	3.974
Stddev	.0014	.006	.003	.0005	.005	.0004	.011	.0019	.0017
%RSD	.2979	.3422	.2464	.1850	.3016	.0749	.2552	.2306	.4309
#1	.4749	1.803	1.031	.2595	1.515	.5686	4.332	.8364	.3966
#2	.4773	1.806	1.026	.2594	1.509	.5687	4.352	.8345	.3962
#3	.4773	1.794	1.031	.2603	1.507	.5694	4.335	.8384	.3993
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1358	.0663	.2076	.1979	7.917	1.068	1.379	3.615	1.212
Stddev	.0004	.0003	.0003	.0004	.014	.002	.0005	.0012	.003
%RSD	.3075	.3858	.1364	.2194	.1774	.1955	.3402	.3211	.2472
#1	.1353	.0665	.2077	.1979	7.909	1.069	.1376	.3622	1.213
#2	.1360	.0664	.2073	.1974	7.933	1.070	.1376	.3622	1.208
#3	.1361	.0660	.2078	.1983	7.908	1.066	.1384	.3602	1.214
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2389.0	4473.1	37987.	3394.1					
Stddev	4.5	8.1	201.	18.0					
%RSD	.18667	.18191	.52861	.53172					
#1	2389.2	4468.1	37881.	3387.7					
#2	2393.4	4482.5	37861.	3380.1					
#3	2384.5	4468.8	38218.	3414.5					

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Sample Name: MidStd Acquired: 3/24/2016 9:27:18 Type: Cal
Method: 60102007_042011(v25) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1471	9.010	3.876	18.35	22.32	9.704	9.912	5.417	1.069
Stddev	.0003	.020	.0010	.04	.05	.029	.013	.003	.004
%RSD	.2206	.2211	.2547	.2388	.2160	.3045	.1264	.0537	.3520
#1	.1475	9.033	3.878	18.40	22.37	9.728	9.898	5.414	1.067
#2	.1468	8.994	3.884	18.31	22.28	9.713	9.918	5.417	1.073
#3	.1471	9.004	3.865	18.35	22.30	9.671	9.920	5.419	1.066
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.903	6.430	3.957	9.877	5.996	2.312	16.60	3.339	1.652
Stddev	.005	.013	.013	.0020	.029	.001	.02	.004	.003
%RSD	.2866	.2041	.3228	.1983	.4830	.0589	.1168	.1347	.1882
#1	1.904	6.444	3.969	.9889	5.991	2.312	16.62	3.334	1.648
#2	1.897	6.418	3.943	.9855	6.027	2.313	16.58	3.343	1.653
#3	1.907	6.428	3.959	.9888	5.970	2.310	16.60	3.339	1.654
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.5585	.2751	.9843	.7971	32.18	4.336	5.678	1.470	4.871
Stddev	.0021	.0005	.0009</						

Sample Name: HighStd Acquired: 3/24/2016 9:31:33 Type: Cal
Method: 60102007_042011(v25) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2837	17.62	7758	36.62	43.66	18.84	19.32	10.61	2.082
Stddev	.0014	.05	.0004	.11	.17	.06	.03	.01	.002
%RSD	.4887	.2650	.0491	.2963	.3928	.3140	.1438	.0639	.0951
#1	.2823	17.67	.7756	36.67	43.80	18.91	19.33	10.61	2.080
#2	.2838	17.58	.7763	36.49	43.47	18.81	19.29	10.60	2.084
#3	.2850	17.62	.7756	36.68	43.72	18.81	19.34	10.61	2.081
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3759	12.91	7.771	1.926	11.44	4.567	32.67	6.506	3.319
Stddev	.013	.03	.028	.008	.04	.000	.13	.006	.007
%RSD	.3545	.2615	.3652	.4357	.3135	.0093	.3972	.0867	.2191
#1	3.746	12.95	7.799	1.936	11.41	4.568	32.74	6.511	3.315
#2	3.772	12.88	7.742	1.922	11.44	4.567	32.52	6.500	3.315
#3	3.758	12.91	7.773	1.921	11.48	4.567	32.75	6.507	3.327
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.114	.5492	1.381	1.555	63.39	8.494	1.123	2.904	9.514
Stddev	.002	.0004	.001	.001	.24	.024	.001	.008	.024
%RSD	.2019	.0772	.1041	.0872	.3732	.2841	.0960	.2645	.2514
#1	1.115	.5496	1.380	1.555	63.57	8.480	1.122	2.896	9.517
#2	1.116	.5488	1.380	1.554	63.12	8.481	1.122	2.904	9.488
#3	1.112	.5492	1.382	1.556	63.48	8.522	1.124	2.911	9.536
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2026.8	4133.4	35647.7	3316.3					
Stddev	2.7	6.4	132.	6.9					
%RSD	.13088	.15432	.37155	.20791					
#1	2027.4	4128.8	35741.	3315.2					
#2	2023.9	4130.6	35704.	3310.0					
#3	2029.0	4140.7	35495.	3323.6					

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Sample Name: HSTD Acquired: 3/24/2016 9:44:49 Type: QC
Method: 60102007_042011(v25) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4966	80.36	4.083	4.035	4.057	80.12	4.025	4.019	4.013
Stddev	.0019	.30	.006	.028	.012	.29	.003	.005	.004
%RSD	.3905	.3727	.1511	.6910	.2826	.3652	.0635	.1144	.1117
#1	.4985	80.20	4.078	4.029	4.054	80.19	4.027	4.023	4.016
#2	.4946	80.17	4.090	4.010	4.048	79.80	4.025	4.020	4.008
#3	.4967	80.70	4.082	4.065	4.070	80.38	4.022	4.014	4.014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.998	80.84	80.79	80.92	3.965	4.033	80.78	4.027	4.066
Stddev	.015	.35	.37	.28	.042	.003	.41	.007	.008
%RSD	.3823	.4330	.4594	.3434	1.055	.0699	.5062	.1693	.1936
#1	4.013	80.69	80.57	81.18	3.941	4.035	80.56	4.035	4.062
#2	3.982	80.59	80.59	80.63	4.013	4.035	80.53	4.024	4.060
#3	3.998	81.24	81.22	80.96	3.941	4.030	81.25	4.022	4.075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.060	4.078	3.552	4.006	4.041	3.991	4.022	4.054	4.039
Stddev	.009	.002	.005	.002	.025	.025	.008	.009	.005
%RSD	.2129	.0473	.1457	.0369	.6207	.6396	.1878	.2354	.1199
#1	4.064	4.080	3.558	4.007	4.028	3.962	4.019	4.048	4.045
#2	4.066	4.078	3.549	4.006	4.025	4.000	4.017	4.050	4.036
#3	4.050	4.076	3.549	4.004	4.070	4.010	4.031	4.065	4.037
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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7.1
7

Sample Name: HSTD Acquired: 3/24/2016 9:44:49 Type: QC
Method: 60102007_042011(v25) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1995.3	4066.3	35212.	3233.3
Stddev	9.2	8.2	136.	8.6
%RSD	.46346	.20077	.38702	.26631
#1	2000.2	4067.7	35366.	3236.0
#2	2000.9	4073.7	35107.	3240.3
#3	1984.6	4057.5	35162.	3223.7

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Sample Name: ICV Acquired: 3/24/2016 10:03:17 Type: QC
Method: 60102007_042011(v25) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2497	41.00	2.042	2.041	2.046	41.36	2.076	2.058	2.074
Stddev	.0006	.23	.002	.007	.012	.26	.003	.002	.009
%RSD	.2359	.5584	.1088	.3489	.5921	.6194	.1371	.1040	.4285
#1	.2500	41.00	2.040	2.038	2.049	41.24	2.077	2.057	2.073
#2	.2490	41.23	2.044	2.049	2.057	41.65	2.079	2.061	2.066
#3	.2500	40.77	2.042	2.037	2.033	41.18	2.073	2.057	2.083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.000	40.23	41.20	41.16	2.092	2.085	41.04	2.070	2.036
Stddev	.008	.36	.18	.21	.008	.005	.27	.003	.003
%RSD	.4222	.9009	.4468	.5044	.3725	.2268	.6504	.1233	.1212
#1	2.008	40.16	41.06	41.16	2.096	2.079	41.02	2.070	2.037
#2	2.002	40.63	41.41	41.36	2.083	2.088	41.31	2.072	2.039
#3	1.991	39.91	41.14	40.94	2.097	2.087	40.77	2.067	2.034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.023	2.048	1.805	2.080	2.060	2.083	2.037	2.083	2.087
Stddev	.004	.005	.004	.002	.011	.005	.002	.007	.006
%RSD	.2025	.2535	.2439	.1143	.5178	.2457	.0877	.3449	.3122
#1	2.019	2.047	1.800	2.077	2.059	2.087	2.035	2.081	2.092
#2	2.027	2.053	1.806	2.082	2.071	2.078	2.037	2.077	2.090
#3	2.024	2.043	1.808	2.080	2.050	2.085	2.039	2.091	2.079
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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Sample Name: ICB Acquired: 3/24/2016 10:03:17 Type: QC
 Method: 60102007_042011(v25) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2155.8	4264.2	3634.1	3345.5
Stddev	2.6	4.3	165.	23.2
%RSD	.11833	.10068	.45339	.69198
#1	2152.9	4264.6	36216.	3361.2
#2	2156.8	4259.8	36528.	3318.9
#3	2157.7	4268.3	36279.	3356.4

Sample Name: ICB Acquired: 3/24/2016 10:11:32 Type: QC
 Method: 60102007_042011(v25) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.002	-0.060	-0.004	-0.001	-0.002	-0.103	-0.002	-0.001	0.001
Stddev	.0001	.0023	.0004	.0007	.0001	.0005	.0000	.0001	.0001
%RSD	46.51	38.76	106.3	661.7	23.63	4.656	14.63	53.67	119.5
#1	-0.002	-0.057	-0.003	-0.009	-0.003	-0.098	-0.002	-0.001	0.001
#2	-0.002	-0.085	-0.008	0.002	-0.002	-0.105	-0.001	-0.002	0.001
#3	-0.004	-0.039	0.000	0.004	-0.002	-0.107	-0.002	-0.002	0.000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-0.002	-0.030	-0.216	-0.022	-0.003	0.002	-0.023	-0.003	0.004
Stddev	.0002	.0009	.0377	.0238	.0000	.0001	.0086	.0000	.0004
%RSD	87.06	30.05	174.8	1071.	8.083	44.59	379.3	18.66	100.1
#1	-0.003	-0.021	-0.483	-0.294	-0.002	0.002	0.027	-0.003	-0.001
#2	0.000	-0.040	0.215	0.079	-0.002	0.002	-0.122	-0.002	0.006
#3	-0.001	-0.030	-0.379	0.149	-0.003	0.001	0.027	-0.003	0.008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	-0.002	0.014	0.030	0.000	-0.003	0.001	0.007	-0.001	-0.002
Stddev	.0010	.0022	.0004	.0001	.0000	.0001	.0004	.0002	.0000
%RSD	560.2	157.0	14.36	579.6	5.340	83.94	62.89	160.6	2.007
#1	0.003	0.012	0.034	0.000	-0.003	0.001	0.006	-0.003	-0.002
#2	-0.014	-0.007	0.026	-0.001	-0.003	0.001	0.003	0.000	-0.002
#3	0.005	0.036	0.031	0.002	-0.003	0.000	0.012	0.000	-0.002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.1
7

Sample Name: ICB Acquired: 3/24/2016 10:11:32 Type: QC
 Method: 60102007_042011(v25) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2495.9	4519.4	38510.	3389.6
Stddev	7.7	10.0	122.	16.5
%RSD	.30883	.22167	.31615	.48744
#1	2498.0	4528.6	38392.	3408.6
#2	2487.4	4508.7	38502.	3378.8
#3	2502.3	4520.7	38635.	3381.3

Sample Name: CRIA Acquired: 3/24/2016 10:15:26 Type: QC
 Method: 60102007_042011(v25) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	0.088	0.044	0.090	0.260	0.050	1.062	0.052	0.533	0.108
Stddev	.0001	.0058	.0009	.0004	.0001	.003	.0000	.0003	.0002
%RSD	.8664	2.822	9.935	1.876	1.592	2.594	4.660	5.495	1.742
#1	0.087	0.208	0.092	0.264	0.051	1.064	0.053	0.534	0.106
#2	0.089	0.213	0.099	0.257	0.050	1.064	0.052	0.529	0.110
#3	0.087	0.210	0.081	0.258	0.050	1.059	0.052	0.534	0.109

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	0.259	0.3143	10.30	5.255	0.166	0.499	10.42	0.431	0.054
Stddev	.0003	.0026	.02	.029	.0001	.0003	.02	.0004	.0004
%RSD	1.190	.8129	.2058	.5479	.5437	.6031	.1808	.9845	7.323
#1	0.262	.3125	10.32	5.257	0.166	.0501	10.41	.0436	.0051
#2	0.258	.3172	10.31	5.282	0.166	.0496	10.42	.0430	.0051
#3	0.256	.3131	10.28	5.225	0.167	.0500	10.44	.0428	.0058

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	0.043	0.105	0.063	0.532	0.100	0.104	0.109	0.497	0.220
Stddev	.0010	.0001	.0007	.0002	.0001	.0000	.0003	.0002	.0001
%RSD	24.53	1.066	11.14	.4249	1.131	.1926	3.066	.3371	.2983
#1	0.044	0.106	0.070	0.533	0.099	0.104	0.107	0.496	0.220
#2	0.031	0.104	0.061	0.533	0.101	0.104	0.107	0.495	0.221
#3	0.052	0.106	0.057	0.529	0.100	0.104	0.113	0.498	0.221

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 3/24/2016 10:15:26 Type: QC
 Method: 60102007_042011(v25) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2424.1	4479.7	3771.6	3371.3
Stddev	4.0	8.5	144.	4.6
%RSD	.16568	.18950	.38058	.13591
#1	2419.6	4470.2	37807.	3369.5
#2	2427.3	4482.2	37791.	3368.0
#3	2425.4	4486.7	37551.	3376.5

Sample Name: ICSA Acquired: 3/24/2016 10:21:58 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.003	510.2	.0001	.0002	-0.0003	494.2	.0001	-0.0003	.0000
Stddev	.0004	5.4	.0008	.0002	.0001	3.2	.0001	.0002	.0001
%RSD	118.4	1.051	1443.	130.1	39.70	.6506	129.2	75.80	198.2
#1	-0.002	505.1	-0.0003	.0004	-0.0002	493.7	.0001	-0.0006	.0001
#2	-0.008	509.8	.0010	.0002	-0.0003	491.3	.0001	-0.0003	.0001
#3	.0000	515.8	-0.0005	-0.0001	-0.0004	497.7	.0000	-0.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0000	189.5	-0.423	530.8	-0.0003	.0007	.1152	-0.0001	-0.0002
Stddev	.000	.7	.0189	2.7	.0000	.0001	.0064	.0001	.0007
%RSD	2274.	.3624	44.59	.5143	5.631	18.00	5.598	51.43	332.3
#1	-0.0003	189.3	-0.615	530.5	-0.0003	.0007	.1078	-0.0001	-0.0002
#2	.0001	188.9	-0.415	528.2	-0.0002	.0005	.1198	-0.0002	-0.0009
#3	.0002	190.2	-0.238	533.6	-0.0003	.0008	.1180	-0.0001	.0005

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0008	-0.0012	.0166	.0009	-0.0004	.0005	.0000	.0006	-0.0037
Stddev	.0012	.0016	.0008	.0004	.0000	.0002	.001	.0002	.0001
%RSD	146.6	137.7	5.026	46.72	12.06	42.52	11180.	28.89	1.785
#1	.0023	.0006	.0160	.0005	-0.0003	.0003	.0001	.0005	-0.0037
#2	.0001	-0.0016	.0163	.0009	-0.0004	.0004	-0.0009	.0008	-0.0037
#3	.0002	-0.0025	.0176	.0013	-0.0004	.0008	.0008	.0005	-0.0036

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.1
7

Sample Name: ICSA Acquired: 3/24/2016 10:21:58 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1918.4	3880.1	32727.	3123.6
Stddev	1.9	4.1	49.	13.5
%RSD	.09939	.10637	.14947	.43079
#1	1917.2	3882.9	32695.	3131.4
#2	1920.6	3882.0	32702.	3131.4
#3	1917.5	3875.4	32783.	3108.1

Sample Name: IC SAB Acquired: 3/24/2016 10:28:35 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	1.040	514.1	1.108	.5232	.5189	496.2	.9784	.4830	.5200
Stddev	.004	3.1	.001	.0024	.0024	.9	.0004	.0009	.0037
%RSD	.3386	.5990	.0757	.4511	.4662	.1792	.0373	.1931	.7208
#1	1.041	515.0	1.108	.5252	.5206	495.5	.9788	.4833	.5169
#2	1.042	510.6	1.108	.5206	.5162	495.8	.9782	.4819	.5189
#3	1.035	516.5	1.109	.5239	.5200	497.2	.9781	.4837	.5241

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.5445	193.8	.0179	539.1	.5230	.9583	.1359	.9724	.9625
Stddev	.0036	.5	.0149	.8	.0021	.0018	.0021	.0009	.0025
%RSD	.6596	.2564	83.30	.1515	.3920	.1884	1.578	.0960	.2598
#1	.5460	194.2	.0216	539.6	.5212	.9599	.1383	.9731	.9651
#2	.5472	193.2	.0015	538.1	.5226	.9587	.1341	.9714	.9622
#3	.5405	194.0	.0306	539.5	.5252	.9563	.1353	.9728	.9601

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	1.028	1.023	.0502	.9426	1.040	.9827	.9467	.4786	.9875
Stddev	.003	.008	.0013	.0028	.006	.0018	.0043	.0025	.0005
%RSD	.2793	.7996	2.658	.3011	.5848	.1808	.4548	.5140	.0468
#1	1.025	1.032	.0509	.9450	1.041	.9807	.9516	.4769	.9881
#2	1.030	1.016	.0486	.9433	1.033	.9831	.9436	.4775	.9873
#3	1.029	1.020	.0510	.9395	1.045	.9842	.9449	.4814	.9872

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 3/24/2016 10:28:35 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1892.3	3867.6	3234.0	3065.4
Stddev	3.9	3.1	157.	4.6
%RSD	.20637	.08047	.48605	.15008
#1	1894.5	3870.8	32411.	3068.6
#2	1887.8	3867.5	32448.	3067.5
#3	1894.6	3864.5	32159.	3060.1

Sample Name: CCV Acquired: 3/24/2016 10:36:27 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	2557	40.77	2.023	2.017	2.054	41.43	2.064	2.045	2.078
Stddev	.0005	.06	.004	.008	.003	.08	.002	.002	.012
%RSD	.1776	.1561	.1919	.3884	.1562	.1924	.0818	.1134	.5518
#1	.2561	40.71	2.019	2.008	2.057	41.52	2.065	2.046	2.091
#2	.2552	40.76	2.023	2.023	2.051	41.37	2.065	2.048	2.068
#3	.2557	40.83	2.027	2.019	2.054	41.39	2.062	2.043	2.075

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	1.990	40.23	40.93	41.54	2.100	2.032	40.86	2.056	2.022
Stddev	.007	.04	.05	.30	.014	.002	.07	.001	.006
%RSD	.3314	.1030	.1342	.7276	.6879	.1004	.1812	.0310	.3122
#1	1.998	40.27	40.91	41.82	2.116	2.032	40.82	2.056	2.020
#2	1.988	40.19	40.89	41.22	2.092	2.034	40.94	2.057	2.018
#3	1.985	40.23	40.99	41.59	2.091	2.030	40.81	2.055	2.030

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	1.999	2.015	2.487	2.051	2.027	2.056	2.021	2.058	2.078
Stddev	.005	.001	.003	.004	.002	.010	.004	.008	.004
%RSD	.2582	.0488	.1085	.1732	.0790	.4659	.2153	.4086	.1661
#1	1.998	2.015	2.486	2.048	2.026	2.067	2.016	2.067	2.082
#2	2.004	2.015	2.490	2.055	2.027	2.053	2.024	2.051	2.076
#3	1.994	2.013	2.485	2.050	2.029	2.049	2.022	2.055	2.077

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

7.1
7

Sample Name: CCV Acquired: 3/24/2016 10:36:27 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2154.0	4261.4	36312.	3233.1
Stddev	4.7	3.9	266.	25.1
%RSD	.22045	.09249	.73204	.77703
#1	2155.3	4257.9	36008.	3210.4
#2	2158.0	4260.7	36498.	3260.1
#3	2148.8	4265.7	36431.	3228.9

Sample Name: CCB Acquired: 3/24/2016 10:44:10 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.001	0.030	-0.001	-0.001	0.000	0.074	-0.001	0.000	0.000
Stddev	.0003	.0043	.0001	.0001	.000	.0003	.0001	.0000	.0002
%RSD	284.2	142.8	98.45	231.8	376.5	4.419	76.06	26.10	6357.
#1	-0.005	-0.012	-0.000	-0.000	0.000	0.072	-0.000	0.000	-0.000
#2	.0001	.0028	-0.001	-0.002	0.000	0.072	-0.001	0.000	-0.002
#3	0.000	0.074	-0.002	0.000	0.000	0.077	-0.002	0.000	-0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-0.001	0.022	-0.172	-0.0278	-0.001	0.002	0.050	-0.002	0.004
Stddev	.0001	.0025	.0300	.0044	.0000	.0000	.0060	.0001	.0004
%RSD	102.4	115.4	173.9	15.81	24.82	20.26	121.4	43.43	103.7
#1	-0.001	0.050	-0.441	-0.261	-0.001	0.002	-0.019	-0.001	0.009
#2	0.000	0.002	-0.226	-0.327	-0.001	0.001	0.094	-0.003	0.000
#3	-0.001	0.014	0.150	-0.245	-0.001	0.002	0.075	-0.003	0.004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	0.002	0.001	0.014	0.001	0.000	0.001	0.006	-0.001	-0.001
Stddev	.0004	.0002	.0002	.0002	.000	.0000	.0002	.0001	.0000
%RSD	184.4	267.0	13.98	138.2	162.2	20.67	36.09	99.08	23.38
#1	-0.002	-0.002	0.014	0.000	0.000	0.001	0.007	0.000	-0.001
#2	0.006	0.002	0.011	0.003	-0.001	0.001	0.007	-0.002	-0.001
#3	0.002	0.002	0.015	0.001	0.000	0.001	0.003	-0.001	-0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/24/2016 10:44:10 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2478.5	4520.0	38418.	3334.0
Stddev	3.6	9.0	227.	16.3
%RSD	.14345	.19848	.59187	.48924
#1	2479.3	4513.4	38283.	3352.5
#2	2474.6	4530.2	38681.	3321.6
#3	2481.6	4516.3	38291.	3328.0

Sample Name: CCV Acquired: 3/24/2016 11:33:46 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.2577	41.03	1.994	2.050	2.047	42.01	2.043	2.037	2.070
Stddev	.0012	.12	.001	.004	.003	.08	.002	.002	.004
%RSD	.4811	.3010	.0370	.1700	.1554	.1845	.0741	.0742	.1859
#1	.2569	40.97	1.993	2.049	2.045	41.94	2.044	2.038	2.071
#2	.2571	40.94	1.995	2.048	2.051	42.00	2.041	2.036	2.073
#3	.2591	41.17	1.994	2.054	2.045	42.09	2.042	2.038	2.066

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	2.000	40.31	40.69	41.81	2.068	2.026	40.80	2.026	2.008
Stddev	.004	.04	.08	.11	.007	.004	.06	.002	.001
%RSD	.1838	.0915	.1972	.2517	.3451	.2156	.1352	.1152	.0282
#1	2.001	40.28	40.60	41.69	2.074	2.024	40.83	2.028	2.009
#2	1.996	40.36	40.72	41.89	2.070	2.023	40.84	2.023	2.008
#3	2.004	40.31	40.76	41.84	2.060	2.031	40.74	2.027	2.008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	1.972	1.998	2.458	2.050	2.013	2.027	2.006	2.035	2.039
Stddev	.006	.010	.004	.003	.001	.004	.003	.003	.002
%RSD	.2869	.4866	.1569	.1366	.0563	.2026	.1397	.1412	.1127
#1	1.966	1.987	2.457	2.052	2.013	2.031	2.003	2.038	2.038
#2	1.971	2.004	2.455	2.047	2.011	2.026	2.008	2.034	2.037
#3	1.978	2.003	2.463	2.051	2.013	2.023	2.007	2.032	2.042

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

7.1
7

Sample Name: CCV Acquired: 3/24/2016 11:33:46 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2156.0	4296.9	36371.	3247.3
Stddev	4.1	11.3	82.	3.3
%RSD	.18884	.26357	.22555	.10068
#1	2160.1	4307.1	36314.	3251.0
#2	2155.8	4299.0	36334.	3244.9
#3	2152.0	4284.7	36465.	3245.8

Sample Name: CCB Acquired: 3/24/2016 11:37:56 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.0003	0.018	0.002	0.000	0.000	-0.0009	-0.001	-0.001	0.002
Stddev	.0002	.0073	.0006	.0003	.0000	.0010	.0000	.0001	.0002
%RSD	62.35	397.5	273.0	1185.	576.5	117.1	36.43	99.36	135.6
#1	-0.002	-0.012	0.008	0.003	0.000	0.003	0.000	0.000	0.001
#2	-0.005	0.010	0.001	0.001	0.000	-0.015	-0.001	0.000	0.000
#3	-0.001	-0.035	-0.003	-0.003	0.000	-0.015	0.000	-0.001	0.005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-0.0001	0.0052	0.108	-0.0003	0.000	0.008	0.0293	-0.0002	0.0003
Stddev	.0003	.0010	.0236	.0404	.000	.0004	.0005	.0002	.0005
%RSD	357.0	19.94	219.5	14390.	669.8	47.03	1.858	87.49	151.7
#1	.0002	0.0062	-0.103	0.030	0.000	0.011	0.029	0.000	-0.002
#2	-0.0001	0.0042	0.063	0.153	-0.001	0.008	0.0299	-0.0004	0.0005
#3	-0.0005	0.0051	0.064	-0.0461	0.000	0.004	0.0288	-0.0002	0.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	-0.0005	0.0014	0.023	0.001	-0.0001	0.006	0.003	0.001	-0.0002
Stddev	.0006	.0010	.0000	.0006	.0000	.0001	.0013	.0002	.0000
%RSD	134.2	70.93	1.209	667.5	30.35	11.37	459.1	222.4	19.67
#1	.0001	0.0003	0.023	0.001	-0.0001	0.007	-0.0002	0.000	-0.0002
#2	-0.0004	0.0017	0.024	-0.0005	-0.0001	0.006	0.0018	0.000	-0.0002
#3	-0.0012	0.0023	0.024	0.0006	-0.0001	0.006	-0.0007	0.000	-0.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/24/2016 11:37:56 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2480.0	4556.1	38295.	3270.7
Stddev	3.2	7.2	323.	13.4
%RSD	.12945	.15867	.84442	.41006
#1	2476.3	4547.8	38638.	3284.6
#2	2481.7	4561.0	38253.	3269.6
#3	2482.0	4559.5	37996.	3257.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30160-MB1 Acquired: 3/24/2016 11:46:56 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.003	-0.025	-0.017	0.000	-0.003	-0.047	-0.003	-0.002	0.000
Stddev	.0001	.0069	.0005	.000	.0001	.0027	.0000	.0001	.0000
%RSD	21.13	273.5	32.02	581.9	18.45	56.48	6.548	61.63	411.0
#1	-0.004	.0028	-0.020	.0000	-0.003	-0.018	-0.003	-0.001	.0000
#2	-0.003	-0.103	-0.011	.0001	-0.003	-0.070	-0.003	-0.002	.0000
#3	-0.003	-0.001	-0.020	-0.002	-0.004	-0.053	-0.003	-0.003	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-0.002	-0.075	0.143	-0.286	-0.003	-0.001	0.260	-0.006	0.006
Stddev	.0001	.0019	.0703	.0207	.0000	.0001	.0069	.0000	.0004
%RSD	59.94	24.99	492.6	72.29	11.77	258.7	26.54	1.240	77.82
#1	-0.001	-0.055	.0765	-0.384	-0.003	-0.002	.0334	-0.006	.0006
#2	-0.003	-0.092	.0284	-0.048	-0.003	.0001	.0249	-0.006	.0001
#3	-0.002	-0.078	-0.621	-0.425	-0.002	-0.001	.0197	-0.006	.0010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	-0.001	-0.007	0.078	-0.003	-0.003	-0.001	-0.001	-0.002	-0.003
Stddev	.0010	.0010	.0004	.0003	.0002	.0000	.0005	.0002	.0000
%RSD	916.9	137.5	4.741	100.7	57.64	55.20	431.8	79.04	8.762
#1	.0009	.0002	.0076	-0.003	-0.002	-0.001	.0004	-0.001	-0.003
#2	-0.003	-0.017	.0076	-0.005	-0.002	.0000	-0.001	-0.004	-0.003
#3	-0.009	-0.006	.0082	.0000	-0.005	-0.001	-0.006	-0.001	-0.003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30160-MB1 Acquired: 3/24/2016 11:46:56 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2491.8	4561.9	38792.	3260.4
Stddev	4.1	11.0	97.	11.4
%RSD	.16481	.24140	.24986	.35098
#1	2493.5	4574.6	38874.	3260.5
#2	2487.1	4556.6	38816.	3271.8
#3	2494.8	4554.5	38685.	3248.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30160-B1 Acquired: 3/24/2016 11:52:10 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	0.489	30.04	2.011	2.159	0.544	28.57	0.529	5.262	2.175
Stddev	.0008	.18	.009	.012	.0002	.08	.0002	.0007	.0008
%RSD	1.737	.6106	.4394	.5603	.4423	2.944	.4207	1.326	.3749
#1	.0497	29.83	2.004	2.146	.0541	28.49	.0526	.5255	.2185
#2	.0491	30.08	2.009	2.160	.0545	28.57	.0529	.5261	.2169
#3	.0480	30.19	2.021	2.170	.0546	28.66	.0530	.5269	.2173

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	2.658	29.01	27.36	28.74	5.515	5.186	27.60	5.290	5.075
Stddev	.0005	.23	.08	.20	.0021	.0005	.12	.0010	.0024
%RSD	.2014	.7931	.2816	.7108	.3816	.0936	.4275	.1886	.4664
#1	.2656	28.78	27.32	28.73	.5537	.5180	27.46	.5279	.5048
#2	.2664	29.01	27.31	28.54	.5495	.5189	27.65	.5292	.5091
#3	.2654	29.24	27.45	28.95	.5513	.5189	27.68	.5298	.5088

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	5.044	2.012	0.217	5.234	5.138	5.272	2.014	5.007	5.271
Stddev	.0016	.005	.0007	.0036	.0025	.0006	.009	.0006	.0013
%RSD	.3173	.2344	3.080	.6953	.4824	.1208	.4539	.1175	.2462
#1	.5029	2.008	.0211	5.202	.5114	5.267	2.007	.5013	.5257
#2	.5061	2.010	.0216	5.227	.5135	5.269	2.010	.5001	.5281
#3	.5043	2.017	.0224	5.273	.5164	5.279	2.024	.5008	.5277

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

7.1
7

Sample Name: MP30160-B1 Acquired: 3/24/2016 11:52:10 Type: QC
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2252.8	4349.2	36594.	3187.2
Stddev	5.0	7.8	65.	11.3
%RSD	.22101	.17914	.17897	.35547

#1	2258.3	4358.1	36588.	3197.8
#2	2248.6	4343.5	36663.	3188.6
#3	2251.7	4346.1	36532.	3175.3

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Sample Name: FA32283-5 Acquired: 3/24/2016 11:56:21 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
IS Ref	-0.011	0.042	0.163	0.423	-0.003	258.8	-0.012	0.103	0.006
Avg	-0.002	0.041	0.006	0.017	0.000	.5	0.001	0.001	0.004
Stddev	0.002	0.041	0.006	0.017	0.000	.5	0.001	0.001	0.004
%RSD	20.29	8.580	3.454	4.046	9.559	.1842	6.251	6.010	57.19

#1	-0.009	0.0529	0.157	0.4239	-0.004	259.1	-0.012	0.103	0.003
#2	-0.012	0.0451	0.165	0.4253	-0.003	259.1	-0.013	0.103	0.006
#3	-0.013	0.0466	0.168	0.4219	-0.003	258.3	-0.011	0.102	0.010

Elem	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
IS Ref	0.016	131.4	6.115	72.49	2.387	0.022	368.3	0.032	0.005
Avg	0.002	.6	0.033	.29	.007	0.002	2.1	0.002	0.007
Stddev	0.002	.6	0.033	.29	.007	0.002	2.1	0.002	0.007
%RSD	14.06	.4446	.5391	.4058	.3000	7.246	.5572	6.307	144.6

#1	.0015	131.2	6.077	72.36	2.384	.0021	369.3	.0030	.0013
#2	.0018	132.1	6.129	72.83	2.395	.0024	369.6	.0032	.0002
#3	.0014	130.9	6.139	72.28	2.382	.0021	365.9	.0034	.0000

Elem	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
IS Ref	0.010	-0.006	8.585	0.023	1.530	0.022	-0.023	0.009	0.0591
Avg	0.010	0.016	0.06	0.002	0.06	0.002	0.002	0.001	0.003
Stddev	0.010	0.016	0.06	0.002	0.06	0.002	0.002	0.001	0.003
%RSD	103.5	270.5	.0670	9.998	.3722	6.840	9.387	15.97	.5247

#1	.0011	.0006	8.584	.0024	1.527	.0023	-0.025	.0010	.0593
#2	-0.001	.0000	8.591	.0020	1.537	.0023	-0.023	.0008	.0591
#3	.0020	-0.0025	8.580	.0024	1.527	.0020	-0.021	.0008	.0587

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2006.3	4009.8	33640.	3117.6
Stddev	6.3	7.8	70.	9.3
%RSD	.31534	.19348	.20714	.29801

#1	2007.0	4011.3	33702.	3119.9
#2	2012.2	4016.6	33565.	3107.4
#3	1999.6	4001.3	33654.	3125.6

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7.1
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Sample Name: MP30160-D1 Acquired: 3/24/2016 12:00:53 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
IS Ref	-0.011	0.0501	0.163	0.4226	-0.004	257.3	-0.013	0.103	0.007
Avg	-0.002	0.093	0.012	0.032	0.000	3.1	0.001	0.000	0.003
Stddev	0.002	0.093	0.012	0.032	0.000	3.1	0.001	0.000	0.003
%RSD	18.83	18.48	7.433	.7591	8.341	1.203	7.534	.4671	35.80

#1	-0.011	0.0394	0.176	0.4260	-0.003	260.1	-0.014	0.103	0.008
#2	-0.009	0.0553	0.152	0.4222	-0.004	253.9	-0.012	0.103	0.009
#3	-0.013	0.0555	0.161	0.4196	-0.004	257.8	-0.012	0.104	0.004

Elem	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_3710)	Na5895 (Y_2243)	Ni2316 (In2306)	Pb2203 (In2306)
IS Ref	0.016	131.1	6.200	72.75	2.387	0.016	363.5	0.031	0.013
Avg	0.002	.7	0.022	.36	.006	0.001	3.4	0.002	0.011
Stddev	0.002	.7	0.022	.36	.006	0.001	3.4	0.002	0.011
%RSD	11.14	.5141	.3597	.5005	.2549	3.257	.9472	7.673	88.99

#1	.0017	131.8	6.222	73.15	2.394	.0015	366.7	.0030	.0019
#2	.0018	130.5	6.201	72.64	2.382	.0016	363.8	.0033	.0019
#3	.0014	130.9	6.177	72.45	2.385	.0016	359.9	.0029	.0000

Elem	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
IS Ref	-0.005	-0.011	8.547	0.017	1.525	0.023	-0.010	0.011	0.0588
Avg	0.007	0.030	0.015	0.003	0.009	0.004	0.001	0.001	0.001
Stddev	0.007	0.030	0.015	0.003	0.009	0.004	0.001	0.001	0.001
%RSD	125.0	272.8	.1710	16.91	.5952	17.17	7.224	9.731	2.448

#1	-0.007	0.020	8.552	0.015	1.535	0.028	-0.009	0.010	0.0587
#2	-0.011	-0.013	8.530	0.016	1.517	0.021	-0.010	0.011	0.0586
#3	.0002	-0.040	8.558	0.020	1.524	0.021	-0.011	0.012	0.0589

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2017.3	4026.6	33629.	3110.2
Stddev	1.2	8.0	103.	10.4
%RSD	.06195	.19834	.30487	.33413

#1	2018.0	4033.6	33588.	3098.8
#2	2018.0	4028.4	33745.	3112.9
#3	2015.9	4017.9	33552.	3119.0

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Sample Name: MP30160-SD1 Acquired: 3/24/2016 12:05:28 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
IS Ref	-0.028	0.0426	0.113	0.3952	-0.016	250.3	-0.028	0.095	0.012
Avg	0.010	0.360	0.049	0.040	0.004	1.8	0.001	0.004	0.005
Stddev	0.010	0.360	0.049	0.040	0.004	1.8	0.001	0.004	0.005
%RSD	36.89	84.50	43.02	1.019	28.40	.7008	4.567	4.310	43.25

#1	-0.022	0.015	0.144	.3968	-0.020	252.1	-0.029	0.099	0.017
#2	-0.040	0.0580	0.137	.3981	-0.011	250.4	-0.027	0.091	0.007
#3	-0.022	0.0682	0.057	.3906	-0.016	248.6	-0.027	0.095	0.012

Elem	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
IS Ref	0.004	129.4	5.908	69.46	2.326	-0.011	352.6	0.010	-0.021
Avg	0.003	.6	.197	.74	.005	0.008	1.9	0.005	0.022
Stddev	0.003	.6	.197	.74	.005	0.008	1.9	0.005	0.022
%RSD	80.83	.4988	3.326	1.060	.1962	66.44	.5302	46.47	102.6

#1	.0001	130.0	5.989	70.27	2.331	-0.005	353.9	.0006	-0.042
#2	.0004	129.4	6.051	69.28	2.323	-0.009	353.4	.0009	-0.024
#3	.0008	128.7	5.684	68.83	2.324	-0.020	350.5	.0015	.0002

Elem	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
IS Ref	0.019	-0.003	7.955	0.053	1.452	0.042	-0.041	-0.003	0.0876
Avg	0.021	0.047	0.033	0.028	0.08	0.004	0.035	0.002	0.001
Stddev	0.021	0.047	0.033	0.028	0.08	0.004	0.035	0.002	0.001
%RSD	110.8	1836.	.4181	52.21	.5205	9.224	84.13	54.20	.0589

#1	.0031	-0.0039	7.927	.0080	1.454	.0038	-0.0056	-0.0003	.0876
#2	.0032	0.0051	7.992	0.054	1.458	.0044	-0.0002	-0.0002	.0875
#3	-0.005	-0.019	7.946	.0025	1.443	.0045	-0.0066	-0.0005	.0876

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2250.5	4329.5	35941.	3158.5
Stddev	1.8	8.3	15.	22.5
%RSD	.07935	.19220	.04174	.71177

#1	2249.6	4334.1	35948.	3132.6
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Sample Name: MP30160-PS1 Acquired: 3/24/2016 12:09:56 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0524	2.824	.1260	.6927	.0545	258.4	.0517	.0623	.0557
Stddev	.0006	.008	.0002	.0030	.0004	1.2	.0002	.0002	.0002
%RSD	1.091	.2862	.1844	.4368	.6702	.4744	.3143	.3324	.3100
#1	.0523	2.833	.1258	.6958	.0549	259.8	.0518	.0625	.0556
#2	.0519	2.818	.1258	.6927	.0542	257.6	.0515	.0622	.0559
#3	.0530	2.820	.1262	.6897	.0543	257.8	.0518	.0621	.0556
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1138	131.4	17.09	76.52	2.377	1.060	F 368.3	1.058	.0516
Stddev	.0009	.5	.11	.43	.008	.0001	4.0	.0003	.0002
%RSD	.7649	.4028	.6195	.5630	.3253	.1311	1.079	.3191	.3384
#1	.1136	132.0	17.14	77.00	2.386	1.061	371.7	1.061	.0518
#2	.1132	131.2	17.17	76.16	2.370	1.058	369.3	1.054	.0516
#3	.1148	131.0	16.97	76.41	2.376	1.061	363.9	1.058	.0515
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1123	1.046	8.348	.0508	1.544	1.097	.0952	.0532	.3321
Stddev	.0005	.0018	.007	.0003	.008	.0003	.0019	.0002	.0009
%RSD	.4806	1.737	.0795	.6685	.5031	.2656	1.969	.2936	.2682
#1	.1118	1.067	8.345	.0505	1.548	1.097	.0945	.0531	.3324
#2	.1129	1.035	8.343	.0506	1.549	1.099	.0938	.0532	.3311
#3	.1123	1.036	8.356	.0511	1.535	1.094	.0974	.0534	.3328
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2001.1	4030.7	3389.3	3084.9					
Stddev	2.7	9.2	84.	11.9					
%RSD	.13663	.22853	.24729	.38572					
#1	2004.2	4027.9	33798.	3075.5					
#2	1999.0	4041.0	33954.	3080.9					
#3	2000.1	4023.3	33929.	3098.3					

7.1
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Sample Name: MP30160-S1 Acquired: 3/24/2016 12:14:22 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0519	30.91	2.122	2.621	.0546	285.3	.0500	.5156	.2145
Stddev	.0006	.03	.004	.004	.0002	1.3	.0002	.0015	.0010
%RSD	1.201	.0878	.1707	.1540	.4447	.4659	.4610	.2815	.4585
#1	.0522	30.89	2.126	2.618	.0544	286.8	.0503	.5162	.2149
#2	.0524	30.90	2.119	2.619	.0548	284.4	.0499	.5139	.2153
#3	.0512	30.94	2.121	2.625	.0548	284.7	.0499	.5166	.2134
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2757	159.5	35.09	102.8	2.860	1.519	F 390.9	1.5086	.5054
Stddev	.0003	.3	.12	.3	.009	.0014	1.5	.0019	.0022
%RSD	.1064	.1933	.3448	.2665	.3282	.2776	.3719	.3644	.4359
#1	.2760	159.3	35.15	103.0	2.860	1.5153	390.8	1.5105	.5079
#2	.2756	159.3	35.17	102.5	2.850	1.5125	398.6	1.5068	.5043
#3	.2755	159.8	34.95	103.0	2.869	1.5138	392.5	1.5084	.5039
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5226	2.095	8.454	.5129	2.048	5.278	1.917	.5032	.5707
Stddev	.0045	.003	.022	.0012	.002	.0004	.005	.0007	.0020
%RSD	.8614	.1248	.2581	.2358	.0885	.0838	.2518	.1444	.3536
#1	.5215	2.098	8.474	.5124	2.049	5.275	1.922	.5024	.5729
#2	.5187	2.093	8.430	.5121	2.046	5.275	1.912	.5033	.5690
#3	.5275	2.095	8.457	.5143	2.048	5.283	1.918	.5039	.5701
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1953.9	3992.6	3328.3	3024.7					
Stddev	2.6	4.1	55.	1.8					
%RSD	.13219	.10191	.16454	.06073					
#1	1956.7	3992.4	3325.8	3023.3					
#2	1953.3	3996.8	3334.5	3026.8					
#3	1951.7	3988.7	3324.5	3024.1					

Sample Name: MP30160-S2 Acquired: 3/24/2016 12:18:58 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0518	30.56	2.090	2.610	.0537	286.0	.0494	.5102	.2118
Stddev	.0004	.25	.004	.021	.0003	2.9	.0002	.0010	.0015
%RSD	.7481	.8077	.2047	.8209	.6434	1.019	.3979	.1886	.7220
#1	.0522	30.28	2.093	2.586	.0534	283.4	.0496	.5111	.2124
#2	.0515	30.75	2.091	2.627	.0541	289.1	.0493	.5092	.2130
#3	.0517	30.64	2.085	2.616	.0535	285.5	.0493	.5104	.2101
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2723	159.5	34.73	102.7	2.867	1.5091	F 390.8	1.5007	.4998
Stddev	.0004	1.3	.28	.8	.016	.0009	3.4	.0010	.0012
%RSD	.1638	.8034	.8089	.7926	.5599	.1794	.8805	.2019	.2361
#1	.2724	158.1	34.44	101.8	2.879	1.5101	387.1	1.5016	.5009
#2	.2718	160.4	35.00	103.2	2.873	1.5085	391.3	1.4996	.4985
#3	.2727	160.2	34.75	103.2	2.849	1.5087	393.9	1.5009	.4999
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5165	2.069	8.517	.5071	2.049	5.224	1.890	.4948	.5639
Stddev	.0018	.004	.007	.0022	.015	.0025	.002	.0016	.0016
%RSD	.3432	.1951	.0791	.4362	.7091	.4787	.1015	.3334	.2835
#1	.5167	2.071	8.524	.5082	2.033	5.246	1.892	.4949	.5654
#2	.5181	2.065	8.510	.5046	2.061	5.228	1.888	.4963	.5622
#3	.5146	2.072	8.517	.5087	2.053	5.197	1.889	.4930	.5641
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1969.9	4036.5	3376.3	3054.1					
Stddev	3.5	7.2	24.3	25.5					
%RSD	.17749	.17909	.71903	.83378					
#1	1966.1	4028.4	3361.7	3081.0					
#2	1973.0	4042.2	3363.0	3030.4					
#3	1970.7	4039.0	3404.4	3050.8					

Sample Name: FA32283-1 Acquired: 3/24/2016 12:23:34 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0011	.0257	.0119	.5067	.0000	210.2	-.0012	.0061	.0007
Stddev	.0001	.0091	.0009	.0016	.000	.9	.0000	.0002	.0002
%RSD	8.453	35.42	7.343	.3153	324.7	4.050	1.705	3.810	25.94
#1	-.0010	.0153	.0117	.5086	.0000	211.2	-.0012	.0063	.0006
#2	-.0011	.0321	.0111	.5058	.0000	209.8	-.0012	.0062	.0009
#3	-.0012	.0297	.0128	.5058	.0000	209.7	-.0012	.0059	.0006
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0045	87.38	5.428	61.86	1.956	.0005	F 532.6	.0028	.0005
Stddev	.0002	.19	.042	.41	.006	.0001	2.4	.0001	.0002
%RSD	4.444	.2122	.7646	.6611	.3011	30.26	.4553	1.933	34.97
#1	.0047	87.59	5.381	62.22	1.962	.0006	533.6	.0028	.0007
#2	.0043	87.24	5.460	61.41	1.951	.0005	534.4	.0028	.0003
#3	.0045	87.31	5.443	61.94	1.953	.0003	529		

Sample Name: CCV Acquired: 3/24/2016 12:28:06 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2573	41.75	1.964	2.074	2.067	43.09	2.025	2.029	2.069
Stddev	.0008	.11	.006	.007	.006	.10	.004	.005	.005
%RSD	.2929	.2580	.3219	.3344	.2835	.2328	.2159	.2285	.2553
#1	.2571	41.87	1.961	2.081	2.070	43.10	2.022	2.026	2.071
#2	.2581	41.73	1.971	2.072	2.060	42.99	2.030	2.034	2.063
#3	.2566	41.66	1.959	2.068	2.071	43.19	2.023	2.026	2.073

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.002	40.86	40.75	43.03	2.059	2.016	40.54	2.003	2.008
Stddev	.007	.10	.12	.12	.006	.005	.12	.005	.002
%RSD	.3467	.2356	.2972	.2684	.2946	.2301	.2875	.2364	.0941
#1	1.999	40.91	40.81	43.10	2.062	2.012	40.64	2.002	2.008
#2	2.010	40.75	40.61	42.89	2.052	2.021	40.41	2.009	2.009
#3	1.997	40.91	40.82	43.08	2.062	2.016	40.55	1.999	2.005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.946	1.977	2.433	2.053	2.009	2.011	1.999	2.020	2.012
Stddev	.009	.002	.007	.005	.004	.004	.002	.003	.007
%RSD	.4873	.0771	.2814	.2369	.2220	.1732	.0802	.1626	.3340
#1	1.937	1.979	2.426	2.048	2.014	2.013	2.001	2.021	2.008
#2	1.956	1.976	2.440	2.058	2.005	2.007	1.998	2.016	2.020
#3	1.945	1.976	2.433	2.054	2.008	2.013	1.999	2.023	2.008

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/24/2016 12:28:06 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2154.1	4332.5	36387.	3130.3
Stddev	2.4	9.6	169.	8.7
%RSD	.11312	.22206	.46531	.27794
#1	2156.6	4341.8	36393.	3127.5
#2	2154.1	4322.6	36554.	3140.1
#3	2151.7	4333.0	36215.	3123.4

Sample Name: CCB Acquired: 3/24/2016 12:32:16 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	.0010	-0.0003	.0001	.0000	.0035	-0.0001	.0000	.0000
Stddev	.0001	.0058	.0004	.0002	.000	.0011	.0001	.0001	.000
%RSD	50.46	565.2	157.7	193.0	133.2	31.58	123.7	159.4	308.1
#1	-.0002	-.0057	-.0001	.0002	-.0001	.0047	.0000	.0000	-.0001
#2	-.0002	.0049	-.0001	.0002	-.0001	.0027	-.0001	.0001	-.0001
#3	-.0001	.0039	-.0007	-.0001	.0000	.0030	-.0001	.0000	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	.0161	.0269	-0.0193	-0.0001	.0007	.0665	-0.0003	.0003
Stddev	.0004	.0050	.0176	.0187	.0000	.0004	.0065	.0001	.0004
%RSD	188.8	30.84	65.59	96.65	23.05	48.52	7.555	23.12	143.9
#1	-.0003	.0217	.0385	-.0016	-.0001	.0011	.0851	-.0003	.0004
#2	.0002	.0137	.0355	-.0389	-.0001	.0007	.0808	-.0004	.0007
#3	-.0007	.0127	.0066	-.0175	-.0001	.0004	.0937	-.0004	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	-0.0007	.0027	.0008	-0.0001	.0004	.0012	.0001	-0.0002
Stddev	.0006	.0019	.0005	.0003	.0001	.0000	.0004	.0001	.0000
%RSD	205.0	266.0	18.43	33.07	75.71	11.26	31.37	88.32	7.810
#1	-.0009	-.0023	.0033	.0010	.0000	.0005	.0014	.0003	-.0002
#2	-.0002	-.0012	.0024	.0005	-.0001	.0004	.0014	.0000	-.0002
#3	.0003	.0014	.0024	.0009	-.0001	.0004	.0008	.0001	-.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/24/2016 12:32:16 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2465.1	4592.0	38575.	3268.4
Stddev	2.6	5.1	127.	18.5
%RSD	.10383	.11124	.32991	.56582
#1	2464.7	4594.0	38490.	3264.5
#2	2467.8	4595.8	38721.	3252.1
#3	2462.8	4586.2	38513.	3288.5

Sample Name: FA32283-2 Acquired: 3/24/2016 12:36:50 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.009	0.0292	0.0362	0.3454	-0.0003	176.8	-0.0015	0.027	0.009
Stddev	0.004	0.0104	0.0005	0.0017	0.0001	1.3	0.0001	0.001	0.003
%RSD	38.38	35.55	1.314	4.924	20.08	7.333	9.664	2.396	36.82
#1	-0.013	0.0412	0.0356	0.3473	-0.002	177.7	-0.016	0.028	0.006
#2	-0.007	0.0233	0.0364	0.3450	-0.003	177.5	-0.015	0.027	0.009
#3	-0.007	0.0232	0.0365	0.3440	-0.003	175.3	-0.013	0.027	0.013
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.017	120.9	4.463	53.71	1.735	0.018	F 191.7	0.025	0.004
Stddev	0.001	7	0.032	0.73	0.10	0.002	1.9	0.001	0.003
%RSD	7.832	6.157	0.7212	1.357	5.789	8.546	1.002	2.255	62.49
#1	0.018	121.4	4.460	54.23	1.734	0.019	189.8	0.024	0.002
#2	0.017	121.2	4.497	54.02	1.746	0.020	193.7	0.024	0.007
#3	0.015	120.0	4.433	52.87	1.726	0.017	191.6	0.025	0.003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.000	-0.013	9.175	0.013	1.078	0.019	-0.028	0.012	0.1023
Stddev	0.001	0.025	0.019	0.006	0.01	0.002	0.005	0.002	0.004
%RSD	187.4	192.3	0.2097	44.49	0.0859	9.054	17.75	16.57	4.399
#1	-0.005	-0.030	9.169	0.006	1.079	0.019	-0.025	0.014	0.1019
#2	-0.004	0.016	9.160	0.015	1.077	0.021	-0.025	0.012	0.1021
#3	-0.008	-0.026	9.197	0.016	1.078	0.018	-0.034	0.010	0.1028
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2113.5	4144.2	34642.	3118.6					
Stddev	3.4	8.8	113.	12.0					
%RSD	0.16200	0.21238	0.32751	0.38480					
#1	2117.4	4152.3	34771.	3107.2					
#2	2111.1	4145.5	34556.	3117.4					
#3	2112.1	4134.9	34600.	3131.2					

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Sample Name: CCV Acquired: 3/24/2016 12:47:06 Type: QC
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2564	41.52	1.947	2.065	2.046	42.84	2.009	2.017	2.064
Stddev	0.003	.13	.005	.006	.006	.19	.004	.000	.004
%RSD	0.1353	0.3069	0.2789	0.3043	0.3083	0.4398	0.2209	0.1666	0.1779
#1	2560	41.42	1.944	2.058	2.043	42.66	2.014	2.016	2.064
#2	2567	41.47	1.953	2.065	2.043	42.81	2.008	2.017	2.060
#3	2566	41.66	1.944	2.071	2.054	43.03	2.005	2.017	2.067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.998	40.54	40.61	42.73	2.048	2.007	40.44	1.983	1.990
Stddev	0.010	.13	.18	.21	.005	.002	.22	.007	.003
%RSD	0.4799	0.3165	0.4546	0.5028	0.2382	0.0794	0.5484	0.3562	0.1630
#1	1.999	40.42	40.45	42.60	2.053	2.005	40.26	1.990	1.994
#2	2.007	40.52	40.56	42.62	2.044	2.007	40.37	1.982	1.989
#3	1.988	40.67	40.81	42.98	2.048	2.009	40.69	1.976	1.988
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.930	1.961	2.408	2.039	1.992	2.000	1.981	2.003	1.993
Stddev	0.005	0.005	0.001	0.006	0.007	0.005	0.004	0.004	0.011
%RSD	0.2656	0.2397	0.0588	0.3146	0.3765	0.2471	0.2015	0.2058	0.5341
#1	1.927	1.963	2.407	2.046	1.988	2.006	1.977	2.004	2.005
#2	1.927	1.964	2.407	2.039	1.987	1.996	1.981	1.998	1.991
#3	1.936	1.955	2.410	2.033	2.001	1.999	1.985	2.006	1.984
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: FA32283-3 Acquired: 3/24/2016 12:41:22 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.010	0.1527	0.0172	0.4403	-0.0002	207.6	-0.0013	0.022	0.009
Stddev	0.004	0.0073	0.0007	0.0021	0.0001	6	0.0001	0.001	0.001
%RSD	46.11	4.785	4.120	4.776	28.37	2938	8.698	4.583	10.25
#1	-0.005	0.1443	0.0170	0.4386	-0.003	206.9	-0.012	0.023	0.008
#2	-0.014	0.1567	0.0167	0.4397	-0.002	208.1	-0.014	0.021	0.009
#3	-0.010	0.1572	0.0180	0.4426	-0.002	207.9	-0.013	0.023	0.009
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.012	100.6	6.164	62.87	1.849	0.005	F 164.5	0.020	-0.006
Stddev	0.001	4	0.033	0.21	0.03	0.003	2.2	0.001	0.005
%RSD	12.08	4.109	0.5339	0.3307	1.824	47.11	1.354	4.082	87.65
#1	0.010	100.2	6.175	62.66	1.852	0.008	161.9	0.020	-0.010
#2	0.013	101.0	6.127	62.87	1.846	0.005	166.1	0.021	-0.000
#3	0.012	100.7	6.190	63.08	1.850	0.003	165.4	0.019	-0.009
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0005	-0.0008	10.51	0.009	1.250	0.057	-0.0021	0.010	0.1104
Stddev	0.009	0.014	0.02	0.000	0.04	0.003	0.007	0.001	0.005
%RSD	175.7	182.0	0.1714	2.977	0.3598	5.949	34.34	13.08	4.417
#1	0.005	-0.017	10.52	0.008	1.246	0.060	-0.029	0.008	0.1099
#2	-0.007	0.008	10.48	0.009	1.255	0.053	-0.017	0.010	0.1109
#3	-0.014	-0.014	10.52	0.009	1.250	0.058	-0.016	0.011	0.1104
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2092.2	4116.7	34511.	3074.2					
Stddev	3.2	4.1	96.	17.3					
%RSD	0.15321	0.10010	0.27723	0.56315					
#1	2094.0	4116.5	34409.	3091.7					
#2	2088.5	4120.9	34523.	3057.0					
#3	2094.0	4112.7	34600.	3073.8					

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Sample Name: CCV Acquired: 3/24/2016 12:47:06 Type: QC
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2164.2	4362.0	36520.	3162.3
Stddev	2.2	.8	47.	19.6
%RSD	0.10282	0.1741	0.12741	0.61920
#1	2162.1	4362.7	36494.	3182.9
#2	2163.9	4361.9	36574.	3160.1
#3	2166.5	4361.2	36493.	3143.9

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Sample Name: CCB Acquired: 3/24/2016 12:53:20 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	-0.0035	-0.002	0.001	-0.001	-0.001	-0.001	-0.001	0.002
Stddev	0.004	0.0083	0.011	0.001	0.001	0.0058	0.000	0.000	0.001
%RSD	144.3	239.1	700.4	50.94	79.70	6419.	22.97	54.61	77.23
#1	-0.005	-0.014	-0.003	0.001	0.000	0.038	-0.001	0.000	0.000
#2	-0.004	-0.126	0.010	0.002	-0.003	-0.067	-0.001	-0.001	0.002
#3	0.002	0.036	-0.012	0.002	-0.001	0.026	-0.001	-0.001	0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	0.064	0.255	0.034	-0.001	0.002	0.536	-0.003	0.002
Stddev	0.003	0.012	0.128	0.146	0.000	0.001	0.029	0.001	0.002
%RSD	82.75	18.93	50.34	426.7	16.56	83.79	5.471	48.70	130.5
#1	-0.001	0.078	0.211	0.048	-0.001	0.002	0.526	-0.003	0.003
#2	-0.002	0.058	0.399	0.173	-0.001	0.003	0.569	-0.004	-0.001
#3	-0.006	0.056	0.154	-0.118	-0.001	0.000	0.513	-0.001	0.004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.002	0.003	0.027	0.004	-0.002	0.001	0.006	-0.001	-0.002
Stddev	0.005	0.005	0.003	0.003	0.001	0.001	0.002	0.001	0.000
%RSD	314.3	145.0	11.47	85.05	62.36	116.7	28.04	134.0	19.39
#1	0.002	0.000	0.026	0.001	0.000	0.001	0.008	0.000	-0.002
#2	-0.003	0.001	0.031	0.007	-0.002	0.002	0.005	-0.003	-0.003
#3	0.006	0.008	0.025	0.003	-0.002	0.000	0.006	0.000	-0.002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/24/2016 12:53:20 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2457.5	4572.1	38204.	3171.8
Stddev	1.5	5.1	160.	18.8
%RSD	0.06234	0.11240	0.41839	0.59336
#1	2456.2	4566.2	38245.	3175.5
#2	2459.2	4575.6	38339.	3188.5
#3	2457.2	4574.6	38028.	3151.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: FA32283-4 Acquired: 3/24/2016 12:56:56 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.007	0.827	0.194	2.982	-0.001	130.5	-0.010	0.039	0.010
Stddev	0.001	0.042	0.007	0.004	0.001	0.6	0.001	0.001	0.002
%RSD	19.12	5.127	3.426	0.1427	78.50	0.4914	0.001	1.362	20.60
#1	-0.007	0.870	0.186	2.979	-0.001	131.2	-0.011	0.039	0.010
#2	-0.008	0.827	0.198	2.987	-0.001	130.3	-0.010	0.038	0.008
#3	-0.006	0.785	0.197	2.980	-0.002	129.9	-0.010	0.039	0.012

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.011	59.55	7.096	36.90	1.275	0.007	139.2	0.026	0.000
Stddev	0.002	0.21	0.039	0.31	0.07	0.001	4	0.001	0.01
%RSD	17.49	0.3549	0.5436	0.8369	5.434	11.06	2.958	3.844	1697.
#1	0.012	59.79	7.113	37.24	1.272	0.008	139.6	0.025	-0.004
#2	0.013	59.48	7.122	36.83	1.269	0.007	139.0	0.027	0.007
#3	0.009	59.39	7.051	36.64	1.283	0.007	138.9	0.027	-0.005

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.001	-0.009	9.257	0.002	0.8365	0.040	-0.021	0.008	0.195
Stddev	0.006	0.016	0.07	0.001	0.028	0.005	0.007	0.001	0.001
%RSD	1138.	187.5	0.774	47.98	3.343	11.93	32.84	9.164	0.4031
#1	0.006	0.010	9.260	0.001	0.8393	0.040	-0.019	0.008	0.196
#2	0.002	-0.020	9.249	0.003	0.8337	0.035	-0.029	0.008	0.195
#3	-0.006	-0.015	9.263	0.002	0.8363	0.045	-0.015	0.007	0.195

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2154.4	4241.6	35338.	3101.1
Stddev	1.4	1.7	228.	23.6
%RSD	0.06405	0.03893	0.64383	0.76132
#1	2155.7	4240.0	35562.	3077.1
#2	2152.9	4243.3	35345.	3102.1
#3	2154.6	4241.5	35107.	3124.3

Sample Name: FA32283-6 Acquired: 3/24/2016 13:01:21 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.006	1.724	0.092	3.831	-0.003	288.1	-0.010	0.171	0.020
Stddev	0.002	0.18	0.010	0.010	0.000	2.9	0.001	0.003	0.003
%RSD	34.46	1.061	11.28	0.2590	14.58	9940	7.753	1.587	14.83
#1	-0.009	1.703	0.085	3.819	-0.003	286.7	-0.010	0.173	0.024
#2	-0.005	1.736	0.104	3.834	-0.002	291.4	-0.010	0.168	0.018
#3	-0.005	1.732	0.088	3.838	-0.003	286.1	-0.009	0.172	0.019

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.025	52.91	9.863	35.56	1.090	0.108	323.8	0.082	0.014
Stddev	0.001	0.13	0.031	0.12	0.005	0.000	4.8	0.003	0.004
%RSD	4.218	0.2459	0.3109	0.3294	0.4348	2951	1.487	3.066	24.96
#1	0.024	52.87	9.854	35.46	1.096	0.108	320.1	0.081	0.018
#2	0.026	53.06	9.837	35.69	1.088	0.109	329.2	0.085	0.011
#3	0.024	52.81	9.897	35.54	1.088	0.108	322.1	0.081	0.015

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.000	0.011	8.466	0.006	1.516	0.061	-0.011	0.034	0.075
Stddev	0.015	0.024	0.020	0.002	0.01	0.032	0.006	0.002	0.001
%RSD	52770.	211.3	0.2342	25.88	0.0497	4.798	52.80	4.582	0.5236
#1	-0.010	0.039	8.488	0.006	1.515	0.0627	-0.018	0.034	0.074
#2	-0.018	-0.003	8.461	0.007	1.517	0.0666	-0.009	0.035	0.075
#3	-0.007	-0.002	8.449	0.004	1.516	0.0690	-0.007	0.032	0.076

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2018.8	4131.5	34218.	3052.3
Stddev	0.9	6.5	67.	17.9
%RSD	0.04263	0.15815	0.19619	0.58796
#1	2019.7	4139.0	34148.	3053.5
#2	2018.5	4126.9	34281.	3033.8
#3	2018.1	4128.8	34227.	3069.7

Sample Name: FA32283-8 Acquired: 3/24/2016 13:06:01 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Table with 10 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 10 rows of data for various elements like Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677.

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Sample Name: FA32437-1 Acquired: 3/24/2016 13:14:53 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Table with 10 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 10 rows of data for various elements like Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677.

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Sample Name: FA32426-1 Acquired: 3/24/2016 13:10:27 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Table with 10 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 10 rows of data for various elements like Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677.

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Sample Name: FA32437-2 Acquired: 3/24/2016 13:19:22 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Table with 10 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 10 rows of data for various elements like Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677.

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7.1 7

Sample Name: FA32437-3 Acquired: 3/24/2016 13:23:51 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Aq3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	0.276	-0.012	0.020	-0.003	97.39	-0.002	-0.003	0.015
Stddev	.0004	.0106	.0008	.0005	.0000	.31	.0000	.0000	.0002
%RSD	60.91	3.873	71.32	2.081	5.136	.3203	4.828	16.21	15.21
#1	-0.009	0.2846	-0.013	0.0258	-0.003	97.24	-0.002	-0.003	0.018
#2	-0.002	0.2651	-0.019	0.0266	-0.003	97.75	-0.002	-0.004	0.014
#3	-0.006	0.2680	-0.003	0.0255	-0.003	97.18	-0.002	-0.003	0.013
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.000	0.5349	1.573	2.581	0.016	-0.002	17.65	-0.005	0.034
Stddev	.0000	.0056	.021	.036	.0000	.0001	.03	.0001	.0005
%RSD	85.39	1.044	1.352	1.386	.3535	40.96	.1874	18.23	15.53
#1	.0000	0.5294	1.550	2.540	0.016	-0.003	17.68	-0.004	0.029
#2	.0001	0.5406	1.593	2.605	0.016	-0.001	17.63	-0.006	0.040
#3	.0000	0.5347	1.575	2.597	0.015	-0.002	17.62	-0.004	0.034
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.008	0.002	5.028	0.001	0.1576	0.089	-0.008	0.013	0.098
Stddev	.0006	.0011	.016	.0001	.0005	.0005	.0005	.0000	.0000
%RSD	79.25	646.7	0.3079	79.15	0.2867	5.139	63.33	3.134	0.3849
#1	-0.001	-0.009	5.016	0.001	0.1579	0.091	-0.003	0.013	0.097
#2	-0.013	0.012	5.046	0.000	0.1570	0.091	-0.007	0.012	0.097
#3	-0.008	0.001	5.024	0.002	0.1577	0.083	-0.013	0.013	0.098
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2318.8	4465.3	37169.	3121.8					
Stddev	6.9	10.8	159.	3.3					
%RSD	0.2942	0.2405	0.42780	0.10557					
#1	2321.8	4476.9	37158.	3123.5					
#2	2323.6	4463.6	37017.	3118.0					
#3	2310.8	4455.5	37334.	3123.8					

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Sample Name: FA32460-4 Acquired: 3/24/2016 13:28:22 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Aq3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	2.234	-0.002	0.066	-0.002	5.607	-0.003	0.188	0.048
Stddev	.0003	.005	.0006	.0012	.0000	.064	.0000	.0002	.0001
%RSD	43.30	0.2294	290.6	1.838	20.95	1.139	4.467	0.8903	1.428
#1	-0.005	2.238	0.004	0.0676	-0.002	5.671	-0.003	0.189	0.047
#2	-0.004	2.235	-0.002	0.0652	-0.002	5.544	-0.003	0.186	0.048
#3	-0.009	2.228	-0.009	0.0669	-0.002	5.605	-0.003	0.188	0.048
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0024	6.433	2.101	0.9366	0.0931	-0.001	11.41	0.082	0.018
Stddev	.0001	.087	.025	.0137	.0002	.0000	.14	.0001	.0003
%RSD	5.999	1.355	1.182	1.467	.1657	5.584	1.223	.7365	14.15
#1	.0023	6.525	2.077	0.9255	0.0930	-0.001	11.55	0.082	0.021
#2	.0022	6.352	2.099	0.9519	0.0930	-0.001	11.27	0.081	0.018
#3	.0025	6.422	2.126	0.9324	0.0933	-0.001	11.40	0.082	0.016
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.005	0.004	5.813	0.005	0.0213	0.186	-0.011	0.097	0.149
Stddev	.0004	.0009	.014	.0002	.0005	.0000	.0007	.0001	.0001
%RSD	72.43	198.2	0.2338	35.49	2.156	0.1355	70.44	0.9313	0.4425
#1	-0.002	0.009	5.800	0.004	0.0217	0.187	-0.002	0.098	0.150
#2	-0.004	0.010	5.827	0.004	0.0208	0.187	-0.015	0.096	0.150
#3	-0.009	-0.006	5.812	0.007	0.0212	0.186	-0.015	0.096	0.148
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2437.8	4675.0	39095.	3242.7					
Stddev	2.6	5.4	127.	21.3					
%RSD	0.10516	0.11524	0.32436	0.65599					
#1	2436.4	4679.5	39139.	3225.1					
#2	2440.7	4669.0	38952.	3266.4					
#3	2436.2	4676.3	39194.	3236.6					

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Sample Name: CCV Acquired: 3/24/2016 13:32:47 Type: QC
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Aq3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.588	42.34	1.887	2.139	2.047	44.52	1.970	2.002	2.058
Stddev	.0004	.11	.004	.004	.007	.12	.004	.002	.006
%RSD	0.1694	0.2701	0.2391	0.1879	0.3681	0.2751	0.1799	0.1223	0.2971
#1	2.583	42.45	1.891	2.138	2.050	44.59	1.966	1.999	2.062
#2	2.589	42.22	1.888	2.135	2.038	44.38	1.972	2.004	2.051
#3	2.592	42.36	1.882	2.143	2.052	44.59	1.972	2.003	2.062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value						40.00			
Range						10.00%			
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.014	40.88	40.46	44.04	2.003	1.989	40.56	1.925	1.962
Stddev	.002	.09	.15	.13	.008	.004	.10	.002	.006
%RSD	0.0964	0.2149	0.3734	0.3037	0.3821	0.2043	0.2552	0.0819	0.3242
#1	2.015	40.91	40.61	44.16	2.009	1.986	40.48	1.925	1.976
#2	2.015	40.78	40.31	43.90	1.994	1.988	40.52	1.927	1.989
#3	2.011	40.94	40.44	44.05	2.005	1.994	40.67	1.924	1.983
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				40.00					
Range				10.00%					
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.878	1.927	2.356	2.043	1.971	1.955	1.965	1.969	1.918
Stddev	.004	.005	.004	.002	.002	.003	.008	.006	.006
%RSD	0.2259	0.2603	0.1536	0.0881	0.0950	0.1753	0.3916	0.2895	0.3316
#1	1.881	1.926	2.359	2.043	1.971	1.958	1.957	1.975	1.911
#2	1.873	1.922	2.352	2.042	1.969	1.951	1.972	1.964	1.924
#3	1.878	1.932	2.356	2.045	1.973	1.957	1.966	1.968	1.919
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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Sample Name: CCV Acquired: 3/24/2016 13:32:47 Type: QC
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2152.8	4434.1	36520.	3107.6
Stddev	9.3	2.4	12.	8.8
%RSD	0.43065	0.05525	0.03367	0.28367
#1	2161.6	4436.2	36523.	3110.7
#2	2143.1	4431.4	36531.	3114.4
#3	2153.5	4434.8	36507.	3097.6

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Sample Name: CCB Acquired: 3/24/2016 13:52:48 Type: QC
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :

Table with 10 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Units, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: CCB Acquired: 3/24/2016 13:52:48 Type: QC
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: ICV Acquired: 3/24/2016 14:20:44 Type: QC
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :

Table with 10 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 10 columns: Elem, Units, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 10 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Sample Name: ICV Acquired: 3/24/2016 14:20:44 Type: QC
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Sample Name: CCV Acquired: 3/24/2016 14:26:11 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2560	40.39	2.027	2.000	2.033	40.57	2.058	2.047	2.061
Stddev	.0010	.08	.032	.011	.004	.13	.033	.035	.008
%RSD	.4099	.2102	1.566	.5357	.1954	.3240	1.593	1.684	.4000
#1	.2554	40.39	2.064	2.008	2.032	40.53	2.095	2.087	2.067
#2	.2555	40.48	2.010	2.004	2.037	40.72	2.041	2.026	2.052
#3	.2572	40.31	2.007	1.988	2.029	40.46	2.036	2.028	2.064

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.012	39.63	40.54	40.60	2.090	2.038	40.40	2.055	2.022
Stddev	.001	.09	.20	.07	.008	.032	.20	.033	.030
%RSD	.0447	.2260	.4835	.1664	.3615	1.569	.4883	1.625	1.501
#1	2.013	39.63	40.67	40.63	2.095	2.075	40.45	2.094	2.057
#2	2.011	39.71	40.63	40.85	2.082	2.020	40.56	2.036	2.006
#3	2.012	39.54	40.32	40.52	2.095	2.019	40.18	2.037	2.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.020	2.021	2.502	2.054	2.021	2.059	2.030	2.038	2.070
Stddev	.040	.036	.041	.035	.007	.006	.033	.005	.036
%RSD	1.959	1.802	1.655	1.712	.3349	.2930	1.628	.2486	1.726
#1	2.065	2.063	2.549	2.095	2.023	2.064	2.068	2.041	2.110
#2	1.991	1.997	2.471	2.035	2.027	2.052	2.011	2.032	2.056
#3	2.003	2.002	2.485	2.033	2.014	2.062	2.011	2.041	2.043

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/24/2016 14:26:11 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2138.3	4399.2	36448.	3047.9
Stddev	31.1	66.6	54.	6.7
%RSD	1.4567	1.5139	.14755	.21867
#1	2102.4	4322.5	36405.	3044.7
#2	2158.1	4442.9	36509.	3043.5
#3	2154.4	4432.1	36432.	3055.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 3/24/2016 14:32:02 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0093	.0005	.0008	.0003	.0072	.0001	.0002	.0004
Stddev	.0002	.0041	.0006	.0005	.0000	.0016	.0000	.0001	.0002
%RSD	415.5	44.57	135.9	58.79	6.565	22.23	37.04	72.56	39.19
#1	-.0002	.0139	.0006	.0003	.0003	.0065	.0001	.0003	.0002
#2	-.0001	.0080	.0010	.0008	.0003	.0090	.0001	.0002	.0005
#3	.0002	.0059	-.0002	.0012	.0003	.0060	.0001	.0000	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0135	.0113	.0014	.0003	F .0012	.0135	.0002	-.0001
Stddev	.0001	.0014	.0195	.0211	.0000	.0003	.0107	.0001	.0001
%RSD	59.78	10.38	172.7	1513.	14.40	21.74	79.24	59.18	193.7
#1	.0000	.0119	.0025	-.0150	.0003	.0014	.0250	.0001	-.0002
#2	-.0001	.0143	-.0023	-.0061	.0003	.0012	.0116	.0002	.0000
#3	-.0001	.0144	.0336	.0253	.0002	.0009	.0039	.0003	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	F .0021	-.0017	.0005	.0004	.0007	.0012	.0005	-.0011
Stddev	.0004	.0011	.0001	.0004	.0001	.0001	.0003	.0001	.0000
%RSD	138.3	51.73	7.209	75.47	37.87	10.89	22.76	22.70	.7315
#1	.0000	.0030	-.0017	.0009	.0005	.0007	.0015	.0004	-.0011
#2	-.0002	.0009	-.0018	.0005	.0002	.0007	.0010	.0006	-.0010
#3	-.0008	.0023	-.0016	.0001	.0004	.0006	.0010	.0004	-.0011

Check ? Chk Pass Chk Fail None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/24/2016 14:32:02 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2472.7	4699.2	38606.	3132.0
Stddev	4.0	11.5	176.	33.6
%RSD	.16259	.24431	.45517	1.0720
#1	2474.7	4710.4	38588.	3097.1
#2	2475.4	4699.6	38789.	3134.8
#3	2468.1	4687.5	38439.	3164.1

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: FA32460-5 Acquired: 3/24/2016 14:36:17 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	3.449	.0004	.0687	.0002	6.496	.0000	.0196	.0084
Stddev	.0003	.029	.0012	.0001	.0000	.039	.000	.0001	.0003
%RSD	261.0	.8554	271.4	.0741	20.37	.6064	113.5	.4142	4.134
#1	.0001	3.467	-.0008	.0687	.0003	6.541	-.0001	.0195	.0087
#2	.0000	3.415	.0016	.0688	.0002	6.467	.0000	.0197	.0084
#3	-.0004	3.465	.0005	.0687	.0002	6.480	-.0001	.0196	.0081
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0055	7.170	2.287	.9672	.1042	.0010	11.05	.0094	.0025
Stddev	.0000	.032	.053	.0441	.0002	.0000	.04	.0001	.0005
%RSD	.8990	.4517	2.336	4.556	.1622	2.772	.3766	.7147	18.20
#1	.0055	7.189	2.292	1.002	.1044	.0011	11.01	.0095	.0024
#2	.0055	7.133	2.232	.9823	.1041	.0010	11.05	.0094	.0030
#3	.0056	7.188	2.338	.9176	.1041	.0010	11.10	.0094	.0021
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.002	.0024	7.060	.0010	.0251	.0327	-0.014	.0162	.0190
Stddev	.0005	.0010	.008	.0003	.0001	.0001	.0006	.0002	.0002
%RSD	238.5	43.08	.1132	30.54	.3126	.3661	42.59	.9629	1.001
#1	-.0004	.0022	7.063	.0013	.0252	.0328	-.0019	.0164	.0189
#2	-.0005	.0036	7.051	.0007	.0252	.0327	-.0008	.0161	.0189
#3	.0004	.0015	7.066	.0009	.0250	.0326	-.0015	.0162	.0193
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2454.5	4749.3	3965.1	3240.1					
Stddev	9.6	9.2	141.	18.0					
%RSD	.39018	.19307	.35678	.55493					
#1	2465.2	4759.2	39765.	3230.1					
#2	2446.7	4741.2	39695.	3260.9					
#3	2451.5	4747.4	39493.	3229.3					

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Sample Name: FA32460-6 Acquired: 3/24/2016 14:40:43 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	.0258	-.0005	.1244	-.0001	30.17	-.0001	-.0001	.0002
Stddev	.0003	.0023	.0012	.0003	.0000	.09	.0000	.0000	.0002
%RSD	147.3	9.078	250.1	.2514	73.89	.2828	16.94	20.56	73.46
#1	.0005	.0250	-.0018	.1241	-.0001	30.08	-.0001	-.0002	.0000
#2	.0001	.0240	-.0001	.1243	.0000	30.19	-.0001	-.0001	.0003
#3	.0000	.0285	.0005	.1247	-.0001	30.25	-.0001	-.0002	.0004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0020	.0069	.8206	7.250	.0218	.0075	9.287	.0009	.0001
Stddev	.0002	.0027	.0163	.016	.0001	.0001	.060	.0002	.0003
%RSD	7.449	38.88	1.980	.2220	.3645	.8427	.6416	20.92	451.1
#1	.0018	.0046	.8207	7.232	.0219	.0076	9.220	.0011	.0000
#2	.0021	.0099	.8368	7.260	.0218	.0075	9.335	.0007	-.0002
#3	.0021	.0063	.8043	7.259	.0219	.0075	9.305	.0009	.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0005	.0019	3.347	.0004	.4914	.0007	.0000	.0046	.0188
Stddev	.0004	.0008	.004	.0001	.0019	.0000	.0004	.0002	.0001
%RSD	78.79	41.92	.1265	18.20	.3767	5.204	971.8	4.266	.7424
#1	.0006	.0011	3.342	.0005	.4898	.0008	.0005	.0047	.0188
#2	.0009	.0026	3.350	.0004	.4934	.0007	-.0002	.0048	.0186
#3	.0001	.0019	3.349	.0004	.4910	.0008	-.0002	.0044	.0189
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2405.5	4597.7	38029.	3112.6					
Stddev	2.6	11.6	107.	20.1					
%RSD	.10992	.25177	.28098	.64647					
#1	2408.2	4610.3	37922.	3126.9					
#2	2402.9	4587.5	38135.	3121.3					
#3	2405.5	4595.3	38030.	3089.6					

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7.1
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Sample Name: FA32302-2 Acquired: 3/24/2016 14:45:13 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0007	105.6	.0094	1.906	.0060	201.1	-.0001	-.1978	.1255
Stddev	.0003	.5	.0017	.011	.0001	.8	.0001	.0001	.0010
%RSD	42.05	.4488	17.75	.5825	1.391	.3752	173.8	.0293	.7765
#1	.0007	105.3	.0079	1.896	.0060	200.6	-.0001	-.1978	.1266
#2	.0009	106.2	.0112	1.918	.0061	202.0	-.0002	-.1978	.1247
#3	.0004	105.5	.0091	1.903	.0059	200.7	.0000	-.1977	.1252
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0799	114.1	9.932	148.3	F 12.47	.0009	F 239.0	.2043	.0699
Stddev	.0006	.3	.014	.3	.07	.0000	.4	.0001	.0010
%RSD	.7705	.2899	.1433	.2004	.5430	2.085	.1743	.0402	1.374
#1	.0797	113.8	9.921	148.1	12.55	.0008	239.3	.2043	.0705
#2	.0806	114.5	9.948	148.7	12.46	.0009	238.5	.2042	.0705
#3	.0794	114.0	9.927	148.2	12.41	.0009	239.1	.2043	.0688
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.002	.0032	60.16	.0009	.7657	.3767	-.0003	.1728	.3608
Stddev	.0010	.0019	.06	.0003	.0021	.0002	.0018	.0003	.0006
%RSD	515.3	61.09	.0971	26.84	.2752	.0454	676.2	.1889	.1590
#1	-.0001	.0012	60.18	.0009	.7658	.3766	-.0019	.1731	.3610
#2	-.0008	.0032	60.21	.0007	.7691	.3769	-.0004	.1725	.3602
#3	-.0013	.0051	60.10	.0012	.7652	.3767	.0016	.1728	.3612
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1974.0	5042.4	41585.	3575.4					
Stddev	1.9	4.3	116.	19.1					
%RSD	.09830	.08527	.27940	.53419					
#1	1972.0	5040.7	41451.	3587.4					
#2	1975.8	5039.3	41638.	3553.4					
#3	1974.3	5047.3	41664.	3585.5					

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Sample Name: FA32306-37 Acquired: 3/24/2016 14:49:49 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	.0521	.0000	.0206	-.0001	35.23	-.0001	.0006	.0005
Stddev	.0003	.0068	.0005	.0004	.0000	.22	.0000	.0001	.0004
%RSD	127.2	13.07	1338.	2.184	18.68	.6276	27.55	22.61	76.25
#1	.0002	.0578	-.0005	.0201	-.0001	35.22	-.0001	.0007	.0003
#2	-.0001	.0446	.0003	.0209	-.0001	35.45	-.0001	.0004	.0003
#3	.0005	.0539	.0004	.0207	-.0001	35.01	-.0001	.0007	.0009
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0015	.0461	1.017	8.482	.0066	.0008	10.65	.0010	.0000
Stddev	.0000	.0039	.026	.081	.0001	.0000	.07	.0001	.001
%RSD	1.442	8.394	2.558	.9524	2.061	3.202	.6275	6.038	8823.
#1	.0015	.0504	1.021	8.483	.006				

Sample Name: FA32307-40 Acquired: 3/24/2016 14:54:19 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3)

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Sample Name: FA32475-4 Acquired: 3/24/2016 14:58:50 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3)

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Sample Name: FA32476-1 Acquired: 3/24/2016 15:03:19 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3)

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Sample Name: FA32316-2 Acquired: 3/24/2016 15:07:49 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3)

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7.1

Sample Name: MP30162-MB1 Acquired: 3/24/2016 15:12:19 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0019	-0.0013	.0002	.0000	.0091	-0.0001	.0000	.0002
Stddev	.0006	.0021	.0006	.0001	.000	.0028	.0000	.000	.0001
%RSD	368.3	110.1	46.44	51.10	537.8	30.72	52.23	49.84	64.71

#1	-0.004	.0008	-0.0019	.0001	.0000	.0117	-0.0001	.0000	.0002
#2	.0007	.0005	-0.0007	.0002	.0000	.0095	.0000	-0.0001	.0001
#3	.0001	.0042	-0.0015	.0002	-0.0001	.0061	-0.0001	-0.0001	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	.0009	.0237	-0.0185	.0000	.0001	.0244	-0.0002	.0000
Stddev	.0001	.0011	.0248	.0085	.0000	.0001	.0109	.0003	.0001
%RSD	31.23	116.9	104.5	45.86	2899.	183.5	44.55	182.3	596.7

#1	-0.0004	-0.0002	.0522	-0.0152	.0000	.0002	.0328	.0000	.0001
#2	-0.0004	.0020	.0112	-.0281	.0000	.0001	.0282	-0.0005	.0000
#3	-0.0006	.0009	.0076	-0.0122	.0000	-0.0001	.0121	.0000	-0.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	.0005	.0035	.0001	.0001	-0.0001	-0.0004	.0002	-0.0010
Stddev	.0006	.0004	.0005	.0002	.0000	.0000	.0005	.0001	.0001
%RSD	395.2	78.86	14.82	145.5	22.15	17.58	107.0	71.59	11.52

#1	-0.0007	.0002	.0038	.0001	.0001	-0.0001	-0.0005	.0002	-0.0008
#2	-0.0004	.0009	.0037	.0003	.0001	-0.0001	-0.0009	.0000	-0.0010
#3	.0006	.0004	.0029	-0.0001	.0001	-0.0001	.0001	.0002	-0.0010

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30162-MB1 Acquired: 3/24/2016 15:12:19 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2455.9	4714.6	3887.6	3093.9
Stddev	6.4	5.8	85.	3.5
%RSD	.25918	.12319	.21960	.11358

#1	2449.0	4712.1	3877.8	3089.8
#2	2461.5	4721.3	3893.6	3095.4
#3	2457.1	4710.5	3891.4	3096.4

Sample Name: MP30162-B1 Acquired: 3/24/2016 15:16:52 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0499	29.85	2.015	2.161	.0549	28.21	.0522	.5260	2.161
Stddev	.0009	.17	.002	.010	.0003	.27	.0002	.0004	.0004
%RSD	1.772	.5666	.0793	.4691	.5303	.9501	.3110	.0824	.1770

#1	.0504	30.04	2.014	2.169	.0551	28.50	.0522	.5260	2.163
#2	.0505	29.72	2.017	2.150	.0550	27.98	.0524	.5255	2.157
#3	.0489	29.80	2.016	2.164	.0546	28.16	.0521	.5264	2.164

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2715	28.83	27.23	28.31	.5475	.5183	27.32	.5275	.5093
Stddev	.0003	.16	.17	.35	.0020	.0012	.12	.0004	.0008
%RSD	.1066	.5602	.6080	1.244	.3645	.2228	.4228	.0748	.1571

#1	.2717	29.02	27.42	28.71	.5458	.5188	27.45	.5277	.5103
#2	.2716	28.73	27.12	28.15	.5469	.5169	27.25	.5278	.5088
#3	.2712	28.75	27.16	28.07	.5497	.5190	27.26	.5271	.5089

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5096	2.032	.0194	.5351	.5168	.5283	1.990	.4973	.5223
Stddev	.0021	.011	.0005	.0005	.0016	.0014	.008	.0002	.0012
%RSD	.4131	.5217	2.385	.0868	.3189	.2713	.4141	.0490	.2372

#1	.5120	2.040	.0199	.5356	.5185	.5279	1.981	.4974	.5220
#2	.5089	2.036	.0192	.5349	.5167	.5271	1.989	.4970	.5236
#3	.5080	2.020	.0191	.5347	.5152	.5299	1.998	.4975	.5211

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30162-B1 Acquired: 3/24/2016 15:16:52 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2250.6	4558.4	3701.0	3032.6
Stddev	3.1	6.2	126.	23.5
%RSD	.13614	.13536	.34079	.77343

#1	2250.4	4555.4	3714.3	3005.8
#2	2253.8	4565.5	3695.5	3049.6
#3	2247.7	4554.3	3689.2	3042.4

Sample Name: CCV Acquired: 3/24/2016 15:21:05 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.563	40.74	1.965	2.044	2.023	41.51	2.007	2.019	2.029
Stddev	.0010	.37	.003	.016	.015	.29	.001	.002	.005
%RSD	.3878	.9154	.1504	.7618	.7629	.6899	.0675	.0745	.2279

#1	.2552	40.32	1.967	2.026	2.005	41.19	2.008	2.020	2.024
#2	.2564	40.88	1.965	2.049	2.032	41.65	2.006	2.019	2.032
#3	.2572	41.02	1.961	2.055	2.032	41.71	2.006	2.017	2.030

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.025	39.71	40.01	41.34	2.027	2.008	40.13	1.991	1.989
Stddev	.015	.27	.35	.28	.02	.001	.31	.001	.001
%RSD	.7467	.6726	.8757	.6741	.0928	.0454	.7703	.0716	.0583

#1	2.007	39.41	39.61	41.05	2.026	2.008	39.78	1.992	1.990
#2	2.033	39.91	40.25	41.60	2.029	2.009	40.23	1.991	1.988
#3	2.034	39.81	40.17	41.36	2.025	2.007	40.38	1.990	1.990

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.965	1.978	2.438	2.042	1.994	2.005	1.989	1.987	1.990
Stddev	.003	.002	.001	.001	.013	.005	.004	.006	.003
%RSD	.1682	.0890	.0393	.0609	.6508	.2725	.2101	.3031	.1273

#1	1.961	1.976	2.438	2.042	1.979	2.000	1.985	1.983	1.992
#2	1.968	1.979	2.439	2.043	2.001	2.010	1.993	1.994	1.990
#3	1.965	1.979	2.437	2.041	2.002	2.006	1.989	1.984	1.987

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/24/2016 15:21:05 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2148.7	4478.8	3683.2	3050.0
Stddev	3.0	5.8	38.0	22.8
%RSD	.13872	.12951	.10318	.74620

#1	2152.1	4480.9	3678.8	3076.3
#2	2147.3	4472.3	3685.8	3035.9
#3	2146.7	4483.3	3685.0	3037.8

Sample Name: CCB Acquired: 3/24/2016 15:25:15 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0003	.0004	.0005	.0003	.0079	.0001	.0001	.0004
Stddev	.0002	.0038	.0008	.0003	.0001	.0017	.0000	.0000	.0001
%RSD	75.11	1269.0	207.1	61.83	21.39	21.75	35.25	36.86	20.05

#1	-0.001	.0008	.0001	.0009	.0003	.0072	.0001	.0002	.0005
#2	-0.001	.0038	.0012	.0002	.0003	.0099	.0001	.0001	.0004
#3	-0.004	-.0037	-.0003	.0005	.0002	.0067	.0001	.0002	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	.0124	.0345	.0162	.0002	F .0015	.0094	.0002	-0.001
Stddev	.0002	.0022	.0647	.0031	.0001	.0002	.0119	.0001	.0007
%RSD	58.11	17.75	187.4	19.13	25.84	15.72	127.5	53.58	135.7

#1	-0.005	.0148	-.0282	.0136	.0003	.0017	.0231	.0002	-.0001
#2	-0.002	.0104	.1011	.0196	.0002	.0015	.0034	.0003	-.0008
#3	-0.002	.0119	.0307	.0154	.0002	.0013	.0016	.0001	.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	F .0030	-0.0015	.0002	.0004	.0009	F .0046	.0003	-0.011
Stddev	.0005	.0012	.0006	.0003	.0001	.0001	.0006	.0001	.0000
%RSD	72.28	41.58	38.20	145.7	19.72	14.19	13.79	26.07	4.395

#1	.0008	.0043	-.0010	.0004	.0005	.0009	.0053	.0003	-.0012
#2	.0001	.0028	-.0021	.0002	.0004	.0010	.0041	.0004	-.0011
#3	.0010	.0019	-.0015	-.0001	.0003	.0007	.0043	.0002	-.0011

Check ? Chk Pass Chk Fail None Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/24/2016 15:25:15 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2461.6	4754.1	3881.9	3111.6
Stddev	3.5	5.7	75.0	11.7
%RSD	.14334	.12040	.19298	.37743

#1	2465.1	4750.6	3875.1	3107.0
#2	2458.0	4760.7	3889.9	3102.9
#3	2461.8	4751.0	3880.7	3125.0

Sample Name: FA32319-12 Acquired: 3/24/2016 15:29:47 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.7577	.0145	.0352	.0000	22.96	-0.001	.0003	.0058
Stddev	.000	.0043	.0009	.0000	.000	.08	.0000	.0001	.0003
%RSD	671.7	.5690	6.465	.0895	2431.	.3326	23.98	20.65	4.805

#1	-0.001	.7603	.0135	.0352	.0000	22.94	-0.001	.0003	.0059
#2	-0.001	.7527	.0154	.0352	.0000	23.04	-0.001	.0002	.0055
#3	.0002	.7601	.0145	.0352	.0000	22.89	-0.001	.0003	.0059

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0002	4.653	2.436	2.196	.0071	.0007	7.323	.0002	.0005
Stddev	.0002	.008	.037	.027	.0001	.0001	.038	.0001	.0008
%RSD	91.29	.1738	1.536	1.236	.7604	10.58	5.174	65.65	168.4

#1	.0000	4.649	2.421	2.167	.0072	.0008	7.284	.0002	.0009
#2	.0002	4.663	2.409	2.203	.0071	.0008	7.326	.0000	.0009
#3	.0003	4.649	2.479	2.220	.0071	.0007	7.360	.0002	-0.004

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0009	.0006	2.250	.0007	.0443	.0190	.0021	.0027	.0081
Stddev	.0006	.0005	.005	.0000	.0002	.0018	.0015	.0000	.0000
%RSD	61.70	91.88	.2362	4.808	.4681	9.675	72.02	1.555	5499

#1	.0008	.0000	2.253	.0007	.0445	.0186	.0038	.0027	.0081
#2	.0004	.0008	2.254	.0007	.0441	.0174	.0011	.0027	.0081
#3	.0015	.0010	2.244	.0007	.0443	.0210	.0013	.0027	.0081

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2373.7	4646.2	3804.9	3046.7
Stddev	3.8	3.8	89.	6.4
%RSD	.15866	.08144	.23339	.21074

#1	2370.4	4642.2	3795.0	3042.0
#2	2372.9	4649.7	3812.2	3044.0
#3	2377.8	4646.7	3807.5	3054.0

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Sample Name: MP30162-D1 Acquired: 3/24/2016 15:34:17 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	.7422	.0153	.0353	.0000	23.43	-0.001	.0003	.0060
Stddev	.0001	.0077	.0002	.0002	.000	.01	.0001	.0001	.0001
%RSD	68.55	1.040	1.395	.6333	226.6	.0382	51.83	30.67	1.170

#1	.0000	.7423	.0154	.0351	.0000	23.42	-0.002	.0004	.0061
#2	.0002	.7499	.0150	.0353	.0000	23.43	-0.001	.0003	.0060
#3	.0002	.7345	.0154	.0355	.0000	23.43	-0.001	.0002	.0060

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0004	4.747	2.461	2.215	.0072	.0004	7.443	.0002	.0005
Stddev	.0001	.014	.014	.007	.0000	.0001	.017	.0001	.0003
%RSD	19.99	.3029	.5720	.3028	.5818	15.80	.2263	50.77	70.35

#1	.0003	4.756	2.472	2.221	.0072	.0005	7.445	.0001	.0008
#2	.0004	4.755	2.466	2.216	.0072	.0003	7.459	.0002	.0006
#3	.0005	4.731	2.445	2.208	.0073	.0004	7.425	.0002	.0001

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0008	-0.0005	2.254	.0004	.0452	.0164	.0006	.0029	.0084
Stddev	.0002	.0006	.005	.0001	.0004	.0005	.0001	.0002	.0001
%RSD	27.60	120.3	.2168	15.15	.8362	3.246	25.17	6.230	6976

#1	.0007	-0.001	2.258	.0004	.0452	.0163	.0008	.0028	.0083
#2	.0007	-0.013	2.255	.0004	.0456	.0170	.0005	.0031	.0084
#3	.0011	-0.002	2.248	.0003	.0449	.0159	.0005	.0027	.0084

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2380.7	4662.1	3817.2	3016.9
Stddev	2.0	5.3	97.	3.7
%RSD	.08282	.11461	.25283	.12147

#1	2378.4	4656.9	3806.4	3015.5
#2	2382.1	4667.6	3824.8	3014.1
#3	2381.5	4661.9	3820.5	3021.1

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7.1
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Sample Name: MP30162-SD1 Acquired: 3/24/2016 15:38:47 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0005	.7950	.0158	.0371	.0000	24.37	-0.002	.0002	.0056
Stddev	.0004	.0147	.0005	.0012	.000	.09	.0001	.0004	.0009
%RSD	82.68	1.845	3.083	3.132	2068.	.3691	33.28	236.9	16.22

#1	-0.0006	.7780	.0155	.0375	-0.001	24.35	-0.002	-0.003	.0064
#2	-0.001	.8033	.0156	.0358	.0001	24.29	-0.001	.0003	.0046
#3	-0.0010	.8035	.0164	.0380	.0000	24.47	-0.002	.0006	.0058

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0016	4.886	2.570	2.359	.0072	.0000	7.572	.0000	.0016
Stddev	.0008	.034	.221	.098	.0001	.001	.073	.001	.0027
%RSD	51.94	.6850	8.596	4.136	1.826	1303.	.9684	1909.	163.5

#1	-0.0025	4.854	2.352	2.316	.0073	-0.007	7.513	.0009	.0010
#2	-0.0016	4.883	2.564	2.290	.0071	.0001	7.550	-0.002	.0046
#3	-0.0008	4.921	2.794	2.471	.0072	.0005	7.654	-0.008	-0.006

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0027	.0036	2.343	.0001	.0467	.0173	.0052	.0031	.0316
Stddev	.0046	.0054	.013	.0006	.0002	.0017	.0042	.0012	.0005
%RSD	173.2	147.2	.5700	659.8	.4878	9.703	80.80	39.65	1.522

#1	-0.0078	.0063	2.345	.0002	.0468	.0155	.0080	.0044	.0311
#2	.0012	.0072	2.329	.0006	.0465	.0177	.0004	.0020	.0320
#3	-0.0014	-0.0025	2.355	-0.0005	.0469	.0188	.0073	.0028	.0319

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2445.2	4736.9	3843.0	3057.1
Stddev	5.5	13.3	206.	13.8
%RSD	.22361	.27999	.53727	.45249

#1	2441.0	4738.6	3825.1	3050.9
#2	2451.3	4749.2	3838.3	3073.0
#3	2443.2	4722.8	3865.6	3047.5

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Sample Name: MP30162-PS1 Acquired: 3/24/2016 15:43:19 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0498	3.517	.1197	.3186	.0553	28.63	.0534	.0548	.0611
Stddev	.0003	.038	.0004	.0017	.0005	.22	.0001	.0002	.0003
%RSD	.5540	1.073	.3345	.5393	.8506	.7842	.2317	.2968	.5137

#1	.0496	3.475	.1198	.3168	.0547	28.38	.0536	.0546	.0607
#2	.0501	3.548	.1200	.3202	.0556	28.82	.0534	.0547	.0611
#3	.0496	3.527	.1192	.3189	.0554	28.68	.0533	.0549	.0614

Elem	Cu3247	Fe2599	K_7664	Mg2790
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Sample Name: MP30162-S1 Acquired: 3/24/2016 15:47:39 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0499	30.85	1.997	2.210	.0549	51.83	.0509	.5169	2.180
Stddev	.0003	.06	.007	.011	.0001	.05	.0001	.0010	.0008
%RSD	.6148	.2034	.3736	.4928	.1724	.1050	.1402	.1961	.3573
#1	.0498	30.82	1.990	2.206	.0548	51.81	.0508	.5158	2.182
#2	.0503	30.81	2.005	2.202	.0550	51.89	.0509	.5176	2.171
#3	.0497	30.92	1.995	2.223	.0549	51.79	.0509	.5174	2.186
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2750	33.45	29.37	30.99	.5453	.5126	34.57	.5118	.5030
Stddev	.0008	.08	.20	.06	.0044	.0012	.14	.0017	.0011
%RSD	.2988	.2391	.6861	.2052	.8056	.2269	.4043	.3283	.2173
#1	.2759	33.38	29.29	31.07	.5481	.5114	34.52	.5104	.5042
#2	.2745	33.43	29.22	30.95	.5403	.5128	34.46	.5137	.5023
#3	.2745	33.53	29.60	30.96	.5476	.5137	34.72	.5112	.5024
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5033	2.000	2.298	.5300	.5556	.5384	1.976	.4902	.5124
Stddev	.0042	.004	.004	.0009	.0027	.0027	.012	.0021	.0008
%RSD	.8269	.1864	.1850	.1753	.4861	.5041	.6034	.4245	.1573
#1	.5029	2.003	2.296	.5303	.5562	.5404	1.969	.4920	.5115
#2	.5076	2.001	2.303	.5306	.5526	.5353	1.990	.4879	.5131
#3	.4993	1.996	2.295	.5289	.5579	.5395	1.969	.4906	.5125
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2202.1	4537.6	36606.	2966.0					
Stddev	1.4	9.8	206.	7.2					
%RSD	.06481	.21607	.56274	.24410					
#1	2203.3	4547.9	36569.	2958.9					
#2	2202.5	4536.5	36828.	2973.4					
#3	2200.5	4528.4	36420.	2965.8					

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Sample Name: MP30162-S2 Acquired: 3/24/2016 15:51:53 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0498	30.81	1.991	2.212	.0549	52.00	.0509	.5170	2.185
Stddev	.0003	.19	.005	.017	.0004	.19	.0000	.0004	.0006
%RSD	.5804	.6059	.2345	.7887	.7021	.3615	.0309	.0803	.2602
#1	.0501	30.88	1.988	2.208	.0552	52.03	.0509	.5173	2.185
#2	.0496	30.60	1.989	2.197	.0545	51.80	.0508	.5165	2.192
#3	.0496	30.96	1.996	2.231	.0551	52.18	.0508	.5171	2.180
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2739	33.36	29.43	30.75	.5440	.5118	34.62	.5115	.5029
Stddev	.0008	.11	.10	.17	.0022	.0001	.18	.0003	.0009
%RSD	.2833	.3256	.3356	.5375	.3964	.0195	.5094	.0660	.1861
#1	.2732	33.43	29.44	30.79	.5450	.5117	34.66	.5118	.5039
#2	.2737	33.24	29.32	30.57	.5454	.5117	34.42	.5111	.5021
#3	.2747	33.42	29.52	30.89	.5415	.5119	34.77	.5116	.5026
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5011	1.997	2.309	.5302	.5543	.5354	1.985	.4912	.5127
Stddev	.0024	.004	.008	.0007	.0025	.0008	.006	.0002	.0007
%RSD	.4887	.1846	.3574	.1281	.4515	.1565	.3105	.0385	.1453
#1	.5012	1.993	2.314	.5295	.5540	.5347	1.980	.4910	.5134
#2	.4986	2.000	2.313	.5304	.5519	.5363	1.982	.4914	.5127
#3	.5035	1.998	2.299	.5308	.5569	.5351	1.992	.4912	.5119
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2202.3	4541.7	36663.	2966.9					
Stddev	3.6	1.7	214.	10.9					
%RSD	.16444	.03676	.58486	.36637					
#1	2198.2	4540.7	36447.	2956.5					
#2	2203.6	4543.6	36665.	2978.2					
#3	2205.1	4540.8	36876.	2966.2					

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7.1
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Sample Name: FA32319-11 Acquired: 3/24/2016 15:56:07 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0001	3.240	.0001	.0154	.0000	40.38	-.0001	.0001	.0034
Stddev	.0002	.016	.0002	.0003	.0000	.16	.0000	.0001	.0001
%RSD	351.7	.4984	280.9	1.761	170.1	4.017	18.52	54.99	2.442
#1	-.0002	3.228	.0001	.0156	.0000	40.19	-.0001	.0002	.0034
#2	.0002	3.259	-.0001	.0151	.0000	40.48	-.0001	.0001	.0034
#3	-.0002	3.235	.0002	.0156	.0000	40.46	-.0001	.0001	.0035
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0025	1.256	1.882	2.748	.0055	.0013	5.795	.0006	.0000
Stddev	.0001	.006	.008	.048	.0001	.0001	.014	.0001	.0004
%RSD	2.314	.5204	.4189	1.731	2.235	9.592	2.370	21.85	12740.
#1	.0026	1.263	1.877	2.760	.0054	.0014	5.787	.0007	.0000
#2	.0025	1.251	1.891	2.789	.0055	.0012	5.811	.0005	.0004
#3	.0025	1.254	1.877	2.696	.0057	.0012	5.788	.0005	-.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0040	.0023	4.101	.0006	.1786	.0794	.0043	.0063	.0611
Stddev	.0007	.0008	.030	.0003	.0007	.0009	.0006	.0002	.0002
%RSD	18.35	33.25	.7281	51.26	.4080	1.124	12.96	2.698	.3637
#1	.0048	.0029	4.132	.0003	.1783	.0784	.0041	.0065	.0614
#2	.0035	.0027	4.101	.0008	.1794	.0798	.0049	.0063	.0610
#3	.0036	.0015	4.072	.0008	.1780	.0801	.0038	.0061	.0609
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2353.1	4657.4	37990.	3015.4					
Stddev	3.3	3.5	191.	7.6					
%RSD	.14196	.07601	.50179	.25265					
#1	2349.3	4654.7	38069.	3024.0					
#2	2354.4	4661.4	38129.	3012.2					
#3	2355.6	4656.1	37773.	3009.8					

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Sample Name: FA32319-13 Acquired: 3/24/2016 16:00:36 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.8877	.0014	.0665	.0001	13.89	-.0002	.0004	.0010
Stddev	.000	.0135	.0004	.0001	.0011	.08	.0000	.0000	.0002
%RSD	679.6	1.523	26.37	1.962	43.16	.5645	28.37	10.47	17.39
#1	.0001	.9014	.0017	.0666	.0001	13.92	-.0002	.0004	.0009
#2	-.0002	.8875	.0015	.0665	.0002	13.95	-.0001	.0004	.0012
#3	.0001	.8743	.0010	.0664	.0002	13.80	-.0002	.0004	.0008
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0002	1.903	1.636	3.967	.0130	.0002	4.360	.0003	.0004
Stddev	.0001	.011	.046	.030	.0000	.0001	.010	.0002	.0007
%RSD	71.30	.5533	2.804	.7670	.0786	.5335	.2216	.6048	187.7
#1	-.0003	1.912	1.589	3.970	.0130	.0002	4.370	.0001	.0000
#2	.0000	1.904	1.681	3.995	.0131	.0003	4.361	.0004	.0012
#3	-.0002	1.891							

Sample Name: FA32319-15 Acquired: 3/24/2016 16:05:05 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0003	4.848	.0102	.0159	.0001	34.16	-0.0002	.0000	.0048
Stddev	.0005	.030	.0002	.0002	.0001	.08	.0000	.0000	.0002
%RSD	156.6	.6290	1.854	1.348	72.81	.2209	18.38	179.7	4.930
#1	.0002	4.833	.0104	.0156	.0001	34.08	-.0002	.0000	.0049
#2	-.0001	4.828	.0100	.0161	.0002	34.20	-.0001	.0001	.0050
#3	.0009	4.883	.0101	.0159	.0000	34.22	-.0002	.0000	.0045
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0005	1.452	2.036	1.694	.0027	.0009	2.928	.0009	.0004
Stddev	.0003	.008	.026	.011	.0004	.0001	.014	.0002	.0001
%RSD	60.53	.5668	1.287	.6301	15.56	7.616	.4602	17.68	30.02
#1	.0008	1.447	2.010	1.701	.0025	.0010	2.939	.0007	.0003
#2	.0005	1.448	2.063	1.682	.0032	.0010	2.913	.0011	.0004
#3	.0002	1.462	2.033	1.700	.0025	.0009	2.932	.0010	.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0078	.0054	5.511	.0002	.0908	.1512	.0012	.0078	.0084
Stddev	.0004	.0007	.020	.0004	.0004	.0034	.0004	.0002	.0001
%RSD	5.768	12.08	.3704	183.4	.4757	2.218	30.95	2.864	.8374
#1	.0073	.0053	5.491	-.0002	.0904	.1478	.0011	.0078	.0085
#2	.0082	.0062	5.532	.0006	.0913	.1545	.0009	.0075	.0084
#3	.0077	.0049	5.511	.0003	.0908	.1513	.0016	.0080	.0083
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2367.3	4684.5	37895.	3011.4					
Stddev	2.9	3.5	59.	4.6					
%RSD	.12137	.07415	.15492	.15118					
#1	2368.0	4685.9	37829.	3008.2					
#2	2369.7	4680.5	37912.	3009.3					
#3	2364.1	4687.0	37943.	3016.6					

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Sample Name: FA32319-16 Acquired: 3/24/2016 16:09:34 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	1.952	.0002	.0257	.0000	9.294	-0.0003	.0002	.0028
Stddev	.0001	.019	.0010	.0000	.0000	.048	.0000	.0001	.0004
%RSD	74.01	.9916	422.9	.1040	303.9	.5174	11.71	31.93	12.63
#1	-.0002	1.930	-.0009	.0257	.0000	9.241	-.0003	.0002	.0027
#2	.0000	1.965	.0011	.0258	.0000	9.334	-.0003	.0002	.0032
#3	-.0002	1.961	.0005	.0257	.0000	9.306	-.0003	.0001	.0025
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0002	7.518	1.327	1.493	.0142	.0002	5.156	.0003	-0.0003
Stddev	.0002	.042	.033	.043	.0001	.0001	.069	.0001	.0007
%RSD	93.13	.5577	2.509	2.905	.3902	39.92	1.334	44.92	246.0
#1	.0004	7.471	1.311	1.504	.0142	.0001	5.111	.0002	.0004
#2	.0004	7.551	1.366	1.530	.0143	.0002	5.235	.0003	-.0009
#3	.0002	7.532	1.306	1.445	.0142	.0002	5.122	.0005	-.0003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0005	.0010	3.577	.0004	.0353	.0508	-0.0010	.0040	.0080
Stddev	.0004	.0014	.040	.0002	.0002	.0008	.0003	.0001	.0001
%RSD	93.74	133.4	1.120	44.51	.4966	1.556	25.31	3.650	.6351
#1	.0003	.0002	3.613	.0003	.0354	.0510	-.0013	.0038	.0080
#2	.0002	.0026	3.582	.0003	.0355	.0515	-.0008	.0039	.0080
#3	.0009	.0003	3.534	.0006	.0351	.0500	-.0011	.0041	.0080
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2394.8	4700.8	38183.	3039.5					
Stddev	1.2	5.3	120.	12.0					
%RSD	.05102	.11174	.31311	.39612					
#1	2393.4	4706.7	38068.	3053.1					
#2	2394.9	4698.9	38175.	3035.2					
#3	2395.9	4696.7	38307.	3030.3					

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Sample Name: CCV Acquired: 3/24/2016 16:14:02 Type: QC
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2599	41.48	1.943	2.089	2.032	42.57	1.987	2.014	2.045
Stddev	.0007	.14	.002	.004	.003	.02	.002	.001	.010
%RSD	.2532	.3365	.0851	.1810	.1558	.0379	.0855	.0621	.5044
#1	.2595	41.49	1.944	2.090	2.034	42.59	1.988	2.015	2.052
#2	.2606	41.34	1.943	2.085	2.028	42.56	1.985	2.014	2.050
#3	.2595	41.62	1.941	2.092	2.034	42.57	1.986	2.013	2.033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.053	40.10	40.12	42.41	2.027	2.002	40.28	1.966	1.977
Stddev	.005	.09	.09	.13	.010	.001	.11	.002	.001
%RSD	.2531	.2160	.2162	.3057	.5015	.0663	.2611	.0994	.0533
#1	2.050	40.06	40.15	42.28	2.032	2.004	40.37	1.968	1.977
#2	2.059	40.04	40.03	42.54	2.033	2.003	40.17	1.965	1.975
#3	2.051	40.20	40.19	42.41	2.015	2.001	40.30	1.964	1.977
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.947	1.967	2.419	2.048	1.992	1.998	1.972	1.978	1.952
Stddev	.003	.007	.001	.002	.004	.009	.002	.007	.002
%RSD	.1662	.3779	.0491	.1140	.1757	.4625	.1134	.3683	.0867
#1	1.948	1.970	2.417	2.050	1.993	2.003	1.970	1.983	1.954
#2	1.949	1.972	2.419	2.046	1.988	2.004	1.973	1.982	1.951
#3	1.943	1.958	2.420	2.047	1.994	1.987	1.974	1.970	1.952
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 3/24/2016 16:14:02 Type: QC
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2148.6	4507.0	36654.	2987.4
Stddev	2.0	8.6	136.	8.3
%RSD	.09151	.19173	.37166	.27768
#1	2146.5	4498.0	36630.	2995.2
#2	2150.4	4515.3	36530.	2978.7
#3	2148.9	4507.6	36800.	2988.4

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Sample Name: CCB Acquired: 3/24/2016 16:18:13 Type: QC
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include Units, Avg, Stddev, %RSD, and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Units, Avg, Stddev, %RSD, and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Units, Avg, Stddev, %RSD, and #1-3.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: CCB Acquired: 3/24/2016 16:18:13 Type: QC
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Cts/S, Avg, Stddev, %RSD, and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Units, Avg, Stddev, %RSD, and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Units, Avg, Stddev, %RSD, and #1-3.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: FA32319-17 Acquired: 3/24/2016 16:22:47 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD, and #1-3.

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD, and #1-3.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD, and #1-3.

Table with 4 columns: Int. Std. Avg, Stddev, %RSD. Rows include In2306, Y_2243, Y_3600, Y_3710 and #1-3.

Sample Name: FA32319-20 Acquired: 3/24/2016 16:27:18 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD, and #1-3.

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD, and #1-3.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD, and #1-3.

Table with 4 columns: Int. Std. Avg, Stddev, %RSD. Rows include In2306, Y_2243, Y_3600, Y_3710 and #1-3.

Sample Name: FA32319-21 Acquired: 3/24/2016 16:31:49 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	.1822	.0513	.0479	.0001	65.64	-0.002	-0.001	.0015
Stddev	.0002	.0080	.0004	.0004	.0000	.11	.0000	.0001	.0001
%RSD	115.4	4.398	.7316	.8198	18.89	.1673	19.13	41.10	8.208
#1	-.0002	.1820	.0517	.0475	.0001	65.74	-.0002	-.0001	.0016
#2	-.0003	.1743	.0510	.0481	.0001	65.65	-.0002	-.0001	.0014
#3	.0000	.1903	.0513	.0482	.0001	65.52	-.0002	-.0002	.0015
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.002	5.085	3.707	8.478	.0571	.0006	17.79	.0000	-0.005
Stddev	.0003	.016	.009	.026	.0002	.0000	.04	.000	.0004
%RSD	151.8	.3124	.2538	.3129	.2776	5.944	.1982	192.7	96.78
#1	-.0001	5.073	3.697	8.486	.0573	.0006	17.81	.0001	-.0009
#2	.0001	5.079	3.715	8.500	.0572	.0007	17.75	-.0001	.0000
#3	-.0005	5.103	3.710	8.448	.0570	.0006	17.82	-.0001	-.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0010	.0024	1.392	.0003	.1812	.0020	-0.009	.0052	.0061
Stddev	.0007	.0011	.002	.0001	.0001	.0003	.0019	.0003	.0000
%RSD	67.22	45.08	.1738	24.14	.0635	13.94	206.4	5.874	.3520
#1	.0018	.0011	1.393	.0003	.1811	.0022	.0002	.0055	.0061
#2	.0004	.0030	1.390	.0004	.1811	.0020	.0001	.0053	.0061
#3	.0009	.0030	1.394	.0003	.1813	.0017	-.0031	.0049	.0061
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2291.1	4542.6	3700.0	2966.2					
Stddev	5.5	6.6	81.	3.6					
%RSD	.24115	.14540	.21875	.11978					
#1	2291.4	4545.1	3690.7	2964.8					
#2	2285.4	4535.1	3703.7	2963.6					
#3	2296.4	4547.5	3705.6	2970.3					

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Sample Name: FA32319-22 Acquired: 3/24/2016 16:36:19 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	.1265	F 4.335	.0912	.0000	131.8	-0.004	.0001	.0018
Stddev	.0002	.0108	.008	.0001	.0001	.6	.0000	.0000	.0002
%RSD	43.21	8.514	.1792	.0887	149.8	4.345	6.925	38.27	10.01
#1	-.0002	.1333	4.335	.0913	.0000	132.5	-.0004	.0002	.0018
#2	-.0006	.1141	4.327	.0913	.0001	131.3	-.0003	.0001	.0017
#3	-.0005	.1321	4.342	.0911	.0000	131.7	-.0003	.0001	.0020
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0001	13.90	10.54	10.88	.2385	.0226	48.38	.0002	.0002
Stddev	.0001	.09	.05	.03	.0014	.0001	.07	.0002	.0002
%RSD	42.99	.6363	.5047	.2967	.5869	.6319	.1371	101.1	133.4
#1	.0001	13.98	10.54	10.91	.2371	.0225	48.46	.0004	.0003
#2	.0002	13.81	10.60	10.85	.2399	.0227	48.34	.0000	.0003
#3	.0002	13.91	10.49	10.88	.2383	.0225	48.35	.0001	-.0001
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0000	.0014	.9358	.0005	.2347	.0010	-0.003	.0084	.0000
Stddev	.0001	.0010	.0010	.0003	.0008	.0001	.0006	.0002	.0001
%RSD	335.5	74.24	.1026	68.74	.3399	13.37	221.9	2.410	866.9
#1	.0000	.0002	.9366	.0009	.2353	.0012	.0003	.0082	-.0001
#2	.0002	.0020	.9361	.0004	.2338	.0010	-.0002	.0086	.0001
#3	-.0001	.0020	.9347	.0002	.2350	.0009	-.0010	.0085	.0000
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2211.0	4491.3	3663.8	2992.5					
Stddev	.2	8.5	62.	15.9					
%RSD	.01108	.18910	.16998	.53001					
#1	2210.8	4481.8	3665.0	2974.6					
#2	2211.2	4494.0	3657.1	2997.8					
#3	2211.1	4498.1	3669.4	3005.0					

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Sample Name: FA32319-7F Acquired: 3/24/2016 16:40:47 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.6398	.0022	.0960	.0003	18.27	.0002	.0008	.0006
Stddev	.0001	.0107	.0006	.0004	.0000	.17	.0000	.0000	.0001
%RSD	266.1	1.669	26.18	.4467	14.87	.9184	24.04	5.937	17.20
#1	.0000	.6388	.0016	.0955	.0002	18.23	.0002	.0007	.0007
#2	.0001	.6509	.0027	.0964	.0003	18.46	.0002	.0008	.0005
#3	.0000	.6296	.0024	.0961	.0003	18.14	.0001	.0008	.0007
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0012	.2428	1.843	3.884	.0063	.0002	4.800	.0006	.0000
Stddev	.0001	.0050	.024	.044	.0000	.0001	.031	.0000	.0005
%RSD	4.863	2.072	1.295	1.146	.7687	92.80	6.550	4.012	103.9
#1	.0012	.2403	1.861	3.885	.0063	.0003	4.780	.0006	-.0005
#2	.0012	.2486	1.852	3.927	.0063	.0001	4.836	.0007	.0004
#3	.0011	.2395	1.816	3.838	.0064	.0000	4.783	.0006	.0002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0004	.0020	1.738	.0003	.0618	.0004	.0001	.0004	.0358
Stddev	.0007	.0009	.001	.0002	.0003	.0001	.0007	.0001	.0002
%RSD	197.7	47.57	.0679	63.39	.5337	13.41	506.4	13.30	.4400
#1	.0001	.0014	1.739	.0006	.0618	.0004	-.0002	.0005	.0359
#2	-.0002	.0030	1.737	.0002	.0621	.0003	-.0003	.0003	.0356
#3	.0012	.0014	1.739	.0002	.0614	.0004	.0009	.0004	.0359
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2409.8	4951.6	4045.7	3208.7					
Stddev	2.1	1.2	187.	34.9					
%RSD	.08868	.02433	.46243	1.0876					
#1	2408.5	4952.3	4027.4	3215.2					
#2	2412.3	4950.2	4064.8	3171.0					
#3	2408.7	4952.3	4044.8	3239.9					

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Sample Name: FA32319-8F Acquired: 3/24/2016 16:45:18 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	.0489	.0022	.0470	.0000	21.06	-0.001	.0001	.0004
Stddev	.0002	.0054	.0008	.0001	.0000	.05	.0000	.0001	.0003
%RSD	114.7	10.99	34.07	.2060	108.6	2.561	45.18	119.3	87.03
#1	.0001	.0544	.0024	.0470	.0000	21.01	.0000	.0000	.0004
#2	-.0003	.0487	.0029	.0469	.0000	21.06	-.0001	.0002	.0006
#3	-.0003	.0437	.0014	.0471	.0001	21.12	-.0001	.0001	.0000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0002	.0035	1.469	1.916	.0020	.0003	1.643	.0011	-0.004
Stddev	.0002	.0034	.018	.017	.0000	.0002	.014	.0001	.0008
%RSD	126.9	9							

Sample Name: FA32319-11F Acquired: 3/24/2016 16:49:50 Type: Xnk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	0.048	0.009	0.115	0.000	40.24	-0.001	-0.001	0.006
Stddev	.0001	.0010	.0004	.0001	.0000	.21	.0000	.0000	.0002
%RSD	50.74	2.274	42.47	.6851	44.34	.5280	29.35	33.73	40.36
#1	-.0004	.0437	.0012	.0114	.0001	40.40	-.0001	-.0001	.0004
#2	-.0004	.0458	.0005	.0116	.0000	40.33	-.0001	-.0001	.0008
#3	-.0001	.0449	.0011	.0115	.0000	40.00	-.0002	-.0001	.0005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.010	0.306	1.796	2.662	0.034	0.004	4.970	0.005	-0.001
Stddev	.0002	.0021	.055	.021	.0000	.0001	.009	.0001	.0003
%RSD	19.26	6.981	3.058	.7744	1.318	16.81	.1815	19.81	593.3
#1	.0009	.0322	1.733	2.686	.0033	.0003	4.979	.0005	.0000
#2	.0009	.0315	1.824	2.654	.0034	.0004	4.971	.0005	.0002
#3	.0013	.0282	1.832	2.647	.0034	.0005	4.961	.0006	-.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.034	0.021	1.472	0.002	0.175	0.007	-0.003	0.026	0.088
Stddev	.0012	.0002	.003	.0004	.0005	.0000	.0007	.0001	.0000
%RSD	33.63	11.61	.1737	167.9	.3060	1.764	202.9	3.269	2.194
#1	.0048	.0019	1.469	-.0002	.1781	.0007	-.0006	.0027	.0088
#2	.0028	.0023	1.474	.0006	.1772	.0007	-.0008	.0026	.0088
#3	.0028	.0022	1.474	.0002	.1772	.0007	.0004	.0026	.0088
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2362.3	4614.6	3767.8	3009.7					
Stddev	5.3	2.5	75.	22.4					
%RSD	.22539	.05485	.19849	.74374					
#1	2357.9	4612.0	3776.4	2985.0					
#2	2368.2	4617.1	3764.3	3015.3					
#3	2360.7	4614.8	3762.7	3028.7					

Sample Name: FA32319-13F Acquired: 3/24/2016 16:54:23 Type: Xnk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.2457	0.013	0.640	0.001	13.51	-0.001	0.004	0.005
Stddev	.0004	.0055	.0001	.0003	.0001	.10	.0000	.0001	.0002
%RSD	253.0	2.243	4.450	.5078	47.99	.7516	14.36	15.52	32.38
#1	-.0005	.2434	.0013	.637	.0002	13.61	-.0001	.0004	.0005
#2	-.0003	.2418	.0014	.643	.0001	13.52	-.0001	.0004	.0003
#3	-.0002	.2520	.0013	.640	.0001	13.41	-.0001	.0003	.0006
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.003	1.498	1.579	3.746	0.122	0.002	4.296	0.003	-0.005
Stddev	.0001	.013	.036	.019	.0001	.0002	.038	.0003	.0005
%RSD	34.78	.8657	2.302	.5132	.5358	107.4	.8834	107.9	91.14
#1	.0003	1.508	1.611	3.752	.0122	.0000	4.312	-.0001	.0000
#2	.0002	1.502	1.585	3.761	.0122	.0004	4.323	.0005	-.0008
#3	.0004	1.484	1.540	3.724	.0123	.0001	4.252	.0004	-.0008
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.003	0.039	9954	0.003	0.0551	0.003	-0.009	0.009	0.046
Stddev	.0008	.0009	.0007	.0001	.0004	.0001	.0002	.0000	.0000
%RSD	230.8	23.28	.0708	35.17	.8407	23.03	21.26	5.277	1.000
#1	-.0002	.0050	.9961	.0002	.0554	.0003	-.0008	.0009	.0446
#2	.0013	.0032	.9948	.0003	.0552	.0004	-.0012	.0009	.0446
#3	.0000	.0036	.9952	.0004	.0547	.0002	-.0009	.0009	.0446
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2405.8	4768.4	3904.3	3114.3					
Stddev	4.9	11.6	221.	27.7					
%RSD	.20454	.24230	.56693	.88910					
#1	2403.7	4759.5	3896.9	3100.7					
#2	2411.4	4781.5	3929.3	3096.1					
#3	2402.2	4764.3	3886.9	3146.2					

7.1
7

Sample Name: FA32319-15F Acquired: 3/24/2016 16:58:55 Type: Xnk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.000	0.1079	0.058	0.091	0.000	32.14	-0.002	-0.002	0.007
Stddev	.0001	.0087	.0009	.0001	.000	.27	.0000	.0001	.0001
%RSD	2168.	8.083	14.70	1.221	21.04	.8294	21.47	47.61	14.21
#1	.0001	.0981	.0048	.0090	.0000	31.85	-.0001	-.0001	.0008
#2	.0000	.1148	.0064	.0092	.0000	32.19	-.0002	-.0001	.0008
#3	-.0001	.1108	.0062	.0090	.0000	32.37	-.0002	-.0003	.0006
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.003	0.326	1.854	1.451	0.006	0.008	2.857	0.002	0.000
Stddev	.0001	.0019	.040	.021	.0000	.0001	.004	.0002	.001
%RSD	32.42	5.956	2.164	1.471	8.414	11.60	.1572	120.9	3710.
#1	.0003	.0320	1.856	1.456	.0006	.0007	2.862	.0002	.0005
#2	.0005	.0347	1.893	1.427	.0006	.0009	2.856	.0004	.0003
#3	.0003	.0309	1.813	1.469	.0005	.0008	2.853	.0000	-.0008
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.008	0.024	1.283	0.004	0.039	0.026	-0.011	0.025	0.063
Stddev	.0006	.0009	.003	.0003	.0001	.0004	.0008	.0001	.0001
%RSD	6.864	37.97	.2303	63.66	.1678	14.06	74.08	4.399	1.993
#1	.0092	.0022	1.280	.0007	.0840	.0024	-.0009	.0024	.0065
#2	.0090	.0035	1.284	.0001	.0840	.0030	-.0004	.0025	.0063
#3	.0081	.0017	1.285	.0005	.0837	.0023	-.0021	.0025	.0062
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2383.4	4648.3	3811.9	3022.8					
Stddev	5.1	8.3	108.	22.8					
%RSD	.21481	.17814	.28213	.75423					
#1	2389.3	4654.9	3801.6	3049.1					
#2	2380.9	4651.1	3823.1	3010.1					
#3	2380.0	4639.0	3811.0	3009.2					

Sample Name: FA32319-16F Acquired: 3/24/2016 17:03:28 Type: Xnk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.1843	-0.009	0.246	0.000	9.088	-0.003	0.000	0.012
Stddev	.0002	.0053	.0003	.0002	.000	.063	.0000	.0000	.0001
%RSD	90.54	2.882	31.10	.8679	23790.	6.962	14.09	85.29	11.88
#1	-.0002	.1861	-.0006	.245	.0001	9.029	-.0003	.0001	.0014
#2	.0000	.1885	-.0011	.244	.0000	9.155	-.0003	.0000	.0012
#3	-.0004	.1783	-.0010	.248	.0000	9.080	-.0003	.0001	.0011
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.000	6.734	1.258	1.483	0.155	0.001	4.984	0.012	0.001
Stddev	.0001	.020	.012	.007	.0000	.0001	.024	.0001	.0005
%RSD	316.0	.2940	.9637	.4508	.194				

Sample Name: CCV Acquired: 3/24/2016 17:07:58 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2588	41.14	1.947	2.059	2.024	42.04	1.990	2.009	2.041
Stddev	.004	.11	.001	.004	.004	.21	.002	.001	.007
%RSD	.1649	.2615	.0446	.2037	.1796	.4909	.1203	.0591	.3568
#1	.2593	41.27	1.947	2.062	2.028	42.28	1.990	2.009	2.036
#2	.2586	41.07	1.946	2.060	2.022	41.96	1.988	2.008	2.049
#3	.2586	41.09	1.948	2.054	2.021	41.89	1.993	2.010	2.036

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.049	39.90	39.96	41.92	2.033	1.999	40.12	1.971	1.979
Stddev	.005	.14	.17	.25	.005	.004	.05	.001	.007
%RSD	.2312	.3449	.4188	.5846	.2671	.1825	.1295	.0722	.3515
#1	2.052	40.06	40.13	42.16	2.036	1.995	40.17	1.972	1.986
#2	2.044	39.82	39.96	41.92	2.037	2.000	40.07	1.970	1.973
#3	2.053	39.81	39.80	41.67	2.027	2.001	40.13	1.972	1.976

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.950	1.967	2.418	2.039	1.990	2.007	1.977	1.980	1.966
Stddev	.004	.005	.006	.006	.002	.003	.005	.006	.006
%RSD	.1980	.2319	.2584	.2754	.0957	.1228	.2779	.3143	.3187
#1	1.947	1.963	2.412	2.037	1.992	2.009	1.982	1.979	1.969
#2	1.955	1.972	2.424	2.034	1.990	2.007	1.971	1.987	1.958
#3	1.949	1.966	2.420	2.045	1.988	2.005	1.977	1.975	1.969

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/24/2016 17:07:58 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2169.5	4534.8	3684.0	3021.4
Stddev	3.7	4.4	109.	17.1
%RSD	.17171	.09805	.29565	.56458
#1	2165.4	4539.9	36753.	3004.8
#2	2172.7	4532.5	36807.	3038.8
#3	2170.4	4532.0	36962.	3020.5

7.1
7

Sample Name: CCB Acquired: 3/24/2016 17:12:10 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0016	.0007	.0005	.0002	.0061	.0000	.0001	.0003
Stddev	.0001	.0031	.0003	.0002	.0001	.0010	.0000	.0000	.0001
%RSD	291.3	188.9	43.61	32.62	44.91	15.70	89.42	36.72	35.33
#1	-.0001	.0020	.0011	.0004	.0003	.0072	.0001	.0001	.0002
#2	-.0001	-.0016	.0006	.0004	.0002	.0052	.0000	.0001	.0002
#3	.0002	.0044	.0004	.0007	.0001	.0060	.0000	.0001	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0147	.0186	.0140	.0001	F .0013	-.0058	.0001	-.0001
Stddev	.0001	.0012	.0017	.0179	.0000	.0004	.0038	.0000	.0005
%RSD	31.81	8.120	9.416	128.2	17.78	29.88	64.39	56.36	408.0
#1	-.0002	.0158	.0190	.0078	.0002	.0017	-.0015	.0001	-.0004
#2	-.0002	.0134	.0167	-.0001	.0002	.0013	-.0077	.0001	.0004
#3	-.0003	.0148	.0201	.0342	.0001	.0009	-.0083	.0001	-.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0012	-.0037	.0001	.0003	.0009	.0013	.0005	-.0011
Stddev	.0006	.0014	.0004	.0001	.0000	.0000	.0005	.0001	.0000
%RSD	299.1	122.0	9.807	75.23	17.13	1.549	40.04	27.11	.3671
#1	-.0008	.0003	-.0039	.0001	.0003	.0009	.0012	.0005	-.0011
#2	-.0004	.0028	-.0038	.0001	.0002	.0009	.0019	.0005	-.0011
#3	-.0002	.0004	-.0033	.0002	.0003	.0009	.0009	.0003	-.0011

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/24/2016 17:12:10 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2464.5	4771.4	3888.5	3087.5
Stddev	2.8	7.3	204.	13.3
%RSD	.11546	.15258	.52438	.43189
#1	2465.9	4765.0	3891.0	3076.9
#2	2461.2	4770.0	3867.0	3102.4
#3	2466.3	4779.3	3907.5	3083.1

Sample Name: FA32319-20F Acquired: 3/24/2016 17:16:42 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	2.718	.0005	.0098	.0000	22.74	.0005	.0010	.0050
Stddev	.0002	.013	.0006	.0003	.0000	.16	.0000	.0001	.0001
%RSD	105.8	4884	122.9	2.580	393.7	6888	8.602	10.60	1.518
#1	-0.001	2.732	.0010	.0099	.0001	22.75	.0005	.0011	.0049
#2	-0.005	2.717	-0.002	.0099	.0000	22.58	.0006	.0010	.0051
#3	.0000	2.705	.0007	.0095	.0000	22.90	.0005	.0009	.0051
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0001	4.089	3.284	2.488	.0114	.0005	5.010	.0031	.0006
Stddev	.0001	.017	.0077	.049	.0001	.0000	.014	.0002	.0005
%RSD	79.62	.4236	2.346	1.969	1.178	4.404	.2761	7.785	76.59
#1	.0002	4.095	3.364	2.488	.0116	.0006	5.023	.0029	.0002
#2	.0000	4.069	3.210	2.438	.0114	.0006	5.012	.0033	.0006
#3	.0001	4.102	3.279	2.536	.0113	.0005	4.996	.0030	.0012
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0016	.0012	1.807	.0009	.0140	.0014	-.0018	.0131	.0095
Stddev	.0007	.0017	.004	.0001	.0000	.0001	.0020	.0002	.0001
%RSD	42.61	141.9	2.001	12.41	1.581	5.403	113.2	1.520	.7050
#1	.0011	.0010	1.804	.0008	.0140	.0015	-.0027	.0129	.0095
#2	.0024	.0030	1.806	.0009	.0140	.0014	.0005	.0132	.0095
#3	.0013	-.0004	1.811	.0011	.0140	.0015	-.0031	.0132	.0096
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2380.5	4690.3	38264.	3049.9					
Stddev	4.7	5.3	240.	9.8					
%RSD	.19821	.11374	.62832	.31977					
#1	2375.3	4685.8	38177.	3052.2					
#2	2381.7	4689.0	38079.	3058.2					
#3	2384.6	4696.2	38536.	3039.1					

Sample Name: FA32319-21F Acquired: 3/24/2016 17:21:11 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	.1362	.0488	.0472	.0000	64.81	-.0003	-.0001	.0015
Stddev	.0000	.0024	.0001	.0004	.0001	.34	.0000	.0000	.0002
%RSD	14.93	1.746	.2141	.7895	179.2	.5310	.3090	28.48	15.86
#1	-0.003	.1339	.0488	.0476	.0001	64.98	-.0003	-.0002	.0013
#2	-0.003	.1387	.0489	.0472	.0001	65.04	-.0003	-.0002	.0015
#3	-0.003	.1360	.0487	.0468	.0000	64.42	-.0003	-.0001	.0017
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.001	5.208	3.695	8.462	.0587	.0007	17.87	.0007	-.0001
Stddev	.0001	.044	.021	.137	.0002	.0001	.09	.0001	.0005
%RSD	69.12	.8427	.5542	1.618	.2945	15.95	.5194	18.54	370.7
#1	-0.002	5.239	3.716	8.466	.0586	.0007	17.96	.0006	-.0002
#2	.0000	5.227	3.675	8.598	.0586	.0008	17.88	.0008	.0004
#3	-0.002	5.158	3.695	8.324	.0589	.0006	17.77	.0006	-.0006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0013	.0029	1.347	.0005	.1807	.0009	-.0008	.0052	.0065
Stddev	.0005	.0019	.002	.0005	.0016	.0001	.0005	.0002	.0000
%RSD	37.93	65.90	1.328	93.89	.8814	6.001	65.08	3.142	4334
#1	.0010	.0007	1.349	.0011	.1818	.0010	-.0012	.0050	.0065
#2	.0010	.0037	1.345	.0005	.1816	.0009	-.0002	.0052	.0065
#3	.0018	.0043	1.347	.0001	.1789	.0009	-.0010	.0053	.0065
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2312.1	4567.4	37486.	2990.0					
Stddev	3.0	4.8	149.	13.5					
%RSD	.12875	.10435	.39620	.45010					
#1	2310.2	4567.0	37315.	2980.9					
#2	2310.6	4562.9	37554.	2983.7					
#3	2315.5	4572.4	37588.	3005.5					

7.1
7

Sample Name: FA32355-1 Acquired: 3/24/2016 17:25:41 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	4.168	.0013	.0129	.0000	46.32	-.0002	.0000	.0039
Stddev	.0002	.025	.0002	.0002	.000	.13	.0001	.0001	.0001
%RSD	108.9	6006	18.60	1.870	389.2	2824	36.23	462.0	2.636
#1	-0.001	4.140	.0014	.0130	.0001	46.18	-.0002	.0000	.0039
#2	.0000	4.186	.0015	.0130	.0000	46.36	-.0001	.0001	.0038
#3	-.0004	4.179	.0010	.0126	-.0001	46.43	-.0001	.0000	.0040
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0005	6.523	1.637	1.086	.0076	.0020	3.015	.0006	.0013
Stddev	.0002	.0043	.020	.009	.0001	.0001	.009	.0002	.0002
%RSD	33.65	.6573	1.229	.8192	1.198	5.931	.2956	27.43	13.57
#1	.0003	.6493	1.629	1.089	.0076	.0021	3.025	.0007	.0011
#2	.0006	.6503	1.660	1.093	.0077	.0020	3.013	.0004	.0013
#3	.0006	.6572	1.623	1.076	.0075	.0019	3.008	.0006	.0014
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0015	.0021	4.013	.0006	.0957	.1290	-.0012	.0078	.0077
Stddev	.0011	.0017	.025	.0001	.0003	.0018	.0005	.0001	.0001
%RSD	77.48	84.96	.6191	16.28	.3105	1.359	39.66	.8993	.9467
#1	.0022	.0024	4.007	.0005	.0961	.1283	-.0017	.0078	.0077
#2	.0002	.0002	4.040	.0006	.0955	.1309	-.0012	.0079	.0078
#3	.0020	.0036	3.991	.0006	.0957	.1276	-.0007	.0078	.0077
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2353.3	4633.2	37766.	2994.2					
Stddev	.8	11.7	254.	21.6					
%RSD	.03325	.25319	.67146	.72028					
#1	2352.4	4622.3	37610.	3012.5					
#2	2353.6	4645.6	37629.	2999.7					
#3	2353.9	4631.8	38058.	2970.5					

Sample Name: FA32355-2 Acquired: 3/24/2016 17:30:12 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	.4437	-.0010	.0156	-.0001	47.71	-.0001	-.0001	.0015
Stddev	.0002	.0027	.0011	.0004	.0000	.18	.0000	.0001	.0001
%RSD	112.4	6.017	111.9	2.676	59.82	.3738	19.37	95.43	5.403
#1	.0001	.4407	.0001	.0159	-.0001	47.81	-.0001	.0000	.0015
#2	-.0003	.4458	-.0009	.0158	.0000	47.50	-.0002	-.0001	.0014
#3	-.0004	.4446	-.0021	.0151	-.0001	47.82	-.0001	-.0001	.0016
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0001	.3927	1.554	3.357	.0070	.0046	4.466	.0000	.0001
Stddev	.0001	.0049	.020	.029	.0000	.0000	.022		

Sample Name: FA32355-3 Acquired: 3/24/2016 17:34:44 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.076	-0.016	0.029	0.000	51.65	-0.001	-0.001	0.004
Stddev	.0002	.0058	.0004	.0001	.000	.23	.0001	.0001	.0001
%RSD	95.74	7.367	26.69	3.905	24.03	4514	34.95	86.68	33.37

#1	-0.004	0.0758	-0.012	0.029	0.000	51.92	-0.002	-0.001	0.004
#2	-0.002	0.0853	-0.015	0.028	0.000	51.48	-0.001	0.000	0.005
#3	0.000	0.0748	-0.021	0.030	0.000	51.56	-0.002	-0.001	0.002

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.001	0.0151	1.423	1.862	0.001	0.036	1.559	-0.003	-0.006
Stddev	.0002	.0047	.021	.029	.0001	.0001	.007	.0001	.0004
%RSD	125.8	31.44	1.449	1.566	45.28	1.578	4.394	31.34	73.18

#1	-0.001	0.0202	1.446	1.891	0.002	0.036	1.562	-0.002	-0.011
#2	-0.003	0.0109	1.413	1.833	0.001	0.037	1.551	-0.004	-0.003
#3	0.000	0.0140	1.409	1.863	0.001	0.036	1.564	-0.004	-0.004

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.019	0.044	85.10	0.005	0.0752	0.019	-0.016	0.036	0.062
Stddev	.0005	.0018	.0012	.0000	.0003	.0003	.0014	.0000	.0000
%RSD	28.08	40.28	1.416	8.829	4.304	13.76	88.29	.8978	4.094

#1	0.024	0.048	85.22	0.004	0.0755	0.019	-0.026	0.036	0.061
#2	0.014	0.0059	84.98	0.005	0.0748	0.022	-0.021	0.036	0.062
#3	0.019	0.0024	85.11	0.005	0.0752	0.017	0.000	0.036	0.062

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2362.7	4628.5	3783.1	3019.4
Stddev	2.0	1.4	175.	8.8
%RSD	.08364	.02964	.46318	.29291

#1	2362.1	4629.4	3775.2	3009.7
#2	2361.1	4627.0	3771.0	3026.9
#3	2364.9	4629.3	3803.2	3021.6

Sample Name: CRIA Acquired: 3/24/2016 17:39:16 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0089	0.2174	0.0097	0.2108	0.0052	1.107	0.0052	0.0528	0.0109
Stddev	.0001	.0029	.0011	.0003	.0000	.003	.0000	.0002	.0003
%RSD	1.295	1.329	11.40	.1521	.1835	.2841	.8894	.3294	2.839

#1	0.0088	0.2187	0.0100	0.2110	0.0052	1.110	0.0052	0.0528	0.0106
#2	0.0088	0.2195	0.0084	0.2105	0.0052	1.105	0.0052	0.0527	0.0112
#3	0.0090	0.2141	0.0105	0.2111	0.0052	1.104	0.0053	0.0530	0.0108

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0261	0.3185	10.16	5.399	0.0163	0.0495	10.26	0.0418	0.049
Stddev	.0002	.0072	.12	.032	.0001	.0002	.04	.0001	.0002
%RSD	.5785	2.269	1.169	.5840	.5967	.4529	.4283	.1641	4.478

#1	0.0259	0.3229	10.30	5.379	0.0164	0.0495	10.29	0.0417	0.048
#2	0.0261	0.3224	10.07	5.435	0.0162	0.0492	10.21	0.0418	0.047
#3	0.0262	0.3101	10.12	5.382	0.0164	0.0497	10.28	0.0419	0.051

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0047	0.0110	0.023	0.0527	0.0101	0.0101	0.0086	0.0481	0.0200
Stddev	.0008	.0006	.0003	.0005	.0002	.0001	.0004	.0003	.0002
%RSD	15.87	5.809	12.52	.9511	1.670	1.187	4.368	.6041	.7813

#1	0.0044	0.0102	0.023	0.0523	0.0101	0.0100	0.0084	0.0484	0.0202
#2	0.0042	0.0113	0.026	0.0532	0.0100	0.0102	0.0084	0.0478	0.0201
#3	0.0056	0.0114	0.020	0.0526	0.0103	0.0100	0.0091	0.0479	0.0199

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2421.1	4746.2	3843.2	3092.1
Stddev	1.6	6.5	202.	12.3
%RSD	.06445	.13710	.52464	.39661

#1	2422.1	4739.9	3824.3	3105.2
#2	2419.3	4752.9	3841.0	3090.3
#3	2421.8	4745.7	3864.4	3080.9

Sample Name: ICSA Acquired: 3/24/2016 17:43:44 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	F 517.5	0.034	0.001	-0.001	F 502.0	-0.021	0.000	0.002
Stddev	.0004	3.9	.0014	.0002	.0000	3.2	.0003	.000	.0000
%RSD	265.0	.7595	41.46	232.6	18.64	6.282	12.36	408.5	9.524

#1	-0.003	515.4	0.036	0.001	-0.001	498.6	-0.018	0.000	0.002
#2	-0.005	522.0	0.020	-0.001	-0.001	504.7	-0.024	0.001	0.002
#3	-0.002	515.0	0.048	0.002	-0.001	502.8	-0.021	-0.002	0.002

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.006	189.7	0.806	F 541.5	-0.006	0.007	1.309	0.008	0.008
Stddev	.0002	1.3	.0130	4.2	.0001	.0003	.0100	.0002	.0013
%RSD	40.80	.7092	16.19	.7812	23.08	50.03	7.605	20.77	157.5

#1	0.003	188.3	0.844	537.4	-0.006	0.004	1.412	0.009	-0.002
#2	0.007	191.0	0.912	545.8	-0.007	0.006	1.301	0.009	0.023
#3	0.007	189.8	0.660	541.3	-0.004	0.010	1.213	0.006	0.004

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.002	0.032	0.0120	0.014	0.000	0.006	-0.024	0.019	-0.049
Stddev	.0011	.0065	.0008	.0007	.000	.0002	.0011	.0002	.0001
%RSD	507.8	204.2	6.673	51.52	118.4	29.43	45.78	10.34	1.817

#1	0.010	-0.034	0.0120	0.019	-0.001	0.004	-0.036	0.020	-0.049
#2	-0.006	0.097	0.011	0.016	0.000	0.007	-0.014	0.021	-0.050
#3	-0.010	0.033	0.0127	0.006	0.000	0.007	-0.022	0.017	-0.049

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1918.7	4111.7	3288.5	2844.6
Stddev	5.1	6.1	140.	23.5
%RSD	.26697	.14839	.42457	.82594

#1	1922.0	4118.6	3272.6	2870.2
#2	1921.3	4109.5	3299.0	2824.0
#3	1912.8	4107.0	3293.8	2839.6

Sample Name: ICSAB Acquired: 3/24/2016 17:48:18 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)		

Sample Name: CCV Acquired: 3/24/2016 17:52:42 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2581	41.22	1.955	2.056	2.031	41.97	1.992	2.012	2.031
Stddev	.0021	.05	.012	.003	.002	.09	.005	.004	.003
%RSD	.8113	.1221	.5928	.1344	.0983	.2210	.2629	.2244	.1672

#1	.2593	41.21	1.944	2.057	2.028	42.02	1.986	2.007	2.029
#2	.2556	41.18	1.953	2.053	2.032	42.03	1.993	2.011	2.035
#3	.2592	41.28	1.967	2.058	2.031	41.87	1.997	2.016	2.030

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.044	39.97	40.13	41.83	2.029	2.003	40.24	1.978	1.976
Stddev	.011	.05	.05	.26	.005	.006	.08	.009	.005
%RSD	.5543	.1305	.1163	.6185	.2280	.3112	.1891	.4559	.2646

#1	2.041	40.02	40.13	42.12	2.025	1.996	40.25	1.971	1.970
#2	2.035	39.92	40.08	41.62	2.029	2.003	40.16	1.976	1.978
#3	2.057	39.97	40.18	41.76	2.034	2.009	40.31	1.988	1.980

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.963	1.976	2.426	2.035	1.996	2.009	1.984	1.981	1.969
Stddev	.010	.012	.010	.003	.004	.002	.004	.003	.007
%RSD	.4917	.6006	.3943	.1407	.1853	.1207	.2230	.1375	.3332

#1	1.956	1.967	2.418	2.032	1.998	2.007	1.984	1.980	1.962
#2	1.960	1.971	2.423	2.034	1.992	2.007	1.979	1.983	1.972
#3	1.974	1.989	2.437	2.038	1.999	2.012	1.988	1.978	1.974

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/24/2016 17:52:42 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2153.4	4491.9	3677.4	2979.0
Stddev	2.2	16.8	84.	6.7
%RSD	.10184	.37345	.22778	.22498

#1	2155.5	4505.6	36868.	2976.5
#2	2153.5	4497.1	36748.	2986.6
#3	2151.1	4473.2	36706.	2973.9

Sample Name: CCB Acquired: 3/24/2016 17:56:54 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0201	.0001	.0004	.0002	.0187	.0001	.0001	.0000
Stddev	.0002	.0082	.0006	.0003	.0000	.0030	.0000	.0001	.000
%RSD	52.19	40.59	435.7	83.72	20.87	16.18	51.68	130.5	775.7

#1	.0006	.0281	.0006	.0002	.0003	.0167	.0000	.0002	.0001
#2	.0003	.0205	.0005	.0002	.0003	.0222	.0001	.0002	.0001
#3	.0002	.0118	.0004	.0008	.0002	.0174	.0000	.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	.0213	.0123	.0273	.0001	F .0014	-0.0055	.0000	-0.0003
Stddev	.0002	.0013	.0200	.0071	.0001	.0004	.0100	.000	.0004
%RSD	54.18	5.911	163.1	25.95	43.93	31.05	182.1	721.1	120.5

#1	-.0002	.0227	.0328	.0352	.0001	.0018	.0058	.0001	.0000
#2	-.0005	.0204	.0110	.0218	.0002	.0014	-.0092	.0001	-.0007
#3	-.0007	.0207	-.0071	.0248	.0001	.0010	-.0131	.0000	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0017	-0.0040	.0001	.0003	.0009	.0013	.0004	-0.0011
Stddev	.0009	.0020	.0004	.0005	.0001	.0000	.0010	.0001	.0000
%RSD	114.6	119.2	9.307	444.2	20.19	3.965	72.34	30.72	2.540

#1	.0017	.0041	-.0044	.0002	.0003	.0009	.0024	.0002	-.0011
#2	.0005	.0005	-.0036	.0005	.0004	.0009	.0009	.0004	-.0011
#3	.0001	.0005	-.0039	-.0004	.0004	.0008	.0006	.0004	-.0011

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/24/2016 17:56:54 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2467.2	4763.8	3870.8	3096.5
Stddev	4.6	3.9	241.	4.1
%RSD	.18447	.08279	.62216	.13134

#1	2462.9	4767.7	38976.	3100.5
#2	2472.0	4763.9	38638.	3092.4
#3	2466.7	4759.8	38510.	3096.5

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000009	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000083	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000005	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000100	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000000	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000011	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000112	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000009	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000041	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000029	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000026	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	-0.000028	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000035	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	0.000020	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000006	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	-0.000029	0.602126	0.000000	1.000000
Al 396.152 { 85}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	0.002022	0.222557	0.000000	1.000000
As 189.042 {478}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	-0.000752	0.193936	0.000000	1.000000
Ba 455.403 { 74}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	0.002985	9.143317	0.000000	1.000000
Be 313.042 {108}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	0.003130	10.997944	0.000000	1.000000
Ca 317.933 {106}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	0.007272	0.239367	0.000000	1.000000
Cd 226.502 {449}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	-0.000645	4.865808	0.000000	1.000000
Co 228.616 {447}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	-0.000435	2.670659	0.000000	1.000000
Cr 267.716 {126}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	-0.000161	0.526124	0.000000	1.000000
Cu 324.754 {104}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	0.007328	0.943427	0.000000	1.000000
Fe 259.940 {130}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	0.001946	0.162600	0.000000	1.000000
In 230.606 {446}*	3/24/2016 10:28:13	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	0.002864	0.098069	0.000000	1.000000
Mg 279.079 {121}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	0.000016	0.024414	0.000000	1.000000
Mn 257.610 {131}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	0.001197	2.914045	0.000000	1.000000
Mo 202.030 {467}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	0.001197	1.145486	0.000000	1.000000
Na 589.592 { 57}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	-0.007419	0.412525	0.000000	1.000000
Ni 231.604 {445}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	-0.000007	1.643136	0.000000	1.000000
Pb 220.353 {453}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	-0.000070	0.823963	0.000000	1.000000
Sb 206.833 {463}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	0.000713	0.278337	0.000000	1.000000
Se 196.090 {472}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	-0.000731	0.137564	0.000000	1.000000
Si 212.412 {459}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	0.006068	0.392995	0.000000	1.000000
Sn 189.989 {477}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	0.000509	0.392071	0.000000	1.000000
Sr 407.771 { 83}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	0.005808	15.914623	0.000000	1.000000
Ti 334.941 {101}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	0.001464	2.138024	0.000000	1.000000
Tl 190.856 {477}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	-0.001349	0.280747	0.000000	1.000000
V 292.402 {115}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	-0.000561	0.738448	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	0.001127	2.399242	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999857	0.000098	0.000352	0.001173	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999803	0.007124	0.008267	0.027555	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999947	0.000161	0.000809	0.002696	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999982	0.004400	0.000254	0.000846	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999948	0.009004	0.000069	0.000229	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999641	0.010334	0.003622	0.012073	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999928	0.004701	0.000050	0.000167	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999949	0.002169	0.000101	0.000338	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999909	0.000571	0.000253	0.000842	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999989	0.000363	0.000210	0.000699	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999527	0.008060	0.002782	0.009275	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999877	0.002480	0.033001	0.110002	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999766	0.000852	0.023373	0.077910	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999720	0.005552	0.000040	0.000134	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999982	0.000553	0.000138	0.000460	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999852	0.011427	0.008097	0.026989	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999917	0.001703	0.000168	0.000561	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999939	0.000735	0.000622	0.002072	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999967	0.000181	0.000900	0.003001	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999976	0.000077	0.001670	0.005566	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.986205	0.005313	0.000442	0.001474	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999936	0.000358	0.000340	0.001133	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999975	0.009106	0.000092	0.000308	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999956	0.001612	0.000094	0.000314	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999977	0.000153	0.001055	0.003518	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999982	0.000348	0.000228	0.000761	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999939	0.002143	0.000076	0.000254	OK	1.000000	0.000000	1	0

Sample Name: Blank Acquired: 4/25/2016 9:09:05 Type: Cal
Method: 60102007_042011(v78) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.002	.0027	-0.0007	.0049	.0042	.0074	-0.0004	.0000	-0.001
Stddev	.0000	.0018	.0002	.0009	.0016	.0012	.0005	.0003	.0001
%RSD	22.92	66.44	22.38	19.38	37.77	16.77	137.9	623.5	82.79
#1	-.0002	.0045	-.0005	.0059	.0060	.0079	.0002	-.0003	-.0001
#2	-.0002	.0010	-.0008	.0044	.0029	.0082	-.0004	-.0001	.0000
#3	-.0002	.0025	-.0007	.0042	.0038	.0060	-.0008	-.0001	-.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0068	.0022	-0.0042	.0000	.0014	.0013	-0.0067	-0.0002	.0004
Stddev	.0001	.0002	.0017	.0001	.0001	.0002	.0027	.0003	.0001
%RSD	1.190	10.91	41.37	335.6	9.276	14.95	39.97	173.1	28.42
#1	.0068	.0023	-.0045	.0000	.0014	.0015	-.0036	.0000	.0003
#2	.0067	.0023	-.0023	.0000	.0014	.0014	-.0079	.0000	.0004
#3	.0069	.0019	-.0057	.0001	.0012	.0011	-.0085	-.0005	.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0009	.0000	.0051	.0005	.0073	.0023	-0.0013	-0.0004	.0015
Stddev	.0000	.0000	.0002	.0001	.0032	.0001	.0001	.0002	.0001
%RSD	4.721	424.1	3.365	25.31	44.17	4.503	9.021	51.70	8.239
#1	.0009	-.0001	.0053	.0005	.0109	.0023	-.0012	-.0006	.0016
#2	.0009	.0000	.0050	.0006	.0059	.0024	-.0014	-.0002	.0015
#3	.0008	.0001	.0049	.0004	.0049	.0022	-.0013	-.0003	.0014
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2748.3	5008.3	43397.	3460.4					
Stddev	5.4	6.9	148.	44.3					
%RSD	.19698	.13842	.34036	1.2809					
#1	2750.6	5010.5	43444.	3443.8					
#2	2752.2	5013.8	43514.	3510.6					
#3	2742.1	5000.5	43231.	3426.8					

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Sample Name: LowStd Acquired: 4/25/2016 9:13:10 Type: Cal
Method: 60102007_042011(v78) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0350	2.180	.0747	4.511	5.320	2.437	2.197	1.250	2.481
Stddev	.0002	.005	.0001	.021	.025	.027	.002	.001	.0006
%RSD	.4917	.2132	.1603	.4770	.4765	1.094	.0838	.0982	.2444
#1	.0352	2.177	.0746	4.531	5.320	2.461	2.195	1.249	2.485
#2	.0350	2.186	.0748	4.514	5.346	2.441	2.197	1.251	2.474
#3	.0348	2.178	.0747	4.488	5.295	2.408	2.198	1.249	2.485
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4562	1.679	.9667	.2397	1.325	.5064	3.900	.7391	.3610
Stddev	.0019	.011	.0042	.0032	.001	.0002	.014	.0002	.0009
%RSD	.4106	.6329	.4392	1.344	.0382	.0458	.3455	.0309	.2395
#1	.4579	1.680	.9688	.2429	1.325	.5063	3.901	.7394	.3601
#2	.4564	1.689	.9695	.2396	1.326	.5067	3.913	.7391	.3610
#3	.4542	1.668	.9618	.2365	1.325	.5063	3.886	.7389	.3618
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1141	.0534	.1897	.1821	8.495	1.002	.1190	.3328	1.008
Stddev	.0003	.0001	.0007	.0002	.013	.001	.0007	.0009	.002
%RSD	.2331	.2285	.3505	.1067	.1556	.0775	.5764	.2822	.1618
#1	.1144	.0534	.1894	.1823	8.488	1.002	.1187	.3330	1.007
#2	.1139	.0535	.1904	.1820	8.510	1.003	.1184	.3318	1.007
#3	.1139	.0532	.1891	.1820	8.487	1.001	.1197	.3336	1.010
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2560.5	4929.4	42387.	3446.6					
Stddev	.6	12.3	43.	29.8					
%RSD	.02187	.24870	.10193	.86332					
#1	2559.9	4919.2	42338.	3436.9					
#2	2561.0	4925.8	42419.	3423.0					
#3	2560.7	4943.0	42404.	3480.0					

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7.2
7

Sample Name: MidStd Acquired: 4/25/2016 9:18:40 Type: Cal
Method: 60102007_042011(v78) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1408	9.335	3.160	18.73	21.83	10.28	8.932	5.051	1.018
Stddev	.0005	.009	.0007	.10	.06	.05	.008	.002	.002
%RSD	.3699	.0993	.2131	.5153	.2823	.4584	.0909	.0311	.2250
#1	.1406	9.329	3.167	18.67	21.89	10.31	8.940	5.052	1.015
#2	.1414	9.345	3.160	18.84	21.84	10.32	8.932	5.052	1.020
#3	.1404	9.330	3.154	18.67	21.76	10.23	8.924	5.049	1.018
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.847	6.244	4.169	1.026	5.399	1.989	16.80	2.965	1.528
Stddev	.008	.016	.016	.006	.020	.001	.01	.007	.001
%RSD	.4301	.2502	.3765	.6374	.3668	.0498	.0480	.2400	.0934
#1	1.839	6.256	4.164	1.030	5.379	1.989	16.81	2.972	1.527
#2	1.855	6.250	4.187	1.030	5.419	1.989	16.81	2.966	1.529
#3	1.847	6.227	4.157	1.018	5.400	1.988	16.79	2.958	1.529
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4689	.2217	.6210	.7053	33.44	3.963	.4947	1.320	4.110
Stddev	.0006	.0011	.0004	.0012	.07	.009	.0002	.001	.005
%RSD	.1330	.4740	.0629	.1731	.2101	.2383	.0356	.0349	.1123
#1	.4693	.2229	.6215	.7041	33.40	3.954	.4945	1.321	4.108
#2	.4682	.2211	.6210	.7053	33.53	3.973	.4947	1.320	4.106
#3	.4692	.2211	.6207	.7065	33.41	3.962	.4949	1.320	4.115
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2329.8	4772.5	40690.	3401.0					
Stddev	3.0	5.4	151.	2.8					
%RSD	.12822	.11243	.37229	.08250					
#1	2333.3	4772.1	40793.	3401.3					
#2	2328.3	4767.4	40516.	3398.1					
#3	2327.9	4778.1	40761.	3403.7					

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Sample Name: HighStd Acquired: 4/25/2016 9:24:59 Type: Cal
Method: 60102007_042011(v78) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2804	18.73	6.353	37.63	43.40	20.45	17.52	9.912	1.988
Stddev	.0007	.06	.0011	.20	.26	.04	.02	.006	.003
%RSD	.2596	.3133	.1751	.5255	.5916	.1819	.1384	.0632	.1538
#1	.2803	18.79	6.340	37.86	43.66	20.49	17.49	9.906	1.985
#2	.2797	18.68	6.359	37.48	43.14	20.42	17.54	9.912	1.987
#3	.2812	18.71	6.359	37.56	43.41	20.44	17.54	9.919	1.991
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.659	12.64	8.381	2.067	10.38	3.958	33.73	5.812	3.084
Stddev	.007	.04	.050	.006	.01	.004	.21	.014	.008
%RSD	.1955	.3093	.5981	.3156	.0719	.0966	.6132	.2380	.2634
#1	3.657	12.68	8.439	2.065	10.38	3.956	33.96	5.799	3.080
#2	3.667	12.60	8.354	2.062	10.37	3.957	33.57	5.826	3.094
#3	3.654	12.63	8.351	2.074	10.38	3.963	33.66	5.812	3.079
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S					

Sample Name: HSTD Acquired: 4/25/2016 9:29:31 Type: QC
 Method: 60102007_042011(v78) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.005	80.19	4.053	3.993	3.999	80.10	4.000	3.996	3.985
Stddev	.0007	.21	.005	.011	.011	.59	.004	.006	.016
%RSD	.1480	.2627	.1158	.2786	.2836	.7380	.1112	.1465	.3904

#1	.5008	79.95	4.050	3.990	3.987	79.69	4.000	3.992	3.978
#2	.5011	80.33	4.051	4.005	4.001	79.82	3.996	3.992	3.975
#3	.4997	80.29	4.059	3.983	4.009	80.77	4.005	4.002	4.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.951	79.73	80.23	80.63	3.943	4.002	80.45	4.001	4.057
Stddev	.003	.42	.19	.79	.032	.003	.10	.008	.012
%RSD	.0768	.5303	.2393	.9848	.8082	.0851	.1292	.2098	.3049

#1	3.947	79.36	80.05	79.93	3.923	3.998	80.36	3.998	4.070
#2	3.952	79.64	80.20	80.46	3.925	4.003	80.56	3.995	4.056
#3	3.953	80.19	80.43	81.49	3.979	4.005	80.44	4.011	4.045

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.036	4.047	4.653	3.959	3.968	3.968	4.019	4.015	3.989
Stddev	.012	.007	.006	.004	.008	.019	.008	.009	.007
%RSD	.2926	.1816	.1225	.1094	.2072	.4796	.1934	.2282	.1750

#1	4.023	4.043	4.647	3.954	3.962	3.967	4.010	4.007	3.992
#2	4.044	4.042	4.655	3.961	3.977	3.950	4.022	4.013	3.981
#3	4.042	4.055	4.658	3.962	3.964	3.988	4.025	4.025	3.995

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 4/25/2016 9:29:31 Type: QC
 Method: 60102007_042011(v78) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2121.0	4524.2	3905.7	3259.7
Stddev	4.6	14.5	183.	34.9
%RSD	.21809	.32099	.46740	1.0710

#1	2124.9	4539.4	39153.	3290.0
#2	2115.9	4522.6	39171.	3267.7
#3	2122.2	4510.5	38846.	3221.5

Sample Name: ICV Acquired: 4/25/2016 9:36:18 Type: QC
 Method: 60102007_042011(v78) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.439	41.15	2.000	2.056	2.082	42.29	2.065	2.054	2.062
Stddev	.0008	.16	.006	.009	.002	.26	.002	.002	.005
%RSD	.3361	.3843	.2978	.4232	.0789	.6239	.1026	.0861	.2240

#1	.2447	40.97	1.996	2.046	2.080	42.01	2.064	2.054	2.061
#2	.2430	41.20	1.998	2.062	2.083	42.54	2.065	2.052	2.067
#3	.2440	41.27	2.007	2.059	2.082	42.33	2.068	2.056	2.058

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.959	41.85	41.76	42.84	2.127	1.934	42.24	2.075	2.044
Stddev	.004	.10	.23	.18	.004	.002	.01	.002	.003
%RSD	.1949	.2470	.5523	.4201	.1942	.0877	.0243	.0899	.1298

#1	1.963	41.73	41.51	42.64	2.129	1.935	42.24	2.073	2.041
#2	1.959	41.93	41.83	42.88	2.130	1.932	42.23	2.075	2.046
#3	1.956	41.89	41.95	42.99	2.122	1.935	42.25	2.077	2.045

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.993	2.037	1.012	2.075	1.941	1.995	2.098	1.946	2.102
Stddev	.001	.006	.0016	.005	.013	.001	.007	.002	.002
%RSD	.0666	.2819	1.551	.2316	.6465	.0674	.3267	.0869	.1096

#1	1.992	2.042	.1004	2.080	1.927	1.997	2.091	1.948	2.105
#2	1.992	2.030	.1002	2.070	1.944	1.995	2.100	1.946	2.101
#3	1.994	2.037	.1030	2.076	1.952	1.994	2.105	1.944	2.101

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 4/25/2016 9:36:18 Type: QC
 Method: 60102007_042011(v78) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2286.3	4717.4	39798.	3274.4
Stddev	5.9	10.2	103.	11.6
%RSD	.25983	.21686	.25837	.35558

#1	2293.1	4728.4	39913.	3287.8
#2	2282.5	4715.6	39715.	3267.8
#3	2283.2	4708.2	39764.	3267.6

Sample Name: ICB Acquired: 4/25/2016 9:44:47 Type: QC
 Method: 60102007_042011(v78) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.0016	.0007	-0.0002	-0.0001	-0.0033	-0.0001	-0.0002	-0.0002
Stddev	.000	.0031	.0015	.0003	.0000	.0045	.0000	.0001	.0002
%RSD	314.1	191.7	197.5	151.1	32.45	133.8	25.23	24.09	102.5
#1	.0001	-.0024	.0020	-.0002	-.0001	-.0077	-.0001	-.0002	-.0004
#2	-.0001	.0018	.0011	.0001	-.0001	.0012	-.0002	-.0003	-.0002
#3	-.0001	-.0042	-.0009	-.0004	-.0001	-.0035	-.0002	-.0002	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0008	-0.0035	.0104	.0040	-0.0002	-0.0002	-0.0053	-0.0003	.0003
Stddev	.0001	.0031	.0192	.0121	.0000	.0001	.0062	.0001	.0001
%RSD	11.32	90.04	185.7	298.7	12.16	27.57	117.4	48.65	26.79
#1	-.0008	.0000	-.0117	.0018	-.0002	-.0002	-.0082	-.0002	.0003
#2	-.0007	-.0043	.0238	.0170	-.0002	-.0002	-.0094	-.0002	.0002
#3	-.0008	-.0061	.0189	-.0068	-.0002	-.0003	.0018	-.0004	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	-0.0005	-0.0003	-0.0003	-0.0002	-0.0002	-0.0007	-0.0004	-0.0005
Stddev	.0002	.0014	.0003	.0005	.0001	.0000	.0010	.0002	.0001
%RSD	53.83	290.9	108.6	157.5	47.40	24.77	144.2	35.20	17.86
#1	-.0005	-.0021	.0001	.0001	-.0001	-.0002	-.0017	-.0004	-.0004
#2	-.0002	-.0001	-.0004	-.0008	-.0003	-.0003	-.0006	-.0003	-.0005
#3	-.0007	.0007	-.0005	-.0002	-.0002	-.0002	.0002	-.0006	-.0005

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 4/25/2016 9:44:47 Type: QC
 Method: 60102007_042011(v78) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2705.3	4964.5	4240.2	3365.3
Stddev	2.4	2.7	107.	19.1
%RSD	.08844	.05458	.25167	.56756
#1	2707.2	4964.5	42328.	3352.8
#2	2706.0	4961.7	42355.	3387.3
#3	2702.6	4967.1	42525.	3355.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	-0.0005	-0.0003	-0.0003	-0.0002	-0.0002	-0.0007	-0.0004	-0.0005
Stddev	.0002	.0014	.0003	.0005	.0001	.0000	.0010	.0002	.0001
%RSD	53.83	290.9	108.6	157.5	47.40	24.77	144.2	35.20	17.86
#1	-.0005	-.0021	.0001	.0001	-.0001	-.0002	-.0017	-.0004	-.0004
#2	-.0002	-.0001	-.0004	-.0008	-.0003	-.0003	-.0006	-.0003	-.0005
#3	-.0007	.0007	-.0005	-.0002	-.0002	-.0002	.0002	-.0006	-.0005

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CRIA Acquired: 4/25/2016 9:50:17 Type: QC
 Method: 60102007_042011(v78) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0092	.2097	.0100	.2063	.0049	1.069	.0053	.0553	.0108
Stddev	.0003	.0090	.0008	.0006	.0001	.002	.0000	.0001	.0001
%RSD	3.486	4.277	7.829	.2935	2.011	.1388	.9404	.0971	.7698
#1	.0089	.2086	.0109	.2061	.0048	1.069	.0053	.0553	.0108
#2	.0091	.2192	.0097	.2070	.0049	1.068	.0052	.0553	.0108
#3	.0095	.2014	.0094	.2059	.0050	1.071	.0053	.0552	.0107

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0259	.3154	10.41	5.354	.0167	.0512	10.47	.0446	.0051
Stddev	.0001	.0049	.03	.014	.0002	.0001	.04	.0000	.0003
%RSD	.2953	1.557	.2881	.2666	1.175	.1561	.3396	.0764	5.892
#1	.0260	.3211	10.44	5.350	.0167	.0513	10.42	.0446	.0053
#2	.0259	.3127	10.38	5.342	.0169	.0511	10.49	.0446	.0053
#3	.0258	.3125	10.41	5.369	.0165	.0512	10.48	.0446	.0047

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0048	.0103	.0500	.0555	.0101	.0104	.0100	.0512	.0234
Stddev	.0004	.0009	.0006	.0003	.0000	.0001	.0013	.0003	.0002
%RSD	7.771	8.986	1.177	.5153	.2687	1.294	12.60	.5026	1.019
#1	.0050	.0111	.0493	.0553	.0101	.0103	.0114	.0513	.0236
#2	.0044	.0105	.0500	.0558	.0100	.0105	.0090	.0515	.0234
#3	.0051	.0093	.0505	.0555	.0101	.0102	.0096	.0509	.0231

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 4/25/2016 9:50:17 Type: QC
 Method: 60102007_042011(v78) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2619.3	4928.2	41495.	3352.3
Stddev	7.3	8.2	221.	12.7
%RSD	.27886	.16548	.53226	.37770
#1	2611.4	4928.2	41614.	3338.0
#2	2625.8	4936.3	41240.	3356.8
#3	2620.7	4920.0	41631.	3362.1

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0048	.0103	.0500	.0555	.0101	.0104	.0100	.0512	.0234
Stddev	.0004	.0009	.0006	.0003	.0000	.0001	.0013	.0003	.0002
%RSD	7.771	8.986	1.177	.5153	.2687	1.294	12.60	.5026	1.019
#1	.0050	.0111	.0493	.0553	.0101	.0103	.0114	.0513	.0236
#2	.0044	.0105	.0500	.0558	.0100	.0105	.0090	.0515	.0234
#3	.0051	.0093	.0505	.0555	.0101	.0102	.0096	.0509	.0231

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSEA Acquired: 4/25/2016 9:56:32 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	504.3	-0.007	-0.002	-0.004	486.4	.0006	-0.005	-0.005
Stddev	.0001	5.0	.0005	.0002	.0000	1.6	.0002	.0001	.0003
%RSD	70.78	.9969	72.86	99.36	8.046	.3301	40.36	15.69	49.75
#1	-0.004	509.9	-0.004	-0.002	-0.004	486.4	.0003	-0.004	-0.005
#2	-0.001	500.1	-0.013	.0000	-0.005	484.9	.0007	-0.005	-0.008
#3	-0.002	503.0	-0.004	-0.004	-0.004	488.1	.0007	-0.005	-0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	187.6	.0115	523.2	-0.007	.0000	.1349	-0.001	.0000
Stddev	.0002	.9	.0264	2.6	.0001	.0005	.0099	.0004	.0016
%RSD	47.04	.4797	228.9	.5019	9.700	959.3	7.309	419.7	3736.
#1	.0007	188.6	.0296	526.1	-0.006	.0005	.1247	.0001	.0006
#2	.0005	187.1	-.0188	521.0	-0.007	-0.004	.1357	.0001	-.0018
#3	.0003	187.0	.0238	522.6	-0.006	.0000	.1444	-0.005	.0013

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0000	.0609	F .0011	-0.003	-0.001	-0.0019	.0008	-0.0022
Stddev	.0021	.004	.0008	.0005	.0000	.0001	.0024	.0002	.0001
%RSD	962.5	111500.	1.235	49.81	6.402	53.22	128.6	27.71	6.775
#1	-0.019	.0025	.0606	.0017	-0.003	-0.002	-0.0023	.0006	-0.0020
#2	.0022	.0018	.0603	.0007	-0.003	-0.002	.0007	.0008	-.0023
#3	-0.010	-.0043	.0617	.0008	-0.003	-0.001	-0.0040	.0011	-.0022

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSEA Acquired: 4/25/2016 9:56:32 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2040.3	4363.6	36719.	3200.0
Stddev	5.5	13.5	59.	10.8
%RSD	.26914	.30982	.16194	.33749
#1	2046.4	4378.0	36787.	3190.3
#2	2038.8	4361.9	36693.	3211.7
#3	2035.8	4351.1	36677.	3198.0

Sample Name: ICSAB Acquired: 4/25/2016 10:02:27 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.049	502.7	1.111	.5271	.5215	484.9	.9836	.4844	.5192
Stddev	.002	2.9	.004	.0021	.0030	3.1	.0014	.0004	.0009
%RSD	.2176	.5745	.3597	.4042	.5670	.6334	.1427	.0778	.1654
#1	1.051	504.8	1.116	.5287	.5243	487.7	.9852	.4848	.5194
#2	1.049	499.4	1.108	.5281	.5218	481.6	.9828	.4842	.5183
#3	1.047	503.8	1.110	.5247	.5184	485.4	.9828	.4841	.5199

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5507	189.5	.0321	520.8	.5207	.9605	.1611	.9786	.9845
Stddev	.0024	.6	.0408	2.0	.0021	.0012	.0068	.0017	.0032
%RSD	.4342	.3055	127.0	.3802	.3947	.1240	4.237	.1709	.3256
#1	.5528	190.1	.0016	523.1	.5223	.9610	.1532	.9805	.9858
#2	.5481	189.4	.0784	519.6	.5184	.9591	.1651	.9778	.9869
#3	.5512	189.0	.0163	519.8	.5214	.9614	.1650	.9775	.9809

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.039	1.039	.0976	.9468	1.021	1.022	.9677	.4843	.9742
Stddev	.003	.001	.0002	.0004	.005	.002	.0059	.0013	.0004
%RSD	.2856	.1333	2.261	.0396	.4735	.1608	.6072	.2748	.0454
#1	1.036	1.039	.0978	.9464	1.025	1.022	.9703	.4855	.9739
#2	1.039	1.039	.0973	.9471	1.022	1.020	.9719	.4828	.9747
#3	1.042	1.041	.0977	.9468	1.016	1.023	.9610	.4845	.9739

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 4/25/2016 10:02:27 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2014.3	4350.1	36476.	3166.0
Stddev	3.1	2.0	78.	8.7
%RSD	.15382	.04506	.21383	.27459
#1	2016.5	4351.6	36464.	3160.4
#2	2010.7	4351.0	36559.	3176.0
#3	2015.5	4347.9	36404.	3161.5

Sample Name: CCV Acquired: 4/25/2016 10:08:41 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2526	40.31	2.053	1.994	2.031	40.51	2.070	2.057	2.061
Stddev	.0013	.10	.003	.012	.006	.28	.002	.001	.006
%RSD	.5309	.2496	.1217	.6080	.3073	.6887	.1062	.0368	.3019
#1	.2540	40.43	2.053	2.008	2.038	40.82	2.071	2.056	2.062
#2	.2513	40.28	2.051	1.988	2.029	40.44	2.071	2.058	2.066
#3	.2526	40.23	2.056	1.987	2.026	40.27	2.067	2.057	2.054

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.026	39.89	40.06	40.41	2.091	2.038	40.43	2.077	2.034
Stddev	.004	.14	.26	.22	.011	.001	.14	.002	.005
%RSD	.2099	.3386	.6576	.5405	.5093	.0565	.3416	.0707	.2326
#1	2.031	40.03	40.36	40.64	2.096	2.037	40.59	2.078	2.032
#2	2.024	39.86	39.84	40.39	2.098	2.039	40.36	2.077	2.039
#3	2.023	39.77	39.99	40.20	2.079	2.038	40.35	2.075	2.030

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.058	2.062	1.476	2.061	1.976	2.075	2.060	2.049	2.046
Stddev	.004	.002	.001	.003	.010	.006	.002	.001	.003
%RSD	.2087	.1062	.0724	.1446	.4872	.3140	.1103	.0474	.1291
#1	2.056	2.063	1.476	2.060	1.987	2.079	2.060	2.050	2.045
#2	2.055	2.063	1.475	2.064	1.970	2.077	2.063	2.048	2.048
#3	2.063	2.059	1.478	2.058	1.971	2.067	2.058	2.049	2.043

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/25/2016 10:08:41 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2319.6	4717.2	40489.	3338.9
Stddev	1.3	3.1	103.	24.3
%RSD	.05479	.06615	.25356	.72845
#1	2320.9	4718.9	40393.	3317.1
#2	2318.4	4719.1	40478.	3334.3
#3	2319.4	4713.6	40597.	3365.1

7.2
7

Sample Name: CCB Acquired: 4/25/2016 10:17:37 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0055	-0.001	-0.004	.0000	.0058	-0.001	-0.001	.0000
Stddev	.0002	.0031	.0010	.0004	.000	.0032	.0001	.0001	.000
%RSD	159.7	55.80	1231.	86.13	39.35	55.52	102.8	87.88	498.7
#1	.0000	.0061	.0003	-.0007	-.0001	.0034	.0000	.0000	.0002
#2	.0000	.0082	-.0012	-.0005	.0000	.0046	-.0001	-.0001	-.0001
#3	.0003	.0022	.0007	.0000	-.0001	.0095	-.0001	-.0002	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.0005	.0096	.0001	-0.0001	-0.0004	.0109	-0.0002	.0002
Stddev	.000	.0026	.0476	.0225	.0000	.0002	.0066	.0002	.0003
%RSD	193.1	502.8	493.4	15070.	41.71	50.03	60.88	90.10	142.5
#1	-.0001	.0010	-.0404	-.0162	.0000	-.0002	.0176	.0000	.0001
#2	.0000	.0009	.0543	.0258	-.0001	-.0004	.0044	-.0002	.0005
#3	.0000	-.0035	.0151	-.0092	-.0001	-.0006	.0107	-.0003	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	-0.0008	.0003	-0.0004	-0.0001	-0.0003	-0.0009	.0000	-0.0003
Stddev	.0004	.0007	.0002	.0002	.0000	.0000	.0002	.000	.0001
%RSD	80.74	87.19	70.79	44.72	29.78	8.551	26.84	1150.	29.62
#1	-.0001	.0000	.0001	-.0003	-.0001	-.0003	-.0011	-.0002	-.0002
#2	-.0005	-.0010	.0004	-.0005	-.0002	-.0004	-.0009	.0001	-.0003
#3	-.0009	-.0013	.0004	-.0002	-.0001	-.0003	-.0006	.0000	-.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/25/2016 10:17:37 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2749.1	4961.6	42728.	3481.5
Stddev	6.1	2.5	151.	14.9
%RSD	.22072	.05089	.35400	.42930
#1	2752.9	4964.3	42806.	3473.2
#2	2752.2	4959.3	42824.	3472.6
#3	2742.1	4961.4	42554.	3498.8

Sample Name: FA33258-1 Acquired: 4/25/2016 10:21:59 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 200.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.476	2.002	0.957	-0.213	-0.547	789.0	-0.519	-0.562	-0.702
Stddev	0.145	9838	0.708	0.155	0.100	3.4	0.053	0.061	0.055
%RSD	30.52	491.5	74.01	72.81	18.19	4320	10.22	10.85	7.879
#1	0.374	1.289	1.568	-0.036	-0.435	787.0	-0.506	-0.570	-0.657
#2	0.412	-6.252	1.122	-0.327	-0.625	792.9	-0.577	-0.497	-0.764
#3	0.643	-0.631	0.181	-0.275	-0.581	787.1	-0.473	-0.619	-0.686
Elem	Cu3247	Fe2599	K 7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.783	0.178	33.02	427.7	0.574	-0.693	1030.0	-0.473	-0.659
Stddev	0.181	1324	3.37	3.7	0.043	0.096	18	0.052	1.745
%RSD	23.18	742.1	10.21	8540	7.529	13.82	1.749	11.08	264.9
#1	0.580	1.381	36.69	430.2	0.610	-0.781	10320	-0.413	-1.827
#2	0.929	0.394	30.07	429.5	0.586	-0.591	10310	-0.493	-1.347
#3	0.840	-1.240	32.30	423.6	0.526	-0.706	10280	-0.512	-1.495
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V 2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-2.702	-0.897	6.117	-0.835	14.45	-0.458	-1.585	-0.004	1.446
Stddev	0.2781	0.3677	0.16	0.924	0.03	0.205	0.166	0.0347	0.005
%RSD	102.9	410.0	2.556	110.8	1.910	44.80	67.27	93.73	3.800
#1	-2.447	0.362	6.133	-1.260	14.48	-0.449	-0.635	-0.402	1.444
#2	-0.058	-4.204	6.114	-1.470	14.43	-0.668	-2.739	0.232	1.453
#3	-5.602	-1.548	6.102	0.226	14.43	-0.258	-1.382	0.158	1.442
Int. Std.	In2306	Y 2243	Y 3600	Y 3710					
Avg	2545.3	4805.7	4100.7	3420.7					
Stddev	3.9	11.5	113	19.4					
%RSD	0.15422	0.23876	0.27448	0.56853					
#1	2545.1	4809.2	4093.5	3413.6					
#2	2541.4	4792.9	4113.7	3405.9					
#3	2549.3	4815.0	4094.9	3442.7					

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Sample Name: FA33258-2 Acquired: 4/25/2016 10:26:30 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 125.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.263	1.880	0.486	-0.195	-0.429	655.0	-0.329	-0.455	-0.200
Stddev	0.0280	1.406	0.363	0.0351	0.0057	1.9	0.040	0.0035	0.015
%RSD	92.07	74.77	74.54	179.6	13.30	2919	12.22	7.614	57.49
#1	-0.268	3.374	0.088	-0.469	-0.451	653.3	-0.285	-0.484	-0.119
#2	-0.050	5.834	0.796	-0.318	-0.364	657.1	-0.363	-0.417	-0.149
#3	-0.030	1.683	0.576	0.201	-0.472	654.6	-0.338	-0.463	-0.332
Elem	Cu3247	Fe2599	K 7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.136	2.993	22.63	386.3	0.364	-0.446	593.6	-0.381	0.040
Stddev	0.0372	1.845	6.22	1.0	0.006	0.025	10	0.103	0.943
%RSD	273.2	61.65	27.48	2.512	1.681	5.694	1.653	27.08	2334
#1	-0.170	1.874	16.81	386.6	0.371	-0.418	592.6	-0.500	-0.089
#2	0.028	1.982	21.90	387.1	0.360	-0.468	593.7	-0.322	-0.832
#3	0.051	5.123	29.18	385.2	0.361	-0.452	594.6	-0.320	1.042
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V 2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-1.213	-0.611	6.032	-0.495	10.71	-0.308	-0.946	-0.406	0.703
Stddev	0.1248	0.674	0.29	0.030	0.04	0.080	0.240	0.224	0.137
%RSD	102.8	110.4	4.793	60.65	3.391	26.13	215.7	55.03	1.570
#1	-0.416	-0.813	6.020	-0.164	10.67	-0.396	0.674	-0.456	0.8683
#2	-2.651	-1.160	6.065	-0.569	10.72	-0.289	-0.275	-0.162	0.8848
#3	-0.572	0.141	6.011	-0.750	10.74	-0.238	-0.326	-0.061	0.8577
Int. Std.	In2306	Y 2243	Y 3600	Y 3710					
Avg	2559.9	4841.3	4132.0	3460.1					
Stddev	1.6	8.3	86	19.3					
%RSD	0.06400	0.17144	0.20856	0.55745					
#1	2561.5	4835.2	4123.7	3469.2					
#2	2559.9	4850.8	4131.3	3438.0					
#3	2558.3	4837.9	4140.9	3473.2					

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7.2
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Sample Name: FA33258-3 Acquired: 4/25/2016 10:31:02 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 50.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.150	-1.007	0.096	-0.170	-0.193	630.7	-0.153	-0.182	-0.179
Stddev	0.100	0.3951	0.306	0.046	0.017	2.0	0.021	0.040	0.114
%RSD	66.91	392.6	319.4	27.19	8.916	3215	13.86	22.08	63.94
#1	0.141	2.439	0.409	-0.173	-0.174	632.2	-0.173	-0.154	-0.058
#2	0.054	-5.320	0.082	-0.214	-0.208	628.4	-0.155	-0.164	-0.192
#3	0.255	-0.140	-0.203	-0.122	-0.195	631.6	-0.131	-0.228	-0.286
Elem	Cu3247	Fe2599	K 7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.032	-2.749	20.21	271.3	-0.157	0.105	349.1	-0.138	-0.242
Stddev	0.088	0.469	1.00	1.8	0.004	0.033	8	0.033	0.121
%RSD	274.1	17.05	4.969	6.720	2.786	31.62	2.374	24.18	49.97
#1	-0.059	-2.879	19.79	271.1	-0.156	0.077	350.1	-0.146	-0.128
#2	0.038	-2.229	19.48	269.6	-0.153	0.096	348.6	-0.167	-0.230
#3	0.118	-3.139	21.36	273.2	-0.162	0.142	348.7	-0.101	-0.369
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V 2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.367	1.271	3.731	-0.213	10.50	-0.074	-1.103	0.040	3.116
Stddev	0.281	0.852	0.28	0.084	0.04	0.021	0.115	0.058	0.020
%RSD	76.53	67.03	7.447	39.20	3.611	28.58	10.41	147.5	6.304
#1	-0.686	0.714	3.759	-0.159	10.55	-0.060	-1.190	0.088	3.135
#2	-0.159	2.252	3.703	-0.309	10.48	-0.064	-0.973	-0.025	3.116
#3	-0.256	0.847	3.730	-0.171	10.48	-0.098	-1.147	0.056	3.096
Int. Std.	In2306	Y 2243	Y 3600	Y 3710					
Avg	2503.0	4801.3	4082.0	3441.3					
Stddev	8.3	2.8	16.9	4.4					
%RSD	0.33216	0.05810	0.41297	0.12777					
#1	2507.4	4798.5	4065.5	3437.3					
#2	2493.4	4804.0	4081.2	3446.0					
#3	2508.2	4801.3	4099.2	3440.6					

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Sample Name: FA33259-1 Acquired: 4/25/2016 10:35:31 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 250.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.418	-2.698	-0.578	-0.559	-1.178	954.7	-0.672	-0.670	-1.006
Stddev	0.077	2.068	1.099	0.300	0.117	6.2	0.141	0.204	0.280
%RSD	18.29	76.64	190.2	53.69	9.940	648.7	20.92	30.42	27.79
#1	-0.495	-2.915	-1.746	-0.830	-1.297	954.5	-0.563	-0.814	-1.280
#2	-0.418	-4.648	0.436	-0.237	-1.172	948.6	-0.622	-0.759	-1.017
#3	-0.342	-5.300	-0.423	-0.609	-1.064	961.0	-0.831	-0.437	-0.721
Elem	Cu3247	Fe2599	K 7664	Mg2790	Mn2576	Mo2			

Sample Name: FA33259-2 Acquired: 4/25/2016 10:40:03 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 100.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.172	6.546	3.481	-0.363	-0.425	800.5	-0.293	-0.337	-0.364
Stddev	0.030	5.570	0.376	0.101	0.056	.9	0.047	0.137	0.095
%RSD	175.9	85.10	10.79	27.72	13.18	.1151	15.92	40.61	26.15
#1	-0.010	1.275	3.125	-0.263	-0.362	800.9	-0.245	-0.266	-0.266
#2	0.015	1.237	3.873	-0.465	-0.447	799.5	-0.296	-0.495	-0.371
#3	-0.522	5.989	3.445	-0.361	-0.467	801.3	-0.339	-0.250	-0.456
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.029	-0.768	29.70	200.6	-0.164	-0.024	5715.	-0.292	-0.114
Stddev	0.184	3.537	1.83	1.5	0.030	0.007	6.	0.161	0.930
%RSD	639.2	460.6	6.171	7.233	18.26	27.60	.1048	55.20	812.8
#1	-0.082	-4.541	28.97	198.9	-0.198	-0.031	5716.	-0.123	-1.059
#2	-0.180	-2.471	31.79	201.7	-0.154	-0.018	5720.	-0.311	-0.086
#3	0.176	-0.233	28.34	201.0	-0.140	-0.024	5708.	-0.444	0.801
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-1.102	0.505	5.195	-0.468	12.30	-0.202	-1.048	0.301	0.769
Stddev	0.765	1.007	0.43	0.146	0.3	0.080	0.109	0.081	0.057
%RSD	69.47	199.2	8.348	31.30	2.431	39.73	105.8	27.01	7.430
#1	-1.465	0.792	5.156	-0.299	12.33	-0.202	-1.351	0.360	0.773
#2	-1.617	-0.613	5.188	-0.553	12.28	-0.282	0.181	0.333	0.764
#3	-0.222	-1.338	5.242	-0.552	12.29	-0.121	-1.975	0.208	0.773
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2527.4	4829.6	4105.7	3438.1					
Stddev	2.5	7.1	158.	13.8					
%RSD	0.09736	0.14667	0.38595	0.40019					
#1	2527.1	4822.3	4096.1	3439.1					
#2	2530.0	4836.4	4096.9	3423.8					
#3	2525.1	4830.1	4123.9	3451.3					

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Sample Name: FA33260-1 Acquired: 4/25/2016 10:49:03 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 100.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.009	-1.074	0.003	-0.168	-0.415	872.8	-0.257	-0.288	-0.335
Stddev	0.109	2.07	0.955	0.101	0.031	2.4	0.033	0.113	0.133
%RSD	121.1	19.29	28120.	60.33	7.554	2.730	12.92	39.23	39.84
#1	0.137	-1.119	0.035	-0.284	-0.381	873.4	-0.290	-0.278	-0.236
#2	-0.035	-8.476	0.977	-0.122	-0.420	874.8	-0.223	-0.180	-0.282
#3	0.167	-1.254	-0.932	-0.097	-0.444	870.2	-0.260	-0.405	-0.486
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.032	-1.095	29.70	248.8	-0.344	-0.374	5897.	-0.447	0.511
Stddev	0.114	1.76	4.42	1.6	0.031	0.204	10.	0.224	0.887
%RSD	352.0	16.08	14.90	6.274	9.147	54.49	1.763	50.05	173.7
#1	-0.055	-1.073	31.39	247.2	-0.353	-0.155	5900.	-0.265	1.236
#2	0.161	-9.306	33.03	248.8	-0.309	-0.558	5905.	-0.697	0.774
#3	-0.009	-1.281	24.67	250.3	-0.370	-0.408	5885.	-0.379	-0.478
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.894	1.204	3.136	-0.580	13.05	-0.366	-1.382	-0.122	0.704
Stddev	0.658	0.481	0.30	0.291	0.4	0.053	0.776	0.217	0.047
%RSD	73.58	39.92	9.592	50.17	3.112	14.42	56.14	177.9	6.651
#1	-1.505	1.758	3.161	-0.811	13.07	-0.305	-1.304	0.100	0.703
#2	-0.979	0.903	3.144	-0.253	13.08	-0.391	-0.648	-0.133	0.716
#3	-0.198	0.950	3.103	-0.675	13.00	-0.400	-2.193	-0.333	0.703
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2539.1	4846.6	4131.7	3471.4					
Stddev	4.4	1.5	227.	7.8					
%RSD	0.17424	0.03133	0.54833	0.22574					
#1	2536.4	4847.5	4125.3	3471.5					
#2	2544.2	4847.5	4156.9	3479.3					
#3	2536.6	4844.8	4113.0	3463.6					

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7.2
7

Sample Name: FA33260-2 Acquired: 4/25/2016 10:53:33 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 200.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.597	-1.159	-0.957	-0.567	-0.795	844.0	-0.574	-0.585	-0.660
Stddev	0.690	2.148	0.306	0.155	0.200	3.2	0.020	0.171	0.235
%RSD	115.5	137.8	32.04	27.39	25.19	3.832	3.480	29.26	35.60
#1	-0.142	-3.377	-0.643	-0.502	-0.650	842.4	-0.589	-0.729	-0.917
#2	0.708	-0.811	-0.972	-0.455	-0.712	841.9	-0.552	-0.396	-0.457
#3	1.224	-2.111	-1.255	-0.744	-1.023	847.8	-0.582	-0.632	-0.605
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.070	-1.819	35.02	220.4	-0.728	0.137	13240.	-0.657	-0.355
Stddev	0.511	1.85	5.90	1.2	0.052	0.254	32.	0.217	0.1674
%RSD	733.4	10.18	16.84	5.461	7.199	185.3	2.438	33.08	471.7
#1	0.341	-2.029	28.91	221.7	-0.709	0.208	13250.	-0.812	0.1578
#2	0.092	-1.679	35.46	219.3	-0.688	0.348	13210.	-0.408	-0.1314
#3	-0.642	-1.750	40.68	220.1	-0.788	-0.145	13270.	-0.749	-1.329
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-1.280	0.063	3.441	-0.709	14.67	-0.838	-1.756	-0.799	1.454
Stddev	1.646	0.4247	0.23	0.551	0.8	0.120	0.597	0.170	0.10
%RSD	128.5	6730.	6.652	77.78	5.193	14.35	33.99	21.29	7.146
#1	0.581	-1.327	3.429	-0.592	14.71	-0.736	-2.444	-0.983	1.465
#2	-2.541	-4.672	3.468	-0.225	14.58	-0.807	-1.444	-0.767	1.452
#3	-1.881	3.534	3.427	-1.309	14.71	-0.971	-1.380	-0.647	1.445
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2514.9	4807.1	4095.2	3432.0					
Stddev	7.2	13.1	162.	17.0					
%RSD	0.28538	0.27222	0.39451	0.49621					
#1	2521.4	4821.9	4101.1	3444.1					
#2	2516.0	4802.1	4107.6	3439.4					
#3	2507.2	4797.2	4076.9	3412.5					

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Sample Name: FA33260-3 Acquired: 4/25/2016 10:58:04 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 200.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.008	1.183	0.476	-0.629	-0.897	1037.	-0.575	-0.664	-0.828
Stddev	0.329	1.339	0.916	0.255	0.032	8.	0.046	0.180	0.263
%RSD	412.1	113.1	192.4	40.50	3.519	7.287	7.927	27.09	31.73
#1	0.152	-6.693	-0.540	-0.493	-0.916	1029.	-0.613	-0.765	-0.561
#2	0.210	1.664	1.240	-0.472	-0.861	1038.	-0.587	-0.457	-1.086
#3	-0.387	-6.396	0.728	-0.923	-0.915	1044.	-0.525	-0.772	-0.837
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)							

Sample Name: FA33261-1 Acquired: 4/25/2016 11:02:35 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 200.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	0.247	-1.521	0.144	-0.859	-0.862	799.3	-0.522	-0.724	-1.043
Stddev	.0175	.913	.1380	.0255	.0138	2.6	.0050	.0032	.0044
%RSD	70.86	60.02	957.8	29.68	15.97	.3231	9.538	4.477	4.202
#1	.0303	-1.924	-0.042	-0.653	-0.959	802.0	-0.549	-0.752	-1.062
#2	.0388	-2.163	.1607	-1.144	-0.923	799.0	-0.465	-0.731	-1.074
#3	.0051	-4.758	-1.133	-0.781	-0.704	796.9	-0.553	-0.688	-0.993

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.062	-2.159	27.26	253.2	-0.751	-0.560	844.4	0.271	-0.588
Stddev	.0156	.104	4.77	5.4	.0039	.0293	26.	.0166	.0511
%RSD	251.3	4.803	17.50	2.149	5.238	52.23	.3085	61.22	87.04
#1	-0.007	-2.279	22.88	256.9	-0.706	-0.817	8432.	.0164	-0.064
#2	.0059	-2.096	32.34	255.8	-0.767	-0.622	8474.	.0461	-0.612
#3	-0.0238	-2.102	26.55	247.0	-0.780	-0.242	8427.	.0186	-1.086

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-2.140	-1.675	3.368	-1.242	12.86	-1.032	-0.350	-0.926	2.575
Stddev	.1132	.4841	.057	.0533	.03	.0141	.2435	.0232	.012
%RSD	52.91	289.0	1.695	42.91	.2354	13.69	695.7	25.01	.4585
#1	-2.776	.3658	3.302	-1.577	12.88	-.1194	.2331	-1.189	2.566
#2	-.2813	-.5792	3.402	-1.522	12.86	-0.930	-.2424	-0.839	2.570
#3	-.0833	-.2890	3.401	-1.0628	12.82	-0.974	-0.956	-0.750	2.588

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2569.6	4838.8	41422.	3465.0
Stddev	1.2	4.1	165.	13.3
%RSD	.04525	.08480	.39907	.38318
#1	2568.4	4843.3	41266.	3462.6
#2	2570.7	4835.2	41596.	3453.0
#3	2569.6	4837.9	41405.	3479.3

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7.2
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Sample Name: CCV Acquired: 4/25/2016 11:07:06 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.503	39.98	2.059	1.980	2.026	40.11	2.070	2.052	2.038
Stddev	.0015	.42	.008	.021	.018	.47	.002	.004	.011
%RSD	.5845	1.039	.4100	1.034	.8831	1.167	.1054	.1857	.5228
#1	.2520	40.39	2.063	1.999	2.046	40.53	2.070	2.053	2.031
#2	.2499	39.56	2.050	1.958	2.013	39.60	2.067	2.048	2.031
#3	.2491	39.99	2.066	1.984	2.018	40.20	2.072	2.056	2.050

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.997	39.67	39.59	39.94	2.067	2.030	40.41	2.080	2.033
Stddev	.015	.41	.43	.39	.007	.005	.33	.005	.001
%RSD	.7260	1.041	1.076	.9746	.3201	.2524	.8057	.2390	.0569
#1	2.012	40.09	40.02	40.29	2.066	2.028	40.78	2.080	2.032
#2	1.994	39.26	39.17	39.52	2.061	2.026	40.15	2.074	2.032
#3	1.984	39.66	39.57	39.99	2.075	2.036	40.31	2.084	2.034

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.057	2.054	1.474	2.056	1.955	2.057	2.064	2.042	2.036
Stddev	.008	.003	.005	.006	.022	.004	.011	.007	.001
%RSD	.3923	.1623	.3204	.2749	1.140	.1681	.5229	.3294	.0534
#1	2.055	2.055	1.475	2.058	1.980	2.056	2.061	2.040	2.037
#2	2.050	2.051	1.469	2.049	1.936	2.054	2.055	2.037	2.035
#3	2.066	2.057	1.479	2.060	1.950	2.061	2.076	2.049	2.035

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Sample Name: CCV Acquired: 4/25/2016 11:07:06 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2327.2	4734.6	40871.	3384.8
Stddev	1.3	6.4	129.	41.0
%RSD	.05495	.13519	.31644	1.2122
#1	2328.7	4732.4	40900.	3352.8
#2	2326.5	4741.8	40982.	3431.0
#3	2326.4	4729.6	40729.	3370.4

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Sample Name: CCB Acquired: 4/25/2016 11:11:16 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.003	-0.004	0.000	0.000	0.007	-0.001	-0.001	0.001
Stddev	.0003	.0060	.0006	.000	.000	.0032	.0001	.0001	.0000
%RSD	255.8	2241.	162.9	343.4	71.08	487.8	70.02	51.67	47.02
#1	.0002	-0.069	-0.005	-0.001	.0000	.0027	.0000	-0.001	.0001
#2	-0.003	.0013	-0.008	.0001	.0000	-0.031	-0.001	-0.002	.0001
#3	-0.003	.0048	.0003	-0.002	.0000	.0024	-0.001	-0.001	.0001

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.001	0.043	0.017	-0.0230	-0.001	0.005	0.262	-0.002	-0.002
Stddev	.0001	.0035	.0356	.0265	.0001	.0002	.0054	.0000	.0006
%RSD	211.0	81.76	2099.	115.6	68.58	43.90	20.53	19.26	241.1
#1	.0001	.0082	-.0282	.0064	.0000	.0006	.0310	-.0002	.0003
#2	-0.0001	.0034	.0410	-.0301	-0.0001	.0006	.0204	-0.0003	-0.0002
#3	.0001	.0013	-.0078	-.0452	-0.0002	.0002	.0272	-0.0002	-0.0009

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.001	-0.017	0.010	-0.001	-0.001	0.003	-0.005	-0.002	-0.003
Stddev	.0013	.0009	.0002	.0004	.0000	.0001	.0014	.0002	.0001
%RSD	210.4	50.49	22.42	346.4	50.87	30.84	286.9	112.6	42.18
#1	-0.003	-0.008	.0007	.0003	.0000	.0004	-0.0020	.0000	-0.001
#2	-0.0010	-0.0025	.0011	-0.001	-0.0001	.0003	.0006	-0.0004	-0.0003
#3	.0015	-0.0018	.0011	-0.0005	-0.0001	.0002	.0000	-0.0002	-0.0003

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Sample Name: CCB Acquired: 4/25/2016 11:11:16 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2727.0	4946.7	42925.	3468.1
Stddev	5.2	14.1	224.	26.4
%RSD	.19060	.28588	.52251	.76213

#1	2733.0	4962.0	43181.	3496.1
#2	2723.3	4934.1	42834.	3443.6
#3	2724.8	4943.8	42762.	3464.5

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Sample Name: FA33261-2 Acquired: 4/25/2016 11:15:48 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 200.000000
User: admin SSTRACE01: :
Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-0.257	5.515	.0243	-0.373	-0.814	914.1	-0.558	-0.520	-0.460
Stddev	.0106	1.626	.0410	.0117	.0133	4.5	.0042	.0042	.0114
%RSD	41.34	294.8	168.5	31.38	16.36	.4919	7.554	8.137	24.68

#1	-0.175	.5880	.0688	-0.240	-0.686	911.0	-0.520	-0.500	-0.378
#2	-0.377	-1.092	-0.119	-0.461	-0.952	919.3	-0.603	-0.492	-0.413
#3	-0.219	2.159	.0160	-0.416	-0.804	912.1	-0.550	-0.569	-0.589

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	0.245	5.485	24.46	242.3	2.123	0.192	1472.0	-0.387	-0.376
Stddev	.0585	.5829	4.51	1.6	.0078	.0341	36.	.0187	.1580
%RSD	239.3	106.3	18.42	.6488	3.663	178.1	.2459	48.25	420.0

#1	.0920	.9896	24.27	240.5	.2191	.0384	14700.	-0.336	-0.268
#2	-0.071	.7682	29.06	243.4	.2038	.0394	14760.	-0.231	.1147
#3	-0.115	-1.123	20.05	243.0	.2141	-0.202	14690.	-0.594	-2.007

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	-1.750	-0.421	5.883	-0.817	15.94	-0.307	-0.342	1.451	
Stddev	.1421	.0715	.127	.0040	.05	.0223	.1377	.0197	
%RSD	81.22	169.8	2.165	4.889	.3383	72.60	63.46	57.63	

#1	-0.110	-0.138	5.735	-0.861	15.89	-0.110	-0.3313	-0.196	1.453
#2	-0.2626	-1.234	5.953	-0.783	16.00	-0.550	-0.2557	-0.265	1.457
#3	-0.2513	-0.109	5.959	-0.807	15.95	-0.262	-0.0641	-0.0567	1.443

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2523.8	4829.0	41097.	3451.7
Stddev	8.3	13.0	207.	1.9
%RSD	.33015	.26975	.50431	.05440

#1	2528.3	4842.1	41098.	3452.6
#2	2529.0	4828.8	41303.	3449.6
#3	2514.2	4816.1	40889.	3453.1

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7.2
7

Sample Name: FA33261-3 Acquired: 4/25/2016 11:20:18 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 100.000000
User: admin SSTRACE01: :
Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	0.097	-6.594	-0.309	-0.055	-0.460	613.4	-0.225	-0.318	-0.318
Stddev	.0260	.2635	.0674	.0083	.0011	5.8	.0026	.0074	.0117
%RSD	267.5	39.97	218.0	150.2	2.423	.9426	11.37	23.18	36.88

#1	-0.145	-4.944	-0.289	.0006	-0.472	611.7	-0.249	-0.327	-0.186
#2	.0372	-5.204	-0.994	-0.149	-0.459	619.8	-0.198	-0.386	-0.356
#3	.0065	-9.633	.0354	-0.022	-0.449	608.7	-0.226	-0.240	-0.412

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_3710)	Na5895 (Y_2243)	Ni2316 (In2306)	Pb2203 (Y_3600)
Avg	0.066	-8.286	20.54	123.6	0.106	-0.181	5953.	-0.266	-0.286
Stddev	.0188	.2594	1.48	.6	.0015	.0122	27.	.0156	.0515
%RSD	283.8	31.31	7.215	.4583	13.94	67.21	.4483	58.71	180.0

#1	.0090	-1.109	19.28	123.1	.0096	-0.317	5958.	-0.349	-0.797
#2	.0241	-5.969	22.18	123.4	.0123	-0.080	5977.	-0.362	.0233
#3	-0.132	-7.800	20.16	124.2	.0099	-0.148	5925.	-0.086	-0.294

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_3710)	Sr4077 (Y_3600)	Ti3349 (In2306)	Tl1908 (Y_3600)	V_2924 (Y_2243)	Zn2062 (Y_2243)
Avg	-1.630	-1.303	3.144	-0.543	7.714	-0.297	-0.0913	-0.353	7.395
Stddev	.0673	.0483	.024	.0070	.036	.0104	.1144	.0058	.0235
%RSD	41.30	37.06	.7488	12.96	.4661	34.97	125.2	16.42	3.180

#1	-2.106	-1.838	3.164	-0.463	7.714	-0.414	-0.364	-0.333	.7374
#2	-0.860	-0.900	3.151	-0.075	7.750	-0.265	-0.148	-0.418	.7171
#3	-1.925	-1.170	3.118	-0.092	7.678	-0.213	-0.228	-0.307	.7640

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2546.5	4853.3	41342.	3453.3
Stddev	10.7	12.3	94.	34.8
%RSD	.41881	.25273	.22652	1.0075

#1	2543.2	4846.1	41429.	3463.9
#2	2558.5	4867.5	41355.	3414.5
#3	2537.9	4846.4	41243.	3481.6

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Sample Name: FA33262-2 Acquired: 4/25/2016 11:29:18 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 200.000000
User: admin SSTRACE01: :
Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-0.018	-9.129	0.707	-0.507	-0.802	819.5	-0.543	-0.704	-0.676
Stddev	.0690	1.350	.0777	.0072	.0067	5.1	.0115	.0141	.0175
%RSD	3816.	147.9	109.9	14.23	8.362	.6271	21.09	20.05	25.88

#1	.0271	-2.141	-0.178	-0.554	-0.878	821.0	-0.578	-0.619	-0.523
#2	-0.806	-1.131	-.1279	-0.424	-0.776	823.7	-0.636	-0.627	-0.638
#3	.0480	.5333	.1019	-0.542	-0.752	813.7	-0.415	-0.868	-0.867

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_3710)	Na5895 (Y_2243)	Ni2316 (In2306)	Pb2203 (Y_3600)
Avg	-0.150	-1.573	30.14	177.1	-0.068	-0.633	8301.	-0.764	-0.319
Stddev	.0175	.850	1.17	4.4	.0029	.0159	6.	.0276	.0722
%RSD	116.4	54.04	3.886	2.497	42.71	25.09	.0689	36.18	225.9

#1	-0.198	-1.911	30.98	181.8	-0.036	-0.718	8304.	-1.046	.0381
#2	-0.295	-2.201	30.64	176.3	-0.092	-0.449	8305.	-0.752	-0.278
#3	.0044	-6.057	28.80	173.1	-0.077	-0.730	8295.	-0.493	-1.061

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_3710)	Sr4077 (Y_3600)	Ti3349 (In2306)	Tl1908 (Y_3600)	V_2924 (Y_2243)	Zn2062 (Y_2243)
Avg	-2.942	2.128	4.904	-0.520	11.68	-0.725	-1.402	-0.624	1.250
Stddev	.1223	.1233	.052	.0651	.02	.0078	.1781	.0426	.004
%RSD	41.58	57.95	1.051	125.2	.1428	10.78	127.1	68.33	.3557

#1	-4.244	.2096	4.879	-1.236	11.67	-0.749	-0.3410	-0.778	1.245
#2	-2.765	.3378	4.870	-0.360	11.70	-0.638	-0.781	-0.142	1.251
#3	-1.817	.0912	4.964	.0036	11.68	-0.789	-0.0014	-0.0952	1.253

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2574.3	4843.2	41369.	3453.2
Stddev	5.0	6.3	197.	35.3
%RSD	.19431	.13026	.47609	1.0236

#1	2580.1	4845.2	41585.	3449.8
#2	2572.0	4836.2	41198.	3419.6
#3	2570.9	4848.3	41325.	3490.1

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Sample Name: FA33262-3 Acquired: 4/25/2016 11:33:50 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 100.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.065	1.925	0.325	-0.129	-0.400	839.6	-0.248	-0.313	-0.322
Stddev	.0214	.986	.1089	.0074	.0072	5.2	.0072	.0041	.0065
%RSD	327.7	51.21	335.0	57.11	17.94	.6167	28.93	13.17	20.20
#1	-0.138	2.189	.1303	-0.200	-0.461	843.3	-0.296	-0.316	-0.273
#2	.0045	8337	.0522	-0.053	-0.417	833.7	-0.166	-0.270	-0.297
#3	.0289	2.751	-.0849	-0.135	-0.321	841.8	-0.284	-0.352	-0.396
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	0.018	1.191	25.62	155.5	0.018	0.262	6301.	-0.132	-0.463
Stddev	.0125	.372	2.83	.5	.0008	.0062	16.	.0211	.0696
%RSD	106.3	31.25	11.05	.3370	4.409	23.74	.2605	159.5	150.4
#1	.0198	1.146	27.07	155.6	.0183	.0262	6320.	-0.323	-0.317
#2	.0183	1.583	22.36	154.9	.0181	.0200	6293.	.0094	0.149
#3	-.0027	.8426	27.43	156.0	.0169	.0324	6291.	-0.166	-0.1220
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.825	-1.741	7.345	-0.566	10.87	0.036	-1.029	-0.220	-7.102
Stddev	.0333	.0446	.015	.0334	.02	.0023	.1572	.0249	.0138
%RSD	40.32	25.62	.1974	59.04	.1948	63.44	152.7	113.2	1.937
#1	-0.580	.1231	7.361	-0.474	10.88	.0062	-.2205	-0.141	.6951
#2	-0.692	.2058	7.335	-0.936	10.85	.0024	-1.638	-0.020	.7221
#3	-1.204	.1934	7.338	-0.287	10.89	.0021	0.756	-0.499	.7134
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2522.9	4813.4	40768.	3391.5					
Stddev	1.9	5.1	143.	18.5					
%RSD	.07441	.10642	.35061	.54496					
#1	2524.4	4807.5	40850.	3377.4					
#2	2523.4	4815.7	40603.	3412.4					
#3	2520.8	4816.9	40851.	3384.5					

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Sample Name: FA33263-1 Acquired: 4/25/2016 11:38:22 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 200.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.180	5.088	-1.652	-0.949	-0.892	893.2	-0.545	-0.705	-0.734
Stddev	.0384	1.284	.0505	.0227	.0102	3.7	.0050	.0102	.0591
%RSD	213.5	252.4	30.54	23.91	11.43	.4180	9.222	14.47	80.52
#1	-0.276	1.992	-.1577	-0.688	-0.777	890.6	-.0567	-0.823	-0.337
#2	-0.507	-2.162	-2.191	-1.061	-0.928	897.4	-0.581	-0.640	-0.451
#3	.0243	-2.491	-1.190	-1.097	-0.971	891.4	-0.488	-0.653	-1.412
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	0.010	-1.268	22.32	190.2	-0.214	-0.036	13430.	-0.584	-0.564
Stddev	.0154	.228	3.27	2.2	.0092	.0010	39.	.0157	.0788
%RSD	140.5	18.01	14.67	1.182	42.89	28.91	.2905	26.83	139.8
#1	.0037	-1.165	22.74	188.0	-0.319	-0.026	13390.	-0.537	-0.209
#2	.0287	-1.110	25.36	192.5	-0.147	-0.047	13460.	-0.758	-0.015
#3	.0005	-1.530	18.85	190.1	-0.176	-0.035	13450.	-0.456	-1.467
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-4.148	-3.582	4.236	-1.381	14.34	-0.920	-2.094	-0.674	1.555
Stddev	.1980	.0662	.015	.0802	.09	.0234	.1242	.0117	.019
%RSD	47.75	18.47	.3629	58.06	.6133	25.47	59.35	17.32	1.227
#1	-6.192	-4.325	4.253	-2.083	14.25	-.1024	-1.830	-0.787	1.539
#2	-4.012	-3.057	4.224	-0.507	14.43	-.1084	-3.447	-0.683	1.549
#3	-2.239	-3.363	4.230	-1.553	14.33	-0.652	-1.004	-0.554	1.576
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2518.1	4813.6	41364.	3470.4					
Stddev	16.3	22.8	167.	31.3					
%RSD	.64874	.47449	.40274	.90081					
#1	2529.8	4833.4	41364.	3504.9					
#2	2525.1	4818.9	41531.	3443.9					
#3	2499.5	4788.6	41198.	3462.4					

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7.2
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Sample Name: FA33263-2 Acquired: 4/25/2016 11:42:53 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 200.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.148	-1.181	-0.312	-0.979	-0.872	924.1	-0.563	-0.708	-1.014
Stddev	.0338	1.113	.1187	.0842	.0051	4.2	.0083	.0225	.0084
%RSD	228.4	94.18	380.3	86.01	5.867	4503	14.71	31.80	8.247
#1	-0.061	-2.409	-.1580	-1.609	-0.814	923.2	-.0642	-.0690	-1.050
#2	-0.033	-.8946	.0771	-1.307	-0.890	920.5	-.0572	-.0942	-1.073
#3	.0538	-2.402	-0.127	-0.022	-0.912	928.6	-.0477	-0.493	-0.918
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	-0.387	-1.990	21.29	326.8	-0.381	-1.397	7029.	-0.800	-0.817
Stddev	.0263	.519	6.67	6.0	.0019	.0249	25.	.0468	.0453
%RSD	67.99	26.11	31.32	1.829	5.011	17.81	.3531	58.48	55.51
#1	-0.087	-1.756	24.23	328.5	-0.403	-1.293	7024.	-0.385	-1.337
#2	-0.580	-1.628	13.66	331.7	-0.370	-1.681	7007.	-0.709	-0.608
#3	-0.0495	-2.585	25.99	320.1	-0.369	-1.217	7056.	-1.307	-0.505
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-3.179	-3.042	4.916	-1.091	15.07	-0.734	-3.500	-0.666	2.053
Stddev	.0734	.1515	.039	.0407	.01	.0188	.1886	.0345	.015
%RSD	23.09	49.80	.7870	37.30	.0534	25.55	53.89	51.86	.7387
#1	-2.734	-4.458	4.933	-0.699	15.08	-0.903	-2.285	-1.064	2.070
#2	-2.777	-1.444	4.943	-1.063	15.06	-0.768	-5.673	-0.465	2.047
#3	-4.026	-3.224	4.871	-1.512	15.07	-0.532	-2.542	-0.468	2.042
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2572.0	4842.4	41639.	3453.5					
Stddev	4.7	7.9	275.	9.3					
%RSD	.18425	.16271	.66036	.26939					
#1	2577.1	4851.3	41415.	3450.1					
#2	2571.0	4839.6	41557.	3464.0					
#3	2567.8	4836.4	41946.	3446.3					

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Sample Name: FA33263-3 Acquired: 4/25/2016 11:47:24 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 200.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.314	-3.198	.4535	-0.728	-0.898	984.0	-0.542	-0.626	-0.939
Stddev	.0370	1.364	.1498	.0225	.0197	4.4	.0026	.0142	.0019
%RSD	117.7	42.65	33.03	30.95	21.98	.4498	4.786	22.69	1.983
#1	-0.044	-4.492	.6226	-0.665	-0.685	979.3	-.0538	-0.581	-0.954
#2	.0292	-3.327	.3377	-0.978	-0.935	988.1	-0.519	-0.512	-0.945
#									

Sample Name: FA33259-4 Acquired: 4/25/2016 11:51:54 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.024	0.011	0.094	-0.004	30.15	-0.003	0.012	-0.003
Stddev	.0002	.0030	.0003	.0002	.0000	.18	.0000	.0001	.0001
%RSD	340.8	126.8	32.64	1.720	10.69	.6088	1.647	8.406	45.13
#1	.0000	-0.0009	.0008	.0093	-0.004	30.36	-0.003	.0013	-0.004
#2	.0001	.0029	.0010	.0096	-0.003	30.08	-0.003	.0011	-0.002
#3	-0.002	.0051	.0014	.0094	-0.004	30.01	-0.003	.0012	-0.002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.004	-0.0073	6.504	7.400	0.636	-0.007	9.942	0.102	-0.002
Stddev	.0002	.0035	.0177	.050	.0001	.0000	.017	.0002	.0002
%RSD	43.30	47.51	2.717	.6721	.2226	6.456	.1724	1.735	85.84
#1	.0002	-0.0093	6.307	7.451	.0637	-0.007	9.944	.0100	.0000
#2	.0004	-0.0093	6.559	7.396	.0638	-0.007	9.958	.0103	-0.003
#3	.0005	-0.0033	6.647	7.352	.0635	-0.007	9.924	.0102	-0.002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.000	-0.0003	3.639	-0.004	6.783	0.000	-0.023	-0.003	0.167
Stddev	.0008	.0017	.004	.0003	.0028	.0000	.0015	.0001	.0001
%RSD	1636.	553.7	1.026	73.59	.4077	789.5	64.92	44.71	.7105
#1	.0009	.0011	3.643	-0.008	.6808	.0000	-0.040	-0.004	.0166
#2	.0000	.0001	3.636	-0.003	.6753	.0000	-0.014	-0.002	.0166
#3	-0.0007	-0.0022	3.639	-0.002	.6788	.0000	-0.015	-0.002	.0168
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2586.8	4842.0	41868.	3401.0					
Stddev	3.1	7.1	128.	19.0					
%RSD	.11820	.14662	.30501	.55828					
#1	2588.5	4833.9	41802.	3380.7					
#2	2583.3	4847.0	41787.	3404.2					
#3	2588.6	4845.1	42015.	3418.2					

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Sample Name: FA33259-3 Acquired: 4/25/2016 11:56:22 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 200.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0166	-1.567	0.342	-0.0947	-0.0840	866.1	-0.581	-0.0727	-0.742
Stddev	.0260	1.825	.0829	.0595	.0113	3.7	.0025	.0092	.0826
%RSD	156.9	116.4	242.1	62.80	13.41	.4228	4.377	12.58	111.3
#1	.0096	-1.332	.0866	-.0474	-.0794	869.1	-.0562	-.0756	-.0309
#2	-.0424	-3.498	-.0613	-.0752	-.0758	867.2	-.0610	-.0625	-.1694
#3	-.0170	-.1289	.0774	-.1614	-.0969	862.1	-.0572	-.0801	-.0223
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0874	-2.210	30.45	355.9	-0.0445	-1.707	8263.	-0.0574	-0.447
Stddev	.0031	.090	6.45	1.5	.0148	.0242	33.	.0312	.0546
%RSD	3.528	4.067	21.17	.4201	33.33	14.17	.4033	54.48	122.2
#1	.0902	-2.164	29.03	356.3	-.0467	-.1824	8261.	-.0665	-.0011
#2	.0841	-2.153	24.83	354.3	-.0581	-.1429	8297.	-.0225	-.0270
#3	.0878	-2.314	37.49	357.2	-.0287	-.1868	8231.	-.0830	-.1059
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.2414	-4.678	4.625	-0.0940	14.99	-1.026	-2.308	-0.011	1.234
Stddev	.0719	.2733	.051	.0937	.10	.0106	.2464	.0406	.003
%RSD	29.77	58.43	1.093	99.66	.6990	10.30	106.8	36.25	.2436
#1	-.2868	-.5971	4.644	-.1860	15.04	-.0923	-.1502	-.0479	1.238
#2	-.2788	-.1538	4.663	-.0013	15.06	-.1020	-.5074	.0244	1.232
#3	-.1585	-.6525	4.567	-.0974	14.87	-.1134	-.0347	.0202	1.234
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2555.6	4840.1	41533.	3472.1					
Stddev	2.4	3.3	72.	17.6					
%RSD	.09349	.06877	.17221	.50823					
#1	2553.3	4836.5	41489.	3468.0					
#2	2558.1	4843.0	41615.	3456.9					
#3	2555.3	4840.9	41494.	3491.5					

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7.2
7

Sample Name: CCV Acquired: 4/25/2016 12:00:52 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.537	40.42	2.077	2.016	2.045	40.58	2.093	2.074	2.063
Stddev	.0011	.13	.006	.006	.005	.21	.002	.002	.006
%RSD	.4229	.3260	.2850	.3212	.2631	.5166	.1114	.1137	.2992
#1	.2548	40.43	2.083	2.016	2.047	40.42	2.093	2.075	2.057
#2	.2535	40.28	2.071	2.010	2.039	40.50	2.091	2.072	2.064
#3	.2527	40.55	2.077	2.023	2.050	40.81	2.096	2.076	2.069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.022	40.01	40.04	40.31	2.092	2.050	40.68	2.103	2.059
Stddev	.009	.16	.16	.27	.007	.004	.09	.004	.002
%RSD	.4275	.3981	.3885	.6694	.3596	.1778	.2169	.1743	.0903
#1	2.032	40.10	40.02	40.10	2.084	2.049	40.73	2.103	2.060
#2	2.018	39.82	39.90	40.21	2.095	2.047	40.58	2.100	2.056
#3	2.017	40.10	40.21	40.61	2.098	2.054	40.73	2.108	2.059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.075	2.081	1.488	2.079	1.985	2.079	2.083	2.066	2.059
Stddev	.001	.002	.001	.002	.010	.004	.004	.006	.005
%RSD	.0591	.1028	.0882	.0775	.4930	.1722	.1756	.2702	.2366
#1	2.076	2.082	1.488	2.081	1.987	2.075	2.086	2.060	2.058
#2	2.074	2.079	1.487	2.078	1.974	2.080	2.082	2.067	2.055
#3	2.074	2.083	1.490	2.080	1.993	2.082	2.079	2.071	2.064
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 4/25/2016 12:00:52 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2314.0	4705.9	40450.	3390.9
Stddev	2.5	7.6	106.	15.5
%RSD	.10907	.16238	.26304	.45671
#1	2312.0	4700.7	40536.	3405.8
#2	2316.8	4714.7	40483.	3391.8
#3	2313.2	4702.3	40331.	3374.9

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Sample Name: CCB Acquired: 4/25/2016 12:07:54 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	-0.0047	-0.002	-0.001	-0.002	0.020	-0.001	-0.002	-0.002
Stddev	.0002	.0013	.0002	.0002	.0000	.0006	.0001	.0000	.0001
%RSD	90.06	28.75	107.9	415.3	21.15	31.90	39.15	13.98	25.96
#1	-0.003	-0.0060	-0.002	-0.002	-0.002	.0014	-0.001	-0.002	-0.002
#2	-0.003	-0.0046	.0000	.0002	-0.002	.0027	-0.002	-0.002	-0.002
#3	.0000	-0.0034	-0.003	-0.001	-0.002	.0020	-0.002	-0.002	-0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0029	-0.261	-0.157	-0.002	-0.003	.0135	-0.002	-0.006
Stddev	.0002	.0049	.0008	.0195	.0000	.0000	.0076	.0001	.0006
%RSD	266.0	170.0	2.981	124.0	19.53	13.63	56.57	52.72	96.04
#1	.0002	.0027	-0.268	.0061	-0.002	-0.003	.0086	-0.003	-0.010
#2	.0001	-0.0051	-0.262	-0.315	-0.002	-0.004	.0223	-0.001	-0.007
#3	-0.001	-0.0063	-0.252	-0.217	-0.002	-0.004	.0095	-0.001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0009	.0015	-0.004	-0.001	-0.003	.0000	-0.004	-0.003
Stddev	.0010	.0006	.0002	.0004	.0001	.0001	.0010	.0000	.0000
%RSD	194.7	67.87	13.78	101.8	41.96	29.67	2614.	9.805	1.398
#1	-0.010	-0.0009	.0017	-0.001	-0.001	-0.002	.0011	-0.004	-0.003
#2	.0009	-0.0003	.0013	-0.003	-0.001	-0.004	-0.003	-0.005	-0.003
#3	.0003	-0.0015	.0016	-0.008	-0.002	-0.004	-0.007	-0.004	-0.003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/25/2016 12:07:54 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2722.4	4930.2	42360.	3392.1
Stddev	2.2	6.7	89.	26.7
%RSD	.07911	.13604	.20955	.78793
#1	2724.4	4937.7	42333.	3370.3
#2	2720.1	4927.8	42288.	3421.9
#3	2722.6	4924.9	42459.	3384.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: FA33262-1 Acquired: 4/25/2016 12:12:26 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 500.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0812	.4270	-0.0777	-0.1352	-0.1846	1249.	-0.1318	-0.1567	-0.1257
Stddev	.0331	3.289	.1776	.1435	.0251	4.	.0122	.0581	.0988
%RSD	40.76	770.2	228.5	106.2	13.61	.3030	9.274	37.09	78.60
#1	.0790	-2.184	-1.391	-0.748	-.1697	1246.	-.1459	-1.437	-1.967
#2	.0493	4.120	.1224	-0.318	-.1704	1253.	-.1239	-1.063	-0.129
#3	.1154	-6.554	-2.165	-2.991	-2.136	1249.	-.1257	-2.203	-1.676

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0683	.8772	35.38	292.4	.0458	-1.697	19950.	-0.205	-1.027
Stddev	.0864	1.056	20.97	17.2	.0171	.0580	78.	.0040	.2270
%RSD	126.5	120.4	59.28	5.896	37.35	34.20	.3914	19.64	221.0
#1	.1058	.0287	26.39	299.1	.0271	-1.165	19870.	-0.168	.0504
#2	-0.0305	2.060	20.40	305.2	.0497	-2.316	19960.	-0.248	-3.634
#3	.1296	.5428	59.35	272.8	.0607	-1.610	20030.	-0.200	.0050

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.9023	-0.1978	11.20	-0.3014	21.36	-0.1099	-0.4840	-0.2360	3.294
Stddev	.0610	.5699	.13	.1019	.09	.0352	.6426	.0974	.050
%RSD	6.761	288.1	1.148	33.81	.4257	32.00	132.8	41.28	1.518
#1	-0.9718	-0.0111	11.33	-0.3805	21.29	-0.1496	-1.138	-0.3462	3.269
#2	-0.8774	-0.8400	11.18	-0.1864	21.46	-0.0829	-0.4601	-0.1612	3.262
#3	-0.8576	.2476	11.08	-0.3372	21.32	-0.0972	-0.1464	-0.2006	3.352

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	ppm	ppm	ppm	ppm
Avg	2567.2	4853.2	41551.	3418.9
Stddev	5.9	4.2	80.	20.7
%RSD	.22850	.08729	.19320	.60566
#1	2572.4	4857.5	41641.	3434.0
#2	2568.4	4853.3	41525.	3427.5
#3	2560.8	4849.0	41487.	3395.3

Sample Name: MP30270-MB1 Acquired: 4/25/2016 12:16:58 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	.0016	-0.0022	-0.0005	-0.0004	.0128	-0.0003	-0.0004
Stddev	.0001	.0035	.0007	.0004	.0001	.0019	.0000	.0000
%RSD	23.77	214.9	33.00	94.62	18.06	14.50	5.973	10.91
#1	-0.0003	.0043	-0.017	-0.009	-0.003	.0148	-0.004	-0.005
#2	-0.0002	-0.0023	-0.019	.0000	-0.004	.0127	-0.003	-0.004
#3	-0.0004	.0029	-0.030	-0.005	-0.004	.0111	-0.003	-0.004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0002	.0037	.0123	-0.0171	-0.0001	-0.0006	.0389
Stddev	.0001	.0001	.0006	.0233	.0179	.0000	.0000	.0070
%RSD	302.1	27.53	15.82	189.0	104.8	9.912	4.394	18.02
#1	.0000	.0001	.0034	.0123	-0.0112	-0.0001	-0.0005	.0364
#2	.0001	.0003	.0044	.0356	-0.0372	-0.0001	-0.0006	.0469
#3	.0000	.0002	.0033	-0.0110	-0.0028	-0.0001	-0.0005	.0335

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	-0.0001	.0003	.0017	.0138	.0219	-0.0003	-0.0004
Stddev	.0001	.0001	.0003	.0014	.0012	.0001	.0001	.0000
%RSD	27.50	69.15	100.7	83.10	8.613	.3969	15.48	5.449
#1	-0.0002	-0.0001	.0000	.0034	.0132	.0218	-0.0003	-0.0004
#2	-0.0002	.0000	.0007	.0009	.0130	.0220	-0.0004	-0.0004
#3	-0.0003	-0.0001	.0003	.0009	.0151	.0220	-0.0003	-0.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30270-MB1 Acquired: 4/25/2016 12:16:58 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	F -0.0064	-0.0004	.0002
Stddev	.0074	.0002	.0000
%RSD	115.0	58.19	16.57

#1	-0.149	-0.005	.0002
#2	-0.025	-0.001	.0002
#3	-0.018	-0.006	.0002

Check ?	Chk Fail	Chk Pass	Chk Pass
High Limit	.0050		
Low Limit	-.0050		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2715.3	4892.1	43380.	3491.6
Stddev	4.0	5.5	79.	33.4
%RSD	.14851	.11149	.18267	.95717

#1	2719.2	4897.7	43446.	3515.0
#2	2715.6	4886.8	43403.	3453.3
#3	2711.2	4891.7	43293.	3506.5

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Sample Name: MP30270-B1 Acquired: 4/25/2016 12:21:31 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0465	26.35	2.000	2.007	.0517	25.21	.0519	.5146	.2055
Stddev	.0002	.05	.007	.010	.0002	.10	.0002	.0010	.0008
%RSD	.3589	.2064	.3639	.4980	.3008	.4016	.3432	.1876	.4075

#1	.0464	26.38	2.001	2.013	.0519	25.29	.0518	.5138	.2055
#2	.0467	26.28	1.992	1.996	.0516	25.10	.0518	.5143	.2046
#3	.0464	26.37	2.007	2.013	.0517	25.24	.0521	.5157	.2063

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2583	26.25	24.24	24.38	.5292	.4962	24.79	.5273	.4920
Stddev	.0007	.14	.11	.12	.0031	.0013	.10	.0014	.0015
%RSD	.2718	.5337	.4725	.4949	.5948	.2529	.4219	.2653	.3017

#1	.2590	26.38	24.34	24.49	.5288	.4957	24.86	.5267	.4919
#2	.2583	26.10	24.11	24.25	.5262	.4954	24.67	.5264	.4905
#3	.2576	26.25	24.27	24.39	.5325	.4977	24.83	.5290	.4935

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5036	2.003	.0226	.5248	.4729	.5037	1.985	.4937	.5125
Stddev	.0004	.011	.0006	.0009	.0022	.0014	.004	.0017	.0008
%RSD	.0749	.5495	2.627	.1680	.4705	.2695	.1785	.3403	.1484

#1	.5038	2.002	.0220	.5237	.4751	.5036	1.981	.4926	.5118
#2	.5038	1.993	.0227	.5253	.4706	.5024	1.986	.4928	.5125
#3	.5032	2.015	.0231	.5253	.4729	.5051	1.987	.4956	.5133

Check ?	Chk Pass	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
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Sample Name: MP30270-B1 Acquired: 4/25/2016 12:21:31 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2462.6	4832.5	41662.	3452.9
Stddev	2.0	4.7	120.	15.5
%RSD	.08318	.09761	.28840	.44926

#1	2460.7	4829.9	41634.	3460.2
#2	2462.3	4837.9	41793.	3463.4
#3	2464.8	4829.5	41557.	3435.0

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Sample Name: FA33351-1 Acquired: 4/25/2016 12:25:43 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.0009	93.34	.0129	1.497	.0041	35.70	.0000	.0013
Stddev	.0001	.17	.0002	.001	.0000	.15	.0000	.0000
%RSD	6.265	.1770	1.762	.0692	.8939	4.320	64.86	2.852

#1	-0.0009	93.30	.0129	1.498	.0040	35.66	.0001	.0013
#2	-0.0008	93.53	.0127	1.497	.0041	35.87	.0000	.0013
#3	-0.0009	93.21	.0131	1.496	.0040	35.57	.0000	.0013

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.1211	.0082	4.591	1.091	1.546	.0147	.0024	.2464
Stddev	.0006	.0001	.009	.018	.010	.0001	.0000	.0010
%RSD	.5118	1.640	.1956	1.685	.6664	.3656	.4297	.4151

#1	.1212	.0081	4.599	1.070	1.545	.0146	.0024	.2460
#2	.1217	.0081	4.592	1.102	1.536	.0147	.0024	.2457
#3	.1205	.0083	4.581	1.102	1.557	.0147	.0024	.2476

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.0114	.1711	-0.0033	.0023	1.020	.0070	F 6.535	.2829
Stddev	.0001	.0009	.0002	.0006	.000	.0001	.037	.0008
%RSD	1.044	5.382	7.147	25.34	.0097	1.504	.5728	.2657

#1	.0115	.1700	-0.0030	.0028	1.020	.0069	6.568	.2822
#2	.0115	.1718	-0.0033	.0017	1.020	.0071	6.495	.2828
#3	.0113	.1714	-0.0035	.0026	1.020	.0070	6.544	.2837

Elem	Tl1908	V_2924	Zn2062
IS Ref	(In2306)	(Y_3600)	(Y_2243)
Avg	F -0.128	.0564	.0228
Stddev	.0017	.0002	.0000
%RSD	13.17	.3468	.2065

#1	-0.135	.0561	.0228
#2	-0.109	.0565	.0228
#3	-0.141	.0564	.0229

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Sample Name: FA33351-1 Acquired: 4/25/2016 12:25:43 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2345.1	12425.	107360.	8833.2
Stddev	3.6	29.	326.	35.0
%RSD	.15371	.23304	.30360	.39580
#1	2348.1	12401.	107660.	8820.4
#2	2341.1	12457.	107020.	8806.4
#3	2346.2	12417.	107400.	8872.8

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Sample Name: MP30270-D1 Acquired: 4/25/2016 12:30:12 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.009	93.17	.0124	1.495	.0042	28.03	.0000	.0012
Stddev	.0001	.11	.0001	.001	.0000	.06	.0000	.0001
%RSD	12.77	.1215	1.104	.0929	1.011	.2115	17.76	4.622
#1	-0.008	93.06	.0125	1.495	.0042	27.98	.0000	.0012
#2	-0.008	93.29	.0124	1.494	.0043	28.09	.0000	.0011
#3	-0.010	93.16	.0122	1.496	.0042	28.02	.0001	.0012
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.1195	.0057	4.443	1.092	1.470	.0120	.0021	2.563
Stddev	.0008	.0001	.015	.013	.002	.0000	.0000	.0029
%RSD	.6614	2.459	.3409	1.185	.1382	.3076	1.735	1.137
#1	.1203	.0056	4.432	1.105	1.470	.0121	.0021	2.530
#2	.1187	.0058	4.460	1.079	1.468	.0120	.0021	2.576
#3	.1194	.0058	4.437	1.091	1.472	.0120	.0020	2.584
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.0111	1.656	-0.0036	.0011	.9443	.0067	6.595	2.798
Stddev	.0000	.0017	.0004	.0010	.0002	.0006	.045	.0006
%RSD	.0919	1.032	12.11	90.34	.0208	8.997	6.827	2.312
#1	.0111	.1675	-0.0034	.0017	.9445	.0061	6.639	2.804
#2	.0111	.1643	-0.0033	.0017	.9441	.0070	6.596	2.797
#3	.0111	.1648	-0.0041	.0000	.9444	.0072	6.549	2.791
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	F-.0129	.0551	.0167					
Stddev	.0007	.0003	.0001					
%RSD	5.386	.6209	.3429					
#1	-0.122	.0555	.0167					
#2	-0.136	.0549	.0168					
#3	-0.128	.0549	.0167					

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Sample Name: MP30270-D1 Acquired: 4/25/2016 12:30:12 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2356.6	12604.	108770.	8822.8
Stddev	7.5	19.	149.	41.7
%RSD	.31648	.15374	.13721	.47289
#1	2355.0	12616.	108660.	8834.0
#2	2364.7	12615.	108720.	8776.6
#3	2350.0	12582.	108940.	8857.8

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Sample Name: MP30270-SD1 Acquired: 4/25/2016 12:34:41 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.016	197.5	.0261	3.115	.0076	76.18	-0.0006	.0020	2.600
Stddev	.0005	.7	.0032	.018	.0001	.34	.0004	.0002	.0007
%RSD	28.71	.3351	12.41	.5791	1.920	.4485	75.74	11.56	.2646
#1	-0.012	197.3	.0281	3.105	.0075	76.24	-0.0009	.0020	2.606
#2	-0.015	196.9	.0224	3.103	.0075	75.81	-0.0001	.0023	2.602
#3	-0.021	198.2	.0279	3.135	.0077	76.48	-0.0006	.0018	2.593
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0175	9.794	2.299	3.269	.0312	.0018	.7980	.0246	1.690
Stddev	.0006	.012	.082	.086	.0002	.0002	.0351	.0001	.0028
%RSD	3.608	.1213	3.575	2.646	.7845	12.07	4.398	.5414	1.655
#1	.0171	9.782	2.206	3.328	.0314	.0016	.7707	.0244	1.715
#2	.0183	9.794	2.333	3.309	.0309	.0018	.8376	.0246	1.660
#3	.0172	9.805	2.360	3.170	.0312	.0020	.7857	.0247	1.695
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0090	-0.0017	2.238	.0139	14.45	.6121	-0.189	1.189	0.868
Stddev	.0015	.0034	.005	.0011	.06	.0011	.0056	.0006	.0003
%RSD	16.69	203.3	.2288	7.687	.4365	.1864	29.49	.4656	.2972
#1	-0.0073	-0.0055	2.244	.0143	14.42	.6133	-0.200	1.189	0.868
#2	-0.0101	-0.0006	2.235	.0126	14.40	.6119	-0.128	1.195	0.870
#3	-0.0096	.0010	2.235	.0146	14.52	.6111	-0.238	1.184	0.865
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2586.3	6697.4	58028.	4669.3					
Stddev	6.1	5.8	173.	3.1					
%RSD	.23511	.08728	.29881	.06652					
#1	2589.1	6695.8	57901.	4669.3					
#2	2590.5	6703.8	58226.	4672.3					
#3	2579.3	6692.4	57958.	4666.1					

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Sample Name: MP30270-PS1 Acquired: 4/25/2016 12:39:06 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.179	94.03	0.0531	1.591	0.0245	37.50	0.0200	0.0209	1.405
Stddev	.0001	.13	.0005	.002	.0001	.11	.0000	.0000	.0005
%RSD	.2919	.1423	.8693	.1166	.5423	.2994	.2054	.1392	.3771
#1	.0179	94.02	.0536	1.589	.0247	37.42	.0200	.0210	.1410
#2	.0179	93.90	.0530	1.591	.0244	37.44	.0200	.0209	.1403
#3	.0178	94.17	.0527	1.592	.0245	37.63	.0200	.0209	.1400
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0495	5.800	4.945	3.462	0.0353	0.0410	4.271	0.0510	2.201
Stddev	.0002	.022	.010	.003	.0002	.0002	.017	.0001	.0011
%RSD	.3269	.3802	.2003	.0857	.4798	.4024	.3906	.1322	.5069
#1	.0493	5.819	4.939	3.459	.0355	.0409	4.286	.0509	.2195
#2	.0495	5.776	4.957	3.461	.0352	.0412	4.253	.0510	.2194
#3	.0496	5.805	4.941	3.465	.0351	.0411	4.272	.0510	.2214
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0385	0.0410	1.053	0.260	F 6.549	0.0847	0.0753	1.1252	0.2021
Stddev	.0011	.0013	.002	.0001	.036	.0009	.0020	.0001	.0005
%RSD	2.835	3.198	.1482	.3714	.5453	.2675	2.327	.1438	.3865
#1	.0397	.0423	1.051	.0261	6.562	.3245	.0861	.0754	.1256
#2	.0383	.0409	1.053	.0260	6.577	.3234	.0825	.0754	.1247
#3	.0375	.0397	1.054	.0260	6.509	.3228	.0856	.0752	.1255
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2314.6	12270.	105810.	8715.7					
Stddev	5.9	20.	497.	13.9					
%RSD	.25302	.16486	.46985	.15905					
#1	2309.4	12249.	105290.	8701.8					
#2	2321.0	12272.	105870.	8729.5					
#3	2313.4	12289.	106280.	8715.7					

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Sample Name: MP30270-S1 Acquired: 4/25/2016 12:43:31 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.164	110.0	0.7258	2.236	0.0232	51.75	0.0181	1.781	1.953
Stddev	.0001	.2	.0012	.003	.0001	.08	.0000	.0003	.0006
%RSD	.8365	.2011	.1649	.1396	.4192	.1550	.1903	.1532	.3139
#1	.0163	110.1	.7263	2.237	.0232	51.84	.0181	1.781	1.947
#2	.0163	110.2	.7244	2.238	.0233	51.72	.0181	1.779	1.956
#3	.0165	109.8	.7267	2.232	.0231	51.68	.0182	1.784	1.958
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.1031	14.74	10.10	10.58	0.2032	1.639	9.489	1.930	0.6762
Stddev	.0003	.03	.04	.02	.0004	.0003	.031	.0002	.0018
%RSD	.2759	.1965	.3776	.2243	.1937	.1557	.3271	.1096	.2729
#1	.1034	14.73	10.15	10.61	.2029	1.640	9.520	1.932	.6749
#2	.1029	14.77	10.08	10.56	.2037	1.636	9.489	1.928	.6752
#3	.1029	14.71	10.09	10.58	.2031	1.641	9.458	1.931	.6783
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0544	0.7204	1.066	1.746	F 6.702	0.3623	1.916	2.295	0.2021
Stddev	.0003	.0040	.000	.0003	.027	.0003	.007	.0003	.0005
%RSD	4.696	.5513	.0369	.1798	.4027	.0696	.3684	.1503	.2363
#1	.0542	.7221	1.066	.1749	6.710	.3626	1.918	2.293	.2024
#2	.0547	.7159	1.065	.1743	6.672	.3622	1.909	2.293	.2015
#3	.0544	.7233	1.066	.1747	6.725	.3622	1.922	2.299	.2023
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2241.6	12852.	110090.	9137.3					
Stddev	4.7	14.	510.	12.2					
%RSD	.20967	.11087	.46318	.13357					
#1	2242.7	12840.	110570.	9137.2					
#2	2245.7	12868.	109560.	9125.1					
#3	2236.5	12849.	110150.	9149.5					

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7.2
7

Sample Name: MP30270-S2 Acquired: 4/25/2016 12:47:52 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.176	110.0	0.7744	2.286	0.0246	44.34	0.195	1.911	2.032
Stddev	.0002	.2	.0025	.003	.0001	.09	.0000	.0001	.0006
%RSD	1.074	.1612	.3172	.1394	.2452	.1998	.1129	.0785	.3102
#1	.0178	109.9	.7770	2.284	.0246	44.39	.195	1.912	2.038
#2	.0177	110.2	.7740	2.290	.0247	44.39	.195	1.911	2.025
#3	.0174	109.9	.7721	2.284	.0245	44.24	.195	1.909	2.032
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.1082	15.27	10.71	11.26	0.2146	1.762	10.08	2.066	0.6763
Stddev	.0002	.03	.01	.02	.0007	.0004	.04	.0002	.0018
%RSD	.2027	.2066	.0969	.1477	.3031	.2318	.3865	.0741	.2694
#1	.1079	15.27	10.71	11.28	.2151	1.766	10.04	2.067	.6747
#2	.1083	15.30	10.72	11.26	.2139	1.759	10.12	2.066	.6783
#3	.1083	15.24	10.70	11.25	.2148	1.760	10.09	2.064	.6758
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0601	0.7688	1.085	1.879	F 6.654	0.3773	1.946	2.418	2.110
Stddev	.0006	.0026	.002	.0006	.091	.0009	.003	.0010	.0005
%RSD	.9665	.3360	.1810	.3296	1.367	.2505	.1666	.3983	.2254
#1	.0598	.7704	1.087	1.886	6.758	.3781	1.948	2.428	.2112
#2	.0597	.7658	1.085	1.876	6.614	.3763	1.948	2.409	.2105
#3	.0608	.7701	1.084	1.874	6.589	.3775	1.942	2.417	.2114
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2268.4	12243.	104790.	8615.5					
Stddev	2.5	13.	34.	36.4					
%RSD	.11155	.10239	.03239	.42300					
#1	2269.6	12233.	104820.	8584.5					
#2	2265.4	12240.	104800.	8606.3					
#3	2270.0	12257.	104760.	8655.6					

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Sample Name: FA33349-5 Acquired: 4/25/2016 12:52:13 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	105.9	0.0099	0.6785	0.0024	18.75	-0.0001	0.0029	1.646
Stddev	.0002	2.8	.0002	.0151	.0001	.49	.0000	.0001	.0003
%RSD	53.78	2.651	2.347	2.222	4.327	2.593	28.36	4.419	.1912
#1	-0.005	104.0	.0101	.6681	.0023	18.41	-0.0001	.0030	.1645
#2	-0.002	109.1	.0099	.6958	.0025	19.30	-0.0002	.0029	.1649
#3	-0.007	104.6	.0097	.6716	.0024	18.53	-0.0001	.0028	.1643
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0048	6.154	0.285	2.172	0.166	0.041	4.713	0.301	0.0709
Stddev	.0								

Sample Name: CCV Acquired: 4/25/2016 12:56:41 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2525	39.84	2.070	1.974	2.025	40.08	2.088	2.067	2.052
Stddev	.0008	.04	.008	.002	.002	.09	.006	.005	.009
%RSD	.3039	.1129	.3760	.0864	.1070	.2187	.3079	.2285	.4637
#1	.2516	39.86	2.066	1.974	2.027	40.08	2.089	2.067	2.052
#2	.2531	39.86	2.066	1.976	2.026	39.99	2.081	2.062	2.043
#3	.2527	39.78	2.079	1.972	2.023	40.16	2.093	2.072	2.062

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.011	39.65	39.37	39.77	2.086	2.045	40.24	2.102	2.049
Stddev	.002	.05	.02	.15	.011	.005	.10	.005	.002
%RSD	.1200	.1176	.0442	.3797	.5213	.2562	.2398	.2558	.0835
#1	2.009	39.62	39.35	39.77	2.091	2.045	40.31	2.101	2.047
#2	2.014	39.70	39.38	39.63	2.074	2.039	40.28	2.097	2.049
#3	2.011	39.63	39.38	39.93	2.094	2.050	40.13	2.107	2.050

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.078	2.078	1.489	2.071	1.944	2.077	2.082	2.068	2.047
Stddev	.003	.005	.005	.006	.002	.004	.006	.007	.009
%RSD	.1524	.2537	.3466	.2702	.0907	.1998	.3049	.3172	.4160
#1	2.074	2.081	1.486	2.070	1.942	2.079	2.089	2.066	2.052
#2	2.080	2.072	1.487	2.066	1.944	2.072	2.077	2.063	2.038
#3	2.079	2.080	1.495	2.077	1.945	2.080	2.081	2.076	2.053

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/25/2016 12:56:41 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2337.3	4740.1	40885.	3402.6
Stddev	3.2	11.9	165.	19.9
%RSD	.13784	.25030	.40317	.58593
#1	2337.5	4744.0	40973.	3414.6
#2	2340.5	4749.6	40988.	3413.6
#3	2334.0	4726.8	40695.	3379.6

Sample Name: CCB Acquired: 4/25/2016 13:00:51 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	.0056	.0000	.0001	-0.0001	.0013	-0.0001	-0.0003	-0.0001
Stddev	.0001	.0039	.000	.0002	.0000	.0005	.0000	.0000	.0002
%RSD	57.93	70.16	155.3	199.2	43.40	39.25	53.22	5.612	162.2
#1	.0000	.0086	-.0001	.0003	-.0001	.0019	-.0001	-.0003	-.0002
#2	-.0002	.0012	-.0002	-.0001	-.0001	.0009	.0000	-.0003	.0001
#3	-.0002	.0071	-.0002	.0002	-.0001	.0012	-.0001	-.0002	-.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	.0034	-0.0217	-0.0075	-0.0001	.0005	.0144	-0.0001	.0004
Stddev	.0002	.0008	.0091	.0113	.0000	.0003	.0069	.0001	.0003
%RSD	239.5	21.98	41.66	150.8	23.49	69.71	47.65	48.52	89.95
#1	.0001	.0042	-.0160	.0043	-.0001	.0008	.0223	-.0001	.0001
#2	.0000	.0034	-.0171	-.0184	-.0001	.0004	.0094	-.0002	.0007
#3	-.0003	.0027	-.0322	-.0084	-.0002	.0002	.0116	-.0001	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	-0.0002	.0020	-0.0004	.0001	.0000	-0.0005	-0.0002	-0.0002
Stddev	.0007	.0013	.0000	.0002	.0000	.0001	.0016	.0002	.0000
%RSD	391.4	600.3	1.094	56.81	24.91	199.3	306.5	90.32	18.97
#1	.0002	.0013	.0020	-.0005	.0002	.0001	-.0022	.0000	-.0002
#2	-.0009	-.0010	.0020	-.0001	.0002	.0000	.0008	-.0001	-.0003
#3	.0003	-.0009	.0020	-.0005	.0001	.0001	-.0001	-.0004	-.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/25/2016 13:00:51 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2747.5	4978.1	43260.	3490.2
Stddev	7.7	5.3	172.	24.4
%RSD	.28193	.10735	.39872	.69932
#1	2743.6	4973.1	43357.	3515.3
#2	2756.4	4983.7	43362.	3488.7
#3	2742.5	4977.5	43061.	3466.5

Sample Name: FA33363-1 Acquired: 4/25/2016 13:05:25 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.009	136.8	0.270	2.051	0.020	7.243	0.001	0.082	1.644
Stddev	.0001	.5	.0008	.0009	.0000	.041	.0001	.0000	.0005
%RSD	14.64	.3625	2.827	.4553	2.168	.5677	43.72	.3615	.2930
#1	-0.010	137.4	.0276	.2062	.0020	7.278	.001	.0082	.1639
#2	-0.007	136.6	.0262	.2044	.0021	7.253	.001	.0083	.1649
#3	-0.009	136.5	.0272	.2048	.0020	7.198	.002	.0082	.1644
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	0.009	143.2	1.409	1.604	4.394	0.124	9.388	0.060	1.510
Stddev	.0003	.2	.022	.016	.0014	.0001	.0071	.0001	.0001
%RSD	.3579	.1683	1.535	1.019	.3145	1.005	.7552	.3815	.0922
#1	.0812	143.4	1.411	1.623	.4387	.0123	9.425	.0360	.1510
#2	.0807	143.2	1.430	1.592	.4410	.0126	9.432	.0359	.1512
#3	.0808	142.9	1.387	1.598	.4386	.0124	9.306	.0361	.1509
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.029	-0.028	1.600	0.192	0.012	6.363	-0.073	4.252	0.632
Stddev	.0011	.0020	.003	.0006	.0002	.0011	.0006	.0010	.0001
%RSD	38.89	71.24	.1972	2.868	.8418	.1771	8.314	.2313	.2090
#1	-0.018	-0.005	1.598	.0186	.0214	6.363	-.0073	4.244	.0630
#2	-0.041	-0.040	1.599	.0195	.0210	6.374	-.0067	4.263	.0633
#3	-0.029	-0.039	1.604	.0196	.0211	6.352	-.0079	4.249	.0632
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2510.8	6901.2	58383.	4739.1					
Stddev	4.2	6.1	172.	15.1					
%RSD	.16777	.08861	.29505	.31832					
#1	2508.6	6896.3	58468.	4727.9					
#2	2508.1	6899.1	58184.	4733.3					
#3	2515.6	6908.0	58496.	4756.3					

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Sample Name: FA33363-2 Acquired: 4/25/2016 13:09:46 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.007	246.6	0.257	2.777	0.016	5.111	-0.006	0.174	.3731
Stddev	.0001	.9	.0012	.0011	.0000	.026	.0001	.0001	.0006
%RSD	15.85	.3842	4.672	.3785	2.750	.5096	22.47	.4995	.1584
#1	-0.006	245.9	.0262	.2778	.0016	5.102	-.0005	.0175	.3730
#2	-0.009	247.7	.0265	.2786	.0015	5.141	-.0007	.0173	.3726
#3	-0.007	246.2	.0243	.2766	.0015	5.091	-.0005	.0175	.3738
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.1283	156.3	2.131	2.509	4.501	0.076	2.436	1.187	1.081
Stddev	.0009	.7	.011	.029	.0006	.0001	.0128	.0005	.0006
%RSD	.7317	.4635	.5343	1.176	.1403	1.898	5.263	.3509	.5504
#1	.1273	155.8	2.142	2.489	.4499	.0076	2.577	.1282	1.075
#2	.1291	157.2	2.133	2.543	.4495	.0077	2.327	.1290	1.082
#3	.1284	156.1	2.120	2.495	.4507	.0074	2.403	.1290	1.086
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.020	-0.037	2.085	0.231	0.233	9.469	-0.036	4.550	0.939
Stddev	.0011	.0021	.003	.0004	.0002	.0021	.0011	.0006	.0004
%RSD	52.98	57.46	.1448	1.915	.8098	2.217	31.49	1.326	.4713
#1	-0.009	-0.061	2.084	.0227	.0231	9.446	-.0032	4.557	.0935
#2	-0.030	-0.029	2.083	.0236	.0233	9.473	-.0027	4.548	.0944
#3	-0.023	-0.021	2.088	.0230	.0235	9.488	-.0048	4.546	.0938
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2493.4	5419.5	45073.	3664.2					
Stddev	7.5	1.1	121.	26.5					
%RSD	.29953	.01937	.26887	.72314					
#1	2501.9	5420.5	45202.	3676.9					
#2	2489.9	5418.4	45056.	3633.7					
#3	2488.2	5419.5	44961.	3681.8					

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7.2
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Sample Name: FA33363-3 Acquired: 4/25/2016 13:14:04 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	279.4	0.338	4.240	0.020	9.421	0.023	0.156	2.448
Stddev	.0001	2.2	.0007	.0035	.0001	.093	.0002	.0002	.0014
%RSD	81.00	.7991	2.075	.8206	3.155	.9899	10.69	1.205	.5912
#1	-0.002	279.5	.0341	4.244	.0020	9.411	.0024	.0154	2.443
#2	.0000	281.5	.0342	4.274	.0020	9.518	.0020	.0157	2.464
#3	-0.003	277.1	.0330	4.204	.0021	9.333	.0025	.0157	2.437
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	0.033	203.6	2.727	2.880	8.831	0.080	6.737	0.072	1.764
Stddev	.0004	2.0	.063	.048	.0022	.0001	.0087	.0003	.0009
%RSD	.4317	.9801	2.321	1.663	.2484	1.446	1.293	.4251	.5013
#1	.0929	203.4	2.699	2.861	.8852	.0081	6.795	.0769	1.766
#2	.0936	205.7	2.800	2.934	.8834	.0080	6.780	.0775	1.754
#3	.0936	201.8	2.683	2.844	.8808	.0079	6.637	.0774	1.771
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.029	-0.056	2.056	0.248	0.020	9.335	-0.039	5.762	1.232
Stddev	.0009	.0027	.004	.0004	.0004	.0007	.0011	.0015	.0003
%RSD	30.66	49.10	.1808	1.655	.9115	.0732	28.35	.2541	.2697
#1	-0.036	-0.034	2.053	.0244	.0421	9.342	-.0047	5.748	1.228
#2	-0.033	-0.087	2.060	.0249	.0423	9.329	-.0027	5.777	1.234
#3	-0.019	-0.048	2.055	.0252	.0415	9.333	-.0044	5.760	1.233
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2474.2	5550.4	45744.	3730.8					
Stddev	1.3	11.5	42.	32.4					
%RSD	.05180	.20632	.09186	.86726					
#1	2475.5	5549.6	45722.	3742.2					
#2	2472.9	5539.3	45717.	3694.3					
#3	2474.2	5562.2	45792.	3756.0					

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Sample Name: FA33363-4 Acquired: 4/25/2016 13:18:22 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.009	148.8	0.205	4.087	0.028	9.412	-0.001	0.107	2.006
Stddev	.0003	.2	.0009	.0002	.0000	.016	.0000	.0001	.0010
%RSD	35.59	.1292	4.192	.0429	1.031	.1675	39.31	.9276	.4737
#1	-0.008	148.6	.0215	4.087	.0027	9.395	-.0001	.0106	.2017
#2	-0.007	148.9	.0199	4.086	.0028	9.413	-.0001	.0108	.2000
#3	-0.013	148.9	.0201	4.089	.0028	9.427	.0000	.0108	.2001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	0.058	77.58	1.838	2.513	3.514	0.031	2.970	0.445	1.586
Stddev	.0002	.15	.001	.015	.0015	.0002	.0019	.0001	.0009
%RSD	.4408	.1910	.0382	.5966	.4303	5.277</			

Sample Name: FA33363-5 Acquired: 4/25/2016 13:22:42 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	244.4	0.301	4.911	0.030	7.215	0.017	0.242	2.304
Stddev	0.002	.6	0.007	0.007	0.001	.021	0.001	0.001	0.004
%RSD	44.31	.2651	2.303	.1419	2.219	.2846	5.234	.3950	.1942
#1	-0.004	245.2	0.303	4.919	0.029	7.236	0.017	0.241	2.304
#2	-0.008	244.1	0.307	4.909	0.030	7.212	0.016	0.242	2.308
#3	-0.004	244.0	0.293	4.906	0.030	7.196	0.018	0.243	2.299
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.907	178.2	3.047	3.979	6.383	0.078	7.329	0.026	1.919
Stddev	0.002	.5	.004	.009	0.019	0.002	0.037	0.004	0.015
%RSD	.2330	.2741	.1453	.2327	.2978	2.004	5.008	4.053	.7831
#1	.0908	178.7	3.044	3.989	6.399	0.079	7.342	0.027	1.901
#2	.0905	177.7	3.045	3.977	6.389	0.077	7.287	0.022	1.925
#3	.0909	178.1	3.052	3.971	6.362	0.079	7.357	0.0930	1.929
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.011	-0.038	1.963	0.233	0.451	8.481	-0.046	4.895	1.193
Stddev	0.002	0.004	0.004	0.004	0.001	0.018	0.023	0.016	0.001
%RSD	17.49	11.06	.2190	1.883	1.487	2.137	50.46	.3318	0.819
#1	-0.012	-0.042	1.962	0.228	0.452	8.502	-0.073	4.913	1.192
#2	-0.009	-0.034	1.959	0.235	0.452	8.470	-0.036	4.890	1.194
#3	-0.013	-0.036	1.968	0.236	0.451	8.471	-0.029	4.882	1.194
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2477.8	6134.9	5108.1	4175.6					
Stddev	2.9	12.9	114.	6.9					
%RSD	.11773	.21067	.22405	.16639					
#1	2480.8	6142.6	5119.3	4170.6					
#2	2475.0	6142.1	5096.4	4183.6					
#3	2477.7	6120.0	5108.5	4172.8					

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Sample Name: FA33363-6 Acquired: 4/25/2016 13:27:00 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	159.5	0.247	3.268	0.018	3.083	0.000	0.108	2.263
Stddev	0.001	.1	0.004	0.016	0.000	.011	0.000	0.000	0.004
%RSD	21.03	.0752	1.734	.4852	1.277	.3423	669.0	.3840	.1735
#1	-0.004	159.6	0.246	3.275	0.017	3.090	-0.002	0.107	2.265
#2	-0.005	159.6	0.244	3.250	0.018	3.088	0.000	0.108	2.265
#3	-0.006	159.4	0.252	3.279	0.018	3.071	0.002	0.108	2.258
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.780	130.1	1.712	2.136	5.749	0.056	2.684	0.060	1.442
Stddev	0.004	.3	.014	0.036	0.010	0.001	0.111	0.003	0.004
%RSD	.4524	.2188	.8094	1.666	.1678	2.080	4.138	.4889	.2744
#1	.0784	130.2	1.707	2.157	5.758	0.055	2.589	0.059	1.444
#2	.0779	130.3	1.727	2.156	5.739	0.055	2.806	0.058	1.437
#3	.0777	129.8	1.701	2.095	5.749	0.057	2.657	0.064	1.444
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.025	-0.029	1.550	0.204	0.226	6.875	-0.039	3.672	0.864
Stddev	0.004	0.018	0.005	0.005	0.001	0.012	0.010	0.006	0.007
%RSD	16.64	63.86	.3352	2.602	.5691	1.810	25.36	1.586	8.435
#1	-0.021	-0.050	1.545	0.209	0.226	6.881	-0.048	3.676	0.867
#2	-0.024	-0.019	1.550	0.204	0.224	6.860	-0.039	3.666	0.856
#3	-0.029	-0.017	1.556	0.198	0.227	6.883	-0.029	3.676	0.870
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2526.3	5899.9	4947.4	3998.8					
Stddev	1.0	16.0	113.	38.4					
%RSD	.04116	.27147	.22754	.95994					
#1	2527.0	5911.8	4944.5	3977.0					
#2	2526.8	5906.1	4959.8	3976.2					
#3	2525.1	5881.7	4937.9	4043.1					

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7.2
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Sample Name: FA33363-7 Acquired: 4/25/2016 13:31:20 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	146.8	0.252	4.665	0.022	7.837	0.007	0.130	1.693
Stddev	0.001	.4	0.021	0.008	0.000	0.28	0.001	0.001	0.002
%RSD	26.68	.2931	8.307	.1796	.5352	.3606	10.88	.7955	1.186
#1	-0.005	147.3	0.246	4.666	0.022	7.866	0.007	0.131	1.691
#2	-0.007	146.6	0.234	4.656	0.022	7.809	0.008	0.129	1.695
#3	-0.004	146.5	0.275	4.672	0.022	7.836	0.006	0.129	1.694
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.702	109.6	2.145	2.381	1.003	0.049	4.483	0.526	1.727
Stddev	0.003	.3	.020	0.030	0.002	0.001	0.034	0.002	0.009
%RSD	.3878	.2912	.9426	1.258	.2086	2.210	.7606	.2971	.5305
#1	.0700	109.9	2.166	2.415	1.001	0.050	4.522	0.526	1.728
#2	.0705	109.3	2.126	2.363	1.004	0.050	4.460	0.528	1.717
#3	.0701	109.6	2.143	2.364	1.004	0.048	4.466	0.525	1.735
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.015	-0.035	1.616	0.222	0.367	6.728	-0.055	3.683	1.055
Stddev	0.004	0.012	0.004	0.003	0.002	0.006	0.008	0.001	0.003
%RSD	24.08	34.55	.2623	1.561	.6499	.0899	14.66	0.361	2.889
#1	-0.011	-0.048	1.612	0.224	0.370	6.722	-0.053	3.682	1.057
#2	-0.018	-0.033	1.620	0.218	0.366	6.734	-0.048	3.684	1.052
#3	-0.016	-0.024	1.615	0.224	0.366	6.729	-0.064	3.682	1.057
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2518.0	6301.5	5318.1	4278.7					
Stddev	4.6	11.9	56.	10.0					
%RSD	.18273	.18885	.10623	.23369					
#1	2518.5	6304.0	5315.3	4280.7					
#2	2522.3	6288.6	5314.4	4287.5					
#3	2513.2	6312.0	5324.6	4267.8					

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Sample Name: FA33363-8 Acquired: 4/25/2016 13:35:40 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	170.6	0.261	4.963	0.021	7.293	0.003	0.138	1.807
Stddev	0.000	1.2	0.004	0.036	0.001	0.056	0.001	0.001	0.013
%RSD	7.822	.7110	1.521	.7223	3.614	.7709	39.06	.3734	.7369
#1	-0.006	170.8	0.265	4.971	0.021	7.279	0.003	0.137	1.797
#2	-0.006	171.7	0.257	4.995	0.022	7.355	0.002	0.138	1.822
#3	-0.005	169.3	0.261	4.924	0.020	7.245	0.003	0.138	1.801
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	

Sample Name: FA33363-9 Acquired: 4/25/2016 13:39:59 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.009	172.7	0.265	0.657	0.020	9.791	-0.001	0.156	0.159
Stddev	0.001	.6	.0008	.0023	.0000	.038	.0001	.0000	.0001
%RSD	10.23	.3625	3.135	.3550	1.176	.3923	139.5	.2598	.0922
#1	-0.008	172.6	0.264	.6597	.0020	9.760	-0.001	.0155	.1520
#2	-0.010	172.1	0.273	.6550	.0020	9.779	.0000	.0155	.1520
#3	-0.009	173.3	0.257	.6572	.0020	9.834	-0.001	.0156	.1518
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.724	74.41	2.747	2.873	0.889	0.028	4.535	0.064	0.197
Stddev	.0002	.29	.021	.032	.0025	.0002	.0044	.0001	.0007
%RSD	.2130	.3959	.7798	1.107	.2819	7.675	.9629	.2075	.3741
#1	0.725	74.23	2.733	2.841	.8791	.0026	4.547	.0644	.1977
#2	0.724	74.24	2.772	2.904	.8838	.0028	4.571	.0646	.1984
#3	0.722	74.75	2.737	2.874	.8800	.0031	4.486	.0643	.1970
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.031	-0.016	1.743	0.175	0.049	6.160	-0.095	0.2974	0.1084
Stddev	.0004	.0016	.001	.0002	.0002	.0013	.0009	.0003	.0004
%RSD	11.64	101.1	.0344	.9133	.4058	2.088	9.449	.1105	.3627
#1	-0.033	.0000	1.742	.0176	.0449	6.148	-0.092	.2973	.1081
#2	-0.032	-0.016	1.743	.0173	.0447	6.174	-0.088	.2978	.1083
#3	-0.026	-0.031	1.744	.0175	.0451	6.159	-0.105	.2972	.1088
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2479.9	7069.1	59839.	4821.8					
Stddev	4.2	8.4	87.	38.3					
%RSD	.16996	.11880	.14550	.79461					
#1	2477.1	7060.4	59927.	4843.3					
#2	2484.8	7077.1	59753.	4844.5					
#3	2477.9	7070.0	59838.	4777.5					

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Sample Name: FA33363-10 Acquired: 4/25/2016 13:44:19 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	180.5	0.230	0.524	0.031	26.72	-0.001	0.137	0.242
Stddev	0.005	.6	.0005	.0026	.0000	.02	.0001	.0000	.0003
%RSD	117.2	.3314	2.387	.4997	1.055	.0815	142.1	.2833	.1656
#1	-0.001	180.0	0.227	.5207	.0032	26.72	-0.001	.0137	.2043
#2	-0.009	181.1	0.227	.5254	.0031	26.70	-0.002	.0137	.2045
#3	-0.002	180.3	0.237	.5210	.0031	26.74	.0000	.0137	.2038
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0854	133.6	3.566	6.342	1.344	0.061	6.249	0.0577	0.1533
Stddev	.0006	.2	.034	.022	.003	.0002	.0066	.0001	.0010
%RSD	.6815	.1643	.9564	.3418	.2376	3.492	1.055	.2079	.6819
#1	0.0852	133.4	3.595	6.364	1.342	0.063	6.188	0.0579	.1523
#2	0.0849	133.8	3.528	6.321	1.347	0.061	6.319	0.0576	.1531
#3	0.0860	133.5	3.575	6.340	1.341	0.058	6.239	0.0577	.1544
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.017	-0.047	2.006	0.215	0.0984	1.014	-0.035	0.3974	0.1096
Stddev	.0012	.0016	.003	.0001	.0001	.001	.0016	.0010	.0002
%RSD	71.34	34.39	.1473	.5555	.1110	.1017	45.23	.2568	.1934
#1	-0.012	-0.043	2.008	.0215	.0984	1.013	-0.019	.3984	.1098
#2	-0.008	-0.064	2.003	.0214	.0986	1.015	-0.051	.3975	.1095
#3	-0.030	-0.033	2.008	.0216	.0983	1.015	-0.035	.3963	.1094
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2451.1	5874.1	49519.	3988.7					
Stddev	2.1	5.7	65.	19.1					
%RSD	.08384	.09698	.13088	.47847					
#1	2453.1	5869.8	49525.	4010.1					
#2	2449.0	5872.0	49452.	3982.8					
#3	2451.1	5880.6	49581.	3973.3					

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7.2
7

Sample Name: CCV Acquired: 4/25/2016 13:48:38 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2569	41.06	2.086	2.029	2.067	41.16	2.107	2.091	2.079
Stddev	.0010	.13	.004	.008	.009	.02	.003	.001	.008
%RSD	.4040	.3162	.1934	.3745	.4315	.0563	.1607	.0556	.3828
#1	.2561	41.01	2.084	2.022	2.061	41.15	2.108	2.091	2.072
#2	.2580	41.21	2.091	2.037	2.077	41.19	2.110	2.092	2.077
#3	.2565	40.96	2.084	2.028	2.062	41.15	2.103	2.090	2.088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.049	40.61	40.57	41.07	2.113	2.068	41.18	2.118	2.069
Stddev	.004	.09	.12	.16	.013	.001	.13	.001	.006
%RSD	.1809	.2168	.2889	.3782	.6300	.0678	.3095	.0471	.3136
#1	2.047	40.58	40.62	41.25	2.100	2.068	41.14	2.119	2.072
#2	2.054	40.71	40.65	40.96	2.110	2.070	41.32	2.118	2.073
#3	2.047	40.54	40.43	41.01	2.127	2.068	41.07	2.117	2.062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.092	2.089	1.500	2.098	2.014	2.102	2.100	2.078	2.082
Stddev	.002	.001	.002	.005	.007	.011	.003	.011	.008
%RSD	.1095	.0690	.1028	.2554	.3480	.5326	.1530	.5393	.3913
#1	2.092	2.091	1.502	2.100	2.008	2.091	2.102	2.068	2.082
#2	2.089	2.088	1.498	2.101	2.021	2.102	2.101	2.075	2.090
#3	2.094	2.089	1.500	2.092	2.011	2.113	2.096	2.090	2.074
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 4/25/2016 13:48:38 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2328.9	4729.4	40473.	3314.7
Stddev	3.2	2.4	126.	4.1
%RSD	.13918	.05065	.31117	.12415
#1	2326.5	4729.0	40580.	3313.5
#2	2327.8	4727.2	40504.	3319.2
#3	2332.6	4732.0	40334.	3311.2

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Sample Name: CCB Acquired: 4/25/2016 13:52:49 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0009	-0.0003	.0000	-0.0001	.0036	-0.0001	-0.0001	-0.0001
Stddev	.000	.0060	.0005	.0001	.0000	.0033	.0000	.0001	.0001
%RSD	412.8	637.6	179.7	250.7	7.442	90.51	23.29	40.13	93.70

#1	-0.0002	.0074	-0.0009	.0000	-0.0001	.0071	-0.0001	-0.0001	-0.0003
#2	-0.0002	-0.0002	.0002	.0000	-0.0001	.0032	-0.0001	-0.0001	-0.0001
#3	.0002	-0.0044	-0.0002	.0001	-0.0001	.0006	-0.0001	-0.0002	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0081	-0.0245	-0.0064	-0.0001	.0005	.0056	-0.0001	.0002
Stddev	.000	.0033	.0202	.0141	.0000	.0003	.0088	.0001	.0002
%RSD	1708.	40.31	82.41	221.3	10.43	57.63	157.1	39.59	111.4

#1	.0001	.0118	-0.0267	.0099	-0.0001	.0008	-0.0014	-0.0001	.0001
#2	.0000	.0061	-0.0033	-0.0149	-0.0001	.0004	.0027	-0.0001	.0005
#3	-0.0001	.0063	-0.0435	-0.0141	-0.0001	.0003	.0155	-0.0002	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	-0.0010	.0021	-0.0005	-0.0002	-0.0002	-0.0006	-0.0001	-0.0003
Stddev	.0006	.0005	.0002	.0004	.0000	.0000	.0010	.0000	.0001
%RSD	233.7	47.33	8.74	81.84	20.95	31.35	170.9	14.67	27.66

#1	-0.0005	-0.0006	.0020	-0.0007	-0.0002	-0.0002	.0006	-0.0001	-0.0002
#2	.0004	-0.0010	.0020	-0.0009	-0.0001	-0.0001	-0.0010	-0.0001	-0.0004
#3	-0.0006	-0.0016	.0023	.0000	-0.0002	-0.0001	-0.0014	-0.0001	-0.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/25/2016 13:52:49 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2751.9	5006.0	43217.	3471.8
Stddev	5.2	12.4	50.	13.5
%RSD	.18871	.24843	.11501	.38888

#1	2756.8	5012.1	43246.	3462.1
#2	2752.4	5014.2	43247.	3466.1
#3	2746.5	4991.7	43160.	3487.2

Sample Name: FA33354-1 Acquired: 4/25/2016 13:57:22 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref (Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0010	10.49	.0491	.3442	.0002	F 830.2	.0020	.0014	.0415
Stddev	.0003	.07	.0004	.0036	.0000	7.4	.0001	.0000	.0006
%RSD	27.48	6.777	9.005	1.036	27.54	8.864	2.590	3.023	1.480

#1	.0007	10.48	.0487	.3453	.0002	823.6	.0020	.0014	.0409
#2	.0012	10.57	.0495	.3471	.0001	838.1	.0019	.0014	.0415
#3	.0010	10.43	.0491	.3402	.0002	828.8	.0020	.0013	.0421

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref (Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	F 5.114	78.83	.5564	2.467	2.763	.0025	4.687	.0133	.0691
Stddev	.004	.43	.0484	.029	.014	.0001	.040	.0002	.0005
%RSD	.0720	.5462	8.699	1.193	.4911	2.387	8.546	1.514	.7325

#1	5.118	78.79	.5085	2.479	2.754	.0025	4.695	.0134	.0688
#2	5.114	79.28	.6053	2.488	2.756	.0026	4.722	.0135	.0697
#3	5.111	78.42	.5553	2.433	2.779	.0025	4.643	.0131	.0689

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref (Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0006	.0108	.9395	.0505	1.895	.0476	.0012	.0242	2.318
Stddev	.0003	.0019	.0018	.0002	.016	.0005	.0011	.0004	.005
%RSD	54.81	18.04	.1921	.4833	.8239	9.639	93.96	1.651	.2377

#1	.0009	.0116	.9415	.0503	1.893	.0472	.0017	.0239	2.312
#2	.0002	.0086	.9380	.0507	1.911	.0481	-0.0001	.0242	2.320
#3	.0006	.0122	.9391	.0506	1.880	.0476	.0020	.0247	2.323

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2147.6	4518.4	38978.	3346.7
Stddev	8.4	15.7	119.	18.0
%RSD	.39042	.34801	.30564	.53742

#1	2138.4	4500.3	39087.	3366.9
#2	2149.6	4528.3	38997.	3332.5
#3	2154.7	4526.7	38851.	3340.7

Sample Name: MP30271-MB1 Acquired: 4/25/2016 14:02:01 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	.0239	-0.0050	-0.0006	F -.0022	F .8862	-0.0016	-0.0016
Stddev	.0012	.0369	.0018	.0009	.0001	2.198	.0001	.0004
%RSD	338.0	154.1	37.03	141.3	4.918	24.80	4.681	26.14

#1	-0.0012	-0.127	-0.0043	.0000	-0.0021	1.112	-0.0016	-0.0021
#2	.0011	.0235	-0.0036	-0.0002	-0.0023	8732	-0.0016	-0.0012
#3	-0.0010	.0610	-0.0071	-0.0016	-0.0021	6733	-0.0015	-0.0016

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Fail Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0016	.0003	.1189	-0.0176	-0.1056	.0005	-0.0036	.0613
Stddev	.0005	.0006	.0454	.0752	.0139	.0004	.0005	.0130
%RSD	33.28	233.9	38.18	426.0	13.19	91.28	13.11	21.18

#1	-0.0023	.0010	.1679	-0.1013	-0.1063	.0008	-0.0040	.0701
#2	-0.0014	-0.0003	.1103	.0042	-0.1191	.0005	-0.0031	.0464
#3	-0.0012	.0002	.0784	.0442	-0.0913	.0000	-0.0036	.0675

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0015	F .0031	-0.0017	-0.0030	.0256	F .0482	.0002	-0.0026
Stddev	.0002	.0014	.0018	.0032	.0018	.0019	.0004	.0002
%RSD	12.68	46.57	103.4	108.7	6.937	4.030	200.8	8.017

#1	-0.0013	.0032	-0.0036	-0.0063	.0244	.0468	.0003	-0.0029
#2	-0.0014	.0045	-0.0014	.0001	.0247	.0475	.0005	-0.0024
#3	-0.0017	.0016	-0.0001	-0.0027	.0276	.0504	-0.0003	-0.0026

Check ? Chk Pass Chk Fail Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30271-MB1 Acquired: 4/25/2016 14:02:01 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Tl1908	V_2924	Zn2062	
Units	ppm	ppm	ppm	
Avg	F -.0095	-0.015	F .0468	
Stddev	.0010	.0016	.0006	
%RSD	10.49	107.4	1.330	
#1	-0.105	-0.009	.0474	
#2	-0.094	-0.033	.0468	
#3	-0.085	-0.002	.0462	
Check ?	Chk Fail	Chk Pass	Chk Fail	
High Limit	.0050		.0100	
Low Limit	-0.0050		-0.0100	
Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2762.9	5053.0	43701.	3432.5
Stddev	4.0	4.9	234.	19.4
%RSD	.14634	.09666	.53623	.56521
#1	2765.2	5048.2	43901.	3415.3
#2	2758.2	5052.9	43757.	3428.8
#3	2765.2	5057.9	43443.	3453.5

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Sample Name: MP30271-B1 Acquired: 4/25/2016 14:06:35 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0477	27.34	2.002	2.041	.0507	26.45	.0522	.5358	.2100
Stddev	.0006	.12	.005	.004	.0004	.16	.0002	.0007	.0008
%RSD	1.351	.4325	.2419	.1888	.7330	.6028	.4177	.1263	.3605
#1	.0482	27.22	2.005	2.037	.0503	26.31	.0521	.5358	.2103
#2	.0479	27.45	1.996	2.040	.0509	26.62	.0521	.5352	.2092
#3	.0469	27.34	2.004	2.045	.0510	26.42	.0525	.5365	.2106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2652	27.29	25.14	25.52	.5517	.5079	25.45	.5468	.4991
Stddev	.0010	.09	.23	.27	.0009	.0018	.06	.0018	.0031
%RSD	.3791	.3365	.9161	1.061	.1678	.3540	.2256	.3206	.6224
#1	.2655	27.18	24.91	25.30	.5508	.5075	25.51	.5455	.4995
#2	.2660	27.33	25.37	25.82	.5527	.5064	25.44	.5461	.4958
#3	.2640	27.35	25.14	25.44	.5517	.5099	25.39	.5488	.5020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5052	2.039	.0375	.5896	.4940	.5259	2.048	.4967	.5659
Stddev	.0028	.007	.0004	.0017	.0010	.0061	.011	.0031	.0013
%RSD	.5478	.3556	.9949	.2816	.1994	1.169	.5414	.6153	.2350
#1	.5020	2.034	.0371	.5914	.4929	.5209	2.045	.4997	.5674
#2	.5067	2.047	.0375	.5881	.4943	.5242	2.039	.4936	.5648
#3	.5068	2.035	.0378	.5894	.4948	.5328	2.061	.4968	.5656
Check ?	Chk Pass	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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7.2
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Sample Name: MP30271-B1 Acquired: 4/25/2016 14:06:35 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2646.5	4988.6	42895.	3397.3
Stddev	2.6	4.1	106.	24.2
%RSD	.09891	.08239	.24823	.71175
#1	2645.3	4984.2	42901.	3423.1
#2	2644.7	4989.2	42998.	3375.1
#3	2649.5	4992.3	42785.	3393.8

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Sample Name: FA32238-13 Acquired: 4/25/2016 14:10:56 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	236.1	.0670	1.151	.0057	40.94	.0003	.0582	.4813
Stddev	.0015	1.5	.0059	.008	.0001	.23	.0003	.0012	.0010
%RSD	1187.	.6306	8.779	.7161	1.370	.5693	86.16	2.138	.2127
#1	-.0008	235.5	.0712	1.151	.0056	40.98	.0006	.0587	.4802
#2	-.0006	235.0	.0695	1.144	.0057	40.69	.0001	.0568	.4815
#3	.0018	237.8	.0602	1.160	.0057	41.15	.0003	.0591	.4822
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1858	207.4	21.92	33.43	3.951	.0030	2.754	.2894	1.172
Stddev	.0011	1.5	.05	.37	.012	.0003	.011	.0021	.006
%RSD	.5739	.7450	.2447	1.096	.2910	11.53	.3891	.7298	.4792
#1	.1852	207.0	21.90	33.70	3.938	.0034	2.743	.2876	1.174
#2	.1852	206.1	21.88	33.02	3.956	.0028	2.764	.2887	1.166
#3	.1871	209.1	21.98	33.58	3.959	.0029	2.755	.2917	1.176
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0001	-.0025	3.572	.0450	.5589	6.785	-.0072	.4227	.4034
Stddev	.0016	.0023	.021	.0023	.0038	.018	.0040	.0012	.0021
%RSD	1486.	92.71	.6000	5.108	.6747	.2637	55.00	.2753	.5215
#1	.0019	-.0009	3.559	.0426	.5586	6.768	-.0087	.4221	.4010
#2	-.0005	-.0014	3.560	.0471	.5553	6.784	-.0027	.4220	.4044
#3	-.0011	-.0051	3.596	.0454	.5628	6.803	-.0102	.4241	.4048
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2579.0	5067.4	43225.	3469.2					
Stddev	2.6	16.2	129.	12.2					
%RSD	.09965	.31986	.29854	.35161					
#1	2576.6	5066.4	43207.	3475.3					
#2	2581.7	5084.1	43363.	3477.2					
#3	2578.6	5051.7	43106.	3455.2					

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Sample Name: MP30271-D1 Acquired: 4/25/2016 14:15:17 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	221.7	0.622	1.090	0.051	38.42	-0.001	0.547	4.363
Stddev	0.010	1.1	0.041	0.04	0.004	0.21	0.002	0.008	0.031
%RSD	220.6	4.753	6.638	3.888	8.055	5.520	351.2	1.375	7.210
#1	.0005	220.8	.0576	1.088	.0049	38.42	-.0001	.0556	4.365
#2	-.0015	222.9	0.638	1.095	.0056	38.63	-.0003	.0541	4.331
#3	-.0004	221.5	0.654	1.088	.0049	38.20	.0002	.0546	4.394
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1713	197.8	20.88	31.57	3.698	0.030	2.580	2.714	1.098
Stddev	0.028	.8	.20	.26	.024	0.006	.026	0.009	.003
%RSD	1.608	4.203	9.432	8.143	6.358	18.53	9.904	3.190	2.439
#1	.1714	197.2	20.68	31.46	3.693	0.036	2.598	2.708	1.098
#2	.1741	198.8	21.08	31.87	3.677	0.025	2.591	2.710	1.095
#3	.1686	197.5	20.86	31.39	3.723	0.029	2.551	2.724	1.100
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.031	-0.032	3.051	0.456	5.266	6.329	-0.087	4.025	3.770
Stddev	0.037	0.022	0.003	0.009	0.039	0.14	0.014	0.023	0.005
%RSD	121.5	69.43	1.063	1.990	7.403	2.177	15.97	5.827	1.407
#1	.0012	-.0012	3.051	0.445	5.232	6.326	-.0086	4.049	3.771
#2	-.0049	-.0057	3.054	0.459	5.308	6.317	-.0073	4.002	3.774
#3	-.0055	-.0028	3.047	0.462	5.256	6.344	-.0100	4.026	3.764
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2599.7	5065.7	4341.2	3479.4					
Stddev	9.1	4.1	288.	15.9					
%RSD	.34995	.08055	.66228	.45656					
#1	2599.9	5061.0	4349.2	3491.9					
#2	2609.0	5068.1	4365.2	3461.5					
#3	2599.0	5068.0	4309.4	3484.7					

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Sample Name: MP30271-SD1 Acquired: 4/25/2016 14:19:39 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 25.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.2368	1250.	8.750	7.359	.2937	239.9	0.2659	5.666	2.768
Stddev	0.043	5.	0.011	0.32	0.024	.5	0.023	0.009	0.05
%RSD	1.828	3.783	1.202	4.398	8.055	1.896	8.792	1.598	1.723
#1	.2380	1249.	8.755	7.321	.2946	240.4	0.2651	5.658	2.770
#2	.2320	1255.	8.738	7.379	.2955	239.8	0.2641	5.664	2.772
#3	.2404	1245.	8.757	7.375	.2910	239.6	0.2685	5.676	2.763
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.504	1099.	164.7	201.2	20.88	5.252	65.58	2.042	6.355
Stddev	0.12	5.	.9	.8	.04	0.024	.44	.010	0.19
%RSD	8.269	4.655	5.259	3.955	2.119	4.617	6.672	4.687	3.027
#1	1.492	1097.	165.6	202.0	20.93	5.279	65.11	2.033	6.333
#2	1.505	1105.	164.7	201.3	20.86	5.247	65.97	2.042	6.367
#3	1.517	1096.	163.9	200.4	20.86	5.231	65.66	2.052	6.367
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	5.565	4.457	18.94	4.847	3.173	36.04	4.730	2.462	3.400
Stddev	0.096	0.171	0.05	0.077	0.12	0.07	0.182	0.06	0.07
%RSD	1.782	3.836	2.674	1.584	3.840	1.869	3.849	2.329	2.151
#1	5.255	4.653	18.89	4.791	3.167	36.12	4.521	2.461	3.391
#2	5.430	4.383	18.99	4.935	3.187	36.00	4.856	2.468	3.405
#3	5.409	4.336	18.94	4.816	3.166	36.01	4.812	2.457	3.402
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2579.3	5064.6	4321.1	3463.7					
Stddev	10.4	15.8	207.	7.1					
%RSD	.40186	.31101	.47837	.20575					
#1	2584.0	5079.1	4299.0	3471.6					
#2	2586.4	5066.9	4324.2	3462.0					
#3	2567.4	5047.9	4340.0	3457.7					

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7.2
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Sample Name: MP30271-PS1 Acquired: 4/25/2016 14:24:00 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	56.87	0.137	2.727	0.000	8.311	-0.010	0.113	1.055
Stddev	0.016	.28	0.009	0.045	0.00	0.35	0.001	0.006	0.031
%RSD	775.1	4.962	6.487	1.635	536.8	4.224	6.649	4.961	2.936
#1	.0008	56.56	0.147	2.678	.0002	8.334	-.0010	0.120	1.088
#2	-.0021	56.96	0.131	2.737	-.0001	8.329	-.0009	0.109	1.053
#3	.0007	57.10	0.133	2.765	-.0002	8.271	-.0009	0.111	1.026
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.367	43.16	5.766	6.990	8.120	-0.032	1.799	0.643	2.320
Stddev	0.017	.08	.335	0.36	0.044	0.006	.127	0.012	0.047
%RSD	4.621	1.901	5.811	5.126	5.409	19.98	7.044	1.876	2.009
#1	0.362	43.25	5.420	7.030	8.084	-.0035	1.682	0.657	2.277
#2	0.385	43.15	5.791	6.962	8.169	-.0037	1.782	0.638	2.312
#3	0.353	43.08	6.089	6.978	8.107	-.0025	1.934	0.635	2.370
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.089	-0.047	19.81	0.080	1.173	1.813	-0.060	0.871	1.161
Stddev	0.046	0.094	.43	0.013	0.007	0.37	0.056	0.004	0.009
%RSD	52.09	199.9	2.168	16.70	5.931	2.017	94.14	4.307	8.090
#1	-.0042	-.0080	20.15	.0075	1.165	1.853	-.0096	0.875	1.164
#2	-.0090	-.0121	19.33	.0070	1.177	1.804	0.0005	0.869	1.168
#3	-.0135	0.0059	19.94	0.095	1.176	1.782	-.0087	0.869	1.150
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2730.9	5114.7	4394.1	3457.8					
Stddev	.7	2.0	132.	18.4					
%RSD	.02487	.03818	.30141	.53348					
#1	2730.3	5113.7	4409.0	3443.0					
#2	2730.8	5117.0	4383.7	3452.0					
#3	2731.6	5113.5	4389.6	3478.5					

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Sample Name: MP30271-S1 Acquired: 4/25/2016 14:28:26 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.468	285.2	2.021	3.201	0.601	66.85	0.528	5.831	6.828
Stddev	0.011	.6	.008	.012	0.005	.02	0.006	0.007	0.020
%RSD	2.400	2.069	3.758	3.610	0.767	0.238	1.188	1.250	2.953
#1	0.457	285.1	2.028	3.202	0.601	66.87	0.521	5.825	6.828
#2	0.479	284.7	2.023	3.189	0.606	66.84	0.532	5.829	6.848
#3	0.467	285.8	2.013	3.212	0.597	66.85	0.532	5.839	6.807
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	4.492	236.5	46.76	59.21	4.429	4.665	28.39	8	

Sample Name: MP30271-S2 Acquired: 4/25/2016 14:32:45 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0478	277.9	2.018	3.160	0.0590	65.42	0.0525	5.807	6.863
Stddev	.0012	.1	.001	.013	.0007	.25	.0005	.0009	.0014
%RSD	2.425	.0529	.0431	.3984	1.122	.3793	.8864	.1531	.2094
#1	.0491	277.7	2.017	3.151	.0591	65.41	.0525	5.816	6.876
#2	.0468	277.9	2.018	3.155	.0597	65.67	.0520	5.799	6.866
#3	.0476	278.0	2.019	3.174	.0583	65.18	.0529	5.804	6.847
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	4.427	230.7	45.79	57.82	4.270	4.581	28.32	8.347	1.794
Stddev	.0027	.9	.07	.56	.013	.0021	.03	.0012	.014
%RSD	.6014	.3827	.1531	.9655	.2955	.4481	.1081	.1427	.8028
#1	.4400	230.2	45.85	57.87	4.283	4.568	28.35	8.357	1.791
#2	.4428	231.8	45.80	58.35	4.258	4.571	28.33	8.351	1.781
#3	.4453	230.2	45.71	57.23	4.269	4.605	28.29	8.334	1.810
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	1.1518	1.984	3.624	5.486	1.034	6.779	2.049	9.049	9.196
Stddev	.0014	.011	.008	.0017	.006	.008	.003	.0008	.0017
%RSD	.0935	.5455	.2114	.3045	.5801	.1208	.1378	.0868	.1894
#1	.1534	1.993	3.630	5.471	1.027	6.783	2.047	9.042	9.202
#2	.1510	1.987	3.616	5.483	1.037	6.770	2.053	9.057	9.210
#3	.1510	1.972	3.628	5.504	1.038	6.784	2.049	9.046	9.177
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2528.3	5003.5	42625.	3450.4					
Stddev	5.2	11.2	223.	3.8					
%RSD	.20550	.22287	.52338	.11093					
#1	2526.8	4998.4	42368.	3454.3					
#2	2534.1	5016.2	42743.	3446.6					
#3	2524.0	4995.7	42765.	3450.1					

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Sample Name: FA32238-17 Acquired: 4/25/2016 14:37:04 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.010	202.9	0.278	1.585	0.0037	39.00	-0.0003	0.0506	0.3309
Stddev	.0017	.4	.0041	.004	.0003	.05	.0002	.0010	.0007
%RSD	171.9	.2191	14.66	.2438	9.134	.1231	60.99	1.884	.2083
#1	.0007	202.6	.0325	1.583	.0037	39.01	-0.0001	.0496	.3302
#2	-0.0026	203.4	0.252	1.589	.0041	39.04	-0.0005	.0515	.3315
#3	-0.0010	202.6	0.257	1.582	.0034	38.95	-0.0003	.0506	.3312
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.055	184.5	17.68	19.07	4.862	0.047	2.247	2.065	1.429
Stddev	.0004	1.0	.24	.09	.013	.0010	.043	.0006	.001
%RSD	.1245	.5332	1.350	.4902	.2659	20.86	1.896	.2958	.0885
#1	.3060	184.0	17.83	19.18	4.858	.0054	2.286	.2065	1.428
#2	.3053	185.7	17.80	19.03	4.876	.0052	2.253	.2071	1.429
#3	.3054	184.0	17.40	19.00	4.851	.0036	2.202	.2059	1.431
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.0032	-0.0099	3.873	0.439	5.567	6.238	-0.0076	4.407	3.152
Stddev	.0018	.0155	.012	.0014	.0008	.013	.0012	.0017	.0009
%RSD	57.51	157.4	.3142	3.214	.1565	.2016	16.34	.3917	.2729
#1	-0.0053	-0.0226	3.887	.0424	.5373	6.237	-0.0074	4.324	.3142
#2	-0.0024	-0.0075	3.864	.0442	.5372	6.251	-0.0065	4.306	.3159
#3	-0.0019	-0.0145	3.869	.0452	.5358	6.226	-0.0090	4.291	.3155
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2612.3	5054.5	43072.	3457.7					
Stddev	2.7	7.5	226.	10.4					
%RSD	.10235	.14909	.52565	.30077					
#1	2610.9	5047.5	42936.	3466.6					
#2	2615.4	5062.5	42946.	3446.2					
#3	2610.6	5053.6	43333.	3460.2					

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Sample Name: CCV Acquired: 4/25/2016 14:41:25 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2529	40.54	2.048	2.010	2.036	40.86	2.067	2.059	2.055
Stddev	.0005	.41	.004	.020	.016	.39	.002	.001	.001
%RSD	.1782	1.016	.2011	1.005	.7623	.9608	.0895	.0537	.0383
#1	.2524	40.79	2.051	2.026	2.047	41.08	2.068	2.060	2.056
#2	.2533	40.06	2.044	1.987	2.018	40.40	2.065	2.058	2.054
#3	.2529	40.76	2.050	2.017	2.042	41.09	2.068	2.059	2.055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.033	40.03	40.25	40.73	2.088	2.040	40.50	2.079	2.031
Stddev	.008	.39	.40	.25	.003	.001	.38	.003	.002
%RSD	.3818	.9776	.9972	.6015	.1491	.0348	.9309	.1266	.1088
#1	2.024	40.25	40.54	40.78	2.085	2.041	40.80	2.082	2.033
#2	2.036	39.58	39.80	40.46	2.091	2.039	40.08	2.077	2.029
#3	2.039	40.26	40.42	40.94	2.089	2.039	40.63	2.078	2.031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.062	2.070	1.481	2.068	1.995	2.072	2.060	2.043	2.048
Stddev	.001	.007	.004	.002	.017	.002	.005	.001	.001
%RSD	.0388	.3445	.2421	.0940	.8521	.1084	.2628	.0545	.0424
#1	2.062	2.077	1.477	2.070	2.006	2.070	2.056	2.042	2.049
#2	2.061	2.063	1.481	2.068	1.975	2.073	2.058	2.043	2.049
#3	2.062	2.069	1.484	2.066	2.004	2.074	2.066	2.045	2.048
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 4/25/2016 14:41:25 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2335.5	4749.0	40665.	3314.4
Stddev	1.6	5.7	55.	44.4
%RSD	.06826	.12042	.13629	1.3385
#1	2336.8	4753.3	40689.	3298.2
#2	2336.0	4751.3	40704.	3364.6
#3	2333.7	4742.5	40601.	3280.4

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Sample Name: CCB Acquired: 4/25/2016 14:45:37 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include Units, Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Units, Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Units, Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: CCB Acquired: 4/25/2016 14:45:37 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Cts/S, Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: FA32238-20 Acquired: 4/25/2016 14:50:11 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 4 columns: Int. Std. Avg, Stddev, %RSD. Rows include In2306, Y_2243, Y_3600, Y_3710 and #1-3.

Sample Name: FA32238-23 Acquired: 4/25/2016 14:54:33 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 4 columns: Int. Std. Avg, Stddev, %RSD. Rows include In2306, Y_2243, Y_3600, Y_3710 and #1-3.

Sample Name: FA32238-26 Acquired: 4/25/2016 14:58:55 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	330.0	0.684	1.682	0.077	61.54	0.005	0.655	5.627
Stddev	.0015	2.1	.0020	.011	.0002	.33	.0005	.0005	.0022
%RSD	325.3	.6477	2.931	.6357	2.042	.5425	91.40	.7070	.3995

#1	.0003	331.2	.0702	1.683	.0076	61.61	.0000	.0660	.5602
#2	-.0022	331.3	.0687	1.693	.0079	61.83	.0008	.0651	.5635
#3	.0005	327.5	.0662	1.672	.0076	61.18	.0007	.0655	.5645

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.140	235.5	22.43	46.30	5.152	0.020	3.204	4.082	3.085
Stddev	.0012	1.3	.25	.26	.018	.0005	.021	.0014	.0023
%RSD	.8882	.5383	1.126	.5682	.3525	26.48	.6455	.3427	.7303

#1	.1343	236.2	22.26	46.47	5.131	.0022	3.191	.4089	.3059
#2	.1327	236.2	22.72	46.45	5.166	.0014	3.192	.4091	.3096
#3	.1351	234.0	22.32	46.00	5.159	.0024	3.228	.4066	.3100

Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.022	-0.051	3.034	0.383	0.767	7.546	-0.115	4.404	4.447
Stddev	.0046	.0028	.005	.0020	.0046	.035	.0033	.0005	.0012
%RSD	205.4	54.33	.1798	5.139	.5972	4.580	29.00	1.092	2.673

#1	.0026	-.0074	3.040	.0397	.7708	7.510	-.0096	.4408	.4466
#2	-.0066	-.0059	3.033	.0391	.7698	7.578	-.0096	.4398	.4462
#3	-.0027	-.0020	3.030	.0360	.7624	7.549	-.0154	.4405	.4443

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2577.0	5063.7	4295.7	3428.5
Stddev	.8	7.9	245.	31.8
%RSD	.03034	.15537	.57132	.92742

#1	2576.2	5055.3	43018.	3419.5
#2	2576.9	5070.9	42687.	3402.2
#3	2577.8	5064.9	43166.	3463.9

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Sample Name: FA32238-29 Acquired: 4/25/2016 15:03:15 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.007	331.4	0.391	3.058	0.080	68.42	0.005	0.674	4.981
Stddev	.0017	1.1	.0012	.013	.0002	.42	.0004	.0011	.0023
%RSD	229.7	.3258	2.948	.4156	2.896	.6199	81.09	1.451	.4690

#1	.0002	330.2	.0378	3.044	.0079	67.93	.0002	.0769	.4955
#2	-.0026	332.2	.0393	3.060	.0078	68.60	.0010	.0772	.4985
#3	.0003	331.8	.0401	3.069	.0082	68.72	.0003	.0751	.5001

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.171	280.2	19.35	30.85	8.629	0.058	4.459	3.623	3.248
Stddev	.0013	1.3	.07	.12	.021	.0008	.028	.0045	.0076
%RSD	.9159	.4675	.3575	.3828	.2465	13.71	.6230	1.255	2.331

#1	.1384	278.7	19.33	30.73	8.616	.0060	4.428	.3643	.3280
#2	.1368	280.8	19.29	30.86	8.618	.0064	4.471	.3656	.3301
#3	.1359	281.0	19.42	30.97	8.654	.0049	4.480	.3571	.3161

Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.055	-0.048	3.833	0.411	.9873	8.191	-0.021	6.256	2.997
Stddev	.0026	.0084	.037	.0018	.0040	.009	.0014	.0031	.0040
%RSD	47.52	176.1	.9724	4.277	4.058	.1122	67.22	.4876	1.326

#1	-.0073	.0033	3.855	.0430	.9829	8.201	-.0035	.6259	.3007
#2	-.0067	-.0135	3.854	.0408	.9880	8.189	-.0020	.6224	.3031
#3	-.0025	-.0042	3.790	.0395	.9908	8.183	-.0007	.6285	.2954

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2562.1	5099.9	4299.9	3430.3
Stddev	26.1	51.7	14.	16.4
%RSD	1.0185	1.0135	.03265	.47845

#1	2545.6	5072.1	43014.	3446.2
#2	2548.5	5068.1	42996.	3413.4
#3	2592.2	5159.5	42987.	3431.2

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7.2
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Sample Name: FA32306-1 Acquired: 4/25/2016 15:07:38 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	242.6	0.671	1.554	0.068	49.55	0.142	0.706	4.644
Stddev	.0019	1.1	.0039	.007	.0003	.26	.0004	.0009	.0018
%RSD	465.9	.4459	5.767	.4524	3.724	.5268	3.045	1.232	.3889

#1	-.0013	242.0	.0715	1.548	.0065	49.43	.0147	.0698	.4664
#2	-.0018	241.8	.0640	1.552	.0070	49.37	.0140	.0705	.4631
#3	-.0017	243.8	.0659	1.561	.0069	49.85	.0138	.0715	.4636

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	6.393	218.3	23.82	32.59	7.057	0.028	2.891	2.782	1.517
Stddev	.0022	1.1	.16	.31	.014	.0004	.006	.0006	.007
%RSD	.3449	.5224	.6640	.9366	.1995	14.45	.2218	.2230	.4660

#1	.6406	217.5	23.67	32.44	7.049	.0033	2.887	.2780	1.511
#2	.6367	217.7	23.79	32.38	7.049	.0027	2.898	.2778	1.516
#3	.6405	219.6	23.98	32.94	7.074	.0025	2.887	.2789	1.525

Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.002	-0.002	3.577	0.408	6.095	7.323	-0.128	4.242	6.226
Stddev	.0002	.0134	.009	.0029	.0025	.010	.0103	.0019	.0013
%RSD	3.314	7499.	.2659	7.145	.4097	.1376	80.69	.4488	.2041

#1	-.0070	-.0054	3.588	.0441	.6081	7.321	-.0228	.4236	.6215
#2	-.0075	.0151	3.574	.0396	.6080	7.314	-.0134	.4264	.6224
#3	-.0071	-.0102	3.570	.0386	.6124	7.334	-.0022	.4227	.6240

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2586.1	5084.3	4325.5	3450.2
Stddev	5.7	14.5	35.	18.4
%RSD	.21881	.28444	.08036	.53300

#1	2583.4	5082.9	43238.	3440.5
#2	2582.3	5070.6	43295.	3471.4
#3	2592.6	5099.4	43233.	3438.6

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Sample Name: FA32306-4 Acquired: 4/25/2016 15:12:00 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.006	193.4	0.852	1.060	0.056	51.54	0.053	0.666	4.900
Stddev	.0009	.5	.0041	.004	.0003	.34	.0002	.0004	.0010
%RSD	167.9	.2715	4.866	4.140	4.726	66.14	4.400	.5681	.2056

Sample Name: FA32306-7 Acquired: 4/25/2016 15:16:22 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0004	422.2	.0818	4.912	.0121	166.5	.0034	.1149	.6870
Stddev	.0017	1.1	.0020	.021	.0001	.4	.0002	.0004	.0047
%RSD	449.6	.2692	2.431	.4210	.9875	.2530	6.422	.3871	.6872
#1	.0019	421.2	.0811	4.888	.0122	166.1	.0032	.1153	.6844
#2	-.0015	422.0	.0841	4.928	.0120	166.6	.0036	.1144	.6841
#3	.0007	423.4	.0803	4.919	.0121	166.9	.0034	.1150	.6924
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.442	359.5	34.29	57.26	13.55	0.035	3.852	5.016	7.486
Stddev	.003	.9	.04	.14	.0004	.038	.0009	.031	.031
%RSD	.2376	.2611	.1101	.2429	1.054	11.74	.9959	.1771	.4097
#1	1.440	359.1	34.31	57.42	13.43	.0032	3.815	.5006	7.463
#2	1.440	358.8	34.31	57.22	13.51	.0040	3.849	.5018	7.475
#3	1.446	360.6	34.25	57.15	13.71	.0034	3.891	.5024	7.521
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0040	-.0117	4.167	.0436	2.464	12.04	.0067	.6965	.8109
Stddev	.0058	.0067	.009	.0007	.002	.05	.0061	.0042	.0015
%RSD	144.8	57.39	.2121	1.608	.0857	4.340	90.10	.5973	.1851
#1	-.0026	-.0128	4.160	.0429	2.462	12.00	.0095	.6970	.8126
#2	.0065	-.0177	4.163	.0436	2.466	12.04	-.0002	.6922	.8096
#3	.0083	-.0045	4.177	.0443	2.464	12.10	.0110	.7004	.8105
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2520.8	5099.1	4331.2	3439.4					
Stddev	3.5	8.3	253.	16.9					
%RSD	.13980	.16278	.58438	.49001					
#1	2524.8	5101.5	4345.0	3448.1					
#2	2519.4	5089.9	4346.5	3450.2					
#3	2518.2	5106.0	4302.0	3420.0					

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Sample Name: FA32306-11 Acquired: 4/25/2016 15:25:14 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0015	251.7	.0517	1.683	.0066	62.04	-.0008	.0665	.4764
Stddev	.0010	1.4	.0024	.011	.0000	.32	.0001	.0009	.0026
%RSD	67.24	.5491	4.677	.6524	.7468	.5192	15.00	1.297	.5449
#1	-.0027	253.2	.0506	1.695	.0066	62.41	-.0009	.0670	.4735
#2	-.0010	251.7	.0500	1.683	.0066	61.84	-.0009	.0669	.4774
#3	-.0009	250.4	.0545	1.673	.0065	61.86	-.0007	.0655	.4784
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2025	221.9	25.90	36.77	4.829	.036	3.301	.2983	2.563
Stddev	.0016	1.1	.06	.41	.025	.0002	.018	.0019	.003
%RSD	.7936	.5062	.2401	1.129	.5092	5.435	.5403	.6307	.1029
#1	.2038	223.2	25.93	37.21	4.800	.0037	3.319	.2988	2.560
#2	.2030	221.2	25.82	36.38	4.844	.0037	3.283	.2999	2.562
#3	.2007	221.2	25.93	36.73	4.842	.0034	3.302	.2962	2.566
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0079	-.0028	2.866	.0354	.8674	8.030	-.0068	.4620	.3591
Stddev	.0069	.0032	.006	.0005	.0044	.027	.0019	.0023	.0009
%RSD	88.15	113.0	.1954	1.395	.5064	.3359	27.61	.4967	.2372
#1	.0018	-.0007	2.870	.0350	.8721	8.000	-.0056	.4600	.3596
#2	.0064	-.0013	2.868	.0353	.8634	8.038	-.0090	.4645	.3595
#3	.0154	-.0065	2.860	.0360	.8667	8.052	-.0059	.4615	.3581
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2609.9	5121.2	4351.6	3457.0					
Stddev	4.4	8.4	57.	17.2					
%RSD	.16976	.16326	.13087	.49815					
#1	2605.2	5115.6	4354.0	3440.1					
#2	2610.6	5117.2	4345.1	3474.6					
#3	2614.0	5130.8	4355.7	3456.4					

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Sample Name: FA32306-10 Acquired: 4/25/2016 15:20:52 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0005	255.8	.0534	1.933	.0063	74.25	.0008	.0717	.4774
Stddev	.0010	.7	.0049	.007	.0003	.34	.0006	.0006	.0029
%RSD	207.3	.2711	9.095	.3802	5.112	.4568	76.23	.8048	.6139
#1	.0007	256.5	.0589	1.934	.0067	74.45	.0005	.0723	.4748
#2	-.0009	255.8	.0520	1.940	.0063	74.45	.0005	.0713	.4768
#3	-.0013	255.1	.0495	1.925	.0061	73.86	.0016	.0714	.4806
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2860	233.6	27.81	38.79	6.111	.0025	3.387	.3187	2.510
Stddev	.0013	.5	.04	.14	.025	.0005	.042	.0019	.015
%RSD	.4669	.2050	.1450	.3547	.4082	18.44	1.225	.5957	.5992
#1	.2854	234.0	27.83	38.87	6.085	.0021	3.418	.3183	2.511
#2	.2875	233.6	27.76	38.88	6.114	.0023	3.403	.3207	2.525
#3	.2851	233.1	27.83	38.63	6.135	.0030	3.340	.3170	2.495
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0169	-.0070	3.800	.0457	1.037	8.128	-.0080	.4901	.4922
Stddev	.0015	.0036	.012	.0015	.000	.026	.0070	.0022	.0015
%RSD	8.819	51.67	.3150	3.266	.0431	.3239	87.76	.4515	.3079
#1	.0156	-.0103	3.801	.0448	1.037	8.099	-.0125	.4926	.4933
#2	.0165	-.0031	3.787	.0449	1.038	8.138	-.0116	.4885	.4928
#3	.0185	-.0077	3.811	.0474	1.037	8.148	.0001	.4893	.4905
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2583.8	5085.6	4335.3	3445.2					
Stddev	4.2	6.0	72.	25.7					
%RSD	.16069	.11813	.16654	.74557					
#1	2587.8	5090.5	4343.6	3416.0					
#2	2579.5	5087.3	4330.8	3455.4					
#3	2584.1	5078.9	4331.5	3464.2					

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Sample Name: FA32306-16 Acquired: 4/25/2016 15:29:37 Type: Unk
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0013	144.8	.0083	1.064	.0017	37.82	-.0014	.0287	.2431
Stddev	.0010	.4	.0011	.008	.0001	.09	.0004	.0006	.0022
%RSD	76.61	.2887	13.62	.7777	5.459	.2467	29.65	2.216	.9084
#1	-.0002	144.6	.0094	1.061	.0018	37.72	-.0010	.0290	.2441
#2	-.0022	144.5	.0083	1.058	.0018	37.90	-.0019	.0279	.2405
#3	-.0017	145.3	.0071	1.074	.0016	37.84	-.0014	.0291	.2446
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0939	136.1	16.15	15.32	3.410	.0014	2.091	.1300	.2631
Stddev	.0019	.5	.07	.17	.005	.0005	.047	.0012	.0033
%RSD	2.050	.3734	.4075	1.094	.1568	35.65	2.249	.8860	1.273
#1	.0947	136.2	16.08	15.23	3.408	.0010	2.120	.1312	.2664
#2	.0953	135.5	16.21	15.21	3.416	.0020	2.117	.1297	.2597
#3	.0917	136.5	16.16	15.51	3.406	.0013	2.037	.1290	.2633
Elem									

Sample Name: CCV Acquired: 4/25/2016 15:34:01 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2539	40.51	2.031	2.011	2.025	41.04	2.059	2.051	2.060
Stddev	.0004	.04	.003	.003	.003	.10	.004	.003	.007
%RSD	.1638	.1017	.1312	.1574	.1686	.2489	.2006	.1241	.3413
#1	.2544	40.52	2.034	2.015	2.022	41.01	2.063	2.053	2.068
#2	.2537	40.47	2.030	2.009	2.025	41.16	2.055	2.048	2.059
#3	.2536	40.55	2.030	2.009	2.029	40.96	2.060	2.050	2.054

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.026	39.93	40.44	40.94	2.080	2.026	40.34	2.063	2.029
Stddev	.005	.03	.11	.09	.005	.001	.06	.004	.005
%RSD	.2416	.0735	.2808	.2305	.2526	.0507	.1557	.1832	.2681
#1	2.028	39.90	40.43	40.96	2.086	2.026	40.35	2.067	2.033
#2	2.030	39.94	40.56	41.02	2.079	2.028	40.28	2.060	2.023
#3	2.021	39.96	40.34	40.84	2.075	2.026	40.40	2.063	2.031

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.039	2.051	1.462	2.067	1.998	2.061	2.052	2.036	2.059
Stddev	.002	.003	.002	.004	.003	.005	.002	.004	.007
%RSD	.0940	.1681	.1211	.1979	.1653	.2352	.0944	.1837	.3209
#1	2.037	2.055	1.463	2.071	2.001	2.066	2.051	2.040	2.066
#2	2.040	2.048	1.461	2.065	1.995	2.062	2.051	2.036	2.054
#3	2.040	2.051	1.464	2.064	1.996	2.056	2.055	2.032	2.056

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/25/2016 15:34:01 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2352.2	4809.2	40889.	3306.7
Stddev	2.0	4.7	143.	8.1
%RSD	.08515	.09858	.34851	.24411
#1	2353.7	4814.1	40827.	3314.1
#2	2352.9	4804.7	40788.	3307.9
#3	2349.9	4808.8	41052.	3298.1

Sample Name: CCB Acquired: 4/25/2016 15:38:13 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0052	.0000	.0002	.0000	.0121	-0.001	-0.002	-0.001
Stddev	.0002	.0063	.001	.0002	.0000	.0014	.0000	.0001	.0000
%RSD	133.2	120.7	3134.	117.9	35.44	11.85	57.22	41.58	38.24
#1	.0004	.0017	.0005	.0000	.0000	.0131	.0000	-.0001	-.0001
#2	.0000	.0125	.0005	.0004	.0001	.0129	-.0001	-.0002	-.0001
#3	.0000	.0014	-.0011	.0001	.0000	.0105	-.0001	-.0002	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0107	.0016	.0039	.0001	.0005	.0013	-0.001	.0002
Stddev	.0002	.0013	.0251	.0136	.0001	.0002	.0043	.0000	.0004
%RSD	240.6	11.82	1559.	350.7	124.4	41.10	330.8	6.674	226.1
#1	-.0001	.0116	-.0260	.0184	.0002	.0006	.0056	-.0001	-.0001
#2	-.0002	.0112	.0232	-.0084	.0001	.0006	.0014	-.0001	.0000
#3	.0001	.0092	.0076	.0016	.0000	.0003	-.0031	-.0001	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0005	.0035	.0000	.0001	.0004	-0.007	-0.002	.0003
Stddev	.001	.0009	.0002	.000	.0000	.0001	.0010	.0001	.0002
%RSD	922.2	162.3	4.874	342.1	65.48	33.15	134.2	51.38	52.65
#1	.0000	.0010	.0034	.0000	.0001	.0005	.0002	-.0001	.0005
#2	.0004	.0010	.0037	.0000	.0000	.0003	-.0018	-.0001	.0002
#3	-.0005	-.0005	.0035	-.0001	.0000	.0002	-.0007	-.0003	.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 4/25/2016 15:38:13 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2760.2	5052.8	43276.	3402.4
Stddev	3.5	3.9	17.	12.0
%RSD	.12849	.07800	.03973	.35259
#1	2756.3	5052.7	43293.	3415.8
#2	2763.3	5056.8	43275.	3392.5
#3	2761.1	5048.9	43259.	3399.0

Sample Name: FA32306-19 Acquired: 4/25/2016 15:42:48 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.012	134.8	0.174	8058	0.015	27.84	-0.014	0.0239	2286
Stddev	.0009	.2	.0004	.0031	.0003	.01	.0000	.0007	.0010
%RSD	70.03	.1852	2.318	.3889	16.78	.0298	3.358	2.798	.4567
#1	-.0007	134.6	.0172	.8023	.0017	27.83	-.0013	.0237	.2275
#2	-.0008	135.1	.0179	.8069	.0012	27.85	-.0014	.0246	.2286
#3	-.0023	134.8	.0172	.8083	.0016	27.85	-.0014	.0233	.2296
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2569	132.7	16.49	12.55	2.573	0.051	2.139	1.124	6789
Stddev	.0009	.3	.08	.11	.009	.0014	.032	.0017	.0027
%RSD	.3582	.2486	.4857	.8844	.3666	27.18	1.486	1.502	.3920
#1	.2579	132.3	16.42	12.68	2.579	.0062	2.146	1.131	.6816
#2	.2563	132.8	16.46	12.47	2.578	.0056	2.104	1.105	.6788
#3	.2564	133.0	16.58	12.50	2.562	.0035	2.167	1.137	.6763
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.004	-0.0024	3.223	0.364	3.753	4.769	-0.104	3.578	2.007
Stddev	.0047	.0055	.013	.0022	.0015	.016	.0049	.0009	.0006
%RSD	106.3	230.3	.3911	6.107	.4000	.3306	47.51	2.452	.3060
#1	.0022	-.0028	3.236	.0389	.3737	4.778	-.0157	.3580	.2011
#2	.0040	-.0077	3.210	.0349	.3767	4.777	-.0095	.3585	.2000
#3	-.0049	-.0033	3.222	.0353	.3754	4.750	-.0060	.3568	.2010
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2661.1	5071.2	43455	3409.2					
Stddev	6.5	8.6	218.	7.4					
%RSD	.24380	.17016	.50119	.21655					
#1	2653.7	5066.3	43306.	3402.2					
#2	2665.7	5081.2	43354.	3408.5					
#3	2663.8	5066.2	43705.	3416.9					

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Sample Name: FA32306-22 Acquired: 4/25/2016 15:47:10 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	201.1	0.0295	1.162	0.043	40.94	-0.014	0.0461	.3717
Stddev	.0006	.8	.0028	.008	.0000	.14	.0003	.0003	.0022
%RSD	97.30	.3933	9.561	.7147	1.023	.3395	18.50	.6155	.5898
#1	-.0011	202.0	.0323	1.170	.0043	41.10	-.0014	.0459	.3726
#2	-.0000	200.7	.0297	1.154	.0042	40.84	-.0017	.0459	.3692
#3	-.0006	200.6	.0266	1.163	.0042	40.87	-.0012	.0464	.3733
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.686	190.1	23.38	21.83	4.346	0.049	2.647	1.194	3.373
Stddev	.0008	.8	.25	.16	.017	.0005	.018	.0002	.0002
%RSD	.5019	.4157	1.065	.7134	.3982	9.882	.6870	.1068	.0550
#1	.1677	190.7	23.61	21.69	4.362	.0045	2.645	.1941	.3371
#2	.1687	190.3	23.42	21.79	4.328	.0046	2.630	.1937	.3375
#3	.1694	189.2	23.12	21.99	4.349	.0054	2.666	.1940	.3373
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.028	-0.0015	2.974	0.366	5.220	7.421	-0.165	4.720	2.629
Stddev	.0005	.0049	.008	.0008	.0011	.013	.0039	.0014	.0011
%RSD	19.42	318.2	.2545	2.308	.2022	.1728	23.79	.3009	.4275
#1	.0022	-.0069	2.983	.0375	.5218	7.435	-.0185	.4736	.2625
#2	.0033	-.0027	2.969	.0358	.5231	7.409	-.0189	.4710	.2619
#3	.0029	-.0005	2.970	.0367	.5210	7.419	-.0119	.4713	.2641
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2632.8	5089.5	43222	3406.0					
Stddev	3.1	6.0	113.	16.8					
%RSD	.11799	.11884	.26189	.49453					
#1	2632.8	5082.6	43092.	3387.1					
#2	2629.7	5093.7	43301.	3419.5					
#3	2635.9	5092.3	43272.	3411.3					

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7.2
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Sample Name: FA32306-25 Acquired: 4/25/2016 15:51:30 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.009	203.9	0.475	9365	0.055	29.80	-0.009	0.0596	5172
Stddev	.0004	.2	.0039	.0023	.0004	.09	.0002	.0002	.0044
%RSD	47.38	.1070	8.121	.2414	6.975	.2977	18.43	.3160	.8583
#1	-.0013	203.9	.0456	.9346	.0054	29.82	-.0008	.0597	.5123
#2	-.0004	203.7	.0449	.9361	.0052	29.70	-.0009	.0596	.5183
#3	-.0009	204.1	.0519	.9390	.0059	29.87	-.0011	.0594	.5210
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1843	200.5	22.53	30.87	2.722	0.010	2.621	2.448	4945
Stddev	.0017	.2	.13	.10	.016	.0002	.029	.0004	.0005
%RSD	.8965	.1015	.5946	.3272	.6018	18.74	1.122	.1581	.0980
#1	.1841	200.7	22.62	30.98	2.716	.0008	2.610	.2444	.4946
#2	.1827	200.3	22.60	30.77	2.709	.0011	2.654	.2448	.4940
#3	.1860	200.4	22.38	30.85	2.740	.0012	2.598	.2452	.4949
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0054	-0.0090	2.651	0.361	3.067	7.881	-0.172	4.080	3.321
Stddev	.0059	.0061	.004	.0014	.0009	.031	.0030	.0015	.0007
%RSD	108.8	68.34	.1335	4.009	.3097	.3900	17.63	.3556	.2239
#1	-.0090	-.0086	2.653	.0372	.3077	7.867	-.0157	.4072	.3314
#2	-.0086	-.0030	2.653	.0366	.3068	7.860	-.0153	.4070	.3320
#3	-.0014	-.0153	2.647	.0345	.3058	7.916	-.0207	.4096	.3329
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2639.8	5140.3	43344	3387.2					
Stddev	6.5	4.4	251.	3.4					
%RSD	.24693	.08506	.57881	.09997					
#1	2640.3	5135.5	43525.	3383.6					
#2	2646.1	5144.2	43449.	3390.3					
#3	2633.1	5141.2	43058.	3387.8					

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Sample Name: FA32306-28 Acquired: 4/25/2016 15:55:51 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.001	134.5	0.132	6516	0.011	19.80	-0.017	0.147	1.696
Stddev	.0016	.1	.0018	.0012	.0001	.08	.0003	.0005	.0005
%RSD	145.4	.0856	13.72	.1835	13.31	.4153	17.76	3.437	.2847
#1	.0017	134.5	.0150	.6509	.0010	19.88	-.0013	.0153	.1692
#2	.0001	134.4	.0134	.6509	.0012	19.81	-.0019	.0143	.1696
#3	-.0015	134.6	.0114	.6530	.0009	19.71	-.0018	.0147	.1701
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	8393	136.8	12.22	9.886	1.120	0.053	1.548	0.886	6.919
Stddev	.0037	.4	.03	.062	.005	.0004	.030	.0007	.020
%RSD	.4407	.3204	.2735	.6238	.4762	8.402	1.927	.8119	.2867
#1	.8422	137.1	12.21	9.916	1.117	.0055	1.569	.0888	6.906
#2	.8406	137.0	12.20	9.815	1				

Sample Name: FA32306-31 Acquired: 4/25/2016 16:00:15 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.015	130.1	0.188	1.069	0.014	28.57	-0.013	0.177	1.858
Stddev	.0017	.2	.0017	.004	.0001	.08	.0003	.0003	.0024
%RSD	110.2	.1710	9.250	.3888	9.066	.2863	21.56	1.876	1.306
#1	-.0019	129.9	.0176	1.068	.0016	28.51	-.0010	.0176	.1835
#2	-.0003	130.3	.0208	1.073	.0014	28.66	-.0014	.0174	.1855
#3	-.0030	130.2	.0180	1.065	.0013	28.53	-.0015	.0181	.1883
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.958	135.1	12.56	10.76	1.689	0.041	1.674	0.949	F 28.26
Stddev	.010	.2	.09	.18	.003	.0003	.014	.0008	.05
%RSD	.3338	.1698	.7326	1.697	.1998	8.441	.8486	.8189	.1905
#1	2.968	135.0	12.46	10.57	1.688	.0038	1.690	.0952	28.32
#2	2.948	135.4	12.60	10.94	1.687	.0045	1.663	.0956	28.24
#3	2.959	134.9	12.63	10.76	1.693	.0040	1.669	.0941	28.23
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.539	-0.024	3.024	0.561	4.311	3.930	-0.183	3.584	6.362
Stddev	.0042	.0026	.005	.0009	.0006	.005	.0055	.0004	.0016
%RSD	7.884	108.7	.1561	1.598	.1365	.1176	30.21	.1111	.2443
#1	.0585	-.0019	3.029	.0551	.4310	3.934	-.0120	.3588	.6380
#2	.0530	-.0001	3.024	.0567	.4317	3.931	-.0207	.3582	.6353
#3	.0502	-.0053	3.020	.0565	.4306	3.925	-.0222	.3580	.6352
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2672.0	5066.4	43177.	3418.2					
Stddev	6.3	11.6	75.	9.7					
%RSD	.23574	.22915	.17268	.28446					
#1	2667.1	5053.8	43129.	3407.4					
#2	2679.1	5076.7	43263.	3421.1					
#3	2669.9	5068.8	43139.	3426.2					

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Sample Name: FA32306-34 Acquired: 4/25/2016 16:04:37 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.014	292.7	0.277	2.037	0.048	34.40	-0.023	0.560	4.028
Stddev	.0015	.5	.0003	.006	.0004	.10	.0003	.0005	.0023
%RSD	102.3	.1632	1.016	.2754	8.281	.2897	13.54	.8962	.5633
#1	.0001	292.3	.0274	2.035	.0051	34.37	-.0020	.0557	4.007
#2	-.0029	292.2	.0279	2.043	.0050	34.52	-.0026	.0565	4.052
#3	-.0015	292.6	.0278	2.032	.0044	34.33	-.0021	.0556	4.026
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.014	230.7	13.85	15.64	2.953	0.069	2.973	2.140	2.425
Stddev	.0008	.5	.24	.12	.007	.0001	.037	.0006	.0030
%RSD	1.011	.2158	1.716	.7559	.2450	1.738	1.245	.2571	1.228
#1	.0820	230.9	13.58	15.77	2.960	.0070	2.937	.2145	2.436
#2	.0805	231.0	14.03	15.59	2.952	.0068	2.972	.2134	2.392
#3	.0817	230.1	13.94	15.55	2.946	.0069	3.011	.2141	2.448
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.033	-0.057	3.147	0.461	5.283	5.958	-0.125	5.621	1.483
Stddev	.0083	.0025	.005	.0018	.0012	.013	.0074	.0007	.0009
%RSD	251.4	43.11	.1684	3.817	.2213	.2130	59.51	1.298	.5923
#1	.0009	-.0055	3.150	.0453	.5276	5.966	-.0209	.5629	.1489
#2	-.0129	-.0083	3.141	.0449	.5296	5.966	-.0093	.5616	.1473
#3	.0021	-.0033	3.150	.0481	.5276	5.944	-.0072	.5618	.1488
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2621.8	5120.5	43254.	3390.9					
Stddev	5.3	10.5	316.	10.2					
%RSD	.20149	.20492	.73140	.30039					
#1	2617.2	5109.4	42945.	3388.7					
#2	2627.6	5130.3	43240.	3381.9					
#3	2620.7	5121.8	43577.	3401.9					

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7.2
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Sample Name: MP30271-D2 Acquired: 4/25/2016 16:08:58 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	225.4	0.557	1.113	0.057	40.06	-0.010	0.528	4.588
Stddev	.0007	1.7	.0023	.008	.0003	.13	.0002	.0003	.0024
%RSD	122.0	.7587	4.155	.6937	5.350	.3277	19.40	.6490	.5192
#1	-.0002	223.5	.0575	1.105	.0057	39.94	-.0008	.0528	4.584
#2	-.0001	226.6	.0531	1.121	.0054	40.05	-.0012	.0532	4.613
#3	-.0014	226.2	.0564	1.114	.0060	40.20	-.0009	.0525	4.566
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.790	195.7	21.80	33.11	3.822	0.024	2.899	2.656	1.106
Stddev	.0010	.9	.21	.27	.006	.0006	.056	.0007	.007
%RSD	.5773	.4737	.9576	.8066	.1538	24.52	1.944	.2731	.6149
#1	.1802	194.7	21.57	32.81	3.829	.0018	2.843	.2661	1.111
#2	.1789	196.1	21.95	33.33	3.818	.0023	2.956	.2647	1.108
#3	.1781	196.4	21.89	33.19	3.819	.0030	2.898	.2658	1.098
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.004	-0.054	2.822	0.378	5.445	6.768	-0.133	3.923	4.034
Stddev	.0012	.0066	.011	.0005	.0048	.009	.0064	.0031	.0011
%RSD	281.9	121.4	.3764	1.262	.8747	.1251	48.13	.7876	.2848
#1	-.0009	.0000	2.810	.0383	.5391	6.776	-.0065	.3904	4.046
#2	.0007	-.0128	2.829	.0374	.5481	6.770	-.0140	.3907	4.030
#3	.0014	-.0035	2.827	.0376	.5464	6.759	-.0192	.3959	4.024
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2630.0	5130.1	43348.	3362.8					
Stddev	6.4	6.9	76.	17.2					
%RSD	.24448	.13464	.17511	.51018					
#1	2622.8	5122.7	43267.	3378.4					
#2	2631.9	5131.2	43418.	3365.7					
#3	2635.3	5136.3	43358.	3344.4					

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Sample Name: CRIA Acquired: 4/25/2016 16:13:17 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.094	2.091	0.097	2.082	0.048	1.074	0.053	0.552	0.105
Stddev	.0001	.0042	.0000	.0009	.0001	.008	.0001	.0002	.0002
%RSD	1.451	2.010	.3392	4.394	1.171	.7036	1.244	.3780	2.209
#1	.0095	.2058	.0097	.2085	.0048	1.075	.0053	.0550	.0106
#2	.0094	.2138	.0097	.2090	.0049	1.081	.0054	.0554	.0102
#3	.0092	.2076	.0097	.2072	.0048	1.066	.0052	.0551	.0106
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.270	3.213	10.32	5.298	0.165	0.509	10.35	0.446	0.053
Stddev	.0004	.0071	.05	.018	.0001	.0001	.06	.0005	.0005
%RSD	1.588	2.210	.4993	.3442	.6270	.2437	6.257	1	

Sample Name: ICESA Acquired: 4/25/2016 16:17:44 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	F 509.4	-0.002	-0.005	-0.004	F 502.7	-0.001	-0.003	-0.006
Stddev	.002	10.6	.0005	.0002	.0001	4.6	.0003	.0001	.0002
%RSD	50.79	2.079	21.95	30.37	17.06	.9239	295.2	18.19	27.12
#1	-0.005	519.0	-0.0021	-0.006	-0.004	507.7	-0.005	-0.004	-0.005
#2	-0.002	498.1	-0.0017	-0.003	-0.003	498.5	.0000	-0.003	-0.008
#3	-0.002	511.2	-0.0027	-0.005	-0.004	501.9	.0001	-0.003	-0.006
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.006	190.2	.0707	F 534.6	-0.008	-0.001	.1293	.0005	-0.036
Stddev	.005	3.3	.0494	9.1	.0001	.0001	.0126	.0002	.0025
%RSD	90.32	1.752	69.90	1.695	10.14	208.8	9.767	42.63	70.61
#1	.0012	194.0	.0808	545.1	-0.008	.0001	.1415	.0004	-0.060
#2	.0003	188.1	.0170	528.8	-0.008	-0.001	.1163	.0008	-0.009
#3	.0003	188.5	.1143	530.0	-0.007	-0.001	.1302	.0003	-0.038
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0007	-0.003	.0629	.0014	-0.003	.0000	-0.0018	.0009	-0.025
Stddev	.0036	.0020	.0011	.0006	.0001	.0001	.0023	.0001	.0003
%RSD	500.2	59.25	1.822	42.52	33.52	185.2	123.3	5.754	10.79
#1	.0014	-0.0012	.0618	.0010	-0.002	.0001	-0.0041	.0009	-0.028
#2	.0039	-0.0037	.0628	.0020	-0.003	.0000	.0004	.0008	-0.023
#3	-0.0031	-0.0050	.0641	.0010	-0.004	.0000	-0.0018	.0009	-0.023
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2058.2	4444.2	3680.7	3104.7					
Stddev	5.5	6.0	134.	40.8					
%RSD	.26692	.13511	.36472	1.3156					
#1	2052.4	4439.6	36935.	3058.4					
#2	2063.4	4442.0	36667.	3135.7					
#3	2058.7	4451.0	36820.	3120.0					

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Sample Name: ICESAB Acquired: 4/25/2016 16:22:24 Type: Unk
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F 1.059	F 509.4	1.100	.5362	.5228	497.7	.9809	.4855	.5205
Stddev	.001	3.1	.006	.0023	.0019	1.9	.0003	.0006	.0017
%RSD	.1231	.6116	.5681	.4267	.3639	.3763	.0257	.1150	.3331
#1	1.060	505.8	1.093	.5360	.5221	499.8	.9807	.4849	.5187
#2	1.058	510.8	1.103	.5387	.5214	496.8	.9811	.4855	.5207
#3	1.059	511.6	1.105	.5341	.5250	496.4	.9811	.4861	.5221
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5558	191.0	.0467	F 531.4	.5193	.9629	.1423	.9736	.9873
Stddev	.020	.6	.0140	1.4	.0011	.0008	.0041	.0010	.0021
%RSD	.3684	.3196	29.97	.2717	.2212	.0815	2.853	.0998	.2143
#1	.5581	190.6	.0387	529.8	.5180	.9623	.1383	.9725	.9865
#2	.5541	190.8	.0385	532.3	.5202	.9625	.1422	.9740	.9857
#3	.5553	191.7	.0628	532.3	.5197	.9638	.1464	.9744	.9897
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.033	1.044	.0984	.9544	1.040	1.018	.9659	.4829	.9864
Stddev	.002	.004	.0010	.0015	.002	.000	.0026	.0002	.0007
%RSD	.1796	.3819	.9993	.1566	.1911	.0436	.2743	.0497	.0745
#1	1.031	1.047	.0974	.9536	1.041	1.018	.9648	.4828	.9859
#2	1.035	1.047	.0983	.9535	1.038	1.018	.9689	.4832	.9861
#3	1.032	1.040	.0994	.9561	1.041	1.019	.9639	.4827	.9873
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2012.4	4376.6	3640.5	3072.5					
Stddev	3.9	2.0	49.	6.7					
%RSD	.19587	.04679	.13440	.21782					
#1	2012.5	4377.7	36426.	3076.3					
#2	2016.4	4378.0	36349.	3076.4					
#3	2008.5	4374.3	36440.	3064.8					

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7.2
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Sample Name: CCV Acquired: 4/25/2016 16:26:53 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2519	40.48	2.019	2.015	2.028	41.03	2.045	2.044	2.032
Stddev	.0006	.26	.001	.018	.012	.28	.002	.001	.005
%RSD	.2223	.6329	.0442	.9162	.5972	.6892	.0864	.0345	.2316
#1	.2525	40.29	2.018	1.999	2.024	40.81	2.046	2.044	2.026
#2	.2513	40.77	2.020	2.036	2.042	41.35	2.045	2.043	2.034
#3	.2519	40.37	2.019	2.011	2.019	40.94	2.043	2.044	2.035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.015	39.78	40.30	40.77	2.044	2.022	40.28	2.048	2.023
Stddev	.002	.25	.23	.18	.005	.002	.30	.002	.002
%RSD	.0826	.6184	.5680	.4304	.2457	.0776	.7553	.0743	.0724
#1	2.015	39.60	40.07	40.63	2.039	2.021	40.20	2.048	2.021
#2	2.013	40.06	40.53	40.97	2.049	2.021	40.62	2.049	2.024
#3	2.016	39.67	40.29	40.71	2.043	2.024	40.03	2.046	2.023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.034	2.045	1.455	2.062	1.995	2.033	2.042	2.014	2.045
Stddev	.006	.001	.003	.003	.016	.003	.004	.004	.004
%RSD	.2843	.0512	.2179	.1225	.7962	.1366	.1953	.2131	.2195
#1	2.027	2.044	1.452	2.063	1.979	2.031	2.046	2.010	2.050
#2	2.037	2.045	1.456	2.059	2.011	2.036	2.038	2.019	2.041
#3	2.037	2.046	1.459	2.064	1.996	2.032	2.041	2.014	2.044
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 4/25/2016 16:26:53 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2334.9	4788.5	4105.7	3277.2					
Stddev	4.6	6.3	101.	27.6					
%RSD	.19913	.13219	.24662	.84091					
#1	2340.1	4795.8	4101.0	3296.0					
#2	2333.6	4784.6	4117.3	3245.6					
#3	2331.1	4785.1	4098.8	3290.1					

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Sample Name: CCB Acquired: 4/25/2016 16:31:05 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Units, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: CCB Acquired: 4/25/2016 16:31:05 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: ALSIC Acquired: 4/25/2016 16:35:37 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 9 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
High Limit
Low Limit

Table with 9 columns: Elem, Units, Cr2677, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None
High Limit
Low Limit

Table with 9 columns: Elem, Units, Ni2316, Pb2203, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Fail Chk Fail Chk Fail None Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: ALSIC Acquired: 4/25/2016 16:35:37 Type: QC
Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 4 columns: Elem, Units, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Fail Chk Pass Chk Pass
High Limit
Low Limit

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: CASIC Acquired: 4/25/2016 16:40:12 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	F .1254	-0.017	.0007	-0.004	499.9	-0.002	-0.003
Stddev	.0002	.0239	.0006	.0001	.0001	3.0	.0001	.0001
%RSD	84.16	19.03	32.89	9.669	25.78	.6077	57.23	24.00
#1	-0.003	.1520	-0.018	.0006	-0.005	501.0	-0.001	-0.003
#2	-0.001	.1181	-0.011	.0008	-0.003	502.1	-0.003	-0.004
#3	-0.006	.1060	-0.023	.0007	-0.004	496.4	-0.001	-0.002
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.0250						
Low Limit		-.0250						
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.005	.0001	.0221	-0.004	.0035	.0000	-0.004	.0275
Stddev	.0002	.0002	.0015	.0223	.0152	.0000	.0001	.0082
%RSD	38.18	304.8	6.592	503.8	433.6	38.71	20.30	29.67
#1	-0.006	.0001	.0214	.0064	.0090	.0000	-0.003	.0318
#2	-0.003	.0003	.0210	-.0301	-.0137	.0000	-0.005	.0326
#3	-0.006	-0.001	.0237	.0104	.0152	.0000	-0.004	.0181
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None
High Limit								
Low Limit								
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.008	-0.014	F .0028	.0125	-0.004	F -.0011	-0.005
Stddev	.0004	.0011	.0010	.0020	.0003	.0002	.0001	.0000
%RSD	483.7	130.5	53.37	70.22	2.676	65.03	5.427	5.948
#1	.0000	-.0014	-.0030	.0013	.0122	-.0005	-.0011	-.0005
#2	-.0005	.0004	-.0010	.0021	.0128	-.0005	-.0012	-.0004
#3	.0003	-.0016	-.0016	.0051	.0124	-.0001	-.0011	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Fail	Chk Pass
High Limit				.0020			.0010	
Low Limit				-.0020			-.0010	

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Sample Name: CASIC Acquired: 4/25/2016 16:40:12 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Tl1908	V_2924	Zn2062	
Units	ppm	ppm	ppm	
Avg	-0.008	-0.006	-0.014	
Stddev	.0004	.0001	.0001	
%RSD	42.67	8.644	9.363	
#1	-0.012	-0.006	-0.016	
#2	-0.008	-0.006	-0.013	
#3	-0.005	-0.005	-0.014	
Check ?	Chk Pass	Chk Pass	Chk Pass	
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2239.0	4492.8	38199	3257.2
Stddev	5.8	5.9	113.	12.6
%RSD	.25901	.13205	.29569	.38581
#1	2237.2	4491.1	38186.	3260.3
#2	2245.5	4499.5	38092.	3243.4
#3	2234.3	4488.0	38317.	3268.0

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7.2
7

Sample Name: FESIC Acquired: 4/25/2016 16:44:52 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0014	.0008	-0.014	F -.0014	-0.005	F .1528	.003	-0.005
Stddev	.0002	.0051	.0007	.0002	.0000	.0112	.0001	.0001
%RSD	11.52	625.8	51.03	13.65	8.080	7.345	19.24	14.70
#1	-.0016	-.0050	-.0006	-.0017	-.0005	.1638	.0004	-.0004
#2	-.0014	.0040	-.0017	-.0013	-.0004	.1533	.0002	-.0005
#3	-.0013	.0035	-.0019	-.0014	-.0005	.1414	.0004	-.0005
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	.0010			.0010		.1000		
Low Limit	-.0010			-.0010		-.1000		
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	F .0021	194.6	-0.0290	-0.0375	-0.008	-0.002	.0284
Stddev	.0001	.0002	.6	.0325	.0351	.0000	.0001	.0041
%RSD	13.47	11.88	.3266	112.4	93.44	.9636	35.06	14.58
#1	.0008	.0018	194.9	-.0658	-.0762	-.0009	-.0002	.0296
#2	.0009	.0023	195.1	-.0042	-.0079	-.0008	-.0002	.0238
#3	.0007	.0021	193.9	-.0169	-.0284	-.0008	-.0003	.0318
Check ?	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None
High Limit		.0020						
Low Limit		-.0020						
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	F -.0053	.0006	F -.0092	.0445	.0008	-0.004	-0.008
Stddev	.0002	.0005	.0013	.0009	.0005	.0003	.0001	.0001
%RSD	64.93	8.634	209.3	9.318	1.050	30.39	18.21	7.686
#1	-.0001	-.0058	.0021	-.0091	.0444	.0009	-.0005	-.0008
#2	-.0002	-.0052	-.0002	-.0100	.0449	.0005	-.0004	-.0007
#3	-.0004	-.0049	.0000	-.0083	.0440	.0010	-.0004	-.0007
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit		.0010		.0020				
Low Limit		-.0010		-.0020				

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Sample Name: FESIC Acquired: 4/25/2016 16:44:52 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Tl1908	V_2924	Zn2062	
Units	ppm	ppm	ppm	
Avg	F .0039	F .0017	.0049	
Stddev	.0003	.0003	.0001	
%RSD	8.703	17.28	1.431	
#1	.0041	.0018	.0049	
#2	.0040	.0014	.0049	
#3	.0035	.0020	.0048	
Check ?	Chk Fail	Chk Fail	Chk Pass	
High Limit	.0020	.0010		
Low Limit	-.0020	-.0010		
Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2680.8	4918.0	42234.	3347.5
Stddev	1.3	10.2	218.	10.8
%RSD	.04906	.20651	.51620	.32205
#1	2682.3	4912.3	41983.	3340.9
#2	2679.9	4929.7	42344.	3341.7
#3	2680.3	4912.0	42375.	3360.0

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Sample Name: MGSIC Acquired: 4/25/2016 16:49:21 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	.0078	-0.0015	-0.0001	-0.0003	F .1013	-0.0002	-0.0002
Stddev	.0005	.0036	.0002	.0002	.0000	.0034	.0001	.0001
%RSD	65.87	46.05	10.29	215.0	11.22	3.356	40.73	30.76

#1	.0013	.0082	-0.014	-0.002	-0.003	.1032	-0.003	-0.003
#2	.0008	.0040	-0.015	-0.002	-0.004	.1032	-0.002	-0.003
#3	.0003	.0112	-0.017	.0001	-0.004	.0973	-0.001	-0.001

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.1000		
Low Limit						-.1000		

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	-0.0002	.0489	-0.0235	542.1	.0000	F -.0010	.0246
Stddev	.0003	.0002	.0077	.0331	1.3	.0001	.0001	.0042
%RSD	92.02	125.7	15.86	140.6	.2358	151.8	12.41	17.18

#1	-0.0005	-0.0004	.0571	-0.0066	542.8	.0000	-0.0010	.0214
#2	-0.0003	.0001	.0479	-0.0023	542.7	.0000	-0.0012	.0294
#3	.0000	-0.0002	.0417	-0.0616	540.6	.0001	-0.0009	.0231

Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None
High Limit							.0010	
Low Limit							-.0010	

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	F .0014	.0003	.0001	.0064	.0002	-0.0003	-0.0003
Stddev	.0001	.0006	.0005	.0006	.0003	.0001	.0001	.0001
%RSD	51.52	42.13	174.1	694.5	4.669	63.24	25.31	31.04

#1	-0.0001	.0017	-0.0003	.0007	.0066	.0002	-0.0003	-0.0002
#2	-0.0003	.0007	.0007	-0.0001	.0061	.0003	-0.0002	-0.0003
#3	-0.0003	.0019	.0004	-0.0004	.0065	.0001	-0.0003	-0.0004

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit		.0010						
Low Limit		-.0010						

Sample Name: MGSIC Acquired: 4/25/2016 16:49:21 Type: QC
 Method: 60102007_042011(v79) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	-0.0009	F -.0012	.0034
Stddev	.0006	.0002	.0000
%RSD	70.74	17.44	1.373

#1	-0.0002	-0.0013	.0033
#2	-0.0012	-0.0014	.0034
#3	-0.0013	-0.0010	.0034

Check ?	Chk Pass	Chk Fail	Chk Pass
High Limit		.0010	
Low Limit		-.0010	

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2250.1	4511.2	3837.2	3263.7
Stddev	2.8	1.3	95.	23.1
%RSD	.12661	.02775	.24816	.70733

#1	2253.0	4512.6	3837.7	3241.5
#2	2250.1	4510.3	3846.5	3262.0
#3	2247.3	4510.6	3827.5	3287.5

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000009	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000077	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000005	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000091	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000000	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000016	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000110	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000010	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000041	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000058	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000025	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	0.000028	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000035	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	-0.000013	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000007	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	-0.000186	0.588699	0.000000	1.000000
Al 396.152 { 85}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.002556	0.232108	0.000000	1.000000
As 189.042 {478}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	-0.000686	0.158435	0.000000	1.000000
Ba 455.403 { 74}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.004705	9.361625	0.000000	1.000000
Be 313.042 {108}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.004159	10.848845	0.000000	1.000000
Ca 317.933 {106}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.007266	0.255004	0.000000	1.000000
Cd 226.502 {449}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	-0.000354	4.399772	0.000000	1.000000
Co 228.616 {447}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.000051	2.491740	0.000000	1.000000
Cr 267.716 {126}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	-0.000072	0.500723	0.000000	1.000000
Cu 324.754 {104}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.006803	0.916554	0.000000	1.000000
Fe 259.940 {130}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.002268	0.158094	0.000000	1.000000
In 230.606 {446}*	4/25/2016 10:02:01	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	-0.004222	0.104075	0.000000	1.000000
Mg 279.079 {121}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.000013	0.025635	0.000000	1.000000
Mn 257.610 {131}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.001380	2.630031	0.000000	1.000000
Mo 202.030 {467}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.001304	0.992446	0.000000	1.000000
Na 589.592 { 57}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	-0.006897	0.418887	0.000000	1.000000
Ni 231.604 {445}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	-0.000142	1.464032	0.000000	1.000000
Pb 220.353 {453}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.000380	0.762795	0.000000	1.000000
Sb 206.833 {463}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.000851	0.233516	0.000000	1.000000
Se 196.090 {472}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	-0.000027	0.110395	0.000000	1.000000
Si 212.412 {459}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.005014	0.427575	0.000000	1.000000
Sn 189.989 {477}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.000509	0.346787	0.000000	1.000000
Sr 407.771 { 83}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.007307	16.799602	0.000000	1.000000
Ti 334.941 {101}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.002320	1.947299	0.000000	1.000000
Tl 190.856 {477}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	-0.001314	0.244906	0.000000	1.000000
V 292.402 {115}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	-0.000356	0.666539	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	4/25/2016 10:02:01	4/25/2016 9:28:20	Linear	1/Conc	0.001501	2.035123	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999997	0.000013	0.000334	0.001113	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999830	0.006909	0.008349	0.027831	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999908	0.000173	0.000886	0.002952	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999939	0.008299	0.000262	0.000873	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999979	0.005618	0.000072	0.000240	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999904	0.005701	0.003545	0.011817	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999961	0.003135	0.000051	0.000168	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999963	0.001730	0.000099	0.000330	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999939	0.000446	0.000242	0.000807	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999982	0.000437	0.000199	0.000663	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999832	0.004664	0.002919	0.009731	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999810	0.003269	0.032633	0.108778	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999818	0.000788	0.022882	0.076274	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999835	0.003851	0.000040	0.000134	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999984	0.000449	0.000141	0.000471	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999810	0.013153	0.008442	0.028139	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999954	0.001127	0.000173	0.000576	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999854	0.001052	0.000618	0.002058	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999965	0.000157	0.000954	0.003180	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999956	0.000084	0.001808	0.006026	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.980269	0.006944	0.000375	0.001251	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999814	0.000539	0.000342	0.001138	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999992	0.005574	0.000093	0.000310	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999883	0.002401	0.000095	0.000317	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999969	0.000156	0.001114	0.003713	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999988	0.000262	0.000232	0.000772	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999978	0.001076	0.000081	0.000268	OK	1.000000	0.000000	1	0

Sample Name: Blank Acquired: 4/26/2016 8:59:55 Type: Cal
Method: 60102007_042011(v81) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0000	.0048	-0.0007	.0077	.0062	.0080	-0.0007	-0.0005	.0001
Stddev	.0000	.0007	.0000	.0018	.0018	.0010	.0003	.0003	.0000
%RSD	199.7	15.12	2.239	22.83	28.55	12.89	45.28	56.75	81.35
#1	.0001	.0045	-0.0006	.0060	.0047	.0090	-0.0004	-0.0002	.0000
#2	.0000	.0056	-0.0007	.0077	.0058	.0070	-0.0008	-0.0005	.0000
#3	.0000	.0042	-0.0007	.0095	.0082	.0081	-0.0010	-0.0008	.0001

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0066	.0031	-0.0069	.0000	.0015	.0014	.0005	-0.0004	.0007
Stddev	.0001	.0005	.0011	.001	.0003	.0003	.0030	.0001	.0003
%RSD	1.555	15.79	16.54	1967.	21.76	20.95	552.6	31.54	40.71
#1	.0067	.0031	-0.0073	-0.0004	.0018	.0017	-0.0029	-0.0002	.0010
#2	.0065	.0035	-0.0056	-0.0005	.0014	.0015	.0020	-0.0004	.0006
#3	.0065	.0026	-0.0078	-0.0002	.0012	.0011	.0025	-0.0004	.0005

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0009	-0.0002	.0048	.0004	.0100	.0025	-0.0014	-0.0004	.0012
Stddev	.0002	.0002	.0001	.0000	.0007	.0003	.0004	.0003	.0003
%RSD	16.44	92.31	2.296	10.57	6.538	11.59	26.89	38.73	20.63
#1	.0011	.0000	.0049	.0005	.0093	.0028	-0.0010	-0.0003	.0015
#2	.0008	-0.0004	.0047	.0004	.0101	.0024	-0.0018	-0.0003	.0010
#3	.0009	-0.0003	.0049	.0004	.0106	.0022	-0.0015	-0.0006	.0011

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2634.5	4814.8	41730.	3755.4
Stddev	3.3	10.7	57.	26.2
%RSD	.12616	.22157	.13685	.69780
#1	2637.1	4827.1	41679.	3771.1
#2	2635.8	4810.1	41791.	3725.1
#3	2630.8	4807.4	41720.	3769.9

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Sample Name: LowStd Acquired: 4/26/2016 9:03:55 Type: Cal
Method: 60102007_042011(v81) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0342	2.083	.0733	4.308	5.189	2.251	2.211	1.253	2.485
Stddev	.0005	.007	.0002	.018	.014	.008	.003	.001	.0013
%RSD	1.412	.3265	.3024	.4259	.2656	.3635	.1121	.1118	.5048
#1	.0337	2.088	.0735	4.313	5.205	2.243	2.212	1.252	2.491
#2	.0346	2.086	.0732	4.322	5.179	2.259	2.208	1.252	2.493
#3	.0344	2.075	.0731	4.287	5.184	2.251	2.213	1.254	2.470

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4359	1.626	.8856	.2235	1.329	.5088	3.788	.7463	.3636
Stddev	.0018	.004	.0018	.0014	.006	.0004	.010	.0012	.0014
%RSD	.4234	.2678	.2072	.6054	.4281	.0708	.2752	.1555	.3953
#1	.4367	1.628	.8851	.2228	1.329	.5085	3.799	.7469	.3624
#2	.4373	1.629	.8876	.2250	1.335	.5092	3.788	.7470	.3631
#3	.4338	1.621	.8840	.2226	1.323	.5089	3.778	.7449	.3652

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1113	.0513	.1847	.1808	8.207	1.006	.1187	.3352	1.022
Stddev	.0002	.0002	.0004	.0004	.039	.004	.0001	.0010	.002
%RSD	.2093	.4802	.1895	.2004	.4768	.3823	.0576	.2944	.2284
#1	.1114	.0514	.1851	.1804	8.246	1.008	.1187	.3359	1.022
#2	.1111	.0510	.1845	.1811	8.207	1.009	.1186	.3356	1.019
#3	.1115	.0514	.1845	.1810	8.168	1.002	.1187	.3340	1.023

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2472.2	4775.6	41282.	3769.7
Stddev	3.5	5.4	107.	10.6
%RSD	.14356	.11221	.25951	.28218
#1	2475.9	4775.4	41243.	3781.1
#2	2468.8	4770.3	41199.	3760.0
#3	2471.9	4781.0	41403.	3768.0

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7.3
7

Sample Name: MidStd Acquired: 4/26/2016 9:07:19 Type: Cal
Method: 60102007_042011(v81) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1367	8.969	3.093	18.18	21.43	9.553	8.994	5.073	1.008
Stddev	.0001	.056	.0003	.13	.05	.064	.012	.004	.001
%RSD	.0454	.6289	.0946	.7139	.2229	.6731	.1355	.0889	.0659
#1	.1367	8.991	3.096	18.23	21.44	9.595	9.005	5.077	1.009
#2	.1367	9.011	3.093	18.27	21.47	9.586	8.996	5.074	1.008
#3	.1368	8.905	3.090	18.03	21.37	9.479	8.981	5.068	1.008

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.772	6.075	3.865	9.582	5.356	2.000	16.49	3.002	1.546
Stddev	.002	.026	.026	.0061	.009	.002	.06	.005	.004
%RSD	.0917	.4210	.6616	.6349	.1683	.1110	.3885	.1644	.2931
#1	1.770	6.086	3.876	.9605	5.364	2.001	16.51	3.004	1.546
#2	1.773	6.094	3.884	.9627	5.357	2.002	16.54	3.005	1.551
#3	1.773	6.046	3.836	.9513	5.346	1.998	16.42	2.996	1.542

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4615	.2140	.6115	.7045	32.67	3.965	4.977	1.331	4.139
Stddev	.0006	.0004	.0010	.0011	.21	.005	.0019	.003	.008
%RSD	.1334	.1942	.1645	.1629	.6282	.1268	.3838	.2336	.1951
#1	.4620	.2137	.6124	.7051	32.68	3.970	4.986	1.334	4.139
#2	.4608	.2145	.6117	.7052	32.87	3.965	4.990	1.330	4.148
#3	.4615	.2138	.6105	.7032	32.46	3.960	4.955	1.328	4.131

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2245.7	4628.3	40078.	3763.8
Stddev	.8	1.7	59.	20.3
%RSD	.03592	.03588	.14838	.53908
#1	2245.1	4629.7	40146.	3755.1
#2	2245.3	4628.8	40048.	3749.3
#3	2246.6	4626.5	40040.	3787.0

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Sample Name: HighStd Acquired: 4/26/2016 9:10:34 Type: Cal
Method: 60102007_042011(v81) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2705	17.73	6.113	36.04	41.89	18.71	17.37	9.835	1.959
Stddev	.0002	.06	.0012	.17	.21	.08	.05	.017	.005
%RSD	.0853	.3415	.1953	.4656	.4976	.4486	.2704	.1737	.2659
#1	.2703	17.80	6.121	36.21	42.13	18.81	17.42	9.854	1.955
#2	.2704	17.68	6.118	35.88	41.83	18.68	17.35	9.828	1.957
#3	.2707	17.70	6.099	36.05	41.73	18.65	17.33	9.823	1.965

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.494	12.11	7.679	1.893	10.22	3.934	32.60	5.787	3.082
Stddev	.005	.04	.018	.007	.04	.006	.13	.012	.013
%RSD	.1483	.3172	.2313	.3864	.3603	.1489	.3928	.2096	.4193
#1	3.499	12.16	7.699	1.901	10.26	3.940	32.75	5.801	3.087
#2	3.489	12.08	7.671	1.892	10.19	3.933	32.50	5.782	3.091
#3	3.493	12.10	7.666	1.886	10.22	3.928	32.56	5.778	3.067

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.9105	.4206	1.932	1.351	64.16	7.672	.		

Sample Name: HSTD Acquired: 4/26/2016 9:14:34 Type: QC
 Method: 60102007_042011(v81) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5036	81.79	3.989	4.070	4.036	81.73	3.961	3.981	4.001
Stddev	.0024	.07	.013	.014	.004	.30	.009	.007	.012
%RSD	.4779	.0816	.3359	.3524	.1107	.3692	.2322	.1748	.2878

#1	.5023	81.85	3.978	4.085	4.041	82.06	3.959	3.978	4.010
#2	.5064	81.79	4.004	4.068	4.035	81.46	3.971	3.989	4.004
#3	.5021	81.72	3.985	4.056	4.032	81.66	3.953	3.976	3.988

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.026	80.83	82.32	82.18	3.938	3.992	81.19	3.945	4.037
Stddev	.009	.13	.18	.14	.030	.009	.07	.011	.003
%RSD	.2287	.1663	.2246	.1727	.7536	.2287	.0867	.2877	.0800

#1	4.031	80.98	82.53	82.33	3.961	3.988	81.27	3.940	4.039
#2	4.032	80.73	82.20	82.04	3.948	4.002	81.14	3.958	4.037
#3	4.016	80.77	82.22	82.17	3.905	3.985	81.15	3.937	4.033

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.987	3.991	4.602	3.957	4.084	3.946	3.996	3.989	3.947
Stddev	.015	.008	.009	.009	.042	.018	.007	.007	.013
%RSD	.3816	.1945	.1938	.2354	1.031	.4497	.1673	.1861	.3320

#1	3.975	3.984	4.593	3.961	4.117	3.928	3.999	3.997	3.949
#2	4.004	4.000	4.611	3.963	4.036	3.945	3.989	3.987	3.960
#3	3.984	3.991	4.601	3.946	4.097	3.963	4.002	3.983	3.934

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 4/26/2016 9:14:34 Type: QC
 Method: 60102007_042011(v81) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2081.9	4489.3	38884.	3612.0
Stddev	5.2	6.6	130.	14.4
%RSD	.24875	.14670	.33483	.39777

#1	2082.8	4496.8	38764.	3620.7
#2	2086.5	4484.3	38866.	3619.9
#3	2076.3	4486.9	39022.	3595.4

Sample Name: ICV Acquired: 4/26/2016 9:22:33 Type: QC
 Method: 60102007_042011(v81) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2456	41.16	1.995	2.072	2.057	41.98	2.035	2.044	2.025
Stddev	.0008	.13	.006	.008	.009	.16	.004	.002	.008
%RSD	.3318	.3244	.3088	.4010	.4126	.3705	.2061	.0782	.3921

#1	.2464	41.29	1.996	2.079	2.062	42.15	2.040	2.045	2.024
#2	.2448	41.02	1.988	2.063	2.047	41.85	2.034	2.043	2.033
#3	.2454	41.15	2.000	2.073	2.062	41.93	2.032	2.042	2.018

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.997	41.42	41.90	42.24	2.081	1.932	41.81	2.051	2.015
Stddev	.004	.19	.19	.14	.010	.002	.18	.003	.002
%RSD	.2258	.4597	.4520	.3303	.4757	.0763	.4197	.1351	.0974

#1	2.002	41.56	42.11	42.36	2.080	1.932	41.91	2.054	2.016
#2	1.993	41.20	41.75	42.09	2.092	1.932	41.61	2.049	2.016
#3	1.996	41.51	41.83	42.28	2.072	1.930	41.91	2.050	2.012

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.008	2.039	.1021	2.060	1.976	1.964	2.072	1.909	2.053
Stddev	.002	.006	.0004	.006	.009	.004	.001	.004	.008
%RSD	.1102	.3029	.4264	.3136	.4513	.2012	.0603	.2072	.4001

#1	2.010	2.035	.1019	2.066	1.984	1.966	2.073	1.912	2.062
#2	2.009	2.037	.1026	2.060	1.967	1.967	2.072	1.910	2.045
#3	2.006	2.047	.1018	2.053	1.977	1.960	2.070	1.904	2.051

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 4/26/2016 9:22:33 Type: QC
 Method: 60102007_042011(v81) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2247.6	4633.0	40070.	3736.4
Stddev	5.5	4.2	197.	16.1
%RSD	.24553	.09169	.49140	.43114

#1	2252.8	4637.9	40264.	3718.2
#2	2241.8	4630.7	39870.	3742.1
#3	2248.3	4630.3	40077.	3748.9

Sample Name: ICB Acquired: 4/26/2016 9:30:46 Type: QC
 Method: 60102007_042011(v81) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	-0.082	-0.002	-0.002	-0.001	-0.016	-0.001	.001	-0.001
Stddev	.0002	.0040	.0010	.0001	.0001	.0020	.0001	.0001	.0003
%RSD	46.12	49.14	458.5	80.56	130.9	128.0	93.24	128.5	455.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.005	-0.052	.0135	-0.101	-0.001	-0.003	-0.152	.0000	-0.009
Stddev	.0001	.0009	.0111	.0309	.0000	.0002	.0082	.000	.0005
%RSD	23.17	17.42	82.19	307.1	38.76	53.92	54.20	77.37	62.17

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.013	.0016	.0001	-0.003	-0.001	-0.001	.0010	.0000	-0.003
Stddev	.0002	.0004	.0002	.0005	.0000	.0001	.0006	.0001	.0001
%RSD	11.43	28.09	168.5	179.6	39.33	63.87	55.54	1123.	27.80

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 4/26/2016 9:30:46 Type: QC
 Method: 60102007_042011(v81) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2606.3	4791.9	41513.	3726.2
Stddev	3.4	5.2	119.	30.5
%RSD	.13009	.10807	.28613	.81753

#1 2604.5 4785.9 41626. 3691.1
 #2 2604.1 4794.7 41389. 3741.9
 #3 2610.2 4795.1 41526. 3745.6

Sample Name: CRIA Acquired: 4/26/2016 9:34:44 Type: QC
 Method: 60102007_042011(v81) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0088	.1987	.0100	.2078	.0047	1.064	.0054	.0549	.0106
Stddev	.0004	.0035	.0011	.0004	.0001	.009	.0000	.0002	.0002
%RSD	4.598	1.779	11.03	.1720	1.723	.8481	.5498	.2764	1.536

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0263	.3051	10.52	5.297	.0163	.0510	10.35	.0444	.0047
Stddev	.0000	.0053	.06	.037	.0001	.0001	.05	.0001	.0005
%RSD	.1379	1.729	5496	.6989	.7448	.2717	4633	.2526	10.06

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0048	.0119	.0511	.0551	.0100	.0101	.0103	.0501	.0233
Stddev	.0005	.0020	.0005	.0006	.0001	.0000	.0012	.0001	.0000
%RSD	10.18	17.00	9064	1.164	1.372	.2857	11.92	.1438	.2120

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 4/26/2016 9:34:44 Type: QC
 Method: 60102007_042011(v81) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2519.3	4774.8	41325.	3770.3
Stddev	5.0	8.3	186.	14.3
%RSD	.19868	.17299	.45045	.37898

#1 2515.5 4767.5 41394. 3754.0
 #2 2517.5 4773.1 41114. 3776.6
 #3 2525.0 4783.8 41466. 3780.4

Sample Name: ICSA Acquired: 4/26/2016 9:40:41 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.006	516.8	.0012	.0000	-0.0006	498.0	-0.0007	.0002	.0006
Stddev	.0002	6.5	.0014	.0001	.0001	1.8	.0001	.0004	.0001
%RSD	33.11	1.253	110.9	906.2	9.639	.3601	11.24	246.2	11.30

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.006	190.1	-0.347	539.1	-0.008	.0001	.1078	.0004	.0000
Stddev	.0003	.6	.0134	1.9	.0000	.0003	.0062	.0002	.004
%RSD	49.87	.2993	38.71	.3474	2.612	339.5	5.790	63.08	25490.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.016	.0603	F .0017	-0.0005	.0001	-0.0002	.0007	-0.0035
Stddev	.001	.0011	.0007	.0004	.0001	.0001	.0023	.0001	.0000
%RSD	4671.	66.99	1.179	25.63	28.48	87.24	1096.	21.58	1.403

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 4/26/2016 9:40:41 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1979.3	4321.4	36138.	3483.3
Stddev	3.1	11.0	20.	22.2
%RSD	.15678	.25561	.05535	.63623

#1 1977.0 4308.7 36116. 3508.7
 #2 1982.8 4327.1 36154. 3473.1
 #3 1978.0 4328.4 36146. 3468.1

Sample Name: ICSAB Acquired: 4/26/2016 9:46:44 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.047	515.5	1.074	.5341	.5243	504.8	.9591	.4769	.5204
Stddev	.001	.9	.006	.0012	.0010	1.3	.0018	.0007	.0026
%RSD	.0447	.1801	.5419	.2238	.1841	.2482	.1901	.1523	.5000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5492	191.8	-0.293	542.0	.5162	.9438	.1221	.9489	.9712
Stddev	.0010	.3	.0335	2.4	.0018	.0019	.0017	.0020	.0007
%RSD	.1749	.1810	114.4	.4419	.3422	.1995	1.422	.2112	.0750

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.003	1.010	.0963	.9359	1.060	1.005	.9519	.4763	.9572
Stddev	.001	.008	.0019	.0026	.003	.001	.0031	.0020	.0037
%RSD	.0914	.8311	1.950	.2738	.2852	.1192	.3226	.4124	.3848

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 4/26/2016 9:46:44 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1956.8	4323.4	36005.	3407.4
Stddev	5.6	6.0	74.	15.3
%RSD	.28468	.13893	.20658	.44854

#1 1952.7 4316.8 35947. 3397.6
 #2 1963.2 4328.5 35979. 3425.0
 #3 1954.6 4324.8 36089. 3399.7

Sample Name: CCV Acquired: 4/26/2016 9:52:25 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.501	40.86	2.002	2.003	2.040	41.47	2.044	2.031	2.059
Stddev	.0002	.13	.005	.004	.003	.19	.003	.002	.007
%RSD	.0817	.3066	.2504	.2201	.1376	.4474	.1245	.0867	.3501
#1	.2503	40.77	2.007	1.999	2.037	41.36	2.047	2.032	2.058
#2	.2498	40.81	2.003	2.003	2.039	41.36	2.042	2.031	2.051
#3	.2501	41.01	1.997	2.008	2.043	41.68	2.045	2.029	2.066

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.989	40.07	41.08	41.49	2.071	2.004	40.52	2.031	2.013
Stddev	.006	.13	.06	.18	.009	.001	.06	.002	.002
%RSD	.3114	.3197	.1363	.4337	.4387	.0422	.1418	.0974	.1213
#1	1.996	39.97	41.08	41.37	2.075	2.005	40.50	2.034	2.010
#2	1.986	40.02	41.03	41.41	2.060	2.004	40.48	2.030	2.013
#3	1.986	40.21	41.14	41.70	2.077	2.004	40.59	2.030	2.015

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.978	1.999	1.433	2.043	2.022	2.035	2.016	2.024	2.055
Stddev	.004	.005	.002	.002	.006	.005	.005	.006	.004
%RSD	.2189	.2648	.1109	.1167	.3211	.2573	.2562	.2810	.1979
#1	1.973	1.998	1.431	2.045	2.018	2.039	2.012	2.026	2.058
#2	1.982	2.005	1.434	2.041	2.019	2.029	2.016	2.018	2.050
#3	1.979	1.994	1.434	2.043	2.030	2.022	2.022	2.029	2.055

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 4/26/2016 9:52:25 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2274.7	4733.6	40255.	3687.0
Stddev	3.2	5.7	82.	21.9
%RSD	.14021	.11951	.20291	.59328
#1	2278.4	4737.4	40167.	3701.2
#2	2272.9	4727.1	40328.	3698.0
#3	2272.8	4736.3	40271.	3661.8

Sample Name: CCB Acquired: 4/26/2016 9:58:47 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	-0.069	.0000	-0.007	-0.004	0.013	-0.001	.0000	-0.002
Stddev	.0001	.0064	.001	.0001	.0000	.0068	.0000	.0000	.0001
%RSD	37.65	92.84	3050.	18.65	12.77	515.2	27.93	41.68	65.62
#1	-0.002	-0.028	.0007	-0.008	-0.004	.0057	-0.001	.0001	-0.002
#2	-0.005	-0.036	.0000	-0.007	-0.004	.0048	-0.001	.0000	-0.003
#3	-0.003	-0.143	-0.008	-0.006	-0.004	-0.065	-0.001	.0000	-0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.008	-0.030	.0091	-0.121	-0.003	-0.003	-0.021	.0001	-0.005
Stddev	.0001	.0016	.0237	.0118	.0001	.0001	.0066	.0002	.0002
%RSD	8.018	52.71	260.7	98.10	21.50	28.56	33.01	210.2	42.80
#1	-0.009	-0.041	.0353	-0.065	-0.002	-0.003	-0.0158	.0001	-0.006
#2	-0.007	-0.038	.0027	-0.040	-0.002	-0.003	-0.0167	.0002	-0.002
#3	-0.008	-0.012	-0.107	-0.257	-0.003	-0.005	-0.277	-0.001	-0.006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.010	F .0021	-0.002	.0001	-0.004	-0.003	-0.002	-0.001	-0.001
Stddev	.0007	.0014	.0003	.0001	.0001	.0001	.0009	.0001	.0000
%RSD	67.53	68.29	180.7	78.00	31.84	39.54	486.1	147.8	33.75
#1	-0.011	.0005	-0.001	.0001	-0.003	-0.004	.0003	.0000	-0.001
#2	-0.003	.0028	-0.005	.0002	-0.004	-0.002	-0.012	-0.002	-0.001
#3	-0.016	.0031	.0001	.0000	-0.006	-0.003	.0003	.0000	-0.001

Check ? Chk Pass Chk Fail None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit .0020
 Low Limit -.0020

Sample Name: CCB Acquired: 4/26/2016 9:58:47 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2671.3	4937.2	42194.	3659.3
Stddev	4.9	12.3	84.	11.5
%RSD	.18224	.24940	.19901	.31518
#1	2667.7	4923.3	42256.	3671.6
#2	2676.9	4941.5	42099.	3657.4
#3	2669.3	4946.8	42228.	3648.7

Sample Name: FA33351-1 Acquired: 4/26/2016 10:03:11 Type: Unk
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0076	222.9	0253	3.479	0048	86.74	-0009	0033	2871
Stddev	.0013	.5	.0025	.012	.0003	.76	.0003	.0001	.0008
%RSD	17.19	.2088	9.724	.3331	6.416	.8717	29.51	3.975	.2714
#1	-0.077	223.4	.0235	3.478	.0049	87.57	-0.008	.0034	.2862
#2	-0.063	222.9	.0281	3.491	.0045	86.58	-0.008	.0034	.2875
#3	-0.089	222.5	.0243	3.468	.0051	86.08	-0.012	.0032	.2876
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	0136	10.96	2.823	3.670	0323	-0011	4.101	0253	1443
Stddev	.0007	.05	.048	.077	.0002	.0012	.0446	.0006	.0005
%RSD	5.390	.4255	1.703	2.098	.6778	106.5	10.89	2.453	.3652
#1	.0131	10.91	2.878	3.751	.0321	-0.023	3.586	.0254	.1442
#2	.0134	10.99	2.789	3.660	.0324	-0.010	4.378	.0259	.1438
#3	.0145	10.99	2.801	3.598	.0324	.0000	4.338	.0247	.1449
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0170	0181	4.521	0148	16.58	6974	-0139	1309	1162
Stddev	.0110	.0056	.017	.0007	.04	.0031	.0096	.0012	.0005
%RSD	64.68	31.26	.3727	4.444	.2485	4.508	69.38	.8927	.4673
#1	-0.175	.0160	4.501	.0152	16.55	6951	-0.151	.1297	.1169
#2	-0.277	.0138	4.530	.0152	16.63	6961	-0.228	.1309	.1159
#3	-0.057	.0245	4.531	.0141	16.56	.7010	-0.037	.1320	.1159
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2553.0	5722.2	49338.	4337.5					
Stddev	2.5	5.4	271.	45.3					
%RSD	.09759	.09378	.54943	1.0443					
#1	2551.3	5721.9	49606.	4286.7					
#2	2555.9	5727.7	49342.	4373.8					
#3	2552.0	5716.9	49064.	4351.9					

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Sample Name: MP30270-D1 Acquired: 4/26/2016 10:07:38 Type: Unk
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0067	216.2	0266	3.409	0043	66.18	-0011	0023	2771
Stddev	.0017	.8	.0091	.019	.0004	.17	.0005	.0005	.0020
%RSD	24.79	.3618	34.22	.5474	9.603	.2548	50.67	22.49	.7163
#1	-0.057	216.2	.0162	3.421	.0043	65.99	-0.005	.0027	.2777
#2	-0.059	216.9	.0303	3.418	.0046	66.23	-0.010	.0026	.2788
#3	-0.087	215.4	.0332	3.387	.0038	66.32	-0.016	.0017	.2749
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	0082	10.17	2.747	3.361	0247	-0022	2.758	0260	1418
Stddev	.0013	.04	.050	.127	.0004	.0004	.0566	.0010	.0084
%RSD	16.21	.4017	18.20	3.787	1.717	17.38	20.54	3.818	5.951
#1	.0073	10.14	2.198	3.236	.0244	-0.018	2.340	.0259	.1372
#2	.0074	10.22	3.176	3.357	.0245	-0.022	2.531	.0251	.1366
#3	.0097	10.16	2.866	3.490	.0252	-0.025	3.402	.0271	.1515
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0155	0178	2.999	0179	16.22	6560	-0007	1265	1026
Stddev	.0149	.0135	.008	.0013	.11	.0021	.0050	.0021	.0009
%RSD	95.67	75.89	.2675	7.177	.6792	3.234	703.2	1.658	.9135
#1	-0.195	.0099	2.991	.0165	16.28	6542	.0049	.1222	.1037
#2	-0.280	.0102	3.000	.0191	16.29	6554	-0.023	.1254	.1021
#3	.0009	.0335	3.007	.0181	16.10	6583	-0.048	.1261	.1020
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2585.8	5767.4	50107.	4452.6					
Stddev	1.8	9.6	18.	20.8					
%RSD	.06889	.16684	.03679	.46745					
#1	2584.3	5761.7	50090.	4476.6					
#2	2587.7	5762.1	50106.	4442.2					
#3	2585.3	5778.5	50126.	4439.0					

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7.3
7

Sample Name: MP30270-S1 Acquired: 4/26/2016 10:12:05 Type: Unk
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0344	263.4	1.659	5.245	0493	127.6	0432	4470	4781
Stddev	.0022	1.3	.009	.026	.0005	.3	.0005	.0009	.0026
%RSD	6.482	.4879	.5100	.5046	.9885	.2272	1.097	.2038	.5384
#1	.0326	264.1	1.654	5.234	.0488	127.9	.0432	.4469	.4760
#2	.0369	261.9	1.669	5.225	.0493	127.3	.0437	.4479	.4773
#3	.0337	264.2	1.655	5.275	.0497	127.5	.0427	.4461	.4810
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	2373	35.61	24.40	26.23	4957	3780	21.92	4775	6468
Stddev	.0008	.14	.05	.39	.0011	.0011	.06	.0014	.0046
%RSD	.3465	.3898	.1890	1.500	.2184	.2922	.2513	.3017	.7168
#1	.2376	35.73	24.39	26.45	.4951	.3791	21.96	.4781	.6437
#2	.2364	35.46	24.35	26.45	.4970	.3778	21.85	.4786	.6445
#3	.2380	35.65	24.44	25.77	.4950	.3770	21.94	.4759	.6521
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1180	1.708	5.089	4.461	17.21	9202	2.015	5420	5752
Stddev	.0068	.024	.024	.0038	.07	.0017	.013	.0017	.0014
%RSD	5.764	1.414	.4681	.8477	.4019	.1876	.6284	.3081	.2379
#1	.1114	1.709	5.116	.4497	17.23	.9187	2.001	.5416	.5758
#2	.1249	1.684	5.073	.4421	17.13	.9221	2.025	.5406	.5737
#3	.1176	1.732	5.077	.4465	17.26	.9197	2.021	.5438	.5762
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2535.0	5802.5	49790.	4414.1					
Stddev	.9	3.4	89.	20.9					
%RSD	.03468	.05830	.17931	.47388					
#1	2535.6	5798.8	49716.	4399.0					
#2	2534.0	5803.2	49889.	4405.3					
#3	2535.3	5805.4	49765.	4438.0					

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Sample Name: MP30270-S2 Acquired: 4/26/2016 10:16:26 Type: Unk
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0339	252.5	1.714	5.156	0491	104.4	0439	4574	4732
Stddev	.0032	1.0	.007	.024	.0006	.2	.0002	.0013	.0032
%RSD	9.433	.3819	.4112	.4658	1.284	2.077	.4875	.2941	.6793
#1	.0364	253.1	1.707	5.159	.0493	104.2	.0439	.4559	.4696
#2	.0303	253.1	1.713	5.178	.0496	104.7	.0440	.4577	.4757
#3	.0351	251.4	1.722	5.131	.0484	104.4	.0436	.4585	.4744
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	2390	35.10	24.64	26.57	4996	3909	22.29	4892	6477
Stddev	.0024	.13	.22	.16	.0014	.0023	.09	.0020	.0050</

Sample Name: MP30270-PS1 Acquired: 4/26/2016 10:20:47 Type: Unk
Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stdev, %RSD, #1-3, Int. Std., Avg, Stdev, %RSD, #1-3).

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Sample Name: MP30270-SD1 Acquired: 4/26/2016 10:25:12 Type: Unk
Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 50.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stdev, %RSD, #1-3, Int. Std., Avg, Stdev, %RSD, #1-3).

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Sample Name: FA33363-1 Acquired: 4/26/2016 10:29:41 Type: Unk
Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 4.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stdev, %RSD, #1-3, Int. Std., Avg, Stdev, %RSD, #1-3).

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Sample Name: FA33363-4 Acquired: 4/26/2016 10:34:02 Type: Unk
Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 4.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stdev, %RSD, #1-3, Int. Std., Avg, Stdev, %RSD, #1-3).

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Sample Name: FA33363-7 Acquired: 4/26/2016 10:38:23 Type: Unk
Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.015	168.3	.0272	.5358	.0018	9.223	-0.005	.0149	.1896
Stddev	.0003	.3	.0010	.0019	.0001	.017	.0002	.0002	.0005
%RSD	21.63	.1730	3.755	.3617	3.441	.1874	36.00	1.625	.2374
#1	-.0019	168.6	.0274	.5380	.0018	9.223	-.0005	.0149	.1891
#2	-.0012	168.1	.0280	.5347	.0017	9.206	-.0006	.0147	.1900
#3	-.0014	168.3	.0261	.5346	.0018	9.240	-.0003	.0152	.1898
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0749	125.4	2.534	2.829	1.102	.0043	.4823	.0585	.1715
Stddev	.0005	.4	.066	.073	.003	.0003	.0147	.0002	.0031
%RSD	.6374	.3318	2.587	2.574	.2825	6.738	3.046	.2689	1.809
#1	.0744	125.8	2.582	2.912	1.099	.0040	.4934	.0584	.1708
#2	.0754	125.3	2.459	2.801	1.102	.0045	.4656	.0584	.1750
#3	.0750	125.0	2.560	2.775	1.105	.0044	.4878	.0587	.1689
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.0037	.0014	2.155	.0251	.0428	.7371	-0.0040	.4037	.1259
Stddev	.0003	.0011	.008	.0004	.0001	.0004	.0047	.0009	.0003
%RSD	8.213	75.26	.3909	1.688	.1470	.0479	117.7	.2148	.2270
#1	-.0039	.0006	2.145	.0255	.0429	.7375	.0011	.4037	.1256
#2	-.0037	.0026	2.158	.0246	.0427	.7369	-.0082	.4029	.1262
#3	-.0033	.0010	2.162	.0252	.0428	.7368	-.0048	.4046	.1260
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2492.2	5647.9	48071.	4261.3					
Stddev	1.5	15.4	207.	20.6					
%RSD	.05856	.27226	.42998	.48251					
#1	2493.8	5664.9	48247.	4238.2					
#2	2491.0	5643.9	47843.	4277.8					
#3	2491.8	5634.9	48122.	4267.9					

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Sample Name: FA33363-8 Acquired: 4/26/2016 10:42:43 Type: Unk
Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.017	196.9	.0301	.5733	.0017	8.596	-0.008	.0159	.2052
Stddev	.0006	.3	.0021	.0017	.0001	.033	.0001	.0004	.0009
%RSD	35.79	.1659	7.064	.2911	6.249	.3778	15.71	2.329	.4475
#1	-.0024	197.2	.0313	.5748	.0017	8.613	-.0009	.0156	.2061
#2	-.0012	196.6	.0277	.5715	.0017	8.559	-.0007	.0163	.2053
#3	-.0015	196.8	.0314	.5735	.0015	8.616	-.0009	.0157	.2043
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0857	125.3	2.647	3.051	1.081	.0048	.3575	.0539	.1653
Stddev	.0002	.1	.003	.062	.003	.0003	.0100	.0003	.0018
%RSD	.2133	.1051	.1269	2.036	.2586	6.729	2.789	.5125	1.108
#1	.0856	125.4	2.651	3.107	1.084	.0044	.3600	.0536	.1637
#2	.0859	125.2	2.644	2.985	1.078	.0049	.3465	.0539	.1650
#3	.0857	125.4	2.647	3.062	1.080	.0050	.3660	.0541	.1673
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(In2306)	(Y_2243)
Avg	-0.0033	-0.0019	3.253	.0224	.0430	.7542	-0.0044	.4492	.1235
Stddev	.0018	.0037	.006	.0004	.0001	.0020	.0026	.0014	.0002
%RSD	54.91	200.7	.1849	1.824	.2944	.2713	58.78	.3027	.1446
#1	-.0040	-.0050	3.260	.0221	.0429	.7559	-.0016	.4505	.1237
#2	-.0012	-.0028	3.253	.0228	.0432	.7519	-.0067	.4494	.1233
#3	-.0046	.0022	3.248	.0222	.0430	.7546	-.0050	.4478	.1234
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2482.2	5722.4	48171.	4297.8					
Stddev	7.3	9.2	187.	11.0					
%RSD	.29214	.16150	.38730	.25619					
#1	2484.7	5717.9	48040.	4285.5					
#2	2487.8	5733.0	48090.	4306.7					
#3	2474.0	5716.2	48385.	4301.3					

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7.3
7

Sample Name: CCV Acquired: 4/26/2016 10:47:02 Type: QC
Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2518	41.11	1.954	2.032	2.021	42.09	2.000	2.013	2.030
Stddev	.0010	.22	.003	.009	.006	.22	.002	.001	.002
%RSD	.4124	.5236	.1412	.4573	.3134	.5109	.0741	.0716	.0756
#1	.2530	41.16	1.956	2.037	2.022	41.99	2.002	2.014	2.029
#2	.2513	41.29	1.951	2.038	2.027	42.34	1.999	2.012	2.030
#3	.2512	40.87	1.955	2.021	2.015	41.95	1.999	2.014	2.032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.021	40.15	41.61	42.12	2.024	1.988	40.22	1.966	1.991
Stddev	.001	.11	.09	.20	.006	.003	.17	.002	.006
%RSD	.0460	.2836	.2167	.4868	.2745	.1311	.4158	.0930	.3220
#1	2.020	40.12	41.66	41.91	2.021	1.986	40.24	1.988	1.999
#2	2.020	40.28	41.67	42.32	2.031	1.987	40.38	1.985	1.989
#3	2.022	40.06	41.51	42.12	2.022	1.991	40.05	1.985	1.987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.960	1.974	1.410	2.038	2.060	1.993	2.001	1.977	1.986
Stddev	.003	.007	.001	.002	.007	.005	.004	.001	.006
%RSD	.1476	.3429	.0807	.0939	.3382	.2403	.1929	.0564	.2921
#1	1.961	1.966	1.409	2.040	2.065	1.989	2.005	1.976	1.993
#2	1.957	1.979	1.409	2.037	2.063	1.999	1.997	1.977	1.985
#3	1.963	1.976	1.411	2.037	2.052	1.992	2.001	1.978	1.981
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 4/26/2016 10:47:02 Type: QC
Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2279.0	4764.4	40738.	3652.1
Stddev	1.4	5.1	139.	12.6
%RSD	.06065	.10707	.34080	.34517
#1	2279.5	4768.8	40899.	3665.2
#2	2280.1	4765.4	40663.	3640.1
#3	2277.5	4758.8	40653.	3651.1

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Sample Name: CCB Acquired: 4/26/2016 10:51:12 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	-0.139	-0.002	-0.004	-0.003	-0.014	0.000	0.001	0.000
Stddev	0.004	0.060	0.006	0.002	0.000	0.014	0.000	0.001	0.001
%RSD	109.7	43.07	251.6	53.38	16.59	101.0	137.0	74.79	362.0
#1	-0.005	-0.116	-0.003	-0.002	-0.003	0.001	0.000	0.002	0.001
#2	-0.006	-0.094	0.004	-0.005	-0.002	-0.017	0.000	0.001	0.001
#3	0.001	-0.207	-0.009	-0.006	-0.003	-0.026	0.000	0.000	-0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	0.001	-0.001	-0.093	-0.001	0.003	-0.214	0.001	0.000
Stddev	0.002	0.010	0.308	0.253	0.000	0.003	0.037	0.001	0.001
%RSD	41.64	958.0	4984.0	271.4	27.84	120.2	17.28	60.02	257.6
#1	-0.002	-0.001	-0.039	-0.335	-0.001	0.006	-0.249	0.001	0.007
#2	-0.005	-0.008	-0.287	0.169	-0.001	0.003	-0.216	0.001	0.001
#3	-0.006	0.012	0.324	-0.114	-0.001	0.000	-0.176	0.000	-0.010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.009	0.006	0.002	0.000	-0.003	0.000	-0.002	-0.001	-0.001
Stddev	0.006	0.011	0.000	0.003	0.001	0.001	0.006	0.002	0.001
%RSD	64.31	186.2	23.13	879.5	31.67	716.9	257.3	210.0	131.4
#1	-0.004	0.016	0.003	0.003	-0.002	0.001	0.001	0.001	0.000
#2	-0.016	0.006	0.002	-0.002	-0.004	0.000	0.001	-0.002	-0.001
#3	-0.008	-0.005	0.002	0.000	-0.003	-0.001	-0.009	-0.003	-0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.031	246.0	0.362	9405	0.010	14.32	-0.014	0.220	2.122
Stddev	0.002	0.9	0.024	0.044	0.003	0.05	0.001	0.005	0.012
%RSD	7.986	3498	6.509	4657	26.70	34.10	8.522	2.209	5569
#1	-0.029	245.9	0.341	9436	0.010	14.33	-0.013	0.225	2.124
#2	-0.034	245.3	0.358	9355	0.013	14.27	-0.014	0.215	2.109
#3	-0.031	247.0	0.387	9423	0.008	14.36	-0.015	0.220	2.133

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1026	105.9	4.333	4.113	1.223	0.017	6534	0.896	2086
Stddev	0.002	4	0.28	0.10	0.03	0.005	0.029	0.006	0.042
%RSD	1.749	3.484	6.393	2.397	2.564	27.45	4.460	0.645	2.033
#1	1024	106.1	4.305	4.106	1.224	0.022	6546	0.892	2049
#2	1027	105.5	4.333	4.110	1.219	0.015	6556	0.894	2132
#3	1026	106.1	4.361	4.125	1.225	0.013	6501	0.903	2076

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.072	-0.038	4.022	0.242	0.639	8830	-0.078	4.052	1.861
Stddev	0.015	0.094	0.11	0.005	0.005	0.010	0.047	0.011	0.005
%RSD	20.99	250.4	2.621	2.183	0.7102	0.1183	61.00	0.2696	0.2935
#1	-0.074	0.012	4.027	0.241	0.644	8840	-0.113	4.065	1.867
#2	-0.087	0.022	4.010	0.237	0.635	8819	-0.096	4.045	1.860
#3	-0.056	-0.146	4.029	0.248	0.637	8832	-0.024	4.046	1.856

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2528.3	5609.7	4767.1	4233.3
Stddev	1.9	8.4	211.	28.3
%RSD	0.7606	1.5016	4.4346	6.6952
#1	2526.5	5603.6	47436.	4250.1
#2	2530.3	5619.3	47733.	4249.2
#3	2528.0	5606.0	47845.	4200.6

Sample Name: CCB Acquired: 4/26/2016 10:51:12 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2657.8	4937.8	42432.	3742.7
Stddev	5.3	5.2	128.	23.3
%RSD	0.19836	0.10596	0.30260	0.62125
#1	2662.1	4942.9	42286.	3769.5
#2	2651.9	4932.4	42480.	3730.0
#3	2659.4	4938.2	42529.	3728.5

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	0.001	-0.001	-0.093	-0.001	0.003	-0.214	0.001	0.000
Stddev	0.002	0.010	0.308	0.253	0.000	0.003	0.037	0.001	0.001
%RSD	41.64	958.0	4984.0	271.4	27.84	120.2	17.28	60.02	257.6
#1	-0.002	-0.001	-0.039	-0.335	-0.001	0.006	-0.249	0.001	0.007
#2	-0.005	-0.008	-0.287	0.169	-0.001	0.003	-0.216	0.001	0.001
#3	-0.006	0.012	0.324	-0.114	-0.001	0.000	-0.176	0.000	-0.010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.009	0.006	0.002	0.000	-0.003	0.000	-0.002	-0.001	-0.001
Stddev	0.006	0.011	0.000	0.003	0.001	0.001	0.006	0.002	0.001
%RSD	64.31	186.2	23.13	879.5	31.67	716.9	257.3	210.0	131.4
#1	-0.004	0.016	0.003	0.003	-0.002	0.001	0.001	0.001	0.000
#2	-0.016	0.006	0.002	-0.002	-0.004	0.000	0.001	-0.002	-0.001
#3	-0.008	-0.005	0.002	0.000	-0.003	-0.001	-0.009	-0.003	-0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.005	11.05	0.455	3582	-0.007	913.6	0.008	0.015	0.440
Stddev	0.004	0.07	0.026	0.020	0.002	7.6	0.001	0.001	0.004
%RSD	81.51	6452	5.819	5519	31.91	8314	9.946	4.836	1.005
#1	0.008	11.05	0.452	3580	-0.010	919.9	0.008	0.014	0.445
#2	0.006	11.12	0.483	3603	-0.007	905.2	0.009	0.015	0.436
#3	0.000	10.98	0.430	3564	-0.005	915.9	0.008	0.015	0.440

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5.286	83.30	6.012	2.727	2.904	0.012	4.682	0.133	0.704
Stddev	0.16	28	0.461	0.32	0.03	0.003	0.025	0.007	0.019
%RSD	3.088	33.355	7.668	1.167	1.043	23.29	5.267	5.556	2.696
#1	5.274	83.59	6.533	2.700	2.908	0.014	4.654	0.136	0.685
#2	5.280	83.27	5.846	2.719	2.903	0.012	4.698	0.138	0.723
#3	5.305	83.04	5.657	2.762	2.902	0.009	4.694	0.124	0.704

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.026	0.159	1.176	0.538	2.039	0.519	0.026	0.242	2.374
Stddev	0.023	0.013	0.02	0.016	0.09	0.002	0.017	0.001	0.04
%RSD	89.87	7.972	1.900	2.880	4.301	4.480	64.88	5.309	1.893
#1	-0.041	0.163	1.177	0.533	2.042	0.516	0.043	0.241	2.378
#2	-0.001	0.145	1.173	0.556	2.045	0.520	0.010	0.242	2.374
#3	-0.036	0.169	1.177	0.526	2.029	0.521	0.024	0.243	2.370

Sample Name: CCV Acquired: 4/26/2016 11:18:43 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2271.0	4754.0	4040.4	3613.9
Stddev	6.4	11.5	118.	5.8
%RSD	.28201	.24287	.29136	.16022
#1	2278.1	4761.3	40271.	3618.5
#2	2269.5	4760.0	40493.	3615.9
#3	2265.6	4740.7	40449.	3607.4

Sample Name: CCB Acquired: 4/26/2016 11:22:54 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.005	-0.046	.003	-0.003	-0.001	.0026	.0000	.0000	-0.002
Stddev	.0001	.0067	.0004	.0002	.0000	.0023	.000	.0001	.0002
%RSD	14.58	145.4	111.4	64.94	8.306	87.92	1106.	378.2	97.78
#1	-0.004	.0000	.0003	-0.001	-0.001	.0029	.0001	.0002	-0.002
#2	-0.006	-0.122	.0007	-0.003	-0.001	.0048	-0.001	-0.001	-0.005
#3	-0.005	-0.015	.0000	-0.006	-0.001	.0002	.0000	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-0.004	.0021	-0.072	.0025	-0.001	.0004	-0.175	.0000	.0000
Stddev	.0002	.0024	.0231	.0125	.0000	.0003	.0018	.0003	.000
%RSD	41.61	115.8	318.2	495.9	49.27	73.86	10.41	1092.	8660.
#1	-0.002	.0035	-0.338	.0043	.0000	.0006	-0.193	-0.003	.0003
#2	-0.005	.0035	.0079	.0140	-0.001	.0005	-0.156	.0002	-0.005
#3	-0.005	-0.007	.0041	-0.108	-0.001	.0001	-0.175	.0001	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	-0.011	.0017	.0003	.0002	-0.001	.0001	-0.002	-0.001	-0.001
Stddev	.0006	.0012	.0004	.0004	.0001	.0001	.0008	.0001	.0000
%RSD	56.39	70.44	124.7	190.2	56.61	192.5	394.4	139.1	36.79
#1	-0.012	.0011	.0008	-0.001	-0.001	.0002	-0.009	.0000	-0.001
#2	-0.016	.0031	.0004	.0007	-0.001	.0000	-0.005	-0.002	-0.002
#3	-0.004	.0009	-0.001	.0001	-0.002	.0000	.0007	-0.001	-0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/26/2016 11:22:54 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2652.4	4924.4	42205.	3719.8
Stddev	4.1	10.2	111.	20.3
%RSD	.15532	.20627	.26373	.54650
#1	2649.7	4921.4	42210.	3696.4
#2	2657.1	4935.7	42091.	3732.8
#3	2650.4	4916.0	42313.	3730.2

Sample Name: MP30276-MB1 Acquired: 4/26/2016 11:33:03 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.004	-0.191	-0.004	-0.009	-0.006	-0.058	-0.002	-0.002	-0.004
Stddev	.0002	.0074	.0011	.0004	.0001	.0018	.0001	.0000	.0002
%RSD	38.17	38.80	275.6	46.99	14.56	31.37	23.80	11.70	57.81
#1	-0.005	-0.176	-0.012	-0.005	-0.005	-0.064	-0.002	-0.002	-0.002
#2	-0.005	-0.125	-0.008	-0.013	-0.006	-0.037	-0.002	-0.002	-0.004
#3	-0.002	-0.271	.0008	-0.009	-0.007	-0.072	-0.002	-0.002	-0.006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-0.008	-0.112	-0.105	.0006	-0.004	-0.007	-0.122	-0.003	-0.006
Stddev	.0000	.0040	.0121	.0177	.0000	.0002	.0003	.0000	.0007
%RSD	6.253	35.72	116.0	2939.	1.886	32.20	2.623	12.37	120.8
#1	-0.008	-0.136	.0019	.0184	-0.004	-0.010	-0.123	-0.004	-0.010
#2	-0.007	-0.135	-0.223	-0.171	-0.004	-0.006	-0.124	-0.003	-0.010
#3	-0.008	-0.066	-0.110	.0005	-0.004	-0.006	-0.118	-0.004	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	-0.007	.0004	.0107	.0000	-0.007	-0.006	-0.015	-0.004	-0.004
Stddev	.0011	.0012	.0001	.000	.0000	.0001	.0001	.0002	.0001
%RSD	144.6	277.1	1.062	368.6	1.642	11.97	8.381	58.42	13.86
#1	-0.007	.0011	.0107	.0000	-0.007	-0.005	-0.014	-0.003	-0.004
#2	-0.018	-0.010	.0106	-0.002	-0.007	-0.006	-0.015	-0.002	-0.004
#3	.0003	.0011	.0109	.0001	-0.007	-0.007	-0.016	-0.006	-0.003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30276-MB1 Acquired: 4/26/2016 11:33:03 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2628.4	4864.8	42158.	3699.1
Stddev	4.1	1.9	107.	10.8
%RSD	.15702	.03872	.25442	.29083
#1	2632.3	4864.7	42273.	3694.6
#2	2624.1	4863.0	42140.	3711.4
#3	2628.7	4866.8	42060.	3691.3

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Sample Name: MP30276-B1 Acquired: 4/26/2016 11:37:34 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0494	28.79	2.015	2.165	.0540	27.65	.0524	.5290	.2162
Stddev	.0007	.07	.004	.011	.0002	.08	.0001	.0011	.0001
%RSD	1.351	.2386	.2003	.5210	.3393	.3021	.2833	.2114	.0613
#1	.0502	28.86	2.015	2.169	.0542	27.74	.0523	.5287	.2163
#2	.0489	28.76	2.020	2.153	.0540	27.58	.0523	.5280	.2161
#3	.0491	28.73	2.012	2.174	.0538	27.62	.0526	.5302	.2163

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.2760	28.06	27.08	27.04	.5472	.5150	26.24	.5277	.5065
Stddev	.0003	.02	.11	.26	.0011	.0007	.04	.0014	.0028
%RSD	.1107	.0666	.4081	.9790	.2084	.1388	.1456	.2649	.5516
#1	.2756	28.06	27.17	27.22	.5485	.5149	26.28	.5271	.5044
#2	.2760	28.04	26.96	27.15	.5463	.5143	26.23	.5268	.5053
#3	.2762	28.07	27.11	26.73	.5468	.5158	26.20	.5293	.5097

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.5117	2.048	.0231	.5365	.5323	.5200	2.033	.4996	.5213
Stddev	.0025	.008	.0002	.0017	.0027	.0012	.002	.0006	.0014
%RSD	.4883	.4074	1.031	.3169	.4983	.2362	.0957	.1289	.2654
#1	.5091	2.041	.0231	.5358	.5331	.5203	2.033	.5000	.5204
#2	.5141	2.045	.0228	.5352	.5293	.5187	2.032	.4989	.5205
#3	.5118	2.057	.0233	.5384	.5344	.5211	2.035	.5000	.5229

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

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7.3
7

Sample Name: MP30276-B1 Acquired: 4/26/2016 11:37:34 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2357.2	4740.5	40285.	3627.3
Stddev	.4	4.9	72.	13.2
%RSD	.01813	.10371	.17791	.36287
#1	2356.8	4738.2	40358.	3628.1
#2	2357.5	4737.2	40285.	3613.7
#3	2357.5	4746.2	40214.	3640.0

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Sample Name: FA33305-2 Acquired: 4/26/2016 11:41:46 Type: Unk
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-.0007	.7039	.0009	.0007	-.0006	26.94	-.0002	.0000	.0011
Stddev	.0002	.0126	.0006	.0004	.0001	.24	.0001	.0001	.0001
%RSD	30.55	1.794	64.82	51.66	12.31	.9028	31.50	190.2	7.358
#1	-.0009	.7108	.0014	.0011	-.0006	26.78	-.0001	.0000	.0011
#2	-.0005	.7115	.0002	.0004	-.0007	27.22	-.0002	.0000	.0012
#3	-.0006	.6893	.0011	.0006	-.0005	26.82	-.0002	.0001	.0011

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.0043	.3426	1.071	1.239	.0037	.0006	5.302	.0005	.0029
Stddev	.0001	.0011	.040	.028	.0001	.0001	.027	.0001	.0005
%RSD	2.861	.3142	3.722	2.254	1.608	21.88	.5053	17.11	18.67
#1	.0041	.3430	1.034	1.254	.0036	.0007	5.307	.0006	.0033
#2	.0043	.3434	1.064	1.255	.0037	.0005	5.326	.0005	.0031
#3	.0044	.3413	1.113	1.206	.0038	.0007	5.273	.0004	.0023

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	-.0004	.0028	1.887	.0006	.0442	.0012	-.0009	.0009	.4308
Stddev	.0012	.0011	.004	.0001	.0002	.0001	.0002	.0001	.0012
%RSD	335.1	39.36	.2062	23.19	.5535	7.939	17.28	11.66	.2867
#1	-.0003	.0025	1.882	.0004	.0441	.0011	-.0008	.0010	.4296
#2	-.0016	.0040	1.888	.0006	.0445	.0013	-.0009	.0008	.4308
#3	.0008	.0019	1.889	.0006	.0441	.0011	-.0011	.0008	.4321

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2525.8	4773.2	41627.	3727.8
Stddev	5.3	7.9	226.	34.9
%RSD	.21065	.16454	.54174	.93743
#1	2527.6	4782.3	41554.	3754.3
#2	2519.8	4768.5	41881.	3688.2
#3	2529.9	4768.8	41448.	3741.0

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Sample Name: MP30276-D1 Acquired: 4/26/2016 11:46:14 Type: Unk
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	.7023	.0001	.0005	-0.0006	26.59	-0.0002	-0.0001	.0007
Stddev	.0003	.0048	.0000	.0002	.0001	.06	.0000	.0001	.0001
%RSD	56.30	.6851	24.64	41.05	8.515	.2309	18.93	99.46	10.15
#1	-.0003	.6967	.0001	.0003	-.0007	26.52	-.0002	-.0001	.0007
#2	-.0008	.7053	.0001	.0006	-.0006	26.64	-.0002	.0000	.0008
#3	-.0005	.7048	.0002	.0006	-.0006	26.60	-.0002	-.0001	.0007
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.0042	.3335	1.101	1.238	.0035	.0003	5.224	.0004	.0028
Stddev	.0001	.0047	.020	.011	.0000	.0001	.018	.0001	.0005
%RSD	3.596	1.417	1.787	.8975	1.008	21.84	.3474	27.00	17.56
#1	.0043	.3294	1.084	1.236	.0035	.0003	5.228	.0005	.0031
#2	.0042	.3326	1.123	1.227	.0035	.0003	5.204	.0003	.0022
#3	.0040	.3387	1.097	1.249	.0036	.0004	5.239	.0004	.0030
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.010	.0014	1.853	.0002	.0433	.0009	-0.018	.0011	.4235
Stddev	.0014	.0018	.002	.0002	.0002	.0001	.0004	.0002	.0008
%RSD	138.5	129.1	.1111	.9178	.4570	10.28	24.46	20.32	1.918
#1	-.0023	-.0005	1.851	.0002	.0435	.0008	-.0023	.0008	.4244
#2	-.0004	.0017	1.855	.0000	.0431	.0009	-.0015	.0011	.4233
#3	-.0010	.0029	1.853	.0005	.0432	.0010	-.0017	.0013	.4228
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2537.6	4807.2	4177.9	3723.4					
Stddev	2.6	3.2	132.	13.9					
%RSD	.10409	.06741	.31560	.37345					
#1	2535.5	4804.3	4192.2	3737.9					
#2	2540.6	4806.6	4166.2	3722.3					
#3	2536.8	4810.7	4175.4	3710.1					

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Sample Name: MP30276-SD1 Acquired: 4/26/2016 11:50:42 Type: Unk
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0035	.6044	.0028	-0.0034	-0.0033	26.20	-0.0010	-0.0004	-0.0009
Stddev	.0009	.0064	.0027	.0018	.0002	.12	.0002	.0004	.0006
%RSD	25.64	1.061	98.14	51.54	6.242	.4455	22.77	97.96	62.30
#1	-.0036	.6109	.0059	-.0042	-.0035	26.28	-.0011	-.0001	-.0013
#2	-.0043	.5981	.0010	-.0047	-.0031	26.25	-.0008	-.0009	-.0012
#3	-.0025	.6041	.0014	-.0014	-.0033	26.07	-.0012	-.0003	-.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.0005	.2563	.9592	1.203	.0017	-0.0042	4.970	-0.0005	-0.0025
Stddev	.0002	.0016	.0254	.053	.0001	.0010	.033	.0005	.0014
%RSD	51.67	.6058	26.42	4.449	8.348	24.90	.6546	95.94	58.61
#1	.0003	.2581	.7502	1.211	.0018	-.0033	4.979	-.0011	-.0017
#2	.0004	.2553	.8862	1.146	.0015	-.0054	4.997	-.0002	-.0016
#3	.0007	.2555	1.241	1.252	.0017	-.0040	4.934	-.0002	-.0041
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.061	.0042	1.791	-0.013	.0400	-0.022	.0009	.0001	.4648
Stddev	.0035	.0046	.002	.0023	.0001	.0005	.0035	.0009	.0008
%RSD	57.33	110.4	.1367	170.6	.2884	20.62	400.1	1723.	1.739
#1	-.0041	.0029	1.790	-.0027	.0399	-.0023	-.0028	-.0004	.4655
#2	-.0101	.0093	1.794	-.0027	.0401	-.0026	.0012	.0011	.4648
#3	-.0040	.0004	1.789	.0013	.0400	-.0017	.0042	-.0005	.4639
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2632.9	4931.3	4239.5	3733.6					
Stddev	.8	2.7	185.	20.3					
%RSD	.03128	.05385	.43737	.54445					
#1	2632.4	4931.3	42181.	3725.4					
#2	2633.9	4934.0	42491.	3718.6					
#3	2632.5	4928.7	42512.	3756.7					

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7.3
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Sample Name: MP30276-PS1 Acquired: 4/26/2016 11:55:11 Type: Unk
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0512	3.545	1.090	.2875	.0564	32.66	.0551	.0562	.0579
Stddev	.0006	.037	.0015	.0026	.0001	.22	.0002	.0002	.0001
%RSD	1.179	1.043	1.342	.9144	.1908	.6787	.3933	.3329	.1126
#1	.0518	3.514	1.104	.2846	.0564	32.45	.0551	.0560	.0580
#2	.0506	3.535	1.075	.2880	.0565	32.64	.0553	.0564	.0579
#3	.0512	3.586	1.090	.2898	.0563	32.89	.0549	.0562	.0579
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	1.202	3.743	12.23	6.926	.0615	16.18	1.109	.0546	.5109
Stddev	.0011	.030	.06	.113	.0000	.0008	.09	.0003	.0010
%RSD	.8975	.7958	.5021	1.626	.0530	.7300	.5827	.2906	1.849
#1	1.214	3.720	12.19	6.815	.0615	16.09	1.105	.0557	.5126
#2	1.193	3.731	12.19	6.921	.0615	16.16	1.112	.0543	.5110
#3	1.199	3.777	12.30	7.040	.0614	16.28	1.109	.0537	.5093
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1123	.1069	1.862	.0543	.1001	.1117	.1038	.0541	.6963
Stddev	.0016	.0017	.010	.0002	.0008	.0002	.0007	.0003	.0057
%RSD	1.469	1.623	.5188	.2867	.7582	.2168	.6393	.5794	.8253
#1	.1127	.1050	1.854	.0543	.0994	.1115	.1045	.0544	.6987
#2	.1105	.1083	1.859	.0544	.1000	.1120	.1039	.0541	.7004
#3	.1137	.1075	1.873	.0541	.1009	.1116	.1032	.0538	.6897
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2423.5	4740.3	4089.6	3610.7					
Stddev	24.5	66.6	61.	26.0					
%RSD	1.0104	1.4045	.14838	.72010					
#1	2435.0	4780.1	4082.6	3637.9					
#2	2440.2	4777.3	4093.1	3608.2					
#3	2395.4	4663.4	4093.1	3586.0					

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Sample Name: MP30276-S1 Acquired: 4/26/2016 11:59:29 Type: Unk
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0490	28.91	2.028	2.142	.0540	52.38	.0521	.5224	.2123
Stddev	.0004	.09	.007	.010	.0004	.12	.0001	.0009	.0009
%RSD	.8821	.3237	.3587	.4650	.0718	2.385	.0989	1.759	.4131
#1	.0494	28.81	2.025	2.131	.0535	52.41	.0521	.5224	.2129
#2	.0485	28.91	2.023	2.146	.0544	52.24	.0521	.5216	.2113
#3	.0491	29.00	2.036	2.150	.0540	52.49	.0521	.5234	.2126
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.2750	27.80	27.53	27.33	.5399	.070	31.03	.5262	.5109
Stddev	.0005	.08	.10</						

Sample Name: MP30276-S2 Acquired: 4/26/2016 12:03:41 Type: Unk
Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.090	28.98	2.013	2.137	0.540	52.94	0.517	5.204	2.128
Stddev	.0004	.13	.007	.009	.0003	.38	.0003	.0017	.0014
%RSD	.9065	.4516	.3355	.4116	.5773	.7251	.5248	.3178	.6645

#1	.0489	29.11	2.007	2.143	.0542	53.34	.0514	.5186	.2140
#2	.0486	28.85	2.013	2.127	.0541	52.89	.0518	.5208	.2112
#3	.0495	28.98	2.020	2.141	.0536	52.57	.0520	.5218	.2131

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.752	27.84	27.51	27.45	5.428	5.067	31.11	5.235	5.093
Stddev	.0006	.11	.22	.22	.0021	.0019	.15	.0017	.0019
%RSD	.2151	.4084	.8115	.8094	.3864	.3716	.4713	.3156	.3728

#1	.2754	27.96	27.75	27.71	.5432	5.049	31.25	.5221	.5075
#2	.2756	27.82	27.31	27.35	.5406	5.065	30.96	.5231	.5093
#3	.2745	27.74	27.48	27.29	.5448	.5086	31.12	.5253	.5113

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.100	2.042	1.833	5.244	5.642	5.174	2.031	4.995	9.199
Stddev	.0027	.004	.005	.0025	.0028	.0005	.006	.0012	.0051
%RSD	.5212	.1936	.2665	.4705	.4962	.0942	.2954	.2358	.5505

#1	.5070	2.040	1.828	.5218	.5667	.5171	2.027	.5007	.9145
#2	.5107	2.039	1.833	.5249	.5612	.5172	2.027	.4984	.9204
#3	.5122	2.046	1.838	.5266	.5648	.5180	2.037	.4994	.9246

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2327.9	4736.0	40488.	3671.2
Stddev	2.8	10.1	113.	47.0
%RSD	.11849	.21256	.27849	1.2810

#1	2329.7	4743.8	40358.	3624.5
#2	2329.2	4739.5	40552.	3670.6
#3	2324.7	4724.6	40554.	3718.6

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7.3
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Sample Name: FA33346-1 Acquired: 4/26/2016 12:07:53 Type: Unk
Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.013	1.894	-0.032	0.473	-0.029	1344.	-0.011	0.028	0.085
Stddev	.0023	.0273	.0058	.0010	.0004	2.	.0003	.0001	.0012
%RSD	179.4	14.43	184.4	2.049	12.88	.1731	28.00	3.543	14.16

#1	.0008	.1607	.0023	.0483	-.0026	1347.	-.0013	.0029	.0075
#2	-.0009	.2152	-.0025	.0474	-.0033	1342.	-.0007	.0027	.0080
#3	-.0038	.1924	-.0093	.0463	-.0029	1344.	-.0011	.0027	.0098

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.008	0.523	64.36	19.86	0.028	1.269	F 9888.	-0.002	-0.047
Stddev	.0006	.0104	.41	.21	.0002	.0002	255.	.0014	.0003
%RSD	82.18	19.88	.6300	1.062	8.466	.1773	2.582	894.5	6.542

#1	.0001	0.466	64.02	19.78	.0025	1.266	10170.	-.0003	-.0050
#2	.0013	.0459	64.26	19.71	.0029	1.271	9817.	-.0013	-.0044
#3	.0009	.0643	64.81	20.10	.0030	1.270	9675.	-.0015	-.0047

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.039	1.094	2.847	0.010	F 21.61	-0.006	-0.030	0.311	0.389
Stddev	.0053	.0052	.005	.0005	.06	.0008	.0026	.0010	.0001
%RSD	135.0	4.708	.1943	45.69	.2880	146.0	86.74	3.192	.3755

#1	.0019	.1045	2.854	.0011	21.65	-.0004	-.0015	.0315	.0388
#2	-.0085	.1091	2.844	.0005	21.63	.0002	-.0059	.0318	.0389
#3	-.0052	.1147	2.840	.0015	21.54	-.0014	-.0014	.0299	.0391

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1738.8	3877.4	31227.	3401.5
Stddev	2.8	4.6	34.	16.7
%RSD	.16361	.11817	.10933	.48971

#1	1741.9	3882.2	31266.	3419.1
#2	1738.0	3873.1	31203.	3399.4
#3	1736.4	3876.8	31213.	3386.0

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Sample Name: FA33376-1 Acquired: 4/26/2016 12:13:28 Type: Unk
Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.030	1.387	0.007	0.156	-0.029	646.4	-0.013	0.007	0.045
Stddev	.0019	.055	.0091	.0012	.0002	.9	.0002	.0002	.0007
%RSD	64.15	3.986	1393.	7.935	7.563	.1397	14.11	24.90	16.38

#1	-.0047	1.330	-.0098	.0148	-.0027	646.5	-.0012	.0008	.0053
#2	-.0034	1.391	.0069	.0150	-.0031	647.3	-.0012	.0005	.0044
#3	-.0009	1.441	.0048	.0170	-.0030	645.5	-.0015	.0007	.0038

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.012	1.651	28.06	461.6	0.293	0.268	F 2026.	0.012	-0.065
Stddev	.0007	.012	.24	1.5	.0003	.0013	20.	.0008	.0014
%RSD	62.98	.7014	.8722	.3175	.9268	4.870	.9897	68.10	21.96

#1	-.0019	1.663	27.84	462.5	.0295	.0278	2032.	.0020	-.0050
#2	-.0005	1.650	28.32	462.4	.0290	.0273	2043.	.0004	-.0079
#3	-.0011	1.640	28.01	459.9	.0292	.0253	2004.	.0011	-.0065

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.060	0.233	7.206	0.008	11.89	0.405	-0.068	0.029	0.435
Stddev	.0048	.0106	.040	.0013	.06	.0080	.0076	.0012	.0003
%RSD	80.18	45.39	.5607	165.0	.5296	19.87	111.5	40.03	.6463

#1	-.0020	.0152	7.171	.0018	11.82	.0459	.0019	.0021	.0437
#2	-.0114	.0353	7.196	.0013	11.93	.0312	-.0105	.0042	.0436
#3	-.0048	.0195	7.250	-.0007	11.92	.0443	-.0119	.0023	.0432

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2082.9	4311.7	36298.	3541.8
Stddev	4.2	6.3	163.	8.7
%RSD	.20402	.14571	.45021	.24485

#1	2086.2	4310.2	36287.	3532.6
#2	2084.3	4318.6	36141.	3543.0
#3	2078.1	4306.4	36467.	3549.8

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Sample Name: CCV Acquired: 4/26/2016 12:18:04 Type: QC
Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.525	41.01	2.000	2.035	2.035	41.53	2.032	2.035	2.037
Stddev	.0012	.03	.004	.009	.005	.10	.001	.001	.013
%RSD	.4723	.0828	.1966	.4322	.2633	.2520	.0388	.0278	.6387

#1	.2519	41.00	1.999	2.041	2.039	41.49	2.033	2.035	2.041
#2	.2538	41.05	1.996						

Sample Name: CCV Acquired: 4/26/2016 12:18:04 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2267.4	4694.8	4044.3	3692.0
Stddev	4.1	9.4	164.	28.7
%RSD	.18082	.20014	.40665	.77623
#1	2271.2	4704.3	40388.	3724.1
#2	2267.9	4694.5	40313.	3683.0
#3	2263.0	4685.5	40628.	3669.0

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Sample Name: CCB Acquired: 4/26/2016 12:22:15 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.005	-0.144	-0.006	-0.007	-0.004	-0.053	-0.001	.001	-0.003
Stddev	.0004	.0053	.0006	.0000	.0001	.0020	.0000	.0000	.0001
%RSD	77.92	36.41	99.66	5.716	22.95	37.19	62.95	40.60	37.66
#1	-0.001	-0.139	-0.014	-0.006	-0.003	-0.030	.0000	.001	-0.002
#2	-0.009	-0.095	-0.003	-0.007	-0.005	-0.064	.0000	.001	-0.004
#3	-0.006	-0.200	-0.002	-0.007	-0.004	-0.064	-0.001	.001	-0.004

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 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-0.005	-0.055	-0.039	-0.016	-0.003	.003	.0646	.0000	-0.004
Stddev	.0001	.0022	.0491	.0407	.0000	.0003	.0122	.0001	.0003
%RSD	26.21	41.06	1249.	2569.	12.73	132.9	18.91	307.6	74.24
#1	-0.006	-0.039	-0.0451	-0.0479	-0.003	.0005	.0735	-0.001	-0.003
#2	-0.004	-0.080	-0.170	.0146	-0.003	.0004	.0698	.001	-0.001
#3	-0.006	-0.044	.0504	.0285	-0.004	-0.001	.0507	.001	-0.006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	-0.008	.0018	.0014	.0000	-0.004	.0000	-0.004	-0.002	-0.002
Stddev	.0005	.0022	.0001	.000	.0001	.000	.0005	.0002	.0000
%RSD	62.94	120.4	9.790	945.4	15.98	414.2	115.7	68.99	7.054
#1	-0.002	.0013	.0014	.0003	-0.005	.0000	-0.007	-0.004	-0.002
#2	-0.010	.0042	.0015	-0.005	-0.003	.0000	.0001	-0.001	-0.002
#3	-0.012	-0.001	.0012	.0001	-0.005	.0000	-0.008	-0.002	-0.002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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7.3
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Sample Name: CCB Acquired: 4/26/2016 12:22:15 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2635.3	4857.1	42072.	3721.9
Stddev	22.4	76.6	36.	2.7
%RSD	.84833	1.5769	.08567	.07264
#1	2653.2	4926.0	42068.	3718.8
#2	2610.2	4774.7	42110.	3723.5
#3	2642.4	4870.7	42038.	3723.5

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Sample Name: FA33376-2 Acquired: 4/26/2016 12:26:47 Type: Unk
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_3710)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-0.0021	21.60	.0150	.1295	-0.016	663.0	-0.012	.0082	.0354
Stddev	.0015	.02	.0038	.0021	.0006	2.4	.0003	.0005	.0009
%RSD	68.93	.0898	25.25	1.641	36.48	.3556	21.84	6.004	2.457
#1	-0.019	21.60	.0106	.1273	-0.020	660.6	-0.013	.0079	.0343
#2	-0.008	21.62	.0175	.1297	-0.009	663.1	-0.009	.0088	.0358
#3	-0.037	21.58	.0169	.1315	-0.020	665.3	-0.014	.0080	.0359

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_3710)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.0181	21.10	22.29	256.5	.2369	.0331	F 633.2	.0270	.0051
Stddev	.0004	.08	.04	1.6	.0010	.0013	2.0	.0006	.0019
%RSD	2.362	.3660	.1945	.6358	.4060	4.052	.3133	2.340	37.92
#1	.0184	21.07	22.24	254.6	.2361	.0321	631.2	.0265	.0071
#2	.0184	21.04	22.33	257.1	.2380	.0326	633.2	.0268	.0049
#3	.0176	21.19	22.29	257.7	.2367	.0346	635.1	.0277	.0033

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	-0.0066	.0154	29.67	.0013	8.794	1.470	-0.002	.0340	.1091
Stddev	.0032	.0116	.09	.0018	.017	.0007	.0035	.0004	.0003
%RSD	48.51	75.24	.3133	134.8	.1953	4.907	1911.	1.128	.2607
#1	-0.103	.0234	29.61	-0.002	8.776	.1472	-0.008	.0341	.1088
#2	-0.051	.0208	29.63	.0032	8.810	.1477	-0.033	.0336	.1094
#3	-0.045	.0021	29.78	.0008	8.796	.1462	.0036	.0343	.1092

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2226.0	4510.7	38586.	3604.0
Stddev	5.6	9.4	66.	15.3
%RSD	.25020	.20771	.17063	.42316
#1	2231.5	4521.2	38629.	3619.8
#2	2220.3	4503.1	38619.	3602.9
#3	2226.2	4507.7	38510.	3589.3

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Sample Name: FA33376-3 Acquired: 4/26/2016 12:31:11 Type: Unk
Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 10 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr.

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Sample Name: FA33376-5 Acquired: 4/26/2016 12:40:23 Type: Unk
Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 10 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr.

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Sample Name: FA33376-4 Acquired: 4/26/2016 12:35:46 Type: Unk
Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 10 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr.

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Sample Name: FA33376-6 Acquired: 4/26/2016 12:44:57 Type: Unk
Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 10 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr.

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Sample Name: FA33376-7 Acquired: 4/26/2016 12:49:26 Type: Unk
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.014	3.470	0.188	0.507	-0.028	652.7	-0.013	0.018	0.015
Stddev	.0035	.037	.0047	.0022	.0004	4.3	.0002	.0005	.0006
%RSD	245.5	1.071	24.99	4.254	14.84	.6621	11.72	26.40	40.19
#1	-0.006	3.452	.0155	.0491	-.0023	655.3	-.0013	.0021	.0022
#2	-0.053	3.447	.0167	.0500	-.0031	647.7	-.0011	.0021	.0012
#3	.0016	3.513	.0242	.0532	-.0030	655.1	-.0014	.0013	.0011
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.021	7.958	14.96	338.3	1.068	0.066	F 1405.	0.039	0.021
Stddev	.0011	.027	.19	1.8	.001	.0006	7.	.0010	.0018
%RSD	52.10	.3390	1.289	.5172	.0555	8.529	.5242	24.67	85.28
#1	.0031	7.986	14.74	339.2	1.069	.0063	1401.	.0028	.0000
#2	.0009	7.933	15.10	336.3	1.068	.0073	1402.	.0045	.0029
#3	.0022	7.954	15.04	339.5	1.069	.0063	1414.	.0044	.0033
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	-0.007	0.117	7.884	0.004	12.88	0.0456	0.013	0.088	0.440
Stddev	.0009	.0075	.007	.0001	.07	.0005	.0111	.0005	.0004
%RSD	13.51	64.36	.0862	34.69	.5225	1.201	852.1	5.504	.9756
#1	-0.066	.0125	7.890	.0004	12.92	.0455	-0.066	.0082	.0444
#2	-0.059	.0038	7.877	.0003	12.80	.0462	-0.035	.0091	.0441
#3	-0.077	.0187	7.886	.0006	12.91	.0451	.0140	.0090	.0436
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2134.6	4336.5	3723.0	3647.6					
Stddev	6.7	7.1	112.	20.6					
%RSD	.31390	.16318	.30181	.56456					
#1	2140.6	4341.6	3710.4	3636.3					
#2	2135.8	4339.4	3732.1	3671.4					
#3	2127.3	4328.4	3726.4	3635.2					

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Sample Name: FA33376-8 Acquired: 4/26/2016 12:54:04 Type: Unk
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.022	4.762	0.074	0.336	-0.029	644.0	-0.012	0.011	0.016
Stddev	.0032	.065	.0048	.0010	.0002	2.0	.0000	.0007	.0009
%RSD	149.2	1.369	65.19	3.117	7.746	.3091	1.782	67.53	57.14
#1	-0.049	4.780	.0020	.0347	-.0030	644.3	-.0012	.0006	.0026
#2	-0.030	4.817	.0114	.0335	-.0030	641.9	-.0011	.0007	.0010
#3	.0014	4.690	.0087	.0327	-.0026	645.9	-.0012	.0019	.0011
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.004	5.996	14.55	329.7	1.162	0.069	F 1636.	0.012	-0.007
Stddev	.0016	.033	.00	5	.002	.0007	18.	.0004	.0024
%RSD	418.0	.5553	.0090	.1552	.1906	10.14	1.098	30.93	332.3
#1	-0.019	5.997	14.56	330.1	1.162	.0071	1651.	.0014	-0.020
#2	-0.006	5.963	14.55	329.1	1.164	.0061	1639.	.0014	-0.022
#3	.0013	6.030	14.55	329.8	1.159	.0075	1616.	.0008	.0020
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	-0.0051	0.116	10.62	0.015	12.58	0.043	0.004	0.060	0.584
Stddev	.0046	.0004	.00	.0006	.06	.0060	.0044	.0019	.0005
%RSD	90.39	3.050	.0419	42.71	.4550	5.791	214.0	33.43	.8035
#1	-0.012	.0114	10.63	.0008	12.58	.1083	-.0030	.0074	.0588
#2	-0.039	.0120	10.63	.0015	12.53	.1072	-.0028	.0061	.0579
#3	-0.010	.0113	10.62	.0021	12.64	.0973	-.0060	.0036	.0586
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2131.7	4355.1	3682.8	3569.1					
Stddev	3.2	9.0	41.	15.5					
%RSD	.15230	.20698	.11002	.43335					
#1	2135.4	4365.3	3681.8	3570.3					
#2	2129.2	4351.5	3679.3	3583.9					
#3	2130.6	4348.3	3687.2	3553.0					

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Sample Name: FA33376-9 Acquired: 4/26/2016 12:58:38 Type: Unk
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.025	5.273	0.106	0.442	-0.029	602.8	-0.014	0.023	0.049
Stddev	.0022	.085	.0086	.0017	.0002	3.7	.0002	.0001	.0010
%RSD	89.81	1.620	80.91	3.879	7.031	.6202	13.48	6.275	1.494
#1	-0.009	5.359	.0019	.0444	-.0027	606.6	-.0012	.0023	.0639
#2	-0.015	5.188	.0190	.0459	-.0031	602.7	-.0016	.0022	.0658
#3	-0.050	5.272	.0108	.0424	-.0029	599.1	-.0013	.0025	.0652
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.080	10.53	13.46	891.9	1.513	0.108	F 2198.	0.113	0.006
Stddev	.0002	.07	.08	6.1	.010	.0004	3.	.0010	.0048
%RSD	2.702	.6396	.5817	.6867	.6367	4.154	.1488	9.162	821.7
#1	.0078	10.60	13.55	897.8	1.503	.0110	2199.	.0124	.0032
#2	.0080	10.51	13.40	892.5	1.522	.0110	2200.	.0103	.0036
#3	.0082	10.48	13.44	885.5	1.513	.0102	2194.	.0114	-.0050
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0081	0.086	11.23	0.009	11.59	0.0585	-0.0037	0.170	0.063
Stddev	.0038	.0068	.02	.0010	.06	.0008	.0073	.0009	.0006
%RSD	46.83	79.48	.1982	105.7	.5080	1.313	196.1	5.194	1.143
#1	-0.122	.0069	11.22	.0019	11.64	.0583	-.0076	.0178	.0567
#2	-0.049	.0028	11.26	.0010	11.60	.0578	-.0047	.0171	.0566
#3	-0.071	.0161	11.21	-.0001	11.52	.0593	-.0082	.0161	.0555
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2038.6	4221.8	3594.1	3543.7					
Stddev	1.9	5.0	113.	28.7					
%RSD	.09080	.11876	.31518	.81022					
#1	2037.3	4218.8	3604.9	3511.6					
#2	2040.7	4218.9	3582.3	3552.6					
#3	2037.8	4227.6	3595.1	3567.0					

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Sample Name: FA33376-10 Acquired: 4/26/2016 13:03:13 Type: Unk
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.030	14.77	0.061	0.727	-0.023	672.4	-0.013	0.059	0.165
Stddev	.0012	.05	.0022	.0009	.0002	1.9	.0002	.0003	.0012
%RSD	40.99	3.157	35.58	1.206	7.183	.2897	18.67	4.751	7.500
#1	-0.027	14.81	.0064	.0735	-.0021	670.2	-.0012	.0060	.0177
#2	-0.020	14.72	.0038	.0718	-.0023	673.9	-.0011	.0061	.0153
#3	-0.044	14.79	.0082	.0728	-.0024	673.2	-.0016	.0056	.0165
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.101	11.08	16.68	242.2	2.534	0.131	F 690.4	0.186	-0.053
Stddev	.0007	.05	.10	.6	.0005	.0003	3.4	.0004	.0013
%RSD	6.708	.4749	.5775	.2356	.2114	2.408	.4928	2.269	25.42
#1	.0099	11.09	16.79	241.7	.2532	.0129	686.7	.0184	-0.055
#2	.0096	11.12	16.62	242.8	.2530	.0130	691.2	.0183	-0.065

Sample Name: FA33376-11 Acquired: 4/26/2016 13:07:41 Type: Unk
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.016	0.903	-0.004	0.493	-0.032	1166.	-0.010	0.064	0.124
Stddev	.0005	.0340	.0044	.0006	.0002	4.	.0002	.0006	.0010
%RSD	30.62	3.780	1221.	1.305	7.697	.3706	21.26	9.055	8.229
#1	-0.021	.8614	-0.047	.0485	-0.029	1170.	-0.008	.0067	.0117
#2	-0.011	.9247	.0041	.0496	-0.033	1166.	-0.009	.0057	.0136
#3	-0.018	.9147	-0.005	.0497	-0.034	1162.	-0.012	.0068	.0121
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.032	2.821	28.26	578.3	2.856	0.107	F 5100.	0.211	-0.091
Stddev	.0016	.034	.19	1.8	.006	.0008	45.	.0014	.0064
%RSD	49.38	1.196	.6664	.3041	.2234	7.107	.8747	6.823	69.67
#1	.0049	2.853	28.17	580.4	2.857	.0102	5141.	.0226	-0.061
#2	.0028	2.823	28.12	577.5	2.849	.0104	5108.	.0210	-0.164
#3	.0018	2.786	28.47	577.1	2.862	.0116	5053.	.0198	-0.049
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0087	0.026	6.091	-0.004	F 21.73	0.233	-0.034	-0.026	0.050
Stddev	.0034	.0048	.056	.0012	.12	.0007	.0071	.0014	.0008
%RSD	39.64	182.2	.9166	304.5	.5533	3.149	206.5	52.68	1.606
#1	-0.114	.0068	6.144	-0.002	21.67	.0225	-0.112	-0.016	.0509
#2	-0.099	-0.026	6.097	-0.017	21.86	.0235	-0.019	-0.042	.0496
#3	-0.048	.0038	6.032	.0007	21.64	.0239	.0028	-0.020	.0494
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1887.1	4025.4	33711.	3535.1					
Stddev	4.4	8.3	97.	10.6					
%RSD	.23384	.20603	.28746	.30004					
#1	1891.6	4031.2	33693.	3524.4					
#2	1882.8	4015.9	33816.	3545.6					
#3	1886.9	4029.1	33625.	3535.2					

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Sample Name: CCV Acquired: 4/26/2016 13:12:26 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.538	41.48	2.010	2.044	2.062	41.86	2.044	2.046	2.059
Stddev	.0005	.21	.005	.006	.009	.17	.002	.002	.003
%RSD	.1946	.5093	.2643	.2752	.4280	.4138	.0826	.1017	.1303
#1	.2542	41.54	2.005	2.048	2.067	41.82	2.043	2.044	2.056
#2	.2532	41.65	2.010	2.045	2.067	42.06	2.044	2.047	2.058
#3	.2538	41.24	2.016	2.037	2.052	41.72	2.046	2.047	2.062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.038	40.51	41.63	41.96	2.070	2.022	40.56	2.040	2.015
Stddev	.007	.14	.21	.28	.006	.005	.17	.001	.001
%RSD	.3409	.3373	.4983	.6733	.3081	.2474	.4219	.0568	.0623
#1	2.037	40.55	41.62	41.66	2.070	2.017	40.68	2.039	2.016
#2	2.033	40.62	41.84	42.21	2.064	2.021	40.63	2.039	2.016
#3	2.046	40.36	41.43	42.01	2.076	2.027	40.36	2.041	2.014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.014	2.025	1.452	2.060	2.065	2.040	2.036	2.020	2.041
Stddev	.004	.003	.004	.004	.008	.008	.005	.003	.003
%RSD	.2151	.1531	.2812	.2063	.4088	.4090	.2518	.1653	.1495
#1	2.009	2.022	1.449	2.058	2.067	2.041	2.042	2.021	2.044
#2	2.016	2.026	1.452	2.057	2.072	2.031	2.031	2.016	2.038
#3	2.017	2.027	1.457	2.065	2.056	2.048	2.035	2.023	2.040
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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7.3

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Sample Name: CCV Acquired: 4/26/2016 13:12:26 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2249.0	4647.4	40038.	3611.0
Stddev	2.1	4.9	224.	34.2
%RSD	.09484	.10450	.55932	.94659
#1	2248.7	4653.0	39910.	3643.4
#2	2247.0	4644.0	40297.	3575.3
#3	2251.3	4645.3	39908.	3614.3

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Sample Name: CCB Acquired: 4/26/2016 13:16:36 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	-0.0197	0.003	-0.004	-0.005	0.003	0.000	0.000	-0.005
Stddev	.0002	.0065	.0003	.0003	.0000	.0033	.000	.0000	.0002
%RSD	84.20	32.83	136.4	75.43	4.083	1084.	149.8	82.61	37.74
#1	-0.006	-0.123	.006	-0.001	-0.005	.0015	.0000	.0001	-0.003
#2	-0.001	-0.243	.002	-0.007	-0.005	-0.035	-0.001	.0000	-0.006
#3	-0.002	-0.227	.000	-0.005	-0.005	.0029	.0000	.0000	-0.006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	-0.043	-0.066	-0.108	-0.003	0.003	0.1188	-0.001	-0.004
Stddev	.0003	.0041	.0138	.0096	.0000	.0003	.0087	.0002	.0006
%RSD	95.83	94.80	20.73	89.62	9.603	96.44	7.297	266.8	154.0
#1	-0.006	-0.010	-0.057	-0.017	-0.003	.0006	.1236	-0.001	-0.005
#2	.0000	-0.031	-0.076	-0.097	-0.003	.0003	.1088	.0001	.0003
#3	-0.003	-0.089	-0.0731	-0.029	-0.003	.0000	.1240	-0.003	-0.009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.005	0.003	0.015	-0.001	-0.004	0.000	0.010	-0.002	-0.002
Stddev	.0003	.0020	.0004	.0003	.0001	.0001	.0007	.0002	.0001
%RSD	65.78	582.1	26.65	369.2	20.91	301.1	62.31	101.9	30.85
#1	-0.008	.0024	.0016	.0000	-0.003	.0001	.0010	-0.005	-0.003
#2	-0.002	.0002	.0011	.0002	-0.003	.0001	.0017	-0.001	-0.002
#3	-0.004	-0.016	.0019	-0.005	-0.004	.0001	.0004	-0.001	-0.002
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 4/26/2016 13:16:36 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2626.5	4818.1	41935.	3709.8
Stddev	6.3	11.5	258.	19.7
%RSD	.24176	.23900	.61439	.53234
#1	2632.1	4822.7	41807.	3721.1
#2	2627.8	4826.7	41766.	3687.0
#3	2619.6	4805.0	42231.	3721.4

Sample Name: FA33376-12 Acquired: 4/26/2016 13:21:09 Type: Unk
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.008	.3258	.0006	.0056	-0.0028	582.7	-0.013	-0.003	-0.013
Stddev	.0009	.0169	.0032	.0006	.0002	2.5	.0002	.0003	.0013
%RSD	107.8	5.178	494.8	11.34	5.767	.4347	18.37	111.3	93.55
#1	.0001	.3074	.0041	.0053	-0.0026	579.8	-0.010	-0.001	-0.011
#2	-0.0016	.3405	-0.0021	.0051	-0.0029	583.7	-0.014	-0.001	-0.0027
#3	-0.0009	.3295	-0.0001	.0063	-0.0028	584.6	-0.015	-0.006	-0.002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0015	.1519	12.32	81.27	.0090	.0035	39.65	.0007	-0.0064
Stddev	.0008	.0182	.18	.28	.0003	.0003	.07	.0006	.0037
%RSD	56.95	11.96	1.477	.3491	2.811	9.428	.1861	86.95	57.19
#1	-0.0024	.1710	12.18	80.94	.0090	.0038	39.57	.0000	-0.0065
#2	-0.0008	.1348	12.53	81.43	.0092	.0034	39.71	.0010	-0.0101
#3	-0.0012	.1499	12.25	81.44	.0087	.0032	39.67	.0011	-0.0027
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0064	.0188	4.254	-0.0012	6.457	.0137	-0.0061	.0031	.0319
Stddev	.0017	.0071	.000	.0013	.026	.0020	.0062	.0006	.0002
%RSD	27.17	38.01	.0063	107.6	.4011	14.81	100.5	19.54	.5519
#1	-0.0048	.0268	4.254	-0.0026	6.427	.0150	.0006	.0028	.0319
#2	-0.0060	.0161	4.254	-0.0011	6.473	.0147	-0.0076	.0026	.0320
#3	-0.0082	.0133	4.253	.0000	6.471	.0113	-0.0114	.0038	.0317
Int. Std. Avg	2388.5	4593.6	39718.	3696.4					
Stddev	3.4	3.2	138.	19.3					
%RSD	.14363	.07045	.34640	.52246					
#1	2386.7	4596.4	39684.	3716.8					
#2	2392.5	4590.0	39601.	3678.4					
#3	2386.4	4594.4	39870.	3694.1					

7.3
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Sample Name: FA33376-13 Acquired: 4/26/2016 13:25:41 Type: Unk
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.0017	2.096	.0039	.0155	-0.0026	511.6	-0.0010	-0.0003	.0015
Stddev	.0006	.097	.0009	.0012	.0001	2.4	.0002	.0006	.0007
%RSD	36.46	4.616	23.72	7.833	4.033	4.671	22.56	196.0	46.27
#1	-0.0011	2.183	.0038	.0150	-0.0026	512.2	-0.0010	-0.0008	.0013
#2	-0.0017	2.114	.0048	.0169	-0.0028	509.0	-0.0009	-0.0003	.0009
#3	-0.0024	1.992	.0030	.0146	-0.0025	513.7	-0.0013	-0.0004	.0022
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0007	1.223	16.87	187.3	.0211	.0100	356.5	.0139	-0.0049
Stddev	.0002	.017	.21	1.0	.0001	.0005	1.5	.0005	.0032
%RSD	21.94	1.386	1.224	.5317	.6676	4.905	4.152	3.591	64.73
#1	-0.0008	1.220	16.85	187.2	.0210	.0095	356.6	.0133	-0.0073
#2	-0.0008	1.208	16.68	186.4	.0211	.0104	355.0	.0140	-0.0062
#3	-0.0005	1.241	17.09	188.4	.0213	.0102	357.9	.0143	-0.0013
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0048	.0194	6.492	-0.0004	6.411	.0778	-0.0013	.0055	.0243
Stddev	.0082	.0021	.042	.0008	.037	.0194	.0068	.0018	.0002
%RSD	171.3	11.07	.6515	203.2	.5769	24.91	510.7	33.02	.7193
#1	-0.0142	.0212	6.532	-0.0007	6.418	.0609	.0064	.0070	.0243
#2	-0.0006	.0170	6.495	-0.0005	6.371	.0736	-0.0063	.0035	.0242
#3	.0005	.0199	6.448	-0.0011	6.445	.0990	-0.0041	.0059	.0245
Int. Std. Avg	2297.8	4539.3	38941.	3624.1					
Stddev	1.3	5.2	115.	28.4					
%RSD	.05550	.11429	.29543	.78355					
#1	2299.2	4533.5	38981.	3613.9					
#2	2296.9	4543.4	39031.	3656.1					
#3	2297.1	4541.1	38811.	3602.1					

Sample Name: FA33376-14 Acquired: 4/26/2016 13:30:10 Type: Unk
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0021	3.597	.0348	.0209	-0.0028	508.6	-0.0010	.0002	.0010
Stddev	.0013	.002	.0065	.0024	.0004	1.2	.0003	.0007	.0004
%RSD	63.03	.0562	18.60	11.35	14.71	2.274	25.96	464.8	45.51
#1	-0.0006	3.594	.0420	.0191	-0.0024	507.2	-0.0011	.0005	.0007
#2	-0.0031	3.598	.0331	.0236	-0.0032	509.1	-0.0007	.0007	.0008
#3	-0.0025	3.597	.0294	.0200	-0.0029	509.3	-0.0012	.0007	.0015
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0004	1.731	17.20	58.49	.0461	1.735	F 3991.	.0058	-0.0060
Stddev	.0006	.040	.21	.19	.0002	.0006	24.	.0005	.0024
%RSD	148.3	2.310	1.245	.3171	.3819	.3285	.6000	8.077	39.69
#1	.0010	1.775	17.07	58.34	.0459	1.742	3987.	.0056	-0.0033
#2	.0002	1.696	17.08	58.69	.0463	1.733	3970.	.0054	-0.0073
#3	-0.0001	1.724	17.45	58.43	.0462	1.731	4017.	.0063	-0.0075
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0044	.0287	8.130	-0.0015	5.245	.0679	-0.0067	.0192	.0657
Stddev	.0057	.0099	.071	.0024	.007	.0025	.0052	.0007	.0006
%RSD	128.8	34.57	.8721	155.7	.1265	3.631	78.40	3.730	.8927
#1	.0000	.0349	8.159	-0.0034	5.237	.0705	-0.0043	.0195	.0653
#2	-0.0024	.0340	8.182	-0.0025	5.247	.0655	-0.0126	.0197	.0654
#3	-0.0108	.0173	8.049	.0012	5.250	.0678	-0.0031	.0183	.0664
Int. Std. Avg	1997.3	4238.8	35234.	3584.9					
Stddev	.6	9.5	127.	8.0					
%RSD	.02893	.22465	.35923	.22422					
#1	1997.5	4243.9	35265.	3587.8					
#2	1996.7	4227.8	35094.	3591.1					
#3	1997.8	4244.7	35341.	3575.8					

Sample Name: FA33376-15 Acquired: 4/26/2016 13:34:48 Type: Unk
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	-0.0095	0.011	0.092	-0.006	30.75	-0.003	0.016	-0.002
Stddev	0.001	0.0068	0.011	0.001	0.000	10	0.000	0.001	0.002
%RSD	36.43	71.71	99.07	1.165	6.548	33.91	13.55	6.621	108.9
#1	-0.004	-0.117	0.002	0.091	-0.006	30.82	-0.003	0.017	0.001
#2	-0.003	-0.149	0.024	0.093	-0.005	30.63	-0.002	0.015	-0.003
#3	-0.002	-0.018	0.009	0.092	-0.006	30.80	-0.003	0.016	-0.004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.000	-0.133	6.546	7.673	0.732	-0.008	10.49	0.113	-0.006
Stddev	0.000	0.024	0.203	0.42	0.003	0.001	0.3	0.002	0.005
%RSD	234.3	17.82	3.096	5.523	35.11	9.045	2.910	1.495	95.08
#1	0.000	-0.142	6.410	7.716	0.733	-0.007	10.52	0.113	-0.010
#2	0.000	-0.152	6.449	7.673	0.729	-0.008	10.48	0.111	-0.002
#3	0.000	-0.106	6.779	7.631	0.734	-0.009	10.47	0.115	-0.006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.016	0.020	3.911	-0.002	7.707	-0.001	-0.011	-0.002	0.393
Stddev	0.009	0.006	0.04	0.000	0.043	0.001	0.005	0.002	0.002
%RSD	55.42	29.36	0.934	23.41	0.5897	38.74	40.88	120.8	3.858
#1	-0.022	0.018	3.908	-0.001	7.256	-0.002	-0.006	-0.004	0.392
#2	-0.021	0.026	3.909	-0.002	7.180	-0.001	-0.015	-0.002	0.393
#3	-0.006	0.015	3.915	-0.002	7.185	-0.001	-0.012	0.000	0.395
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2480.7	4661.3	4074.9	3711.9					
Stddev	2.8	4.1	87	19.5					
%RSD	0.11279	0.08745	2.1288	0.52423					
#1	2480.1	4661.1	4083.0	3703.8					
#2	2483.8	4665.4	4076.0	3734.1					
#3	2478.3	4657.3	4065.8	3697.8					

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Sample Name: FA33381-1 Acquired: 4/26/2016 13:39:16 Type: Unk
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.007	-0.0091	0.011	0.102	-0.006	32.62	-0.002	0.016	-0.003
Stddev	0.003	0.0102	0.006	0.002	0.000	50	0.001	0.001	0.002
%RSD	50.87	111.8	51.59	2.307	7.584	1.541	24.40	4.716	54.21
#1	-0.003	-0.206	0.004	0.104	-0.006	33.19	-0.002	0.015	-0.003
#2	-0.010	-0.055	0.014	0.101	-0.006	32.26	-0.002	0.016	-0.001
#3	-0.007	-0.012	0.014	0.100	-0.005	32.39	-0.003	0.016	-0.005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.001	-0.117	6.741	8.289	0.790	-0.009	11.42	0.123	-0.009
Stddev	0.001	0.007	0.336	0.146	0.002	0.002	0.14	0.003	0.003
%RSD	64.12	5.599	4.981	1.766	0.228	19.81	1.216	2.332	30.17
#1	0.000	-0.111	6.828	8.438	0.792	-0.012	11.58	0.127	-0.010
#2	-0.002	-0.115	7.026	8.178	0.790	-0.008	11.34	0.122	-0.011
#3	-0.002	-0.124	6.371	8.192	0.789	-0.008	11.33	0.121	-0.006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.010	0.016	4.607	0.001	7.517	0.000	-0.006	-0.001	1.403
Stddev	0.007	0.013	0.24	0.001	0.071	0.000	0.005	0.001	0.008
%RSD	76.56	80.17	5.303	110.3	0.9381	47.130	97.03	55.15	5.881
#1	-0.007	0.026	4.606	0.000	7.598	0.000	-0.003	-0.001	1.410
#2	-0.004	0.022	4.582	0.001	7.469	0.000	-0.002	-0.002	1.394
#3	-0.018	0.001	4.631	0.002	7.484	0.000	-0.012	-0.001	1.405
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2399.4	4504.1	3970.6	3550.6					
Stddev	16.2	31.2	135	41.4					
%RSD	0.67680	0.69316	3.3911	1.1662					
#1	2392.1	4498.6	3969.0	3503.0					
#2	2418.0	4537.7	3958.0	3578.8					
#3	2388.0	4476.0	3984.8	3569.9					

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7.3
7

Sample Name: FA33381-2 Acquired: 4/26/2016 13:43:44 Type: Unk
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	-0.170	-0.011	-0.008	-0.005	0.538	-0.002	-0.002	-0.005
Stddev	0.002	0.030	0.007	0.002	0.000	0.058	0.000	0.000	0.001
%RSD	38.13	17.60	59.26	19.85	8.284	10.79	21.21	9.913	15.32
#1	-0.003	-0.137	-0.017	-0.010	-0.005	0.604	-0.002	-0.002	-0.005
#2	-0.006	-0.196	-0.014	-0.008	-0.005	0.493	-0.002	-0.002	-0.004
#3	-0.006	-0.176	-0.004	-0.007	-0.006	0.519	-0.002	-0.002	-0.006
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.005	-0.196	-0.150	-0.061	-0.004	-0.009	1.137	-0.004	-0.007
Stddev	0.000	0.040	0.112	0.093	0.000	0.001	0.039	0.002	0.004
%RSD	8.525	20.65	74.57	154.0	12.00	7.302	3.451	50.77	51.29
#1	-0.004	-0.206	-0.021	-0.054	-0.004	-0.009	1.132	-0.002	-0.007
#2	-0.005	-0.151	-0.218	-0.029	-0.005	-0.008	1.100	-0.004	-0.011
#3	-0.005	-0.230	-0.212	-0.157	-0.004	-0.010	1.178	-0.006	-0.003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.011	0.007	0.212	-0.002	-0.004	-0.009	-0.003	-0.003	0.023
Stddev	0.006	0.012	0.008	0.002	0.001	0.000	0.009	0.000	0.001
%RSD	57.99	170.5	3.941	119.9	16.71	3.579	32.19	13.86	5.636
#1	-0.006	0.019	0.211	-0.003	-0.005	-0.009	-0.013	-0.004	0.023
#2	-0.008	-0.005	0.220	-0.003	-0.003	-0.009	0.005	-0.003	0.025
#3	-0.018	0.006	0.204	0.001	-0.004	-0.009	0.000	-0.003	0.023
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2616.0	4765.1	4153.8	3700.1					
Stddev	2.6	2.6	45.1	5.0					
%RSD	0.10123	0.0552	1.0850	1.3541					
#1	2618.6	4762.0	4113.8	3694.6					
#2	2613.3	4766.6	4144.9	3701.1					
#3	2616.2	4766.5	4202.6	3704.5					

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Sample Name: FA33381-23 Acquired: 4/26/2016 13:48:18 Type: Unk
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	-0.096	0.100	0.089	-0.006	30.91	-0.003	0.014	-0.003
Stddev	0.003	0.008	0.007	0.002	0.000	0.4	0.000	0.001	0.001
%RSD	54.97	89.59	67.36	1.956	5.146	1.283	18.78	3.778	51.96
#1	-0.007	-0.084	0.104	0.089	-0.005	30.94	-0.003	0.014	-0.003
#2	-0.006	-0.187	0.105	0.091	-0.006	30.93	-0.003	0.014	-0.001
#3	-0.002	-0.017	0.102	0.088	-0.006	30.86	-0.002	0.014	-0.004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203

Sample Name: DI CHECK Acquired: 4/26/2016 13:52:46 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.272	0.008	-0.007	-0.006	-0.094	-0.002	-0.002	-0.007
Stddev	.0002	.0089	.0005	.0004	.0000	.0018	.0000	.0000	.0002
%RSD	249.1	32.62	60.43	47.99	5.339	19.08	15.96	25.91	25.70
#1	.0001	-0.253	.0003	-0.011	-0.007	-0.092	-0.002	-0.001	-0.008
#2	-0.004	-0.194	.0013	-0.005	-0.006	-0.113	-0.002	-0.001	-0.005
#3	-0.001	-0.369	.0008	-0.006	-0.006	-0.077	-0.002	-0.002	-0.007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	-0.201	-0.635	-0.303	-0.005	-0.005	0.287	-0.002	-0.005
Stddev	.0002	.0041	.0351	.0066	.0000	.0003	.0100	.0001	.0006
%RSD	69.93	20.33	55.27	21.71	5.476	58.20	34.84	66.25	133.9
#1	-0.003	-0.193	-0.346	-0.378	-0.005	-0.008	.0226	-0.003	-0.002
#2	-0.006	-0.165	-0.533	-0.254	-0.005	-0.002	.0403	-0.001	-0.012
#3	-0.001	-0.245	-1.026	-0.277	-0.005	-0.005	.0233	-0.002	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.025	-0.006	0.029	-0.006	-0.006	-0.009	0.016	-0.003	-0.005
Stddev	.0012	.0025	.0002	.0002	.0000	.0001	.0007	.0000	.0000
%RSD	50.40	417.6	6.343	26.90	3.642	14.35	41.85	17.66	6.546
#1	-0.032	-0.003	.0028	-0.005	-0.007	-0.007	.0009	-0.002	-0.005
#2	-0.031	-0.032	.0027	-0.005	-0.006	-0.009	.0016	-0.003	-0.005
#3	-0.010	.0017	.0031	-0.008	-0.006	-0.010	.0022	-0.002	-0.005

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: DI CHECK Acquired: 4/26/2016 13:52:46 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2634.7	4717.9	4085.3	3728.0
Stddev	7.8	18.6	22.	29.4
%RSD	.29626	.39462	.05493	.78955
#1	2643.4	4737.6	4084.3	3724.3
#2	2628.2	4700.7	4087.8	3759.2
#3	2632.5	4715.3	4083.7	3700.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: FA33376-4 Acquired: 4/26/2016 14:01:53 Type: Unk
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 50.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.092	-0.500	0.022	-0.283	-0.295	525.7	-0.095	-0.047	-0.239
Stddev	.0199	.4430	.0432	.0045	.0010	1.9	.0007	.0056	.0048
%RSD	217.1	886.7	1991.	15.92	3.478	3629.	6.916	118.0	20.25
#1	-0.252	-4.993	.0181	-0.324	-0.284	523.5	-0.087	-0.111	-0.285
#2	.0131	-0.371	-0.468	-0.290	-0.302	527.2	-0.098	-0.010	-0.189
#3	-0.154	.3865	.0352	-0.235	-0.300	526.3	-0.099	-0.020	-0.244

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.144	-5.231	21.17	269.6	-0.127	-0.223	1787.	0.208	0.003
Stddev	.0031	.2267	2.95	1.3	.0009	.0052	3.	.0019	.0365
%RSD	21.50	43.33	13.95	.5000	6.794	23.42	.1660	9.366	11780.
#1	-0.147	-2.629	24.52	268.0	-0.122	-0.199	1785.	.0225	.0252
#2	-0.173	-6.778	20.04	270.6	-0.137	-0.283	1785.	.0212	-0.416
#3	-0.111	-6.285	18.94	270.1	-0.122	-0.187	1791.	.0187	.0174

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.543	0.150	4.584	-0.186	8.267	0.002	-0.070	0.154	0.3620
Stddev	.0345	.0798	.036	.0080	.028	.0130	.0599	.0126	.0035
%RSD	63.48	531.6	.7911	42.93	.3332	5797.	853.3	81.99	9532
#1	-0.729	.0681	4.561	-0.098	8.236	-0.059	.0526	.0110	.3589
#2	-0.755	.0537	4.626	-0.254	8.276	-0.086	-0.071	.0297	.3614
#3	-0.145	-0.768	4.564	-0.205	8.289	.0151	-0.066	.0056	.3657

Int. Std. In2306 Y_2243 Y_3600 Y_3710
 Avg 2485.4 4696.7 4082.3 3747.6
 Stddev 5.1 13.7 52. 11.8
 %RSD .20389 .29095 .12796 .31393

#1	2487.8	4711.4	4086.8	3750.7
#2	2488.8	4694.2	4083.5	3757.5
#3	2479.6	4684.4	4076.5	3734.6

Sample Name: CCV Acquired: 4/26/2016 14:06:25 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2526	40.77	2.080	2.021	2.052	40.62	2.079	2.062	2.055
Stddev	.0005	.15	.007	.004	.009	.21	.003	.003	.008
%RSD	.2030	.3629	.3576	.1892	.4431	.5126	.1645	.1352	.3684
#1	.2522	40.82	2.072	2.022	2.052	40.63	2.076	2.060	2.061
#2	.2532	40.60	2.082	2.017	2.043	40.41	2.077	2.062	2.047
#3	.2524	40.88	2.087	2.025	2.061	40.83	2.083	2.065	2.058

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.036	40.04	40.46	40.47	2.099	2.039	40.76	2.086	2.027
Stddev	.003	.13	.22	.22	.007	.004	.07	.005	.004
%RSD	.1323	.3216	.5405	.5352	.3134	.1905	.1787	.2422	.2113
#1	2.039	39.87	40.44	40.39	2.087	2.045	40.70	2.088	2.036
#2	2.034	40.12	40.83	40.80	2.088	2.047	40.84	2.096	2.032
#3	2.034	40.12	40.83	40.80	2.088	2.047	40.84	2.096	2.032

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.076	2.078	1.493	2.065	2.032	2.075	2.052	2.045	2.093
Stddev	.007	.006	.002	.003	.008	.003	.006	.006	.006
%RSD	.3600	.2672	.1353	.1633	.3904	.1237	.2834	.2725	.2698
#1	2.068	2.078	1.491	2.062	2.036	2.078	2.047	2.051	2.091
#2	2.082	2.073	1.495	2.064	2.022	2.075	2.059	2.040	2.088
#3	2.078	2.084	1.493	2.068	2.036	2.073	2.052	2.045	2.099

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 4/26/2016 14:06:25 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2244.7	4574.1	3992.0	3739.5
Stddev	3.3	7.6	133.	20.8
%RSD	.14514	.16608	.33375	.55512
#1	2247.7	4582.6	39781.	3748.8
#2	2241.2	4571.6	39933.	3754.0
#3	2245.1	4568.1	40046.	3715.7

Sample Name: CCB Acquired: 4/26/2016 14:10:36 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.005	-0.0071	.0005	.0000	.0000	.0033	.0001	.0001	-0.002
Stddev	.0001	.0043	.0003	.000	.000	.0032	.0000	.0000	.0002
%RSD	27.88	61.27	70.19	246.1	276.8	94.68	60.49	69.18	109.9
#1	-0.005	-0.0057	.0008	-0.002	.0001	.0066	.0001	.0002	.0000
#2	-0.006	-0.0036	.0002	.0001	-0.001	.0031	.0000	.0000	-0.003
#3	-0.003	-0.0119	.0005	-0.001	-0.001	.0003	.0000	.0001	-0.004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-0.001	.0061	-0.170	-0.126	-0.001	.0004	.0338	.0001	-0.003
Stddev	.0002	.0044	.0294	.0188	.0001	.0002	.0053	.0002	.0002
%RSD	180.6	71.75	173.1	149.4	58.53	66.44	15.71	166.1	85.67
#1	.0001	.0102	-0.227	.0091	.0000	.0006	.0394	.0003	-0.003
#2	-0.003	.0065	.0148	-0.244	-0.002	.0001	.0332	.0001	-0.004
#3	-0.002	.0015	-0.432	-0.225	-0.002	.0003	.0288	-0.001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	-0.001	.0018	.0018	.0002	-0.001	.0002	-0.001	.0001	-0.001
Stddev	.0005	.0011	.0005	.0005	.0001	.0002	.0010	.0001	.0000
%RSD	435.5	62.14	28.28	280.8	218.7	91.06	1648.	47.70	30.61
#1	-0.005	.0005	.0013	.0001	.0000	.0005	.0007	.0002	-0.001
#2	.0005	.0022	.0023	-0.003	.0000	.0001	-0.012	.0001	-0.001
#3	-0.004	.0026	.0017	.0007	-0.002	.0001	.0003	.0001	-0.002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 4/26/2016 14:10:36 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2628.4	4774.7	41681.	3814.5
Stddev	1.4	4.9	47.	42.5
%RSD	.05397	.10243	.11353	1.1137
#1	2627.6	4773.4	41667.	3823.2
#2	2627.6	4770.6	41642.	3851.9
#3	2630.0	4780.1	41734.	3768.3

Sample Name: FA33376-5 Acquired: 4/26/2016 14:15:09 Type: Unk
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 50.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-0.161	15.43	.0097	.0344	-0.249	562.7	-0.076	-0.017	-0.005
Stddev	.0129	.41	.0156	.0073	.0015	3.5	.0007	.0035	.0091
%RSD	80.12	2.683	161.6	21.37	5.957	6286	9.291	209.3	1673.
#1	-0.019	14.99	.0175	.0398	-0.241	564.2	-0.074	.0009	.0074
#2	-0.271	15.82	.0198	.0373	-0.239	565.2	-0.084	-0.003	.0015
#3	-0.193	15.46	-0.083	.0260	-0.266	558.6	-0.070	-0.057	-0.015

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	-0.083	10.37	22.62	107.4	.1523	.1271	3668.	.0125	-0.147
Stddev	.0096	.35	2.54	1.4	.0010	.0086	7.	.0049	.0204
%RSD	115.1	3.394	11.23	1.297	.6773	6.739	.1920	39.32	138.4
#1	.0017	10.22	23.28	108.2	.1522	.1205	3664.	.0071	-0.227
#2	-0.173	10.11	19.81	108.2	.1514	.1239	3676.	.0167	-0.299
#3	-0.094	10.77	24.76	105.8	.1534	.1367	3663.	.0137	.0084

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	-0.579	.0519	25.29	-0.180	6.874	5.084	.0651	.0288	.4149
Stddev	.0232	.0679	.34	.0084	.018	.1491	.0305	.0053	.0038
%RSD	40.15	130.8	1.341	46.72	.2605	29.33	46.80	18.26	.9228
#1	-0.560	-0.171	25.58	-0.147	6.854	.4793	.0904	.0230	.4151
#2	-0.356	.0542	25.37	-0.117	6.882	.3760	.0313	.0332	.4187
#3	-0.820	.1187	24.92	-0.275	6.887	.6700	.0737	.0301	.4110

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2413.2	4643.6	39812.	3685.5
Stddev	1.0	2.1	141.	24.4
%RSD	.04211	.04426	.35394	.66253
#1	2412.3	4642.1	39943.	3659.7
#2	2413.1	4642.7	39831.	3688.7
#3	2414.3	4645.9	39663.	3708.2

Sample Name: FA33376-6 Acquired: 4/26/2016 14:19:40 Type: Unk
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.035	0.300	-0.087	0.079	-0.059	649.0	-0.022	-0.008	-0.037
Stddev	0.021	0.348	0.062	0.027	0.008	3.1	0.004	0.008	0.018
%RSD	60.30	116.3	71.76	34.76	13.57	4.705	20.46	96.06	49.96
#1	-0.034	0.644	-0.026	0.068	-0.050	652.3	-0.019	-0.013	-0.018
#2	-0.056	-0.052	-0.150	0.058	-0.065	648.5	-0.019	-0.012	-0.037
#3	-0.014	0.307	-0.084	0.110	-0.062	646.2	-0.027	0.001	-0.055
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	-0.029	-0.206	13.79	231.8	9200	0.044	322.8	0.016	-0.036
Stddev	0.007	0.293	2.1	1.3	0.020	0.015	1.7	0.004	0.073
%RSD	24.55	142.4	1.518	0.5431	0.2125	35.21	5.121	27.96	204.1
#1	-0.034	-0.171	13.85	232.8	9180	0.057	324.4	0.014	-0.118
#2	-0.031	-0.514	13.55	230.4	9200	0.027	322.9	0.013	-0.023
#3	-0.021	0.068	13.95	232.0	9219	0.046	321.1	0.021	-0.012
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.125	0.039	4.606	-0.033	10.45	0.064	0.026	-0.030	0.773
Stddev	0.110	0.034	0.15	0.029	0.05	0.012	0.082	0.004	0.006
%RSD	87.54	89.28	3.201	89.82	0.5200	18.96	310.7	13.38	0.7647
#1	-0.143	0.004	4.604	-0.038	10.51	0.073	0.037	-0.026	0.767
#2	-0.225	0.038	4.621	-0.001	10.44	0.050	-0.060	-0.031	0.779
#3	-0.008	0.073	4.592	-0.059	10.41	0.069	0.102	-0.034	0.773
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2370.6	4516.0	39389.	3713.2					
Stddev	4.2	4.9	72.	17.6					
%RSD	0.17734	0.10877	0.18195	0.47331					
#1	2370.4	4520.9	39431.	3694.5					
#2	2374.8	4516.0	39430.	3729.4					
#3	2366.4	4511.1	39307.	3715.6					

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Sample Name: FA33376-8 Acquired: 4/26/2016 14:24:10 Type: Unk
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 50.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.023	3.980	-0.019	0.028	-0.031	664.6	-0.094	-0.064	-0.223
Stddev	0.012	0.216	0.049	0.059	0.022	3.9	0.025	0.020	0.109
%RSD	49.95	5.436	191.4	209.9	6.894	5.836	26.75	31.31	49.05
#1	-0.199	4.226	-0.025	0.069	-0.031	667.6	-0.122	-0.053	-0.284
#2	-0.045	3.892	0.012	-0.040	-0.034	666.0	-0.075	-0.051	-0.289
#3	-0.126	3.820	-0.043	0.056	-0.046	660.2	-0.084	-0.087	-0.097
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	0.049	5.357	12.41	334.0	1.229	-0.377	1783.	-0.013	-0.410
Stddev	0.108	0.286	1.49	3	0.08	0.064	6	0.120	0.142
%RSD	221.8	5.332	12.03	0.939	6.263	17.06	3.229	917.9	34.69
#1	0.040	5.615	13.01	334.0	1.237	-0.413	1789.	-0.109	-0.519
#2	0.160	5.406	13.50	334.3	1.221	-0.414	1782.	-0.052	-0.249
#3	-0.055	5.050	10.71	333.7	1.228	-0.302	1777.	0.122	-0.463
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-1.108	-0.208	10.82	-0.029	12.96	0.875	0.050	-0.160	-0.5246
Stddev	0.458	0.043	0.06	0.081	0.07	0.278	0.047	0.047	0.030
%RSD	41.35	202.0	5.904	38.92	0.5496	31.74	917.2	29.15	0.5633
#1	-0.579	-0.416	10.75	-0.141	13.04	0.683	-0.321	-0.212	0.5224
#2	-1.374	0.278	10.84	-0.187	12.96	0.749	-0.090	-0.143	0.5234
#3	-1.371	-0.487	10.88	-0.299	12.89	0.1194	0.561	-0.123	0.5280
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2457.1	4616.8	40264.	3806.5					
Stddev	5.3	17.8	77.	21.6					
%RSD	0.21498	0.38546	0.19028	0.56857					
#1	2462.1	4634.9	40312.	3798.2					
#2	2451.6	4615.9	40304.	3790.2					
#3	2457.6	4599.4	40176.	3831.0					

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7.3
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Sample Name: FA33376-11 Acquired: 4/26/2016 14:28:40 Type: Unk
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 100.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.061	-0.4426	-0.054	0.008	-0.031	1288.	-0.194	-0.067	-0.296
Stddev	0.111	0.3695	0.048	0.167	0.022	7.	0.011	0.087	0.107
%RSD	183.4	83.48	98.88	2101.	3.550	0.5220	5.639	130.8	35.94
#1	0.189	-0.7634	0.057	0.180	-0.0641	1291.	-0.202	-0.088	-0.417
#2	-0.005	-0.5259	-0.0716	-0.0154	-0.0647	1292.	-0.181	-0.141	-0.257
#3	-0.002	-0.0386	-1.002	-0.001	-0.0605	1280.	-0.198	0.029	-0.215
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0205	1.210	22.03	627.0	3.193	-1.059	6685.	0.179	-0.438
Stddev	0.232	0.536	1.37	6.4	0.01	0.145	37.	0.116	0.326
%RSD	113.0	44.28	6.197	1.014	0.0398	13.65	0.5528	64.60	74.44
#1	0.0311	0.6589	20.51	632.4	3.194	-1.171	6675.	0.233	-0.191
#2	-0.061	1.729	22.46	628.5	3.192	-1.111	6726.	0.046	-0.035
#3	0.0364	1.242	23.13	620.0	3.192	-0.896	6654.	0.258	-0.807
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.2198	0.324	6.459	-0.199	23.62	0.064	0.012	-0.0464	1.161
Stddev	0.0305	0.2181	1.02	0.0356	0.25	0.0396	0.0426	0.0226	0.07
%RSD	13.90	674.0	1.577	178.9	1.056	620.1	46.71	48.73	6.154
#1	-0.2414	0.1177	6.528	-0.180	23.63	-0.193	0.1398	-0.0617	1.155
#2	-0.2331	0.1949	6.507	0.147	23.87	-0.135	0.0604	-0.0571	1.158
#3	-0.1848	-0.2155	6.342	-0.0565	23.37	0.519	0.733	-0.204	1.169
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2408.3	4608.0	39867.	3808.9					
Stddev	7.1	6.4	50.	18.0					
%RSD	0.29482	0.13978	0.12463	0.47185					
#1	2401.1	4600.6	39849.	3808.5					
#2	2408.3	4611.6	39924.	3791.2					
#3	2415.3	4611.8	39829.	3827.1					

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Sample Name: FA33376-13 Acquired: 4/26/2016 14:33:13 Type: Unk
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 50.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.141	1.108	-0.093	-0.012	-0.288	525.2	-0.094	-0.040	-0.230
Stddev	0.044	0.264	0.045	0.183	0.056	4.7	0.010	0.042	0.029
%RSD	31.12	23.85	48.39	86.13	19.37	9.025	10.81	105.1	12.83
#1	-0.155	1.370	-0.143	-0.0353	-0.324	527.7	-0.106	-0.073	-0.196
#2	-0.091	1.111	-0.059	-0.0277	-0.316	519.7	-0.088	-0.056	-0.252
#3	-0.175	0.849	-0.075	-0.006	-0.224	528.1	-0.089	0.008	-0.240
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203

Sample Name: FA33346-1 Acquired: 4/26/2016 14:37:46 Type: Unk
Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 250.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0526	-3577	-1390	-0972	-1592	1355.	-0466	-0225	-1092
Stddev	.0875	.922	.0604	.0329	.0098	4.	.0156	.0157	.0288
%RSD	166.4	25.78	43.46	33.89	6.127	.3295	33.56	69.82	26.41
#1	-0454	-4.584	-0697	-1318	-1630	1356.	-0549	-0255	-1177
#2	-1435	-2.773	-1803	-0937	-1665	1358.	-0286	-0055	-1328
#3	.0311	-3.375	-1670	-0662	-1481	1350.	-0564	-0365	-0770
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0093	-4.702	46.19	14.80	-1112	-1506	14650.	-0554	-0983
Stddev	.0460	.516	3.15	3.23	.0053	.0141	17.	.0829	.0605
%RSD	494.8	10.98	6.814	21.81	4.740	9.333	.1138	149.7	61.57
#1	-0513	-4.114	42.59	15.18	-1111	-1422	14670.	-0232	-1498
#2	.0399	-5.078	47.52	11.40	-1060	-1668	14640.	-1496	-0316
#3	-0166	-4.916	48.44	17.82	-1166	-1428	14650.	.0066	-1134
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-3059	3.297	-1075	21.24	-1555	-2242	-0864	2.497	
Stddev	.1320	.1960	.093	.0507	.09	.0106	.4116	.0634	.026
%RSD	43.14	55.85	2.818	47.16	.4349	6.816	183.6	73.45	1.050
#1	-3724	.1249	3.350	-0919	21.34	-1587	.0229	-0388	2.521
#2	-1539	4532	3.190	-1642	21.24	-1436	.0040	-0619	2.500
#3	-3913	4745	3.351	-0665	21.15	-1640	-6994	-1584	2.469
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2447.2	4621.3	39987.	3790.5					
Stddev	1.4	2.4	94.	19.8					
%RSD	.05550	.05231	.23554	.52186					
#1	2448.5	4623.9	39987.	3774.7					
#2	2445.8	4620.8	39893.	3812.7					
#3	2447.4	4619.2	40082.	3784.2					

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Sample Name: FA33376-1 Acquired: 4/26/2016 14:42:18 Type: Unk
Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 50.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0136	6258	-0219	-0071	-0334	665.5	-0097	-0061	-0130
Stddev	.0098	.2387	.0238	.0026	.0027	2.5	.0022	.0067	.0097
%RSD	72.49	38.15	108.5	36.15	8.209	.3819	22.33	110.6	74.44
#1	-0172	.4535	-0019	-0055	-0339	665.5	-0102	-0114	-0242
#2	-0024	.8983	-0483	-0059	-0305	662.9	-0073	.0015	-0077
#3	-0210	.5256	-0156	-0101	-0359	667.9	-0115	-0082	-0071
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0087	8981	25.45	465.4	.0122	-0182	2284.	.0020	-0276
Stddev	.0115	.1079	1.70	1.8	.0006	.0078	15.	.0029	.0079
%RSD	131.8	12.02	6.680	.3839	5.036	42.55	.6651	146.8	28.74
#1	-0186	.8076	23.51	466.1	.0128	-0104	2267.	-0004	-0348
#2	.0039	1.018	26.16	463.4	.0123	-0183	2294.	.0053	-0191
#3	-0113	.8690	26.68	466.8	.0116	-0259	2292.	.0011	-0290
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0608	.0047	7.738	-0103	12.18	.0061	.0077	-0194	.3970
Stddev	.0279	.0263	.015	.0188	.10	.0084	.0308	.0090	.0031
%RSD	45.85	554.6	.1954	183.0	.8094	137.5	398.8	46.46	.7920
#1	-0298	.0349	7.747	.0039	12.08	.0149	-0278	-0100	.3945
#2	-0837	-0072	7.721	-0032	12.27	.0052	.0275	-0280	.3960
#3	-0690	-0135	7.747	-0315	12.18	-0018	.0234	-0202	.4005
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2450.0	4616.6	40240.	3824.2					
Stddev	1.4	14.5	163.	22.1					
%RSD	.05914	.31509	.40410	.57724					
#1	2451.0	4630.6	40071.	3828.1					
#2	2450.7	4617.4	40396.	3844.0					
#3	2448.3	4601.6	40252.	3800.4					

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7.3
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Sample Name: FA33376-2 Acquired: 4/26/2016 14:46:50 Type: Unk
Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0033	23.54	.0070	.1316	-0044	664.8	.0081	.0369	
Stddev	.0009	.22	.0106	.0011	.0004	2.8	.0007	.0004	.0023
%RSD	26.79	9318	152.9	.8269	10.11	.4239	30.04	4.621	6.232
#1	-0026	23.71	-0025	.1313	-0045	663.6	-0030	.0085	.0376
#2	-0043	23.62	.0050	.1328	-0039	668.1	-0016	.0078	.0343
#3	-0030	23.29	.0184	.1307	-0048	662.8	-0026	.0080	.0387
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0189	22.77	22.44	255.5	2577	.0280	664.3	.0291	-0078
Stddev	.0015	.08	.48	2.2	.0016	.0009	3.1	.0013	.0019
%RSD	7.905	.3712	2.149	.8651	.6261	3.194	.4637	4.372	24.44
#1	.0204	22.69	22.89	254.4	.2579	.0270	666.0	.0298	-0096
#2	.0187	22.85	22.49	258.1	.2560	.0287	666.1	.0276	-0080
#3	.0175	22.77	21.93	254.0	.2593	.0284	660.7	.0299	-0058
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0137	.0288	34.66	-0012	8.787	.2718	.0057	.0364	.1492
Stddev	.0138	.0205	.20	.0020	.049	.0050	.0106	.0010	.0012
%RSD	101.1	71.13	.5736	163.3	.5580	1.848	185.1	2.642	.8083
#1	-0030	.0145	34.88	-0031	8.836	.2714	-0060	.0367	.1505
#2	-0088	.0196	34.60	.0009	8.786	.2670	.0086	.0372	.1491
#3	-0293	.0522	34.50	-0015	8.738	.2770	.0147	.0353	.1481
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2334.5	4510.4	39360.	3761.6					
Stddev	6.6	10.1	120.	26.6					
%RSD	.28198	.22349	.30415	.70761					
#1	2326.9	4498.9	39223.	3772.7					
#2	2337.9	4517.6	39446.	3731.2					
#3	2338.6	4514.6	39410.	3780.9					

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Sample Name: FA33376-7 Acquired: 4/26/2016 14:51:20 Type: Unk
Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 25.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0089	4.236	.0131	.0359	-0143	635.5	-0044	.0000	-0107
Stddev	.0045	.152	.0047	.0030	.0008	.7	.0017	.001	.0015
%RSD	51.31	3.592	35.41	8.392	5.834	.1163	37.28	5405.	14.24
#1	-0132	4.284	.0078	.0368	-0141	634.6	-0026	.0012	-0123
#2	-0092	4.066	.0151	.0383	-0135	635.8	-0058	-0012	-0106
#3	-0042	4.359	.0165	.0325	-0152	636.0	-0050	-0001	-0092
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0094	7.993	13.61	328.0	1.082	-0151	1434.	.0032	.0011
Stddev	.0059	.115	.49	1.1	.003	.0021	1.	.0044	.0156
%RSD	62.65	1.442	3.593	.3368	.2358	13.93	.0683	136.3	1453.
#1	-0045	7.860	13.65	328.5	1.079	-0172	1435.	.0083	-0088
#2	-0077	8.055	13.10	328.8	1.084	-0130	1434.	.0010	-0190
#3	-0159	8.064	14.07	326.7	1.084	-0151	1434.	.0003	-0070
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)		

Sample Name: FA33376-9 Acquired: 4/26/2016 14:55:51 Type: Unk
Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 50.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.199	6.050	0.108	0.153	-0.307	646.4	-0.116	-0.049	0.460
Stddev	.0113	.027	.0480	.0142	.0012	3.0	.0028	.0017	.0075
%RSD	56.95	.4493	445.3	93.00	4.027	.4649	24.32	35.49	16.39
#1	-0.187	6.081	.0186	.0284	-.0321	649.8	-.0090	-.0067	.0509
#2	-.0092	6.038	-.0406	.0002	-.0301	644.2	-.0146	-.0047	0.374
#3	-.0318	6.030	.0544	.0172	-.0299	645.2	-.0114	-.0032	0.499
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.018	11.22	12.91	929.9	1.658	-0.451	2479.	.0024	-0.397
Stddev	.0076	.05	1.65	5.4	.006	.0055	9.	.0101	.0251
%RSD	64.58	.4264	12.81	.5771	.3582	12.30	.3685	414.8	63.14
#1	-.0034	11.28	11.72	936.1	1.651	-.0387	2482.	.0112	-.0568
#2	-.0183	11.20	14.80	927.2	1.662	-.0483	2468.	.0047	-.0515
#3	-.0136	11.20	12.22	926.5	1.660	-.0482	2485.	-.0086	-.0109
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.497	0.058	14.48	-0.091	12.26	1.848	0.488	0.038	2.964
Stddev	.0092	.0101	.16	.0222	.07	.0820	.0345	.0056	.0030
%RSD	18.41	175.2	1.125	244.4	.5780	44.39	70.83	147.1	1.015
#1	-.0550	.0044	14.52	-.0348	12.28	.1086	.0306	.0103	.2996
#2	-.0550	.0165	14.62	.0043	12.18	.1743	.0886	.0013	.2957
#3	-.0392	-.0036	14.30	.0032	12.31	.2716	.0271	-.0001	.2937
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2428.1	4614.4	40138.	3725.1					
Stddev	1.1	8.8	114.	14.0					
%RSD	.04437	.19067	.28380	.37584					
#1	2429.3	4615.0	40251.	3717.6					
#2	2427.3	4622.9	40139.	3716.5					
#3	2427.8	4605.3	40023.	3741.3					

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Sample Name: CCV Acquired: 4/26/2016 15:00:21 Type: QC
Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.542	40.81	2.107	2.024	2.062	40.76	2.100	2.079	2.065
Stddev	.0016	.10	.003	.004	.005	.07	.002	.001	.006
%RSD	.6194	.2504	.1168	.2212	.2578	.1708	.0732	.0679	.2885
#1	.2558	40.92	2.109	2.028	2.067	40.83	2.101	2.078	2.071
#2	.2541	40.73	2.105	2.025	2.060	40.76	2.098	2.078	2.059
#3	.2526	40.77	2.107	2.019	2.057	40.69	2.100	2.081	2.064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.042	40.25	40.70	40.72	2.107	2.057	41.05	2.118	2.048
Stddev	.011	.17	.06	.17	.007	.001	.09	.000	.005
%RSD	.5472	.4271	.1362	.4239	.3363	.0339	.2093	.0211	.2377
#1	2.055	40.44	40.68	40.90	2.115	2.056	41.15	2.117	2.052
#2	2.037	40.22	40.77	40.72	2.102	2.057	41.02	2.118	2.043
#3	2.034	40.10	40.66	40.55	2.105	2.057	40.98	2.118	2.049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.104	2.106	1.509	2.076	2.031	2.094	2.072	2.071	2.117
Stddev	.004	.003	.002	.004	.006	.008	.002	.008	.003
%RSD	.2134	.1373	.1200	.1680	.2966	.3989	.0830	.4037	.1164
#1	2.107	2.108	1.508	2.078	2.038	2.103	2.071	2.080	2.119
#2	2.105	2.103	1.508	2.078	2.027	2.089	2.070	2.064	2.115
#3	2.099	2.108	1.511	2.072	2.028	2.089	2.074	2.069	2.116
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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7.3
7

Sample Name: CCV Acquired: 4/26/2016 15:00:21 Type: QC
Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2236.3	4542.0	39863.	3739.7
Stddev	4.7	9.6	170.	13.7
%RSD	.20842	.21179	.42730	.36593
#1	2240.2	4551.5	39667.	3723.9
#2	2231.1	4532.3	39975.	3746.7
#3	2237.5	4542.1	39946.	3748.4

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Sample Name: CCB Acquired: 4/26/2016 15:04:33 Type: QC
Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.001	-0.008	0.006	-0.007	-0.005	-0.047	0.000	0.001	-0.002
Stddev	.0004	.0029	.0002	.0002	.0001	.0020	.0000	.0001	.0000
%RSD	459.9	33.19	33.13	25.80	18.56	43.49	54.55	148.1	6.802
#1	-.0002	-.0093	.0007	-.0005	-.0006	-.0034	.0000	.0002	-.0002
#2	.0006	-.0056	.0004	-.0008	-.0005	-.0036	.0000	.0000	-.0002
#3	-.0001	-.0114	.0008	-.0008	-.0004	-.0070	.0000	.0001	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	-0.077	-0.175	0.002	-0.002	0.002	0.239	0.000	-0.004
Stddev	.0001	.0007	.0190	.0292	.0000	.0002	.0065	.0001	.0001
%RSD	56.05	8.676	108.4	16230.	13.15	114.6	27.08	334.8	28.52
#1	-.0004	-.0070	.0036	-.0318	-.0003	.0004	.0314	.0001	-.0004
#2	-.0001	-.0083	-.0229	.0068	-.0002	.0001	.0201	.0000	-.0003
#3	-.0003	-.0078	-.0333	.0255	-.0002	.0000	.0203	.0000	-.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.010	0.010	0.015	-0.001	-0.005	0.001	0.004	-0.001	-0.002
Stddev	.0009	.0021	.0003	.0002	.0000	.0001	.0008	.0001	.0001
%RSD	87.83	200.3	17.91	216.9	9.790	79.70	225.0	100.9	44.36
#1	-.0015	.0021	.0017	.0000	-.0005	.0000	-.0001	-.0001	-.0001
#2	.0000	.0023	.0012	-.0003	-.0005	.0002	.0014	-.0001	-.0002
#3	-.0015	-.0013	.0016	.0001	-.0005	.0001	-.0001	.0000	-.0003
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 4/26/2016 15:04:33 Type: QC
Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 5 columns: Int. Std. Units, In2306 Cts/S, Y_2243 Cts/S, Y_3600 Cts/S, Y_3710 Cts/S. Rows include Avg, Stddev, %RSD and sample results #1, #2, #3.

Sample Name: FA33376-10 Acquired: 4/26/2016 15:09:06 Type: Unk
Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 20.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns for elements: Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Sample Name: FA33376-14 Acquired: 4/26/2016 15:13:38 Type: Unk
Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 100.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns for elements: Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Sample Name: FA33376-3 Acquired: 4/26/2016 15:18:11 Type: Unk
Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 200.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns for elements: Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Sample Name: CRIA Acquired: 4/26/2016 15:22:46 Type: Unk
Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0092	.1955	.0106	.2067	.0047	1.051	.0055	.0561	.0107
Stddev	.0002	.0026	.0002	.0014	.0001	.006	.0001	.0001	.0003
%RSD	2.484	1.317	1.460	.6718	1.942	.5293	1.737	.1849	3.094
#1	.0091	.1960	.0107	.2082	.0048	1.053	.0055	.0562	.0109
#2	.0091	.1927	.0107	.2062	.0047	1.045	.0056	.0560	.0103
#3	.0095	.1978	.0105	.2056	.0047	1.055	.0055	.0562	.0108
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0275	.3074	10.28	5.241	.0168	10.58	.0458	.0044	
Stddev	.0001	.0041	.03	.010	.0000	.0002	.01	.0002	.0005
%RSD	.4566	1.333	.3385	.1861	.2069	.4487	.0688	.4778	10.70
#1	.0273	.3076	10.31	5.230	.0169	10.58	.0459	.0045	
#2	.0275	.3032	10.27	5.248	.0168	10.57	.0461	.0039	
#3	.0275	.3113	10.25	5.244	.0169	10.57	.0456	.0048	
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0044	.0117	.0555	.0561	.0097	.0100	.0109	.0521	.0246
Stddev	.0007	.0025	.0003	.0002	.0001	.0001	.0005	.0004	.0001
%RSD	15.55	21.36	.3385	.4338	.7724	.4999	4.433	.6731	.4448
#1	.0038	.0135	.0559	.0561	.0098	.0100	.0111	.0523	.0247
#2	.0051	.0128	.0552	.0563	.0096	.0101	.0104	.0523	.0245
#3	.0043	.0088	.0554	.0558	.0097	.0100	.0112	.0517	.0245
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2511.2	4673.3	4086.0	3797.9					
Stddev	3.9	13.0	59.	21.4					
%RSD	.15596	.27743	.14487	.56291					
#1	2511.8	4661.0	4089.2	3775.3					
#2	2514.8	4686.9	4089.7	3817.8					
#3	2507.1	4672.0	4079.2	3800.5					

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Sample Name: ICSA Acquired: 4/26/2016 15:27:15 Type: Unk
Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	F 504.7	-0.028	.0007	-0.006	482.1	.0004	-0.002	.0009
Stddev	.0003	6.8	.0004	.0005	.0000	4.8	.0002	.0002	.0003
%RSD	37.22	1.340	14.28	69.48	7.386	9884	45.73	76.62	31.16
#1	-0.012	497.0	-0.023	.0006	-0.006	477.6	.0003	-0.001	.0013
#2	-0.007	507.6	-0.031	.0012	-0.007	481.8	.0006	-0.002	.0009
#3	-0.006	509.6	-0.029	.0002	-0.006	487.1	.0003	-0.004	.0007
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.010	188.2	-0.408	F 523.9	-0.006	-0.005	2240	.0001	.0037
Stddev	.0004	.6	.0159	3.3	.0000	.0004	.0076	.0001	.0023
%RSD	38.07	.3361	38.95	.6249	5.996	81.20	3.414	114.3	63.30
#1	-0.006	187.7	-0.332	521.0	-0.006	-0.009	2289	.0001	.0063
#2	-0.011	188.0	-0.302	523.1	-0.006	-0.005	2152	.0002	.0028
#3	-0.014	188.9	-0.591	527.4	-0.007	-0.001	2280	.0000	.0019
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0008	-0.005	.0623	.0014	-0.004	-0.003	-0.015	.0007	-0.032
Stddev	.0007	.0008	.0008	.0003	.0001	.0001	.0013	.0005	.0002
%RSD	84.56	171.2	1.247	22.54	24.70	45.25	85.74	71.35	5.78
#1	.0013	-0.010	.0617	.0011	-0.003	-0.003	-0.015	.0010	-0.030
#2	.0012	.0005	.0621	.0017	-0.004	-0.001	-0.002	.0009	-0.034
#3	.0000	-0.009	.0632	.0013	-0.005	-0.003	-0.027	.0001	-0.031
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1970.1	4231.7	3592.3	3516.0					
Stddev	2.6	7.1	118.	31.8					
%RSD	.12984	.16775	.32777	.90309					
#1	1972.6	4235.1	3580.2	3545.0					
#2	1970.3	4223.5	3603.8	3520.9					
#3	1967.5	4236.5	3592.8	3482.0					

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7.3
7

Sample Name: IC SAB Acquired: 4/26/2016 15:31:54 Type: Unk
Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F 1.053	F 501.3	1.121	.5240	.5235	482.4	.9857	.4844	.5183
Stddev	.002	3.1	.002	.0037	.0018	2.1	.0007	.0006	.0009
%RSD	.1940	.6094	.2085	.7155	.3514	.4437	.0661	.1317	.1684
#1	1.055	497.9	1.124	.5227	.5231	480.5	.9858	.4837	.5175
#2	1.054	503.8	1.119	.5212	.5219	482.0	.9850	.4845	.5192
#3	1.051	502.2	1.121	.5283	.5255	484.7	.9863	.4850	.5183
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5516	188.6	-0.383	F 517.4	.5216	.9606	.2093	.9876	.9893
Stddev	.0017	.9	.0060	2.7	.0003	.0019	.0066	.0010	.0010
%RSD	.3153	.5034	.1577	.5302	.0549	.1993	3.161	1.052	1.021
#1	.5528	187.5	-.0411	514.4	.5213	.9586	.2117	.9864	.9897
#2	.5525	188.9	-.0313	518.2	.5219	.9607	.2018	.9881	.9900
#3	.5496	189.3	-.0424	519.7	.5215	.9624	.2144	.9883	.9881
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.053	1.053	.1005	.9431	1.026	1.024	.9735	4.861	.9944
Stddev	.001	.002	.0009	.0017	.006	.001	.0023	.0014	.0016
%RSD	.0785	.1455	.8806	.1837	.5738	.0878	.2381	2.858	.1612
#1	1.053	1.053	.1011	.9415	1.022	1.023	.9741	4.853	.9935
#2	1.053	1.054	.0995	.9428	1.023	1.025	.9755	4.853	.9963
#3	1.052	1.051	.1009	.9449	1.033	1.024	.9710	4.877	.9935
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1941.1	4205.3	3597.5	3527.3					
Stddev	.8	10.4	43.	23.6					
%RSD	.04144	.24658	.11927	.66877					
#1	1941.2	4210.2	3602.3	3554.5					
#2	1941.8	4212.3	3594.0	3513.9					
#3	1940.2	4193.4	3596.3	3513.4					

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Sample Name: CCV Acquired: 4/26/2016 15:36:22 Type: QC
Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.543	40.68	2.106	2.008	2.060	40.55	2.107	2.083	2.073
Stddev	.0012	.10	.003	.003	.001	.12	.002	.003	.008
%RSD	.4767	.2540	.1335	.1295	.0454	.3003	.0808	.1571	.3790
#1	.2555	40.66	2.103	2.005	2.059	40.44	2.105	2.081	2.081
#2	.2531	40.80	2.107	2.010	2.061	40.68	2.108	2.082	2.070
#3	.2541	40.59	2.108	2.009	2.060	40.54	2.108	2.087	2.066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.043	40.20	40.30	40.51	2.118	2.065	41.05	2.124	2.052
Stddev	.002	.07	.04	.14	.007	.003	.11	.002	.002
%RSD	.0926	.1828	.0977	.3526	.3339	.1665	.2757	.1127	.0929
#1	2.043	40.12	40.25	40.35	2.126	2.061	40.92	2.122	2.054
#2	2.045	40.27	40.31	40.62	2.117	2.064	41.08	2.124	2.051
#3	2.042	40.19	40.32	40.56	2.112	2.068	41.14	2.127	2.051
Check ?	Chk Pass	Chk Pass	Chk Pass						

Sample Name: CCV Acquired: 4/26/2016 15:36:22 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2237.2	4542.7	3975.3	3726.5
Stddev	8.1	13.7	161.	5.7
%RSD	.36011	.30206	.40515	.15415
#1	2228.3	4533.2	39570.	3722.2
#2	2244.0	4558.4	39817.	3724.3
#3	2239.2	4536.3	39873.	3733.0

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Sample Name: CCB Acquired: 4/26/2016 15:40:32 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0158	-0.003	.0000	.0001	.0172	.0001	.0001	.0000
Stddev	.0002	.0143	.0006	.0002	.0000	.0050	.0001	.0001	.000
%RSD	253.5	90.06	220.2	1985.	70.59	29.17	119.0	91.64	1340.
#1	-0.003	.0300	-0.002	.0002	.0001	.0192	.0001	.0002	.0001
#2	.0001	.0160	-0.010	.0001	.0001	.0209	.0000	.0001	.0002
#3	.0000	.0015	.0003	-0.003	.0000	.0115	.0000	.0000	-0.004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0144	-0.005	-0.0092	.0000	.0006	.0146	.0000	-0.0001
Stddev	.0000	.0043	.0108	.0119	.000	.0003	.0104	.0001	.0003
%RSD	40.64	30.24	26.81	128.5	107.6	43.07	70.92	151.3	218.1
#1	.0001	.0194	-0.0466	-0.170	.0000	.0009	.0226	.0001	-0.004
#2	.0000	.0121	-0.0469	-0.151	.0000	.0005	.0183	.0000	-0.002
#3	.0001	.0116	-0.279	.0044	.0000	.0004	.0029	.0000	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.010	.0015	.0016	.0003	.0000	.0003	.0005	.0002	-0.0001
Stddev	.0010	.0020	.0004	.0004	.000	.0001	.0006	.0000	.0000
%RSD	99.46	132.7	21.96	144.4	9066.	27.82	111.8	19.55	30.63
#1	-0.008	.0032	.0015	.0008	.0001	.0004	.0000	.0001	-0.0001
#2	-0.001	.0019	.0020	.0000	.0000	.0003	.0011	.0002	-0.0001
#3	-0.021	-0.007	.0014	.0001	-0.002	.0002	.0004	.0002	-0.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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Sample Name: CCB Acquired: 4/26/2016 15:40:32 Type: QC
 Method: 60102007_042011(v82) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2621.4	4741.3	41477.	3752.1
Stddev	2.0	.7	50.	11.6
%RSD	.07762	.01544	.11954	.30916
#1	2622.0	4741.7	41524.	3738.8
#2	2619.1	4740.4	41425.	3760.0
#3	2623.1	4741.8	41480.	3757.6

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Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000009	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000077	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000005	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000091	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000000	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000016	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000110	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000010	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000041	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000058	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000025	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	0.000028	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000035	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	-0.000013	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000007	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	4/26/2016 9:13:58	4/26/2016 9:13:58	Linear	1/Conc	0.000022	0.568904	0.000000	1.000000
Al 396.152 { 85}	4/26/2016 9:13:58	4/26/2016 9:13:58	Linear	1/Conc	0.004655	0.220820	0.000000	1.000000
As 189.042 {478}	4/26/2016 9:13:58	4/26/2016 9:13:58	Linear	1/Conc	-0.000668	0.153474	0.000000	1.000000
Ba 455.403 { 74}	4/26/2016 9:13:58	4/26/2016 9:13:58	Linear	1/Conc	0.007587	9.000103	0.000000	1.000000
Be 313.042 {108}	4/26/2016 9:13:58	4/26/2016 9:13:58	Linear	1/Conc	0.006197	10.533602	0.000000	1.000000
Ca 317.933 {106}	4/26/2016 9:13:58	4/26/2016 9:13:58	Linear	1/Conc	0.007955	0.234570	0.000000	1.000000
Cd 226.502 {449}	4/26/2016 9:13:58	4/26/2016 9:13:58	Linear	1/Conc	-0.000687	4.387407	0.000000	1.000000
Co 228.616 {447}	4/26/2016 9:13:58	4/26/2016 9:13:58	Linear	1/Conc	-0.000456	2.483959	0.000000	1.000000
Cr 267.716 {126}	4/26/2016 9:13:58	4/26/2016 9:13:58	Linear	1/Conc	0.000058	0.494860	0.000000	1.000000
Cu 324.754 {104}	4/26/2016 9:13:58	4/26/2016 9:13:58	Linear	1/Conc	0.006579	0.876484	0.000000	1.000000
Fe 259.940 {130}	4/26/2016 9:13:58	4/26/2016 9:13:58	Linear	1/Conc	0.003134	0.152333	0.000000	1.000000
In 230.606 {446}*	4/26/2016 8:56:22	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	4/26/2016 9:13:58	4/26/2016 9:13:58	Linear	1/Conc	-0.006974	0.095775	0.000000	1.000000
Mg 279.079 {121}	4/26/2016 9:13:58	4/26/2016 9:13:58	Linear	1/Conc	-0.000035	0.023651	0.000000	1.000000
Mn 257.610 {131}	4/26/2016 9:13:58	4/26/2016 9:13:58	Linear	1/Conc	0.001515	2.599869	0.000000	1.000000
Mo 202.030 {467}	4/26/2016 9:13:58	4/26/2016 9:13:58	Linear	1/Conc	0.001431	0.990705	0.000000	1.000000
Na 589.592 { 57}	4/26/2016 9:13:58	4/26/2016 9:13:58	Linear	1/Conc	0.000325	0.406757	0.000000	1.000000
Ni 231.604 {445}	4/26/2016 9:13:58	4/26/2016 9:13:58	Linear	1/Conc	-0.000356	1.466956	0.000000	1.000000
Pb 220.353 {453}	4/26/2016 9:13:58	4/26/2016 9:13:58	Linear	1/Conc	0.000657	0.765407	0.000000	1.000000
Sb 206.833 {463}	4/26/2016 9:13:58	4/26/2016 9:13:58	Linear	1/Conc	0.000922	0.228133	0.000000	1.000000
Se 196.090 {472}	4/26/2016 9:13:58	4/26/2016 9:13:58	Linear	1/Conc	-0.000234	0.105663	0.000000	1.000000
Si 212.412 {459}	4/26/2016 9:13:58	4/26/2016 9:13:58	Linear	1/Conc	0.004767	0.417536	0.000000	1.000000
Sn 189.989 {477}	4/26/2016 9:13:58	4/26/2016 9:13:58	Linear	1/Conc	0.000458	0.343803	0.000000	1.000000
Sr 407.771 { 83}	4/26/2016 9:13:58	4/26/2016 9:13:58	Linear	1/Conc	0.010179	16.150838	0.000000	1.000000
Ti 334.941 {101}	4/26/2016 9:13:58	4/26/2016 9:13:58	Linear	1/Conc	0.002508	1.944388	0.000000	1.000000
Tl 190.856 {477}	4/26/2016 9:13:58	4/26/2016 9:13:58	Linear	1/Conc	-0.001439	0.244830	0.000000	1.000000
V 292.402 {115}	4/26/2016 9:13:58	4/26/2016 9:13:58	Linear	1/Conc	-0.000391	0.666393	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	4/26/2016 9:13:58	4/26/2016 9:13:58	Linear	1/Conc	0.001240	2.025935	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999985	0.000030	0.000357	0.001189	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999833	0.006523	0.008529	0.028430	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999932	0.000144	0.000943	0.003144	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999910	0.009728	0.000266	0.000887	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999937	0.009560	0.000072	0.000242	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999877	0.005921	0.003751	0.012504	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999870	0.005719	0.000053	0.000177	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999897	0.002879	0.000104	0.000348	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999912	0.000528	0.000254	0.000846	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999971	0.000536	0.000215	0.000716	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999822	0.004631	0.002947	0.009823	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999801	0.003081	0.034128	0.113761	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999858	0.000641	0.024287	0.080956	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999755	0.004638	0.000042	0.000142	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999947	0.000823	0.000148	0.000493	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999790	0.013443	0.008393	0.027977	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999846	0.002073	0.000181	0.000602	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999875	0.000977	0.000644	0.002146	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999945	0.000193	0.001022	0.003405	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999940	0.000093	0.001969	0.006563	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.981015	0.006648	0.000401	0.001338	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999717	0.000659	0.000358	0.001195	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999957	0.012066	0.000095	0.000316	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999844	0.002764	0.000099	0.000329	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999934	0.000227	0.001150	0.003835	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999939	0.000585	0.000239	0.000797	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999886	0.002466	0.000084	0.000281	OK	1.000000	0.000000	1	0

Accutest Laboratories SE

Metals Digestion Log Water

DOD+
(MS)

Method of digestion(circle one): SW846-3010A / SW846-3005A / EPA 200.7 / SM3030C

MP #: 30160

Prep Date/Time (mm/dd/yy 24:00): 3/24/16 *8:25 8:40

HotBlock I.D. 5

Thermometer I.D. 204

Correction Factor (°C) -1

Temperature Observed/Corrected (°C) 96, 95

Added^B:

HNO₃

HCL

Lot#

1115100

4115080

Volume

Spk. Sol. ^A	Used(ml)	Pipette #
ACC 938	0.50	10
ACC 894	0.25	10
Met 5361	0.25	10

Dig. Tube Lot#: J220264-261

Sample #	Initial Volume(ml)	pH<2	Final Volume(ml)	Comments
Method Blank(MB)	50.0	N/A	50.0	
Spike Blank(SB)		N/A		
Matrix Spike(MS)		✓		
Matrix Spike Dup(MSD)		✓		
Duplicate(DUP)		✓		
1 QC ^C FA32283-5 ^{D25}		✓		
2	1 14	✓		
3	2 15	✓		
4	3	✓		
5	4	✓		
6	6 ↓	✓		
7	8 B	✓		
8 FA32426-1	10	✓		
9 FA32437-1	5	✓		
10	2 ↓	✓		
11	3 ↓	✓		
12 FA32460-4	10	✓		
13	5 ↓	✓		
14	6 ↓	✓		
15 FA32302-2	25	✓		
16 FA32306-37	1	✓		
17 FA32307-40	1	✓		
18 FA32475-4	5	✓		
19 FA32476-1	11	✓		
20 ^D FA32316-2	4 ↓	✓	↓	
21 ^E				
22 ^E				
23 ^E				
24 ^E	DB			

Analyst: [Signature]

Date: 3/24/16

QC Review: [Signature]

Date: _____

A Used for SB, MS, MSD

B For reagent volumes used consult SOP MET 103, current revision

C Parent sample used to prepare MS, MSD, DUP

D Bottle Number

E Additional matrix QC

* DB 3/24/16

7.4.1
7

5g
dry sieve
DOD (MS)

Accutest Laboratories SE Metals Digestion Log Soil

MP #: 30271

Method of Digestion: SW846-3050B

Prep Date/Time (mm/dd/yy 24:00): 4/25/16 8:47 Spk. Sol. ^A Volume Used (ml) Pipette #
 HotBlock I.D. 6974CECW3279 ACC938 1.00 10
 Thermometer I.D. 213 ACC924 0.50 10
 Correction Factor (°C) -1 MFS377 0.25 10
 Temperature Observed/Corrected (°C) 92.91 Filter Lot#: 150928009
 Balance I.D. ADVPR03 Dig. Tube Lot# 1504103
 Added ^B: H₂O₂ HNO₃ HCL PTFE Boiling Chips
 Lot# 157487 1115100 4115100 R263-SK012

Sample #	Wt. g	Final Volume (ml)	Comments
Method Blank (MB)	5.00	107.00	
Spike Blank (SB)	5.00		
Matrix Spike (MS)	5.08		
Matrix Spike Dup (MSD)	5.14		
Duplicate (DUP)	5.06		
1 QC ^C FA32238-13 ^D 1	5.38		
2	17	5.11	
3	20	5.36	
4	23	5.13	
5	26	5.27	
6	29	5.23	
7	FA32300-1	5.30	
8	4	5.12	
9	7	5.14	
10	10	5.05	
11	11	5.42	
12	16	5.35	
13	19	5.22	
14	22	5.44	
15	25	5.24	
16	28	5.22	
17	31	5.19	
18	34	5.28	
19	D2-FA32238-13	5.12	
20			
21 ^E			
22 ^E			
23 ^E			
24 ^E			

Analyst: [Signature]
 QC Review: [Signature]

Date: 4/25/16
 Date: 4.25.16

A Used for SB, MS, MSD
 B For reagent volumes used consult SOP MET 104, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional Matrix QC
 icpsoidigestionlog012010.xls

Rev 01/20/10 DM

7.4.2
7

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*e-Hardcopy 2.0
Automated Report*

Technical Report for

Kemron Environmental Services, Inc

Ft Ord; CA

07202.2001

SGS Accutest Job Number: FA32306R

Sampling Date: 03/14/16



Report to:

Kemron Environmental Services, Inc
4522 Joe Lloyd Way
Monterey, CA 93944
emiddleditch@gilbaneco.com

ATTN: Eric Middleditch

Total number of pages in report: 84



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Sue Bell 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001)
DoD ELAP (L-A-B L2229), CA (2937), TX (T104704404), PA (68-03573), VA (460177),
AK, AR, GA, KY, MA, NV, OK, UT, WA

This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.
Test results relate only to samples analyzed.

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Sample Summary

Kemron Environmental Services, Inc

Job No: FA32306R

Ft Ord; CA

Project No: 07202.2001

Sample Number	Collected		Matrix Code	Matrix Type	Client Sample ID
	Date	Time By			
FA32306-32R	03/14/16	14:20	KLTR	03/16/16 SO Soil	33-01SC0001
FA32306-33R	03/14/16	14:40	KLTR	03/16/16 SO Soil	33-01SC0002

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE



Client: Kemron Environmental Services, Inc

Job No: FA32306R

Site: Ft Ord; CA

Report Date: 5/19/2016 10:04:21

1 Sample(s) were collected on 03/14/2016 and were received at SGS Accutest Southeast (SASE) on 03/16/2016 properly preserved, at 12 Deg. C and intact. These Samples received an SASE job number of FA32306R. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix: SO

Batch ID: MP30366

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA32306-32RDUP, FA32306-32RMSD, FA32306-32RSDL, FA32306-32RPS were used as the QC samples for metals.

MP30366-S1 for Lead: Spike recovery indicates possible matrix interference and/or sample non-homogeneity. Within lab limits but outside of DOD QSM control limits.

MP30366-PS1 for Lead: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Kim Benham, Client Services (signature on file)

Date: May 19, 2016

Summary of Hits

Job Number: FA32306R
Account: Kemron Environmental Services, Inc
Project: Ft Ord; CA
Collected: 03/14/16



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA32306-32R	33-01SC0001					
Lead		6.6	1.9	0.38	mg/kg	SW846 6010C

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: 33-01SC0001	Date Sampled: 03/14/16
Lab Sample ID: FA32306-32R	Date Received: 03/16/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.1
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	6.6	1.9	0.38	0.094	mg/kg	5	05/18/16	05/18/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13167

(2) Prep QC Batch: MP30366

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Misc. Forms**5****Custody Documents and Other Forms**

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

KL-031416-01
COC # 1-8
FA32306



Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Analytical Test Method SW8330B - Explosives SW6010C - Lead SW8330B - Explosives by ISM SW6010C - Lead by ISM	Code Matrix				
		<table border="1"> <tr><td>SO</td><td>SOIL</td></tr> <tr><td>WQ</td><td>WATER QUALITY CONTROL MATRIX</td></tr> </table>	SO	SOIL	WQ	WATER QUALITY CONTROL MATRIX
SO	SOIL					
WQ	WATER QUALITY CONTROL MATRIX					
Equipment:		Code Container/Preservative				
		<table border="1"> <tr><td>2</td><td>2" 1L amber, 4 degrees C</td></tr> <tr><td>1</td><td>1" 1.0-1.5 kilogram bag</td></tr> <tr><td>13</td><td>1" 250ml poly, with HNO3</td></tr> </table>	2	2" 1L amber, 4 degrees C	1	1" 1.0-1.5 kilogram bag
2	2" 1L amber, 4 degrees C					
1	1" 1.0-1.5 kilogram bag					
13	1" 250ml poly, with HNO3					

Event ID: Basewide Range Assessment Spring 2016													
Sample ID	Matrix	Date	Time	Samp Init.	2	13	1	1	Location ID	Sample Type	Depth (ft bgs) Top - Bottom		
1	SO	03/14/16	0900	KL				X	10-16	NL	0.0	0.5	
2			0918					X	10-16		1.0	1.5	HOLD
3			0925					X	10-16		2.0	2.5	HOLD
4			0945					X	10-04		0.0	0.5	
5			1000					X	10-04		1.0	1.5	HOLD
6			1010					X	10-04		2.0	2.5	HOLD
7			1045					X	10-03		0.0	0.5	
8			1055					X	10-03		1.0	1.5	HOLD
9			1114					X	10-03		2.0	2.5	HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
KL Wong	3/15/16	1630	Fed Ex	3/15/16	1630	15MAR16 / FedEx / 8088 5917 3534
Jerry Ruben	3/15/16	1630	Fed Ex	3/15/16	1630	
				3/16/16	9:25	
Received by Laboratory: (Signature, Date, Time) & condition						③ 12.0 12.1 12.0

ENV COC Record July 06, 2015

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FA32306R: Chain of Custody
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CHAIN-OF-CUSTODY RECORD

Gilbane
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COC # KL-031416-02
FA32306



Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method	SW8330B - Explosives	SW6010C - Lead	SW8330B - Explosives by ISM	SW6010C - Lead by ISM	Code	Matrix
							SO	SOIL
							WQ	WATER QUALITY CONTROL MATRIX
							Code	Container/Preservative
							2	2" 1L amber, 4 degrees C
							1	1" 1.0-1.5 kilogram bag
							13	1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016												
Sample ID	Matrix	Date	Time	Samp Init.	SW8330B	SW6010C	SW8330B	SW6010C	Location ID	Sample Type	Depth (ft bgs)	
											Top	Bottom
10-15SC0000	So	03/14/16	1250	KL					10-15	N1	0.0	0.5
10-15SC0000 Q			1250						10-15	FD	0.0	0.5
10-15SC0001			1310						10-15	N1	1.0	1.5
10-15SC0001 Q			1310						10-15	FD	1.0	1.5
10-15SC0002			1340						10-15	N1	2.0	2.5
10-15SC0002 Q			1340						10-15	FD	2.0	2.5
10-23SC0000			0830	TR					10-23	N1	0.0	0.5
10-23SC0001			0845						10-23	N1	1.0	1.5
10-23SC0002			0900						10-23	N1	2.0	2.5

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
Kaleon	3/15/16	1630	Fed Ex	3/15/16	1630	15MAR16 (FedEx) 8088 5917 3534
Jessica Rula	3/15/16	1630	Fed Ex	3/15/16	1630	
			SLJC	3/16/16	9:15	Received by Laboratory: (Signature, Date, Time) & condition

ENV COC Record
July 06, 2015

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FA32306R: Chain of Custody
Page 2 of 9

CHAIN-OF-CUSTODY RECORD

Gilbane
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16L-031416-03
COC # 1-8
FA32306



Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method	SW8330B - Explosives	SW8610C - Lead	SW8330B - Explosives by ISM	SW8610C - Lead by ISM	Code	Matrix
							SO	SOIL
							Code	Container/Preservative
							2	2" 1L amber, 4 degrees C
							1	1" 1.0-1.5 kilogram bag
							13	1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016

Sample ID	Matrix	Date	Time	Samp Init.	Location ID	Sample Type	Depth (ft bgs) Top - Bottom	
191 10-26 SC0000	So	03/14/16	0930	TR	10-26	N1	0.0 0.5	
202 10-26 SC0001			0945		10-26		1.0 1.5	Hold
213 10-26 SC0002			1000		10-26		2.0 2.5	Hold
224 10-20 SC0000			1050		10-20		0.0 0.5	
225 10-20 SC0001			1100		10-20		1.0 1.5	Hold
226 10-20 SC0002			1105		10-20		2.0 2.5	Hold
227 10-07 SC0000			1125		10-07		0.0 0.5	
228 10-07 SC0001			1132		10-07		1.0 1.5	Hold
229 10-07 SC0002			1145		10-07		2.0 2.5	Hold

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>Kaleoni</i>	3/15/16	1630	<i>FedEx</i>	3/15/16	1630	15MAR16 / FedEx / BOBBS 5917 3534
<i>Jenara Ruka</i>	3/15/16	1630	<i>FedEx</i>	3/15/16	1630	
			<i>[Signature]</i>	3/16/16	9:15	

ENV COC Record
July 06, 2015

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FA32306R: Chain of Custody
Page 3 of 9

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
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(303) 269-9724 EMiddleditch@GilbaneCo.com

KL-031416-04
COC # 1-8



FA32306

Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method	SW6330B - Explosives	SW6010C - Lead	SW6330B - Explosives by ISM	SW6010C - Lead by ISM	Code	Matrix
							SO	SOIL
							Code	Container/Preservative
							2	2" 1L amber, 4 degrees C
							1	1" 1.0-1.5 kilogram bag
							13	1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016											
Sample ID	Matrix	Date	Time	Samp Init.					Location ID	Sample Type	Depth (ft bgs) Top - Bottom
1 33-10 SC0000	SO	03/14/16	1335	TR			X		33-10	NI	0.0 0.5
2 33-10 SC0001			1345				X		33-10		1.0 1.5 HOLD
3 33-10 SC0002			1355				X		33-10		2.0 2.5 HOLD
4 33-01 SC0000			1412				X		33-01		0.0 0.5
5 33-01 SC0001			1420				X		33-01		1.0 1.5 HOLD
6 33-01 SC0002			1440				X		33-01		2.0 2.5 HOLD
7 33-11 SC0000			1505				X		33-11		0.0 0.5
8 33-11 SC0001			1520				X		33-11		1.0 1.5 HOLD
9 33-11 SC0002			1535				X		33-11		2.0 2.5 HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>K. Leonard</i>	3/15/16	1630	FedEx	3/15/16	1630	15MAR16 / FedEx / 8088 9917 3936
<i>Teresa Raba</i>	3/15/16	1630	<i>[Signature]</i>	3/16/16	9:15	Received by Laboratory: (Signature, Date, Time) & condition

5.1
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FA32306R: Chain of Custody
Page 4 of 9

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd, Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # KL-031416-05

FA32306



Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Analytical Test Method SW8330B - Explosives SW6010C - Lead SW8330B - Explosives by ISM SW6010C - Lead by ISM	Code Matrix
		SO SOIL WQ WATER QUALITY CONTROL MATRIX
Equipment:		Code Container/Preservative
		2 2" 1L amber, 4 degrees C 1 1" 1.0-1.5 kilogram bag 13 1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016									
Sample ID	Matrix	Date	Time	Samp Init.			Location ID	Sample Type	Depth (ft bgs) Top - Bottom
1	33-ER-155C	03/14/16	1630	TR	X		FIELD QC	EB	NA NA
2									
3									
4									
5									
6									
7									
8									
9									

Cooler #	Turnaround Time: 14 Days					
Relinquished by: (Signature) K R Low	Date 3/15/16	Time 1630	Received by: (Signature) FedEx	Date 3/14/16	Time 1630	Shipping Date / Carrier / Airbill Number 15MAR16 / FedEx / 8080 5417 3534
Jason Rubin	3/15/16	1630	[Signature]	3/14/16	9:15	Received by Laboratory: (Signature, Date, Time) & condition

ENV COC Record
July 06, 2015

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5

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F132306 CLIENT: Gilbane PROJECT: Fort Ord
DATE/TIME RECEIVED: 3/16/16 9:15 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 3
METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER DELIVERY OTHER: _____
AIRBILL NUMBERS: 8088 8917 8466

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM _____ 5-GRAM _____
NUMBER OF 5035 FIELD KITS ? _____
NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- IR THERM ID 1 CORR. FACTOR 10.2
- OBSERVED TEMPS: _____
- CORRECTED TEMPS: _____ (USED FOR LIMS)

SAMPLE INFORMATION

- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- % SOLIDS JAR NOT RECEIVED
- RESIDUAL CHLORINE PRESENT LOT# _____

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

TEST STRIP LOT#s pH 0-3 204413A pH 10-12 219813A OTHER (specify) _____

SUMMARY OF COMMENTS: Received with no ice

TECHNICIAN SIGNATURE/DATE: [Signature] 3/16/16 REVIEWER SIGNATURE/DATE: [Signature] 3/16/16
NF 11/15 receipt confirmation 111015.xls

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3 of 5
MPS# 7826 0316 8666
Metri# 8088 8917 3534
WED - 16 MAR 10:30A
PRIORITY OVERNIGHT
0215
32811
FL-US MCO



universal
www.myuniversalop.com
phone: 1-888-758-4676
UNV12113
MADE IN USA

QC Evaluation: DOD QSM5 Limits

Job Number: FA32306R
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 03/14/16

QC Sample ID	CAS#	Analyte	Sample Result Type	Result Type	Result	Units	Limits
MP30366	SW846 6010C						
MP30366-B1	7439-92-1	Lead	BSP	REC	91	%	81-112
MP30366-S1	7439-92-1	Lead	MS	REC	115 ^a	%	81-112
MP30366-S2	7439-92-1	Lead	MSD	REC	107.5	%	81-112
MP30366-S2	7439-92-1	Lead	MSD	RPD	.6	%	20
MP30366-D1	7439-92-1	Lead	DUP	RPD	5.9	%	20
MP30366-D2	7439-92-1	Lead	DUP	RPD	12.8	%	20

(a) Spike recovery indicates possible matrix interference and/or sample non-homogeneity.

* Sample used for QC is not from job FA32306R

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Metals Analysis

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QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32306R
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB051816M1.ICP Date Analyzed: 05/18/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13167
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:41	MA13167-STD1	1		STDA
09:45	MA13167-STD2	1		STDB
09:48	MA13167-STD3	1		STDC
09:51	MA13167-STD4	1		STDD
09:56	MA13167-HSTD1	1		
10:01	MA13167-ICV1	1		
10:10	MA13167-ICB1	1		
10:14	MA13167-CRIA1	1		
10:17	MA13167-CRIA2	1		
10:25	MA13167-ICSA1	1		
10:33	MA13167-ICSAB1	1		
10:41	MA13167-CCV1	1		
11:00	MA13167-CCB1	1		
11:06	FA33973-1	10		(sample used for QC only; not part of login FA32306R)
11:10	MP30364-D1	10		
11:14	MP30364-S1	10		
11:18	MP30364-S2	10		
11:22	MP30364-PS1	10		
11:26	MP30364-SD1	50		
11:30	ZZZZZZ	10		
11:34	ZZZZZZ	20		
11:38	ZZZZZZ	50		
11:42	ZZZZZZ	5		
11:46	MA13167-CCV2	1		
11:50	MA13167-CCB2	1		
11:55	MA13167-CCV3	1		
11:59	MA13167-CCB3	1		
12:09	MP30366-MB1	5		
12:13	MP30366-B1	5		
12:17	FA32306-32R	5		
12:21	MP30366-D1	5		
12:25	MP30366-D2	5		
12:29	MP30366-SD1	25		

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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32306R
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB051816M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 05/18/16
Run ID: MA13167
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:33	MP30366-PS1	5		
12:38	MP30366-S1	5		
12:43	MP30366-S2	5		
----->	Last reportable sample/prep for job FA32306R			
12:50	MA13167-CCV4	1		
12:58	MA13167-CCB4	1		
13:03	MP30368-MB1	1		
13:08	MP30368-B1	1		
13:11	FA33957-21	1		(sample used for QC only; not part of login FA32306R)
13:16	MP30368-D1	1		
13:20	MP30368-SD1	5		
13:24	MP30368-PS1	1		
13:29	MP30368-S1	1		
13:33	MP30368-S2	1		
13:37	ZZZZZZ	1		
13:42	ZZZZZZ	1		
13:46	MA13167-CCV5	1		
13:50	MA13167-CCB5	1		
14:24	MA13167-ICV2	1		
14:30	MA13167-CCV6	1		
14:38	MA13167-CCB6	1		
14:42	ZZZZZZ	1		
14:46	ZZZZZZ	1		
14:50	ZZZZZZ	1		
14:54	ZZZZZZ	1		
14:59	ZZZZZZ	1		
15:03	ZZZZZZ	1		
15:08	ZZZZZZ	1		
15:12	ZZZZZZ	1		
15:17	ZZZZZZ	1		
15:21	ZZZZZZ	1		
15:25	MA13167-CCV7	1		
15:29	MA13167-CCB7	1		
15:34	ZZZZZZ	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32306R
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB051816M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 05/18/16
Run ID: MA13167
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:38	ZZZZZZ	1		
15:43	ZZZZZZ	1		
15:47	ZZZZZZ	1		
15:51	ZZZZZZ	1		
15:56	ZZZZZZ	1		
16:00	ZZZZZZ	1		
16:09	MP30369-MB1	1		
16:13	MP30369-B1	1		
16:17	MA13167-CCV8	1		
16:21	MA13167-CCB8	1		
16:25	FA33902-2L	1		(sample used for QC only; not part of login FA32306R)
16:29	MP30369-D1	1		
16:34	MP30369-SD1	5		
16:38	MP30369-S1	1		
16:42	MP30369-S2	1		
16:46	ZZZZZZ	1		
16:50	ZZZZZZ	1		
16:55	ZZZZZZ	1		
16:59	MP30369-MB2	1		
17:03	MP30369-B2	1		
17:07	MA13167-CCV9	1		
17:11	MA13167-CCB9	1		
17:15	MP30369-MB3	1		
17:19	MP30369-B3	1		
17:23	MA13167-CRIA3	1		
17:27	MA13167-ICSA2	1		
17:32	MA13167-ICSAB2	1		
17:36	MA13167-CCV10	1		
17:40	MA13167-CCB10	1		
----->	Last reportable CCB for job FA32306R Refer to raw data for calibration curve and standards.			

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INTERNAL STANDARD SUMMARY

Login Number: FA32306R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB051816M1.ICP Date Analyzed: 05/18/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13167
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:41	MA13167-STD1	6474	51165	4042	2819
09:45	MA13167-STD2	6351	49632	3987	2621
09:48	MA13167-STD3	6253	49051	4022	2438
09:51	MA13167-STD4	5954	46786	3899	2237
09:56	MA13167-HSTD1	5948	46757	3905	2235
10:01	MA13167-ICV1	6098	47730	3911	2385
10:10	MA13167-ICB1	6398 R	50984 R	4029 R	2804 R
10:14	MA13167-CRIA1	6432	50704	4049	2717
10:17	MA13167-CRIA2				2658
10:25	MA13167-ICSA1	5725	43558	3874	2192
10:33	MA13167-ICSAB1	5736	44624	3909	2191
10:41	MA13167-CCV1	6121	49590	4051	2432
11:00	MA13167-CCB1	6196	51795	4042	2782
11:06	FA33973-1	7335	59969	4782	2648
11:10	MP30364-D1	7256	59027	4701	2667
11:14	MP30364-S1	7497	60969	4889	2673
11:18	MP30364-S2	7168	58064	4631	2623
11:22	MP30364-PS1	7300	59153	4758	2638
11:26	MP30364-SD1	6609	53706	4229	2781
11:30	ZZZZZZ	7538	60283	4893	2550
11:34	ZZZZZZ	6254	51581	4125	2795
11:38	ZZZZZZ	6276	51166	4006	2776
11:42	ZZZZZZ	5174	39352	3758	1897
11:46	MA13167-CCV2	6027	48687	3948	2395
11:50	MA13167-CCB2	6327	50885	3977	2774
11:55	MA13167-CCV3	5991	47787	3924	2359
11:59	MA13167-CCB3	6304	50382	3944	2766
12:09	MP30366-MB1	6563	52718	4144	2868
12:13	MP30366-B1	6382	51354	4050	2714
12:17	FA32306-32R	6495	51723	4090	2722
12:21	MP30366-D1	6484	51755	4110	2714
12:25	MP30366-D2	6511	51509	4049	2709
12:29	MP30366-SD1	6454	51069	4007	2748

INTERNAL STANDARD SUMMARY

Login Number: FA32306R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB051816M1.ICP Date Analyzed: 05/18/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13167
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:33	MP30366-PS1	6524	50785	4037	2685
12:38	MP30366-S1	6524	50291	4054	2640
12:43	MP30366-S2	6567	50431	4009	2652
12:50	MA13167-CCV4	6066	47605	3855	2367
12:58	MA13167-CCB4	6401	50372	3912	2773
13:03	MP30368-MB1	6562	51344	4027	2828
13:08	MP30368-B1	6423	49435	3997	2575
13:11	FA33957-21	5825	45228	3969	2222
13:16	MP30368-D1	5826	44995	3949	2224
13:20	MP30368-SD1	6168	47765	3926	2483
13:24	MP30368-PS1	5801	44605	3870	2204
13:29	MP30368-S1	5762	44147	3817	2158
13:33	MP30368-S2	5787	44250	3804	2168
13:37	ZZZZZZ	6121	46159	3918	2250
13:42	ZZZZZZ	6103	47589	3985	2335
13:46	MA13167-CCV5	6057	47480	3819	2365
13:50	MA13167-CCB5	6388	49915	3834	2752
14:24	MA13167-ICV2	6094	46876	3790	2370
14:30	MA13167-CCV6	6085	47352	3808	2363
14:38	MA13167-CCB6	6456	50543	3904	2791
14:42	ZZZZZZ	6140	46344	3900	2256
14:46	ZZZZZZ	6028	46780	3893	2402
14:50	ZZZZZZ	6567	51179	3938	2825
14:54	ZZZZZZ	5883	44386	3874	2159
14:59	ZZZZZZ	6090	45557	4006	2182
15:03	ZZZZZZ	5978	44164	3874	2133
15:08	ZZZZZZ	5829	42601	3818	2054
15:12	ZZZZZZ	5771	43065	3733	2121
15:17	ZZZZZZ	6158	45668	3815	2270
15:21	ZZZZZZ	6091	44902	3986	2100
15:25	MA13167-CCV7	6132	46853	3777	2363
15:29	MA13167-CCB7	6442	49017	3764	2746
15:34	ZZZZZZ	6140	44364	3932	2111

INTERNAL STANDARD SUMMARY

Login Number: FA32306R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB051816M1.ICP Date Analyzed: 05/18/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13167
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:38	ZZZZZZ	6389	47204	4035	2203
15:43	ZZZZZZ	6037	45346	3730	2313
15:47	ZZZZZZ	6237	47313	3952	2266
15:51	ZZZZZZ	5865	44538	3799	2235
15:56	ZZZZZZ	5536	40787	3651	1978
16:00	ZZZZZZ	5974	43503	3762	2161
16:09	MP30369-MB1	6514	50050	3846	2769
16:13	MP30369-B1	6413	48193	3808	2532
16:17	MA13167-CCV8	6178	46739	3770	2368
16:21	MA13167-CCB8	6458	48819	3715	2744
16:25	FA33902-2L	6205	46472	3757	2488
16:29	MP30369-D1	6203	46561	3757	2494
16:34	MP30369-SD1	6387	48424	3759	2650
16:38	MP30369-S1	6197	46095	3753	2368
16:42	MP30369-S2	6249	46424	3785	2384
16:46	ZZZZZZ	6179	45621	3747	2414
16:50	ZZZZZZ	6225	45714	3717	2462
16:55	ZZZZZZ	6282	46490	3799	2485
16:59	MP30369-MB2	6591	50496	3879	2794
17:03	MP30369-B2	6370	47844	3780	2519
17:07	MA13167-CCV9	6248	47242	3786	2398
17:11	MA13167-CCB9	6418	49251	3782	2739
17:15	MP30369-MB3	6181	46410	3801	2469
17:19	MP30369-B3	6161	46395	3800	2391
17:23	MA13167-CRIA3	6424	49133	3707	2669
17:27	MA13167-ICSA2	5664	42135	3628	2136
17:32	MA13167-ICSAB2	5712	42841	3689	2139
17:36	MA13167-CCV10	6168	47558	3774	2381
17:40	MA13167-CCB10	6425	49061	3778	2742

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32306R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB051816M1.ICP
 QC Limits: result < RL

Date Analyzed: 05/18/16
 Run ID: MA13167

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:		10:10 ICB1		11:00 CCB1		11:50 CCB2		11:59 CCB3	
	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	14	anr							
Antimony	6.0	1	anr							
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2	anr							
Cadmium	4.0	.2	anr							
Calcium	1000	50	anr							
Chromium	10	1	anr							
Cobalt	50	.2	anr							
Copper	25	1	anr							
Iron	300	17	anr							
Lead	5.0	1	0.0	<20	-0.60	<20	-0.30	<5.0	-0.30	<5.0
Magnesium	5000	35	anr							
Manganese	15	.5	anr							
Molybdenum	50	.3	anr							
Nickel	40	.4	anr							
Potassium	10000	200	anr							
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500	anr							
Strontium	10	.5	anr							
Thallium	10	1.1	anr							
Tin	50	.9	anr							
Titanium	10	.5	anr							
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
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BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32306R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB051816M1.ICP
 QC Limits: result < RL

Date Analyzed: 05/18/16
 Run ID: MA13167

Methods: SW846 6010C
 Units: ug/l

Metal	RL	IDL	Time:							
			Sample ID:	12:58	13:50	14:38	15:29			
			raw	final	raw	final	raw	final	raw	final
Aluminum	200	14	anr							
Antimony	6.0	1	anr							
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2	anr							
Cadmium	4.0	.2	anr							
Calcium	1000	50								
Chromium	10	1	anr							
Cobalt	50	.2								
Copper	25	1	anr							
Iron	300	17	anr							
Lead	5.0	1	0.50	<5.0	-1.3	<5.0	-0.30	<5.0	0.10	<5.0
Magnesium	5000	35								
Manganese	15	.5	anr							
Molybdenum	50	.3								
Nickel	40	.4	anr							
Potassium	10000	200								
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500								
Strontium	10	.5								
Thallium	10	1.1								
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5								
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32306R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB051816M1.ICP
 QC Limits: result < RL

Date Analyzed: 05/18/16
 Run ID: MA13167

Methods: SW846 6010C
 Units: ug/l

Metal	RL	IDL	Time:					
			Sample ID:	16:21	17:11	17:40		
			CCB8	CCB9	CCB10			
			raw	final	raw	final	raw	final
Aluminum	200	14	anr					
Antimony	6.0	1	anr					
Arsenic	10	1.3	anr					
Barium	200	1	anr					
Beryllium	4.0	.2	anr					
Cadmium	4.0	.2	anr					
Calcium	1000	50						
Chromium	10	1	anr					
Cobalt	50	.2						
Copper	25	1	anr					
Iron	300	17	anr					
Lead	5.0	1	-0.40	<5.0	0.10	<5.0	-0.60	<5.0
Magnesium	5000	35						
Manganese	15	.5	anr					
Molybdenum	50	.3						
Nickel	40	.4	anr					
Potassium	10000	200						
Selenium	10	2.4	anr					
Silver	10	.7	anr					
Sodium	10000	500						
Strontium	10	.5						
Thallium	10	1.1						
Tin	50	.9						
Titanium	10	.5						
Vanadium	50	.5						
Zinc	20	3	anr					

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
 6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32306R
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB051816M1.ICP Date Analyzed: 05/18/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13167 Units: ug/l

Metal	Time: Sample ID: ICV	10:01		CCV True	10:41		CCV True	11:46	
		ICV1 Results	% Rec		CCV1 Results	% Rec		CCV2 Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	2040	102.0	2000	1900	95.0	2000	1940	97.0
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium	anr								
Thallium	anr								
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32306R
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB051816M1.ICP Date Analyzed: 05/18/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13167 Units: ug/l

Metal	Sample ID	Time: CCV True	11:55 CCV3		12:50 CCV4		13:46 CCV5			
			Results	% Rec	Results	% Rec	Results	% Rec		
Aluminum		anr								
Antimony		anr								
Arsenic		anr								
Barium		anr								
Beryllium		anr								
Cadmium		anr								
Calcium										
Chromium		anr								
Cobalt										
Copper		anr								
Iron		anr								
Lead	2000	2000	1980	99.0	2000	2010	100.5	2000	2010	100.5
Magnesium										
Manganese		anr								
Molybdenum										
Nickel		anr								
Potassium										
Selenium		anr								
Silver		anr								
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc		anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32306R
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB051816M1.ICP Date Analyzed: 05/18/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13167 Units: ug/l

Metal	Time: Sample ID: ICV True	14:24 ICV2		CCV True	14:30 CCV6		CCV True	15:25 CCV7	
		Results	% Rec		Results	% Rec		Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	2000	2050	102.5	2000	2010	100.5	2000	2020	101.0
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32306R
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB051816M1.ICP Date Analyzed: 05/18/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13167 Units: ug/l

Metal	Time: Sample ID: CCV True	16:17 CCV8		CCV True	17:07 CCV9		CCV True	17:36 CCV10	
		Results	% Rec		Results	% Rec		Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	2000	2030	101.5	2000	2000	100.0	2000	2000	100.0
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA32306R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB051816M1.ICP Date Analyzed: 05/18/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13167 Units: ug/l

Time:	09:56		
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	4000	4030	100.8
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium	anr		
Thallium	anr		
Tin	anr		
Titanium	anr		
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA32306R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB051816M1.ICP Date Analyzed: 05/18/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13167 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	10:14 CRIA1 Results	% Rec	10:17 CRIA2 Results	% Rec	17:23 CRIA3 Results	% Rec
Aluminum	400	200	anr					
Antimony	10	5.0	anr					
Arsenic	20	10	anr					
Barium	400	200	anr					
Beryllium	10	5.0	anr					
Cadmium	10	5.0	anr					
Calcium	2000	1000	anr					
Chromium	20	10	anr					
Cobalt	100	50	anr					
Copper	50	25	anr					
Iron	600	300	anr					
Lead	10	5.0			4.7	94.0	4.0	80.0
Magnesium	10000	5000	anr					
Manganese	30	15	anr					
Molybdenum	100	50	anr					
Nickel	80	40	anr					
Potassium	20000	10000	anr					
Selenium	20	10	anr					
Silver	20	10	anr					
Sodium	20000	10000	anr					
Strontium	20	10	anr					
Thallium	20	10	anr					
Tin	100	50	anr					
Titanium	20	10	anr					
Vanadium	100	50	anr					
Zinc	40	20	anr					

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA32306R
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB051816M1.ICP Date Analyzed: 05/18/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13167 Units: ug/l

Time:	10:25	10:33	17:27	17:32						
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2						
Metal	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum	500000	500000	488000	97.6	463000	92.6	510000	102.0	485000	97.0
Antimony		1000	0.0		1010	101.0	2.3		1020	102.0
Arsenic		1000	0.0		1080	108.0	2.2		1090	109.0
Barium		500	-0.20		520	104.0	0.80		528	105.6
Beryllium		500	-0.50		493	98.6	0.20		508	101.6
Cadmium		1000	0.0		954	95.4	-0.30		982	98.2
Calcium	500000	500000	461000	92.2	451000	90.2	485000	97.0	480000	96.0
Chromium		500	0.70		495	99.0	1.0		531	106.2
Cobalt		500	-0.50		478	95.6	-0.10		490	98.0
Copper		500	0.0		525	105.0	-0.60		548	109.6
Iron	200000	200000	180000	90.0	178000	89.0	183000	91.5	184000	92.0
Lead		1000	0.10		938	93.8	-5.9		979	97.9
Magnesium	500000	500000	503000	100.6	494000	98.8	514000	102.8	505000	101.0
Manganese		500	0.0		503	100.6	0.40		524	104.8
Molybdenum		1000	-1.0		915	91.5	0.70		932	93.2
Nickel		1000	0.0		974	97.4	0.40		985	98.5
Potassium			132		197		241		204	
Selenium		1000	0.0		1020	102.0	-1.2		1030	103.0
Silver		1000	-0.20		974	97.4	-0.60		1010	101.0
Sodium			222		271		357		260	
Strontium		1000	0.10		971	97.1	0.40		999	99.9
Thallium		1000	1.8		936	93.6	2.4		971	97.1
Tin		1000	-0.50		931	93.1	0.40		924	92.4
Titanium		1000	-0.80		959	95.9	0.30		1010	101.0
Vanadium		500	0.40		463	92.6	0.60		479	95.8
Zinc		1000	-1.6		954	95.4	-1.3		983	98.3

(*) Outside of QC limits
(anr) Analyte not requested

6.1.6
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA32306R
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30366
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 05/18/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.4	3.5		
Antimony	2.0	.1	.13		
Arsenic	1.0	.13	.2		
Barium	20	.1	.1		
Beryllium	0.50	.02	.05		
Cadmium	0.40	.02	.05		
Calcium	500	5	5		
Chromium	1.0	.1	.1		
Cobalt	5.0	.02	.05		
Copper	2.5	.1	.1		
Iron	30	1.7	1.7		
Lead	2.0	.1	.1	-0.034	<2.0
Magnesium	500	3.5	3.6		
Manganese	1.5	.05	.05		
Molybdenum	5.0	.03	.05		
Nickel	4.0	.04	.05		
Potassium	1000	20	20		
Selenium	2.0	.24	.24		
Silver	1.0	.07	.082		
Sodium	1000	50	50		
Strontium	1.0	.05	.05		
Thallium	1.0	.11	.11		
Tin	5.0	.09	.09		
Titanium	1.0	.05	.05		
Vanadium	5.0	.05	.05		
Zinc	2.0	.3	.3		

Associated samples MP30366: FA32306-32R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.21
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32306R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30366
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 05/18/16 05/18/16

Metal	FA32306-32R		RPD	QC Limits	FA32306-32R		QC Limits
	Original	DUP			Original	DUP	
Aluminum							
Antimony							
Arsenic							
Barium							
Beryllium							
Cadmium							
Calcium							
Chromium							
Cobalt							
Copper							
Iron							
Lead	6.6	7.0	5.9	0-20	6.6	7.5	12.8 0-20
Magnesium							
Manganese							
Molybdenum							
Nickel							
Potassium							
Selenium							
Silver							
Sodium							
Strontium							
Thallium							
Tin							
Titanium							
Vanadium							
Zinc							

Associated samples MP30366: FA32306-32R

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32306R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30366
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 05/18/16

Metal	FA32306-32R Original MS	Spikelot MPFLICP2 % Rec	QC Limits
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead	6.6 17.3	9.32	115.0N(a) 80-120
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

Associated samples MP30366: FA32306-32R

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike recovery indicates possible matrix interference and/or sample non-homogeneity.

6.2.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32306R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30366
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 05/18/16

Metal	FA32306-32R Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit		
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead	6.6	17.2	9.86	107.5	0.6	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP30366: FA32306-32R

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA32306R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30366
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 05/18/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	9.1	10	91.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30366: FA32306-32R

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.2.3
 6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA32306R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30366
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 05/18/16

Metal	FA32306-32R	QC
	Original SDL 5:25 %DIF	Limits

Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	349	361	3.7	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30366: FA32306-32R

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.2.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA32306R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30366
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date:

05/18/16

Metal	Sample ml	Final ml	FA32306-32R Raw	PS Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead	9.8	10	348.5	341.53	408.6	0.2	2.5	50	134.1*(a)	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP30366: FA32306-32R

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(**) Corr. sample result = Raw * (sample volume / final volume)

(anr) Analyte not requested

(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

6.2.5
6

Instrument Detection Limits

Job Number: FA32306R
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE2	Effective Date: 01/27/15
-------------------------	--------------------------

Analyte	IDL ug/l
Aluminum	14
Antimony	1
Arsenic	1.3
Barium	1
Beryllium	.2
Cadmium	.2
Calcium	50
Chromium	1
Cobalt	.2
Copper	1
Iron	17
Lead	1
Magnesium	35
Manganese	.5
Molybdenum	.3
Nickel	.4
Potassium	200
Selenium	2.4
Silicon	5
Silver	.7
Sodium	500
Strontium	.5
Sulfur	5
Thallium	1.1
Tin	.9
Titanium	.5
Vanadium	.5
Zinc	3

The above applies to the following instrument runs:
MA13167

6.3
6

Instrument Linear Ranges

Job Number: FA32306R
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE2

Effective Date: 10/22/10

Analyte	Linear Range ug/l
Aluminum	500000
Antimony	10000
Arsenic	10000
Barium	10000
Beryllium	10000
Cadmium	10000
Calcium	500000
Chromium	10000
Cobalt	10000
Copper	10000
Iron	500000
Lead	10000
Magnesium	500000
Manganese	10000
Molybdenum	10000
Nickel	10000
Potassium	80000
Selenium	10000
Silver	1000
Sodium	80000
Strontium	10000
Thallium	10000
Tin	10000
Titanium	10000
Vanadium	10000
Zinc	10000

The above applies to the following instrument runs:
MA13167

Metals Analysis

Raw Data

Sample Name: HSTD Acquired: 5/18/2016 9:56:09 Type: QC
Method: 60102007_041712(v127) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 11 columns: Elem, Units, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 8 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Sample Name: HSTD Acquired: 5/18/2016 9:56:09 Type: QC
Method: 60102007_041712(v127) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Table with 4 columns: #1, #2, #3. Rows include values for 2230.0, 2237.7, 2238.4 and 5937.3, 5950.8, 5956.4.

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 8 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

7.1 7

Sample Name: ICV Acquired: 5/18/2016 10:01:55 Type: QC
Method: 60102007_041712(v127) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 11 columns: Elem, Units, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 8 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Sample Name: ICV Acquired: 5/18/2016 10:01:55 Type: QC
Method: 60102007_041712(v127) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Table with 4 columns: #1, #2, #3. Rows include values for 2388.0, 2380.5, 2385.4 and 6105.2, 6092.4, 6096.3.

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 8 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Sample Name: ICB Acquired: 5/18/2016 10:10:28 Type: QC
 Method: 60102007_041712(v127) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	-.0023	-.0006	-.0005	-.0004	-.0121	-.0002	-.0002	-.0002	-.0003
Stddev	.0003	.0072	.0005	.0003	.0000	.0020	.0000	.0001	.0001	.0001
%RSD	62.96	315.2	70.85	47.30	10.58	16.37	6.305	30.28	66.06	57.04
#1	.0008	.0053	-.0002	-.0004	-.0004	-.0140	-.0002	-.0002	-.0001	-.0004
#2	.0002	-.0090	-.0011	-.0008	-.0003	-.0122	-.0002	-.0001	-.0001	-.0002
#3	.0003	-.0032	-.0007	-.0004	-.0004	-.0100	-.0002	-.0002	-.0003	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0097	.0342	.0245	-.0003	-.0006	.0031	-.0001	.0000	-.0018	-.0001
Stddev	.0040	.0232	.0210	.0000	.0001	.0048	.0001	.0009	.0004	.0007
%RSD	41.28	67.86	85.52	7.363	22.55	155.0	89.63	3856.	21.32	1264.
#1	-.0108	.0610	.0290	-.0003	-.0005	-.0024	.0000	.0005	-.0015	-.0008
#2	-.0131	.0220	.0430	-.0003	-.0006	.0059	-.0002	-.0010	-.0016	-.0001
#3	-.0053	.0197	.0017	-.0003	-.0007	.0057	-.0001	.0006	-.0022	.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0025	-.0001	-.0004	-.0006	-.0001	-.0002	-.0004
Stddev	.0004	.0002	.0001	.0000	.0009	.0002	.0000
%RSD	16.67	141.9	27.56	1.670	1221.	99.76	10.81
#1	-.0026	.0001	-.0006	-.0006	-.0002	-.0004	-.0003
#2	-.0028	-.0003	-.0004	-.0005	.0009	-.0002	-.0004
#3	-.0020	-.0002	-.0004	-.0005	-.0009	.0000	-.0004

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Raw Data MA13167 page 9 of 136

Sample Name: CRIA Acquired: 5/18/2016 10:14:13 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0093	.2150	.0097	.2064	.0046	1.025	.0051	.0528	.0101	.0261
Stddev	.0006	.0091	.0008	.0010	.0001	.008	.0000	.0001	.0001	.0004
%RSD	6.439	4.243	8.398	4.703	1.284	.8165	.8060	.1048	1.414	1.401
#1	.0090	.2245	.0088	.2075	.0045	1.031	.0051	.0527	.0099	.0265
#2	.0088	.2063	.0102	.2061	.0046	1.015	.0050	.0528	.0102	.0260
#3	.0099	.2143	.0102	.2056	.0045	1.028	.0051	.0528	.0101	.0258

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2898	10.12	5.234	.0156	.0475	10.11	.0426	.0041	.0094	.0508
Stddev	.0062	.04	.053	.0000	.0001	.01	.0001	.0008	.0021	.0005
%RSD	2.144	.3695	1.007	.2499	.2724	.0944	.2757	18.34	22.35	1.026
#1	.2970	10.16	5.242	.0156	.0476	10.12	.0426	.0048	.0110	.0504
#2	.2860	10.08	5.282	.0156	.0473	10.12	.0427	.0042	.0070	.0514
#3	.2865	10.12	5.178	.0156	.0475	10.10	.0425	.0033	.0101	.0505

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0522	.0096	.0093	.0099	.0477	.0211
Stddev	.0003	.0001	.0001	.0008	.0002	.0000
%RSD	.5105	.9405	.9751	7.906	.5216	.2022
#1	.0519	.0096	.0094	.0098	.0479	.0211
#2	.0524	.0096	.0092	.0092	.0477	.0211
#3	.0523	.0095	.0093	.0107	.0474	.0212

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Raw Data MA13167 page 11 of 136

Sample Name: ICB Acquired: 5/18/2016 10:10:28 Type: QC
 Method: 60102007_041712(v127) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2803.5	6398.3	50984.	4028.5
Stddev	8.7	12.6	95.	15.7
%RSD	.31200	.19673	.18553	.39089
#1	2813.1	6409.0	51026.	4020.4
#2	2795.9	6384.4	50875.	4046.6
#3	2801.5	6401.4	51050.	4018.4

Raw Data MA13167 page 10 of 136

Sample Name: CRIA Acquired: 5/18/2016 10:14:13 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2717.3	6432.1	50704.	4049.4
Stddev	6.2	7.6	226.	18.3
%RSD	.22700	.11866	.44490	.45177
#1	2724.4	6439.8	50722.	4069.0
#2	2714.5	6432.0	50469.	4032.9
#3	2713.0	6424.6	50919.	4046.3

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Sample Name: CRIA Acquired: 5/18/2016 10:17:54 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Pb2203
Units	ppm
Avg	.0047
Stddev	.0005
%RSD	10.53
#1	.0042
#2	.0051
#3	.0050

Check ? Chk Pass
 Value
 Range

Int. Std.	In2306
Units	Cts/S
Avg	2657.9
Stddev	2.0
%RSD	.07621
#1	2655.6
#2	2659.2
#3	2659.0

Sample Name: ICSA Acquired: 5/18/2016 10:25:17 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	488.0	.0000	-0.0002	-0.0005	461.1	.0000	-0.0005	.0007	.0000
Stddev	.0004	7.9	.001	.0001	.0000	7.4	.0001	.0001	.0001	.000
%RSD	183.7	1.610	15750.	44.71	8.454	1.601	591.5	27.63	10.50	3033.
#1	-0.0001	497.0	-0.0008	-0.0001	-0.0004	463.6	-0.0001	-0.0006	.0008	.0002
#2	.0001	482.9	.0009	-0.0001	-0.0004	466.9	.0000	-0.0004	.0006	-0.0001
#3	-0.0006	484.0	-0.0001	-0.0003	-0.0005	452.8	.0001	-0.0005	.0007	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	180.2	.1321	502.7	.0000	-0.0010	.2221	.0000	.0001	.0000	.0000
Stddev	.9	.0210	1.8	.000	.0003	.0178	.000	.0035	.0003	.001
%RSD	.5161	15.90	.3623	308.4	30.59	8.004	895.8	6651.	795.9	1903.
#1	181.1	.1101	504.7	-0.0001	-0.0007	.2055	.0001	-0.0040	.0002	.0008
#2	180.2	.1343	502.1	.0000	-0.0013	.2199	.0000	.0018	-0.0003	-0.0002
#3	179.3	.1519	501.3	.0000	-0.0010	.2409	-0.0001	.0023	.0002	-0.0007

Check ? Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0137	-0.0005	.0001	-0.0008	.0018	.0004	-0.0016
Stddev	.0005	.0005	.0001	.0000	.0009	.0004	.0001
%RSD	3.621	96.83	172.9	3.043	49.84	104.6	7.924
#1	.0131	-0.0007	.0001	-0.0008	.0028	.0000	-0.0017
#2	.0137	-0.0009	-0.0001	-0.0008	.0016	.0008	-0.0016
#3	.0141	.0001	.0002	-0.0008	.0010	.0004	-0.0015

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.1
7

Sample Name: ICSA Acquired: 5/18/2016 10:25:17 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2191.7	5725.0	43558.	3873.5
Stddev	3.5	7.4	114.	24.5
%RSD	.15787	.12854	.26237	.63370
#1	2195.6	5730.4	43605.	3845.6
#2	2189.2	5728.1	43427.	3891.9
#3	2190.2	5716.6	43641.	3882.9

Sample Name: IC SAB Acquired: 5/18/2016 10:33:39 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9744	463.3	1.083	.5202	.4926	451.1	.9535	.4776	.4952	.5246
Stddev	.0016	5.7	.002	.0081	.0087	10.1	.0006	.0007	.0005	.0013
%RSD	.1623	1.231	.1889	1.560	1.765	2.234	.0069	.1493	.1015	.2392
#1	.9742	468.7	1.083	.5288	.5024	462.7	.9537	.4783	.4957	.5258
#2	.9761	463.7	1.086	.5128	.4858	445.8	.9540	.4777	.4947	.5247
#3	.9730	457.3	1.082	.5189	.4896	444.8	.9527	.4769	.4953	.5233

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	177.8	.1971	493.9	.5030	.9146	.2711	.9742	.9376	1.009	1.016
Stddev	3.1	.0091	8.0	.0007	.0005	.0086	.0012	.0038	.002	.002
%RSD	1.748	4.631	1.624	.1345	.0513	3.184	.1187	.4092	.1967	.2031
#1	181.3	.1871	503.0	.5033	.9141	.2715	.9754	.9332	1.011	1.017
#2	175.2	.1993	487.7	.5022	.9151	.2622	.9742	.9393	1.008	1.018
#3	177.0	.2050	491.1	.5035	.9146	.2794	.9731	.9403	1.007	1.014

Check ? Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0707	.9309	.9714	.9585	.9358	.4634	.9536
Stddev	.0005	.0014	.0156	.0012	.0050	.0010	.0003
%RSD	.6846	.1537	1.605	.1256	.5395	.2100	.0304
#1	.0702	.9320	.9886	.9599	.9300	.4644	.9538
#2	.0712	.9315	.9582	.9575	.9390	.4625	.9538
#3	.0708	.9293	.9674	.9582	.9385	.4632	.9533

Check ? None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: ICSAB Acquired: 5/18/2016 10:33:39 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2190.8	5735.7	44624.	3909.0
Stddev	4.0	4.4	144.	49.2
%RSD	.18376	.07603	.32201	1.2596
#1	2195.0	5739.8	44701.	3854.5
#2	2187.0	5731.1	44713.	3950.2
#3	2190.4	5736.2	44458.	3922.2

Sample Name: CCV Acquired: 5/18/2016 10:41:21 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2432	38.17	2.000	1.967	1.931	38.49	1.968	1.972	1.891	1.930
Stddev	.0009	.05	.006	.004	.007	.10	.000	.001	.003	.005
%RSD	.3759	.1300	.2889	.1766	.3735	.2539	.0209	.0466	.1548	.2595
#1	2442	38.21	1.993	1.970	1.935	38.58	1.968	1.971	1.894	1.928
#2	2425	38.18	2.003	1.968	1.935	38.52	1.968	1.973	1.890	1.926
#3	2429	38.11	2.002	1.963	1.922	38.39	1.969	1.972	1.889	1.935

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.25	39.12	39.25	1.969	1.984	38.19	2.009	1.902	1.986	1.992
Stddev	.08	.11	.07	.005	.006	.08	.003	.004	.002	.006
%RSD	.2100	.2862	.1670	.2624	.3074	.2048	.1588	.2173	.0832	.2831
#1	40.31	39.23	39.31	1.975	1.978	38.27	2.005	1.905	1.984	1.985
#2	40.28	39.12	39.24	1.969	1.987	38.20	2.011	1.897	1.986	1.994
#3	40.15	39.00	39.18	1.964	1.989	38.11	2.011	1.903	1.987	1.995

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.062	2.060	1.954	1.948	1.931	1.967	1.969
Stddev	.004	.004	.004	.002	.005	.002	.001
%RSD	.1787	.2114	.2169	.1189	.2847	.0754	.0282
#1	2.058	2.055	1.956	1.951	1.932	1.969	1.969
#2	2.063	2.063	1.957	1.948	1.925	1.966	1.970
#3	2.066	2.062	1.949	1.946	1.936	1.966	1.968

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 5/18/2016 10:41:21 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2432.3	6121.0	49590.	4051.3
Stddev	6.1	8.8	217.	25.2
%RSD	.25049	.14338	.43755	.62145
#1	2429.8	6128.5	49354.	4022.6
#2	2439.2	6123.2	49635.	4061.8
#3	2427.8	6111.3	49781.	4069.5

Sample Name: CCB Acquired: 5/18/2016 11:00:17 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	-.0076	-.0008	-.0007	-.0004	-.0193	-.0002	-.0001
Stddev	.0004	.0180	.0005	.0001	.0000	.0021	.0000	.0000
%RSD	48.35	237.7	66.43	16.68	8.776	10.90	13.32	64.24
#1	.0005	-.0003	-.0002	-.0008	-.0004	-.0210	-.0002	.0000
#2	.0006	-.0281	-.0011	-.0006	-.0004	-.0199	-.0002	-.0001
#3	.0011	.0057	-.0012	-.0006	-.0004	-.0169	-.0001	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	.0003	-.0194	.0034	.0080	-.0004	F-.0016	.0200
Stddev	.0001	.0001	.0015	.0074	.0070	.0000	.0000	.0036
%RSD	18.95	48.18	7.732	217.9	87.73	10.91	2.205	17.94
#1	-.0004	.0003	-.0210	.0009	.0142	-.0004	-.0017	.0228
#2	-.0002	.0002	-.0181	-.0024	.0004	-.0004	-.0016	.0211
#3	-.0003	.0004	-.0191	.0116	.0095	-.0003	-.0017	.0159

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass
 High Limit
 Low Limit

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	-.0006	F-.0030	-.0004	-.0023	-.0002	-.0004	-.0011
Stddev	.0001	.0007	.0009	.0009	.0004	.0001	.0001	.0001
%RSD	37.91	113.9	29.76	223.3	17.36	60.15	30.70	5.918
#1	-.0002	-.0013	-.0038	.0002	-.0027	-.0002	-.0004	-.0012
#2	-.0002	.0001	-.0031	.0001	-.0019	-.0001	-.0003	-.0010
#3	-.0001	-.0007	-.0020	-.0015	-.0023	-.0003	-.0005	-.0011

Check ? Chk Pass Chk Pass Chk Fail Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/18/2016 11:00:17 Type: QC
Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 4 columns: Elem, Tl1908, V_2924, Zn2062. Rows include Units, Avg, Stddev, %RSD, and #1-3.

Table with 4 columns: #1, #2, #3. Rows include values for each element.

Check ? High Limit Low Limit
Chk Pass Chk Pass Chk Pass

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD, and #1-3.

Table with 5 columns: #1, #2, #3. Rows include values for each element.

Sample Name: FA33973-1 Acquired: 5/18/2016 11:06:03 Type: Unk
Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include IS Ref, Avg, Stddev, %RSD, and #1-3.

Table with 11 columns: #1, #2, #3. Rows include values for each element.

Table with 11 columns: Elem, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include IS Ref, Avg, Stddev, %RSD, and #1-3.

Table with 11 columns: #1, #2, #3. Rows include values for each element.

Table with 8 columns: Elem, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD, and #1-3.

Table with 8 columns: #1, #2, #3. Rows include values for each element.

Table with 5 columns: Int. Std. Avg, Stddev, %RSD, and #1-3.

Table with 5 columns: #1, #2, #3. Rows include values for each element.

Sample Name: MP30364-D1 Acquired: 5/18/2016 11:10:06 Type: Unk
Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include IS Ref, Avg, Stddev, %RSD, and #1-3.

Table with 11 columns: #1, #2, #3. Rows include values for each element.

Table with 11 columns: Elem, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include IS Ref, Avg, Stddev, %RSD, and #1-3.

Table with 11 columns: #1, #2, #3. Rows include values for each element.

Table with 8 columns: Elem, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD, and #1-3.

Table with 8 columns: #1, #2, #3. Rows include values for each element.

Table with 5 columns: Int. Std. Avg, Stddev, %RSD, and #1-3.

Table with 5 columns: #1, #2, #3. Rows include values for each element.

Sample Name: MP30364-S1 Acquired: 5/18/2016 11:14:09 Type: Unk
Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include IS Ref, Avg, Stddev, %RSD, and #1-3.

Table with 11 columns: #1, #2, #3. Rows include values for each element.

Table with 11 columns: Elem, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include IS Ref, Avg, Stddev, %RSD, and #1-3.

Table with 11 columns: #1, #2, #3. Rows include values for each element.

Table with 8 columns: Elem, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD, and #1-3.

Table with 8 columns: #1, #2, #3. Rows include values for each element.

Table with 5 columns: Int. Std. Avg, Stddev, %RSD, and #1-3.

Table with 5 columns: #1, #2, #3. Rows include values for each element.

7.1

Sample Name: MP30364-S2 Acquired: 5/18/2016 11:18:07 Type: Unk
Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 11 columns: Elem, Fe2599, K 7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 11 columns: Elem, Fe2599, K 7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 11 columns: Elem, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 11 columns: Elem, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 11 columns: Elem, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 4 columns: Int. Std., In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 4 columns: Int. Std., In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and sample results #1, #2, #3.

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Sample Name: MP30364-PS1 Acquired: 5/18/2016 11:22:05 Type: Unk
Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 11 columns: Elem, Fe2599, K 7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 11 columns: Elem, Fe2599, K 7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 11 columns: Elem, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 11 columns: Elem, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 11 columns: Elem, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 4 columns: Int. Std., In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 4 columns: Int. Std., In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and sample results #1, #2, #3.

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Sample Name: MP30364-SD1 Acquired: 5/18/2016 11:26:07 Type: Unk
Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 50.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 11 columns: Elem, Fe2599, K 7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 11 columns: Elem, Fe2599, K 7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 11 columns: Elem, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 11 columns: Elem, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 4 columns: Int. Std., In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 4 columns: Int. Std., In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and sample results #1, #2, #3.

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Sample Name: FA33973-2 Acquired: 5/18/2016 11:30:11 Type: Unk
Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 11 columns: Elem, Fe2599, K 7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 11 columns: Elem, Fe2599, K 7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 11 columns: Elem, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 11 columns: Elem, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 4 columns: Int. Std., In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 4 columns: Int. Std., In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and sample results #1, #2, #3.

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Sample Name: FA33859-3 Acquired: 5/18/2016 11:34:14 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 20.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	.0130	.2454	.0075	-.0012	-.0090	6.811	-.0031	-.0021
Stddev	.0099	.1256	.0059	.0028	.0017	.034	.0003	.0019
%RSD	76.01	51.19	77.81	224.9	19.05	4.972	9.759	92.81
#1	.0046	.1317	.0077	-.0036	-.0087	6.785	-.0034	-.0043
#2	.0239	.3802	.0016	.0018	-.0109	6.799	-.0031	-.0013
#3	.0104	.2242	.0133	-.0019	-.0075	6.849	-.0028	-.0006
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.0749	F179.7	1.276	20.65	5.999	.0203	-.0379	4.163
Stddev	.0029	.7	.136	.37	.352	.0011	.0031	.123
%RSD	3.874	.3783	10.66	1.793	5.863	5.305	8.082	2.949
#1	.0782	180.0	1.433	20.27	5.678	.0209	-.0362	4.022
#2	.0727	178.9	1.199	21.01	6.375	.0209	-.0414	4.246
#3	.0738	180.1	1.197	20.68	5.943	.0190	-.0361	4.222
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.0669	F-.1451	-.0466	-.0112	4.779	-.0056	.0509	-.0056
Stddev	.0046	.0113	.0180	.0175	.0047	.0023	.0012	.0018
%RSD	6.895	7.799	38.61	155.5	.9840	40.41	2.342	31.40
#1	.0699	-.1320	-.0574	-.0312	4.728	-.0081	.0521	-.0043
#2	.0692	-.1512	-.0258	-.0036	4.821	-.0049	.0508	-.0076
#3	.0616	-.1520	-.0566	.0011	4.789	-.0037	.0497	-.0049
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	-.0060	-.0091	.2933					
Stddev	.0125	.0045	.0017					
%RSD	207.0	48.90	.5704					
#1	-.0203	-.0127	.2914					
#2	-.0007	-.0041	.2947					
#3	.0029	-.0107	.2938					

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Sample Name: FA33859-3 Acquired: 5/18/2016 11:34:14 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 20.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2794.9	6253.5	51581.	4125.2
Stddev	7.9	17.7	160.	12.9
%RSD	.28361	.28352	.30922	.31355
#1	2798.8	6273.0	51410.	4136.6
#2	2800.1	6249.3	51725.	4127.9
#3	2785.8	6238.3	51608.	4111.2

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7.1
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Sample Name: FA33859-4 Acquired: 5/18/2016 11:38:30 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 50.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0197	-.0674	.0002	-.0179	-.0275	9.387	-.0096	-.0082	-.1009
Stddev	.0146	.7265	.0132	.0060	.0010	.027	.0022	.0048	.0121
%RSD	73.93	1078.	5659.	33.24	3.812	.2848	22.90	58.40	11.99
#1	.0283	.5905	-.0124	-.0191	-.0287	9.364	-.0115	-.0071	-.1127
#2	.0029	.0544	.0139	-.0232	-.0268	9.382	-.0100	-.0040	-.0886
#3	.0281	-.8471	-.0008	-.0115	-.0270	9.416	-.0072	-.0134	-.1015
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	F261.5	.7088	31.06	7.861	.0164	-.0921	17.55	.0898	-.2435
Stddev	.7	.1096	1.56	1.189	.0013	.0045	.36	.0098	.0040
%RSD	.2596	15.46	5.033	15.13	8.217	4.862	2.050	10.87	1.636
#1	260.8	.8261	29.80	7.206	.0173	-.0972	17.86	.0842	-.2447
#2	262.1	.6909	30.56	9.233	.0149	-.0907	17.64	.1011	-.2391
#3	261.7	.6092	32.81	7.143	.0170	-.0886	17.16	.0840	-.2468
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.1768	-.0094	.4406	-.0231	.0463	-.0428	.0031	-.0231	.6972
Stddev	.0025	.0896	.0111	.0036	.0012	.0037	.0176	.0126	.0010
%RSD	1.436	948.8	2.527	15.55	2.653	8.730	568.8	54.43	.1481
#1	-.1740	-.0638	.4319	-.0272	.0450	-.0391	-.0011	-.0364	.6963
#2	-.1788	-.0586	.4531	-.0204	.0465	-.0466	.0224	-.0114	.6970
#3	-.1776	.0940	.4367	-.0217	.0474	-.0427	-.0121	-.0214	.6984
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2776.1	6275.8	51166.	4005.8					
Stddev	3.5	3.8	117.	23.0					
%RSD	.12636	.06083	.22957	.57363					
#1	2779.5	6280.0	51040.	4001.2					
#2	2772.5	6274.9	51187.	4030.7					
#3	2776.2	6272.5	51272.	3985.4					

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Sample Name: FA33859-5 Acquired: 5/18/2016 11:42:37 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0123	.6289	1.274	.0235	-.0027	2.702	-.0019	.0008	-.4540
Stddev	.0011	.0628	.007	.0002	.0006	.035	.0001	.0004	.0017
%RSD	9.251	9.984	.5615	.7696	23.44	1.279	4.145	48.66	.3672
#1	.0118	.6850	1.282	.0235	-.0024	2.707	-.0019	.0004	.4558
#2	.0136	.6407	1.270	.0236	-.0034	2.666	-.0020	.0011	.4526
#3	.0116	.5610	1.270	.0233	-.0023	2.734	-.0018	.0010	.4534
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1023	4.044	F8197.	.7143	.0781	.0209	F4191.	.0585	.0024
Stddev	.0008	.056	585.	.1563	.0004	.0012	182.	.0007	.0047
%RSD	.7424	1.372	7.135	21.88	.5297	5.503	4.353	1.152	193.7
#1	.1023	3.990	8811.	.8918	.0784	.0216	4392.	.0582	-.0020
#2	.1015	4.101	8132.	.5977	.0784	.0196	4147.	.0582	.0073
#3	.1030	4.040	7647.	.6534	.0776	.0216	4035.	.0593	.0020
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1906	.0107	.6577	-.0027	.0634	.0200	-.0201	-.0008	.2930
Stddev	.0022	.0019	.0042	.0004	.0004	.0005	.0049	.0004	.0012
%RSD	1.137	17.93	.6336	15.10	.5895	2.436	24.28	51.84	.3982
#1	.1900	.0086	.6598	-.0024	.0631	.0197	-.0178	-.0010	.2917
#2	.1930	.0110	.6529	-.0024	.0634	.0206	-.0257	-.0003	.2936
#3	.1888	.0124	.6603	-.0031	.0638	.0198	-.0168	-.0010	.2937
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1897.2	5174.1	39352.	3758.4					
Stddev	4.1	8.6	90.	11.6					
%RSD	.21531	.16658	.22873	.30847					
#1	1896.1	5178.8	39406.	3749.1					
#2	1893.7	5164.1	39248.	3754.7					
#3	1901.7	5179.3	39402.	3771.4					

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Sample Name: CCV Acquired: 5/18/2016 11:46:59 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2478	38.89	2.036	2.009	1.968	39.34	2.005	2.011	1.921
Stddev	.0003	.15	.005	.006	.004	.11	.004	.004	.003
%RSD	.1134	.3847	.2655	.3155	.2241	.2685	.1971	.2065	.1329

#1	.2476	39.03	2.031	2.016	1.973	39.45	2.002	2.008	1.918
#2	.2477	38.91	2.036	2.006	1.967	39.32	2.004	2.009	1.923
#3	.2482	38.73	2.042	2.004	1.965	39.25	2.009	2.016	1.923

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.963	41.09	36.05	39.95	2.005	2.023	F33.39	2.045	1.936
Stddev	.001	.10	.16	.14	.002	.010	.17	.005	.005
%RSD	.0704	.2499	.4479	.3463	.1182	.4732	.5180	.2491	.2525

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 Value Range 40.00 -10.00%

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.026	2.026	2.102	2.093	1.996	1.988	1.970	1.995	2.001
Stddev	.006	.004	.005	.006	.004	.001	.004	.001	.004
%RSD	.2840	.2145	.2444	.2809	.1778	.0611	.1912	.0282	.1747

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: CCV Acquired: 5/18/2016 11:46:59 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2394.5	6026.8	4868.7	3948.3
Stddev	5.4	9.5	183.	27.5
%RSD	.22722	.15788	.37648	.69738

#1	2400.5	6036.0	4881.5	3957.2
#2	2389.9	6027.4	4876.9	3917.4
#3	2393.0	6017.0	4847.7	3970.3

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Sample Name: CCB Acquired: 5/18/2016 11:50:55 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0055	.0002	-.0002	-.0002	-.0098	.0000	.0000	-.0001
Stddev	.0002	.0100	.0006	.0001	.0001	.0036	.000	.000	.0002
%RSD	52.95	183.7	275.1	33.46	66.78	36.51	141.8	237.2	174.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0124	F.8684	.0104	-.0001	F.0011	.4056	-.0001	-.0003
Stddev	.0002	.0050	.0271	.0215	.0000	.0008	.0074	.0001	.0005
%RSD	57.77	40.61	3.126	206.1	13.37	67.08	1.835	82.87	200.6

Check ? Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit .5000 .0010
 Low Limit -5.0000 -.0010

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0012	.0003	-.0012	.0001	-.0001	.0004	-.0004	-.0001	-.0003
Stddev	.0006	.0011	.0002	.0002	.0001	.0001	.0008	.0002	.0001
%RSD	47.17	417.1	13.92	220.3	67.50	23.15	212.6	178.9	27.87

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

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Sample Name: CCB Acquired: 5/18/2016 11:50:55 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2773.8	6326.8	5088.5	3976.6
Stddev	7.8	17.4	282.	6.5
%RSD	.28166	.27497	.55326	.16323

#1	2779.1	6339.7	5092.7	3983.7
#2	2764.8	6307.0	5058.4	3975.1
#3	2777.5	6333.8	5114.3	3970.9

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Sample Name: CCV Acquired: 5/18/2016 11:55:05 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2521	39.82	2.044	2.042	2.009	40.15	2.036	2.038	1.979	2.004
Stddev	.0004	.31	.002	.012	.012	.28	.004	.003	.004	.004
%RSD	.1405	.7788	.1081	.5771	.6056	.7052	.1748	.1583	.2248	.1795
#1	.2519	40.06	2.046	2.055	2.019	40.41	2.035	2.037	1.974	2.000
#2	.2525	39.47	2.042	2.032	1.996	39.85	2.034	2.035	1.983	2.006
#3	.2519	39.92	2.045	2.038	2.013	40.21	2.040	2.041	1.980	2.007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	42.05	39.18	40.28	2.051	2.047	37.77	2.058	1.979	2.039	2.040
Stddev	.26	.37	.23	.003	.007	.31	.002	.004	.004	.004
%RSD	.6200	.9487	.5602	.1336	.3544	.8209	.0916	.2242	.1859	.2076
#1	42.34	39.59	40.42	2.049	2.040	38.07	2.059	1.981	2.038	2.041
#2	41.85	38.87	40.02	2.054	2.046	37.45	2.056	1.974	2.036	2.036
#3	41.95	39.10	40.40	2.049	2.054	37.77	2.059	1.983	2.043	2.044

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.115	2.092	2.038	2.042	2.012	2.024	2.027
Stddev	.002	.001	.014	.004	.003	.004	.004
%RSD	.0708	.0613	.6670	.1703	.1550	.1925	.1706
#1	2.114	2.093	2.049	2.039	2.012	2.021	2.026
#2	2.114	2.091	2.023	2.046	2.008	2.028	2.024
#3	2.117	2.092	2.043	2.042	2.015	2.024	2.031

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 5/18/2016 11:55:05 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2358.7	5991.1	4778.7	3923.8
Stddev	4.8	7.5	153.	42.9
%RSD	.20398	.12495	.32022	1.0929
#1	2355.1	5990.6	4796.0	3874.4
#2	2364.2	5998.8	4772.9	3945.8
#3	2356.8	5983.9	4767.1	3951.1

7.1
7

Sample Name: CCB Acquired: 5/18/2016 11:59:01 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	-0.0032	-0.0006	-0.0005	-0.0002	-0.1119	-0.0001	.0000	.0001
Stddev	.0002	.0093	.0007	.0000	.0001	.0011	.0001	.000	.0001
%RSD	41.81	288.7	129.0	2.061	27.57	9.303	113.9	781.6	99.32
#1	.0005	-.0138	.0003	-.0005	-.0001	-.0129	.0000	.0000	.0000
#2	.0004	.0013	-.0010	-.0005	-.0002	-.0121	.0000	.0000	.0002
#3	.0008	.0030	-.0009	-.0005	-.0002	-.0107	-.0001	.0000	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0076	.3627	.0034	-.0001	F .0014	.1780	-.0002	-.0003
Stddev	.000	.0046	.0180	.0117	.0000	.0006	.0050	.0000	.0001
%RSD	2641.	60.95	4.966	344.8	52.90	44.92	2.829	22.81	49.60
#1	-.0004	.0128	.3834	-.0092	.0000	.0020	.1783	-.0002	-.0002
#2	-.0004	.0039	.3527	.0054	-.0001	.0013	.1830	-.0001	-.0004
#3	-.0001	.0061	.3518	.0139	-.0001	.0008	.1729	-.0002	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0009	.0010	-.0007	.0000	-.0001	.0004	.0002	-.0001	-.0003
Stddev	.0018	.0026	.0006	.000	.0001	.0001	.0007	.0001	.0001
%RSD	210.2	249.8	87.60	325.6	141.7	19.95	335.4	99.81	19.79
#1	.0007	-.0008	-.0001	.0000	.0000	.0005	-.0006	-.0001	-.0002
#2	-.0004	.0040	-.0007	.0001	-.0002	.0004	.0006	-.0003	-.0003
#3	-.0028	-.0001	-.0013	-.0002	-.0001	.0004	.0006	-.0001	-.0004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 5/18/2016 11:59:01 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2765.9	6304.0	5038.2	3943.5
Stddev	6.4	7.1	135.	12.8
%RSD	.23035	.11204	.26872	.32409
#1	2767.0	6308.4	5045.4	3935.3
#2	2759.0	6295.8	5046.6	3937.0
#3	2771.6	6307.7	5022.6	3958.2

Sample Name: MP30366-MB1 Acquired: 5/18/2016 12:09:38 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014	.0063	-0.049	-0.028	F-.0025	-0.0270	-0.0010	-0.0010
Stddev	.0009	.0095	.0022	.0009	.0004	.0012	.0000	.0004
%RSD	64.76	150.5	44.40	32.71	15.82	4.395	4.231	42.56

#1	.0004	.0016	-0.070	-0.035	-0.023	-0.0264	-0.010	-0.011
#2	.0018	.0173	-0.027	-0.032	-0.030	-0.0283	-0.009	-0.006
#3	.0020	.0001	-0.050	-0.018	-0.023	-0.0262	-0.010	-0.015

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit					.0020			
Low Limit					-.0020			

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0015	-0.048	1.143	.0111	-0.0014	-0.0075	.5864
Stddev	.0008	.0012	.0174	.055	.0488	.0001	.0007	.0405
%RSD	186.0	83.29	38.80	4.816	438.6	7.244	9.380	6.910

#1	.0012	.0020	-0.265	1.147	.0665	-0.0015	-0.067	.5998
#2	-.0003	.0001	-0.0611	1.086	-.0257	-0.0013	-0.077	.6184
#3	.0003	.0023	-0.468	1.196	-.0075	-0.0014	-0.080	.5408

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	-.0017	F-.0141	.0016	-.0013	F.0490	-0.0019	-.0045
Stddev	.0003	.0023	.0036	.0073	.0018	.0016	.0003	.0003
%RSD	63.46	137.1	25.43	469.0	137.8	3.215	17.98	7.038

#1	-.0009	.0010	-0.129	.0099	-.0011	.0485	-0.016	-.0047
#2	-.0003	-.0028	-0.182	-.0019	-.0031	.0508	-0.023	-.0048
#3	-.0003	-.0031	-0.113	-.0034	.0004	.0478	-0.017	-.0042

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
High Limit			.0025			.0250		
Low Limit			-.0025			-.0250		

Sample Name: MP30366-MB1 Acquired: 5/18/2016 12:09:38 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	-.0034	-.0023	F.0335
Stddev	.0023	.0018	.0003
%RSD	67.61	75.28	1.000

#1	-.0056	-.0035	.0339
#2	-.0038	-.0031	.0332
#3	-.0010	-.0003	.0335

Check ?	Chk Pass	Chk Pass	Chk Fail
High Limit			.0100
Low Limit			-.0100

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2868.3	6562.7	52718.	4143.7
Stddev	5.5	16.8	764.	39.3
%RSD	.19245	.25536	1.4499	.94878

#1	2874.7	6580.2	51835.	4104.4
#2	2865.3	6546.8	53172.	4143.8
#3	2865.0	6561.2	53146.	4183.0

Sample Name: MP30366-B1 Acquired: 5/18/2016 12:13:46 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0463	25.43	1.915	2.009	.0467	24.49	.0485	.4999	.1907	.2452
Stddev	.0046	.09	.004	.009	.0012	.13	.0001	.0005	.0008	.0015
%RSD	10.02	.3662	.1889	.4448	2.645	.5478	.2378	.0980	.4364	.6029

#1	.0412	25.33	1.911	2.001	.0471	24.41	.0483	.4994	.1916	.2445
#2	.0502	25.51	1.915	2.019	.0477	24.64	.0485	.5003	.1899	.2443
#3	.0476	25.46	1.918	2.009	.0453	24.41	.0485	.4999	.1906	.2469

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.39	24.40	24.43	.5038	.4599	23.46	.5122	.4571	.4595	1.939
Stddev	.16	.11	.11	.0013	.0009	.12	.0024	.0002	.0056	.009
%RSD	.6337	.4342	.4516	.2523	.1986	.5051	.4625	.0405	1.228	.4401

#1	25.21	24.31	24.32	.5030	.4590	23.38	.5107	.4572	.4544	1.942
#2	25.52	24.52	24.41	.5052	.4608	23.60	.5110	.4569	.4656	1.929
#3	25.44	24.36	24.54	.5031	.4598	23.40	.5149	.4572	.4585	1.945

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0074	.5543	.4645	.4664	1.905	.4499	.5406
Stddev	.0017	.0019	.0039	.0015	.009	.0018	.0010
%RSD	23.38	.3417	.8327	.3300	.4759	.3896	.1914

#1	.0055	.5545	.4622	.4655	1.901	.4495	.5416
#2	.0089	.5524	.4690	.4681	1.899	.4484	.5396
#3	.0079	.5561	.4624	.4654	1.915	.4518	.5406

Check ?	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: MP30366-B1 Acquired: 5/18/2016 12:13:46 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2714.4	6382.0	51354.	4050.3
Stddev	7.8	8.3	216.	3.2
%RSD	.28908	.13036	.42088	.07816

#1	2706.0	6373.3	51601.	4050.6
#2	2721.6	6389.8	51258.	4047.0
#3	2715.6	6382.8	51202.	4053.3

Sample Name: FA32306-32R Acquired: 5/18/2016 12:17:44 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0061	144.0	.0217	.4514	-.0006	9.437	-.0013	.0146	.1900	.0816
Stddev	.0003	.5	.0015	.0015	.0003	.038	.0001	.0003	.0027	.0016
%RSD	4.242	.3377	6.914	.3433	47.01	4.055	6.311	1.768	1.395	1.921
#1	.0064	144.2	.0213	.4514	-.0008	9.443	-.0012	.0148	.1922	.0820
#2	.0058	143.4	.0204	.4499	-.0005	9.396	-.0012	.0143	.1871	.0830
#3	.0060	144.3	.0233	.4529	-.0003	9.472	-.0013	.0146	.1909	.0799

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	143.4	10.87	9.063	.6186	.0039	1.905	.0974	.3485	-.0019	-.0012
Stddev	.3	.15	.099	.0013	.0010	.050	.0009	.0020	.0034	.0065
%RSD	.1789	1.415	1.092	.2100	24.43	2.597	.9540	.5768	174.9	531.9
#1	143.1	10.88	9.151	.6185	.0029	1.957	.0983	.3477	-.0016	-.0085
#2	143.5	10.72	8.956	.6199	.0041	1.898	.0973	.3470	-.0055	.0040
#3	143.5	11.03	9.082	.6173	.0048	1.859	.0965	.3508	.0013	.0009

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	4.474	.0464	.1412	5.420	-.0032	.3678	.1075
Stddev	.002	.0015	.0005	.004	.0010	.0019	.0004
%RSD	.0419	3.208	.3707	.0806	31.06	.5291	.3520
#1	4.475	.0464	.1414	5.423	-.0028	.3658	.1078
#2	4.472	.0479	.1406	5.415	-.0043	.3697	.1071
#3	4.475	.0449	.1416	5.423	-.0025	.3678	.1077

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2721.6	6495.3	51723.	4089.6
Stddev	1.4	5.8	207.	36.0
%RSD	.05251	.08922	.40054	.87995
#1	2723.0	6496.4	51747.	4049.1
#2	2721.5	6489.0	51505.	4102.2
#3	2720.2	6500.5	51917.	4117.7

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Sample Name: MP30366-D2 Acquired: 5/18/2016 12:25:50 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0043	161.1	.0255	.4887	.0000	10.52	-.0014	.0157	.2089	.0885
Stddev	.0020	.2	.0026	.0007	.0002	.02	.0001	.0006	.0007	.0015
%RSD	47.41	.1217	10.28	.1500	511.0	.2009	9.821	3.518	3.456	1.695
#1	.0029	161.2	.0282	.4892	.0003	10.50	-.0012	.0151	.2098	.0902
#2	.0066	161.3	.0251	.4889	-.0002	10.54	-.0015	.0160	.2084	.0877
#3	.0033	160.9	.0230	.4878	.0000	10.52	-.0014	.0161	.2087	.0875

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	157.4	11.77	10.02	.6750	.0042	1.959	.1083	.3835	.0000	.0002
Stddev	.3	.05	.16	.0011	.0004	.036	.0001	.0015	.002	.0032
%RSD	.1932	.4122	1.597	.1670	9.449	1.830	.0949	.3834	6269.	1492.
#1	157.7	11.76	9.862	.6738	.0039	1.922	.1082	.3834	.0016	-.0024
#2	157.4	11.83	10.18	.6751	.0042	1.993	.1084	.3850	-.0002	.0037
#3	157.1	11.73	10.01	.6761	.0047	1.962	.1084	.3820	-.0014	-.0006

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	4.910	.0504	.1557	5.990	-.0057	.4020	.1336
Stddev	.013	.0003	.0002	.007	.0022	.0015	.0003
%RSD	.2663	.6495	.1208	.1137	38.52	.3700	.2575
#1	4.897	.0505	.1556	5.982	-.0039	.4005	.1333
#2	4.911	.0507	.1559	5.995	-.0052	.4020	.1336
#3	4.923	.0501	.1556	5.992	-.0082	.4034	.1339

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2709.1	6511.1	51509.	4049.3
Stddev	.8	6.0	81.	.6
%RSD	.03091	.09230	.15803	.01548
#1	2708.3	6518.0	51598.	4049.5
#2	2710.0	6508.6	51438.	4049.8
#3	2709.1	6506.7	51492.	4048.6

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Sample Name: MP30366-D1 Acquired: 5/18/2016 12:21:46 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0055	140.7	.0235	.4437	-.0003	9.246	-.0009	.0148	.1852	.0801
Stddev	.0015	.2	.0018	.0012	.0003	.039	.0001	.0011	.0013	.0009
%RSD	28.00	.1105	7.735	.2676	87.88	4.205	14.73	7.729	.7277	1.122
#1	.0039	140.9	.0215	.4448	-.0003	9.264	-.0010	.0142	.1840	.0801
#2	.0069	140.6	.0251	.4437	-.0006	9.202	-.0008	.0141	.1848	.0809
#3	.0057	140.7	.0238	.4424	.0000	9.273	-.0010	.0161	.1866	.0791

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	142.0	11.91	9.015	.6085	.0030	2.382	.0957	.3565	-.0047	-.0033
Stddev	.2	.19	.208	.0011	.0006	.035	.0010	.0050	.0048	.0036
%RSD	.1234	1.585	2.313	.1729	20.82	1.478	1.024	1.389	101.9	110.1
#1	142.2	12.07	8.857	.6096	.0027	2.420	.0955	.3516	-.0076	-.0070
#2	141.9	11.70	9.251	.6084	.0038	2.350	.0967	.3615	.0008	.0002
#3	142.0	11.96	8.936	.6076	.0027	2.377	.0947	.3564	-.0073	-.0030

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	4.641	.0497	.1377	5.327	-.0048	.3673	.1171
Stddev	.002	.0005	.0011	.018	.0036	.0018	.0002
%RSD	.0446	1.072	.7665	.3342	74.92	.4768	.1690
#1	4.642	.0503	.1381	5.344	-.0086	.3693	.1172
#2	4.638	.0497	.1365	5.329	-.0016	.3659	.1172
#3	4.641	.0492	.1384	5.309	-.0041	.3668	.1169

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2713.5	6483.5	51755.	4110.0
Stddev	8.8	18.6	86.	35.8
%RSD	.32392	.28699	.16532	.87217
#1	2719.8	6504.0	51660.	4136.9
#2	2703.5	6467.7	51827.	4069.3
#3	2717.3	6478.7	51776.	4123.7

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Sample Name: MP30366-SD1 Acquired: 5/18/2016 12:29:53 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0174	266.2	.0183	1.366	-.0097	13.09	-.0068	.0123	.4059	.0854
Stddev	.0153	2.6	.0063	.024	.0019	.07	.0004	.0021	.1063	.0081
%RSD	87.84	.9851	34.55	1.774	19.70	.5069	5.483	17.33	26.19	9.497
#1	.0174	269.2	.0252	1.361	-.0080	13.17	-.0069	.0132	.4236	.0841
#2	.0021	264.6	.0168	1.392	-.0093	13.08	-.0070	.0098	.2918	.0781
#3	.0327	264.8	.0128	1.344	-.0118	13.03	-.0063	.0138	.5022	.0941

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	169.5	35.57	12.78	.7756	-.0311	15.72	.1680	.3614	-.0533	.0065
Stddev	.4	.30	.55	.0137	.0017	.97	.0021	.0172	.0117	.0245
%RSD	.2484	.8299	4.304	1.763	5.356	6.161	1.238	4.759	21.87	378.5
#1	169.4	35.91	12.17	.7613	-.0326	15.17	.1657	.3554	-.0632	-.0187
#2	170.0	35.36	13.22	.7769	-.0313	15.15	.1698	.3807	-.0405	.0078
#3</										

Sample Name: MP30366-PS1 Acquired: 5/18/2016 12:33:58 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0504	152.5	.1319	.7322	.0527	15.24	.0507	.0674	2.551	2.117
Stddev	.0005	.1	.0017	.0018	.0007	.01	.0002	.0004	.0019	.0009
%RSD	1.013	.0809	1.322	2.465	1.352	.0837	3.420	5.919	7.514	4.110

#1	.0504	152.6	.1328	.7307	.0527	15.23	.0508	.0674	2.545	2.122
#2	.0498	152.6	.1329	.7342	.0519	15.25	.0505	.0671	2.536	2.107
#3	.0509	152.4	.1299	.7318	.0534	15.24	.0508	.0679	2.573	2.122

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	150.2	20.81	14.51	6.899	1.026	11.90	2.041	4.086	1.015	0.978
Stddev	.3	.08	.09	0.009	.0007	.12	.0010	.0038	.0048	.0023
%RSD	.1883	4.076	.6345	.1322	.6798	.9756	4.751	.9397	4.687	2.318

#1	149.9	20.90	14.61	6.909	1.021	11.89	2.040	4.062	1.037	0.956
#2	150.4	20.73	14.43	6.897	1.034	12.02	2.031	4.130	0.960	1.001
#3	150.3	20.79	14.50	6.891	1.024	11.78	2.051	4.066	1.048	0.978

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	4.510	.0970	.1963	5.734	.0996	4.252	3.897
Stddev	.013	.0020	.0014	.014	.0067	.0007	.0003
%RSD	.2877	2.103	.7003	2.410	6.733	1.679	0.724

#1	4.515	.0970	.1952	5.749	.1065	4.251	3.900
#2	4.495	.0949	.1978	5.730	.0994	4.259	3.896
#3	4.519	.0990	.1959	5.723	.0931	4.245	3.894

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2684.6	6524.3	50785.	4037.3
Stddev	10.3	7.3	111.	17.7
%RSD	.38466	.11195	.21814	.43771

#1	2681.9	6519.2	50739.	4056.4
#2	2675.8	6521.1	50912.	4021.5
#3	2696.0	6532.7	50705.	4034.0

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Sample Name: MP30366-S1 Acquired: 5/18/2016 12:38:01 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0583	221.1	2.008	2.749	.0559	39.31	.0521	.5636	.4529	.3730
Stddev	.0014	.3	.012	.004	.0009	.10	.0001	.0016	.0023	.0010
%RSD	2.434	.1506	.5888	.1578	1.623	.2527	.1033	.2797	.5148	.2772

#1	.0567	221.1	2.004	2.746	.0551	39.20	.0521	.5620	.4535	.3742
#2	.0592	220.8	1.998	2.747	.0556	39.38	.0521	.5635	.4503	.3727
#3	.0590	221.4	2.021	2.754	.0569	39.36	.0522	.5651	.4549	.3722

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	193.7	38.44	37.99	1.255	4.764	28.40	6.780	9.271	1.650	2.037
Stddev	.3	.09	.09	.002	.0014	.02	.0017	.0017	.0034	.006
%RSD	.1462	.2319	.2355	.1426	.3007	.0803	.2524	.1887	2.036	.3081

#1	193.4	38.55	37.96	1.254	4.755	28.37	6.767	9.291	1.671	2.030
#2	193.8	38.40	37.92	1.253	4.757	28.41	6.772	9.258	1.611	2.037
#3	193.9	38.39	38.09	1.257	4.780	28.41	6.799	9.263	1.667	2.043

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.699	.5699	.7014	6.373	2.142	9.281	6.550
Stddev	.010	.0022	.0021	.007	.004	.0021	.0014
%RSD	.1725	.3789	.2930	1.159	2.023	2.277	2.205

#1	5.697	.5674	.7024	6.372	2.143	9.293	6.538
#2	5.691	.5707	.6990	6.367	2.137	9.257	6.546
#3	5.710	.5715	.7028	6.381	2.145	9.293	6.566

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2640.1	6523.7	50291.	4053.7
Stddev	4.6	1.8	147.	17.3
%RSD	.17454	.02763	.29214	.42689

#1	2636.0	6521.7	50353.	4069.9
#2	2639.2	6525.2	50396.	4035.5
#3	2645.1	6524.2	50123.	4055.9

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7.1
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Sample Name: MP30366-S2 Acquired: 5/18/2016 12:43:55 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0552	208.7	1.926	2.637	.0548	37.94	.0502	.5444	4.326	3.550
Stddev	.0020	.5	.005	.008	.0010	.10	.0000	.0017	.0032	.0009
%RSD	3.672	2.634	2.779	3.044	1.845	2.761	.0717	3.214	7.498	2.508

#1	.0565	209.3	1.922	2.645	.0559	38.05	.0502	.5445	4.322	3.542
#2	.0528	208.2	1.923	2.637	.0539	37.84	.0502	.5426	4.361	3.549
#3	.0562	208.6	1.932	2.629	.0544	37.94	.0502	.5461	4.296	3.560

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	181.4	36.85	36.18	1.189	4.607	27.72	6.506	8.704	1.598	1.953
Stddev	.5	.13	.13	.002	.0017	.10	.0014	.0041	.0027	.007
%RSD	.2504	.3403	.3544	.1536	.3683	3.463	2.137	4.713	1.714	3.813

#1	181.8	36.88	36.13	1.187	4.598	27.81	6.517	8.666	1.620	1.956
#2	181.4	36.72	36.09	1.191	4.596	27.73	6.490	8.698	1.568	1.945
#3	180.9	36.96	36.33	1.189	4.626	27.62	6.512	8.747	1.607	1.958

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.498	.5423	.6735	6.058	2.073	8.765	6.477
Stddev	.014	.0017	.0023	.010	.011	.0014	.0015
%RSD	.2604	.3101	.3347	.1584	.5219	.1610	.2278

#1	5.501	.5432	.6759	6.048	2.061	8.780	6.480
#2	5.482	.5404	.6714	6.067	2.081	8.761	6.461
#3	5.510	.5434	.6733	6.058	2.078	8.753	6.491

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2652.4	6566.5	50431.	4009.0
Stddev	4.1	4.5	135.	42.0
%RSD	.15625	.06839	.26854	1.0482

#1	2656.5	6562.6	50417.	3960.5
#2	2648.2	6571.4	50304.	4034.6
#3	2652.4	6565.5	50573.	4032.0

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Sample Name: CCV Acquired: 5/18/2016 12:50:58 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.45	40.77	2.031	2.046	2.038	41.24	2.053	2.052	2.037	2.032
Stddev	.0006	.14	.002	.005	.007	.18	.000	.001	.003	.002
%RSD	2.258	.3504	.0984	.2679	.3416	4.310	.0175	.0363	.1529	.0990

#1	25.39	40.89	2.034	2.046	2.039	41.34	2.053	2.052	2.036	2.034
#2	25.48	40.61	2.030							

Sample Name: CCV Acquired: 5/18/2016 12:50:58 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2367.4	6065.8	4760.5	3855.3
Stddev	6.7	6.5	232.	13.5
%RSD	.28095	.10755	.48772	.35044
#1	2373.1	6073.1	47688.	3842.8
#2	2368.9	6063.6	47784.	3869.6
#3	2360.1	6060.6	47342.	3853.4

Sample Name: CCB Acquired: 5/18/2016 12:58:32 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0055	-0.003	-0.003	-0.003	-0.103	-0.001	-0.002
Stddev	.0006	.0157	.0010	.0002	.0001	.0024	.0000	.0001
%RSD	978.8	282.9	372.1	61.30	27.16	23.42	31.88	32.68
#1	.0002	.0179	-0.005	-0.001	-0.004	-0.079	-0.001	-0.002
#2	.0004	-.0121	-0.011	-0.004	-0.002	-0.127	-0.002	-0.001
#3	-.0007	.0108	.0008	-0.005	-0.003	-0.104	-0.002	-0.001

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	-0.001	-0.0086	.0722	.0170	-0.003	F-.0012	.0260
Stddev	.0001	.0001	.0013	.0267	.0347	.0000	.001	.0094
%RSD	33.31	101.1	15.18	37.01	204.1	17.63	9.888	36.26
#1	-.0005	-.0001	-.0078	.0477	.0455	-.0003	-.0011	.0189
#2	-.0003	-.0002	-.0080	.1007	-.0216	-.0002	-.0012	.0367
#3	-.0003	.0000	-.0102	.0683	.0272	-.0003	-.0014	.0224

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail .0010 Chk Pass
 .0010

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0005	F-.0023	-0.007	-0.008	-0.003	-0.002	-0.008
Stddev	.0001	.0005	.0008	.0009	.0004	.0002	.0001	.0001
%RSD	71.65	120.0	33.64	138.4	52.17	64.99	78.40	6.263
#1	-.0001	.0010	-.0028	-.0008	-.0012	-.0001	-.0002	-.0008
#2	.0000	.0005	-.0014	.0003	-.0004	-.0005	.0000	-.0008
#3	-.0001	-.0001	-.0027	-.0016	-.0008	-.0004	-.0002	-.0007

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Fail .0020 Chk Pass None Chk Pass Chk Pass Chk Pass
 .0020

Sample Name: CCB Acquired: 5/18/2016 12:58:32 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	.0000	-.0003	-.0004
Stddev	.001	.0001	.0000
%RSD	1595.	37.04	9.789
#1	-.0007	-.0005	-.0003
#2	-.0001	-.0002	-.0004
#3	.0007	-.0003	-.0004

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2772.9	6401.3	50372.	39111.8
Stddev	4.3	6.1	145.	13.0
%RSD	.15404	.09565	.28845	.33251
#1	2775.2	6396.6	50223.	3897.2
#2	2775.5	6408.2	50513.	3922.1
#3	2768.0	6399.1	50379.	3916.2

Sample Name: MP30368-MB1 Acquired: 5/18/2016 13:03:50 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-.0003	-.0009	-.0006	-.0005	-.0126	-.0002	-.0003	-.0002	-.0002
Stddev	.0002	.0116	.0003	.0002	.0000	.0007	.0000	.0001	.0003	.0002
%RSD	98.59	4570.	38.36	37.62	9.696	5.750	12.59	43.67	134.8	67.04
#1	.0003	-.0127	-.0011	-.0004	-.0005	-.0126	-.0002	-.0002	.0001	-.0002
#2	.0000	.0102	-.0005	-.0007	-.0005	-.0118	-.0002	-.0002	-.0005	-.0001
#3	.0004	.0018	-.0011	-.0008	-.0004	-.0133	-.0002	-.0004	-.0002	-.0004

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0142	.0752	.0203	-.0004	-.0015	.0220	-.0003	-.0011	-.0015	-.0011
Stddev	.0007	.0184	.0204	.0000	.0001	.0080	.0001	.0002	.0014	.0013
%RSD	5.264	24.50	100.5	8.248	4.589	36.31	30.83	17.12	96.10	116.5
#1	-.0143	.0559	.0413	-.0003	-.0015	.0159	-.0002	-.0013	-.0014	-.0010
#2	-.0148	.0926	.0189	-.0003	-.0015	.0190	-.0005	-.0010	-.0001	.0002
#3	-.0134	.0771	.0006	-.0004	-.0016	.0310	-.0003	-.0010	-.0029	-.0024

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0078	-.0005	-.0004	-.0009	-.0005	-.0006	-.0004
Stddev	.0000	.0002	.0000	.0001	.0003	.0000	.0000
%RSD	.0897	34.57	6.593	11.28	63.09	7.263	4.757
#1	.0078	-.0003	-.0004	-.0009	-.0008	-.0006	-.0004
#2	.0078	-.0004	-.0004	-.0008	-.0004	-.0006	-.0005
#3	.0078	-.0006	-.0004	-.0010	-.0002	-.0007	-.0004

Check ? High Limit Low Limit
 None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: MP30368-MB1 Acquired: 5/18/2016 13:03:50 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2828.0	6561.7	5134.4	4026.5
Stddev	3.6	11.1	185.	31.3
%RSD	.12646	.16962	.35971	.77760
#1	2828.1	6553.5	51330.	4013.4
#2	2831.6	6574.4	51536.	4062.3
#3	2824.4	6557.2	51167.	4003.9

Sample Name: MP30368-B1 Acquired: 5/18/2016 13:08:00 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0472	26.35	1.894	2.014	.0504	25.21	.0490	.4926	.2013	.2499
Stddev	.0001	.07	.007	.002	.0001	.06	.0001	.0014	.0010	.0007
%RSD	.1864	.2686	.3737	.0977	.1721	.2242	.1572	.2786	.4774	.2622
#1	.0473	26.28	1.886	2.016	.0504	25.18	.0490	.4911	.2023	.2499
#2	.0472	26.34	1.895	2.013	.0503	25.18	.0491	.4933	.2009	.2493
#3	.0471	26.42	1.900	2.014	.0505	25.28	.0490	.4936	.2005	.2506

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.53	24.31	24.30	.5080	.4642	24.51	.4946	.4743	.4803	1.911
Stddev	.01	.05	.17	.0005	.0016	.06	.0016	.0013	.0025	.006
%RSD	.0401	.1858	.6929	.0907	.3493	.2422	.3143	.2796	.5123	.3305
#1	25.54	24.36	24.34	.5085	.4624	24.48	.4932	.4729	.4783	1.905
#2	25.52	24.26	24.12	.5079	.4647	24.48	.4944	.4755	.4796	1.910
#3	25.54	24.31	24.45	.5076	.4656	24.58	.4962	.4745	.4831	1.918

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0152	.4759	.4776	.4812	1.944	.4589	.4877
Stddev	.0007	.0016	.0017	.0020	.007	.0019	.0009
%RSD	4.885	.3333	.3663	.4243	.3442	.4119	.1838
#1	.0152	.4743	.4759	.4836	1.936	.4611	.4867
#2	.0145	.4758	.4775	.4800	1.948	.4576	.4880
#3	.0160	.4775	.4794	.4800	1.948	.4581	.4885

Check ? None Chk Pass None None Chk PassChk PassChk Pass Value Range

7.1
7

Sample Name: MP30368-B1 Acquired: 5/18/2016 13:08:00 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2574.9	6423.4	49435.	3996.6
Stddev	2.5	9.2	186.	10.8
%RSD	.09547	.14391	.37600	.26999
#1	2577.5	6434.0	49376.	3990.8
#2	2572.7	6418.5	49286.	3989.9
#3	2574.5	6417.6	49644.	4009.0

Sample Name: FA33957-21 Acquired: 5/18/2016 13:11:57 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0005	4.114	.0140	.0152	.0002	335.4	.0112	.0349	.0141
Stddev	.0002	.033	.0001	.0003	.0001	2.8	.0001	.0001	.0001
%RSD	36.04	.7903	.4049	1.962	28.28	.8394	.8927	.4290	.7886
#1	.0003	4.152	.0140	.0155	.0003	334.0	.0112	.0351	.0141
#2	.0006	4.100	.0141	.0153	.0002	333.5	.0111	.0348	.0141
#3	.0005	4.092	.0140	.0149	.0003	338.7	.0113	.0349	.0143

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0050	2.635	8.456	455.4	F22.68	-0.0009	F93.92	.2664	.0022
Stddev	.0002	.021	.039	2.3	.14	.0001	.67	.0002	.0005
%RSD	3.653	.8164	.4645	.4972	.6123	11.25	.7108	.0799	22.79
#1	.0052	2.638	8.467	457.6	22.52	-0.0009	94.65	.2665	.0024
#2	.0050	2.613	8.412	453.1	22.79	-0.0008	93.35	.2662	.0027
#3	.0049	2.655	8.488	455.6	22.72	-0.0009	93.75	.2666	.0017

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0014	.0154	28.88	-.0012	.1580	.0890	.0134	.0367	.0450
Stddev	.0017	.0009	.05	.0001	.0011	.0041	.0012	.0004	.0001
%RSD	121.5	6.132	.1744	12.70	.7016	4.626	8.986	.9662	.2413
#1	-.0009	.0149	28.85	-.0011	.1593	.0925	.0148	.0364	.0451
#2	-.0033	.0148	28.86	-.0013	.1572	.0845	.0127	.0368	.0449
#3	.0000	.0165	28.94	-.0010	.1575	.0899	.0127	.0371	.0451

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2222.1	5825.1	45228.	3968.5
Stddev	.6	6.7	442.	23.9
%RSD	.02563	.11563	.97663	.60290
#1	2222.7	5825.4	45677.	3949.4
#2	2221.6	5831.7	44794.	3995.3
#3	2221.9	5818.2	45213.	3960.8

Sample Name: MP30368-D1 Acquired: 5/18/2016 13:16:17 Type: Unk
Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std. Avg, Stddev, %RSD, #1, #2, #3)

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Sample Name: MP30368-PS1 Acquired: 5/18/2016 13:24:52 Type: Unk
Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std. Avg, Stddev, %RSD, #1, #2, #3)

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Sample Name: MP30368-SD1 Acquired: 5/18/2016 13:20:39 Type: Unk
Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std. Avg, Stddev, %RSD, #1, #2, #3)

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Sample Name: MP30368-S1 Acquired: 5/18/2016 13:29:09 Type: Unk
Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std. Avg, Stddev, %RSD, #1, #2, #3)

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7.1

7

Sample Name: MP30368-S2 Acquired: 5/18/2016 13:33:33 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0508	30.92	2.018	2.050	.0502	368.4	.0588	.5048	2.146
Stddev	.0002	.23	.006	.012	.0002	3.6	.0001	.0008	.0010
%RSD	.3059	.7587	.2985	.5867	.4334	.9820	.1753	.1544	.4583
#1	.0507	31.17	2.012	2.064	.0504	372.6	.0588	.5039	2.156
#2	.0508	30.90	2.018	2.041	.0503	365.9	.0589	.5050	2.144
#3	.0510	30.70	2.024	2.045	.0500	366.8	.0587	.5054	2.137
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2613	27.58	33.52	482.9	F22.95	.4673	F116.6	.7314	4.791
Stddev	.0009	.18	.22	2.8	.12	.0008	1.6	.0010	.0008
%RSD	.3324	.6702	.6630	.5736	.5312	.1804	1.409	.1375	.1599
#1	.2607	27.79	33.77	485.9	22.81	.4664	118.5	.7305	4.795
#2	.2609	27.45	33.40	480.5	23.03	.4675	115.7	.7312	4.795
#3	.2623	27.49	33.38	482.2	23.02	.4680	115.6	.7325	4.782
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5004	2.058	28.40	4.583	6.481	.5727	1.919	.5010	5.152
Stddev	.0050	.003	.07	.0012	.0043	.0015	.005	.0016	.0004
%RSD	1.002	.1335	.2588	.2551	.6604	.2706	.2654	.3137	.0760
#1	.4947	2.055	28.33	4.578	.6530	.5709	1.921	.4993	5.156
#2	.5020	2.060	28.40	4.575	.6464	.5734	1.923	.5023	5.150
#3	.5043	2.058	28.48	4.596	.6449	.5737	1.914	.5016	5.149
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2168.1	5787.4	4425.0	3804.1					
Stddev	8.8	7.1	314.	27.1					
%RSD	.40686	.12289	.71020	.71337					
#1	2168.6	5792.4	44613.	3773.9					
#2	2159.0	5779.2	44083.	3826.3					
#3	2176.6	5790.4	44055.	3812.1					

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Sample Name: FA33957-3 Acquired: 5/18/2016 13:37:50 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0045	103.1	.0796	.0107	.0047	132.3	.2748	.1481	.0838
Stddev	.0002	.2	.0001	.0002	.0001	.3	.0001	.0002	.0002
%RSD	5.155	.1899	.0951	2.109	1.720	.2302	.0502	.1425	.2869
#1	.0043	103.1	.0796	.0104	.0047	132.1	.2748	.1480	.0837
#2	.0046	103.3	.0797	.0109	.0046	132.6	.2746	.1481	.0841
#3	.0047	103.0	.0795	.0107	.0048	132.1	.2749	.1484	.0837
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0755	2.666	41.93	212.2	F9.162	.0175	F172.9	1.129	.0006
Stddev	.0001	.006	.10	.4	.027	.0000	2.0	.002	.0008
%RSD	.0872	.2380	.2498	.2035	.2981	.2141	1.165	.1656	142.6
#1	.0756	2.664	42.03	211.9	9.140	.0176	171.4	1.128	.0011
#2	.0755	2.673	41.94	212.7	9.154	.0175	175.2	1.129	.0010
#3	.0755	2.661	41.82	212.1	9.192	.0175	172.0	1.132	-.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0020	.0178	31.27	-.0007	.2765	.0078	.0031	.5642	3.284
Stddev	.0010	.0015	.08	.0003	.0005	.0001	.0006	.0004	.004
%RSD	49.44	8.462	.2695	47.83	.1821	.6840	18.00	.0680	.1225
#1	-.0009	.0162	31.18	-.0004	.2761	.0078	.0029	.5639	3.288
#2	-.0023	.0192	31.28	-.0006	.2770	.0077	.0037	.5640	3.280
#3	-.0028	.0180	31.35	-.0011	.2763	.0078	.0027	.5646	3.285
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2250.3	6121.3	46159.	3918.4					
Stddev	5.2	13.3	147.	32.0					
%RSD	.23079	.21655	.31896	.81604					
#1	2244.7	6112.4	46231.	3951.2					
#2	2254.9	6136.5	46257.	3887.4					
#3	2251.1	6114.9	45990.	3916.6					

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7.1
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Sample Name: FA33957-4 Acquired: 5/18/2016 13:42:08 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0008	18.97	.0278	.0080	.0006	195.2	.0756	.1244	.0046
Stddev	.0007	.07	.0004	.0000	.0001	1.9	.0001	.0002	.0005
%RSD	87.92	.3494	1.375	.4592	13.34	.9962	.0692	.1318	10.60
#1	.0000	19.04	.0279	.0081	.0006	197.4	.0756	.1242	.0043
#2	.0010	18.94	.0274	.0081	.0007	194.4	.0755	.1245	.0044
#3	.0014	18.92	.0281	.0080	.0006	193.8	.0756	.1244	.0052
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0198	.0771	19.33	158.5	F7.942	-.0021	F104.7	.6446	.0013
Stddev	.0000	.0019	.09	1.0	.025	.0001	.6	.0008	.0003
%RSD	.1206	2.464	.4820	.6009	.3148	3.328	.5734	.1262	25.84
#1	.0198	.0779	19.43	159.6	7.918	-.0020	105.4	.6438	.0009
#2	.0198	.0784	19.27	158.1	7.940	-.0020	104.4	.6454	.0016
#3	.0198	.0749	19.27	157.8	7.968	-.0022	104.3	.6446	.0015
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0018	.0076	50.95	-.0009	.2177	.0012	.0037	.0093	.4731
Stddev	.0010	.0019	.04	.0001	.0009	.0001	.0001	.0002	.0002
%RSD	54.89	25.49	.0838	10.68	.4198	12.31	3.727	2.479	.0397
#1	-.0024	.0091	50.99	-.0010	.2187	.0011	.0039	.0096	.4730
#2	-.0024	.0084	50.91	-.0009	.2169	.0011	.0036	.0093	.4729
#3	-.0007	.0054	50.96	-.0008	.2175	.0013	.0037	.0091	.4733
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2335.0	6102.5	47589.	3985.0					
Stddev	2.8	8.3	86.	21.3					
%RSD	.11784	.13559	.18050	.53385					
#1	2338.1	6108.6	47678.	3963.1					
#2	2333.1	6093.1	47581.	3986.2					
#3	2333.8	6105.8	47507.	4005.6					

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Sample Name: CCV Acquired: 5/18/2016 13:46:30 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2551	40.79	2.041	2.061	2.039	41.30	2.058	2.056	2.036	2.033
Stddev	.0004	.16	.004	.009	.009	.16	.004	.003	.004	.004
%RSD	.1528	4.020	.1709	.4339	.4664	.3920	.1843	.1225	.2017	.1860
#1	2551	40.88	2.037	2.061	2.039	41.36	2.054	2.053	2.031	2.030
#2	2547	40.60	2.044	2.053	2.029	41.12	2.061	2.058	2.038	2.032
#3	2555	40.89	2.042	2.071	2.048	41.42	2.060	2.058	2.039	2.037
Check ?	Chk	PassChk	PassChk	PassChk	PassChk	PassChk	PassChk	PassChk	PassChk	PassChk
Value										
Range										
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	42.89	40.68	40.88	2.083	2.056	39.51	2.058	2.012	2.037	2.030
Stddev	.18	.21	.22	.002	.006	.21	.003	.002	.001	.005
%RSD	.4101	.5066	.5385	.0987	.3056	.5359	.1358	.1101	.0461	.2618
#1	42.90	40.7								

Sample Name: CCV Acquired: 5/18/2016 13:46:30 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2364.8	6057.0	4748.0	3818.5
Stddev	4.3	16.9	227.	26.0
%RSD	.18263	.27825	.47854	.68116

#1	2363.5	6075.1	47709.	3798.0
#2	2369.6	6054.3	47255.	3847.7
#3	2361.2	6041.7	47476.	3809.7

Sample Name: CCB Acquired: 5/18/2016 13:50:26 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0049	.0008	-.0005	-.0004	-.0105	-.0001	-.0001
Stddev	.0001	.0071	.0008	.0002	.0001	.0020	.0000	.0001
%RSD	64.19	144.7	103.1	43.31	29.82	18.99	39.60	182.8

#1	.0002	.0082	.0013	-.0007	-.0003	-.0093	-.0001	-.0001
#2	.0001	.0097	.0013	-.0003	-.0005	-.0128	-.0002	-.0001
#3	.0002	-.0032	-.0002	-.0004	-.0003	-.0095	-.0001	.0001

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	-.0004	.0055	.1564	-.0082	.0000	.0007	.1329
Stddev	.0003	.0002	.0063	.0258	.0392	.000	.0005	.0077
%RSD	81.15	44.70	114.7	16.49	479.4	309.0	73.14	5.824

#1	-.0006	-.0002	.0127	.1266	.0363	.0000	.0012	.1291
#2	.0000	-.0006	.0007	.1723	-.0234	.0000	.0004	.1277
#3	-.0005	-.0004	.0031	.1703	-.0375	.0000	.0003	.1418

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	F-.0013	-.0013	.0007	.0010	-.0004	-.0003	.0004
Stddev	.0000	.0005	.0011	.0011	.0004	.0002	.0001	.0001
%RSD	26.02	38.50	85.86	160.4	35.74	55.08	37.66	24.49

#1	-.0001	-.0008	-.0001	-.0001	.0014	-.0005	-.0003	.0005
#2	-.0001	-.0013	-.0017	.0003	.0006	-.0002	-.0002	.0004
#3	-.0002	-.0018	-.0022	.0019	.0011	-.0006	-.0003	.0003

Check ? High Limit Low Limit
 Chk Pass Chk Fail .0010
 .0010

7.1
7

Sample Name: CCB Acquired: 5/18/2016 13:50:26 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	-.0004	-.0004	-.0004
Stddev	.0005	.0001	.0001
%RSD	124.3	39.84	18.80

#1	.0002	-.0005	-.0004
#2	-.0008	-.0002	-.0004
#3	-.0006	-.0004	-.0003

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2751.6	6388.2	49915.	3833.5
Stddev	.8	3.1	152.	11.4
%RSD	.03073	.04928	.30383	.29704

#1	2751.4	6389.6	50078.	3823.4
#2	2750.9	6384.6	49779.	3831.1
#3	2752.6	6390.4	49887.	3845.8

Sample Name: ICV Acquired: 5/18/2016 14:24:19 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2496	42.00	2.018	2.119	2.102	42.95	2.052	2.070	2.081	2.042
Stddev	.0010	.07	.013	.005	.006	.08	.014	.014	.002	.004
%RSD	.4125	.1676	.6643	.2440	.2960	.1927	.6736	.6938	.0739	.1910

#1	.2501	42.07	2.031	2.122	2.106	43.01	2.067	2.085	2.083	2.042
#2	.2503	41.93	2.017	2.113	2.095	42.86	2.048	2.067	2.080	2.046
#3	.2484	42.01	2.005	2.121	2.105	43.00	2.040	2.057	2.081	2.038

Check ? Value Range
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	41.52	42.72	43.43	2.118	1.910	43.21	2.078	2.047	2.036	2.059
Stddev	.08	.07	.14	.003	.012	.11	.018	.015	.016	.012
%RSD	.1959	.1612	.3198	.1453	.6040	.2456	.6558	.7280	.7927	.5872

#1	41.54	42.80	43.59	2.121	1.923	43.33	2.092	2.064	2.053	2.071
#2	41.44	42.67	43.35	2.116	1.907	43.12	2.075	2.039	2.035	2.057
#3	41.60	42.70	43.36	2.117	1.900	43.18	2.065	2.037	2.020	2.047

Check ? Value Range
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0812	2.045	1.980	1.987	2.120	1.930	2.076
Stddev	.0007	.013	.006	.004	.018	.000	.013
%RSD	.8511	.6273	.3069	.1916	.8517	.0179	.6280

#1	.0819	2.059	1.985	1.990	2.141	1.930	2.090
#2	.0813	2.043	1.973	1.987	2.110	1.930	2.073
#3	.0805	2.033	1.983	1.983	2.110	1.930	2.064

Check ? Value Range
 None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 5/18/2016 14:24:19 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2369.8	6094.4	46876.	3790.0
Stddev	12.0	28.4	307.	21.8
%RSD	.50730	.46597	.65499	.57581

#1	2355.9	6062.9	46897.	3771.8
#2	2377.5	6102.2	47173.	3783.9
#3	2375.9	6118.0	46560.	3814.2

Sample Name: CCV Acquired: 5/18/2016 14:30:38 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2514	40.72	2.008	2.020	2.032	40.97	2.038	2.031	2.037	2.023
Stddev	.0008	.10	.003	.005	.006	.10	.002	.001	.003	.005
%RSD	.2994	.2541	.1308	.2487	.2869	.2367	.0848	.0509	.1518	.2287

#1	2506	40.84	2.007	2.025	2.036	41.07	2.039	2.031	2.040	2.018
#2	2521	40.65	2.011	2.015	2.025	40.87	2.038	2.032	2.036	2.028
#3	2515	40.67	2.006	2.021	2.034	40.98	2.036	2.030	2.034	2.022

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	42.12	40.86	41.12	2.059	2.029	41.07	2.035	2.007	2.007	2.012
Stddev	.11	.13	.11	.002	.003	.12	.002	.002	.001	.003
%RSD	.2570	.3067	.2704	.0827	.1312	.2929	.0856	.0914	.0691	.1605

#1	42.20	40.98	41.21	2.059	2.025	41.21	2.035	2.008	2.006	2.009
#2	41.99	40.73	40.99	2.057	2.030	40.97	2.037	2.005	2.008	2.014
#3	42.15	40.88	41.15	2.060	2.030	41.03	2.033	2.008	2.006	2.015

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.081	2.054	2.039	2.064	2.023	2.040	2.040
Stddev	.002	.002	.008	.004	.003	.002	.002
%RSD	.0907	.0900	.3910	.1673	.1294	.1054	.1018

#1	2.080	2.055	2.047	2.060	2.026	2.040	2.042
#2	2.083	2.056	2.031	2.065	2.021	2.037	2.041
#3	2.080	2.052	2.040	2.066	2.022	2.041	2.038

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass Value Range

7.1
7

Sample Name: CCV Acquired: 5/18/2016 14:30:38 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2363.4	6084.6	47352.	3808.1
Stddev	2.8	7.3	21.	13.5
%RSD	.11682	.12036	.04369	.35533

#1	2365.2	6086.4	47329.	3816.3
#2	2360.3	6076.5	47358.	3792.5
#3	2364.9	6090.8	47369.	3815.5

Sample Name: CCB Acquired: 5/18/2016 14:38:22 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0112	.0010	.0007	.0006	.0120	.0002	.0002	.0005	.0002
Stddev	.0002	.0150	.0002	.0001	.0001	.0036	.0001	.0001	.0001	.0001
%RSD	82.78	133.7	25.21	19.23	23.08	29.55	41.40	46.37	17.77	39.80

#1	-.0001	.0258	.0011	.0009	.0007	.0142	.0003	.0003	.0004	.0001
#2	-.0002	.0119	.0011	.0006	.0007	.0139	.0002	.0002	.0006	.0002
#3	-.0005	-.0041	.0007	.0006	.0005	.0079	.0001	.0002	.0005	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass High Limit Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0174	.0700	.0279	.0003	.0009	-.0103	.0003	-.0003	.0010	-.0009
Stddev	.0050	.0202	.0029	.0000	.0000	.0073	.0001	.0004	.0004	.0011
%RSD	28.76	28.93	10.31	11.65	2.182	70.90	41.41	104.1	38.23	125.5

#1	.0221	.0548	.0309	.0004	.0009	-.0022	.0005	.0000	.0014	.0003
#2	.0180	.0929	.0252	.0003	.0009	-.0163	.0002	-.0004	.0007	-.0011
#3	.0121	.0621	.0275	.0003	.0009	-.0125	.0003	-.0007	.0008	-.0019

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass High Limit Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0004	.0005	.0007	.0015	.0006	.0002
Stddev	.0006	.0001	.0001	.0001	.0002	.0002	.0001
%RSD	138.1	29.14	30.52	17.09	14.04	28.67	34.30

#1	.0006	.0005	.0005	.0009	.0014	.0007	.0003
#2	-.0002	.0003	.0006	.0007	.0017	.0007	.0002
#3	.0009	.0003	.0003	.0007	.0013	.0004	.0001

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass High Limit Low Limit

Sample Name: CCB Acquired: 5/18/2016 14:38:22 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2791.3	6456.2	50543.	3904.3
Stddev	5.5	14.5	206.	32.5
%RSD	.19859	.22401	.40812	.83280
#1	2797.4	6472.4	50718.	3871.2
#2	2789.8	6451.9	50315.	3905.3
#3	2786.6	6444.4	50594.	3936.2

Sample Name: FA33957-5 Acquired: 5/18/2016 14:42:07 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0042	101.4	.0801	.0111	.0055	130.0	2731	.1471	.0836
Stddev	.0002	.4	.0006	.0001	.0001	.6	.0004	.0003	.0000
%RSD	5.391	.4223	.6871	1.024	1.940	.4717	.1290	.2354	.0340
#1	.0042	101.3	.0806	.0111	.0055	129.6	.2732	.1473	.0836
#2	.0044	101.9	.0802	.0112	.0056	130.7	.2727	.1467	.0837
#3	.0039	101.1	.0795	.0110	.0054	129.6	.2734	.1472	.0836
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0755	2.622	42.17	213.5	F9.055	.0194	F181.1	1.126	.0009
Stddev	.0003	.009	.26	1.2	.110	.0001	5.0	.002	.0006
%RSD	.4275	.3510	.6168	.5623	1.214	.5677	2.772	.1452	75.70
#1	.0757	2.611	42.04	213.0	9.144	.0195	181.7	1.127	.0002
#2	.0756	2.628	42.47	214.9	8.932	.0195	185.8	1.124	.0009
#3	.0751	2.626	42.00	212.7	9.089	.0193	175.8	1.126	.0015
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0027	.0163	31.00	-.0002	.2699	.0089	.0047	.5640	3.286
Stddev	.0009	.0019	.05	.0002	.0005	.0002	.0016	.0011	.005
%RSD	34.99	11.84	.1636	125.1	.1966	2.501	34.16	.2031	.1454
#1	.0030	.0142	31.01	-.0002	.2696	.0090	.0057	.5649	3.288
#2	.0035	.0180	30.94	.0001	.2705	.0087	.0056	.5644	3.281
#3	.0017	.0166	31.04	-.0004	.2696	.0091	.0028	.5627	3.290
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2255.5	6139.5	46344.	3900.0					
Stddev	1.5	6.8	288.	55.8					
%RSD	.06834	.11012	.62091	1.4300					
#1	2255.2	6133.5	46059.	3930.7					
#2	2257.2	6146.8	46634.	3835.6					
#3	2254.2	6138.3	46341.	3933.7					

7.1
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Sample Name: FA33957-6 Acquired: 5/18/2016 14:46:26 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0001	.3609	.0051	.0688	.0002	203.6	.0003	.0001	.0053
Stddev	.0003	.0095	.0005	.0003	.0001	1.3	.0000	.0001	.0002
%RSD	277.2	2.629	9.348	.4348	28.33	.6482	9.812	75.87	4.167
#1	.0000	.3533	.0057	.0689	.0002	205.2	.0003	.0001	.0051
#2	.0005	.3579	.0050	.0684	.0003	203.0	.0003	.0003	.0052
#3	-.0001	.3716	.0048	.0690	.0002	202.8	.0003	.0001	.0056
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0022	.2924	4.531	49.21	.0128	.0246	F88.54	.0028	.0004
Stddev	.0003	.0063	.020	.07	.0002	.0001	.23	.0003	.0003
%RSD	11.92	2.170	.4448	.1446	1.700	.2118	.2653	8.962	75.95
#1	.0021	.2996	4.512	49.24	.0127	.0246	88.46	.0031	.0007
#2	.0020	.2903	4.528	49.13	.0126	.0246	88.35	.0028	.0002
#3	.0025	.2874	4.552	49.26	.0130	.0245	88.80	.0026	.0002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0024	.0062	10.45	-.0002	.3915	.0121	.0002	.0091	.0110
Stddev	.0008	.0009	.04	.0001	.0012	.0011	.0009	.0002	.0000
%RSD	31.21	14.01	.3624	47.10	.2982	8.876	378.7	2.118	.2091
#1	.0033	.0072	10.41	-.0002	.3907	.0134	.0009	.0092	.0110
#2	.0021	.0057	10.45	-.0003	.3910	.0115	.0005	.0093	.0110
#3	.0019	.0057	10.49	-.0001	.3928	.0115	-.0007	.0089	.0110
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2401.8	6027.9	46780.	3892.9					
Stddev	.9	7.6	329.	22.6					
%RSD	.03910	.12544	.70355	.58053					
#1	2400.7	6030.1	46702.	3900.3					
#2	2402.2	6034.2	46497.	3910.9					
#3	2402.5	6019.5	47142.	3867.6					

Sample Name: FA33957-7 Acquired: 5/18/2016 14:50:39 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0003	.0253	.0017	.0005	.0002	.1062	.0002	.0000	.0006	.0006
Stddev	.0002	.0028	.0006	.0002	.0000	.0075	.0001	.0002	.0001	.0004
%RSD	69.34	10.99	37.54	32.41	17.68	7.047	38.82	1181.	21.41	62.30
#1	-.0001	.0257	.0013	.0006	.0001	.1060	.0002	.0000	.0007	.0002
#2	-.0003	.0279	.0024	.0006	.0002	.0988	.0001	.0002	.0005	.0008
#3	-.0006	.0223	.0013	.0003	.0002	.1137	.0003	-.0002	.0006	.0008
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0214	.0915	.0270	.0007	.0002	.1084	.0005	-.0009	.0017	-.0007
Stddev	.0020	.0166	.0236	.0000	.0001	.0058	.0001	.0005	.0003	.0002
%RSD	9.538	18.20	87.41	3.089	43.93	5.339	16.24	56.85	19.67	31.77
#1	.0227	.0951	.0043	.0007	.0002	.1148	.0005	-.0011	.0021	-.0009
#2	.0224	.1060	.0515	.0007	.0001	.1068	.0006	-.0013	.0016	-.0006
#3	.0190	.0733	.0254	.0007	.0003	.1036	.0004	-.0003	.0014	-.0005
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	.0319	.0002	.0002	.0011	-.0004	.0001	.0064			
Stddev	.0008	.0003	.0001	.0001	.0005	.0000	.0001			
%RSD	2.401	114.7	58.31	8.682	139.6	27.90	1.148			
#1	.0319	.0001	.0001	.0011	.0001	.0001	.0064			
#2	.0326	.0000	.0003	.0010	-.0010	.0001	.0063			
#3	.0311	.0005	.0002	.0012	-.0002	.0001	.0064			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2824.7	6567.3	51179.	3938.0						
Stddev	6.0	12.1	133.	37.7						
%RSD	.21097	.18463	.25929	.95699						
#1	2819.1	6558.1	51326.	3975.1						
#2	2824.1	6562.7	51144.	3939.3						
#3	2830.9	6581.1	51068.	3899.7						

Sample Name: FA33957-8 Acquired: 5/18/2016 14:54:48 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0050	245.9	.0787	.0287	.0081	F548.9	5.209	.1648	.1002
Stddev	.0005	.9	.0002	.0002	.0000	5.8	.0002	.0002	.0006
%RSD	9.668	.3549	.2914	.6690	.4452	1.066	.0347	.1429	.6430
#1	.0047	245.2	.0787	.0289	.0080	542.4	5.209	.1649	.1005
#2	.0046	246.9	.0789	.0285	.0081	550.5	5.207	.1645	.0995
#3	.0055	245.5	.0785	.0287	.0081	553.7	5.211	.1649	.1006
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0350	209.2	F159.2	210.9	F6.824	.0190	F216.1	.8370	.0059
Stddev	.0002	.3	.4	.7	.025	.0001	3.4	.0004	.0002
%RSD	.5124	.1568	.2459	.3304	.3604	.6831	1.594	.0527	3.116
#1	.0350	208.8	159.4	210.5	6.812	.0189	220.1	.8371	.0061
#2	.0351	209.4	159.4	211.7	6.852	.0191	214.7	.8366	.0057
#3	.0348	209.3	158.7	210.5	6.807	.0189	213.6	.8374	.0059
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0047	.0050	37.83	.0000	1.851	.0115	.0047	.6876	F4.057
Stddev	.0008	.0024	.02	.000	.006	.0002	.0010	.0018	.003
%RSD	17.35	48.76	.0527	541.7	.3228	1.504	21.02	.2566	.0703
#1	.0047	.0042	37.81	-.0001	1.846	.0113	.0045	.6876	4.057
#2	.0055	.0077	37.85	.0002	1.857	.0116	.0058	.6893	4.054
#3	.0039	.0030	37.82	-.0002	1.849	.0115	.0039	.6858	4.059
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2159.1	5883.0	44386.	3873.5					
Stddev	10.9	18.0	58.	11.9					
%RSD	.50385	.30528	.13133	.30831					
#1	2163.2	5889.4	44453.	3875.8					
#2	2167.3	5896.8	44359.	3884.1					
#3	2146.8	5862.7	44347.	3860.6					

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Sample Name: FA33957-9 Acquired: 5/18/2016 14:59:15 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0056	256.2	.0870	.1074	.0083	461.9	5.589	.1478	.1029
Stddev	.0004	.2	.0014	.0001	.0001	2.3	.0019	.0004	.0008
%RSD	7.756	.0924	1.666	.1252	.7952	.5048	.3396	.2439	.7654
#1	.0051	255.9	.0859	.1073	.0083	461.0	5.570	.1475	.1020
#2	.0058	256.4	.0865	.1076	.0082	460.1	5.589	.1477	.1030
#3	.0058	256.2	.0887	.1073	.0083	464.5	5.608	.1482	.1036
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0649	176.1	F160.7	213.4	F6.394	.0164	F207.2	.9269	.0058
Stddev	.0003	.4	.5	.2	.028	.0001	3.1	.0029	.0016
%RSD	.4553	.2257	.3049	.1155	.4314	.9125	1.477	.3167	27.19
#1	.0650	176.5	161.1	213.5	6.366	.0165	209.4	.9247	.0040
#2	.0646	176.0	160.7	213.6	6.395	.0162	203.7	.9257	.0068
#3	.0652	175.8	160.2	213.1	6.421	.0164	208.4	.9302	.0065
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0020	.0057	30.12	-.0005	2.225	.0076	.0078	.7313	F4.518
Stddev	.0005	.0006	.10	.0003	.001	.0001	.0019	.0045	.014
%RSD	24.77	11.19	.3366	62.62	.0586	.8926	24.27	.6199	.3033
#1	.0025	.0055	30.04	-.0008	2.224	.0076	.0065	.7262	4.503
#2	.0020	.0064	30.08	-.0004	2.226	.0075	.0100	.7331	4.519
#3	.0015	.0052	30.23	-.0002	2.224	.0077	.0070	.7348	4.530
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2182.2	6090.2	45557.	4006.2					
Stddev	6.0	12.9	358.	7.9					
%RSD	.27298	.21150	.78592	.19637					
#1	2189.1	6105.0	45845.	3999.4					
#2	2178.7	6082.7	45670.	4014.8					
#3	2178.9	6082.7	45156.	4004.4					

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Sample Name: FA33957-10 Acquired: 5/18/2016 15:03:40 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	115.6	.1126	.0199	.0031	451.9	6.359	.1965	.0155
Stddev	.0005	.2	.0003	.0001	.0001	1.2	.0006	.0002	.0002
%RSD	416.8	.1712	.2579	.2640	1.963	.2648	.0945	.0937	1.387
#1	-.0001	115.4	.1123	.0199	.0031	451.0	.6365	.1967	.0154
#2	-.0007	115.7	.1129	.0199	.0031	453.2	.6359	.1964	.0153
#3	-.0003	115.7	.1126	.0200	.0030	451.4	.6353	.1964	.0157
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0343	99.96	F156.6	304.3	F6.671	.0059	F295.5	2.076	.0035
Stddev	.0000	.29	.5	1.1	.052	.0002	4.4	.002	.0003
%RSD	.1402	.2861	.3076	.3511	.7825	3.054	1.478	.0958	7.308
#1	.0343	99.86	157.1	303.3	6.631	.0057	299.9	2.078	.0035
#2	.0342	99.74	156.2	304.1	6.730	.0059	291.2	2.075	.0037
#3	.0343	100.3	156.3	305.4	6.651	.0060	295.3	2.075	.0032
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0018	.0013	28.68	-.0005	.5613	.0058	.0059	.1297	F5.366
Stddev	.0005	.0011	.03	.0000	.0004	.0002	.0009	.0007	.006
%RSD	26.32	79.31	.1123	2.637	.0738	2.820	15.45	.5353	.1207
#1	.0013	.0015	28.71	-.0005	.5616	.0059	.0068	.1304	5.372
#2	.0020	.0002	28.65	-.0005	.5609	.0056	.0060	.1299	5.365
#3	.0022	.0023	28.66	-.0005	.5615	.0058	.0050	.1290	5.359
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2132.7	5978.2	44164.	3873.6					
Stddev	5.4	7.7	192.	38.9					
%RSD	.25444	.12897	.43437	1.0031					
#1	2130.7	5970.2	44265.	3909.9					
#2	2138.8	5978.7	43943.	3878.3					
#3	2128.5	5985.6	44284.	3832.6					

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Sample Name: FA33957-11 Acquired: 5/18/2016 15:08:07 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0171	135.0	.2878	.0027	.0176	F694.6	1.691	.2351	.2150
Stddev	.0002	.3	.0003	.0001	.0001	1.7	.001	.0003	.0006
%RSD	.9492	.2176	.1142	4.615	.5652	.2394	.0793	.1214	.2592
#1	.0173	135.3	.2881	.0028	.0176	693.1	1.691	.2350	.2149
#2	.0171	134.8	.2879	.0026	.0175	694.3	1.689	.2348	.2156
#3	.0170	134.9	.2875	.0027	.0177	696.4	1.692	.2354	.2145
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0255	70.81	F113.6	390.9	F14.01	.0199	F295.0	2.992	.0051
Stddev	.0002	.18	.5	.3	.05	.0002	3.7	.002	.0003
%RSD	.9784	.2532	.4702	.0809	.3740	1.236	1.250	.0675	5.352
#1	.0256	71.02	114.2	390.8	13.97	.0196	297.8	2.994	.0048
#2	.02								

Sample Name: FA33957-12 Acquired: 5/18/2016 15:12:43 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	4.114	3.164	.0033	.0002	276.2	.0361	.2046	.0201
Stddev	.0004	.0111	.0013	.0002	.0001	1.2	.0001	.0002	.0002
%RSD	197.6	2.709	.4047	5.570	73.29	.4364	.2082	.1177	.8665
#1	.0000	.4029	.3177	.0032	.0001	276.3	.0362	.2046	.0203
#2	-.0007	.4240	.3152	.0033	.0001	277.3	.0361	.2049	.0201
#3	.0001	.4074	.3163	.0035	.0003	274.9	.0361	.2044	.0200
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0016	44.06	78.66	481.3	F7.558	.0049	F322.0	2.802	.0022
Stddev	.0002	.22	.54	1.7	.007	.0001	1.6	.003	.0004
%RSD	10.88	.5102	.6871	.3583	.0939	2.270	.4959	.0961	16.74
#1	.0014	44.32	79.28	483.3	7.562	.0048	320.2	2.805	.0018
#2	.0017	43.93	78.37	480.8	7.550	.0048	322.5	2.800	.0022
#3	.0017	43.93	78.32	479.9	7.563	.0050	323.2	2.801	.0025
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0006	.0027	40.47	-.0004	.0591	.0136	.0027	.0063	.4776
Stddev	.0003	.0011	.04	.0002	.0005	.0008	.0001	.0001	.0007
%RSD	47.21	43.09	.0967	45.18	.8048	5.923	4.770	2.001	1.362
#1	-.0008	.0040	40.51	-.0003	.0597	.0134	.0028	.0065	.4782
#2	-.0008	.0018	40.43	-.0002	.0588	.0128	.0025	.0063	.4777
#3	-.0003	.0023	40.47	-.0006	.0589	.0144	.0027	.0062	.4769
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2120.7	5770.7	43065.	3733.4					
Stddev	3.4	4.0	191.	10.1					
%RSD	.16211	.06911	.44465	.27066					
#1	2118.7	5768.9	42895.	3740.6					
#2	2118.7	5768.0	43027.	3737.7					
#3	2124.7	5775.3	43273.	3721.8					

Sample Name: FA33957-14 Acquired: 5/18/2016 15:21:32 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0253	134.1	.1210	.0781	.0158	F631.1	.9927	.0640	.9172
Stddev	.0001	.4	.0013	.0001	.0000	15.8	.0010	.0002	.0026
%RSD	.4297	.2659	1.075	.1756	.2525	2.504	.1012	.3065	.2862
#1	.0252	134.5	.1220	.0782	.0158	634.7	.9936	.0642	.9183
#2	.0255	133.8	.1196	.0781	.0157	613.8	.9916	.0639	.9190
#3	.0253	134.1	.1215	.0779	.0158	644.8	.9928	.0639	.9142
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5657	17.85	F102.9	139.0	F4.653	.0455	F221.9	1.512	.0043
Stddev	.0010	.09	.3	.7	.036	.0002	4.5	.002	.0008
%RSD	.1777	.5167	.3058	.5061	.7819	.4005	2.023	.1490	19.22
#1	.5654	17.82	103.3	139.6	4.623	.0457	224.6	1.514	.0035
#2	.5669	17.78	102.7	138.3	4.693	.0454	216.7	1.509	.0051
#3	.5650	17.96	102.9	139.1	4.642	.0454	224.3	1.513	.0044
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0060	.0249	40.79	-.0007	1.554	.1046	-.0088	3.314	F10.54
Stddev	.0004	.0014	.03	.0000	.002	.0001	.0015	.009	.02
%RSD	6.140	5.563	.0678	3.694	.1468	.1182	16.82	.2611	.1474
#1	.0064	.0233	40.80	-.0008	1.556	.1045	-.0075	3.318	10.55
#2	.0057	.0257	40.76	-.0007	1.553	.1045	-.0084	3.319	10.52
#3	.0060	.0257	40.82	-.0007	1.552	.1047	-.0104	3.304	10.54
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2098.1	6087.3	44847.	3962.6					
Stddev	2.0	7.2	220.	62.1					
%RSD	.09621	.11840	.49051	1.5593					
#1	2098.1	6087.3	44847.	3962.6					
#2	2101.9	6099.4	44714.	4055.9					
#3	2098.8	6086.5	45144.	3938.2					

Sample Name: FA33957-13 Acquired: 5/18/2016 15:17:12 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0008	8.417	.2001	.0060	.0001	73.31	.0028	.0566	.0109
Stddev	.0006	.0086	.0016	.0002	.0001	.15	.0000	.0002	.0002
%RSD	72.85	1.027	.7827	4.070	56.28	.2033	1.114	.3195	1.498
#1	-.0008	.8398	.1988	.0062	.0001	73.41	.0029	.0565	.0111
#2	-.0002	.8512	.1996	.0057	.0002	73.37	.0028	.0565	.0107
#3	-.0014	.8342	.2018	.0060	.0002	73.14	.0029	.0568	.0109
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0093	7.931	20.15	375.9	4.389	.0265	133.9	.3461	.0024
Stddev	.0092	7.943	20.05	376.0	4.412	.0265	139.7	.3471	.0017
%RSD	1.350	.2758	.2790	.2718	.2794	.1111	2.411	.4048	18.63
#1	.0093	7.931	20.15	375.9	4.389	.0265	133.9	.3461	.0024
#2	.0092	7.943	20.05	376.0	4.412	.0265	139.7	.3471	.0017
#3	.0094	7.900	20.05	374.2	4.409	.0265	134.1	.3489	.0023
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)	(In2306)
Avg	.0009	.0024	48.38	-.0003	.0161	.0520	.0020	.0054	.0505
Stddev	.0002	.0009	.21	.0003	.0001	.0017	.0003	.0003	.0003
%RSD	27.75	37.65	.4313	99.82	.6510	3.186	16.53	5.759	.5472
#1	.0011	.0032	48.19	-.0004	.0163	.0538	.0024	.0053	.0503
#2	.0007	.0025	48.34	.0000	.0161	.0506	.0017	.0058	.0504
#3	.0008	.0014	48.60	-.0006	.0161	.0515	.0019	.0052	.0508
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2270.0	6157.6	45668.	3815.1					
Stddev	9.7	27.7	180.	28.4					
%RSD	.42855	.44976	.39342	.74356					
#1	2277.1	6181.4	45512.	3837.4					
#2	2274.0	6164.3	45628.	3783.2					
#3	2258.9	6127.2	45865.	3824.8					

Sample Name: CCV Acquired: 5/18/2016 15:25:57 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2536	41.31	1.995	2.019	2.044	41.72	2.045	2.036	2.081	2.044
Stddev	.0004	.13	.002	.009	.004	.11	.002	.002	.007	.005
%RSD	.1419	.3046	.1138	.4525	.2158	.2562	.0837	.0745	.3241	.2288
#1	2539	41.32	1.998	2.016	2.044	41.72	2.046	2.038	2.083	2.041
#2	2538	41.18	1.995	2.012	2.039	41.62	2.045	2.036	2.087	2.049
#3	2532	41.43	1.993	2.029	2.048	41.83	2.043	2.035	2.074	2.041
Check ?	Chk	PassChk	PassChk	PassChk	PassChk	PassChk	PassChk	PassChk	PassChk	PassChk
Value										
Range										
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	42.47	40.50								

Sample Name: CCV Acquired: 5/18/2016 15:25:57 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2363.1	6132.2	4685.3	3777.2
Stddev	3.5	1.0	436.	12.3
%RSD	.14801	.01658	.93024	.32501
#1	2366.0	6133.2	46706.	3774.1
#2	2364.0	6132.2	46510.	3790.7
#3	2359.2	6131.2	47343.	3766.8

Sample Name: CCB Acquired: 5/18/2016 15:29:52 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	.0057	.0015	.0003	.0002	.0068	.0001	.0002	-.0001
Stddev	.0002	.0017	.0004	.0002	.0001	.0048	.0000	.0001	.0002
%RSD	76.95	29.56	27.81	69.42	33.15	70.14	22.29	51.10	227.6
#1	-.0003	.0047	.0017	.0004	.0002	.0121	.0001	.0002	-.0002
#2	-.0005	.0048	.0017	.0003	.0003	.0055	.0001	.0003	-.0002
#3	.0000	.0077	.0010	.0001	.0002	.0028	.0001	.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0334	.1219	.0147	.0002	F.0024	.0933	.0000	.0001
Stddev	.0002	.0075	.0114	.0173	.0001	.0006	.0064	.0000	.0001
%RSD	192.0	22.46	9.344	117.8	33.93	24.53	6.832	214.3	104.5
#1	-.0004	.0420	.1135	-.0053	.0002	.0031	.0919	.0000	.0000
#2	.0001	.0286	.1174	.0251	.0001	.0022	.0878	.0000	.0002
#3	-.0001	.0295	.1349	.0243	.0001	.0019	.1003	-.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016	.0001	.0063	.0003	.0000	.0018	.0002	.0004	.0001
Stddev	.0008	.0009	.0004	.0001	.0001	.0001	.0007	.0002	.0000
%RSD	49.52	897.7	6.331	47.34	323.2	4.727	384.4	42.11	12.03
#1	.0010	.0009	.0063	.0002	.0000	.0019	.0007	.0007	.0001
#2	.0026	-.0008	.0067	.0003	.0000	.0018	.0005	.0003	.0001
#3	.0013	.0001	.0059	.0004	.0001	.0017	-.0006	.0004	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.1
7

Sample Name: CCB Acquired: 5/18/2016 15:29:52 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2746.2	6441.6	49017.	3764.1
Stddev	7.6	14.2	170.	6.5
%RSD	.27687	.22101	.34645	.17328
#1	2737.5	6425.3	48986.	3764.6
#2	2749.3	6451.7	49200.	3757.4
#3	2751.7	6447.8	48865.	3770.4

Sample Name: FA33957-15 Acquired: 5/18/2016 15:34:02 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0056	372.0	.1188	.0334	.0131	F503.0	.9200	.1043	.0581
Stddev	.0003	3.9	.0005	.0002	.0001	8.3	.0037	.0005	.0005
%RSD	4.580	1.054	.4173	.6851	.4683	1.642	.3980	.4536	.8813
#1	.0056	371.0	.1190	.0336	.0132	510.2	.9158	.1038	.0575
#2	.0059	368.7	.1192	.0334	.0132	504.9	.9218	.1047	.0584
#3	.0054	376.3	.1182	.0332	.0131	494.0	.9224	.1044	.0584

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0463	89.20	F235.4	182.7	F4.811	.0147	F305.5	1.590	.0051
Stddev	.0002	.47	2.1	.9	.038	.0000	3.9	.007	.0005
%RSD	.3591	.5317	.8924	.4995	.7980	.3263	1.270	.4220	9.693
#1	.0463	89.27	236.7	182.6	4.835	.0148	307.2	1.582	.0056
#2	.0464	89.63	236.5	183.7	4.831	.0147	308.2	1.594	.0046
#3	.0461	88.69	232.9	181.9	4.767	.0147	301.0	1.594	.0052

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0006	.0079	27.63	-.0005	.7052	.0429	.0050	.7675	F8.476
Stddev	.0010	.0034	.16	.0004	.0025	.0013	.0006	.0025	.034
%RSD	169.8	42.51	.5962	80.53	.3607	3.000	11.66	.3255	.4030
#1	-.0002	.0071	27.44	-.0007	.7051	.0434	.0057	.7689	8.436
#2	-.0018	.0050	27.69	-.0000	.7078	.0438	.0046	.7690	8.496
#3	.0001	.0116	27.75	-.0008	.7027	.0414	.0048	.7647	8.495

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2111.2	6140.1	44364.	3931.9
Stddev	3.3	14.0	346.	42.1
%RSD	.15827	.22823	.78061	1.0697
#1	2115.0	6155.8	44245.	3964.8
#2	2109.1	6128.8	44093.	3884.5
#3	2109.4	6135.7	44754.	3946.4

Sample Name: FA33957-16 Acquired: 5/18/2016 15:38:38 Type: Unk
Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0004	78.96	.0078	.0909	.0024	370.6	4.360	.1140	.0424
Stddev	.0001	.16	.0003	.0004	.0000	4.3	.0008	.0001	.0003
%RSD	25.50	.1980	3.442	4.717	2.013	1.152	.1784	.0792	.7281
#1	.0003	78.97	.0081	.0908	.0024	368.3	4.356	.1139	.0427
#2	.0005	78.79	.0077	.0913	.0024	368.0	4.356	.1141	.0421
#3	.0003	79.10	.0077	.0905	.0023	375.5	4.369	.1140	.0425
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0480	64.89	69.78	162.3	F4.559	.0021	F194.3	1.026	.0074
Stddev	.0006	.09	.11	.4	.035	.0002	2.5	.001	.0004
%RSD	1.234	.1369	.1559	.2361	.7651	8.304	1.277	.0990	5.898
#1	.0483	64.83	69.90	162.5	4.524	.0020	195.4	1.025	.0069
#2	.0473	64.83	69.70	161.8	4.560	.0023	191.5	1.025	.0076
#3	.0482	64.99	69.72	162.4	4.593	.0020	196.1	1.027	.0076
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0018	.0024	28.44	.0002	4.286	.2953	.0024	.1132	F7.013
Stddev	.0010	.0021	.03	.0002	.0011	.0022	.0009	.0002	.009
%RSD	53.49	86.80	.1186	85.30	.2600	.7548	37.85	.1665	.1346
#1	.0007	.0044	28.45	.0003	.4299	.2952	.0034	.1134	7.006
#2	.0022	.0003	28.40	.0004	.4278	.2931	.0018	.1131	7.009
#3	.0024	.0025	28.46	.0000	.4282	.2976	.0019	.1131	7.024
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2202.8	6389.1	4720.4	4034.8					
Stddev	6.2	9.2	159.	27.0					
%RSD	.28002	.14365	.33703	.66807					
#1	2207.8	6395.8	4725.4	4029.6					
#2	2204.7	6392.8	4733.2	4064.0					
#3	2195.9	6378.6	4702.6	4010.8					

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Sample Name: FA33957-17 Acquired: 5/18/2016 15:43:05 Type: Unk
Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0002	2.713	.0134	.0118	.0003	268.8	.0153	.0143	.0036
Stddev	.0006	.027	.0006	.0003	.0000	3.5	.0001	.0001	.0002
%RSD	315.7	1.011	4.462	2.796	15.34	1.312	.3440	.7684	4.886
#1	.0003	2.718	.0133	.0117	.0003	269.1	.0154	.0144	.0036
#2	.0000	2.684	.0129	.0115	.0003	265.1	.0153	.0142	.0038
#3	-.0008	2.738	.0141	.0122	.0002	272.2	.0153	.0144	.0035
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0049	1.806	11.25	107.3	2.400	.0102	F105.9	.0797	.0004
Stddev	.0005	.016	.07	.3	.004	.0001	.4	.0003	.0004
%RSD	10.01	.8624	.5994	.2770	.1670	.7301	.3626	.4031	87.71
#1	.0044	1.824	11.32	107.6	2.398	.0103	106.2	.0795	.0009
#2	.0054	1.796	11.20	107.0	2.405	.0102	106.0	.0795	.0001
#3	.0050	1.797	11.22	107.2	2.398	.0102	105.4	.0801	.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0015	.0046	28.90	-.0002	.1231	.0883	.0016	.0647	.0583
Stddev	.0011	.0004	.01	.0002	.0005	.0030	.0006	.0003	.0002
%RSD	72.62	8.384	.0450	84.30	.4054	3.445	37.77	.4179	.2647
#1	.0019	.0045	28.90	-.0001	.1237	.0867	.0017	.0646	.0584
#2	.0024	.0043	28.89	-.0004	.1227	.0918	.0020	.0650	.0583
#3	.0003	.0050	28.92	-.0002	.1231	.0864	.0009	.0645	.0581
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2312.6	6036.9	4534.6	3729.7					
Stddev	6.7	11.8	245.	27.0					
%RSD	.29098	.19470	.53989	.72387					
#1	2310.9	6030.2	4560.6	3717.0					
#2	2320.0	6050.4	45120.	3760.7					
#3	2306.9	6030.0	45313.	3711.5					

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7.1
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Sample Name: FA33957-18 Acquired: 5/18/2016 15:47:19 Type: Unk
Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0004	5.634	.0473	.0194	.0004	261.3	.0426	.0445	.0102
Stddev	.0004	.042	.0004	.0003	.0000	7.0	.0002	.0001	.0003
%RSD	108.3	.7431	.8775	1.407	6.985	2.695	.3887	.2697	3.122
#1	-.0006	5.673	.0478	.0196	.0004	266.3	.0428	.0444	.0106
#2	-.0006	5.641	.0471	.0195	.0004	264.3	.0425	.0445	.0099
#3	.0001	5.590	.0471	.0191	.0004	253.2	.0425	.0447	.0103
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0137	1.713	13.92	260.9	F7.362	.0020	F103.7	.4246	.0020
Stddev	.0005	.009	.05	.9	.015	.0001	.5	.0003	.0003
%RSD	3.405	.5465	.3903	.3445	.2063	5.375	5.288	.0601	16.98
#1	.0135	1.723	13.98	261.9	7.356	.0021	104.4	.4249	.0016
#2	.0142	1.714	13.91	260.7	7.351	.0020	103.4	.4244	.0022
#3	.0133	1.704	13.87	260.2	7.379	.0019	103.4	.4246	.0021
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0007	.0025	43.67	-.0004	.1515	.0744	.0041	.0511	.3940
Stddev	.0009	.0002	.05	.0002	.0004	.0033	.0005	.0000	.0005
%RSD	120.3	8.910	.1059	59.00	.2825	4.435	13.37	.0509	.1259
#1	.0017	.0023	43.72	-.0002	.1519	.0782	.0036	.0511	.3945
#2	.0005	.0027	43.66	-.0006	.1510	.0719	.0040	.0511	.3939
#3	.0000	.0026	43.62	-.0003	.1516	.0732	.0047	.0511	.3935
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2266.1	6236.8	4731.3	3951.6					
Stddev	3.8	16.1	151.	45.9					
%RSD	.16565	.25794	.31919	1.1621					
#1	2261.9	6220.7	4727.5	3903.4					
#2	2268.9	6236.8	4748.0	3956.6					
#3	2267.7	6252.9	4718.5	3994.9					

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Sample Name: FA33957-19 Acquired: 5/18/2016 15:51:41 Type: Unk
Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0009	.7224	.0297	.0294	.0003	342.1	.0018	.0108	.0030
Stddev	.0006	.0045	.0007	.0001	.0001	4.6	.0000	.0001	.0002
%RSD	68.77	.6217	2.443	2.708	25.09	1.349	1.280	1.306	6.500
#1	-.0011	.7232	.0292	.0294	.0002	336.8	.0018	.0107	.0031
#2	-.0015	.7264	.0293	.0293	.0002	344.5	.0018	.0107	.0027
#3	-.0002	.7175	.0305	.0295	.0003	345.0	.0018	.0109	.0030
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0049	5.939	22.56	238.7	3.641	.0075	F164.9	.1028	.0011
Stddev	.0001	.0027	.05	.8	.023	.0001	1.0	.0004	.0005
%RSD	2.917	.4563	.2214	.3471	.6285	1.778	.6335	.3617	44.60
#1	.0050	.5921	22.52	237.8	3.633	.0074	165.0	.1024	.0016
#2	.0047	.5926	22.62	238.7	3.623	.0076	165.9	.1029	.0006
#3	.0049	.5970	22.56	239.5	3.667	.0076	163.8	.1032	.0012
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0011	.0056	31.14	-.0005	.3888	.0331	.0015		

Sample Name: FA33957-20 Acquired: 5/18/2016 15:56:13 Type: Unk
Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0006	2.782	1.023	.0043	.0009	238.5	.2077	.2708	.0519
Stddev	.0004	.025	.022	.0002	.0001	2.6	.0014	.0007	.0013
%RSD	58.26	.9141	2.128	4.593	10.16	1.077	.6785	.2604	2.530
#1	.0009	2.812	1.000	.0041	.0008	239.0	.2091	.2705	.0506
#2	.0002	2.769	1.024	.0043	.0010	235.7	.2076	.2702	.0521
#3	.0008	2.767	1.044	.0045	.0009	240.7	.2063	.2715	.0532
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1072	54.38	57.32	F664.1	F4.421	.0332	F237.2	F4.192	.0553
Stddev	.0005	.58	1.35	5.8	.006	.0075	6.0	.044	.0154
%RSD	.4760	1.063	2.360	.8758	.1292	22.49	2.528	1.056	27.87
#1	.1073	55.01	56.00	670.7	4.422	.0257	230.4	4.237	.0394
#2	.1076	54.26	57.27	661.5	4.415	.0332	239.5	4.190	.0562
#3	.1066	53.87	58.70	659.9	4.427	.0407	241.7	4.149	.0702
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0326	.1024	40.99	.0761	.4067	.0053	.0789	.2185	F6.014
Stddev	.0083	.0349	.36	.0228	.0021	.0002	.0251	.0016	.053
%RSD	25.46	34.05	.8764	29.97	.5209	3.083	31.80	.7203	8.744
#1	.0239	.0669	41.36	.0529	.4091	.0054	.0547	.2203	6.062
#2	.0336	.1037	40.96	.0769	.4056	.0054	.0772	.2178	6.023
#3	.0404	.1366	40.64	.0985	.4054	.0051	.1048	.2174	5.958
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1977.8	5536.3	4078.7	3651.0					
Stddev	16.9	28.2	235.	32.1					
%RSD	.85341	.50878	.57613	.87936					
#1	1963.5	5520.5	40975.	3684.4					
#2	1973.6	5519.6	40862.	3648.0					
#3	1996.4	5568.8	40523.	3620.4					

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Sample Name: FA33957-22 Acquired: 5/18/2016 16:00:37 Type: Unk
Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0044	255.0	.0746	.0269	.0079	F566.7	.5103	.1648	.0969
Stddev	.0005	.5	.0003	.0002	.0001	5.2	.0010	.0004	.0010
%RSD	10.72	.2126	.3548	.6825	1.460	.9162	.1971	.2499	1.061
#1	.0049	255.3	.0743	.0271	.0078	569.6	.5100	.1645	.0978
#2	.0040	254.4	.0748	.0267	.0080	569.8	.5096	.1646	.0969
#3	.0042	255.2	.0747	.0270	.0079	560.7	.5115	.1653	.0958
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0303	215.6	F152.3	212.8	F6.913	.0184	F217.8	.8118	.0037
Stddev	.0002	.3	.6	.2	.059	.0002	3.0	.0012	.0004
%RSD	.6155	.1202	.3773	.1001	.8590	1.067	1.397	.1469	9.941
#1	.0301	215.7	152.9	213.1	6.961	.0185	219.9	.8106	.0033
#2	.0304	215.3	151.9	212.7	6.933	.0181	219.1	.8117	.0038
#3	.0304	215.8	151.9	212.7	6.847	.0185	214.3	.8130	.0040
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0027	.0071	36.19	.0001	1.921	.0091	.0050	.6632	3.977
Stddev	.0017	.0007	.09	.0003	.002	.0001	.0008	.0019	.007
%RSD	61.71	9.564	.2354	528.1	.0993	1.015	16.50	.2866	.1705
#1	.0033	.0077	36.10	-.0002	1.922	.0091	.0055	.6647	3.971
#2	.0008	.0073	36.19	.0003	1.919	.0092	.0054	.6639	3.976
#3	.0041	.0064	36.27	.0001	1.922	.0090	.0040	.6611	3.984
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2161.2	5973.9	4350.3	3761.8					
Stddev	5.1	12.9	266.	22.6					
%RSD	.23571	.21573	.61179	.60069					
#1	2160.9	5980.5	43280.	3754.1					
#2	2166.5	5982.1	43433.	3787.3					
#3	2156.3	5959.0	43798.	3744.1					

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Sample Name: DI CHECK Acquired: 5/18/2016 16:05:04 Type: QC
Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	.0546	.0009	.0002	.0000	.1950	.0001	.0001	.0000	-0.0006
Stddev	.0004	.0139	.0002	.0001	.0001	.0104	.0000	.0001	.000	.0003
%RSD	70.71	25.45	19.41	75.59	254.2	5.324	32.27	57.27	156.3	52.38
#1	-0.0005	.0706	.0010	.0001	.0000	.2026	.0001	.0002	.0000	-0.0007
#2	-0.0001	.0453	.0007	.0001	.0001	.1993	.0001	.0001	-0.0001	-0.0002
#3	-0.0009	.0479	.0011	.0003	.0000	.1832	.0000	.0002	.0000	-0.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0195	.2143	.1239	.0012	.0002	.2306	.0000	-.0003	-.0011	-.0015
Stddev	.0063	.0138	.0173	.0002	.0001	.0072	.000	.0002	.0005	.0008
%RSD	32.07	6.462	13.94	20.71	45.25	3.137	130.8	87.15	43.22	51.37
#1	.0251	.2302	.1096	.0014	.0002	.2382	.0000	.0000	-.0008	-.0009
#2	.0207	.2071	.1189	.0011	.0001	.2297	.0000	-.0005	-.0017	-.0023
#3	.0128	.2055	.1431	.0009	.0002	.2239	.0000	-.0003	-.0009	-.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										
Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062			
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm			
Avg	.0095	-.0003	.0004	-.0001	.0015	.0002	.0001			
Stddev	.0023	.0001	.0001	.0001	.0003	.0001	.0002			
%RSD	24.23	44.37	26.80	106.5	22.77	55.93	196.6			
#1	.0118	-.0003	.0005	-.0001	.0018	.0001	.0003			
#2	.0093	-.0001	.0003	-.0000	.0014	.0003	.0000			
#3	.0073	-.0003	.0003	-.0001	.0012	.0002	.0000			
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass			
High Limit										
Low Limit										

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Sample Name: DI CHECK Acquired: 5/18/2016 16:05:04 Type: QC
Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2944.9	6868.6	52017.	3975.3
Stddev	15.0	50.2	145.	1.8
%RSD	.51069	.73044	.27926	.04593
#1	2951.4	6903.8	52086.	3977.4
#2	2955.6	6890.9	51850.	3974.6
#3	2927.7	6811.2	52114.	3973.9

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Sample Name: MP30369-MB1 Acquired: 5/18/2016 16:09:15 Type: QC
Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.005	.0045	-0.001	.0001	.0001	.0194	.0000	.0000	.0002	-0.001
Stddev	.0004	.0136	.0005	.0002	.0000	.0045	.0001	.0001	.0002	.0003
%RSD	77.55	305.0	628.6	428.2	10.73	23.28	248.5	189.2	84.18	268.8
#1	-0.003	-0.072	-0.006	-0.002	.0001	.0142	.0000	.0001	.0004	-0.002
#2	-0.009	.0194	.0000	.0002	.0001	.0222	.0000	.0000	.0000	-0.003
#3	-0.002	.0011	.0003	.0001	.0001	.0218	.0001	.0000	.0003	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0455	.1684	.0153	.0004	.0001	.1774	.0000	-0.0011	.0004	.0006
Stddev	.0101	.0240	.0241	.0000	.0001	.0118	.0001	.0002	.0006	.0006
%RSD	22.24	14.27	157.2	6.903	129.6	6.675	705.8	15.79	137.8	100.5
#1	.0566	.1948	.0154	.0004	.0001	.1884	.0000	-0.0009	.0011	.0000
#2	.0431	.1478	-0.0088	.0004	.0001	.1649	.0000	-0.0010	.0004	.0012
#3	.0368	.1625	.0394	.0004	.0000	.1790	-0.0001	-0.0013	-0.0002	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0168	.0001	.0000	.0001	.0003	.0002	.0004
Stddev	.0006	.0002	.0000	.0001	.0003	.0001	.0001
%RSD	3.274	243.1	419.2	105.3	92.45	70.27	13.19
#1	.0174	-0.001	.0000	.0000	.0006	.0002	.0004
#2	.0167	.0002	.0000	.0002	.0004	.0003	.0005
#3	.0163	.0001	.0000	.0001	.0000	.0001	.0004

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: MP30369-MB1 Acquired: 5/18/2016 16:09:15 Type: QC
Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2768.7	6513.6	5005.0	3846.3
Stddev	7.8	15.2	241.1	29.9
%RSD	.28016	.23409	.48168	.77687
#1	2766.3	6507.4	50189.1	3843.2
#2	2777.4	6531.0	50190.1	3818.1
#3	2762.5	6502.4	49772.1	3877.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0455	.1684	.0153	.0004	.0001	.1774	.0000	-0.0011	.0004	.0006
Stddev	.0101	.0240	.0241	.0000	.0001	.0118	.0001	.0002	.0006	.0006
%RSD	22.24	14.27	157.2	6.903	129.6	6.675	705.8	15.79	137.8	100.5
#1	.0566	.1948	.0154	.0004	.0001	.1884	.0000	-0.0009	.0011	.0000
#2	.0431	.1478	-0.0088	.0004	.0001	.1649	.0000	-0.0010	.0004	.0012
#3	.0368	.1625	.0394	.0004	.0000	.1790	-0.0001	-0.0013	-0.0002	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0168	.0001	.0000	.0001	.0003	.0002	.0004
Stddev	.0006	.0002	.0000	.0001	.0003	.0001	.0001
%RSD	3.274	243.1	419.2	105.3	92.45	70.27	13.19
#1	.0174	-0.001	.0000	.0000	.0006	.0002	.0004
#2	.0167	.0002	.0000	.0002	.0004	.0003	.0005
#3	.0163	.0001	.0000	.0001	.0000	.0001	.0004

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: MP30369-B1 Acquired: 5/18/2016 16:13:27 Type: QC
Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0478	27.39	1.922	2.045	.0526	26.24	.0507	.5047	.2123	.2597
Stddev	.0005	.09	.002	.004	.0002	.09	.0001	.0008	.0008	.0005
%RSD	1.089	.3191	.1247	.1689	.4072	.3473	.2089	.1540	.3686	.1990
#1	.0478	27.49	1.920	2.048	.0528	26.35	.0506	.5038	.2120	.2599
#2	.0473	27.32	1.924	2.045	.0524	26.17	.0508	.5047	.2132	.2591
#3	.0484	27.35	1.923	2.042	.0525	26.22	.0507	.5054	.2117	.2601

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.11	24.97	25.35	.5250	.4745	25.15	.5042	.4949	.4893	1.949
Stddev	.02	.03	.07	.0008	.0011	.07	.0007	.0008	.0012	.005
%RSD	.0830	.1204	.2739	.1550	.2261	.2588	.1440	.1647	.2490	.2601
#1	26.13	24.98	25.35	.5255	.4733	25.22	.5037	.4949	.4880	1.946
#2	26.09	24.99	25.42	.5255	.4748	25.09	.5039	.4942	.4903	1.955
#3	26.09	24.94	25.29	.5241	.4754	25.13	.5051	.4958	.4897	1.947

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0207	.4848	.4908	.4981	2.011	.4778	.5053
Stddev	.0005	.0002	.0008	.0013	.006	.0009	.0008
%RSD	2.618	.0372	.1706	.2529	.2924	.1815	.1564
#1	.0205	.4846	.4917	.4992	2.007	.4775	.5045
#2	.0203	.4849	.4901	.4985	2.008	.4787	.5061
#3	.0213	.4849	.4906	.4967	2.018	.4771	.5054

Check ? None Chk Pass None None Chk Pass Chk Pass Chk Pass
Value Range

Sample Name: MP30369-B1 Acquired: 5/18/2016 16:13:27 Type: QC
Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2531.9	6412.6	48193.1	3808.1
Stddev	3.9	13.5	7.1	7.2
%RSD	.15497	.21066	.01371	.18804
#1	2536.4	6427.1	48192.1	3799.8
#2	2530.0	6400.4	48201.1	3812.2
#3	2529.2	6410.4	48188.1	3812.3

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.11	24.97	25.35	.5250	.4745	25.15	.5042	.4949	.4893	1.949
Stddev	.02	.03	.07	.0008	.0011	.07	.0007	.0008	.0012	.005
%RSD	.0830	.1204	.2739	.1550	.2261	.2588	.1440	.1647	.2490	.2601
#1	26.13	24.98	25.35	.5255	.4733	25.22	.5037	.4949	.4880	1.946
#2	26.09	24.99	25.42	.5255	.4748	25.09	.5039	.4942	.4903	1.955
#3	26.09	24.94	25.29	.5241	.4754	25.13	.5051	.4958	.4897	1.947

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0207	.4848	.4908	.4981	2.011	.4778	.5053
Stddev	.0005	.0002	.0008	.0013	.006	.0009	.0008
%RSD	2.618	.0372	.1706	.2529	.2924	.1815	.1564
#1	.0205	.4846	.4917	.4992	2.007	.4775	.5045
#2	.0203	.4849	.4901	.4985	2.008	.4787	.5061
#3	.0213	.4849	.4906	.4967	2.018	.4771	.5054

Check ? None Chk Pass None None Chk Pass Chk Pass Chk Pass
Value Range

Sample Name: CCV Acquired: 5/18/2016 16:17:24 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2510	41.47	1.959	1.976	2.035	41.87	2.037	2.024	2.105	2.047
Stddev	.0009	.05	.007	.003	.004	.04	.005	.005	.001	.003
%RSD	.3490	.1281	.3621	.1602	.2062	.1017	.2481	.2626	.0589	.1481
#1	2508	41.47	1.956	1.980	2.039	41.84	2.034	2.022	2.107	2.046
#2	2503	41.52	1.954	1.973	2.034	41.92	2.034	2.020	2.104	2.045
#3	2520	41.41	1.967	1.976	2.031	41.86	2.043	2.030	2.105	2.050

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	41.88	40.28	40.92	2.069	2.005	40.81	1.997	2.025	1.971	1.963
Stddev	.09	.06	.04	.001	.011	.10	.004	.005	.007	.007
%RSD	.2180	.1371	.1017	.0405	.5487	.2553	.2052	.2312	.3789	.3397
#1	41.78	40.30	40.87	2.069	1.997	40.93	1.996	2.029	1.967	1.963
#2	41.95	40.32	40.95	2.068	2.002	40.72	1.993	2.019	1.966	1.957
#3	41.92	40.22	40.93	2.070	2.018	40.78	2.001	2.026	1.980	1.971

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.043	1.984	2.058	2.083	2.042	2.039	2.033
Stddev	.007	.005	.004	.002	.002	.002	.004
%RSD	.3479	.2474	.1932	.0792	.0846	.1131	.2224
#1	2.039	1.982	2.062	2.082	2.043	2.037	2.032
#2	2.039	1.981	2.054	2.084	2.040	2.041	2.030
#3	2.051	1.990	2.058	2.085	2.043	2.038	2.039

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 5/18/2016 16:17:24 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2367.5	6177.9	46739.	3770.0
Stddev	3.5	11.8	124.	11.5
%RSD	.14857	.19165	.26532	.30471
#1	2364.0	6182.8	46796.	3782.4
#2	2371.0	6186.5	46824.	3767.9
#3	2367.5	6164.4	46597.	3759.7

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.043	1.984	2.058	2.083	2.042	2.039	2.033
Stddev	.007	.005	.004	.002	.002	.002	.004
%RSD	.3479	.2474	.1932	.0792	.0846	.1131	.2224
#1	2.039	1.982	2.062	2.082	2.043	2.037	2.032
#2	2.039	1.981	2.054	2.084	2.040	2.041	2.030
#3	2.051	1.990	2.058	2.085	2.043	2.038	2.039

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.043	1.984	2.058	2.083	2.042	2.039	2.033
Stddev	.007	.005	.004	.002	.002	.002	.004
%RSD	.3479	.2474	.1932	.0792	.0846	.1131	.2224
#1	2.039	1.982	2.062	2.082	2.043	2.037	2.032
#2	2.039	1.981	2.054	2.084	2.040	2.041	2.030
#3	2.051	1.990	2.058	2.085	2.043	2.038	2.039

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCB Acquired: 5/18/2016 16:21:20 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	.0032	.0016	.0005	.0005	.0147	.0002	.0002	.0004
Stddev	.0003	.0110	.0002	.0000	.0001	.0018	.0000	.0001	.0002
%RSD	51.03	346.2	13.24	8.920	22.61	12.07	24.26	33.74	55.36
#1	-0.003	-.0071	.0016	.0006	.0005	.0155	.0002	.0002	.0006
#2	-0.008	.0018	.0019	.0005	.0006	.0159	.0002	.0002	.0004
#3	-0.005	.0149	.0015	.0005	.0004	.0126	.0001	.0001	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	.0390	.0450	.0120	.0003	F.0027	.0469	.0001	-0.0004
Stddev	.0002	.0041	.0178	.0311	.0001	.0006	.0114	.0001	.0005
%RSD	229.0	10.63	39.45	258.4	20.24	21.98	24.21	122.4	120.8
#1	.0000	.0435	.0631	-.0065	.0004	.0033	.0581	.0002	-.0008
#2	.0001	.0382	.0444	-.0053	.0002	.0027	.0473	.0000	.0001
#3	-.0003	.0353	.0276	.0480	.0003	.0021	.0354	.0000	-.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	.0001	.0023	.0005	.0004	F.0021	.0007	.0006	.0001
Stddev	.0007	.0003	.0001	.0003	.0002	.0002	.0012	.0005	.0000
%RSD	42.35	239.3	3.604	60.37	40.53	8.909	165.9	78.02	34.16
#1	.0019	.0002	.0022	.0005	.0003	.0024	.0017	.0007	.0001
#2	.0023	-.0002	.0024	.0008	.0006	.0020	-.0006	.0010	.0001
#3	.0009	.0004	.0022	.0002	.0003	.0020	.0010	.0001	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/18/2016 16:21:20 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2744.1	6457.6	48819.	3715.2
Stddev	1.9	9.0	188.	43.6
%RSD	.06861	.13871	.38587	1.1735
#1	2746.2	6462.5	48686.	3698.0
#2	2742.7	6463.0	49034.	3682.8
#3	2743.3	6447.2	48736.	3764.7

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	.0001	.0023	.0005	.0004	F.0021	.0007	.0006	.0001
Stddev	.0007	.0003	.0001	.0003	.0002	.0002	.0012	.0005	.0000
%RSD	42.35	239.3	3.604	60.37	40.53	8.909	165.9	78.02	34.16
#1	.0019	.0002	.0022	.0005	.0003	.0024	.0017	.0007	.0001
#2	.0023	-.0002	.0024	.0008	.0006	.0020	-.0006	.0010	.0001
#3	.0009	.0004	.0022	.0002	.0003	.0020	.0010	.0001	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: FA33902-2L Acquired: 5/18/2016 16:25:31 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.010	.0058	.0003	.0034	.0003	231.6	-0.001	.0001	.0105	-0.0005
Stddev	.0005	.0056	.0005	.0001	.0001	1.6	.0001	.0000	.0001	.0003
%RSD	47.48	96.73	151.1	4.218	36.40	6955	61.14	41.49	1.049	63.65
#1	-0.008	-0.006	.0003	.0035	.0003	231.1	-0.001	.0001	.0106	-0.0009
#2	-0.015	.0100	.0008	.0034	.0002	233.4	-0.001	.0002	.0106	-0.0003
#3	-0.006	.0080	-0.0002	.0032	.0003	230.3	-0.002	.0001	.0104	-0.0004
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0114	.0885	.2565	.0001	.0005	.7071	-0.001	.0007	.0012	.0016
Stddev	.0033	.0195	.0337	.0000	.0001	.0042	.0001	.0009	.0009	.0006
%RSD	29.01	22.01	13.15	58.95	23.63	.5941	104.7	131.9	71.70	37.27
#1	.0151	.0719	.2762	.0001	.0007	.7058	-0.001	.0016	.0013	.0021
#2	.0088	.1100	.2757	.0001	.0004	.7036	-0.001	.0001	.0020	.0017
#3	.0102	.0838	.2175	.0000	.0005	.7118	.0000	.0003	.0003	.0010
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	4.867	-0.002	.0443	.0013	.0000	.0063	-0.006			
Stddev	.001	.0001	.0001	.0002	.0009	.0001	.0000			
%RSD	.0196	50.01	.2699	12.35	2319.	.8331	1.184			
#1	4.868	-0.003	.0443	.0013	.0002	.0063	-0.006			
#2	4.867	-0.001	.0442	.0014	.0009	.0062	-0.006			
#3	4.867	-0.003	.0445	.0011	-0.0010	.0063	-0.006			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2488.1	6204.5	46472.	3756.8						
Stddev	4.5	13.1	100.	34.0						
%RSD	.18282	.21180	.21596	.90548						
#1	2486.4	6211.9	46433.	3757.4						
#2	2493.3	6212.3	46396.	3722.5						
#3	2484.7	6189.4	46586.	3790.5						

Sample Name: MP30369-D1 Acquired: 5/18/2016 16:29:48 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.007	.0173	-0.007	.0034	.0001	232.6	-0.001	.0002	.0102	-0.0006
Stddev	.0003	.0136	.0002	.0001	.0000	.6	.0000	.0001	.0001	.0003
%RSD	42.27	78.68	25.49	3.040	30.92	2565	38.14	85.18	1.143	45.01
#1	-0.009	.0016	-0.007	.0033	.0001	232.7	-0.001	.0002	.0102	-0.0003
#2	-0.004	.0255	-0.005	.0033	.0001	233.1	-0.001	.0000	.0103	-0.0009
#3	-0.008	.0249	-0.009	.0035	.0002	231.9	-0.002	.0003	.0101	-0.0006
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0042	.0985	.2506	.0000	.0003	.7174	-0.004	.0001	.0014	.0002
Stddev	.0029	.0037	.0276	.0000	.0002	.0041	.0001	.0003	.0003	.0008
%RSD	69.14	3.765	11.03	72.94	50.54	.5647	33.13	232.3	23.40	445.0
#1	.0076	.0971	.2820	.0000	.0004	.7216	-0.005	-0.001	.0018	.0009
#2	.0026	.1027	.2300	.0000	.0005	.7170	-0.004	.0000	.0011	.0004
#3	.0025	.0956	.2397	.0001	.0001	.7135	-0.002	.0005	.0014	-0.0007
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	4.916	.0001	.0444	.0010	.0006	.0064	-0.006			
Stddev	.003	.0002	.0003	.0001	.0004	.0003	.0000			
%RSD	.0506	319.6	.7444	5.472	66.58	4.069	6.606			
#1	4.913	-0.001	.0441	.0009	.0004	.0067	-0.005			
#2	4.917	.0000	.0447	.0010	.0003	.0062	-0.006			
#3	4.917	.0003	.0443	.0010	.0010	.0064	-0.006			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2493.5	6203.2	46561.	3756.8						
Stddev	6.9	6.3	157.	12.2						
%RSD	.27622	.10084	.33734	.32569						
#1	2488.8	6197.1	46672.	3767.1						
#2	2501.4	6209.6	46630.	3743.3						
#3	2490.4	6203.0	46381.	3760.1						

7.1
7

Sample Name: MP30369-SD1 Acquired: 5/18/2016 16:34:06 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.019	.0246	.0027	.0042	.0006	250.7	-0.001	.0008	.0118	-0.0004
Stddev	.0018	.0191	.0015	.0010	.0001	1.0	.0001	.0002	.0010	.0015
%RSD	93.17	77.50	57.76	23.60	16.69	4.016	74.41	23.29	8.396	332.6
#1	-0.021	.0083	.0009	.0035	.0006	251.6	.0000	.0006	.0110	.0008
#2	-0.036	.0456	.0036	.0053	.0005	249.6	-0.002	.0009	.0129	-0.0020
#3	.0000	.0199	.0035	.0037	.0007	250.8	-0.001	.0008	.0115	-0.0001
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0147	.2070	.4428	.0000	-0.0005	.8073	-0.013	-0.010	.0028	-0.010
Stddev	.0101	.1444	.1010	.0001	.0009	.0048	.0005	.0007	.0065	.0028
%RSD	68.72	69.74	22.81	305.9	175.3	.5987	35.13	70.03	230.8	299.2
#1	.0218	.2675	.5593	.0001	.0004	.8017	-0.011	-0.0005	.0087	-0.0033
#2	.0031	.0423	.3812	.0000	-0.0005	.8107	-0.010	-0.0007	.0039	-0.0018
#3	.0193	.3114	.3878	-0.001	-0.0015	.8094	-0.018	-0.0018	-0.0041	.0022
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	5.193	-0.001	.0470	.0059	.0080	.0067	.0493			
Stddev	.015	.0003	.0004	.0003	.0038	.0009	.0005			
%RSD	.2918	399.5	.9129	5.815	47.59	12.73	1.078			
#1	5.176	-0.004	.0474	.0060	.0080	.0077	.0496			
#2	5.200	.0001	.0466	.0061	.0117	.0065	.0497			
#3	5.204	.0001	.0471	.0055	.0041	.0060	.0487			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2649.8	6386.7	48424.	3759.4						
Stddev	2.7	5.8	85.	20.9						
%RSD	.10090	.09081	.17557	.55643						
#1	2646.7	6380.0	48337.	3747.1						
#2	2651.6	6390.5	48430.	3783.6						
#3	2651.1	6389.6	48506.	3747.5						

Sample Name: MP30369-S1 Acquired: 5/18/2016 16:38:14 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0492	28.12	1.975	2.073	.0537	255.4	.0502	.5002	.2251	.2651
Stddev	.0004	.09	.004	.007	.0002	6.3	.0001	.0003	.0006	.0006
%RSD	8.540	3.103	.1905	.3430	.3974	2.465	.01439	.00609	.02600	.2275
#1	.0489	28.04	1.970	2.066	.0539	254.2	.0502	.5001	.2257	.2656
#2	.0491	28.21	1.977	2.080	.0537	262.2	.0501	.4999	.2250	.2653
#3	.0497	28.10	1.977	2.073	.0535	249.8	.0503	.5005	.2246	.2644
Elem	Fe2599	K_7664	M							

Sample Name: MP30369-S2 Acquired: 5/18/2016 16:42:20 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Avg	.0478	27.45	1.917	2.026	.0524	245.7	.0488	4.870	2.191	2576
Stddev	.0006	.13	.004	.006	.0002	2.6	.0001	.0004	.0007	.0006
%RSD	1.231	.4656	.2304	.3020	.4624	1.044	.1933	.0882	.3354	.2519

#1	.0483	27.36	1.921	2.030	.0525	243.5	.0489	4.873	2.188	2583
#2	.0471	27.60	1.918	2.029	.0526	248.5	.0489	4.871	2.200	2573
#3	.0479	27.39	1.913	2.019	.0521	245.1	.0487	4.865	2.186	2571

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	25.73	25.40	24.68	5.157	4.686	26.46	4.835	4.920	4.858	1.953
Stddev	.13	.07	.10	.0001	.0006	.03	.0008	.0016	.0034	.004
%RSD	.5188	.2651	.4004	.0232	.1384	.0945	.1627	.3189	.6933	.2300

#1	25.78	25.33	24.57	5.158	4.689	26.43	4.844	4.906	4.894	1.953
#2	25.83	25.42	24.74	5.157	4.689	26.48	4.830	4.917	4.852	1.957
#3	25.58	25.46	24.74	5.155	4.678	26.46	4.831	4.937	4.827	1.948

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	4.803	4.662	5.312	4.999	1.973	4.790	4.868
Stddev	.006	.0008	.0013	.0005	.002	.0014	.0005
%RSD	.1257	.1632	.2466	.0999	.0910	.2840	.1014

#1	4.810	4.669	5.313	5.003	1.971	4.804	4.873
#2	4.802	4.654	5.325	4.994	1.974	4.777	4.869
#3	4.798	4.661	5.299	5.000	1.974	4.788	4.863

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2384.1	6248.5	4642.4	3785.0
Stddev	3.4	5.6	258.	28.6
%RSD	.14082	.08939	.55502	.75611

#1	2387.6	6242.8	4644.8	3817.8
#2	2383.6	6248.7	4615.5	3764.7
#3	2381.0	6253.9	4666.8	3772.6

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Sample Name: FA33835-1L Acquired: 5/18/2016 16:46:26 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.007	.0382	.0004	.0070	.0001	69.54	.0000	.0002	.0005
Stddev	.0004	.0154	.0004	.0001	.0000	.44	.0000	.0001	.0002
%RSD	57.89	40.33	103.4	1.967	36.12	.6330	42.13	39.02	45.42

#1	-0.007	.0495	.0004	.0070	.0001	69.96	.0000	.0003	.0002
#2	-0.002	.0207	.0000	.0069	.0001	69.58	.0000	.0001	.0007
#3	-0.010	.0444	.0008	.0072	.0001	69.08	.0001	.0002	.0005

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.001	.0324	.2939	4.311	.0077	.0002	F166.5	.0002	-0.010
Stddev	.0003	.0017	.0413	.026	.0000	.0002	3.6	.0002	.0005
%RSD	634.1	5.261	14.06	.6077	.3869	82.28	2.163	83.20	47.72

#1	.0000	.0344	.2680	4.336	.0077	.0004	170.6	.0004	-0.015
#2	.0002	.0314	.2720	4.314	.0077	.0001	165.2	.0000	-0.009
#3	-0.004	.0316	.3415	4.284	.0077	.0001	163.8	.0002	-0.006

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0007	.0026	.0553	.0000	.1373	.0025	.0008	.0023	.0031
Stddev	.0007	.0015	.0080	.0002	.0002	.0000	.0007	.0002	.0000
%RSD	108.3	57.31	14.47	322.5	.1763	.7098	91.35	10.44	1.194

#1	.0012	.0028	.0644	.0001	.1375	.0025	.0015	.0023	.0031
#2	-0.002	.0010	.0523	-0.001	.1371	.0025	.0008	.0020	.0031
#3	.0010	.0040	.0492	.0002	.1371	.0024	.0001	.0025	.0031

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2413.6	6179.0	4562.1	3747.3
Stddev	4.0	12.7	289.	54.2
%RSD	.16447	.20525	.63300	1.4473

#1	2409.3	6182.5	4590.2	3701.9
#2	2417.1	6189.6	4532.5	3732.6
#3	2414.4	6164.9	4563.4	3807.3

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7.1
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Sample Name: FA33843-1 Acquired: 5/18/2016 16:50:44 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.0006	.0358	.0021	.1198	.0001	3.368	.0007	.0016	.0094
Stddev	.0003	.0119	.0002	.0007	.0001	.008	.0000	.0001	.0001
%RSD	44.54	33.41	8.585	.6185	115.4	.2373	5.603	6.683	1.140

#1	-0.0007	.0481	.0021	.1199	.0000	3.366	.0007	.0017	.0095
#2	-0.0003	.0242	.0019	.1205	.0001	3.376	.0007	.0015	.0093
#3	-0.0008	.0349	.0022	.1190	.0002	3.360	.0008	.0017	.0094

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0011	2.543	.3675	.1266	.2212	.0002	F162.8	.0195	.0200
Stddev	.0006	.024	.0314	.0061	.0002	.0001	.9	.0002	.0006
%RSD	53.97	.9569	8.552	4.853	.0710	35.96	5.330	.9260	2.918

#1	.0006	2.538	.3600	.1226	.2213	.0002	162.9	.0193	.0200
#2	.0009	2.569	.4019	.1337	.2210	.0002	163.6	.0195	.0205
#3	.0017	2.521	.3404	.1235	.2213	.0001	161.9	.0197	.0193

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0008	.0015	.0593	.0001	.0403	.0005	-0.001	.0003	.1444
Stddev	.0005	.0004	.0011	.0001	.0003	.0000	.0002	.0004	.0001
%RSD	61.93	28.75	1.821	227.9	.7316	7.347	151.2	109.7	.1009

#1	.0008	.0014	.0580	.0002	.0404	.0005	-0.001	.0004	.1445
#2	.0003	.0019	.0596	.0001	.0406	.0005	.0001	.0007	.1443
#3	.0013	.0011	.0601	-0.001	.0400	.0005	-0.003	-0.001	.1445

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2462.2	6224.5	4571.4	3716.8
Stddev	7.2	14.0	92.	36.9
%RSD	.29205	.22543	.20216	.99207

#1	2454.2	6210.0	4560.9	3751.3
#2	2468.2	6238.1	4578.2	3677.9
#3	2464.1	6225.3	4575.0	3721.1

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Sample Name: FA33843-2 Acquired: 5/18/2016 16:55:00 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0004	.0906	.0015	.2091	.0001	7.381	.0013	.0027	.0522
Stddev	.0004	.0185	.0005	.0004	.0001	.006	.0000	.0002	.0008
%RSD	86.45	20.44	34.93	.1959	78.40	.0847	1.653	6.175	1.443

#1	.0000	.0753	.0009	.2088	.0000	7.378	.0013	.0025	.0522
#2	-0.0008	.1112	.0016	.2091	.0002	7.388	.0012	.0027	

Sample Name: MP30369-MB2 Acquired: 5/18/2016 16:59:15 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.008	-0.049	.0003	.0002	.0000	.0137	.0000	.0001	-0.001	-0.005
Stddev	.0003	.0069	.0007	.0001	.0001	.0002	.0000	.0002	.0002	.0001
%RSD	34.74	141.4	222.9	87.70	110.2	1.166	102.8	299.0	165.4	14.57
#1	-0.011	.0021	.0011	.0002	.0000	.0138	.0000	-0.001	-0.003	-0.005
#2	-0.006	-0.117	-0.004	.0000	.0001	.0135	.0001	.0002	-0.002	-0.005
#3	-0.007	-0.051	.0003	.0002	.0001	.0137	.0000	.0001	.0001	-0.006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0034	.0702	-0.0030	.0000	.0001	.1249	.0000	.0000	-0.0004	.0006
Stddev	.0028	.0345	.0098	.0000	.0001	.0039	.0000	.0003	.0002	.0009
%RSD	83.22	49.18	323.4	180.1	113.2	3.084	416.4	700.2	45.82	139.5
#1	.0022	.0873	.0024	.0000	.0001	.1217	-0.002	-0.003	-0.007	.0009
#2	.0067	.0305	.0029	.0001	.0000	.1291	.0001	.0002	-0.003	.0014
#3	.0014	.0928	-0.143	.0000	.0001	.1238	-0.001	.0002	-0.003	-0.004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0106	.0003	.0000	.0001	.0001	.0002	.0002
Stddev	.0003	.0002	.0000	.0001	.0010	.0002	.0000
%RSD	3.001	59.30	144.1	54.60	834.2	98.11	23.56
#1	.0104	.0002	.0000	.0001	.0007	.0000	.0002
#2	.0103	.0005	.0001	.0001	.0007	.0002	.0001
#3	.0109	.0002	.0000	.0002	-0.010	.0005	.0002

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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Sample Name: MP30369-MB2 Acquired: 5/18/2016 16:59:15 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2794.3	6590.9	50496.	3878.5
Stddev	2.4	9.9	61.	36.3
%RSD	.08717	.14959	.11997	.93561
#1	2794.7	6583.6	50565.	3908.0
#2	2791.7	6586.9	50473.	3838.0
#3	2796.5	6602.1	50451.	3889.6

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Sample Name: MP30369-B2 Acquired: 5/18/2016 17:03:26 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0478	27.71	1.932	2.062	.0532	26.52	.0508	.5068	.2139	.2612
Stddev	.0003	.06	.003	.010	.0003	.05	.0001	.0005	.0008	.0005
%RSD	.7124	.2200	.1299	.4942	.4890	.1745	.2015	.0916	.3568	.1924
#1	.0476	27.65	1.929	2.051	.0531	26.50	.0508	.5069	.2137	.2617
#2	.0482	27.73	1.934	2.064	.0530	26.49	.0507	.5063	.2148	.2607
#3	.0477	27.76	1.932	2.072	.0535	26.58	.0509	.5072	.2134	.2613

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.51	25.30	25.57	.5277	.4795	25.57	.5062	.4963	.4901	1.975
Stddev	.13	.11	.10	.0020	.0010	.06	.0005	.0000	.0014	.004
%RSD	.4777	.4391	.3991	.3868	.2008	.2470	.1068	.0043	.2882	.1994
#1	26.36	25.19	25.46	.5259	.4789	25.54	.5056	.4963	.4900	1.971
#2	26.61	25.31	25.59	.5299	.4790	25.53	.5062	.4963	.4888	1.976
#3	26.54	25.41	25.67	.5272	.4806	25.64	.5067	.4963	.4916	1.979

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0170	.4876	.4957	.5033	2.012	.4805	.5072
Stddev	.0005	.0002	.0021	.0019	.001	.0009	.0007
%RSD	2.765	.0495	.4309	.3825	.0321	.1863	.1344
#1	.0166	.4873	.4937	.5024	2.012	.4798	.5070
#2	.0167	.4877	.4954	.5056	2.012	.4815	.5067
#3	.0175	.4877	.4979	.5020	2.011	.4803	.5080

Check ? None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: MP30369-B2 Acquired: 5/18/2016 17:03:26 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2518.9	6370.4	47844.	3780.2
Stddev	3.9	9.0	258.	5.4
%RSD	.15419	.14057	.53968	.14168
#1	2515.0	6362.2	48103.	3786.3
#2	2519.0	6379.9	47586.	3777.5
#3	2522.7	6369.0	47842.	3776.7

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Sample Name: CCV Acquired: 5/18/2016 17:07:24 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2494	41.09	1.951	1.976	2.024	41.57	2.018	2.008	2.081	2.027
Stddev	.0011	.24	.005	.011	.011	.20	.005	.005	.006	.004
%RSD	.4424	.5778	.2653	.5424	.5331	.4886	.2401	.2645	.2829	.2045
#1	2482	40.96	1.947	1.968	2.013	41.41	2.015	2.005	2.077	2.025
#2	2502	40.94	1.949	1.972	2.025	41.50	2.016	2.005	2.087	2.032
#3	2499	41.36	1.957	1.988	2.034	41.80	2.024	2.014	2.078	2.024

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	41.75	40.29	40.83	2.053	1.993	40.76	1.984	2.004	1.962	1.958
Stddev	.16	.20	.16	.006	.009	.19	.005	.006	.007	.006
%RSD	.3859	.4950	.3821	.3128	.4523	.4691	.2446	.3233	.3636	.2920
#1	41.61	40.23	40.69	2.046	1.985	40.64	1.982	1.997	1.958	1.956
#2	41.72	40.14	40.79	2.059	1.990	40.66	1.981	2.005	1.958	1.953
#3	41.92	40.52	41.00	2.055	2.003	40.98	1.990	2.010	1.971	1.964

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.030	1.975	2.049	2.067	2.023	2.025	2.015
Stddev	.005	.004	.010	.007	.008	.005	.004
%RSD	.2732	.2262	.4968	.3545	.3857	.2396	.1772
#1	2.031	1.971	2.041	2.059	2.018	2.024	2.011
#2	2.024	1.974	2.046	2.073	2.019	2.030	2.015
#3	2.035	1.980	2.060	2.070	2.032	2.020	2.018

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 5/18/2016 17:07:24 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2397.5	6247.7	4724.2	3786.4
Stddev	6.8	13.0	233.	17.9
%RSD	.28511	.20741	.49335	.47254
#1	2405.1	6261.7	4742.6	3768.8
#2	2395.6	6245.3	4698.0	3804.6
#3	2391.9	6236.2	4732.0	3785.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	41.75	40.29	40.83	2.053	1.993	40.76	1.984	2.004	1.962	1.958
Stddev	.16	.20	.16	.006	.009	.19	.005	.006	.007	.006
%RSD	.3859	.4950	.3821	.3128	.4523	.4691	.2446	.3233	.3636	.2920
#1	41.61	40.23	40.69	2.046	1.985	40.64	1.982	1.997	1.958	1.956
#2	41.72	40.14	40.79	2.059	1.990	40.66	1.981	2.005	1.958	1.953
#3	41.92	40.52	41.00	2.055	2.003	40.98	1.990	2.010	1.971	1.964

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.030	1.975	2.049	2.067	2.023	2.025	2.015
Stddev	.005	.004	.010	.007	.008	.005	.004
%RSD	.2732	.2262	.4968	.3545	.3857	.2396	.1772
#1	2.031	1.971	2.041	2.059	2.018	2.024	2.011
#2	2.024	1.974	2.046	2.073	2.019	2.030	2.015
#3	2.035	1.980	2.060	2.070	2.032	2.020	2.018

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 5/18/2016 17:11:19 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	.0087	.0015	.0006	.0005	.0102	.0002	.0003	.0002
Stddev	.0001	.0102	.0001	.0003	.0001	.0031	.0000	.0001	.0001
%RSD	26.22	116.6	8.684	47.08	30.78	30.66	25.48	38.90	60.78
#1	-0.004	.0017	.0015	.0008	.0006	.0112	.0002	.0003	.0002
#2	-0.003	.0204	.0014	.0006	.0004	.0128	.0002	.0004	.0004
#3	-0.004	.0041	.0017	.0003	.0004	.0067	.0001	.0002	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0374	.0377	.0247	.0003	F .0026	.0267	.0001	.0001
Stddev	.0002	.0067	.0162	.0195	.0000	.0005	.0066	.0001	.0003
%RSD	225.8	17.84	43.12	78.97	16.72	20.01	24.72	77.77	218.6
#1	.0003	.0443	.0190	.0298	.0004	.0032	.0193	.0002	.0004
#2	.0001	.0368	.0457	.0032	.0003	.0025	.0321	.0001	-.0002
#3	-.0001	.0310	.0483	.0412	.0003	.0022	.0288	.0000	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0027	.0012	.0011	.0003	.0004	F .0023	F .0021	.0006	.0001
Stddev	.0013	.0012	.0006	.0000	.0000	.0002	.0006	.0002	.0001
%RSD	48.92	103.7	53.48	14.63	3.888	7.625	29.10	34.07	108.6
#1	.0039	.0014	.0017	.0003	.0004	.0025	.0022	.0004	.0003
#2	.0029	.0023	.0012	.0004	.0004	.0022	.0026	.0007	.0001
#3	.0013	-.0001	.0005	.0003	.0004	.0022	.0014	.0006	.0000

Check ? Chk Fail Chk Pass None Chk Pass Chk Pass Chk Fail Chk Fail Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/18/2016 17:11:19 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2738.9	6417.6	49251.	3781.7
Stddev	4.1	12.1	158.	21.6
%RSD	.14935	.18787	.32180	.57084
#1	2740.4	6431.4	49393.	3806.1
#2	2741.9	6409.6	49080.	3774.1
#3	2734.2	6411.8	49280.	3765.1

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0374	.0377	.0247	.0003	F .0026	.0267	.0001	.0001
Stddev	.0002	.0067	.0162	.0195	.0000	.0005	.0066	.0001	.0003
%RSD	225.8	17.84	43.12	78.97	16.72	20.01	24.72	77.77	218.6
#1	.0003	.0443	.0190	.0298	.0004	.0032	.0193	.0002	.0004
#2	.0001	.0368	.0457	.0032	.0003	.0025	.0321	.0001	-.0002
#3	-.0001	.0310	.0483	.0412	.0003	.0022	.0288	.0000	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0027	.0012	.0011	.0003	.0004	F .0023	F .0021	.0006	.0001
Stddev	.0013	.0012	.0006	.0000	.0000	.0002	.0006	.0002	.0001
%RSD	48.92	103.7	53.48	14.63	3.888	7.625	29.10	34.07	108.6
#1	.0039	.0014	.0017	.0003	.0004	.0025	.0022	.0004	.0003
#2	.0029	.0023	.0012	.0004	.0004	.0022	.0026	.0007	.0001
#3	.0013	-.0001	.0005	.0003	.0004	.0022	.0014	.0006	.0000

Check ? Chk Fail Chk Pass None Chk Pass Chk Pass Chk Fail Chk Fail Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30369-MB3 Acquired: 5/18/2016 17:15:30 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	-0.026	-0.001	.003	.001	.0118	.0000	.0000	.005
Stddev	.0004	.0031	.0002	.0001	.0001	.0038	.0000	.0002	.0001
%RSD	132.1	119.1	485.5	24.54	51.34	32.51	107.6	2051.	15.96
#1	-0.005	-0.047	.0000	.0003	.0000	.0157	.0000	.0001	.0005
#2	.0002	.0010	.0002	.0003	.0001	.0119	.0000	-.0002	.0005
#3	-.0005	-.0041	-.0003	.0002	.0001	.0080	.0001	.0001	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0117	.1334	.0018	.0001	.0006	F153.3	.0000	-.0001
Stddev	.0001	.0033	.0151	.0253	.0000	.0001	.9	.0001	.0003
%RSD	1002.	27.90	11.35	1423.	47.64	14.12	.6099	1126.	279.9
#1	.0000	.0079	.1227	-.0240	.0001	.0007	152.2	-.0001	-.0001
#2	-.0001	.0132	.1508	.0027	.0001	.0005	153.6	.0000	.0002
#3	.0001	.0139	.1269	.0266	.0000	.0006	154.0	.0000	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							2.500		
Low Limit							-2.500		

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0012	.0111	.0003	.0000	.0008	-.0003	.0003	.0003
Stddev	.0004	.0006	.0003	.0001	.0000	.0001	.0007	.0002	.0000
%RSD	64.84	51.72	2.939	35.34	837.1	13.64	264.1	56.58	10.16
#1	.0004	.0015	.0110	.0004	.0000	.0009	.0004	.0002	.0003
#2	.0011	.0005	.0114	.0002	.0000	.0008	-.0001	.0004	.0004
#3	.0004	.0017	.0108	.0003	.0000	.0007	-.0011	.0001	.0003
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: MP30369-MB3 Acquired: 5/18/2016 17:15:30 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2468.7	6181.1	46410.	3800.8
Stddev	6.4	11.9	227.	31.7
%RSD	.26007	.19304	.48924	.83291
#1	2461.7	6167.3	46594.	3836.8
#2	2474.3	6188.1	46479.	3777.2
#3	2470.2	6187.9	46156.	3788.5

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7.1
7

Sample Name: MP30369-B3 Acquired: 5/18/2016 17:19:50 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0487	27.09	1.989	2.056	.0525	25.92	.0506	.5001	.2099
Stddev	.0004	.03	.006	.003	.0003	.06	.0002	.0021	.0004
%RSD	.8268	.0965	.2840	.1544	.5432	.2135	.3964	.4104	.1885
#1	.0487	27.11	1.995	2.053	.0527	25.98	.0509	.5024	.2102
#2	.0491	27.09	1.987	2.059	.0525	25.89	.0505	.4985	.2100
#3	.0483	27.06	1.984	2.057	.0522	25.88	.0506	.4995	.2094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2569	26.11	25.34	25.31	.5219	.4778	F172.5	.5060	.4969
Stddev	.0000	.07	.02	.06	.0009	.0013	1.0	.0020	.0014
%RSD	.0188	.2772	.0864	.2396	.1778	.2646	.5651	.3966	.2916
#1	.2569	26.02	25.35	25.38	.5230	.4790	173.1	.5083	.4982
#2	.2570	26.15	25.36	25.27	.5213	.4765	173.1	.5043	.4953
#3	.2569	26.15	25.32	25.29	.5214	.4779	171.4	.5056	.4972
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value Range							25.00		
							20.00%		

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4968	2.033	.0161	.4917	.4881	.4966	1.971	.4828	.5124
Stddev	.0016	.008	.0002	.0025	.0003	.0004	.009	.0008	.0022
%RSD	.3164	.3794	1.018	.5165	.0590	.0903	.4300	.1586	.4251
#1	.4975	2.042	.0159	.4945	.4879	.4971	1.980	.4831	.5148
#2	.4950	2.028	.0162	.4895	.4884	.4964	1.963	.4833	.5106
#3	.4978	2.029	.0161	.4912	.4881	.4963	1.972	.4819	.5118
Check ?	Chk Pass	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: MP30369-B3 Acquired: 5/18/2016 17:19:50 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2391.3	6161.4	46395.	3799.8
Stddev	9.3	23.8	155.	12.7
%RSD	.38955	.38666	.33394	.33321
#1	2381.7	6134.6	46218.	3796.7
#2	2400.3	6180.1	46461.	3813.8
#3	2391.9	6169.6	46506.	3789.0

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Sample Name: CRIA Acquired: 5/18/2016 17:23:56 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0082	.2254	.0106	.2163	.0055	1.113	.0053	.0534	.0107	.0263
Stddev	.0002	.0253	.0002	.0139	.0002	.073	.0000	.0002	.0002	.0004
%RSD	2.163	11.24	1.428	6.432	2.767	6.589	.7644	.2839	1.780	1.491

#1	.0081	.2545	.0108	.2324	.0056	1.197	.0053	.0533	.0106	.0261
#2	.0081	.2081	.0105	.2087	.0054	1.065	.0053	.0533	.0109	.0261
#3	.0084	.2136	.0106	.2079	.0053	1.076	.0054	.0536	.0107	.0268

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.3468	10.61	5.545	.0163	.0490	10.69	.0427	.0040	.0056	.0104
Stddev	.0292	.64	.383	.0001	.0000	.68	.0002	.0004	.0008	.0016
%RSD	8.416	6.034	6.905	.3353	.1008	6.365	.4679	8.968	15.11	15.48

#1	.3804	11.35	5.985	.0164	.0491	11.47	.0427	.0036	.0046	.0107
#2	.3327	10.23	5.296	.0163	.0491	10.30	.0430	.0041	.0062	.0118
#3	.3274	10.26	5.352	.0164	.0490	10.28	.0426	.0043	.0058	.0086

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0518	.0521	.0106	.0106	.0118	.0488	.0216
Stddev	.0005	.0004	.0008	.0001	.0005	.0001	.0001
%RSD	1.037	.7200	7.216	1.110	4.347	.2017	.3652

#1	.0517	.0521	.0115	.0107	.0116	.0488	.0216
#2	.0513	.0525	.0103	.0105	.0124	.0487	.0216
#3	.0523	.0518	.0101	.0107	.0114	.0489	.0215

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2669.3	6423.6	49133.	3707.0
Stddev	10.5	15.9	148.	204.0
%RSD	.39499	.24818	.30055	5.5031

#1	2657.8	6407.6	49183.	3471.6
#2	2671.7	6423.7	49249.	3817.3
#3	2678.5	6439.4	48966.	3832.0

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Sample Name: ICSA Acquired: 5/18/2016 17:27:59 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.0006	F510.2	.0022	.0008	.0002	485.0	-0.0003	-0.0001
Stddev	.0005	2.5	.0023	.0000	.0001	1.4	.0001	.0001
%RSD	78.48	.4879	104.1	5.843	26.81	.2854	24.52	131.0

#1	-0.0010	512.9	.0027	.0008	.0002	486.6	-0.0003	.0000
#2	-0.0007	508.1	.0043	.0007	.0002	484.2	-0.0004	-0.0001
#3	-0.0001	509.5	-0.0003	.0008	.0003	484.2	-0.0002	-0.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.0010	-0.0006	183.1	.2408	F514.1	.0004	.0007	.3565
Stddev	.0003	.0005	1.1	.0056	1.4	.0001	.0003	.0137
%RSD	30.13	72.20	.5883	2.306	.2664	22.50	39.18	3.843

#1	.0014	-0.0005	183.3	.2455	513.8	.0005	.0011	.3598
#2	.0008	-0.0003	184.0	.2424	515.6	.0003	.0007	.3682
#3	.0010	-0.0012	181.9	.2347	513.0	.0003	.0005	.3415

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.0004	F-.0059	.0023	-0.0012	.0156	.0004	.0004	.0003
Stddev	.0001	.0015	.0004	.0028	.0007	.0002	.0001	.0001
%RSD	28.77	24.65	17.08	230.8	4.594	58.62	18.44	17.98

#1	.0003	-0.0062	.0025	.0015	.0164	.0002	.0003	.0003
#2	.0004	-0.0072	.0024	-0.0041	.0152	.0006	.0005	.0003
#3	.0006	-0.0043	.0018	-0.0010	.0151	.0004	.0003	.0004

Elem	Ti1908	V_2924	Zn2062
IS Ref	(In2306)	(Y_3600)	(Y_2243)
Avg	.0024	.0006	-0.0013
Stddev	.0010	.0003	.0001
%RSD	43.46	47.27	3.956

#1	.0017	.0007	-0.0013
#2	.0020	.0003	-0.0014
#3	.0036	.0009	-0.0013

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Sample Name: ICSA Acquired: 5/18/2016 17:27:59 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2136.1	5663.5	42135.	3627.5
Stddev	2.8	11.1	86.	8.8
%RSD	.13258	.19636	.20514	.24185

#1	2134.1	5655.4	42036.	3635.8
#2	2139.3	5676.2	42169.	3618.3
#3	2134.7	5658.9	42199.	3628.4

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Sample Name: IC SAB Acquired: 5/18/2016 17:32:17 Type: Unk
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F1.007	485.4	1.094	.5278	.5075	479.6	.9819	.4900	.5307
Stddev	.001	5.4	.004	.0023	.0011	4.8	.0004	.0006	.0029
%RSD	.1025	1.117	.3677	.4349	.2179	.9989	.0405	.1280	.5474

#1	1.006	484.3	1.091	.5257	.5063	474.4	.9815	.4905	.5285
#2	1.008	480.7	1.093	.5273	.5080	480.7	.9818	.4893	.5297
#3	1.007	491.3	1.099	.5303	.5083	483.8	.9823	.4902	.5340

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5484	183.9	.2038	F505.3	.5236	.9319	.2600	.9845	.9786
Stddev	.0005	1.0	.0227	1.9	.0016	.0010	.0023	.0002	.0017
%RSD	.0921	.5622	11.15	.3740	.3119	.1043	.8904	.0213	.1771

#1	.5483	182.8	.2296	503.3	.5218	.9320	.2574	.9847	.9806
#2	.5480	184.1	.1954	507.0	.5240	.9309	.2618	.9843	.9777
#3	.5490	184.8	.1865	505.7	.5250	.9328	.2609	.9845	.9775

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.022	1.026	.0709	.9238	.9991	1.011	.9714	.4788	.9831
Stddev	.002	.002	.0007	.0010	.0032	.003	.0033	.0012	.0011
%RSD	.1711	.1711	.9639	.1092	.3211	.2995	.3368	.2530	.1127

#1	1.024	1.025	.0701	.9236	.9956	1.008	.9739	.4775	.9822
#2	1.021	1.026	.0714	.9229	.9999	1.012	.9677	.4791	.9826
#3	1.022	1.028	.0711	.9249	1.002	1.014	.9727	.4798	.9843

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2139.4	5712.2	42841.	3689.0
Stddev	2.6	8.2	367.	25.8
%RSD	.12127	.14322	.85718	.69998

#1	2138.8	5721.2	43234.	3704.8
#2	2142.3	5710.2	42781.	3659.2
#3	2137.2	5705.2	42507.	3703.1

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Sample Name: CCV Acquired: 5/18/2016 17:36:31 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2486	40.38	1.978	1.981	1.995	40.91	2.025	2.015	2.039	2.005
Stddev	.0010	.14	.002	.007	.007	.15	.006	.005	.004	.005
%RSD	3867	3406	.0859	3503	3622	3773	.2922	.2541	.2056	.2282
#1	2475	40.24	1.976	1.973	1.988	40.81	2.020	2.010	2.035	2.000
#2	2493	40.52	1.979	1.984	2.002	41.09	2.023	2.013	2.043	2.007
#3	2490	40.36	1.978	1.986	1.996	40.83	2.031	2.020	2.041	2.009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	41.49	40.14	40.61	2.043	2.003	40.40	2.007	2.004	1.980	1.979
Stddev	.27	.11	.22	.004	.007	.09	.004	.006	.002	.003
%RSD	6506	2719	5423	.2082	.3420	2230	.1843	.2995	.0761	.1418
#1	41.22	40.01	40.37	2.039	1.997	40.34	2.005	2.000	1.978	1.983
#2	41.76	40.22	40.80	2.047	2.002	40.50	2.004	2.002	1.979	1.978
#3	41.48	40.17	40.66	2.045	2.011	40.36	2.011	2.011	1.981	1.978

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.053	2.013	2.022	2.048	2.018	2.023	2.026
Stddev	.003	.003	.005	.004	.007	.003	.006
%RSD	.1621	.1646	.2613	.2160	.3646	.1253	.3171
#1	2.050	2.012	2.016	2.043	2.012	2.020	2.021
#2	2.053	2.011	2.027	2.050	2.015	2.025	2.024
#3	2.056	2.017	2.023	2.052	2.026	2.024	2.033

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 5/18/2016 17:40:26 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0006	.0186	.0018	.0006	.0005	.0223	.0002	.0003	.0002
Stddev	.0002	.0039	.0008	.0001	.0001	.0024	.0000	.0001	.0001
%RSD	36.71	20.76	42.90	12.12	24.63	10.76	15.38	49.38	45.08
#1	-0.0007	.0192	.0026	.0006	.0006	.0246	.0002	.0005	.0001
#2	-0.0007	.0144	.0015	.0006	.0005	.0224	.0002	.0002	.0003
#3	-0.0003	.0221	.0012	.0005	.0004	.0198	.0002	.0002	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	F.0513	.0418	.0141	.0003	F.0026	-.0078	.0001	-.0006
Stddev	.0001	.0060	.0187	.0198	.0001	.0006	.0072	.0001	.0000
%RSD	1734.	11.72	44.76	139.8	19.97	24.11	91.82	62.85	4.280
#1	.0001	.0566	.0634	-.0046	.0004	.0033	-.0008	.0002	-.0006
#2	.0001	.0526	.0314	.0122	.0003	.0027	-.0075	.0001	-.0005
#3	-.0002	.0448	.0305	.0348	.0003	.0020	-.0151	.0001	-.0006

Check ? Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F.0023	.0004	.0012	.0005	.0004	.0019	.0011	.0005	.0001
Stddev	.0009	.0008	.0002	.0001	.0001	.0002	.0003	.0003	.0000
%RSD	40.44	180.7	19.24	20.09	33.39	9.008	23.54	61.88	22.29
#1	.0034	.0006	.0014	.0005	.0006	.0019	.0014	.0008	.0002
#2	.0018	.0012	.0013	.0006	.0004	.0020	.0009	.0002	.0001
#3	.0018	-.0004	.0010	.0004	.0003	.0017	.0010	.0006	.0001

Check ? Chk Fail Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCV Acquired: 5/18/2016 17:36:31 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2380.7	6167.8	4755.8	3774.0
Stddev	10.1	20.9	49.	40.2
%RSD	.42329	.33914	.10376	1.0651
#1	2388.8	6184.9	4761.4	3802.6
#2	2383.8	6173.9	4752.3	3728.0
#3	2369.4	6144.4	4753.7	3791.2

Sample Name: CCB Acquired: 5/18/2016 17:40:26 Type: QC
 Method: 60102007_041712(v128) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2741.7	6425.1	4906.1	3778.0
Stddev	8.1	16.7	108.	29.0
%RSD	.29458	.25981	.22014	.76711
#1	2735.6	6416.3	4902.6	3760.1
#2	2750.9	6444.4	4918.2	3762.4
#3	2738.7	6414.7	4897.5	3811.4

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	3	V	-0.009834	0.000000	No
			Fe	-0.000001	0.000000	No
			Mg	0.000002	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.035224	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	5	Fe	-0.000101	0.000000	No
			Cr	-0.000226	0.000000	No
			Mo	-0.000017	0.000000	No
			Al	0.000004	0.000000	No
			Ca	0.000002	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000004	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000115	0.000000	No
			Ti	-0.000059	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000088	0.000000	No
			Ca	0.000001	0.000000	No
			Al	-0.000001	0.000000	No
			Ti	0.000151	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.003012	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	3	Fe	-0.000001	0.000000	No
			Al	0.000005	0.000000	No
			Fe	-0.000018	0.000000	No
			Ca	0.000002	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Fe	-0.000184	0.000000	No
			Ca	0.000002	0.000000	No
			Mo	0.000528	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Ti	-0.000251	0.000000	No
			Al	0.000004	0.000000	No
			Mg	0.000002	0.000000	No
			Co	-0.000787	0.000000	No
			Cd	0.000240	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}*	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000007	0.000000	No
			Mg	0.000001	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000017	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000058	0.000000	No
			Co	-0.000054	0.000000	No
			Mo	0.000005	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000269	0.000000	No
			Ti	0.000440	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	9	Al	0.000294	0.000000	No
			Fe	-0.000008	0.000000	No
			Mo	-0.001012	0.000000	No
			Cu	0.001070	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000071	0.000000	No
			Ca	-0.000001	0.000000	No
			Cr	0.000050	0.000000	No
			Mg	0.000004	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?			
Sb 206.833 {463}	<input checked="" type="checkbox"/>	10	Fe	-0.000002	0.000000	No			
			Cr	0.012140	0.000000	No			
			Mo	-0.004076	0.000000	No			
			V	-0.000611	0.000000	No			
			Sn	-0.010736	0.000000	No			
			Ti	0.000040	0.000000	No			
			Ca	-0.000001	0.000000	No			
			Ni	-0.000438	0.000000	No			
			Mg	-0.000002	0.000000	No			
			Al	0.000003	0.000000	No			
Se 196.090 {472}	<input checked="" type="checkbox"/>	10	Fe	0.000010	0.000000	No			
			Ca	-0.000001	0.000000	No			
			Mn	0.000574	0.000000	No			
			Mo	0.000111	0.000000	No			
			Al	-0.000015	0.000000	No			
			V	0.000000	0.000000	No			
			Zn	0.000000	0.000000	No			
			Sr	0.000137	0.000000	No			
			As	-0.000032	0.000000	No			
			Be	0.000212	0.000000	No			
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.019120	0.000000	No			
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None							
Sr 407.771 { 83}	<input checked="" type="checkbox"/>	1	Ca	0.000017	0.000000	No			
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000007	0.000000	No			
Ti 190.856 {477}	<input checked="" type="checkbox"/>	11	Co	0.001145	0.000000	No			
			Fe	0.000004	0.000000	No			
			Al	-0.000011	0.000000	No			
			Ba	-0.000051	0.000000	No			
			Ti	-0.002651	0.000000	No			
			Sb	0.000012	0.000000	No			
			Ca	0.000003	0.000000	No			
			Cr	0.000230	0.000000	No			
			Mg	-0.000003	0.000000	No			
			Mn	0.000818	0.000000	No			
			V	-0.038621	0.000000	No			
			V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000008	0.000000	No
						Cr	-0.002590	0.000000	No
						Mo	-0.005797	0.000000	No
						Ti	0.000364	0.000000	No
Mn	-0.000693	0.000000				No			
Y 224.306 {450}* Y 360.073 { 94}* Y 371.030 { 91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5							
			Cr	-0.000965	0.000000	No			
			Al	0.000005	0.000000	No			
			Ca	0.000003	0.000000	No			
			Fe	0.000006	0.000000	No			
			As	0.001128	0.000000	No			

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	5/18/2016 10:31:26	5/18/2016 9:54:54	Linear	1/Conc	-0.001550	0.615586	0.000000	1.000000
Al 396.152 { 85}	5/18/2016 10:31:26	5/18/2016 9:54:54	Linear	1/Conc	-0.000398	0.193003	0.000000	1.000000
As 189.042 {478}	5/18/2016 10:31:26	5/18/2016 9:54:54	Linear	1/Conc	-0.000006	0.254433	0.000000	1.000000
Ba 455.403 { 74}	5/18/2016 10:31:26	5/18/2016 9:54:54	Linear	1/Conc	0.026055	15.631034	0.000000	1.000000
Be 313.042 {108}	5/18/2016 10:31:26	5/18/2016 9:54:54	Linear	1/Conc	0.004350	8.884737	0.000000	1.000000
Ca 317.933 {106}	5/18/2016 10:31:26	5/18/2016 9:54:54	Linear	1/Conc	0.011383	0.281712	0.000000	1.000000
Cd 226.502 {449}	5/18/2016 10:31:26	5/18/2016 9:54:54	Linear	1/Conc	0.000557	5.713502	0.000000	1.000000
Co 228.616 {447}	5/18/2016 10:31:26	5/18/2016 9:54:54	Linear	1/Conc	0.000764	2.692148	0.000000	1.000000
Cr 267.716 {126}	5/18/2016 10:31:26	5/18/2016 9:54:54	Linear	1/Conc	0.000216	0.460725	0.000000	1.000000
Cu 324.754 {104}	5/18/2016 10:31:26	5/18/2016 9:54:54	Linear	1/Conc	0.004019	0.714735	0.000000	1.000000
Fe 259.940 {130}	5/18/2016 10:31:26	5/18/2016 9:54:54	Linear	1/Conc	0.004054	0.173005	0.000000	1.000000
In 230.606 {446}	5/18/2016 10:31:26	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	5/18/2016 10:31:26	5/18/2016 9:54:54	Linear	1/Conc	-0.012290	0.175651	0.000000	1.000000
Mg 279.079 {121}	5/18/2016 10:31:26	5/18/2016 9:54:54	Linear	1/Conc	-0.000290	0.027384	0.000000	1.000000
Mn 257.610 {131}	5/18/2016 10:31:26	5/18/2016 9:54:54	Linear	1/Conc	0.001426	3.080524	0.000000	1.000000
Mo 202.030 {467}	5/18/2016 10:31:26	5/18/2016 9:54:54	Linear	1/Conc	0.002558	1.468550	0.000000	1.000000
Na 589.592 { 57}	5/18/2016 10:31:26	5/18/2016 9:54:54	Linear	1/Conc	0.002042	0.490570	0.000000	1.000000
Ni 231.604 {445}	5/18/2016 10:31:26	5/18/2016 9:54:54	Linear	1/Conc	0.000709	1.751049	0.000000	1.000000
Pb 220.353 {453}	5/18/2016 10:31:26	5/18/2016 9:54:54	Linear	1/Conc	-0.001300	1.362682	0.000000	1.000000
Sb 206.833 {463}	5/18/2016 10:31:26	5/18/2016 9:54:54	Linear	1/Conc	0.001244	0.275990	0.000000	1.000000
Se 196.090 {472}	5/18/2016 10:31:26	5/18/2016 9:54:54	Linear	1/Conc	0.000116	0.178003	0.000000	1.000000
Si 212.412 {459}	5/18/2016 10:31:26	5/18/2016 9:54:54	Linear	1/Conc	0.005749	0.447038	0.000000	1.000000
Sn 189.989 {477}	5/18/2016 10:31:26	5/18/2016 9:54:54	Linear	1/Conc	0.000350	0.583742	0.000000	1.000000
Sr 407.771 { 83}	5/18/2016 10:31:26	5/18/2016 9:54:54	Linear	1/Conc	0.013875	20.512547	0.000000	1.000000
Ti 334.941 {101}	5/18/2016 10:31:26	5/18/2016 9:54:54	Linear	1/Conc	0.002472	2.007620	0.000000	1.000000
Tl 190.856 {477}	5/18/2016 10:31:26	5/18/2016 9:54:54	Linear	1/Conc	-0.003339	0.631048	0.000000	1.000000
V 292.402 {115}	5/18/2016 10:31:26	5/18/2016 9:54:54	Linear	1/Conc	0.000051	0.718216	0.000000	1.000000
Y 224.306 {450}	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	5/18/2016 10:31:26	5/18/2016 9:54:54	Linear	1/Conc	0.003137	3.653206	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999893	0.000083	0.000418	0.001393	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999735	0.007169	0.011109	0.037032	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999860	0.000342	0.000656	0.002188	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999904	0.017483	0.000198	0.000660	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999913	0.009422	0.000090	0.000299	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999852	0.007797	0.003435	0.011451	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999978	0.003086	0.000045	0.000149	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999974	0.001570	0.000102	0.000341	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999904	0.000514	0.000315	0.001051	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999872	0.000919	0.000302	0.001008	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999859	0.004677	0.002775	0.009249	OK	1.000000	0.000000	1	0
In 230.606 {446}	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999735	0.006509	0.025329	0.084430	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999944	0.000469	0.021577	0.071922	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999999	0.000275	0.000043	0.000145	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999965	0.000989	0.000120	0.000399	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999792	0.016118	0.008960	0.029866	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999985	0.000762	0.000157	0.000525	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999659	0.002884	0.000468	0.001559	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999861	0.000369	0.000978	0.003261	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999922	0.000180	0.001438	0.004792	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.999877	0.000575	0.000428	0.001427	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999928	0.000563	0.000240	0.000798	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999998	0.003331	0.000089	0.000296	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999986	0.000869	0.000116	0.000388	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999888	0.000729	0.000633	0.002112	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999982	0.000347	0.000263	0.000875	OK	1.000000	0.000000	1	0
Y 224.306 {450}	0.000000	0.000000	-1.000000	1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}	0.000000	0.000000	-1.000000	1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}	0.000000	0.000000	-1.000000	1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999976	0.002030	0.000051	0.000172	OK	1.000000	0.000000	1	0

Sg
dry sieve

Accutest Laboratories SE Metals Digestion Log Soil

MP #: 30366

Method of Digestion: SW846-3050B

Prep Date/Time (mm/dd/yy 24:00): 5/18/16 7:59 Spk. Sol. ^A Volume Used(ml) Pipette #
 HotBlock I.D. 0974CECW3279 ACC 938 *0.50^{1.00} 10
 Thermometer I.D. 213 ACC 924 *0.25^{0.50} 10
 Correction Factor (°C) -1 Met 5377 *0.25^{0.50} 10
 Temperature Observed/Corrected (°C) 96.95 Filter Lot#: 160217041
 Balance I.D. ADVPro3 Dig. Tube Lot# 1509104
 Added ^B: H₂O₂ HNO₃ HCL PTFE Boiling Chips
 Lot# 157487 1115120 4115100 5071-0A030

Sample #	Wt., g	Final Volume(ml)	Comments
Method Blank(MB)	5.00	100.0	
Spike Blank(SB)	5.00		
Matrix Spike(MS)	5.37		
Matrix Spike Dup(MSD)	5.07		
Duplicate(DUP)	5.08		
1 QC ^C FA32306-32R ^{D1}	5.30		
2 D2 - ↓	5.12	↓	
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21 ^E			
22 ^E			
23 ^E			
24 ^E			

Analyst: D. Ben Date: 5/18/16
 QC Review: [Signature] Date: 5.18.16'

A Used for SB, MS, MSD
 B For reagent volumes used consult SOP MET 104, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional Matrix QC

icpsoidigestionlog012010.xls

Rev 01/20/10 DM

7.2.1
7

SGS ACCUTEST IS PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.



e-Hardcopy 2.0
Automated Report

Technical Report for

Kemron Environmental Services, Inc

Ft Ord; CA

07202.2001

SGS Accutest Job Number: FA32306RR

Sampling Date: 03/14/16

Report to:

Kemron Environmental Services, Inc

EDawson@GilbaneCo.com

ATTN: Evenlyn Dawson

Total number of pages in report: 94



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Sue Bell 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), IL(200063), NC(573), NJ(FL002), NY(12022), SC(96038001)
DoD ELAP(L-A-B L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177),
AK, AR, GA, IA, KY, MA, NV, OK, OR, UT, WA

This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.
Test results relate only to samples analyzed.



January 20, 2017

Ms. Peggy Cota
Gilbane
3333 S Wadsworth Blvd
Suite 220
Lakewood, CO 80227

RE: SGS Accutest job FA32306RR Reissue

Dear Ms. Cota

The final report for job number FA32306R has been edited to reflect requested corrections. These edits have been incorporated into the revised report.

The sample reporting limits have been revised.

SGS Accutest apologies for any inconvenience this may have caused. Please feel free to contact us if we can be of further assistance.

Sincerely,

SGS Accutest - Orlando

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Sample Summary

Kemron Environmental Services, Inc

Job No: FA32306RR

Ft Ord; CA

Project No: 07202.2001

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
FA32306-33R	03/14/16	14:40	KLTR 03/16/16	SO	Soil	33-01SC0002

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE



Client: Kemron Environmental Services, Inc

Job No: FA32306RR

Site: Ft Ord; CA

Report Date: 1/9/2017 5:46:53 PM

1 Sample(s) were collected on 03/14/2016 and were received at SGS Accutest Southeast (SASE) on 03/16/2016 properly preserved, at 12 Deg. C and intact. These Samples received an SASE job number of FA32306RR. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix: SO

Batch ID: MP31429

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA38934-2RDUP, FA38934-2RMS, FA38934-2RMSD, FA38934-2RPS, FA38934-2RSDL were used as the QC samples for metals.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Kim Benham, Client Services (signature on file)

Date: January 9, 2017

Monday, January 09, 2017

Page 1 of 1

Summary of Hits

Job Number: FA32306RR
Account: Kemron Environmental Services, Inc
Project: Ft Ord; CA
Collected: 03/14/16



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
---------------	------------------	-----------------	-----	-----	-------	--------

FA32306-33RR 33-01SC0002

Lead		6.2	1.9	0.38	mg/kg	SW846 6010C
------	--	-----	-----	------	-------	-------------

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: 33-01SC0002	Date Sampled: 03/14/16
Lab Sample ID: FA32306-33RR	Date Received: 03/16/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.1
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	6.2	1.9	0.38	0.095	mg/kg	5	01/04/17	01/06/17 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13715

(2) Prep QC Batch: MP31429

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Misc. Forms**5****Custody Documents and Other Forms**

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

KL-031416-01
COC # 1-8
FA32306



Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Analytical Test Method SW8330B - Explosives SW6010C - Lead SW8330B - Explosives by ISM SW6010C - Lead by ISM	Code Matrix		
		<table border="1"> <tr><td>SO</td><td>SOIL</td></tr> <tr><td>WQ</td><td>WATER QUALITY CONTROL MATRIX</td></tr> </table>	SO	SOIL
SO	SOIL			
WQ	WATER QUALITY CONTROL MATRIX			
Equipment:		Code Container/Preservative		
		2 2" 1L amber, 4 degrees C		
		1 1" 1.0-1.5 kilogram bag		
		13 1" 250ml poly, with HNO3		

Event ID: Basewide Range Assessment Spring 2016											
Sample ID	Matrix	Date	Time	Samp Init.	2	13	1	1	Location ID	Sample Type	Depth (ft bgs) Top - Bottom
1 16-16SC0000	SO	03/14/16	0900	KL				X	10-16	NL	0.0 0.5
2 10-16 SC0001			0910					X	10-16		1.0 1.5 HOLD
3 10-16 SC0002			0925					X	10-16		2.0 2.5 HOLD
4 10-04 SC0000			0945					X	10-04		0.0 0.5
5 10-04 SC0001			1000					X	10-04		1.0 1.5 HOLD
6 10-04 SC0002			1010					X	10-04		2.0 2.5 HOLD
7 10-03 SC0000			1045					X	10-03		0.0 0.5
8 10-03 SC0001			1055					X	10-03		1.0 1.5 HOLD
9 10-03 SC0002			1114					X	10-03		2.0 2.5 HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
KL Wong	3/15/16	1630	Fed Ex	3/15/16	1630	15MAR16 / FedEx / 8088 5917 3534
Jerry Ruben	3/15/16	1630	Fed Ex	3/15/16	1630	
				3/16/16	9:25	
Received by Laboratory: (Signature, Date, Time) & condition						③ 12.0 12.1 12.0

ENV COC Record July 06, 2015

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FA32306RR: Chain of Custody
Page 1 of 10

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # KL-031416-02
FA32306



Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method	SW8330B - Explosives	SW6010C - Lead	SW8330B - Explosives by ISM	SW6010C - Lead by ISM	Code	Matrix
							SO	SOIL
							WQ	WATER QUALITY CONTROL MATRIX
							Code	Container/Preservative
							2	2" 1L amber, 4 degrees C
							1	1" 1.0-1.5 kilogram bag
							13	1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016												
Sample ID	Matrix	Date	Time	Samp Init.	2	13	1	1	Location ID	Sample Type	Depth (ft bgs)	
											Top	Bottom
10-15 SC 0000	So	03/14/16	1250	KL					10-15	N1	0.0	0.5
10-15 SC 0000 Q			1250						10-15	FD	0.0	0.5
10-15 SC 0001			1310						10-15	N1	1.0	1.5
10-15 SC 0001 Q			1310						10-15	FD	1.0	1.5
10-15 SC 0002			1340						10-15	N1	2.0	2.5
10-15 SC 0002 Q			1340						10-15	FD	2.0	2.5
10-23 SC 0000			0830	TR					10-23	N1	0.0	0.5
10-23 SC 0001			0845						10-23	N1	1.0	1.5
10-23 SC 0002			0900						10-23	N1	2.0	2.5

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
Kaleon	3/15/16	1630	Fed Ex	3/15/16	1630	15MAR16 (FedEx) 8088 5917 3534
Jessica Rula	3/15/16	1630	Fed Ex	3/15/16	1630	
			SLJC	3/16/16	9:15	Received by Laboratory: (Signature, Date, Time) & condition

ENV COC Record
July 06, 2015

5.1
5

CHAIN-OF-CUSTODY RECORD

Gilbane
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3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

16L-031416-03
COC # 1-8
FA32306



Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method	SW8330B - Explosives	SW8610C - Lead	SW8330B - Explosives by ISM	SW8610C - Lead by ISM	Code	Matrix
							SO	SOIL
							Code	Container/Preservative
							2	2" 1L amber, 4 degrees C
							1	1" 1.0-1.5 kilogram bag
							13	1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016										
Sample ID	Matrix	Date	Time	Samp Init.				Location ID	Sample Type	Depth (ft bgs) Top - Bottom
191 10-26 SC0000	So	03/14/16	0930	TR			X	10-26	N1	0.0 0.5
202 10-26 SC0001			0945				X	10-26		1.0 1.5 Hold
213 10-26 SC0002			1000				X	10-26		2.0 2.5 Hold
224 10-20 SC0000			1050				X	10-20		0.0 0.5
235 10-20 SC0001			1100				X	10-20		1.0 1.5 Hold
246 10-20 SC0002			1105				X	10-20		2.0 2.5 Hold
257 10-07 SC0000			1125				X	10-07		0.0 0.5
268 10-07 SC0001			1132				X	10-07		1.0 1.5 Hold
279 10-07 SC0002			1145				X	10-07		2.0 2.5 Hold

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>Kaleoni</i>	3/15/16	1630	<i>FedEx</i>	3/15/16	1630	15MAR16 / FedEx / BOB5 5917 3534
<i>Jenara Ruka</i>	3/15/16	1630	<i>FedEx</i>	3/15/16	1630	
			<i>[Signature]</i>	3/15/16	9:15	

5.1
5

CHAIN-OF-CUSTODY RECORD

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(303) 269-9724 EMiddleditch@GilbaneCo.com

KL-031416-04
COC # 1-8



FA32306

Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method	SW6330B - Explosives	SW6010C - Lead	SW6330B - Explosives by ISM	SW6010C - Lead by ISM	Code	Matrix
							SO	SOIL
							Code	Container/Preservative
							2	2" 1L amber, 4 degrees C
							1	1" 1.0-1.5 kilogram bag
							13	1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016

Sample ID	Matrix	Date	Time	Samp Init.	SW6330B - Explosives	SW6010C - Lead	SW6330B - Explosives by ISM	SW6010C - Lead by ISM	Location ID	Sample Type	Depth (ft bgs)		
											Top	Bottom	
1 33-10 SC0000	SO	03/14/16	1335	TR					33-10	NI	0.0	0.5	
2 33-10 SC0001			1345						33-10		1.0	1.5	HOLD
3 33-10 SC0002			1355						33-10		2.0	2.5	HOLD
4 33-01 SC0000			1412						33-01		0.0	0.5	
5 33-01 SC0001			1420						33-01		1.0	1.5	HOLD
6 33-01 SC0002			1440						33-01		2.0	2.5	HOLD
7 33-11 SC0000			1505						33-11		0.0	0.5	
8 33-11 SC0001			1520						33-11		1.0	1.5	HOLD
9 33-11 SC0002			1535						33-11		2.0	2.5	HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>K. Leonard</i>	3/15/16	1630	<i>FedEx</i>	3/15/16	1630	15MAR16 / FedEx / 8088 5917 3536
<i>Jenea Raba</i>	3/15/16	1630	<i>[Signature]</i>	3/16/16	9:15	Received by Laboratory: (Signature, Date, Time) & condition

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CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd, Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # KL-031416-05

FA32306



Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Analytical Test Method	Code	Matrix
		SO	SOIL
Equipment:	SW8330B - Explosives	Code	Container/Preservative
		WQ	WATER QUALITY CONTROL MATRIX
	SW6010C - Lead	2	2" 1L amber, 4 degrees C
	SW8330B - Explosives by ISM	1	1" 1.0-1.5 kilogram bag
	SW6010C - Lead by ISM	13	1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016									
Sample ID	Matrix	Date	Time	Samp Init.			Location ID	Sample Type	Depth (ft bgs) Top - Bottom
1	WQ	03/14/16	1630	TR	X		FIELD QC	EB	NA NA
2									
3									
4									
5									
6									
7									
8									
9									

Cooler #	Turnaround Time: 14 Days					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>VR Leonard</i>	3/15/16	1630	<i>FedEx</i>	3/15/16	1630	15MAR16/FedEx/8080 5417 3534
<i>Tamm Rubin</i>	3/15/16	1630	<i>[Signature]</i>	3/14/16	9:15	Received by Laboratory: (Signature, Date, Time) & condition

ENV COC Record
July 06, 2015

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FA32306RR: Chain of Custody
Page 5 of 10



ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F132306 CLIENT: Gilbane PROJECT: Fort Ord
 DATE/TIME RECEIVED: 3/16/16 9:15 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 3
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER DELIVERY OTHER: _____
 AIRBILL NUMBERS: 8088 8917 8466

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM _____ 5-GRAM _____
 NUMBER OF 5035 FIELD KITS ? _____
 NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- IR THERM ID 1 CORR. FACTOR 10.2
- OBSERVED TEMPS: _____
- CORRECTED TEMPS: _____ (USED FOR LIMS)

SAMPLE INFORMATION

- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- % SOLIDS JAR NOT RECEIVED
- RESIDUAL CHLORINE PRESENT LOT# _____

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

TEST STRIP LOT#s pH 0-3 204413A pH 10-12 219813A OTHER (specify) _____

SUMMARY OF COMMENTS: Received with no ice

TECHNICIAN SIGNATURE/DATE: [Signature] 3/16/16 REVIEWER SIGNATURE/DATE: [Signature] 3/16/16
 NF 11/15 receipt confirmation 111015.xls

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3 of 5
MPS# 7826 0316 8666
Metri# 8088 8917 3534
WED - 16 MAR 10:30A
PRIORITY OVERNIGHT
0215
32811
FL-US MCO

universal
www.myuniversalop.com
phone: 1-888-758-4676
UNV12113
MADE IN USA

FA32306RR: Chain of Custody
Page 7 of 10

Job Change Order: FA32306

Requested Date:	12/13/2016	Received Date:	3/16/2016
Account Name:	Kemron Environmental Services, I	Due Date:	4/26/2016
Project Description:	Ft Ord; CA	Deliverable:	FULT1
CSR:	sueb	TAT (Days):	14

Sample #:	FA32306-33	Change:	Please have the lab prep and analyze sample for ISM lead
Dept:			
TAT:	14		
	33-01SC0002		

FA32306RR: Chain of Custody

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Above Changes Per:

Date/Time: 12/13/2016 11:25:55 AM

To Client: This Change Order is confirmation of the revisions, previously discussed with the SGS Accutest Client Service Representative.

Page 1 of 1

QC Evaluation: DOD QSM5 Limits

Job Number: FA32306RR
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 03/14/16

QC Sample ID	CAS#	Analyte	Sample Result Type	Result Type	Result	Units	Limits
MP31429	SW846 6010C						
MP31429-B1	7439-92-1	Lead	BSP	REC	99	%	81-112
MP31429-S1*	7439-92-1	Lead	MS	REC	113 ^a	%	81-112
MP31429-S2*	7439-92-1	Lead	MSD	REC	89.4	%	81-112
MP31429-S2*	7439-92-1	Lead	MSD	RPD	11.2	%	20
MP31429-D1*	7439-92-1	Lead	DUP	RPD	5.7	%	20
MP31429-D2*	7439-92-1	Lead	DUP	RPD	5.7	%	20

(a) Spike recovery indicates possible matrix interference and/or sample non-homogeneity.

* Sample used for QC is not from job FA32306RR

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Metals Analysis

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QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32306RR
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA010617M1.ICP Date Analyzed: 01/06/17 Methods: SW846 6010C
Analyst: LM Run ID: MA13715
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:01	MA13715-STD1	1		STDA
08:05	MA13715-STD2	1		STDB
08:08	MA13715-STD3	1		STDC
08:12	MA13715-STD4	1		STDD
08:16	MA13715-HSTD1	1		
08:25	MA13715-ICV1	1		
08:34	MA13715-ICB1	1		
08:38	MA13715-CR1A1	1		
08:44	MA13715-ICSA1	1		
08:50	MA13715-ICSAB1	1		
09:00	MA13715-CCV1	1		
09:10	MA13715-CCB1	1		
09:16	MP31429-MB1	5		
09:21	MP31429-B1	5		
09:32	FA38934-2R	5		(sample used for QC only; not part of login FA32306RR)
09:37	MP31429-D1	5		
09:41	MP31429-SD1	25		
09:46	MP31429-PS1	5		
09:50	MP31429-S1	5		
09:54	MP31429-S2	5		
09:59	ZZZZZZ	5		
10:03	ZZZZZZ	5		
10:07	MA13715-CCV2	1		
10:11	MA13715-CCB2	1		
10:16	ZZZZZZ	5		
10:20	ZZZZZZ	5		
10:25	ZZZZZZ	5		
10:29	ZZZZZZ	5		
10:33	ZZZZZZ	5		
10:38	ZZZZZZ	5		
10:42	FA32306-33RR	5		
10:47	MP31429-D2	5		
----->	Last reportable sample/prep for job FA32306RR			
10:56	ZZZZZZ	4		

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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32306RR
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA010617M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 01/06/17
Run ID: MA13715
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:00	MA13715-CCV3	1		
11:05	MA13715-CCB3	1		
11:09	ZZZZZZ	5		
11:14	MP31439-MB1	1		
11:18	MP31439-B1	1		
11:23	MP31439-B2	1		
11:27	ZZZZZZ	1		
11:31	MP31440-MB1	1		
11:36	MP31440-B1	1		
11:40	FA39951-5	1		(sample used for QC only; not part of login FA32306RR)
11:44	MP31440-D1	1		
11:49	MP31440-SD1	5		
11:53	MA13715-CCV4	1		
11:58	MA13715-CCB4	1		
12:02	MP31440-PS1	1		
12:06	MP31440-S1	1		
12:11	MP31440-S2	1		
12:15	ZZZZZZ	1		
12:19	ZZZZZZ	1		
12:24	ZZZZZZ	1		
12:28	ZZZZZZ	1		
12:33	ZZZZZZ	1		
12:37	ZZZZZZ	1		
12:42	ZZZZZZ	1		
12:47	MA13715-CCV5	1		
12:51	MA13715-CCB5	1		
13:23	MA13715-ICV2	1		
13:29	MA13715-CCV6	1		
13:35	MA13715-CCB6	1		
13:45	ZZZZZZ	1		
13:49	ZZZZZZ	1		
13:54	ZZZZZZ	1		
13:58	ZZZZZZ	1		

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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32306RR
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA010617M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 01/06/17
Run ID: MA13715
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:03	ZZZZZZ	1		
14:07	ZZZZZZ	1		
14:12	ZZZZZZ	1		
14:16	ZZZZZZ	1		
14:21	ZZZZZZ	1		
14:25	MA13715-CCV7	1		
14:29	MA13715-CCB7	1		
14:34	MA13715-CCV8	1		
14:40	MA13715-CCB8	1		
14:44	ZZZZZZ	1		
14:49	ZZZZZZ	1		
14:53	MP31440-MB2A	1		
14:58	MP31440-MB1	1		
15:02	MP31446-B1	1		
15:07	FA39978-3	1		(sample used for QC only; not part of login FA32306RR)
15:11	MP31446-D1	1		
15:16	MP31446-SD1	5		
15:21	MP31446-S1	1		
15:25	MP31446-S2	1		
15:29	MA13715-CCV9	1		
15:33	MA13715-CCB9	1		
15:38	ZZZZZZ	1		
15:43	ZZZZZZ	1		
15:47	ZZZZZZ	1		
15:52	ZZZZZZ	1		
15:56	MP31446-MB2	1		
16:01	MP31446-B2	1		
16:05	MP31446-MB3	1		
16:10	MP31446-B3	1		
16:14	MP31446-MB4	1		
16:19	MP31446-B4	1		
16:23	MA13715-CCV10	1		
16:27	MA13715-CCB10	1		

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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32306RR
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA010617M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 01/06/17
Run ID: MA13715
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:12	MA13715-CCV11	1		
19:16	MA13715-CCB11	1		
19:49	MA13715-CRIA2	1		
19:53	MA13715-ICSA2	1		
19:58	MA13715-ICSAB2	1		
20:02	MA13715-CCV12	1		
20:07	MA13715-CCB12	1		

-----> Last reportable CCB for job FA32306RR
Refer to raw data for calibration curve and standards.

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INTERNAL STANDARD SUMMARY

Login Number: FA32306RR
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA010617M1.ICP Date Analyzed: 01/06/17 Methods: SW846 6010C
 Analyst: LM Run ID: MA13715
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:01	MA13715-STD1	4415	34905	7681	1966
08:05	MA13715-STD2	4389	34995	7724	1930
08:08	MA13715-STD3	4268	34474	7669	1823
08:12	MA13715-STD4	4195	33993	7517	1734
08:16	MA13715-HSTD1	4160	33787	7470	1721
08:25	MA13715-ICV1	4218	34372	7623	1812
08:34	MA13715-ICB1	4472 R	35399 R	7642 R	1988 R
08:38	MA13715-CRIA1	4444	35572	7748	1986
08:44	MA13715-ICSA1	3928	32135	7207	1609
08:50	MA13715-ICSAB1	3960	32030	7130	1594
09:00	MA13715-CCV1	4215	34060	7531	1804
09:10	MA13715-CCB1	4421	34812	7602	1971
09:16	MP31429-MB1	4366	34573	7615	1951
09:21	MP31429-B1	4384	34656	7455	1935
09:32	FA38934-2R	4396	34633	7547	1916
09:37	MP31429-D1	4431	34823	7495	1932
09:41	MP31429-SD1	4510	35479	7640	1982
09:46	MP31429-PS1	4421	34669	7534	1913
09:50	MP31429-S1	4428	34529	7461	1910
09:54	MP31429-S2	4476	35005	7499	1926
09:59	ZZZZZZ	4465	34714	7505	1918
10:03	ZZZZZZ	4474	34853	7546	1940
10:07	MA13715-CCV2	4368	34538	7395	1842
10:11	MA13715-CCB2	4515	35241	7572	1994
10:16	ZZZZZZ	4465	34831	7478	1925
10:20	ZZZZZZ	4494	34729	7462	1928
10:25	ZZZZZZ	4530	34783	7362	1937
10:29	ZZZZZZ	4504	34679	7404	1927
10:33	ZZZZZZ	4457	34702	7392	1918
10:38	ZZZZZZ	4482	34785	7453	1923
10:42	FA32306-33RR	4515	34812	7367	1939
10:47	MP31429-D2	4478	34791	7373	1928
10:56	ZZZZZZ	4232	33923	7221	1839

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INTERNAL STANDARD SUMMARY

Login Number: FA32306RR
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA010617M1.ICP Date Analyzed: 01/06/17 Methods: SW846 6010C
 Analyst: LM Run ID: MA13715
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:00	MA13715-CCV3	4349	34259	7288	1825
11:05	MA13715-CCB3	4484	35024	7467	1976
11:09	ZZZZZZ	4294	34511	7365	1775
11:14	MP31439-MB1	4431	34311	7311	1933
11:18	MP31439-B1	4250	33404	7041	1809
11:23	MP31439-B2	4226	33400	7077	1808
11:27	ZZZZZZ	4471	35290	7554	1982
11:31	MP31440-MB1	4451	34469	7328	1936
11:36	MP31440-B1	4271	33924	7123	1823
11:40	FA39951-5	4275	33983	7298	1876
11:44	MP31440-D1	4280	33997	7292	1874
11:49	MP31440-SD1	4506	35205	7380	1971
11:53	MA13715-CCV4	4384	34618	7268	1836
11:58	MA13715-CCB4	4539	35443	7480	1980
12:02	MP31440-PS1	4328	34054	7259	1868
12:06	MP31440-S1	4228	33299	7062	1781
12:11	MP31440-S2	4182	33138	7058	1763
12:15	ZZZZZZ	4342	33952	7151	1860
12:19	ZZZZZZ	4267	33510	7063	1854
12:24	ZZZZZZ	4146	32957	7008	1735
12:28	ZZZZZZ	4313	34053	7137	1883
12:33	ZZZZZZ	4310	33824	7040	1886
12:37	ZZZZZZ	4136	33039	6899	1764
12:42	ZZZZZZ	4150	33210	6966	1791
12:47	MA13715-CCV5	4399	34403	7213	1826
12:51	MA13715-CCB5	4551	34949	7262	1962
13:23	MA13715-ICV2	4390	34142	7107	1815
13:29	MA13715-CCV6	4402	34161	7054	1819
13:35	MA13715-CCB6	4547	35103	7290	1971
13:45	ZZZZZZ	4278	33515	6927	1853
13:49	ZZZZZZ	4296	33484	6962	1862
13:54	ZZZZZZ	4400	34201	7101	1906
13:58	ZZZZZZ	4399	34232	7019	1897

INTERNAL STANDARD SUMMARY

Login Number: FA32306RR
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA010617M1.ICP Date Analyzed: 01/06/17 Methods: SW846 6010C
 Analyst: LM Run ID: MA13715
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:03	ZZZZZZ	4414	34073	6999	1902
14:07	ZZZZZZ	4270	33518	6909	1843
14:12	ZZZZZZ	4285	33578	6862	1846
14:16	ZZZZZZ	4262	33496	6884	1826
14:21	ZZZZZZ	4283	33543	6842	1833
14:25	MA13715-CCV7	4367	33679	6843	1789
14:29	MA13715-CCB7	4595	35348	7207	1977
14:34	MA13715-CCV8	4460	34516	7102	1836
14:40	MA13715-CCB8	4600	35074	7089	1968
14:44	ZZZZZZ	4328	33818	6904	1853
14:49	ZZZZZZ	4312	33597	6830	1845
14:53	MP31440-MB2A	4424	34064	6994	1905
14:58	MP31440-MB1	4492	34244	7042	1924
15:02	MP31446-B1	4443	34159	6962	1849
15:07	FA39978-3	4373	34236	7007	1852
15:11	MP31446-D1	4386	34445	7128	1860
15:16	MP31446-SD1	4580	35262	7158	1961
15:21	MP31446-S1	4297	33720	6886	1765
15:25	MP31446-S2	4310	33948	6956	1775
15:29	MA13715-CCV9	4446	34206	6908	1818
15:33	MA13715-CCB9	4565	34830	6977	1952
15:38	ZZZZZZ	4408	34381	7023	1866
15:43	ZZZZZZ	4312	34027	6982	1829
15:47	ZZZZZZ	4267	33701	6899	1814
15:52	ZZZZZZ	4235	33445	6859	1802
15:56	MP31446-MB2	4483	34937	7186	1913
16:01	MP31446-B2	4337	33868	6932	1802
16:05	MP31446-MB3	4414	34229	6928	1861
16:10	MP31446-B3	4313	33868	6926	1782
16:14	MP31446-MB4	4385	34337	7016	1857
16:19	MP31446-B4	4320	33824	6907	1781
16:23	MA13715-CCV10	4428	34418	6989	1821
16:27	MA13715-CCB10	4581	35153	7223	1973

INTERNAL STANDARD SUMMARY

Login Number: FA32306RR
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA010617M1.ICP Date Analyzed: 01/06/17 Methods: SW846 6010C
 Analyst: LM Run ID: MA13715
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
19:12	MA13715-CCV11	4373	33684	6284	1799
19:16	MA13715-CCB11	4383	33374	6108	1882
19:49	MA13715-CRIA2	4545	34812	6186	1949
19:53	MA13715-ICSA2	4039	31593	5777	1603
19:58	MA13715-ICSAB2	4034	31487	5804	1580
20:02	MA13715-CCV12	4361	33588	6033	1796
20:07	MA13715-CCB12	4530	34453	6164	1942

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

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BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32306RR
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA010617M1.ICP
 QC Limits: result < RL

Date Analyzed: 01/06/17
 Run ID: MA13715

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		08:34	09:10		10:11	11:05			
	Sample ID:	RL	ICB1	final	CCB1	CCB2	CCB3	final		
		IDL	raw		raw	raw	raw			
Aluminum	200	14								
Antimony	6.0	1	anr							
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2								
Cadmium	5.0	.2	anr							
Calcium	1000	50	anr							
Chromium	10	1	anr							
Cobalt	50	.2								
Copper	25	1								
Iron	300	17	anr							
Lead	5.0	1	-0.20	<5.0	-0.20	<5.0	0.0	<5.0	0.30	<5.0
Magnesium	5000	35								
Manganese	15	.5								
Molybdenum	50	.3								
Nickel	40	.4	anr							
Potassium	10000	200								
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500								
Strontium	10	.5								
Thallium	10	1.1	anr							
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5								
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32306RR
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA010617M1.ICP
QC Limits: result < RL

Date Analyzed: 01/06/17
Run ID: MA13715

Methods: SW846 6010C
Units: ug/l

Metal	Time: Sample ID:	RL	IDL	11:58 CCB4		12:51 CCB5		13:35 CCB6		14:29 CCB7	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14								
Antimony		6.0	1	anr							
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2								
Cadmium		5.0	.2	anr							
Calcium		1000	50	anr							
Chromium		10	1	anr							
Cobalt		50	.2								
Copper		25	1								
Iron		300	17	anr							
Lead		5.0	1	0.40	<5.0	0.30	<5.0	-0.70	<5.0	-0.30	<5.0
Magnesium		5000	35								
Manganese		15	.5								
Molybdenum		50	.3								
Nickel		40	.4	anr							
Potassium		10000	200								
Selenium		10	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500								
Strontium		10	.5								
Thallium		10	1.1	anr							
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3	anr							

(*) Outside of QC limits
(anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32306RR
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA010617M1.ICP
 QC Limits: result < RL

Date Analyzed: 01/06/17
 Run ID: MA13715

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	14:40 CCB8		15:33 CCB9		16:27 CCB10		19:16 CCB11	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14								
Antimony		6.0	1	anr							
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2								
Cadmium		5.0	.2	anr							
Calcium		1000	50	anr							
Chromium		10	1	anr							
Cobalt		50	.2								
Copper		25	1								
Iron		300	17	anr							
Lead		5.0	1	-0.50	<5.0	0.0	<5.0	-0.40	<5.0	-0.30	<5.0
Magnesium		5000	35								
Manganese		15	.5								
Molybdenum		50	.3								
Nickel		40	.4	anr							
Potassium		10000	200								
Selenium		10	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500								
Strontium		10	.5								
Thallium		10	1.1	anr							
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32306RR
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA010617M1.ICP
 QC Limits: result < RL

Date Analyzed: 01/06/17
 Run ID: MA13715

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	20:07 CCB12 raw	final
Aluminum		200	14		
Antimony		6.0	1	anr	
Arsenic		10	1.3	anr	
Barium		200	1	anr	
Beryllium		4.0	.2		
Cadmium		5.0	.2	anr	
Calcium		1000	50	anr	
Chromium		10	1	anr	
Cobalt		50	.2		
Copper		25	1		
Iron		300	17	anr	
Lead		5.0	1	-0.40	<5.0
Magnesium		5000	35		
Manganese		15	.5		
Molybdenum		50	.3		
Nickel		40	.4	anr	
Potassium		10000	200		
Selenium		10	2.4	anr	
Silver		10	.7	anr	
Sodium		10000	500		
Strontium		10	.5		
Thallium		10	1.1	anr	
Tin		50	.9		
Titanium		10	.5		
Vanadium		50	.5		
Zinc		20	3	anr	

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
 6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32306RR
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA010617M1.ICP Date Analyzed: 01/06/17 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13715 Units: ug/l

Metal	Time:		08:25		09:00		10:07		
	Sample ID:	ICV	ICV1	CCV	CCV1	CCV	CCV2		
	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper									
Iron	anr								
Lead	2000	1990	99.5	2000	2020	101.0	2000	1990	99.5
Magnesium									
Manganese									
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32306RR
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA010617M1.ICP Date Analyzed: 01/06/17 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13715 Units: ug/l

Metal	Sample ID	CCV	11:00		CCV	11:53		CCV	12:47	
			CCV3	Results		CCV4	Results		CCV5	Results
		True	% Rec	% Rec	True	% Rec	% Rec	True	% Rec	% Rec
Aluminum										
Antimony	anr									
Arsenic	anr									
Barium	anr									
Beryllium										
Cadmium	anr									
Calcium	anr									
Chromium	anr									
Cobalt										
Copper										
Iron	anr									
Lead	2000	1980	99.0	2000	1970	98.5	2000	1980	99.0	
Magnesium										
Manganese										
Molybdenum										
Nickel	anr									
Potassium										
Selenium	anr									
Silver	anr									
Sodium										
Strontium										
Thallium	anr									
Tin										
Titanium										
Vanadium										
Zinc	anr									

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32306RR
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA010617M1.ICP Date Analyzed: 01/06/17 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13715 Units: ug/l

Metal	Time:		13:23		13:29		14:25		
	Sample ID:	ICV	ICV2	CCV	CCV6	CCV	CCV7		
	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper									
Iron	anr								
Lead	2000	1960	98.0	2000	1990	99.5	2000	2040	102.0
Magnesium									
Manganese									
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32306RR
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA010617M1.ICP Date Analyzed: 01/06/17 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13715 Units: ug/l

Metal	Sample ID	CCV	14:34		CCV	15:29		CCV	16:23	
			CCV8	Results		CCV9	Results		CCV10	Results
		True	% Rec		True	% Rec		True	% Rec	
Aluminum										
Antimony	anr									
Arsenic	anr									
Barium	anr									
Beryllium										
Cadmium	anr									
Calcium	anr									
Chromium	anr									
Cobalt										
Copper										
Iron	anr									
Lead	2000	1980	99.0	2000	2010	100.5	2000	2010	100.5	
Magnesium										
Manganese										
Molybdenum										
Nickel	anr									
Potassium										
Selenium	anr									
Silver	anr									
Sodium										
Strontium										
Thallium	anr									
Tin										
Titanium										
Vanadium										
Zinc	anr									

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32306RR
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA010617M1.ICP Date Analyzed: 01/06/17 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13715 Units: ug/l

Metal	Sample ID	CCV	19:12		20:02	
			CCV11	Results	CCV	Results
		True	% Rec	True	% Rec	
Aluminum						
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium						
Cadmium	anr					
Calcium	anr					
Chromium	anr					
Cobalt						
Copper						
Iron	anr					
Lead	2000	2030	101.5	2000	2030	101.5
Magnesium						
Manganese						
Molybdenum						
Nickel	anr					
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium						
Zinc	anr					

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA32306RR
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA010617M1.ICP Date Analyzed: 01/06/17 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13715 Units: ug/l

Time:	08:16
Sample ID:	HSTD1
Metal	True
	Results % Rec

Aluminum			
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt			
Copper			
Iron	anr		
Lead	4000	4010	100.3
Magnesium			
Manganese			
Molybdenum			
Nickel	anr		
Potassium			
Selenium	anr		
Silver	anr		
Sodium			
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA32306RR
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA010617M1.ICP Date Analyzed: 01/06/17 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13715 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	08:38 CRIA1 Results	% Rec	19:49 CRIA2 Results	% Rec
Metal						
Aluminum	400	200				
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25				
Iron	600	300	anr			
Lead	10	5.0	5.2	104.0	5.3	106.0
Magnesium	10000	5000				
Manganese	30	15				
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000				
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000				
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA32306RR
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA010617M1.ICP Date Analyzed: 01/06/17 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13715 Units: ug/l

Time:	ICSA	ICSAB	08:44		08:50		19:53		19:58	
Sample ID:	True	True	ICSAB1	% Rec	ICSAB1	% Rec	ICSAB2	% Rec	ICSAB2	% Rec
Metal			Results		Results		Results		Results	
Aluminum	500000	500000	501000	100.2	495000	99.0	514000	102.8	508000	101.6
Antimony		1000	-1.6		1060	106.0	-0.30		1060	106.0
Arsenic		1000	-1.2		1110	111.0	-1.1		1110	111.0
Barium		500	0.30		525	105.0	0.80		555	111.0
Beryllium		500	-0.10		508	101.6	-0.10		479	95.8
Cadmium		1000	0.80		962	96.2	1.6		968	96.8
Calcium	500000	500000	475000	95.0	469000	93.8	456000	91.2	447000	89.4
Chromium		500	-0.50		509	101.8	-0.30		515	103.0
Cobalt		500	0.50		487	97.4	0.80		489	97.8
Copper		500	0.30		557	111.4	-2.2		555	111.0
Iron	200000	200000	180000	90.0	181000	90.5	155000	77.5*(a)	157000	78.5*(a)
Lead		1000	0.0		1000	100.0	4.8		1010	101.0
Magnesium	500000	500000	515000	103.0	519000	103.8	462000	92.4	461000	92.2
Manganese		500	-0.60		502	100.4	-0.80		508	101.6
Molybdenum		1000	0.40		990	99.0	0.70		999	99.9
Nickel		1000	0.0		974	97.4	-0.20		975	97.5
Potassium			3.9		-4.2		203		201	
Selenium		1000	-1.0		1040	104.0	2.5		1040	104.0
Silver		1000	-0.40		1010	101.0	-0.50		1020	102.0
Sodium			137		142		1290		1060	
Strontium		1000	-0.50		1030	103.0	2.3		1070	107.0
Thallium		1000	0.0		997	99.7	-1.7		1010	101.0
Tin		1000	3.4		979	97.9	4.3		987	98.7
Titanium		1000	-0.80		1030	103.0	-0.90		1040	104.0
Vanadium		500	0.0		487	97.4	1.5		496	99.2
Zinc		1000	-2.5		950	95.0	-2.5		961	96.1

(*) Outside of QC limits
(anr) Analyte not requested
(a) Possible instrument baseline drift.

6.1.6
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA32306RR
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP31429
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 01/04/17

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.4	3.5		
Antimony	2.0	.1	.13		
Arsenic	1.0	.13	.2		
Barium	20	.1	.1		
Beryllium	0.50	.02	.05		
Cadmium	0.40	.02	.05		
Calcium	500	5	5		
Chromium	1.0	.1	.1		
Cobalt	5.0	.02	.05		
Copper	2.5	.1	.1		
Iron	30	1.7	1.7		
Lead	2.0	.1	.1	-0.070	<2.0
Magnesium	500	3.5	3.6		
Manganese	1.5	.05	.05		
Molybdenum	5.0	.03	.05		
Nickel	4.0	.04	.05		
Potassium	1000	20	20		
Selenium	2.0	.24	.24		
Silver	1.0	.07	.082		
Sodium	1000	50	50		
Strontium	1.0	.05	.05		
Thallium	1.0	.11	.11		
Tin	5.0	.09	.09		
Titanium	1.0	.05	.05		
Vanadium	5.0	.05	.05		
Zinc	2.0	.3	.3		

Associated samples MP31429: FA32306-33RR

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.21
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32306RR
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP31429
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 01/04/17 01/04/17

Metal	FA38934-2R Original DUP	RPD	QC Limits	FA38934-2R Original MS	Spikelot MPFLICP2 % Rec	QC Limits
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead	1.8 1.7	5.7	0-20	1.8 11.3	9.84	113.0N(a) 80-120
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP31429: FA32306-33RR

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested
 (a) Spike recovery indicates possible matrix interference and/or sample non-homogeneity.

6.2.2
 6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32306RR
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP31429
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 01/04/17 01/04/17

Metal	FA38934-2R Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit	FA38934-2R Original DUP	RPD	QC Limits
Aluminum							
Antimony							
Arsenic							
Barium							
Beryllium							
Cadmium							
Calcium							
Chromium							
Cobalt							
Copper							
Iron							
Lead	1.8 10.1	9.28 89.4	11.2	20	1.8 1.7	5.7	0-20
Magnesium							
Manganese							
Molybdenum							
Nickel							
Potassium							
Selenium							
Silver							
Sodium							
Strontium							
Thallium							
Tin							
Titanium							
Vanadium							
Zinc							

Associated samples MP31429: FA32306-33RR

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA32306RR
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP31429
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 01/04/17

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	9.9	10	99.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP31429: FA32306-33RR

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.2.3
 6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA32306RR
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP31429
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 01/04/17

Metal	FA38934-2R	QC
	Original SDL 5:25 %DIF	Limits

Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	98.1	90.8	7.4	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP31429: FA32306-33RR

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.2.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA32306RR
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP31429
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date:

01/04/17

Metal	Sample ml	Final ml	FA38934-2R Raw	PS Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead	9.8	10	98.1	96.138	137.9	0.2	2.5	50	83.5	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP31429: FA32306-33RR

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (**) Corr. sample result = Raw * (sample volume / final volume)
 (anr) Analyte not requested

6.2.5
6

Instrument Detection Limits

Job Number: FA32306RR
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1	Effective Date: 01/27/15
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Analyte	IDL ug/l
Aluminum	14
Antimony	1
Arsenic	1.3
Barium	1
Beryllium	.2
Cadmium	.2
Calcium	50
Chromium	1
Cobalt	.2
Copper	1
Iron	17
Lead	1
Magnesium	35
Manganese	.5
Molybdenum	.3
Nickel	.4
Potassium	200
Selenium	2.4
Silicon	5
Silver	.7
Sodium	500
Strontium	.5
Sulfur	5
Thallium	1.1
Tin	.9
Titanium	.5
Vanadium	.5
Zinc	3

The above applies to the following instrument runs:
MA13715

6.3
6

Instrument Linear Ranges

Job Number: FA32306RR
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1

Effective Date: 08/13/13

Analyte	Linear Range ug/l
Aluminum	500000
Antimony	10000
Arsenic	10000
Barium	10000
Beryllium	10000
Cadmium	10000
Calcium	500000
Chromium	10000
Cobalt	10000
Copper	10000
Iron	500000
Lead	10000
Magnesium	500000
Manganese	10000
Molybdenum	10000
Nickel	10000
Potassium	80000
Selenium	10000
Silver	1000
Sodium	80000
Strontium	10000
Sulfur	10000
Thallium	10000
Tin	10000
Titanium	10000
Vanadium	10000
Zinc	10000

The above applies to the following instrument runs:
MA13715

Metals Analysis

Raw Data

Sample Name: Blank Acquired: 1/6/2017 8:01:11 Type: Cal
Method: 60102007_042011(v413) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	.0020	-0.0010	.0000	.0006	.0072	-0.0012	-0.0007	-0.0001
Stddev	.0001	.0013	.0001	.001	.0007	.0001	.0004	.0002	.0001
%RSD	146.6	67.58	14.38	4555.	116.8	1.553	35.47	31.58	113.3
#1	.0000	.0011	-0.0009	-0.0010	.0000	.0071	-0.0007	-0.0005	.0000
#2	.0002	.0013	-0.0011	.0006	.0004	.0072	-0.0015	-0.0009	-0.0001
#3	.0000	.0035	-0.0009	.0003	.0013	.0073	-0.0014	-0.0006	-0.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0154	.0013	-0.0017	-0.0002	.0009	.0020	.0053	-0.0009	-0.0009
Stddev	.0001	.0000	.0004	.0003	.0001	.0002	.0014	.0002	.0005
%RSD	.3903	3.490	24.08	182.2	6.983	10.91	26.21	27.28	56.15
#1	.0153	.0013	-0.0013	-0.0005	.0009	.0021	.0038	-0.0011	-0.0008
#2	.0154	.0013	-0.0018	-0.0002	.0009	.0021	.0066	-0.0009	-0.0005
#3	.0154	.0014	-0.0021	.0001	.0010	.0017	.0054	-0.0006	-0.0015
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0006	.0005	.0059	.0007	.0005	.0012	-0.0021	-0.0009	.0029
Stddev	.0001	.0002	.0001	.0000	.0015	.0000	.0002	.0001	.0002
%RSD	21.93	40.08	1.337	5.144	283.6	2.571	10.99	13.76	7.801
#1	.0005	.0008	.0058	.0007	-0.0012	.0012	-0.0019	-0.0007	.0031
#2	.0004	.0004	.0059	.0007	.0011	.0012	-0.0020	-0.0009	.0031
#3	.0007	.0004	.0060	.0007	.0016	.0012	-0.0023	-0.0009	.0027
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	1965.5	4415.2	3490.5	7680.7					
Stddev	2.5	9.6	96.	22.6					
%RSD	.12612	.21829	.27598	.29407					
#1	1962.9	4419.6	34796.	7657.3					
#2	1967.7	4421.8	34979.	7682.4					
#3	1966.0	4404.1	34940.	7702.4					

Raw Data MA13715 page 1 of 153

Sample Name: LowStd Acquired: 1/6/2017 8:05:12 Type: Cal
Method: 60102007_042011(v413) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0396	1.639	.0898	4.326	5.143	2.568	2.396	1.390	2.326
Stddev	.0002	.005	.0001	.015	.010	.017	.004	.000	.0015
%RSD	.4601	.2903	.0559	.3492	.1926	.6630	.1604	.0176	.6299
#1	.0394	1.634	.0898	4.342	5.155	2.549	2.398	1.390	2.343
#2	.0395	1.640	.0897	4.323	5.137	2.574	2.392	1.390	2.316
#3	.0398	1.643	.0898	4.312	5.138	2.582	2.399	1.390	2.320
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4220	1.634	7.426	2.251	1.332	4.876	3.152	.8061	4.456
Stddev	.0008	.004	.0016	.0012	.002	.0016	.020	.0013	.0006
%RSD	.1987	.2332	.2199	.5176	.1686	.3221	.6268	.1656	.1435
#1	.4230	1.630	7.440	2.238	1.335	4.867	3.175	.8059	4.453
#2	.4214	1.635	7.430	2.254	1.331	4.867	3.137	.8048	4.464
#3	.4216	1.637	7.408	2.261	1.331	4.895	3.146	.8075	4.452
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.124	.0677	1.478	.2026	6.413	.7812	1.456	.3341	1.127
Stddev	.0005	.0005	.0008	.0002	.023	.0012	.0007	.0012	.001
%RSD	.3707	.7649	.5204	.1041	.3641	.1492	.5121	.3597	.0949
#1	.1219	.0672	1.476	.2028	6.440	.7799	1.454	.3354	1.128
#2	.1227	.0681	1.472	.2027	6.398	.7815	1.451	.3331	1.126
#3	.1227	.0680	1.487	.2024	6.401	.7822	1.465	.3338	1.127
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	1930.4	4388.9	3499.5	7723.7					
Stddev	2.0	3.5	84.	40.6					
%RSD	.10103	.08038	.23956	.52615					
#1	1932.6	4388.6	34898.	7766.5					
#2	1929.2	4392.6	35039.	7718.9					
#3	1929.3	4385.6	35048.	7685.6					

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Sample Name: MidStd Acquired: 1/6/2017 8:08:35 Type: Cal
Method: 60102007_042011(v413) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.598	6.375	3.638	17.01	20.15	9.806	9.369	5.424	8.977
Stddev	.0001	.025	.0005	.05	.07	.013	.025	.014	.0018
%RSD	.0807	.3867	.1312	.2692	.3348	.1350	.2690	.2642	.1984
#1	.1597	6.377	3.643	16.99	20.20	9.820	9.397	5.440	8.964
#2	.1599	6.349	3.636	16.97	20.07	9.794	9.362	5.417	8.969
#3	.1597	6.399	3.634	17.06	20.18	9.803	9.348	5.414	8.997
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.651	6.471	2.928	8.678	5.179	2.003	12.33	3.144	1.803
Stddev	.004	.024	.009	.0040	.003	.003	.03	.004	.002
%RSD	.2680	.3632	.3099	.4607	.0639	.1338	.2031	.1344	.1004
#1	1.649	6.493	2.939	8.717	5.182	2.006	12.35	3.148	1.804
#2	1.648	6.446	2.924	8.638	5.176	2.001	12.30	3.144	1.804
#3	1.656	6.475	2.922	8.679	5.179	2.003	12.34	3.139	1.801
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4908	.2695	.6135	.8227	26.51	3.192	.5998	1.338	4.361
Stddev	.0003	.0010	.0006	.0028	.09	.003	.0011	.001	.016
%RSD	.0560	.3818	.0980	.3423	.3357	.1052	.1914	.0669	.3557
#1	.4911	.2704	.6142	.8256	26.54	3.195	.5989	1.338	4.379
#2	.4905	.2684	.6131	8224	26.40	3.189	.6011	1.338	4.355
#3	.4907	.2696	.6131	8200	26.57	3.192	.5995	1.339	4.350
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	1823.1	4267.8	3447.4	7668.8					
Stddev	2.7	7.2	83.	11.7					
%RSD	.14851	.16866	.24075	.15230					
#1	1820.9	4263.3	3441.1	7657.9					
#2	1826.1	4276.1	3456.8	7681.1					
#3	1822.3	4263.9	3444.1	7667.3					

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Sample Name: HighStd Acquired: 1/6/2017 8:12:27 Type: Cal
Method: 60102007_042011(v413) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.179	12.60	7.136	32.90	38.83	19.11	18.01	10.52	1.757
Stddev	.0007	.04	.0007	.29	.26	.04	.03	.02	.009
%RSD	.2126	.3470	.0963	.8822	.6742	.1927	.1837	.1576	.5120
#1	.3184	12.65	7.139	33.22	39.10	19.10	18.02	10.52	1.766
#2	.3171	12.58	7.128	32.83	38.80	19.09	18.04	10.54	1.756
#3	.3181	12.57	7.141	32.65	38.58	19.16	17.98	10.51	1.748
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.278	12.55	5.759	1.732	9.893	3.855	24.23	6.046	3.588
Stddev	.005	.01	.019	.005	.039	.005	.06	.004	.002
%RSD	.1504	.0801	.3269	.2886	.3970	.1274	.2514	.0680	.0595
#1	3.277	12.55	5.772	1.727	9.909	3.857	24.27	6.047	3.586
#2	3.283	12.54	5.767	1.734	9.849	3.860	24.26	6.050	3.587
#3	3.274	12.56	5.737	1.736	9.923	3.850	24.16	6.042	3.590
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.9604	.5258	1.256	1.599	50.42	6.219	1.185	2.645	8.468
Stddev	.0016	.0006	.002	.002	.31	.021	.003		

Sample Name: HSTD Acquired: 1/6/2017 8:16:31 Type: QC
 Method: 60102007_042011(v413) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5034	79.85	3.993	3.948	3.921	79.56	3.948	3.972	3.965
Stddev	.0015	.08	.007	.055	.012	.29	.005	.005	.006
%RSD	.3061	.1037	.1822	1.382	.2950	.3620	.1227	.1191	.1620

#1	.5051	79.92	3.987	3.885	3.925	79.89	3.945	3.968	3.973
#2	.5020	79.86	3.991	3.984	3.907	79.36	3.946	3.971	3.963
#3	.5032	79.76	4.001	3.975	3.929	79.43	3.954	3.977	3.960

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.055	79.16	79.17	80.27	3.910	3.977	79.29	3.949	4.007
Stddev	.004	.17	.25	.60	.006	.002	.29	.000	.005
%RSD	.1002	.2133	.3118	.7479	.1659	.0587	.3651	.0077	.1218

#1	4.059	79.35	78.89	80.94	3.903	3.974	78.96	3.949	4.009
#2	4.053	79.05	79.22	79.77	3.916	3.977	79.47	3.949	4.002
#3	4.052	79.06	79.38	80.10	3.911	3.979	79.45	3.949	4.011

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.984	3.992	4.089	3.985	3.894	3.948	4.001	3.966	3.962
Stddev	.002	.006	.008	.008	.050	.005	.009	.012	.007
%RSD	.0603	.1499	.1955	.1940	1.275	.1219	.2212	.3017	.1736

#1	3.987	3.987	4.080	3.978	3.940	3.953	3.991	3.979	3.957
#2	3.984	3.990	4.096	3.984	3.841	3.943	4.004	3.956	3.958
#3	3.982	3.998	4.091	3.993	3.900	3.947	4.007	3.964	3.970

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 1/6/2017 8:16:31 Type: QC
 Method: 60102007_042011(v413) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1720.9	4159.9	33787.	7469.7
Stddev	1.9	6.6	76.	45.5
%RSD	.11040	.15902	.22554	.60978

#1	1722.3	4164.4	33707.	7420.2
#2	1718.7	4152.3	33796.	7509.9
#3	1721.6	4162.9	33858.	7479.1

Sample Name: ICV Acquired: 1/6/2017 8:25:57 Type: QC
 Method: 60102007_042011(v413) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2576	40.99	2.029	2.050	2.033	41.36	2.023	2.021	1.999
Stddev	.0003	.30	.006	.009	.010	.26	.011	.003	.003
%RSD	.1359	.7410	.2861	.4621	.4833	.6270	.5217	.1595	.1721

#1	.2579	41.30	2.023	2.059	2.042	41.56	2.011	2.018	1.997
#2	.2575	41.00	2.033	2.051	2.034	41.46	2.025	2.020	2.002
#3	.2572	40.69	2.032	2.040	2.022	41.07	2.032	2.024	1.996

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.991	40.37	41.13	40.76	2.027	1.996	40.91	2.027	1.986
Stddev	.008	.26	.19	.36	.005	.003	.21	.004	.013
%RSD	.4131	.6411	.4598	.8788	.2526	.1585	.5022	.2178	.6667

#1	2.000	40.58	41.34	41.03	2.024	1.992	41.14	2.022	1.971
#2	1.986	40.46	41.07	40.90	2.033	1.997	40.85	2.029	1.991
#3	1.987	40.08	40.97	40.36	2.025	1.998	40.74	2.031	1.995

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.033	2.035	1.426	2.052	1.994	2.024	2.077	1.949	2.009
Stddev	.004	.008	.0023	.009	.011	.003	.007	.005	.019
%RSD	.2112	.4048	1.643	.4278	.5511	.1564	.3195	.2500	.9298

#1	2.038	2.027	.1402	2.042	2.005	2.024	2.072	1.949	1.988
#2	2.031	2.034	.1449	2.058	1.993	2.028	2.073	1.954	2.018
#3	2.030	2.043	.1426	2.057	1.983	2.021	2.084	1.944	2.022

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 1/6/2017 8:25:57 Type: QC
 Method: 60102007_042011(v413) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1812.2	4218.4	34372.	7622.7
Stddev	10.4	31.2	138.	51.4
%RSD	.57452	.74062	.40117	.67371

#1	1800.4	4182.8	34240.	7587.6
#2	1820.1	4240.9	34363.	7598.9
#3	1816.2	4231.6	34515.	7681.7

Sample Name: ICB Acquired: 1/6/2017 8:34:27 Type: QC
 Method: 60102007_042011(v413) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0017	.0003	.0000	.0000	-0.018	-0.001	.0000	-0.002
Stddev	.0005	.0034	.0005	.000	.0000	.0007	.0001	.0001	.0002
%RSD	377.0	208.2	196.3	416.5	896.9	38.09	118.9	470.1	92.52
#1	-.0006	.0033	.0001	-.0002	.0000	-.0024	-.0001	.0000	-.0001
#2	.0003	.0040	-.0002	-.0000	.0000	-.0010	.0000	.0000	-.0002
#3	.0000	-.0023	.0008	.0001	.0000	-.0021	.0000	.0001	-.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.007	-0.025	.0126	.0039	-0.001	.0000	-0.011	.0000	-0.002
Stddev	.0002	.0005	.0433	.0169	.0000	.000	.0028	.000	.0009
%RSD	25.44	20.95	344.9	434.3	31.35	964.7	256.1	462.7	407.4
#1	-.0009	-.0031	-.0367	.0022	-.0001	.0001	-.0041	-.0002	-.0009
#2	-.0005	-.0020	.0447	-.0121	-.0001	.0000	-.0007	.0002	.0008
#3	-.0007	-.0024	.0297	.0216	-.0001	-.0001	.0015	-.0001	-.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0009	-0.008	-0.002	.0000	-0.002	-0.005	-0.003	-0.005
Stddev	.0009	.0015	.0002	.0004	.000	.0001	.0005	.0002	.0001
%RSD	131.0	161.4	31.23	242.8	60.13	37.04	91.45	80.08	19.50
#1	-.0005	.0025	-.0005	-.0006	.0000	-.0001	-.0004	-.0005	-.0005
#2	-.0007	-.0004	-.0008	.0000	-.0001	-.0002	-.0011	.0000	-.0004
#3	.0010	.0006	-.0010	.0001	.0000	-.0002	-.0001	-.0004	-.0006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 1/6/2017 8:34:27 Type: QC
 Method: 60102007_042011(v413) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1987.5	4472.4	35399.	7641.9
Stddev	6.2	13.6	75.	31.6
%RSD	.31250	.30398	.21269	.41399
#1	1993.7	4487.5	35312.	7632.5
#2	1987.6	4468.7	35447.	7677.2
#3	1981.3	4461.1	35438.	7616.0

Sample Name: CRIA Acquired: 1/6/2017 8:38:19 Type: QC
 Method: 60102007_042011(v413) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0085	.2067	.0108	.2078	.0052	1.059	.0052	.0527	.0104
Stddev	.0002	.0035	.0004	.0004	.0000	.003	.0000	.0001	.0002
%RSD	2.232	1.674	4.118	.1867	.7267	.2744	.7545	.1941	2.095
#1	.0084	.2045	.0107	.2074	.0052	1.061	.0052	.0526	.0101
#2	.0087	.2107	.0103	.2081	.0052	1.056	.0052	.0527	.0104
#3	.0084	.2049	.0112	.2080	.0052	1.061	.0052	.0528	.0106

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0224	.3216	.0117	5.196	.0160	.0512	10.18	.0427	.0052
Stddev	.0003	.0029	.03	.016	.0001	.0002	.04	.0002	.0003
%RSD	1.497	.9093	.3135	.2996	.7941	.4637	.4368	.4544	4.988
#1	.0228	.3249	0.16	5.184	.0161	.0509	10.23	.0428	.0049
#2	.0223	.3193	0.14	5.190	.0159	.0512	10.14	.0425	.0053
#3	.0222	.3205	0.20	5.214	.0159	.0514	10.17	.0428	.0053

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0048	.0097	.0117	.0531	.0101	.0101	.0100	.0497	.0208
Stddev	.0011	.0008	.0006	.0005	.0000	.0012	.0004	.0004	.0001
%RSD	22.61	8.109	5.120	.9990	.2778	.4897	12.01	.8272	.5154
#1	.0059	.0090	.0113	.0531	.0102	.0101	.0094	.0496	.0206
#2	.0047	.0105	.0115	.0537	.0101	.0102	.0092	.0493	.0208
#3	.0037	.0096	.0124	.0526	.0101	.0101	.0113	.0501	.0208

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 1/6/2017 8:38:19 Type: QC
 Method: 60102007_042011(v413) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1986.0	4444.1	35572.	7747.9
Stddev	1.8	2.7	52.	38.1
%RSD	.09167	.05966	.14637	.49147
#1	1987.4	4446.9	35512.	7748.2
#2	1984.0	4443.5	35600.	7785.8
#3	1986.8	4441.7	35604.	7709.6

Sample Name: ICSCA Acquired: 1/6/2017 8:44:11 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	501.2	-0.012	0.003	-0.001	474.7	0.008	0.005	-0.005
Stddev	0.002	3.9	0.027	0.002	0.000	.6	0.000	0.001	0.003
%RSD	45.26	.7774	223.5	70.79	33.93	.1228	6.001	26.76	61.29

#1	-0.006	498.0	-0.027	0.003	-0.001	474.9	0.007	0.006	-0.003
#2	-0.005	500.0	0.019	0.001	-0.001	475.2	0.008	0.004	-0.009
#3	-0.002	505.5	-0.030	0.004	-0.002	474.1	0.008	0.006	-0.004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.003	179.9	0.039	514.8	-0.006	0.004	0.1366	0.000	0.000
Stddev	0.001	.5	0.233	1.7	0.000	0.003	0.060	0.003	0.01
%RSD	34.62	.2908	601.7	.3215	4.516	81.95	4.409	1010.	2248.

#1	0.002	179.3	0.258	513.0	-0.006	0.006	.1305	-0.003	0.005
#2	0.003	179.9	-0.205	515.2	-0.006	0.005	.1369	0.001	0.006
#3	0.004	180.4	0.063	516.2	-0.007	0.000	.1425	0.003	-0.012

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.016	-0.010	0.774	0.034	-0.005	-0.008	0.000	0.000	-0.025
Stddev	0.011	0.026	0.009	0.004	0.003	0.001	0.024	0.00	0.001
%RSD	70.64	254.4	1.103	12.86	67.31	17.10	14550.	1005.	2.559

#1	-0.006	-0.021	0.766	0.034	-0.007	-0.007	0.000	0.003	-0.026
#2	-0.028	0.020	0.773	0.039	-0.007	-0.009	-0.023	-0.004	-0.025
#3	-0.013	-0.030	0.783	0.030	-0.001	-0.007	0.024	0.000	-0.025

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSCA Acquired: 1/6/2017 8:44:11 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1608.8	3927.9	32135.	7207.4
Stddev	2.4	6.8	95.	17.2
%RSD	.14621	.17375	.29500	.23915

#1	1608.6	3930.9	32033.	7226.8
#2	1606.5	3920.1	32151.	7201.2
#3	1611.2	3932.8	32221.	7194.1

Sample Name: ICSAB Acquired: 1/6/2017 8:50:32 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.014	494.5	1.108	5247	5.084	469.1	9.617	4.865	5.092
Stddev	.001	3.5	.004	0.013	0.012	1.6	0.010	0.004	0.029
%RSD	.1133	.7022	.3250	.2566	.2377	.3362	.1017	.0913	.5777

#1	1.013	498.5	1.108	5245	5.083	467.6	9.607	4.870	5.058
#2	1.015	492.0	1.111	5234	5.097	470.8	9.627	4.865	5.110
#3	1.014	493.0	1.104	5261	5.073	469.0	9.618	4.861	5.108

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.5571	181.3	-0.042	519.4	0.5016	0.9900	0.1419	0.9735	1.001
Stddev	0.017	.6	0.170	3.9	0.025	0.004	0.0106	0.021	0.03
%RSD	.3132	.3475	407.8	.7447	.5070	.0396	7.444	.2174	.3434

#1	0.5551	180.9	-0.061	515.9	0.4994	0.9895	0.1330	0.9723	0.9968
#2	0.5583	182.1	0.137	523.5	0.5044	0.9902	0.1392	0.9760	1.003
#3	0.5580	181.0	-0.201	518.8	0.5011	0.9902	0.1536	0.9723	1.002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.057	1.035	0.1036	0.9785	1.034	1.027	0.9970	0.4867	0.9501
Stddev	0.005	0.007	0.0006	0.023	0.00	0.04	0.0059	0.0019	0.0016
%RSD	.4481	.7136	.6237	.2320	.0430	.4012	.5963	.3826	.1655

#1	1.055	1.031	0.1029	0.9777	1.034	1.024	0.9968	0.4858	0.9497
#2	1.053	1.030	0.1042	0.9811	1.033	1.032	1.003	0.4889	0.9519
#3	1.062	1.043	0.1037	0.9768	1.034	1.025	0.9912	0.4855	0.9488

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 1/6/2017 8:50:32 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1593.5	3959.7	32030.	7130.2
Stddev	1.6	4.8	137.	33.7
%RSD	.10165	.12051	.42757	.47230

#1	1593.0	3958.2	32188.	7131.1
#2	1595.3	3965.1	31941.	7096.1
#3	1592.2	3956.0	31961.	7163.4

Sample Name: CCV Acquired: 1/6/2017 9:00:37 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2549	40.48	2.048	2.050	2.054	40.71	2.062	2.056	2.036
Stddev	.0004	.17	.003	.009	.009	.25	.002	.003	.004
%RSD	.1567	.4143	.1479	.4268	.4133	.6170	.0847	.1495	.1925

#1	.2554	40.58	2.051	2.059	2.061	40.75	2.064	2.060	2.034
#2	.2547	40.28	2.048	2.042	2.045	40.44	2.061	2.054	2.041
#3	.2547	40.56	2.045	2.049	2.058	40.94	2.061	2.056	2.033

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.032	40.92	40.71	40.14	2.069	2.077	40.77	2.066	2.024
Stddev	.001	.19	.20	.36	.003	.001	.16	.005	.003
%RSD	.0628	.4643	.4969	.9024	.1512	.0472	.3862	.2466	.1608

#1	2.031	41.04	40.92	40.22	2.065	2.078	40.94	2.072	2.027
#2	2.033	40.70	40.51	39.75	2.072	2.076	40.64	2.062	2.020
#3	2.031	41.02	40.70	40.46	2.069	2.078	40.73	2.063	2.024

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.054	2.057	2.004	2.060	2.079	2.052	2.043	2.033	2.048
Stddev	.002	.006	.002	.004	.008	.004	.003	.005	.003
%RSD	.1127	.3034	.0746	.1997	.3981	.2148	.1455	.2464	.1453

#1	2.055	2.055	2.004	2.063	2.087	2.047	2.043	2.028	2.045
#2	2.051	2.052	2.002	2.060	2.070	2.054	2.046	2.038	2.051
#3	2.055	2.064	2.005	2.055	2.079	2.055	2.040	2.034	2.047

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 1/6/2017 9:00:37 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1803.9	4215.4	34060.	7530.5
Stddev	3.5	10.1	82.	38.1
%RSD	.19142	.23998	.23929	.50594

#1	1800.0	4205.7	34154.	7523.2
#2	1806.6	4225.9	34017.	7571.7
#3	1805.1	4214.5	34009.	7496.6

Sample Name: CCB Acquired: 1/6/2017 9:10:34 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0029	-0.0003	.0001	.0000	-0.0063	.0000	.0000	-0.0002
Stddev	.0002	.0064	.0003	.0001	.000	.0009	.000	.000	.0001
%RSD	241.2	217.0	80.52	109.8	108.1	13.73	3550.	2635.	40.00

#1	.0002	-0.0022	-0.0006	.0000	.0000	.0055	.0001	.0001	-0.0001
#2	-.0002	.0010	-0.0002	.0000	-.0001	.0062	.0000	-.0001	-0.0002
#3	.0002	.0101	-0.0002	.0002	.0000	.0072	-.0001	.0000	-0.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0002	-0.0122	.0197	.0000	-0.0004	.0026	.0000	-0.0002
Stddev	.0002	.0026	.0138	.0040	.0000	.0002	.0025	.0000	.0003
%RSD	35.00	1061.	113.6	20.10	75.67	42.21	96.85	184.3	178.4

#1	.0004	-0.0024	-0.0154	.0154	.0001	-.0002	.0003	.0001	.0001
#2	.0007	.0027	-0.0242	.0206	.0000	-.0005	.0023	.0000	-0.0001
#3	.0004	.0004	.0030	.0232	.0000	-.0005	.0053	.0000	-0.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	-0.0002	.0007	.0002	.0000	-0.0002	-0.0006	-.0001	-0.0002
Stddev	.0004	.0014	.0004	.0001	.000	.0000	.0011	.0001	.0000
%RSD	130.0	640.1	55.55	31.25	153.3	12.95	190.8	102.8	5.693

#1	-.0006	-0.0005	.0011	.0001	.0000	-.0003	-.0017	.0000	-0.0002
#2	-.0005	-0.0015	.0004	.0002	-.0001	-.0002	-.0005	-.0001	-0.0002
#3	.0001	.0013	.0006	.0002	-.0001	-.0002	.0005	.0000	-0.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 1/6/2017 9:10:34 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1971.1	4421.1	34812.	7601.5
Stddev	1.3	5.3	142.	19.9
%RSD	.06767	.12079	.40820	.26116

#1	1972.6	4425.8	34772.	7580.1
#2	1970.2	4422.3	34695.	7604.8
#3	1970.4	4415.3	34970.	7619.4

Sample Name: MP31429-MB1 Acquired: 1/6/2017 9:16:51 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.007	.0106	F -.0061	-0.0022	-0.0008	.0561	-0.0013	-0.0007
Stddev	.0006	.0183	.0013	.0002	.0002	.0070	.0001	.0006
%RSD	83.65	171.6	21.29	137.9	30.34	12.55	9.065	93.07
#1	-.0006	.0056	-.0074	.0000	-.0009	.0500	-.0014	-.0010
#2	-.0002	.0309	-.0060	-.0004	-.0009	.0545	-.0015	-.0010
#3	-.0013	-.0046	-.0048	-.0001	-.0005	.0638	-.0012	.0001
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0050					
Low Limit			-.0050					

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0023	.0144	.0300	.0295	.0000	-0.0038	.0090
Stddev	.0011	.0001	.0063	.0403	.0412	.0001	.0004	.0205
%RSD	303.6	6.462	44.00	134.5	139.7	191.9	11.81	226.7
#1	-.0009	.0022	.0195	-.0154	.0687	.0000	-.0037	.0053
#2	.0010	.0023	.0165	.0438	-.0135	.0001	-.0033	.0311
#3	.0010	.0025	.0073	.0616	.0332	.0001	-.0042	-.0093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0011	F -.0035	1.909	.0032	9.029	F .0488	-0.0005	-0.0010
Stddev	.0005	.0036	.0048	.0047	.008	.0013	.0001	.0003
%RSD	47.63	101.7	524.1	145.0	.0861	2.604	24.09	25.06
#1	-.0005	-.0070	-.0020	.0003	9.038	.0502	-.0005	-.0012
#2	-.0015	-.0035	.0065	.0007	9.024	.0478	-.0003	-.0011
#3	-.0012	.0001	-.0017	.0086	9.026	.0484	-.0005	-.0007
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
High Limit		.0025				.0250		
Low Limit		-.0025				-.0250		

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Sample Name: MP31429-MB1 Acquired: 1/6/2017 9:16:51 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	F -.0060	-0.0009	F .0207
Stddev	.0043	.0008	.0003
%RSD	71.92	86.52	1.606
#1	-.0107	-.0018	.0209
#2	-.0022	-.0010	.0209
#3	-.0051	-.0001	.0203
Check ?	Chk Fail	Chk Pass	Chk Fail
High Limit	.0050		.0100
Low Limit	-.0050		-.0100

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1951.4	4366.3	3457.3	7615.1
Stddev	2.3	5.1	190.	31.5
%RSD	.11780	.11690	.54859	.41390
#1	1948.8	4361.2	34359.	7579.6
#2	1953.2	4366.2	34640.	7639.7
#3	1952.3	4371.4	34720.	7625.9

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Sample Name: MP31429-B1 Acquired: 1/6/2017 9:21:22 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0482	25.47	1.909	1.973	.0477	25.12	.0534	.4749	.1912
Stddev	.0004	.10	.007	.008	.0003	.10	.0003	.0016	.0011
%RSD	.7746	.3855	.3570	.4225	.5557	.3818	.4701	.3446	.5884
#1	.0486	25.48	1.901	1.980	.0477	25.02	.0536	.4767	.1918
#2	.0479	25.56	1.912	1.975	.0480	25.12	.0531	.4737	.1919
#3	.0481	25.37	1.913	1.963	.0475	25.22	.0535	.4741	.1899
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2374	26.21	23.56	23.83	.5065	.5095	24.12	.4851	.4955
Stddev	.0013	.13	.16	.19	.0009	.0012	.01	.0011	.0042
%RSD	.5578	.4791	.6956	.7770	.1702	.2310	.0263	.2350	.8479
#1	.2386	26.07	23.37	23.62	.5074	.5107	24.13	.4849	.4966
#2	.2377	26.24	23.63	23.98	.5066	.5084	24.12	.4841	.4909
#3	.2360	26.32	23.67	23.89	.5057	.5095	24.12	.4863	.4991
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4784	1.894	10.57	.5940	.4993	.5020	2.018	.4603	.5789
Stddev	.0007	.002	.05	.0036	.0024	.0017	.006	.0009	.0016
%RSD	.1407	.1156	.4911	.5990	.4832	.3359	.3115	.1869	.2680
#1	.4784	1.893	10.62	.5931	.4988	.5002	2.017	.4612	.5786
#2	.4790	1.893	10.52	.5979	.5019	.5035	2.012	.4595	.5776
#3	.4777	1.897	10.57	.5909	.4972	.5023	2.025	.4600	.5806
Check ?	Chk Pass	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: MP31429-B1 Acquired: 1/6/2017 9:21:22 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1935.4	4383.7	34656.	7455.0
Stddev	6.0	15.9	111.	15.3
%RSD	.30787	.36324	.32125	.20483
#1	1928.5	4367.4	34529.	7470.7
#2	1938.3	4399.2	34706.	7454.1
#3	1939.3	4384.6	34734.	7440.2

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Sample Name: FA38934-2R Acquired: 1/6/2017 9:32:56 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.013	241.2	0.265	8.649	0.041	13.55	-0.033	0.289	3.105
Stddev	.0004	1.0	.0023	.0031	.0003	.06	.0001	.0005	.0034
%RSD	33.51	4336	8.808	.3621	6.586	4.080	4.472	1.727	1.089
#1	-0.017	242.4	.0241	.8682	.0044	13.60	-0.033	.0284	.3142
#2	-0.014	240.5	.0268	.8620	.0039	13.57	-0.031	.0291	.3099
#3	-0.009	240.6	.0287	.8643	.0041	13.49	-0.034	.0293	.3075
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.007	220.3	15.49	14.28	9.078	0.086	2.497	1.625	0.981
Stddev	.0013	.9	.09	.03	.0028	.0002	.037	.0003	.0036
%RSD	2.658	4.266	.5740	.2295	.3030	2.589	1.481	.1552	3.638
#1	.0492	221.3	15.45	14.30	9.104	.0084	2.510	.1627	1.006
#2	.0513	220.0	15.42	14.29	9.079	.0086	2.455	.1622	.997
#3	.0517	219.5	15.59	14.24	9.049	.0088	2.525	.1627	.9940
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.013	-0.136	14.72	0.639	1.959	7.013	-0.074	5.596	1.405
Stddev	.0012	.0059	.01	.0008	.0006	.016	.0085	.0027	.0009
%RSD	91.20	43.57	0.794	1.261	1.319	2.243	114.5	4.753	6.712
#1	.0026	-0.167	14.71	.0630	.1964	7.030	-0.148	.5626	1.402
#2	.0004	-0.174	14.73	.0645	.1960	7.007	-0.092	.5587	1.415
#3	.0009	-0.068	14.73	.0641	.1952	7.001	.0018	.5575	1.396
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1915.9	4396.1	34633.	7546.8					
Stddev	5.5	11.8	56.	59.1					
%RSD	28692	26749	16082	78317					
#1	1909.6	4384.5	34691.	7493.2					
#2	1919.5	4395.7	34629.	7537.0					
#3	1918.6	4408.0	34580.	7610.2					

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Sample Name: MP31429-D1 Acquired: 1/6/2017 9:37:18 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.013	176.8	0.209	7.054	0.029	10.36	-0.033	0.223	2.329
Stddev	.0019	.2	.0009	.0039	.0001	.04	.0002	.0004	.0023
%RSD	141.5	.0995	4.238	.5471	2.039	.3987	5.794	1.758	.9796
#1	-0.002	176.7	.0218	.7097	.0029	10.32	-0.033	.0222	2.326
#2	-0.003	177.0	.0201	.7043	.0029	10.40	-0.036	.0219	2.352
#3	-0.0035	176.7	.0208	.7022	.0030	10.36	-0.032	.0227	2.307
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.034	173.9	12.27	11.31	6.927	0.043	2.009	1.177	0.918
Stddev	.0023	.2	.05	.04	.0016	.0009	.030	.0013	.0047
%RSD	6.010	.1349	4.367	.3486	.2290	21.66	1.479	1.093	5.114
#1	.0398	174.0	12.21	11.26	.6946	.0052	1.992	1.191	0.953
#2	.0397	174.2	12.32	11.32	.6919	.0034	2.043	1.173	0.865
#3	.0358	173.7	12.27	11.34	.6918	.0044	1.992	1.166	0.937
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.012	-0.112	13.66	0.542	1.520	4.724	-0.092	4.308	1.250
Stddev	.0026	.0044	.04	.0025	.0003	.012	.0081	.0015	.0007
%RSD	216.0	38.97	2.823	4.553	2.247	2.573	88.33	3.405	5.399
#1	.0023	-0.094	13.70	.0528	.1518	4.737	-0.142	4.325	1.244
#2	.0030	-0.161	13.66	.0570	.1517	4.722	.0002	4.302	1.257
#3	-0.0018	-0.080	13.62	.0527	.1523	4.713	-0.136	4.297	1.250
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1931.9	4430.9	34823.	7495.0					
Stddev	3.1	5.7	149.	45.6					
%RSD	15850	12763	42802	60839					
#1	1930.2	4425.5	34826.	7543.8					
#2	1935.5	4436.8	34672.	7487.9					
#3	1930.1	4430.3	34970.	7453.4					

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Sample Name: MP31429-SD1 Acquired: 1/6/2017 9:41:40 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	221.4	0.324	7.824	0.015	12.31	-0.078	0.210	2.823
Stddev	.0017	.1	.0162	.0074	.0007	.06	.0008	.0014	.0041
%RSD	737.0	0.237	50.05	.9519	42.27	4.785	10.18	6.727	1.459
#1	.0003	221.3	.0145	.7851	.0008	12.29	-0.073	.0194	2.833
#2	-0.0021	221.4	.0366	.7739	.0019	12.26	-0.087	.0214	2.778
#3	.0011	221.4	.0461	.7881	.0019	12.38	-0.074	.0222	2.859
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.289	204.2	13.68	13.66	8.188	-0.215	1.967	1.371	0.908
Stddev	.0029	.1	.39	.36	.0011	.0059	.175	.0005	.0266
%RSD	9.984	0.662	2.845	2.649	.1392	27.26	8.916	.3476	29.27
#1	.0286	204.3	13.70	14.06	.8199	-0.283	2.089	1.367	1.117
#2	.0319	204.0	14.06	13.38	.8177	-0.182	2.046	1.376	1.069
#3	.0262	204.1	13.28	13.53	.8189	-0.181	1.766	1.369	0.998
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.050	-0.249	13.83	0.505	1.741	6.240	-0.410	5.040	1.433
Stddev	.0273	.0170	.02	.0050	.0008	.017	.0220	.0074	.0008
%RSD	544.5	68.01	1.140	9.824	4.518	2.744	53.50	1.478	5.734
#1	-0.202	-0.300	13.81	.0542	.1733	6.222	-0.640	4.978	1.432
#2	-0.213	-0.388	13.83	.0448	.1749	6.256	-0.388	5.123	1.425
#3	.0265	-0.060	13.84	.0523	.1741	6.242	-0.203	5.020	1.442
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1982.2	4510.1	35479.	7640.3					
Stddev	3.9	6.2	150.	52.5					
%RSD	19846	13697	42398	68756					
#1	1982.2	4511.6	35445.	7696.9					
#2	1986.1	4515.3	35643.	7630.8					
#3	1978.2	4503.3	35348.	7593.1					

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Sample Name: MP31429-PS1 Acquired: 1/6/2017 9:46:06 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0465	214.8	1.294	1.030	0.570	17.47	0.090	0.781	3.254
Stddev	.0010	.1	.0024	.002	.0004	.10	.0003	.0003	.0018
%RSD	2.130	0.672	1.829	1.695	.7739	5.503	6.342	3.781	5.673
#1	.0454	214.7	1.285	1.031	.0569	17.45	.0491	.0784	3.237
#2	.0473	214.9	1.321	1.032	.0566	17.38	.0492	.0782	3.251
#3	.0468	214.7	1.276	1.028	.0574	17.57	.0486	.0778	3.274
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.486	196.7	23.57	17.90	8.499	1.118	12.37		

Sample Name: MP31429-S1 Acquired: 1/6/2017 9:50:28 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0468	215.1	1.728	2.573	.0501	34.56	.0493	.4790	.4118
Stddev	.0011	.4	.005	.005	.0001	.18	.0005	.0003	.0009
%RSD	2.290	.1681	.2983	.1968	.2977	.5219	1.101	.0689	.2279
#1	.0457	214.8	1.734	2.567	.0502	34.42	.0492	.4794	.4128
#2	.0469	214.9	1.723	2.576	.0502	34.50	.0488	.4789	.4116
#3	.0478	215.5	1.727	2.574	.0499	34.76	.0499	.4788	.4110
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.2719	187.4	33.51	33.94	1.117	4.260	25.21	.5908	.5715
Stddev	.0020	.6	.19	.21	.004	.0023	.09	.0016	.0003
%RSD	.7292	.3200	.5640	.6191	.3090	.5352	.3456	.2707	.0566
#1	.2723	187.2	33.46	33.87	1.121	4.237	25.17	.5906	.5713
#2	.2697	187.0	33.35	33.78	1.117	4.282	25.31	.5925	.5719
#3	.2736	188.1	33.72	34.18	1.115	4.262	25.15	.5893	.5713
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.1362	1.724	13.53	.5403	.6313	4.706	1.952	.8506	.6762
Stddev	.0036	.004	.03	.0049	.0013	.012	.002	.0033	.0004
%RSD	2.660	.2467	.2104	.9109	.1992	.2562	.1085	.3864	.0606
#1	1.1343	1.726	13.52	.5378	.6319	4.716	1.954	.8480	.6766
#2	1.1404	1.719	13.57	.5372	.6320	4.708	1.950	.8543	.6759
#3	1.1339	1.727	13.52	.5460	.6298	4.693	1.951	.8495	.6760
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1909.5	4427.7	3452.9	7460.8					
Stddev	6.4	10.1	71.	46.6					
%RSD	.33384	.22872	.20487	.62423					
#1	1902.8	4431.3	3447.3	7474.2					
#2	1910.2	4416.3	3460.8	7499.2					
#3	1915.5	4435.6	3450.6	7409.0					

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Sample Name: MP31429-S2 Acquired: 1/6/2017 9:54:46 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0435	216.1	1.624	2.445	.0476	33.20	.0462	.4504	.4026
Stddev	.0006	.2	.006	.002	.0003	.05	.0006	.0010	.0013
%RSD	1.411	.0836	.3467	.0838	.6373	.1428	1.220	.2225	.3342
#1	.0429	216.1	1.628	2.447	.0479	33.15	.0469	.4507	.4032
#2	.0442	216.3	1.627	2.443	.0474	33.24	.0461	.4493	.4010
#3	.0435	216.0	1.618	2.445	.0474	33.21	.0458	.4512	.4035
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.2545	186.9	31.88	32.90	1.080	.3983	23.56	.5613	.5469
Stddev	.0020	.2	.22	.25	.002	.0016	.01	.0004	.0012
%RSD	.7816	.1314	.6866	.7483	.2083	.4125	.0385	.0735	.2200
#1	.2549	186.7	31.67	32.98	1.081	.3990	23.57	.5613	.5470
#2	.2563	187.2	31.87	32.63	1.078	.3964	23.56	.5617	.5456
#3	.2524	186.8	32.10	33.11	1.082	.3995	23.55	.5609	.5480
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.1140	1.635	14.21	.5061	.5927	4.891	1.844	.8139	.6410
Stddev	.0048	.006	.04	.0031	.0002	.008	.002	.0008	.0011
%RSD	4.202	.3587	.2584	.6201	.0320	.1654	.0900	.0928	.1658
#1	1.1187	1.642	14.24	.5067	.5930	4.901	1.845	.8144	.6403
#2	1.1141	1.631	14.17	.5090	.5926	4.888	1.842	.8143	.6405
#3	1.092	1.632	14.20	.5028	.5927	4.885	1.846	.8130	.6422
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1925.9	4475.9	3500.5	7498.5					
Stddev	6.5	13.9	57.	9.9					
%RSD	.33542	.30978	.16378	.13207					
#1	1922.8	4469.6	3494.0	7509.9					
#2	1933.4	4491.8	3502.3	7491.9					
#3	1921.7	4466.3	3505.0	7493.8					

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7.1
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Sample Name: FA38934-3R Acquired: 1/6/2017 9:59:02 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0006	312.7	.0392	1.047	.0056	10.02	-.0044	.0439	.4306
Stddev	.0025	1.2	.0056	.003	.0001	.05	.0004	.0005	.0010
%RSD	415.1	.3725	14.39	.2419	1.789	.4717	8.949	1.132	.2231
#1	-.0019	312.9	.0387	1.049	.0055	10.00	-.0043	.0435	.4308
#2	-.0022	313.8	.0339	1.047	.0057	10.07	-.0048	.0438	.4315
#3	.0023	311.5	.0451	1.044	.0056	9.986	-.0040	.0445	.4296
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0530	264.5	15.30	14.09	.7337	.0089	2.996	.2545	.0953
Stddev	.0007	1.0	.21	.05	.0015	.0013	.027	.0003	.0050
%RSD	1.268	.3654	1.350	.3285	.2052	14.52	.8888	.1339	5.240
#1	.0538	264.6	15.11	14.09	.7333	.0076	3.025	.2545	.0994
#2	.0525	265.4	15.52	14.05	.7353	.0090	2.972	.2541	.0897
#3	.0527	263.5	15.28	14.14	.7324	.0102	2.993	.2548	.0968
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0023	-.0183	14.73	.0650	.1504	8.937	-.0049	.6854	.1350
Stddev	.0029	.0029	.06	.0007	.0004	.009	.0040	.0009	.0005
%RSD	129.0	15.94	.4178	1.065	.2742	.0961	81.07	.1249	.3906
#1	.0057	-.0182	14.71	.0643	.1500	8.928	-.0038	.6844	.1344
#2	.0009	-.0213	14.68	.0656	.1508	8.945	-.0016	.6857	.1354
#3	.0003	-.0154	14.80	.0652	.1502	8.938	-.0094	.6860	.1351
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1917.5	4465.2	3471.4	7504.8					
Stddev	4.4	12.2	28.	12.4					
%RSD	.22864	.27301	.07963	.16574					
#1	1915.6	4467.4	3469.3	7494.0					
#2	1922.6	4476.2	3474.6	7502.0					
#3	1914.5	4452.1	3470.5	7518.4					

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Sample Name: FA38934-5R Acquired: 1/6/2017 10:03:23 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	199.1	.0263	.8167	.0034	13.92	-.0035	.0240	.2626
Stddev	.0007	.2	.0049	.0043	.0001	.04	.0002	.0007	.0006
%RSD	393.8	.1036	18.48	.5247	4.031	.2728	4.416	2.974	.2313
#1	-.0004	199.0	.0252	.8188	.0035	13.87	-.0036	.0244	.2633
#2	.0009	199.4	.0317	.8195	.0032	13.94	-.0033	.0245	.2623
#3	.0000	199.0	.0222	.8118	.0034	13.93	-.0034	.0232	.2623
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0454	190.8	13.48	13.23	.7683	.0062	2.106	.1333	.1369
Stddev	.0011	.3	.12	.12	.0014	.0003	.013	.0007	.0042
%RSD	2.400	.1708	.8920	.9270	.1786	4.278	.6139	.5112	3.056
#1	.0444	191.1	13.38	13.23	.				

Sample Name: CCV Acquired: 1/6/2017 10:07:46 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2532	40.54	1.973	2.045	2.036	41.90	2.008	2.013	2.030
Stddev	.0006	.08	.005	.001	.003	.12	.004	.004	.002
%RSD	.2362	.2002	.2401	.0684	.1655	.2827	.1920	.2193	.1092
#1	.2527	40.46	1.968	2.044	2.032	41.77	2.003	2.008	2.030
#2	.2538	40.62	1.976	2.046	2.039	42.00	2.010	2.015	2.028
#3	.2531	40.55	1.975	2.044	2.036	41.91	2.010	2.017	2.032

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.001	40.95	39.91	41.68	2.037	2.020	40.07	1.994	1.987
Stddev	.004	.13	.13	.17	.002	.006	.08	.003	.004
%RSD	.2056	.3207	.3277	.4011	.0906	.2768	.2101	.1569	.2151
#1	2.003	40.82	39.76	41.51	2.039	2.013	39.97	1.990	1.987
#2	2.004	41.08	39.99	41.85	2.035	2.021	40.11	1.995	1.991
#3	1.996	40.95	39.99	41.68	2.038	2.024	40.12	1.996	1.982

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.962	1.987	1.922	2.042	2.022	1.999	1.986	1.987	2.059
Stddev	.005	.007	.006	.004	.005	.003	.004	.003	.004
%RSD	.2744	.3604	.3386	.1729	.2393	.1314	.1877	.1328	.1776
#1	1.956	1.979	1.915	2.038	2.017	2.002	1.982	1.990	2.055
#2	1.967	1.993	1.926	2.042	2.025	1.998	1.987	1.985	2.060
#3	1.964	1.988	1.925	2.045	2.025	1.997	1.990	1.986	2.063

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 1/6/2017 10:07:46 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1842.2	4367.6	34538.	7395.1
Stddev	4.7	12.9	43.	42.6
%RSD	.25477	.29630	.12535	.57651
#1	1846.9	4382.2	34511.	7444.3
#2	1842.1	4357.4	34515.	7370.3
#3	1837.5	4363.3	34588.	7370.7

Sample Name: CCB Acquired: 1/6/2017 10:11:57 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0136	.0000	.0000	.0000	.0065	.0001	.0001	-0.0001
Stddev	.0002	.0052	.0005	.000	.0000	.0024	.0000	.0002	.0003
%RSD	15500.	38.25	3280.	1334.	22.26	36.65	86.96	151.0	486.9
#1	-.0002	.0089	-.0003	-.0001	.0000	.0082	.0001	.0003	.0002
#2	.0000	.0192	-.0002	.0001	.0000	.0038	.0000	.0000	-.0004
#3	.0002	.0128	.0005	.0000	.0000	.0074	.0000	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	.0023	-0.0151	.0075	.0000	.0008	-0.0012	.0000	.0000
Stddev	.0001	.0022	.0314	.0060	.0000	.0004	.0023	.0001	.0005
%RSD	14.63	92.27	208.8	80.07	131.9	54.51	183.9	664.5	1244.
#1	-.0005	.0047	-.0225	.0110	.0000	.0012	.0005	.0001	.0003
#2	-.0005	.0004	.0194	.0006	.0000	.0008	-.0038	.0000	.0003
#3	-.0006	.0019	-.0421	.0110	.0001	.0004	-.0004	-.0001	-.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	-0.0001	.0005	.0003	.0000	-0.0001	.0006	.0003	-0.0002
Stddev	.0005	.0010	.0010	.0002	.0000	.0000	.0012	.0002	.0000
%RSD	501.4	750.2	189.9	61.07	1160.	37.03	187.2	65.96	13.33
#1	.0003	-.0012	.0008	.0001	.0000	-.0001	.0020	.0001	-.0002
#2	-.0007	.0007	-.0006	.0005	.0000	-.0001	-.0004	.0002	-.0002
#3	.0001	.0001	.0013	.0003	.0000	.0000	.0004	.0005	-.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 1/6/2017 10:11:57 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1994.0	4514.6	35241.	7571.5
Stddev	1.7	2.2	34.	13.1
%RSD	.08293	.04813	.09664	.17306
#1	1992.5	4512.8	35224.	7561.1
#2	1995.8	4514.0	35217.	7586.2
#3	1993.5	4517.0	35280.	7567.1

Sample Name: FA38934-6R Acquired: 1/6/2017 10:16:29 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	266.0	0.345	9.007	0.050	7.981	-0.042	0.378	3.638
Stddev	0.013	1.1	0.032	0.004	0.003	0.044	0.002	0.003	0.024
%RSD	263.9	4.220	9.199	0.425	5.753	5.516	5.411	7.600	6.707
#1	-0.018	267.3	0.324	9.006	0.050	8.014	-0.043	0.377	3.634
#2	-0.005	265.6	0.382	9.011	0.053	7.996	-0.043	0.375	3.664
#3	0.008	265.1	0.330	9.004	0.047	7.931	-0.039	0.381	3.615
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	0.384	231.6	13.22	12.00	5.909	0.095	2.566	2.200	0.732
Stddev	0.009	6	0.05	0.05	0.024	0.007	0.32	0.018	0.059
%RSD	2.325	2.773	3.428	3.778	3.990	7.573	1.241	8.229	8.119
#1	0.374	232.3	13.24	11.98	5.925	0.089	2.601	2.179	0.663
#2	0.391	231.2	13.24	11.98	5.882	0.092	2.538	2.208	0.762
#3	0.386	231.2	13.16	12.06	5.919	0.103	2.559	2.213	0.770
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	0.021	-0.129	14.00	0.545	1.266	7.119	-0.094	5.828	-1.154
Stddev	0.027	0.043	0.04	0.013	0.008	0.005	0.096	0.036	0.009
%RSD	127.7	33.16	2.970	2.371	0.6631	0.642	101.9	6.207	7.757
#1	-0.009	-0.171	13.97	0.547	1.272	7.122	-0.060	5.868	-1.152
#2	0.029	-0.131	14.04	0.531	1.269	7.121	-0.202	5.798	-1.146
#3	0.043	-0.086	13.98	0.556	1.256	7.114	-0.019	5.817	-1.164
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1924.8	4465.3	3483.1	7477.6					
Stddev	6.6	18.5	120	42.9					
%RSD	3.4109	4.1402	3.4511	5.7365					
#1	1918.4	4457.9	3472.2	7490.8					
#2	1924.4	4451.7	3481.2	7429.6					
#3	1931.5	4486.4	3496.0	7512.3					

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Sample Name: FA38934-8R Acquired: 1/6/2017 10:20:51 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.008	220.2	0.259	8.408	0.038	16.68	-0.039	0.250	2.783
Stddev	0.012	1	0.051	0.023	0.001	0.08	0.002	0.004	0.005
%RSD	148.2	0.588	19.54	2.703	2.262	5.051	3.949	1.582	1.732
#1	-0.002	220.3	0.313	8.404	0.037	16.77	-0.039	0.250	2.778
#2	0.022	220.3	0.212	8.388	0.038	16.62	-0.041	0.247	2.788
#3	0.004	220.1	0.253	8.432	0.038	16.64	-0.038	0.254	2.783
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	0.358	198.0	14.83	13.72	8.411	0.067	2.594	1.450	0.725
Stddev	0.019	1	0.07	0.11	0.016	0.002	0.24	0.013	0.043
%RSD	5.332	0.555	4.582	8.156	1.906	2.562	9.118	8.946	5.878
#1	0.347	198.1	14.89	13.60	8.400	0.069	2.613	1.464	0.690
#2	0.348	198.0	14.84	13.82	8.404	0.065	2.568	1.438	0.772
#3	0.380	197.9	14.76	13.75	8.430	0.066	2.603	1.448	0.712
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	0.045	-0.185	6.254	0.587	2.273	6.388	-0.082	5.035	1.203
Stddev	0.037	0.082	0.10	0.012	0.011	0.11	0.075	0.014	0.002
%RSD	82.26	44.61	1.538	2.031	4.717	1.719	91.30	2.731	1.652
#1	0.088	-0.099	6.250	0.578	2.264	6.376	-0.155	5.020	1.201
#2	0.024	-0.192	6.247	0.584	2.285	6.398	-0.005	5.044	1.204
#3	0.023	-0.263	6.265	0.601	2.270	6.389	-0.088	5.043	1.205
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1927.9	4493.9	3472.9	7461.9					
Stddev	2.9	2.0	130	22.8					
%RSD	1.4828	0.4463	3.7299	3.0613					
#1	1927.1	4493.2	3460.6	7445.9					
#2	1931.0	4496.1	3486.5	7451.8					
#3	1925.5	4492.3	3471.6	7488.1					

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7.1
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Sample Name: FA38934-9R Acquired: 1/6/2017 10:25:12 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.007	271.0	0.347	5.969	0.035	9.070	-0.046	0.319	3.378
Stddev	0.002	1.2	0.042	0.047	0.002	0.051	0.002	0.004	0.029
%RSD	23.29	4.516	12.04	7.907	6.514	5.578	5.230	1.345	8.520
#1	-0.007	272.4	0.377	6.017	0.037	9.122	-0.044	0.315	3.360
#2	-0.005	270.1	0.364	5.923	0.033	9.020	-0.047	0.319	3.411
#3	-0.008	270.5	0.299	5.968	0.036	9.067	-0.049	0.324	3.363
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	0.348	232.1	13.05	12.55	4.788	0.064	2.759	2.161	0.773
Stddev	0.003	9	0.11	0.16	0.010	0.008	0.48	0.013	0.007
%RSD	7.780	3.669	8.587	1.266	2.018	12.07	1.750	6.023	9.040
#1	0.348	233.1	12.98	12.50	4.786	0.065	2.790	2.146	0.770
#2	0.345	231.5	13.18	12.72	4.779	0.056	2.703	2.169	0.781
#3	0.351	231.8	13.00	12.42	4.798	0.071	2.783	2.169	0.768
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.038	-0.243	5.567	0.532	1.713	6.258	-0.077	5.592	1.155
Stddev	0.042	0.069	0.14	0.015	0.007	0.003	0.048	0.006	0.004
%RSD	110.2	28.37	2.462	2.870	3.884	0.436	62.97	1.042	3.794
#1	0.026	-0.164	5.552	0.549	1.720	6.261	-0.022	5.598	1.150
#2	0.084	-0.286	5.571	0.530	1.710	6.257	-0.094	5.592	1.155
#3	0.004	-0.280	5.578	0.518	1.708	6.256	-0.114	5.586	1.159
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1937.0	4530.1	3478.3	7362.3					
Stddev	6.4	11.6	45	53.6					
%RSD	3.3131	2.5662	1.2940	7.2748					
#1	1943.0	4543.5	3478.4	7304.6					
#2	1930.3	4524.5	3473.7	7371.7					
#3	1937.7	4522.3	3482.7	7410.5					

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Sample Name: FA38934-11R Acquired: 1/6/2017 10:29:34 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.019	226.6	0.274	1.064	0.043	13.47	-0.037	0.344	3.027
Stddev	0.015	1.0	0.014	0.04	0.004	0.07	0.003	0.000	0.010
%RSD	82.49	4.565	5.152	3.337	8.405	5.347	7.515	0.287	3.150
#1	-0.001	225.7	0.264	1.060	0.045	13.41	-0.040	0.344	3.025
#2	-0.025	227.7	0.290	1.067	0.046	13.55	-0.034	0.344	3.037
#3	-0.030	226.3	0.269	1.065	0.039	13.45	-0.038	0.344	3.018
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.421	2							

Sample Name: FA38934-12R Acquired: 1/6/2017 10:33:56 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.010	211.1	.0295	.9593	.0036	9.617	-0.038	.0270	.2933
Stddev	.0008	.6	.0012	.0006	.0004	.072	.0000	.0004	.0018
%RSD	84.06	.2972	4.025	.0589	10.86	.7532	.7290	1.553	.6234
#1	-.0001	210.6	.0290	.9586	.0034	9.550	-.0038	.0274	.2951
#2	-.0013	211.8	.0309	.9596	.0034	9.694	-.0038	.0266	.2915
#3	-.0017	211.1	.0287	.9596	.0041	9.607	-.0037	.0270	.2933
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.0289	182.4	12.69	11.27	.5803	.0035	2.234	.1685	.0568
Stddev	.0019	.8	.15	.15	.0015	.0011	.025	.0003	.0033
%RSD	6.471	.4190	1.184	1.304	.2611	30.28	1.121	.1508	5.785
#1	.0270	181.6	12.86	11.14	.5819	.0035	2.224	.1684	.0535
#2	.0307	183.1	12.58	11.43	.5802	.0024	2.215	.1683	.0601
#3	.0289	182.6	12.64	11.26	.5789	.0046	2.262	.1688	.0569
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0006	-0.0156	5.253	.0487	.1551	5.866	-0.093	.4512	.1095
Stddev	.0032	.0100	.025	.0027	.0003	.023	.0079	.0002	.0006
%RSD	546.3	64.37	4.742	5.580	2.177	38.49	85.04	.0440	.5110
#1	.0007	-.0050	5.253	.0507	.1551	5.891	-.0066	.4511	.1091
#2	.0038	-.0168	5.228	.0498	.1547	5.860	-.0182	.4510	.1102
#3	-.0027	-.0250	5.278	.0456	.1554	5.848	-.0031	.4514	.1094
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1917.7	4456.5	34702.	7391.8					
Stddev	4.6	22.9	142.	45.0					
%RSD	.24131	.51314	.40999	.60920					
#1	1916.7	4452.2	34551.	7431.6					
#2	1922.8	4481.3	34722.	7342.9					
#3	1913.7	4436.1	34834.	7400.8					

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Sample Name: FA38934-18R Acquired: 1/6/2017 10:38:18 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.009	208.2	.0259	2.623	.0043	55.12	-0.026	.0444	.2983
Stddev	.0011	.6	.0037	.005	.0001	.30	.0002	.0004	.0011
%RSD	132.3	.2701	14.23	.1959	2.475	.5472	6.447	.8489	.3630
#1	-.0008	208.8	.0299	2.621	.0043	55.45	-.0026	.0448	.2982
#2	-.0002	207.9	.0226	2.619	.0042	54.85	-.0024	.0442	.2972
#3	-.0020	207.8	.0253	2.629	.0044	55.07	-.0027	.0441	.2994
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.6556	201.8	17.60	18.98	5.645	.0046	2.198	.1869	3.195
Stddev	.0015	.7	.03	.22	.020	.0006	.021	.0003	.015
%RSD	.2273	.3702	.1615	1.175	.3545	12.59	.9752	.1341	.4665
#1	.6539	202.7	17.60	19.13	5.668	.0047	2.206	.1867	3.186
#2	.6566	201.4	17.57	19.08	5.638	.0051	2.213	.1868	3.186
#3	.6564	201.4	17.63	18.72	5.630	.0040	2.173	.1871	3.212
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0102	-0.0218	6.161	.0606	.7884	5.646	-0.044	.4769	.3634
Stddev	.0063	.0044	.002	.0018	.0020	.013	.0064	.0002	.0011
%RSD	61.97	20.28	0.276	2.983	2.558	2.272	144.4	0.0360	2.919
#1	.0074	-.0188	6.162	.0618	.7903	5.658	-.0026	.4768	.3635
#2	.0174	-.0197	6.159	.0613	.7885	5.647	-.0115	.4768	.3623
#3	.0057	-.0268	6.163	.0585	.7863	5.633	.0009	.4771	.3644
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1922.7	4481.8	34785.	7453.3					
Stddev	4.0	8.8	146.	51.9					
%RSD	.20563	.19724	.42055	.69595					
#1	1918.2	4474.7	34939.	7394.2					
#2	1925.4	4478.9	34766.	7474.2					
#3	1924.5	4491.7	34648.	7491.4					

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7.1
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Sample Name: FA32306-33R Acquired: 1/6/2017 10:42:39 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.009	205.5	.0316	.5308	.0032	7.519	-0.039	.0224	.2530
Stddev	.0015	1.0	.0061	.0026	.0003	.015	.0001	.0002	.0018
%RSD	163.8	.4825	19.33	.4817	8.001	.1927	1.852	.6796	.7010
#1	.0000	206.4	.0249	.5282	.0034	7.535	-.0040	.0226	.2510
#2	-.0001	204.4	.0369	.5309	.0032	7.506	-.0039	.0223	.2544
#3	-.0026	205.5	.0328	.5333	.0029	7.515	-.0039	.0223	.2537
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(In2306)
Avg	.0573	172.9	11.60	9.876	.4561	.0053	1.943	.1373	.3265
Stddev	.0010	.9	.13	.093	.0002	.0003	.011	.0003	.0057
%RSD	1.823	.5237	1.125	.9423	.0384	5.349	.5635	.2304	1.752
#1	.0582	173.9	11.60	9.983	.4563	.0050	1.950	.1375	.3267
#2	.0576	172.1	11.73	9.813	.4561	.0053	1.948	.1369	.3206
#3	.0562	172.9	11.47	9.831	.4560	.0056	1.930	.1373	.3321
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0054	-0.0167	6.149	.0625	.1186	5.438	-0.0164	.4354	.1077
Stddev	.0012	.0028	.008	.0011	.0009	.011	.0067	.0026	.0001
%RSD	22.04	16.73	.1309	1.823	.7460	.2015	40.69	.5934	.1223
#1	.0068	-.0152	6.141	.0632	.1196	5.451	-.0184	.4356	.1075
#2	.0046	-.0150	6.157	.0612	.1182	5.434	-.0218	.4379	.1078
#3	.0048	-.0200	6.150	.0632	.1180	5.430	-.0089	.4327	.1078
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1939.4	4514.9	34812.	7367.1					
Stddev	2.3	5.8	85.	27.0					
%RSD	.11620	.12785	.24496	.36612					
#1	1937.1	4508.4	34910.	7339.3					
#2	1941.6	4519.2	34757.	7393.2					
#3	1939.5	4517.1	34769.	7368.8					

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Sample Name: MP31429-D2 Acquired: 1/6/2017 10:47:03 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	206.3	.0232	.7677	.0034	11.84	-0.039	.0244	.2619
Stddev	.0015	.5	.0036	.0042	.0003	.06	.0001	.0011	.0012
%RSD	246.5	.2191	15.55	.5468	9.129	.5167	1.923	4.530	.4737
#1	-.0015	206.8	.0252	.7719	.0033	11.78	-.0039	.0236	.2621
#2	-.0011	206.4	.0190	.7677	.0038	11.90	-.0039	.0239	.2630
#3	-.0014	205.9	.0253	.7635	.0032	11.83	-.0040	.0256	.2606
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.0384	189.9	13.37	12.87	.7451	.0049	2.148	.1327	.0900
Stddev	.0007	.3	.10	.08	.0008	.0009			

Sample Name: FA40004-4 Acquired: 1/6/2017 10:56:07 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 4.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	1.546	.0108	.0407	-0.0004	1134.	-0.0008	.0009	.0071
Stddev	.0024	.029	.0012	.0005	.0001	6.	.0001	.0005	.0014
%RSD	1452.	1.901	10.84	1.286	28.52	.5130	17.95	49.47	20.35
#1	-.0018	1.525	.0095	.0409	-.0006	1139.	-.0007	.0011	.0085
#2	-.0006	1.579	.0114	.0401	-.0004	1128.	-.0008	.0004	.0073
#3	.0028	1.533	.0116	.0410	-.0003	1136.	-.0010	.0013	.0056

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0061	.9562	1.852	7.450	.4314	-0.0031	28.02	.0011	-0.0017
Stddev	.0007	.0084	.029	.010	.0009	.0003	.12	.0002	.0027
%RSD	11.90	.8805	1.568	.1351	.2099	8.824	.4334	18.89	160.1
#1	-.0053	.9581	1.883	7.441	.4323	-.0034	28.13	.0013	-.0047
#2	-.0062	.9470	1.849	7.447	.4312	-.0028	28.04	.0010	-.0003
#3	-.0067	.9635	1.825	7.461	.4305	-.0032	27.89	.0009	.0001

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0002	.0102	3.316	.0002	17.04	.0357	-0.0035	.0014	.0154
Stddev	.0019	.0068	.056	.0013	.03	.0014	.0036	.0005	.0003
%RSD	901.8	66.71	1.684	839.3	.1961	3.826	103.5	35.23	2.159
#1	.0023	.0050	3.380	.0004	17.02	.0360	-.0003	.0013	.0155
#2	-.0013	.0077	3.277	.0013	17.01	.0368	-.0027	.0020	.0150
#3	-.0004	.0178	3.292	-.0013	17.07	.0342	-.0074	.0011	.0156

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1838.7	4232.4	3392.3	7220.5
Stddev	.6	7.0	90.	39.3
%RSD	.03455	.16462	.26421	.54467
#1	1838.0	4238.8	3383.0	7223.8
#2	1838.8	4233.3	3393.0	7258.0
#3	1839.3	4225.0	3400.9	7179.6

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Sample Name: CCV Acquired: 1/6/2017 11:00:51 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2562	41.29	1.955	2.098	2.050	42.90	1.999	2.022	2.036
Stddev	.0002	.14	.002	.002	.005	.18	.001	.001	.003
%RSD	.0903	.3449	.0827	.1070	.2367	.4199	.0626	.0665	.1589
#1	.2564	41.43	1.956	2.097	2.054	42.94	2.000	2.024	2.037
#2	.2562	41.28	1.953	2.101	2.051	43.05	1.997	2.021	2.039
#3	.2559	41.15	1.956	2.098	2.045	42.70	1.999	2.022	2.033

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.022	41.39	40.25	42.32	2.031	2.031	40.31	1.976	1.982
Stddev	.010	.12	.13	.21	.006	.000	.08	.001	.007
%RSD	.5112	.2865	.3222	.4848	.2808	.0147	.2055	.0501	.3334
#1	2.028	41.45	40.39	42.44	2.035	2.032	40.41	1.977	1.978
#2	2.028	41.46	40.15	42.44	2.025	2.031	40.28	1.976	1.979
#3	2.010	41.25	40.20	42.08	2.034	2.032	40.25	1.976	1.990

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.956	1.994	1.919	2.064	2.028	1.989	1.980	1.975	2.088
Stddev	.002	.007	.001	.001	.004	.005	.006	.004	.002
%RSD	.0816	.3403	.0593	.0423	.2184	.2637	.2936	.1960	.0971
#1	1.958	1.997	1.920	2.064	2.033	1.994	1.976	1.980	2.086
#2	1.956	1.998	1.920	2.065	2.026	1.983	1.978	1.972	2.088
#3	1.955	1.986	1.918	2.063	2.024	1.989	1.987	1.975	2.090

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Sample Name: CCV Acquired: 1/6/2017 11:00:51 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1825.4	4349.4	3425.9	7288.2
Stddev	3.7	2.0	102.	40.2
%RSD	.20201	.04602	.29881	.55089
#1	1829.3	4348.4	3420.8	7271.8
#2	1824.8	4348.1	34192.	7259.0
#3	1822.0	4351.7	34377.	7334.0

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Sample Name: CCB Acquired: 1/6/2017 11:05:03 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0062	.0007	.0001	.0000	.0087	.0001	.0002	.0002
Stddev	.0001	.0050	.0006	.0002	.0000	.0017	.0001	.0001	.0001
%RSD	119.7	80.81	90.69	270.9	175.5	19.36	80.91	37.82	44.03
#1	.0000	.0092	.0000	.0002	.0000	.0072	.0002	.0002	.0001
#2	.0000	.0089	.0010	.0001	.0000	.0084	.0000	.0002	.0003
#3	.0003	.0004	.0011	-.0001	.0001	.0105	.0001	.0001	.0001

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0007	.0026	.0130	.0040	.0002	.0008	.0122	.0000	.0003
Stddev	.0001	.0028	.0035	.0112	.0000	.0005	.0012	.000	.0004
%RSD	19.13	105.5	26.52	284.1	14.16	54.05	10.05	1780.	148.8
#1	-.0006	.0053	.0108	-.0069	.0002	.0014	.0131	.0003	.0007
#2	-.0008	.0028	.0170	.0156	.0002	.0006	.0108	-.0001	-.0002
#3	-.0008	-.0002	.0112	.0032	.0002	.0006	.0126	-.0002	.0003

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0001	.0015	.0002	.0001	.0000	-.0013	.0002	.0000
Stddev	.0002	.0023	.0004	.0004	.0000	.0001	.0013	.0001	.000
%RSD	47.25	3095.	27.82	191.5	32.13	602.9	103.0	40.69	387.6
#1	.0006	.0018	.0012	.0001	.0001	.0001	-.0007	.0002	.0001
#2	.0002	.0009	.0020	-.0001	.0002	-.0001	-.0028	.0003	.0000
#3	.0006	-.0025	.0014	.0006	.0001	.0000	-.0004	.0002	-.0001

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Sample Name: CCB Acquired: 1/6/2017 11:05:03 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1975.5	4484.0	35024.	7467.3
Stddev	3.2	10.9	124.	41.4
%RSD	.15989	.24196	.35395	.55432
#1	1977.7	4484.0	34884.	7512.8
#2	1977.0	4494.9	35066.	7457.3
#3	1971.9	4473.2	35121.	7431.9

Sample Name: FA39868-1 Acquired: 1/6/2017 11:09:34 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.007	24.49	.0290	.1119	.0011	2218.	-0.003	.0061	.0801
Stddev	.0027	.19	.0074	.0008	.0003	22.	.0002	.0004	.0010
%RSD	395.5	.7645	25.51	.6878	24.79	.9952	80.95	6.867	1.254
#1	.0022	24.70	.0205	.1116	.0008	2235.	-0.006	.0066	.0811
#2	-0.0031	24.34	.0329	.1113	.0013	2193.	-0.001	.0057	.0791
#3	-0.0011	24.43	.0336	.1128	.0012	2225.	-0.002	.0060	.0802
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0057	34.43	3.871	26.36	.5349	.0000	27.75	.0125	.0168
Stddev	.0008	.11	.024	.17	.0007	.001	.07	.0009	.0043
%RSD	14.10	.3102	.6107	.6555	.1329	940.1	.2375	7.207	25.43
#1	.0051	34.55	3.861	26.56	.5356	.0005	27.73	.0115	.0119
#2	.0066	34.34	3.898	26.23	.5342	-0.002	27.82	.0133	.0190
#3	.0054	34.40	3.854	26.30	.5349	-0.004	27.69	.0128	.0196
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0010	.0083	17.36	.0220	13.27	.5224	.0066	.0602	.0751
Stddev	.0039	.0056	.02	.0015	.09	.0010	.0065	.0009	.0003
%RSD	403.6	67.45	.0893	6.650	.6677	.2005	99.65	1.483	.4039
#1	.0048	.0023	17.35	.0228	13.37	.5235	.0002	.0610	.0747
#2	.0009	.0091	17.38	.0229	13.24	.5220	.0062	.0592	.0752
#3	-0.0029	.0134	17.36	.0203	13.20	.5215	.0133	.0604	.0753
Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710					
Avg	1774.5	4294.2	34511.	7364.9					
Stddev	4.6	8.4	107.	39.5					
%RSD	.25866	.19640	.30976	.53624					
#1	1772.9	4293.1	34448.	7330.9					
#2	1779.7	4303.1	34634.	7408.2					
#3	1771.0	4286.3	34451.	7355.7					

7.1
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Sample Name: MP31439-MB1 Acquired: 1/6/2017 11:14:19 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	.0102	-0.0008	.0070	-0.0001	.0573	-0.0003	-0.0005	.0007
Stddev	.0003	.0103	.0004	.0002	.0000	.0037	.0001	.0000	.0003
%RSD	116.5	100.5	54.68	2.471	29.13	6.393	21.81	6.447	47.40
#1	.0001	-0.0007	-0.0003	.0071	-0.0001	.0606	-0.0003	-0.0005	.0005
#2	-0.0003	.0198	-0.0010	.0070	-0.0002	.0580	-0.0002	-0.0004	.0005
#3	-0.0005	.0116	-0.0012	.0068	-0.0001	.0533	-0.0004	-0.0005	.0010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0028	.0220	.0382	.0046	.0002	-0.0010	.0336	-0.0006	-0.0023
Stddev	.0001	.0012	.0021	.0220	.0000	.0002	.0079	.0002	.0007
%RSD	2.869	5.475	5.592	474.6	18.56	15.31	23.48	43.75	29.88
#1	.0028	.0229	.0357	.0292	.0002	-0.0011	.0325	-0.0008	-0.0024
#2	.0027	.0225	.0390	-0.0023	.0003	-0.0008	.0420	-0.0003	-0.0015
#3	.0028	.0206	.0397	-0.0131	.0002	-0.0010	.0263	-0.0007	-0.0028

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	-0.0006	13.69	.0235	.0001	.0034	-0.0020	-0.0003	.0025
Stddev	.0003	.0031	.03	.0005	.0000	.0002	.0013	.0002	.0001
%RSD	58.30	511.6	.2476	1.985	22.16	4.689	67.83	89.17	4.632
#1	-0.0002	.0027	13.72	.0237	.0001	.0035	-0.0004	.0000	.0026
#2	-0.0005	-0.0036	13.66	.0238	.0002	.0035	-0.0026	-0.0002	.0026
#3	-0.0009	-0.0009	13.68	.0230	.0002	.0032	-0.0029	-0.0005	.0024

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP31439-MB1 Acquired: 1/6/2017 11:14:19 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1933.3	4430.7	34311.	7310.9
Stddev	.7	6.0	179.	35.5
%RSD	.03593	.13509	.52092	.48504
#1	1932.6	4423.8	34109.	7270.2
#2	1934.0	4434.7	34375.	7335.1
#3	1933.4	4433.7	34449.	7327.4

Sample Name: MP31439-B1 Acquired: 1/6/2017 11:18:50 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0492	29.36	2.019	2.260	.0551	28.43	.0514	.5240	.2148
Stddev	.0010	.09	.002	.007	.0002	.15	.0000	.0004	.0008
%RSD	1.983	.2949	.1013	.2936	.3900	.5137	.0635	.0853	.3632
#1	.0496	29.45	2.020	2.266	.0553	28.58	.0515	.5243	.2157
#2	.0481	29.28	2.017	2.253	.0550	28.29	.0514	.5241	.2148
#3	.0499	29.36	2.020	2.259	.0549	28.41	.0514	.5234	.2141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .3079	28.54	26.27	27.34	.5347	.5316	26.25	.5193	.5030
Stddev	.0010	.07	.04	.11	.0011	.0007	.03	.0004	.0011
%RSD	.3254	.2554	.1331	.3886	.2089	.1353	.0976	.0856	.2267
#1	.3067	28.63	26.23	27.46	.5360	.5309	26.24	.5189	.5042
#2	.3084	28.51	26.28	27.24	.5340	.5323	26.24	.5198	.5019
#3	.3085	28.49	26.30	27.34	.5341	.5315	26.28	.5194	.5030
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.2500								
Range	20.00%								

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5110	2.012	13.59	.5603	.5227	.5213	1.998	.5057	.5659
Stddev	.0001	.002	.00	.0008	.0007	.0008	.003	.0010	.0004
%RSD	.0191	.0757	.0164	.1413	.1325	.1475	.1595	.2036	.0754
#1	.5111	2.012	13.59	.5602	.5233	.5208	1.997	.5063	.5664
#2	.5111	2.014	13.59	.5596	.5230	.5209	1.995	.5063	.5658
#3	.5109	2.011	13.59	.5611	.5220	.5222	2.001	.5045	.5656
Check ?	Chk Pass	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Sample Name: MP31439-B2 Acquired: 1/6/2017 11:23:01 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0480	28.97	2.000	2.213	.0539	28.13	.0509	.5170	.2108
Stddev	.0003	.01	.005	.004	.0001	.13	.0001	.0003	.0007
%RSD	.6828	.0354	.2584	.1688	.1047	.4506	.1085	.0666	.3355
#1	.0481	28.96	1.999	2.214	.0539	28.07	.0509	.5169	.2100
#2	.0482	28.98	1.995	2.216	.0539	28.28	.0509	.5168	.2110
#3	.0476	28.97	2.006	2.209	.0540	28.05	.0508	.5174	.2113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2665	28.31	26.20	27.05	.5280	.5294	26.03	.5139	.4951
Stddev	.0017	.04	.02	.28	.0012	.0006	.04	.0009	.0009
%RSD	.6554	.1261	.0720	1.026	.2359	.1058	.1623	.1698	.1858
#1	.2645	28.28	26.21	26.75	.5289	.5288	26.06	.5134	.4945
#2	.2675	28.30	26.18	27.29	.5286	.5294	25.99	.5133	.4947
#3	.2675	28.35	26.21	27.11	.5266	.5299	26.05	.5149	.4962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5064	1.994	13.99	.5557	.5196	.5194	1.973	.4980	.5351
Stddev	.0021	.008	.01	.0013	.0005	.0015	.002	.0015	.0013
%RSD	.4197	.4032	.0591	.2339	.0958	.2885	.0876	.2941	.2354
#1	.5068	2.001	14.00	.5542	.5197	.5210	1.973	.4996	.5340
#2	.5083	1.985	13.99	.5563	.5190	.5189	1.972	.4969	.5349
#3	.5041	1.997	13.99	.5566	.5200	.5182	1.975	.4973	.5365
Check ?	Chk Pass	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Sample Name: MP31439-B1 Acquired: 1/6/2017 11:18:50 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1809.4	4249.6	3340.4	7040.5
Stddev	6.0	.8	84.	20.2
%RSD	.33264	.01825	.25156	.28685
#1	1805.3	4248.8	3330.7	7018.4
#2	1816.3	4250.3	3344.8	7058.0
#3	1806.5	4249.6	3345.7	7045.2

Sample Name: MP31439-B2 Acquired: 1/6/2017 11:23:01 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1807.7	4225.8	3340.0	7077.1
Stddev	5.2	11.2	67.	37.3
%RSD	.28654	.26427	.20165	.52737
#1	1801.7	4213.0	3339.5	7108.8
#2	1810.3	4231.4	3333.6	7036.0
#3	1811.1	4233.1	3347.0	7086.5

Sample Name: FA39978-1 Acquired: 1/6/2017 11:27:12 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.0171	0.0000	0.0002	-0.0001	0.0592	-0.0002	-0.0004	0.0005
Stddev	0.0003	0.0013	0.001	0.0001	0.0000	0.0011	0.0000	0.0001	0.0004
%RSD	119.9	7.439	452.9	24.01	51.71	1.819	5.596	17.64	87.21
#1	-0.005	0.0159	0.0001	0.0003	-0.0001	0.0583	-0.0002	-0.0005	0.0004
#2	0.0000	0.0184	-0.0006	0.0002	0.0000	0.0604	-0.0002	-0.0004	0.0010
#3	-0.0001	0.0170	0.0005	0.0003	-0.0001	0.0588	-0.0002	-0.0003	0.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0071	0.0058	0.0723	0.0113	0.0000	-0.0008	0.3714	-0.0002	-0.0014
Stddev	0.0002	0.0020	0.0169	0.0094	0.0000	0.0002	0.0059	0.0002	0.0003
%RSD	2.261	33.72	23.34	83.13	31.81	18.80	1.576	82.72	22.51
#1	0.0071	0.0036	0.0891	0.0160	0.0000	-0.0007	0.3647	-0.0001	-0.0011
#2	0.0070	0.0067	0.0724	0.0174	0.0000	-0.0010	0.3747	-0.0001	-0.0015
#3	0.0073	0.0072	0.0553	0.0005	0.0000	-0.0007	0.3749	-0.0004	-0.0017
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0005	0.0040	0.1378	0.0249	0.0001	0.0010	-0.0024	0.0001	0.0050
Stddev	0.0008	0.0017	0.04	0.0002	0.0000	0.0001	0.0014	0.0003	0.0000
%RSD	161.7	41.64	257.7	6.635	32.96	5.623	56.99	500.6	8.597
#1	-0.0003	0.0022	0.1379	0.0247	0.0000	0.0010	-0.0039	0.0004	0.0049
#2	-0.0002	0.0043	0.1381	0.0248	0.0001	0.0009	-0.0012	-0.0001	0.0050
#3	-0.0013	0.0056	0.1374	0.0250	0.0001	0.0010	-0.0021	-0.0001	0.0050
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	1981.9	4471.3	35290.9	7553.6					
Stddev	3.0	8.3	149.4	45.2					
%RSD	0.14974	0.18648	0.42336	0.59843					
#1	1979.3	4466.1	35295.5	7589.0					
#2	1981.3	4467.0	35437.7	7569.2					
#3	1985.2	4481.0	35138.8	7502.7					

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Sample Name: MP31440-MB1 Acquired: 1/6/2017 11:31:43 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	0.0002	-0.0010	0.0000	-0.0001	0.0143	-0.0003	-0.0006
Stddev	0.0002	0.0041	0.0008	0.0000	0.0000	0.0014	0.0001	0.0000
%RSD	44.26	1714.4	79.26	19.11	21.59	9.487	23.93	7.044
#1	-0.0005	-0.0034	-0.0018	0.0001	-0.0001	0.0149	-0.0002	-0.0006
#2	-0.0003	-0.0005	-0.0010	0.0000	-0.0001	0.0151	-0.0004	-0.0007
#3	-0.0007	0.0047	-0.0002	0.0000	-0.0001	0.0127	-0.0003	-0.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0001	0.0045	0.0037	0.0116	-0.0018	-0.0001	-0.0011	0.0217
Stddev	0.0001	0.0000	0.0020	0.0134	0.0058	0.0000	0.0001	0.0070
%RSD	97.79	9.256	53.77	115.6	318.0	8.767	10.43	32.35
#1	0.0000	0.0045	0.0058	0.0270	0.0018	-0.0001	-0.0010	0.0136
#2	0.0001	0.0046	0.0033	0.0027	0.0012	-0.0001	-0.0012	0.0256
#3	0.0002	0.0046	0.0019	0.0050	-0.0085	-0.0001	-0.0011	0.0258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0010	-0.0034	-0.0007	0.0009	0.1915	0.0001	-0.0001	-0.0004
Stddev	0.0001	0.0006	0.0006	0.0020	0.05	0.0003	0.0000	0.0001
%RSD	9.355	19.03	93.57	214.4	2.465	282.1	48.71	31.05
#1	-0.0009	-0.0041	-0.0011	-0.0012	0.1916	-0.0003	-0.0001	-0.0005
#2	-0.0009	-0.0030	-0.0010	0.0028	0.1910	0.0003	-0.0001	-0.0003
#3	-0.0011	-0.0030	0.0001	0.0012	0.1919	0.0003	0.0000	-0.0005
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit		0.0025						
Low Limit		-0.0025						

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Sample Name: MP31440-MB1 Acquired: 1/6/2017 11:31:43 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ti1908	V_2924	Zn2062	
Units	ppm	ppm	ppm	
Avg	-0.0038	-0.0003	0.0004	
Stddev	0.0008	0.0003	0.0001	
%RSD	21.85	104.4	14.00	
#1	-0.0029	-0.0005	0.0005	
#2	-0.0042	-0.0001	0.0004	
#3	-0.0045	-0.0004	0.0005	
Check ?	Chk Pass	Chk Pass	Chk Pass	
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1936.2	4450.9	34469.9	7327.9
Stddev	8.6	16.8	63.0	30.0
%RSD	0.44299	0.37709	0.18242	0.40997
#1	1929.7	4436.5	34398.8	7294.8
#2	1945.9	4469.3	34490.0	7353.4
#3	1933.0	4446.7	34518.8	7335.6

Raw Data MA13715 page 59 of 153

Sample Name: MP31440-B1 Acquired: 1/6/2017 11:36:15 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0488	0.0038	2.012	2.240	0.0542	29.30	0.0507	0.5194	0.2096
Stddev	0.0005	0.0008	0.002	0.004	0.0003	0.17	0.0001	0.0005	0.0010
%RSD	1.013	27.39	10.47	19.23	5.077	5.894	0.2621	0.0899	0.4630
#1	0.0494	0.001	2.010	2.244	0.0540	29.11	0.0506	0.5194	0.2097
#2	0.0484	0.005	2.012	2.235	0.0541	29.39	0.0507	0.5189	0.2086
#3	0.0487	0.017	2.014	2.241	0.0545	29.42	0.0509	0.5198	0.2105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.3138	29.27	27.06	28.27	0.5261	0.5418	26.98	0.5119	0.4953
Stddev	0.0009	0.11	0.12	0.20	0.0011	0.0007	0.09	0.0006	0.0014
%RSD	0.2808	0.3615	0.4319	0.7242	0.2098	0.1263	0.3505	0.1188	0.2755
#1	0.3130	29.16	27.12	28.04	0.5272	0.5413	27.05	0.5116	0.4940
#2	0.3147	29.28	26.93	28.31	0.5250	0.5416	26.88	0.5115	0.4967
#3	0.3138	29.38	27.14	28.45	0.5261	0.5426	27.02	0.5126	0.4953
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	0.2500								
Range	20.00%								
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.5099	2.011	19.21	0.5524	0.5289	0.5276	1.981	0.4952	0.5645
Stddev	0.0028	0.003	0.02	0.0008	0.0017	0.0006	0.008	0.0005	0.0011
%RSD	0.5500	0.1429	0.1126	0.1516	0.3273	0.1212	0.4113	0.0930	0.1930
#1	0.5096	2.010	19.21	0.5529	0.5300	0.5277	1.971	0.4957	0.5638
#2	0.5072	2.008	19.19	0.5514	0.5269	0.5281	1.985	0.4948	0.5639
#3	0.5128	2.014	19.23	0.5528	0.5299	0.5269	1.986	0.4952	0.5657
Check ?	Chk Pass	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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Sample Name: MP31440-B1 Acquired: 1/6/2017 11:36:15 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1823.4	4270.5	3392.4	7123.4
Stddev	3.2	11.9	67.	53.0
%RSD	.17785	.27803	.19835	.74414

#1	1820.5	4256.9	33887.	7183.7
#2	1822.9	4278.4	34001.	7102.7
#3	1826.9	4276.3	33882.	7083.9

Sample Name: FA39951-5 Acquired: 1/6/2017 11:40:26 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	.1496	-.0007	.0558	-.0001	45.91	-.0003	.0037	.0013
Stddev	.0003	.0023	.0002	.0003	.0000	.15	.0000	.0001	.0001
%RSD	124.8	1.565	25.61	.5020	24.27	.3286	13.74	2.810	11.14

#1	.0006	.1508	-.0005	.0560	-.0001	45.81	-.0003	.0036	.0012
#2	.0000	.1510	-.0006	.0559	-.0001	45.83	-.0003	.0037	.0011
#3	.0001	.1469	-.0009	.0555	-.0001	46.08	-.0002	.0038	.0014

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0002	.0553	1.815	17.50	.0172	.0006	9.916	.0079	-.0044
Stddev	.0002	.0032	.005	.09	.0001	.0001	.002	.0002	.0009
%RSD	64.36	5.729	.2693	.5067	.6583	18.47	.0235	1.974	21.08

#1	-.0004	.0589	1.818	17.43	.0171	.0005	9.913	.0081	-.0044
#2	-.0001	.0541	1.809	17.47	.0172	.0005	9.917	.0079	-.0034
#3	-.0002	.0529	1.817	17.60	.0173	.0007	9.917	.0078	-.0053

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0014	.0016	20.83	.0001	.3722	.0115	-.0024	.0002	.0049
Stddev	.0001	.0018	.02	.0006	.0008	.0001	.0001	.0002	.0001
%RSD	4.189	108.3	.0865	444.9	.2251	.5596	5.693	73.58	1.824

#1	.0014	-.0002	20.83	-.0002	.3722	.0115	-.0023	.0002	.0049
#2	.0014	.0034	20.85	-.0002	.3714	.0115	-.0025	.0004	.0049
#3	.0015	.0017	20.82	.0008	.3731	.0114	-.0025	.0001	.0050

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	1876.4	4275.1	3398.3	7298.1
Stddev	6.2	11.7	107.	24.8
%RSD	.32913	.27447	.31439	.34047

#1	1869.3	4266.9	3396.0	7304.8
#2	1880.3	4270.0	33889.	7318.9
#3	1879.7	4288.5	34099.	7270.6

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Sample Name: MP31440-D1 Acquired: 1/6/2017 11:44:54 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	.0006	.1449	-.0007	.0573	-.0001	46.70	-.0003	.0037	.0013
Stddev	.0004	.0072	.0002	.0002	.0000	.22	.0000	.0001	.0002
%RSD	61.84	4.967	27.02	.4036	44.70	.4753	11.15	1.616	18.20

#1	.0010	.1526	-.0009	.0574	-.0001	46.60	-.0002	.0038	.0015
#2	.0005	.1384	-.0005	.0574	.0000	46.95	-.0003	.0038	.0012
#3	.0003	.1435	-.0008	.0570	-.0001	46.54	-.0003	.0037	.0011

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0003	.0537	1.864	17.84	.0177	.0003	10.12	.0087	-.0024
Stddev	.0001	.0020	.025	.01	.0001	.0001	.03	.0000	.0007
%RSD	32.90	3.646	1.346	.0637	.6624	45.55	.3000	.3831	28.06

#1	-.0003	.0551	1.871	17.85	.0177	.0003	10.15	.0087	-.0025
#2	-.0004	.0515	1.885	17.85	.0177	.0003	10.11	.0086	-.0016
#3	-.0002	.0545	1.836	17.83	.0175	.0001	10.09	.0087	-.0029

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0010	-.0001	20.18	.0002	.3795	.0120	-.0025	.0003	.0069
Stddev	.0008	.0011	.04	.0003	.0005	.0001	.0005	.0002	.0001
%RSD	82.05	737.9	.2218	122.7	.1315	.9421	20.05	58.04	1.169

#1	.0016	-.0012	20.23	.0001	.3801	.0119	-.0028	.0005	.0069
#2	.0001	.0009	20.16	.0006	.3793	.0120	-.0028	.0003	.0068
#3	.0014	-.0002	20.14	.0001	.3792	.0121	-.0019	.0001	.0070

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	1874.2	4279.9	3399.7	7292.4
Stddev	3.7	17.5	58.	45.3
%RSD	.19903	.40786	.17160	.62185

#1	1870.0	4260.0	34023.	7318.2
#2	1875.9	4287.3	33930.	7240.1
#3	1876.8	4292.5	34038.	7319.0

Sample Name: MP31440-SD1 Acquired: 1/6/2017 11:49:22 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.1470	-.0016	.0567	-.0007	47.33	-.0012	.0031	.0005
Stddev	.0028	.0438	.0019	.0007	.0000	.30	.0002	.0002	.0011
%RSD	16350.	29.77	123.2	1.263	6.394	.6262	12.92	7.806	207.9

#1	.0029	.1888	.0001	.0569	-.0008	47.57	-.0012	.0029	-.0007
#2	-.0001	.1507	-.0011	.0560	-.0008	47.43	-.0011	.0031	.0014
#3	-.0028	.1015	-.0037	.0574	-.0007	47.00	-.0014	.0034	.0008

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0038	.0304	1.911	18.05	.0169	-.0051	10.01	.0075	-.0013
Stddev	.0005	.0037	.068	.14	.0002	.0006	.03	.0002	.0013
%RSD	12.91	12.29	3.546	.8028	1.283	11.88	.2954	3.274	96.09

#1	-.0036	.0277	1.855	18.13	.0168	-.0044	10.04	.0078	.0001
#2	-.0044	.0288	1.890	17.88	.0167	-.0051	9.986	.0075	-.0021
#3	-.0034	.0346	1.986	18.14	.0171	-.0056	10.00	.0073	-.0020

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0028	.0017	20.37	-.0014	.3710	.0108	-.0063	-.0001	.0299
Stddev	.0056	.0022	.08	.0018	.0020	.0000	.0048	.0020	.0006
%RSD	203.4	131.5	.3698	135.8	.5331	.4630	76.81	2046.	1.969

#1	.0086	.0037	20.29	-.0026	.3730	.0108	-.0064	.0004	.0304
#2	-.0026	.0020	20.40	.0008	.3690	.0108	-.0111	.0015	.0301
#3	.0023	-.0007	20.43	-.0022	.3711	.0107	-.0014	-.0023	.0293

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	1970.9	4505.5	35205.	7379.5
Stddev	2.7	19.3	31.	82.8
%RSD	.13876	.42732	.08766	1.1222

#1	1973.0	4526.7	35181.	7318.0
#2	1971.9	4500.6	35239.	7346.8
#3	1967.8	4489.1	35194.	7473.7

Sample Name: CCV Acquired: 1/6/2017 11:53:51 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2546	41.37	1.932	2.114	2.042	43.36	1.979	2.015	2.014
Stddev	.0011	.07	.006	.003	.002	.16	.001	.002	.006
%RSD	.4152	.1736	.2903	.1244	.0885	.3605	.0239	.0926	.2806
#1	.2552	41.40	1.926	2.116	2.042	43.36	1.979	2.016	2.010
#2	.2534	41.42	1.932	2.111	2.040	43.52	1.978	2.013	2.020
#3	.2553	41.29	1.937	2.116	2.043	43.21	1.979	2.017	2.010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.016	41.25	39.89	42.59	2.006	2.028	40.27	1.952	1.967
Stddev	.012	.02	.06	.22	.008	.004	.05	.002	.004
%RSD	.5809	.0371	.1482	.5113	.4027	.1721	.1362	.0877	.2143
#1	2.029	41.24	39.85	42.69	1.998	2.026	40.26	1.951	1.971
#2	2.011	41.27	39.86	42.73	2.014	2.026	40.22	1.952	1.966
#3	2.008	41.25	39.96	42.33	2.005	2.032	40.33	1.954	1.963

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.943	1.978	1.906	2.061	2.004	1.968	1.959	1.949	2.088
Stddev	.002	.003	.003	.002	.002	.004	.002	.006	.004
%RSD	.1259	.1542	.1806	.0923	.1009	.1827	.0932	.3232	.1813
#1	1.944	1.975	1.902	2.062	2.005	1.965	1.961	1.945	2.090
#2	1.941	1.979	1.909	2.059	2.002	1.972	1.959	1.956	2.083
#3	1.945	1.981	1.907	2.062	2.006	1.968	1.957	1.945	2.090

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 1/6/2017 11:53:51 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1835.7	4384.4	34618.	7268.3
Stddev	3.1	7.8	166.	50.6
%RSD	.16939	.17692	.47928	.69661
#1	1833.0	4381.7	34456.	7299.3
#2	1839.1	4393.1	34610.	7209.9
#3	1835.0	4378.3	34788.	7295.7

Sample Name: CCB Acquired: 1/6/2017 11:58:02 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	.0035	.0009	.0001	.0000	.0067	.0000	.0001	-0.0001
Stddev	.0002	.0069	.0003	.0001	.0000	.0013	.000	.0001	.0001
%RSD	81.74	195.9	29.40	98.12	51.28	19.22	552.4	132.3	64.36
#1	-0.0001	.0113	.0010	.0001	.0001	.0067	.0000	.0000	-0.0001
#2	-0.0001	.0010	.0006	.0002	.0000	.0080	.0000	.0001	-0.0001
#3	-0.0005	-0.0017	.0010	.0000	.0000	.0054	-0.0001	.0002	-0.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0011	.0022	.0355	.0061	.0000	.0005	.0086	-0.0001	.0004
Stddev	.0001	.0023	.0400	.0077	.000	.0005	.0072	.0003	.0009
%RSD	13.46	103.6	112.6	125.7	916.2	94.48	83.94	227.8	257.4
#1	-0.0010	.0045	.0770	.0128	.0000	.0011	.0113	.0001	-0.0001
#2	-0.0010	.0022	.0326	.0077	.0000	.0002	.0141	-0.0001	.0014
#3	-0.0012	-0.0001	-0.0029	-0.0022	.0000	.0003	.0004	-0.0005	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	.0005	.0018	-0.0004	.0001	-0.0002	-0.0005	.0002	-0.0002
Stddev	.0003	.0036	.0004	.0001	.0000	.0001	.0007	.0002	.0001
%RSD	119.1	707.5	23.24	25.97	28.86	50.92	135.0	101.8	59.99
#1	-0.0002	-0.0028	.0015	-0.0005	.0000	-0.0002	.0003	.0003	-0.0001
#2	-0.0007	.0000	.0016	-0.0004	.0000	-0.0001	-0.0007	.0000	-0.0002
#3	.0000	.0043	.0023	-0.0003	.0001	-0.0002	-0.0011	.0003	-0.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 1/6/2017 11:58:02 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1980.2	4539.4	35443.	7479.7
Stddev	1.8	4.2	169.	21.3
%RSD	.08850	.09288	.47571	.28482
#1	1978.9	4534.9	35631.	7459.4
#2	1982.2	4539.9	35305.	7477.8
#3	1979.5	4543.3	35393.	7501.8

Sample Name: MP31440-PS1 Acquired: 1/6/2017 12:02:36 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0506	2.960	1.063	.3511	.0555	51.88	.0525	.0573	.0566
Stddev	.0004	.008	.0012	.0008	.0001	.05	.0001	.0001	.0001
%RSD	.8710	.2639	1.098	.2163	.1200	.0912	.2272	.2312	.1704
#1	.0511	2.957	1.069	.3519	.0555	51.85	.0525	.0573	.0567
#2	.0506	2.968	1.050	.3509	.0555	51.85	.0523	.0572	.0565
#3	.0502	2.953	1.071	.3504	.0554	51.93	.0526	.0574	.0566
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.1102	3.429	12.42	23.20	.0720	1.112	20.53	.1115	.0476
Stddev	.0009	.009	.03	.05	.0002	.0002	.06	.0001	.0004
%RSD	.8189	.2573	.2224	.2096	.2443	.2151	.3144	.0870	.7953
#1	.1100	3.433	12.40	23.17	.0721	1.112	20.55	.1115	.0477
#2	.1112	3.435	12.45	23.18	.0718	1.110	20.58	.1114	.0472
#3	.1094	3.419	12.40	23.26	.0721	1.115	20.46	.1116	.0479
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1101	.1021	20.15	.0542	.4205	.1189	.0967	.0526	.2870
Stddev	.0006	.0008	.01	.0003	.0023	.0004	.0012	.0002	.0000
%RSD	.5828	.8018	.0362	.5559	.5545	.3536	1.203	.3670	0.0153
#1	.1101	.1030	20.15	.0539	.4217	.1192	.0973	.0529	.2870
#2	.1095	.1019	20.15	.0541	.4219	.1184	.0975	.0525	.2870
#3	.1107	.1014	20.16	.0545	.4178	.1190	.0954	.0525	.2870
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1867.6	4328.4	3405.4	7258.5					
Stddev	4.8	5.9	112.	22.9					
%RSD	.25516	.13718	.32982	.31599					
#1	1862.2	4323.8	3396.0	7232.9					
#2	1869.6	4326.3	3402.4	7277.1					
#3	1871.0	4335.1	3417.9	7265.5					

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Sample Name: MP31440-S1 Acquired: 1/6/2017 12:06:54 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0502	30.53	2.004	2.307	.0545	76.12	.0498	.5161	.2104
Stddev	.0004	.07	.001	.007	.0002	.31	.0000	.0010	.0004
%RSD	.8372	.2145	.0410	.2998	.3190	.4114	.0977	.1929	.2111
#1	.0506	30.46	2.005	2.307	.0543	75.82	.0498	.5155	.2104
#2	.0501	30.53	2.004	2.300	.0546	76.44	.0498	.5157	.2109
#3	.0498	30.59	2.004	2.314	.0545	76.09	.0499	.5173	.2100
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.2710	29.25	29.08	46.44	.5376	5328	37.25	.5116	.4923
Stddev	.0015	.04	.13	.23	.0008	.0012	.12	.0003	.0024
%RSD	.5619	.1403	.4433	.4972	.1510	.2310	.3240	.0575	.4878
#1	.2701	29.20	29.01	46.20	.5382	5315	37.28	.5114	.4917
#2	.2728	29.28	29.01	46.66	.5379	5330	37.12	.5120	.4949
#3	.2702	29.27	29.23	46.46	.5367	5340	37.35	.5116	.4902
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5049	2.013	20.02	.5415	.8967	.5298	1.968	.4948	.5358
Stddev	.0015	.010	.06	.0008	.0019	.0012	.003	.0023	.0010
%RSD	.2914	.5035	.2887	.1517	.2093	.2228	.1376	.4554	.1937
#1	.5054	2.007	20.02	.5406	.8955	.5288	1.968	.4973	.5349
#2	.5033	2.007	19.97	.5422	.8958	.5311	1.966	.4929	.5357
#3	.5061	2.025	20.08	.5416	.8989	.5295	1.971	.4943	.5369
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1780.5	4227.9	3329.9	7061.5					
Stddev	4.4	12.9	116.	43.5					
%RSD	.24546	.30494	.34821	.61645					
#1	1778.9	4235.9	3326.1	7088.8					
#2	1785.4	4234.7	3320.7	7011.3					
#3	1777.1	4213.0	3342.9	7084.4					

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7.1
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Sample Name: MP31440-S2 Acquired: 1/6/2017 12:11:07 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0512	31.19	2.068	2.365	.0558	78.62	.0514	.5288	.2136
Stddev	.0005	.10	.002	.003	.0001	.24	.0001	.0004	.0005
%RSD	.9933	.3316	.1029	.1364	.1476	.3098	.2349	.0667	.2458
#1	.0513	31.29	2.070	2.367	.0559	78.86	.0512	.5292	.2141
#2	.0507	31.19	2.066	2.362	.0558	78.65	.0514	.5286	.2138
#3	.0517	31.09	2.068	2.368	.0557	78.37	.0515	.5286	.2131
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2754	29.85	29.85	47.53	.5497	.5455	38.36	.5254	.5070
Stddev	.0010	.07	.06	.19	.0004	.0005	.09	.0005	.0014
%RSD	.3755	.2248	.1937	.4063	.0818	.0966	.2364	.1032	.2778
#1	.2764	29.92	29.92	47.74	.5500	.5461	38.47	.5259	.5058
#2	.2756	29.84	29.83	47.48	.5499	.5452	38.31	.5255	.5067
#3	.2743	29.79	29.81	47.36	.5492	.5452	38.31	.5248	.5085
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5205	2.069	20.14	.5517	.9298	.5430	2.022	.5067	.5464
Stddev	.0007	.004	.02	.0009	.0018	.0004	.002	.0010	.0013
%RSD	.1322	.1847	.1001	.1636	.1977	.0757	.1091	.1992	.2420
#1	.5211	2.073	20.16	.5507	.9318	.5433	2.022	.5078	.5457
#2	.5198	2.068	20.14	.5525	.9292	.5430	2.024	.5062	.5456
#3	.5206	2.066	20.13	.5520	.9282	.5425	2.020	.5059	.5480
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1762.6	4181.6	3313.8	7057.8					
Stddev	.6	5.9	76.	40.2					
%RSD	.03578	.14112	.22853	.56992					
#1	1762.6	4177.7	3310.0	7024.7					
#2	1762.0	4178.8	3308.8	7046.2					
#3	1763.3	4188.4	3322.5	7102.6					

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Sample Name: FA39951-3 Acquired: 1/6/2017 12:15:20 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0024	.8828	-.0002	.0526	-.0001	46.56	-.0003	.0083	.0026
Stddev	.0002	.0074	.0003	.0000	.0001	.04	.0000	.0001	.0001
%RSD	9.018	8.351	123.5	.0597	63.01	.0946	9.424	1.491	4.357
#1	.0022	.8745	-.0003	.0525	-.0001	46.61	-.0003	.0082	.0025
#2	.0023	.8854	-.0005	.0526	-.0002	46.53	-.0002	.0084	.0025
#3	.0026	.8885	.0001	.0526	.0000	46.54	-.0003	.0082	.0027
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3227	1.205	6.459	17.62	.0125	.0020	16.55	.0042	.0073
Stddev	.0014	.0013	.015	.07	.0001	.0002	.01	.0001	.0009
%RSD	.4272	1.101	.2356	4.188	.8357	9.987	.0304	3.301	12.76
#1	.3211	1.190	6.475	17.70	.0126	.0019	16.56	.0040	.0062
#2	.3236	1.213	6.445	17.60	.0124	.0022	16.		

Sample Name: FA39951-1 Acquired: 1/6/2017 12:19:46 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0012	.1993	-.0012	.0423	-.0001	49.60	-.0003	.0146	.0073
Stddev	.0001	.0034	.0011	.0003	.0000	.14	.0001	.0000	.0001
%RSD	5.176	1.707	91.34	.6950	24.95	.2749	19.09	.1840	1.891
#1	.0012	.1961	-.0020	.0426	-.0001	49.70	-.0003	.0146	.0074
#2	.0011	.1990	.0001	.0420	-.0001	49.45	-.0002	.0146	.0073
#3	.0012	.2029	-.0018	.0421	.0000	49.65	-.0003	.0146	.0071
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0005	.1322	3.238	18.34	.0093	.0021	9.602	.0364	-.0026
Stddev	.0005	.0015	.021	.10	.0000	.0001	.032	.0000	.0005
%RSD	93.25	1.137	.6616	.5567	.2445	5.273	.3347	.1347	20.11
#1	.0004	.1326	3.219	18.43	.0093	.0021	9.620	.0364	-.0030
#2	.0001	.1335	3.234	18.23	.0094	.0023	9.565	.0365	-.0028
#3	.0011	.1306	3.261	18.35	.0093	.0021	9.622	.0365	-.0020
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0002	.0014	23.34	.0001	.3464	.0168	-.0034	.0004	.0191
Stddev	.0019	.0024	.02	.0002	.0012	.0001	.0009	.0001	.0001
%RSD	885.2	170.6	.0954	298.9	.3500	5.941	26.40	24.34	.6564
#1	.0002	.0035	23.36	-.0001	.3469	.0169	-.0045	.0005	.0190
#2	.0022	-.0012	23.35	.0003	.3450	.0167	-.0030	.0005	.0191
#3	-.0017	.0019	23.32	.0000	.3473	.0168	-.0028	.0003	.0193
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1853.7	4267.3	3351.0	7062.8					
Stddev	5.2	6.4	15.	31.1					
%RSD	.27824	.15060	.04445	.44082					
#1	1855.3	4273.2	3352.2	7028.8					
#2	1847.9	4260.4	3349.3	7069.5					
#3	1857.8	4268.3	3351.3	7090.0					

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Sample Name: FA39951-7 Acquired: 1/6/2017 12:24:13 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0064	.0689	.0001	.0053	-.0001	43.75	-.0004	4.836	.0848
Stddev	.0005	.0053	.0008	.0001	.0000	.08	.0000	.0005	.0002
%RSD	7.272	7.690	853.2	1.810	19.47	.1895	7.153	.0967	.2548
#1	.0063	.0628	.0010	.0054	-.0001	43.74	-.0004	4.839	.0850
#2	.0069	.0721	-.0004	.0053	-.0002	43.68	-.0005	4.839	.0846
#3	.0060	.0717	-.0003	.0052	-.0002	43.84	-.0004	4.831	.0848
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2775	1.125	F 316.9	16.04	.1190	.3220	F 185.1	.4655	.0092
Stddev	.0013	.001	.9	.07	.0001	.0004	2.6	.0005	.0001
%RSD	.4758	.0679	.2752	.4664	.1160	.1234	1.411	.0974	1.414
#1	.2760	1.126	317.7	15.96	.1191	.3215	183.2	.4659	.0092
#2	.2782	1.125	316.0	16.10	.1188	.3223	184.0	.4657	.0091
#3	.2784	1.124	317.1	16.07	.1190	.3221	188.0	.4650	.0094
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0003	-.0001	17.41	.0012	.2868	.0115	-.0020	.0016	.1759
Stddev	.0009	.0012	.05	.0001	.0010	.0001	.0023	.0001	.0004
%RSD	321.3	852.8	.2619	6.317	.3502	9.765	112.8	8.333	.2316
#1	.0013	.0011	17.37	.0012	.2880	.0117	-.0036	.0015	.1761
#2	-.0005	-.0002	17.46	.0011	.2863	.0114	-.0006	.0016	.1754
#3	.0001	-.0013	17.41	.0013	.2861	.0115	-.0029	.0018	.1761
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1734.6	4145.7	3295.7	7008.2					
Stddev	3.3	9.2	85.	38.2					
%RSD	.18934	.22082	.25678	.54482					
#1	1731.4	4147.9	3287.8	7013.8					
#2	1737.9	4135.6	3294.6	7043.2					
#3	1734.6	4153.6	3304.6	6967.5					

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7.1
7

Sample Name: FA39957-4 Acquired: 1/6/2017 12:28:45 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0002	.0681	.0001	.0101	-.0001	67.95	-.0003	-.0003	.0011
Stddev	.0003	.0088	.0010	.0000	.0001	.15	.0000	.0001	.0002
%RSD	195.5	12.86	1867.	.3816	46.39	.2164	4.741	33.63	15.07
#1	-.0003	.0781	.0005	.0101	-.0001	67.79	-.0003	-.0002	.0009
#2	-.0004	.0642	.0007	.0101	-.0001	68.08	-.0003	-.0003	.0011
#3	.0002	.0619	-.0011	.0101	-.0001	67.98	-.0002	-.0004	.0013
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0018	.0238	1.607	.9845	.0008	.0027	4.866	-.0002	-.0008
Stddev	.0001	.0020	.013	.0126	.0000	.0002	.003	.0001	.0006
%RSD	3.484	8.277	.8157	1.284	2.051	5.488	.0663	41.23	73.46
#1	-.0019	.0242	1.593	.9705	.0008	.0029	4.869	-.0002	-.0001
#2	-.0018	.0256	1.619	.9881	.0008	.0028	4.866	-.0001	-.0011
#3	-.0018	.0217	1.610	.9950	.0008	.0026	4.863	-.0003	-.0010
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0016	.0012	4.871	-.0001	.4219	.0013	-.0018	.0051	.0004
Stddev	.0001	.0015	.007	.0003	.0009	.0002	.0012	.0002	.0002
%RSD	.4475	130.9	.1508	435.8	.2169	15.39	65.21	4.253	41.35
#1	.0217	.0029	4.865	.0003	.4229	.0012	-.0031	.0053	.0003
#2	.0216	.0004	4.869	-.0004	.4216	.0015	-.0010	.0049	.0004
#3	.0215	.0002	4.879	-.0001	.4212	.0012	-.0013	.0052	.0006
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1883.0	4312.7	3405.3	7137.2					
Stddev	3.1	5.3	92.	37.2					
%RSD	.16285	.12218	.26984	.52148					
#1	1880.0	4315.6	3398.4	7173.4					
#2	1886.1	4315.9	3415.7	7099.1					
#3	1882.7	4306.6	3401.7	7139.2					

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Sample Name: FA39957-4F Acquired: 1/6/2017 12:33:17 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0001	.0289	.0002	.0103	-.0001	67.83	-.0003	-.0002	.0008
Stddev	.0002	.0064	.0005	.0002	.0000	.16	.0000	.0001	.0003
%RSD	207.7	22.07	199.8	1.781	24.96	2.295	3.985	20.64	33.65
#1	-.0003	.0283	.0005	.0103	-.0001	67.81	-.0003	-.0003	.0005
#2	-.0002	.0229	.0003	.0105	-.0001	67.53	-.0003	-.0003	.0010
#3	.0001	.0356	.0005	.0102	-.0001	67.56	-.0004	-.0002	.0008
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0026	.0092	1.683	1.040	.0010	.0027	5.046	-.0003	-.0003
Stddev	.0002	.0020	.011	.026	.0000	.0001	.011	.0002	.0002
%RSD	9.186	22.24	.6318	2.464	3.463	3.378	.2195	47.74	73.74
#1	-.0028	.0101	1.679	1.038	.0010	.0028	5.040	-.0003	-.0005
#2	-.0025	.0068	1.675	1.015	.0010	.0028	5.059	-.0002	-.0005
#3	-.0024	.0106	1.695	1.066	.0011	.0027	5.039	-.0005	.0000
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062

Sample Name: FA39964-1 Acquired: 1/6/2017 12:37:48 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	3.992	-0.008	0.188	-0.001	274.4	-0.003	-0.002	0.023
Stddev	.0004	.0076	.0010	.0002	.0000	2.4	.0000	.0001	.0005
%RSD	75.54	1.900	134.6	1.044	19.08	8.637	12.35	69.03	21.01
#1	-0.008	.3925	-.0010	.0188	-.0001	275.7	-.0003	-.0003	.0029
#2	-0.001	.3976	-.0016	.0186	-.0001	271.6	-.0003	-.0002	.0021
#3	-0.006	.4074	.0004	.0190	-.0001	275.8	-.0003	.0000	.0020
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.009	1.528	5.225	1.745	0.264	0.002	79.41	0.007	0.081
Stddev	.0003	.006	.0386	.025	.0002	.0001	.11	.0001	.0008
%RSD	29.08	.3716	7.392	1.421	.6367	53.91	.1353	14.44	9.457
#1	-0.006	1.530	5.284	1.769	.0266	.0001	79.29	.0008	.0073
#2	-0.012	1.522	4.812	1.720	.0263	.0001	79.44	.0008	.0087
#3	-0.010	1.533	5.578	1.746	.0265	.0003	79.50	.0006	.0084
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.011	0.021	8.879	0.004	3.434	0.106	-0.007	0.009	0.059
Stddev	.0012	.0008	.013	.0001	.022	.0009	.0008	.0002	.0001
%RSD	102.6	37.06	1.404	27.85	6.324	8.291	114.8	21.42	1.749
#1	.0006	.0030	8.873	.0004	3.426	.0097	-.0015	.0011	.0059
#2	.0025	.0016	8.871	.0006	3.416	.0106	-.0005	.0007	.0060
#3	.0003	.0017	8.893	.0003	3.458	.0114	.0000	.0010	.0058
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1764.2	4135.9	33039.	6898.6					
Stddev	1.3	7.1	134.	36.4					
%RSD	.07623	.17156	.40463	.52753					
#1	1764.0	4139.9	32888.	6869.7					
#2	1765.7	4140.1	33142.	6939.4					
#3	1763.1	4127.7	33087.	6886.6					

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Sample Name: FA39964-2 Acquired: 1/6/2017 12:42:33 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	1.600	-0.013	0.094	-0.001	247.5	-0.003	-0.003	0.015
Stddev	.0004	.0138	.0007	.0001	.0001	.8	.0000	.0001	.0002
%RSD	63.18	8.597	52.31	1.162	84.16	.3321	7.050	49.60	14.04
#1	-0.002	.1549	-.0021	.0095	-.0001	248.3	-.0004	-.0004	.0014
#2	-0.010	.1756	-.0009	.0094	-.0001	246.7	-.0004	-.0004	.0013
#3	-0.006	.1495	-.0009	.0093	.0000	247.7	-.0003	-.0001	.0017
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.028	6.336	1.794	3.892	0.037	-0.004	39.44	0.001	0.091
Stddev	.0002	.0064	.0214	.034	.0000	.0000	.10	.0001	.0005
%RSD	.7080	1.006	11.94	.8696	.5645	7.839	.2649	66.84	5.780
#1	.0326	.6409	1.848	3.930	.0037	-.0005	39.55	.0001	.0087
#2	.0329	.6288	1.558	3.883	.0037	-.0004	39.34	.0001	.0090
#3	.0331	.6311	1.976	3.864	.0037	-.0005	39.43	.0000	.0097
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.012	0.025	6.315	0.003	3.241	0.015	-0.016	0.005	0.202
Stddev	.0008	.0020	.003	.0005	.030	.0002	.0024	.0000	.0002
%RSD	65.41	81.56	.0478	131.1	.9171	10.80	154.7	0.000	1.212
#1	.0012	.0048	6.317	.0008	3.258	.0015	-.0035	.0006	.0199
#2	.0004	.0009	6.317	.0004	3.207	.0014	-.0023	.0005	.0204
#3	.0019	.0018	6.312	-.0001	3.259	.0017	.0011	.0005	.0203
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1790.5	4149.7	33210.	6966.2					
Stddev	3.7	5.8	28.	28.7					
%RSD	.20928	.14067	.08567	.41132					
#1	1793.0	4149.5	33242.	6933.2					
#2	1786.2	4144.0	33187.	6979.7					
#3	1792.4	4155.7	33203.	6985.5					

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Sample Name: CCV Acquired: 1/6/2017 12:47:19 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.561	41.59	1.921	2.122	2.043	43.73	1.974	2.012	2.028
Stddev	.0005	.004	.002	.004	.004	.08	.002	.001	.003
%RSD	.2021	.1049	.1180	.1875	.1885	.1777	.0854	.0279	.1640
#1	.2567	41.63	1.918	2.120	2.044	43.80	1.976	2.012	2.025
#2	.2559	41.59	1.922	2.127	2.045	43.75	1.974	2.012	2.030
#3	.2557	41.55	1.922	2.120	2.038	43.65	1.973	2.013	2.031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.028	41.41	40.02	43.12	2.003	2.018	40.03	1.942	1.979
Stddev	.005	.007	.005	.005	.005	.002	.007	.003	.001
%RSD	.2480	.1750	.1335	.1211	.2453	.0765	.1815	.1659	.0329
#1	2.032	41.45	40.06	43.08	2.008	2.017	40.09	1.945	1.979
#2	2.029	41.46	40.04	43.10	2.003	2.018	40.05	1.939	1.978
#3	2.022	41.33	39.96	43.18	1.999	2.020	39.95	1.941	1.979
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.927	1.966	1.899	2.067	2.004	1.963	1.963	1.948	2.109
Stddev	.003	.007	.006	.001	.004	.008	.001	.003	.004
%RSD	.1594	.3463	.3143	.0550	.1887	.4288	.0735	.1450	.1735
#1	1.930	1.960	1.904	2.066	2.008	1.972	1.963	1.951	2.113
#2	1.924	1.965	1.893	2.068	2.005	1.959	1.961	1.948	2.109
#3	1.928	1.973	1.902	2.067	2.000	1.957	1.963	1.946	2.106
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 1/6/2017 12:47:19 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1826.0	4399.0	3440.3	7213.1
Stddev	2.1	3.8	153.	22.9
%RSD	.11340	.08615	.44494	.3170
#1	1828.4	4401.9	34251.	7186.7
#2	1824.5	4400.4	34402.	7225.3
#3	1825.2	4394.7	34557.	7227.2

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Sample Name: CCB Acquired: 1/6/2017 12:51:31 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.0039	0.006	0.000	0.000	0.041	-0.001	0.000	-0.002
Stddev	0.002	0.0047	0.006	0.000	0.000	0.005	0.001	0.001	0.001
%RSD	179.2	121.1	94.45	3451.	183.2	11.09	58.64	1944.	51.16
#1	-0.002	0.0055	0.000	0.001	0.000	0.040	-0.001	0.001	-0.003
#2	-0.003	0.0077	0.011	0.002	-0.001	0.047	0.000	-0.001	-0.002
#3	0.001	-0.014	0.008	-0.003	0.000	0.038	-0.002	0.000	-0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

High Limit
Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.013	0.010	0.395	0.106	-0.001	0.005	0.344	-0.002	0.003
Stddev	0.002	0.0019	0.173	0.077	0.000	0.003	0.028	0.001	0.005
%RSD	12.34	191.9	43.74	72.85	20.34	59.01	8.218	38.38	156.0
#1	-0.015	0.032	0.195	0.029	-0.001	0.008	0.317	-0.002	0.002
#2	-0.013	0.000	0.492	0.184	-0.001	0.003	0.342	-0.002	-0.001
#3	-0.012	-0.002	0.498	0.105	-0.001	0.003	0.373	-0.001	0.009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

High Limit
Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.001	0.002	0.037	0.002	0.000	-0.003	-0.003	-0.002	-0.004
Stddev	0.007	0.008	0.007	0.006	0.000	0.001	0.003	0.001	0.001
%RSD	795.4	482.0	18.70	309.4	558.9	25.68	120.4	39.61	16.62
#1	-0.006	0.011	0.046	0.006	0.000	-0.003	-0.001	-0.002	-0.003
#2	0.009	-0.001	0.034	0.004	-0.001	-0.002	-0.007	-0.002	-0.004
#3	0.000	-0.005	0.033	-0.005	0.000	-0.002	0.000	-0.003	-0.003

Sample Name: CCB Acquired: 1/6/2017 12:51:31 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1961.9	4550.6	3494.9	7262.0
Stddev	2.6	4.4	60.	40.2
%RSD	.13352	.09771	.17225	.55318
#1	1964.3	4545.4	3491.6	7280.1
#2	1962.2	4553.3	3491.4	7215.9
#3	1959.1	4552.9	3501.9	7289.9

Sample Name: ICV Acquired: 1/6/2017 13:23:57 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.539	40.38	1.980	1.995	1.999	40.74	1.980	1.972	1.987
Stddev	0.010	.16	.006	.009	.004	.12	.004	.003	.003
%RSD	.3884	.3937	.2866	.4455	.1977	.3043	.1949	.1309	.1276
#1	.2549	40.34	1.975	1.994	2.000	40.86	1.977	1.969	1.984
#2	.2539	40.56	1.986	2.004	2.002	40.74	1.984	1.974	1.989
#3	.2529	40.26	1.981	1.986	1.994	40.61	1.979	1.973	1.987

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.955	39.87	40.32	40.48	2.001	1.935	40.20	1.960	1.958
Stddev	.007	.06	.18	.06	.004	.005	.14	.004	.003
%RSD	.3530	.1514	.4507	.1453	.1774	.2379	.3388	.2077	.1321
#1	1.962	39.90	40.24	40.51	2.005	1.930	40.17	1.976	1.960
#2	1.956	39.92	40.52	40.52	2.000	1.938	40.34	1.984	1.958
#3	1.948	39.80	40.18	40.42	1.998	1.938	40.07	1.979	1.955

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.966	1.971	1.464	2.007	1.963	1.995	2.037	1.927	1.975
Stddev	.005	.005	.0010	.003	.008	.005	.006	.001	.003
%RSD	.2713	.2448	.6953	.1297	.4246	.2630	.3011	.0540	.1513
#1	1.962	1.967	1.466	2.004	1.960	2.001	2.040	1.927	1.972
#2	1.972	1.977	1.473	2.010	1.973	1.992	2.041	1.928	1.977
#3	1.965	1.970	1.453	2.007	1.957	1.991	2.030	1.926	1.977

Sample Name: ICV Acquired: 1/6/2017 13:23:57 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1814.7	4389.5	3414.2	7106.5
Stddev	6.5	4.3	78.	15.8
%RSD	.35724	.09835	.22977	.22294
#1	1807.3	4386.3	3405.6	7088.3
#2	1816.9	4387.8	3421.0	7116.6
#3	1819.7	4394.4	3416.0	7114.8

Sample Name: CCV Acquired: 1/6/2017 13:29:32 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include Avg, Stddev, %RSD and sample results #1, #2, #3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 10 columns: Elem, Units, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Avg, Stddev, %RSD and sample results #1, #2, #3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 10 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and sample results #1, #2, #3.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Sample Name: CCV Acquired: 1/6/2017 13:29:32 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 5 columns: Int. Std, Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and sample results #1, #2, #3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 10 columns: Elem, Units, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Avg, Stddev, %RSD and sample results #1, #2, #3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 10 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and sample results #1, #2, #3.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Sample Name: CCB Acquired: 1/6/2017 13:35:50 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include Avg, Stddev, %RSD and sample results #1, #2, #3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit Low Limit

Table with 10 columns: Elem, Units, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Avg, Stddev, %RSD and sample results #1, #2, #3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
High Limit Low Limit

Table with 10 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and sample results #1, #2, #3.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit Low Limit

Sample Name: CCB Acquired: 1/6/2017 13:35:50 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 5 columns: Int. Std, Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and sample results #1, #2, #3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit Low Limit

Table with 10 columns: Elem, Units, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Avg, Stddev, %RSD and sample results #1, #2, #3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
High Limit Low Limit

Table with 10 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and sample results #1, #2, #3.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit Low Limit

Sample Name: FA39964-3 Acquired: 1/6/2017 13:45:14 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.0895	-0.0008	0.0099	-0.0001	126.6	-0.0002	-0.0002	0.0007
Stddev	.0001	.0128	.0001	.0000	.0000	.0	.0000	.0001	.0002
%RSD	70.19	14.34	11.16	.0801	34.44	.0321	10.18	96.47	33.14
#1	.0000	.0747	-.0007	.0099	-.0001	126.7	-.0002	-.0001	.0006
#2	-.0002	.0963	-.0009	.0099	-.0001	126.6	-.0002	.0000	.0006
#3	-.0001	.0975	-.0009	.0099	-.0001	126.6	-.0002	-.0003	.0010
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0009	0.0706	0.8970	0.6173	0.0032	0.0019	4.444	0.0001	0.0227
Stddev	.0002	.0032	.0142	.0172	.0001	.0000	.024	.0001	.0009
%RSD	21.31	4.545	1.578	2.791	2.645	.4434	.5425	105.2	3.817
#1	-.0007	.0678	.9094	.6357	.0032	.0019	4.467	.0001	.0227
#2	-.0010	.0741	.9001	.6146	.0033	.0019	4.418	.0002	.0219
#3	-.0011	.0700	.8816	.6016	.0031	.0019	4.446	.0000	.0236
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0012	0.0025	4.487	0.0007	2.615	0.0016	0.0005	0.0003	0.0000
Stddev	.0017	.0003	.012	.0004	.026	.0001	.0007	.0004	.0001
%RSD	143.3	13.14	.2560	57.93	1.005	6.036	137.4	129.5	177.20
#1	-.0003	.0021	4.491	.0011	2.644	.0016	.0008	.0008	.0000
#2	.0030	.0027	4.474	.0004	2.608	.0016	.0010	.0001	.0000
#3	.0007	.0026	4.495	.0006	2.593	.0018	-.0003	.0001	.0001
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1852.7	4277.9	33515.	6926.6					
Stddev	2.6	9.5	166.	14.6					
%RSD	.13806	.22319	.49564	.21117					
#1	1855.2	4281.8	33384.	6919.9					
#2	1852.8	4284.9	33459.	6943.4					
#3	1850.1	4267.0	33702.	6916.5					

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Sample Name: FA39964-4 Acquired: 1/6/2017 13:49:56 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0000	0.0538	0.0094	0.0058	-0.0001	60.30	-0.0001	-0.0001	0.0007
Stddev	.0001	.0040	.0012	.0001	.0000	.34	.0001	.0000	.0003
%RSD	3089.	7.426	12.31	1.021	50.16	.5670	37.08	31.51	48.73
#1	-.0001	.0567	.0081	.0057	.0000	60.47	-.0002	-.0002	.0006
#2	.0001	.0553	.0099	.0057	-.0001	59.90	-.0002	-.0002	.0004
#3	-.0001	.0492	.0103	.0058	-.0001	60.52	-.0001	-.0001	.0011
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0012	0.6999	1.755	1.545	0.0100	0.0005	4.927	0.0001	-0.0009
Stddev	.0001	.0007	.024	.012	.0000	.0002	.007	.0001	.0006
%RSD	12.39	.1059	1.362	.7465	.1322	33.48	.1484	61.57	60.21
#1	-.0012	.6703	1.752	1.555	.0100	.0007	4.925	.0001	-.0015
#2	-.0013	.6703	1.732	1.533	.0100	.0004	4.935	.0001	-.0004
#3	-.0010	.6690	1.780	1.548	.0100	.0004	4.921	.0003	-.0009
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0017	0.0004	4.843	0.0003	0.7285	0.0015	-0.0010	0.0002	0.0014
Stddev	.0006	.0011	.026	.0000	.0014	.0003	.0004	.0002	.0000
%RSD	34.61	285.6	.5336	11.21	.1910	16.71	39.73	102.3	.7531
#1	.0024	-.0004	4.816	.0003	.7298	.0016	-.0008	.0000	.0014
#2	.0014	-.0001	4.847	.0003	.7287	.0013	-.0014	.0002	.0014
#3	.0013	.0016	4.867	.0003	.7271	.0017	-.0007	.0004	.0014
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1862.4	4295.8	33484.	6962.3					
Stddev	.9	15.6	131.	49.1					
%RSD	.05052	.36202	.39140	.70581					
#1	1861.9	4308.9	33627.	6935.4					
#2	1863.5	4299.8	33369.	7019.0					
#3	1861.8	4278.6	33457.	6932.5					

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7.1
7

Sample Name: FA39966-1F Acquired: 1/6/2017 13:54:27 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0001	0.0483	0.0068	0.0040	-0.0001	2.076	-0.0002	-0.0001	0.0007
Stddev	.0001	.0013	.0012	.0001	.0000	.013	.0000	.0001	.0002
%RSD	59.00	2.636	17.59	1.933	29.81	.6073	25.34	74.02	28.30
#1	-.0002	.0471	.0068	.0040	-.0001	2.066	-.0003	-.0001	.0004
#2	-.0001	.0496	.0080	.0039	.0000	2.072	-.0002	.0000	.0008
#3	-.0001	.0481	.0056	.0041	-.0001	2.090	-.0002	-.0002	.0007
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.1804	3.334	1.368	1.631	0.0091	-0.0001	5.225	0.0016	0.0078
Stddev	.0003	.016	.013	.016	.0000	.0000	.016	.0002	.0009
%RSD	.1432	.4798	.9709	.9625	.1909	33.88	.3109	15.08	11.94
#1	.1803	3.326	1.357	1.613	.0091	-.0001	5.232	.0014	.0082
#2	.1807	3.323	1.363	1.640	.0091	-.0001	5.206	.0018	.0085
#3	.1802	3.352	1.383	1.641	.0091	-.0001	5.236	.0015	.0068
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0010	-0.0004	4.404	0.0008	0.0103	0.0001	-0.0009	0.0093	0.1162
Stddev	.0005	.0028	.005	.0001	.0001	.0001	.0004	.0003	.0001
%RSD	51.89	765.3	.1072	15.54	.5217	73.83	45.46	2.973	.1213
#1	.0005	-.0024	4.400	.0008	.0102	.0001	-.0004	.0090	.1164
#2	.0015	-.0016	4.403	.0007	.0103	.0000	-.0010	.0096	.1161
#3	.0008	.0028	4.409	.0009	.0103	.0001	-.0012	.0093	.1162
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1906.3	4399.8	34201.	7101.3					
Stddev	5.8	10.0	129.	59.6					
%RSD	.30205	.22727	.37639	.83868					
#1	1904.5	4397.7	34318.	7158.2					
#2	1912.7	4410.7	34063.	7106.4					
#3	1901.6	4391.0	34220.	7039.4					

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Sample Name: FA39966-2F Acquired: 1/6/2017 13:58:55 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0001	0.0532	0.0024	0.0024	0.0000	2.583	-0.0002	-0.0001	0.0009
Stddev	.0001	.0021	.0004	.0002	.000	.007	.0000	.0000	.0003
%RSD	110.0	4.025	15.09	7.728	35.47	.2714	10.01	33.77	29.15
#1	.0000	.0553	.0022	.0024	-.0001	2.589	-.0002	-.0001	.0007
#2	.0000	.0534	.0022	.0022	.0000	2.586	-.0002	-.0001	.0012
#3	-.0002	.0510	.0028	.0026	.0000	2.575	-.0002	-.0001	.0007
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0010	4.000	5.583	1.036					

Sample Name: FA39966-5F Acquired: 1/6/2017 14:03:25 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	5.666	0.002	0.080	0.000	4.061	-0.002	-0.002	0.010
Stddev	0.001	0.054	0.005	0.001	0.000	0.111	0.001	0.001	0.005
%RSD	23.11	9504	281.3	7.836	32.71	2.637	30.64	56.66	45.40
#1	-0.005	5.696	-0.001	0.081	0.000	4.073	-0.002	-0.001	0.011
#2	-0.003	5.604	-0.001	0.079	0.000	4.054	-0.001	-0.001	0.014
#3	-0.003	5.698	0.007	0.080	0.000	4.055	-0.002	-0.003	0.005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)
Avg	-0.007	2.343	1.187	1.858	0.027	0.001	7.151	0.000	-0.003
Stddev	0.001	0.01	0.029	0.022	0.001	0.001	0.026	0.000	0.001
%RSD	11.68	0.346	2.435	1.199	2.888	102.0	3.614	315.7	31.88
#1	-0.008	2.344	1.156	1.877	0.028	0.001	7.135	0.001	-0.004
#2	-0.007	2.342	1.212	1.864	0.028	0.002	7.181	0.000	-0.005
#3	-0.007	2.343	1.194	1.833	0.027	0.000	7.138	-0.001	-0.002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.003	0.012	5.806	0.003	0.019	0.002	-0.006	0.039	0.015
Stddev	0.005	0.014	0.02	0.005	0.002	0.004	0.001	0.000	0.000
%RSD	166.1	118.0	0.361	153.9	1.299	76.25	62.69	1.966	94.75
#1	0.000	0.003	5.804	-0.001	0.019	0.004	-0.009	0.038	0.015
#2	0.000	0.028	5.805	0.002	0.019	0.000	-0.002	0.040	0.015
#3	0.009	0.005	5.808	0.009	0.019	0.003	-0.009	0.039	0.015
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1902.2	4414.4	3407.3	6998.5					
Stddev	1.6	3.6	79.9	8.6					
%RSD	0.08501	0.08112	2.3168	0.12297					
#1	1903.3	4418.5	3413.0	6988.8					
#2	1903.0	4413.3	3410.6	7005.2					
#3	1900.4	4411.6	3398.3	7001.5					

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Sample Name: FA39983-1 Acquired: 1/6/2017 14:07:55 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	3.692	0.024	0.040	0.000	71.90	-0.002	-0.002	0.024
Stddev	0.000	0.143	0.008	0.000	0.000	1.18	0.000	0.001	0.000
%RSD	1.139	3.860	31.65	1.120	937.5	2542	22.71	40.28	3.006
#1	-0.004	3.814	0.017	0.040	0.000	72.10	-0.002	-0.001	0.024
#2	-0.004	3.536	0.032	0.039	0.000	71.74	-0.002	-0.003	0.024
#3	-0.004	3.727	0.022	0.040	0.000	71.87	-0.001	-0.002	0.024
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)
Avg	-0.012	3.820	7.410	2.864	0.022	0.006	15.98	0.004	-0.012
Stddev	0.002	0.018	0.110	0.011	0.000	0.001	0.05	0.001	0.004
%RSD	17.59	4.707	1.487	3.858	2.767	25.04	2.849	26.25	30.76
#1	-0.014	3.810	7.356	2.869	0.022	0.005	16.04	0.003	-0.009
#2	-0.011	3.809	7.337	2.871	0.022	0.005	15.96	0.005	-0.010
#3	-0.010	3.841	7.537	2.851	0.022	0.007	15.95	0.004	-0.016
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.007	0.003	4.914	0.004	0.0345	0.041	-0.009	0.022	0.006
Stddev	0.008	0.024	0.021	0.003	0.002	0.000	0.006	0.001	0.001
%RSD	122.8	930.5	4.382	91.31	1.721	1.192	64.74	3.911	16.29
#1	0.016	0.031	4.898	0.000	0.0343	0.041	-0.004	0.022	0.005
#2	0.003	-0.013	4.906	0.004	0.0344	0.042	-0.007	0.023	0.006
#3	0.001	-0.010	4.939	0.007	0.0347	0.041	-0.015	0.021	0.007
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1843.1	4269.6	3351.8	6908.9					
Stddev	3.3	10.2	79.9	29.7					
%RSD	0.18065	0.23885	2.3646	0.43040					
#1	1841.7	4273.3	3343.2	6874.7					
#2	1840.8	4277.4	3353.3	6923.1					
#3	1847.0	4258.1	3358.9	6928.8					

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Sample Name: FA39906-2 Acquired: 1/6/2017 14:12:25 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.000	0.074	-0.001	0.117	-0.001	79.28	-0.003	-0.001	0.007
Stddev	0.000	0.009	0.010	0.001	0.001	2.2	0.000	0.001	0.004
%RSD	243.1	11.96	699.1	6.092	88.43	2.714	13.76	151.7	60.82
#1	-0.003	0.066	-0.009	0.116	0.000	79.53	-0.003	0.000	0.011
#2	-0.002	0.084	-0.006	0.118	0.000	79.17	-0.003	-0.001	0.008
#3	0.004	0.073	0.010	0.117	-0.001	79.15	-0.002	-0.002	0.002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.109	3.467	1.586	3.964	0.026	0.016	17.01	0.007	-0.007
Stddev	0.003	0.04	0.025	0.019	0.001	0.001	0.05	0.003	0.008
%RSD	2.487	1.161	1.564	4.680	4.573	5.400	2.702	41.43	110.6
#1	0.107	3.468	1.612	3.961	0.025	0.016	16.97	0.007	-0.004
#2	0.108	3.462	1.586	3.947	0.027	0.015	17.06	0.004	-0.001
#3	0.112	3.470	1.562	3.984	0.025	0.017	16.99	0.010	-0.016
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.008	0.009	5.881	0.004	0.0233	0.011	-0.007	0.018	0.0360
Stddev	0.004	0.019	0.02	0.005	0.011	0.001	0.007	0.001	0.001
%RSD	51.84	214.2	0.347	125.8	3.416	5.429	88.68	4.739	1.957
#1	0.012	0.019	5.882	0.010	0.0222	0.011	-0.014	0.018	0.0359
#2	0.008	-0.013	5.879	0.003	0.0244	0.010	-0.008	0.017	0.0359
#3	0.004	0.021	5.883	-0.001	0.0234	0.011	0.000	0.018	0.0360
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1846.2	4285.1	3357.8	6862.2					
Stddev	5.5	3.7	46.15	15.8					
%RSD	2.9819	0.8587	1.3738	0.22987					
#1	1840.1	4283.2	3354.4	6844.0					
#2	1847.8	4282.7	3356.0	6872.2					
#3	1850.8	4289.3	3363.1	6870.3					

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Sample Name: FA39906-3 Acquired: 1/6/2017 14:16:55 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	0.181	-0.014	0.278	-0.001	105.3	-0.002	0.000	0.010
Stddev	0.005	0.059	0.007	0.002	0.000	2	0.000	0.000	0.001
%RSD	156.7	32.38	50.24	8.532	27.17	1.931	17.59	2780	9.059
#1	0.001	0.144	-0.010	0.277	-0.001	105.6	-0.002	0.001	0.010
#2	-0.009	0.249	-0.009	0.277	-0.001	105.2	-0.002	0.000	0.011
#3	-0.002	0.151	-0.022	0.281	-0.001	105.3	-0.002	-0.001	0.010
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.034	2.651	4.392	5.608	0.049	0.114	33.00	0.0289	0.013
Stddev	0.002	0.02	0.024	0.044	0.001	0.002	0.08	0.003	0.002
%RSD	5.049	0.639	5.556						

Sample Name: FA39906-4 Acquired: 1/6/2017 14:21:21 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.0190	-.0018	.0230	.0000	95.94	-.0002	-.0001	.0010
Stddev	.000	.0072	.0010	.0001	.000	.39	.0000	.0001	.0002
%RSD	154.3	38.00	54.18	.4236	41.36	.4039	15.99	67.56	18.95
#1	.0000	.0239	-.0028	.0229	.0000	96.39	-.0002	-.0001	.0012
#2	.0000	.0224	-.0018	.0231	-.0001	95.69	-.0002	-.0002	.0008
#3	.0000	.0107	-.0009	.0230	-.0001	95.75	-.0003	-.0001	.0009
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0202	2.146	2.968	4.833	.0181	.0000	28.34	.0178	-.0003
Stddev	.0001	.003	.043	.052	.0000	.0001	.05	.0003	.0004
%RSD	.3357	.1199	1.433	1.086	.2550	159.3	.1744	1.414	135.5
#1	.0202	2.148	2.992	4.893	.0181	.0000	28.39	.0177	-.0007
#2	.0203	2.145	2.919	4.812	.0182	.0000	28.30	.0175	-.0004
#3	.0203	2.143	2.994	4.795	.0181	.0001	28.32	.0180	.0002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0008	.0012	8.258	.0007	.3349	.0010	-.0006	.0029	.0435
Stddev	.0007	.0022	.023	.0002	.0005	.0000	.0009	.0001	.0002
%RSD	94.06	193.5	.2787	22.77	.1607	2.606	164.6	3.689	.3450
#1	.0003	-.0001	8.283	.0009	.3343	.0010	-.0014	.0030	.0433
#2	.0004	.0037	8.238	.0006	.3349	.0010	-.0008	.0028	.0436
#3	.0016	-.0001	8.252	.0007	.3354	.0009	.0005	.0028	.0436
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1832.5	4283.2	3354.3	6841.8					
Stddev	3.8	19.3	49.	29.2					
%RSD	.20527	.45063	.14661	.42721					
#1	1829.3	4261.4	3355.4	6817.4					
#2	1831.5	4298.2	3358.5	6833.9					
#3	1836.6	4290.0	3348.9	6874.2					

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Sample Name: CCV Acquired: 1/6/2017 14:25:47 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2561	41.59	2.013	2.093	2.084	42.43	2.053	2.056	2.089
Stddev	.0009	.08	.007	.004	.004	.07	.005	.004	.005
%RSD	.3382	.1856	.3545	.2042	.2060	.1544	.2413	.1945	.2304
#1	.2567	41.52	2.011	2.088	2.085	42.42	2.053	2.053	2.093
#2	.2551	41.59	2.007	2.096	2.080	42.38	2.048	2.053	2.084
#3	.2564	41.67	2.021	2.096	2.088	42.50	2.057	2.060	2.090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.030	42.01	41.05	42.24	2.079	2.070	41.17	2.038	2.036
Stddev	.005	.07	.11	.10	.004	.004	.04	.005	.003
%RSD	.2545	.1778	.2586	.2411	.1862	.2118	.0976	.2401	.1269
#1	2.031	42.03	41.05	42.19	2.084	2.068	41.15	2.039	2.034
#2	2.025	41.93	40.95	42.17	2.077	2.067	41.14	2.033	2.039
#3	2.035	42.07	41.16	42.35	2.077	2.075	41.21	2.043	2.035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.011	2.016	1.964	2.082	2.097	2.049	2.043	2.048	2.096
Stddev	.003	.007	.005	.003	.003	.001	.007	.006	.004
%RSD	.1269	.3480	.2501	.1428	.1478	.0593	.3610	.2988	.2118
#1	2.012	2.012	1.962	2.079	2.095	2.050	2.043	2.053	2.093
#2	2.008	2.013	1.960	2.081	2.096	2.047	2.035	2.042	2.094
#3	2.012	2.024	1.970	2.085	2.101	2.049	2.050	2.050	2.101
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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7.1
7

Sample Name: CCV Acquired: 1/6/2017 14:25:47 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1788.6	4367.3	3367.9	6842.6
Stddev	4.2	5.7	58.	22.0
%RSD	.23554	.12971	.17359	.32158
#1	1790.6	4369.6	3368.8	6847.6
#2	1783.8	4371.4	3373.2	6861.6
#3	1791.5	4360.8	3361.6	6818.5

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Sample Name: CCB Acquired: 1/6/2017 14:29:57 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	-.0016	.0002	.0003	.0002	.0042	.0000	.0001	.0000
Stddev	.0001	.0040	.0010	.0000	.0000	.0023	.000	.0001	.000
%RSD	72.35	247.1	447.3	5.161	5.275	55.72	148.2	139.0	2726.0
#1	-.0002	-.0019	-.0002	.0003	.0002	.0067	.0000	.0001	.0001
#2	-.0002	.0025	-.0006	.0003	.0002	.0035	.0000	.0001	-.0001
#3	.0000	-.0054	.0014	.0003	.0001	.0022	-.0001	.0000	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	.0078	.0443	-.0025	.0002	F .0012	.0082	.0001	-.0003
Stddev	.0000	.0009	.0190	.0170	.0000	.0003	.0039	.0001	.0006
%RSD	5.322	12.06	42.84	671.1	26.02	25.52	48.20	66.59	242.2
#1	-.0003	.0087	.0562	-.0002	.0002	.0016	.0038	.0002	.0003
#2	-.0004	.0076	.0224	-.0206	.0001	.0012	.0114	.0000	-.0001
#3	-.0004	.0069	.0544	.0131	.0001	.0009	.0093	.0002	-.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-.0010			
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.0004	.0000	.0001	.0002	.0003	-.0003	.0002	.0001
Stddev	.0014	.0006	.0005	.0002	.0000	.0001	.0007	.0002	.0000
%RSD	148.4	166.1	1208.	193.6	25.63	29.61	258.9	113.4	32.07
#1	.0025	.0000	.0002	-.0001	.0002	.0002	.0005	.0000	.0001
#2	-.0002	.0000	-.0005	.0001	.0001	.0004	-.0005	.0005	.0001
#3	.0006	.0010	.0005	.0004	.0002	.0004	-.0008	.0001	.0001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 1/6/2017 14:29:57 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1976.6	4595.2	35348.	7207.4
Stddev	2.8	7.1	131.	11.4
%RSD	.14051	.15460	.37026	.15837
#1	1975.7	4603.3	35290.	7194.3
#2	1979.7	4590.6	35498.	7215.0
#3	1974.4	4591.5	35257.	7212.9

Sample Name: CCV Acquired: 1/6/2017 14:34:47 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.2502	39.89	1.973	2.023	2.014	40.78	2.004	2.000	2.017
Stddev	.0011	.18	.004	.006	.006	.13	.003	.003	.007
%RSD	.4293	.4498	.2216	.3031	.3187	.3158	.1486	.1598	.3505
#1	.2510	40.06	1.969	2.028	2.018	40.90	2.003	1.998	2.024
#2	.2505	39.90	1.972	2.024	2.018	40.79	2.008	2.004	2.010
#3	.2489	39.71	1.977	2.016	2.007	40.64	2.002	1.998	2.017

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	1.966	40.40	39.88	40.25	2.034	2.020	40.01	1.993	1.982
Stddev	.011	.15	.21	.20	.007	.005	.12	.004	.005
%RSD	.5422	.3650	.5355	.5032	.3365	.2315	.2883	.2063	.2479
#1	1.976	40.53	40.02	40.42	2.042	2.017	40.10	1.989	1.980
#2	1.968	40.43	39.98	40.31	2.033	2.025	40.05	1.997	1.988
#3	1.955	40.24	39.63	40.03	2.028	2.018	39.88	1.993	1.980

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	1.977	1.976	1.922	2.024	2.032	2.013	1.993	1.998	2.032
Stddev	.003	.006	.007	.003	.007	.006	.002	.006	.004
%RSD	.1618	.3181	.3661	.1663	.3547	.2891	.1112	.3196	.1760
#1	1.973	1.969	1.915	2.026	2.038	2.015	1.992	2.003	2.031
#2	1.978	1.978	1.930	2.025	2.034	2.017	1.996	1.999	2.036
#3	1.979	1.981	1.922	2.020	2.024	2.006	1.992	1.991	2.030

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

7.1
7

Sample Name: CCV Acquired: 1/6/2017 14:34:47 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1836.0	4459.5	34516.	7101.7
Stddev	3.2	9.1	255.	21.7
%RSD	.17615	.20450	.73925	.30549
#1	1839.2	4469.8	34227.	7078.5
#2	1832.7	4452.5	34607.	7105.2
#3	1836.0	4456.2	34712.	7121.4

Sample Name: CCB Acquired: 1/6/2017 14:40:48 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0003	.0025	.0006	.0002	.0002	.0025	.0000	.0001	.0000
Stddev	.0002	.0075	.0002	.0000	.0000	.0017	.000	.0000	.0001
%RSD	91.66	298.5	37.86	26.09	17.50	69.30	207.4	78.95	563.0
#1	.0005	.0034	.0006	.0001	.0002	.0041	.0000	.0001	.0000
#2	.0000	.0095	.0004	.0002	.0002	.0025	.0000	.0000	.0001
#3	.0003	-.0054	.0009	.0002	.0002	.0007	.0000	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-.0004	.0072	.0389	.0139	.0001	.0005	.0020	.0001	-.0005
Stddev	.0003	.0020	.0073	.0037	.0000	.0002	.0042	.0001	.0003
%RSD	68.67	28.27	18.74	26.94	32.46	34.75	212.0	80.92	67.98
#1	-.0001	.0072	.0339	.0167	.0002	.0006	.0030	.0001	-.0007
#2	-.0007	.0053	.0357	.0096	.0001	.0006	.0056	.0002	-.0001
#3	-.0005	.0093	.0473	.0153	.0001	.0003	-.0026	.0000	-.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0007	-.0005	.0000	.0002	.0002	.0002	F.0023	.0003	.0000
Stddev	.0004	.0012	.000	.0004	.0001	.0001	.0009	.0001	.0001
%RSD	58.94	247.5	1280.	158.9	33.03	54.44	40.15	50.11	217.8
#1	.0010	-.0001	-.0003	.0004	.0003	.0001	.0019	.0003	.0000
#2	.0002	.0005	.0000	-.0002	.0001	.0001	.0016	.0001	.0001
#3	.0008	-.0018	.0002	.0004	.0002	.0003	.0033	.0004	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 1/6/2017 14:40:48 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1967.5	4600.2	35074.	7089.2
Stddev	2.2	5.6	88.	32.0
%RSD	.11311	.12136	.25101	.45127

#1	1969.8	4604.3	35001.	7057.9
#2	1965.3	4602.5	35171.	7121.9
#3	1967.3	4593.9	35049.	7087.7

Sample Name: FA39906-5 Acquired: 1/6/2017 14:44:53 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-0.002	0.180	0.001	0.171	0.001	90.51	-0.001	0.000	0.019
Stddev	0.003	0.023	0.018	0.001	0.001	25	0.001	0.000	0.002
%RSD	144.1	13.04	2261.	.7863	46.80	.2817	60.30	295.0	10.95

#1	-0.005	0.181	0.007	0.173	0.002	90.62	0.000	0.001	0.021
#2	-0.002	0.203	0.015	0.171	0.001	90.22	-0.002	0.000	0.021
#3	0.001	0.156	-0.020	0.170	0.001	90.70	-0.002	-0.002	0.017

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	0.822	1.873	2.708	4.571	0.029	0.005	35.32	0.010	0.027
Stddev	0.006	0.009	0.013	0.037	0.001	0.000	0.07	0.002	0.003
%RSD	.6864	.4727	.4781	.8186	.4884	3.914	.1876	2.069	11.76

#1	0.823	1.866	2.720	4.574	0.028	0.005	35.37	0.010	0.023
#2	0.827	1.872	2.711	4.532	0.028	0.005	35.25	0.010	0.028
#3	0.816	1.883	2.694	4.606	0.021	0.005	35.34	0.008	0.029

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	0.010	0.013	9.612	0.004	0.3658	0.014	0.009	0.027	0.443
Stddev	0.009	0.009	0.222	0.004	0.006	0.001	0.021	0.003	0.000
%RSD	87.55	67.77	.2340	120.0	.1752	7.094	241.3	11.05	1.075

#1	0.004	0.007	9.636	0.005	0.3664	0.013	-0.015	0.025	0.433
#2	0.006	0.008	9.607	0.007	0.3652	0.015	0.015	0.026	0.433
#3	0.020	0.023	9.592	-0.001	0.3658	0.013	0.026	0.030	0.434

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	1852.5	4327.5	33818.	6904.0
Stddev	3.5	15.9	113.	15.2
%RSD	.18643	.36843	.33472	.22011

#1	1850.1	4312.3	33866.	6908.5
#2	1850.9	4326.1	33689.	6916.4
#3	1856.4	4344.1	33899.	6887.0

7.1
7

Sample Name: FA39906-6 Acquired: 1/6/2017 14:49:22 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_3600)	Cr2677 (Y_3600)
Avg	0.000	0.148	-0.013	0.152	0.000	81.27	-0.001	-0.001	0.011
Stddev	0.002	0.029	0.004	0.001	0.000	.29	0.000	0.001	0.002
%RSD	325.4	19.52	33.39	.8294	184.2	.3517	9.278	153.8	14.80

#1	0.002	0.123	-0.008	0.151	0.000	80.94	-0.001	-0.002	0.010
#2	0.000	0.142	-0.016	0.153	0.000	81.48	-0.001	-0.001	0.013
#3	-0.001	0.180	-0.014	0.153	0.000	81.38	-0.001	0.001	0.012

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_3710)	Na5895 (Y_2243)	Ni2316 (In2306)	Pb2203 (In2306)
Avg	-0.014	2.656	1.470	3.851	0.107	0.007	53.50	0.097	-0.024
Stddev	0.002	0.18	0.15	0.09	0.000	0.001	.11	0.001	0.008
%RSD	12.57	.6794	1.035	.2328	.2149	13.30	2.130	1.385	33.88

#1	-0.015	2.646	1.456	3.841	0.108	0.007	53.56	0.096	-0.033
#2	-0.012	2.677	1.467	3.857	0.108	0.008	53.56	0.097	-0.024
#3	-0.015	2.646	1.486	3.856	0.107	0.006	53.36	0.099	-0.016

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_3710)	Sr4077 (Y_3600)	Ti3349 (In2306)	Tl1908 (Y_3600)	V_2924 (Y_2243)	Zn2062 (Y_2243)
Avg	0.016	0.010	9.105	0.003	0.3615	0.012	0.000	0.019	0.056
Stddev	0.006	0.011	0.115	0.003	0.011	0.002	0.015	0.002	0.001
%RSD	37.77	107.9	1.259	123.7	.3107	14.59	5911.	9.664	1.270

#1	0.010	0.010	9.186	0.006	0.3626	0.011	-0.015	0.019	0.056
#2	0.015	0.021	9.155	-0.001	0.3617	0.014	0.001	0.021	0.055
#3	0.022	-0.001	8.974	0.003	0.3603	0.011	0.015	0.017	0.057

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	1845.0	4312.1	33597.	6830.3
Stddev	8.9	31.7	67.	17.8
%RSD	48381	.73400	.19823	.26103

#1	1838.7	4290.1	33574.	6848.9
#2	1841.0	4297.9	33544.	6813.4
#3	1855.2	4348.4	33672.	6828.6

Sample Name: MP31440-MB2A Acquired: 1/6/2017 14:53:53 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	0.000	-0.067	-0.019	0.001	-0.001	0.366	-0.002	-0.003	0.002
Stddev	0.001	0.050	0.010	0.002	0.000	0.020	0.000	0.001	0.002
%RSD	6120.	74.63	53.01	425.8	39.08	5.515	21.45	22.99	116.3

#1	0.000	-0.097	-0.030	0.001	0.000	0.355	-0.001	-0.002	0.001
#2	-0.001	-0.009	-0.011	-0.002	-0.001	0.355	-0.002	-0.003	0.000
#3	0.001	-0.096	-0.016	0.002	-0.001	0.390	-0.002	-0.003	0.004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	0.014	0.043	0.457	0.070	0.002	-0.003	0.694	-0.002	-0.005
Stddev	0.002	0.019	0.031	0.061	0.000	0.000	0.067	0.002	0.003
%RSD	13.07	43.89	6.870	87.73	23.40	12.32	9.633	78.35	69.50

#1	0.014	0.064	0.450	0.000	0.002	-0.003	0.640	-0.004	-0.002
#2	0.016	0.032	0.491	0.095	0.002	-0.002	0.673	-0.001	-0.005
#3	0.013	0.031	0.429	0.114	0.003	-0.003	0.769	-0.001	-0.008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	0.007	-0.007	3.005	0.003	0.002	0.000	-0.001	-0.002	0.058
Stddev	0.007	0.015	0.04	0.002	0.000	0.001	0.018	0.002	0.001
%RSD	101.7	204.4	.1341	56.22	15.22	407.6	1510.	96.45	1.855

#1	0.005	-0.008	3.007	0.005	0.002	-0.001	0.019	-0.003	0.057
#2	0.001	-0.008	3.001	0.002	0.000	-0.000	-0.017	0.000	0.059
#3	0.015	-0.022	3.008	0.002	0.001	0.001	-0.006	-0.002	0.058

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: MP31440-MB2A Acquired: 1/6/2017 14:53:53 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1904.6	4424.0	34064.	6993.5
Stddev	.9	6.8	13.	32.3
%RSD	.04933	.15423	.03834	.46183
#1	1903.6	4420.8	34077.	7026.5
#2	1904.9	4431.8	34065.	6991.8
#3	1905.4	4419.3	34051.	6962.0

Sample Name: MP31440-MB1 Acquired: 1/6/2017 14:58:25 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm
Avg	-0.003	-0.023	-0.010	-0.001	-0.001	0.148	-0.002	-0.004
Stddev	.0003	.0029	.0006	.0001	.0001	.0035	.0000	.0001
%RSD	77.03	124.2	58.84	79.87	49.17	23.45	12.06	18.07
#1	-0.006	-0.056	-0.011	-0.001	-0.001	0.119	-0.002	-0.004
#2	-0.001	-0.003	-0.015	-0.001	.0000	0.139	-0.002	-0.004
#3	-0.003	-0.011	-0.004	.0000	-0.001	0.187	-0.002	-0.005

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem Units	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm
Avg	.0003	.0050	.0079	.0070	.0050	.0001	-0.004	.0145
Stddev	.0002	.0001	.0012	.0176	.0140	.0000	.0001	.0069
%RSD	62.96	2.148	15.36	250.8	278.4	10.33	37.82	48.05
#1	.0001	.0051	.0089	.0247	.0203	.0002	-0.003	.0159
#2	.0005	.0049	.0082	.0176	-0.072	.0001	-0.003	.0206
#3	.0003	.0050	.0066	-0.106	.0020	.0001	-0.006	.0069

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem Units	Ni2316 ppm	Pb2203 ppm	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm
Avg	-0.0006	-0.0037	.0006	.0005	19.51	.0001	.0000	.0000
Stddev	.0001	.0002	.0013	.0014	.03	.0001	.000	.000
%RSD	9.777	6.501	212.2	267.1	.1555	181.0	228.5	384.6
#1	-0.006	-0.035	-0.003	.0019	19.51	.0002	-0.001	.0000
#2	-0.005	-0.040	.0021	.0007	19.54	.0000	.0000	.0000
#3	-0.006	-0.036	.0000	-0.010	19.48	.0000	.0000	-0.001

Check ? High Limit Low Limit
 Chk Pass Chk Fail Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass

Sample Name: MP31440-MB1 Acquired: 1/6/2017 14:58:25 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	-0.0013	.0002	.0008
Stddev	.0013	.0003	.0000
%RSD	95.92	142.0	2.802
#1	-0.0006	-0.0001	.0008
#2	-0.0028	.0002	.0008
#3	-0.0006	.0005	.0008

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1924.0	4491.5	34244.	7042.0
Stddev	3.2	1.9	73.	35.6
%RSD	.16651	.04300	.21174	.50496
#1	1927.0	4491.1	34236.	7040.9
#2	1920.6	4489.8	34177.	7007.0
#3	1924.2	4493.6	34321.	7078.1

Sample Name: MP31446-B1 Acquired: 1/6/2017 15:02:58 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0479	28.84	1.990	2.135	.0532	27.61	.0505	.5079	.2084
Stddev	.0003	.08	.002	.010	.0002	.10	.0001	.0012	.0006
%RSD	.7022	.2777	.1211	.4520	.4558	.3592	.2533	.2380	.3004
#1	.0482	28.83	1.993	2.142	.0534	27.52	.0506	.5093	.2079
#2	.0478	28.92	1.990	2.138	.0530	27.72	.0505	.5072	.2083
#3	.0475	28.76	1.988	2.124	.0531	27.60	.0503	.5072	.2091

Check ? Value Range
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.2635	28.36	26.52	26.86	.5253	.5287	26.44	.5101	.4911
Stddev	.0006	.06	.17	.13	.0012	.0005	.13	.0002	.0004
%RSD	.2183	.2114	.6399	.4659	.2278	.0971	.5028	.0420	.0853
#1	.2637	28.42	26.70	26.72	.5267	.5293	26.60	.5103	.4916
#2	.2639	28.37	26.37	26.97	.5246	.5282	26.35	.5099	.4907
#3	.2629	28.30	26.48	26.89	.5246	.5286	26.39	.5100	.4911

Check ? Value Range
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.5033	1.963	19.16	.5354	.5279	.5284	1.976	.5027	.5198
Stddev	.0012	.007	.02	.0007	.0021	.0020	.011	.0008	.0016
%RSD	.2296	.3493	.1182	.1373	.4029	.3706	.5488	.1580	.3041
#1	.5040	1.966	19.19	.5362	.5304	.5306	1.987	.5030	.5216
#2	.5019	1.955	19.16	.5348	.5267	.5275	1.977	.5017	.5188
#3	.5038	1.967	19.14	.5353	.5267	.5270	1.965	.5032	.5189

Check ? Value Range
 Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass

Sample Name: MP31446-B1 Acquired: 1/6/2017 15:02:58 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1848.7	4443.2	34159.	6962.0
Stddev	1.9	4.0	96.	19.1
%RSD	.10350	.08925	.28006	.27399

#1	1848.2	4442.2	34163.	6983.4
#2	1847.2	4439.8	34253.	6946.7
#3	1850.9	4447.6	34062.	6956.1

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Sample Name: FA39978-3 Acquired: 1/6/2017 15:07:12 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	0.437	-0.004	0.753	0.000	2.730	0.018	0.050	0.009
Stddev	.0002	.0095	.0004	.0005	.000	.013	.0000	.0001	.0001
%RSD	62.69	21.62	110.7	.6567	59.31	.4613	2.122	1.976	9.644

#1	-0.004	.0521	-0.001	.0758	.0000	2.740	.0018	.0049	.0009
#2	-0.001	.0457	-0.002	.0748	.0000	2.716	.0019	.0051	.0009
#3	-0.004	.0335	-0.008	.0753	.0000	2.735	.0018	.0050	.0010

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.063	0.244	5.689	1.872	0.035	0.003	F 165.1	0.008	-0.023
Stddev	.0001	.0034	.0331	.0171	.0000	.0002	1.3	.0002	.0005
%RSD	2.024	14.13	5.824	9.120	.9065	73.26	.7787	18.25	19.89

#1	.0064	.0223	.5315	.2021	.0035	.0004	166.4	.0010	-0.027
#2	.0063	.0284	.5808	.1686	.0035	.0003	163.8	.0007	-0.018
#3	.0062	.0225	.5945	.1910	.0035	.0001	165.1	.0008	-0.025

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.009	0.014	18.82	0.006	0.0547	0.001	0.004	0.002	1.634
Stddev	.0008	.0001	.01	.0003	.0001	.0001	.0013	.0002	.004
%RSD	84.03	9.590	.0771	39.24	.1508	65.97	292.7	85.78	.2221

#1	.0017	.0015	18.80	.0009	.0547	.0002	.0017	.0004	1.630
#2	.0001	.0013	18.83	.0006	.0546	.0001	-0.0009	.0002	1.637
#3	.0010	.0013	18.82	.0004	.0546	.0001	.0005	.0000	1.635

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	1852.1	4373.2	34236.	7006.5
Stddev	6.3	5.4	63.	54.1
%RSD	.33930	.12311	.18332	.77234

#1	1844.9	4367.1	34216.	6947.2
#2	1856.3	4374.8	34307.	7053.3
#3	1855.2	4377.5	34186.	7018.9

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7.1
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Sample Name: MP31446-D1 Acquired: 1/6/2017 15:11:51 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.003	0.440	-0.011	0.749	-0.001	2.828	0.019	0.050	0.007
Stddev	.0002	.0049	.0009	.0002	.0001	.017	.0000	.0001	.0001
%RSD	59.52	11.23	86.94	.3230	121.7	.5879	1.414	2.312	13.05

#1	-0.005	.0425	-0.021	.0746	-0.001	2.846	.0019	.0049	.0007
#2	-0.001	.0496	-0.008	.0751	.0000	2.813	.0019	.0050	.0008
#3	-0.003	.0400	-0.003	.0750	-0.001	2.825	.0018	.0051	.0007

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(In2306)
Avg	0.058	0.204	5.728	3.857	0.045	-0.002	F 167.6	0.009	-0.029
Stddev	.0001	.0008	.0280	.0069	.0000	.0001	3.6	.0000	.0003
%RSD	2.515	3.830	4.891	1.799	.2605	37.86	2.163	2.966	10.93

#1	.0058	.0209	.5834	.3839	.0045	-0.001	171.3	.0009	-0.030
#2	.0060	.0195	.5411	.3799	.0045	-0.002	167.6	.0010	-0.031
#3	.0057	.0208	.5940	.3934	.0045	-0.003	164.0	.0010	-0.025

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.012	0.008	17.96	0.008	0.0565	0.001	-0.006	0.000	1.629
Stddev	.0005	.0014	.01	.0003	.0002	.0000	.0011	.0001	.002
%RSD	41.80	163.9	.0338	34.02	.2927	33.54	195.6	121.0	.1412

#1	.0016	-0.0006	17.96	.0005	.0567	.0001	-0.004	-0.001	1.629
#2	.0015	.0009	17.97	.0008	.0565	.0002	-0.0017	.0002	1.626
#3	.0006	.0021	17.96	.0010	.0564	.0001	.0004	-0.001	1.631

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	1860.2	4386.2	34445.	7128.2
Stddev	4.8	8.1	77.	52.8
%RSD	.25549	.18428	.22438	.74066

#1	1859.2	4380.9	34362.	7069.7
#2	1865.4	4395.5	34460.	7172.4
#3	1856.0	4382.1	34514.	7142.5

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Sample Name: MP31446-SD1 Acquired: 1/6/2017 15:16:30 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.017	0.544	0.007	0.687	-0.003	2.515	0.014	0.044	0.002
Stddev	.0013	.0165	.0060	.0004	.0000	.008	.0002	.0005	.0003
%RSD	76.47	30.38	914.7	.5965	9.525	.3103	16.19	10.35	137.1

#1	-0.002	.0686	.0074	.0689	-0.003	2.509	.0011	.0044	-0.001
#2	-0.021	.0363	-0.040	.0682	-0.002	2.524	.0014	.0049	.0005
#3	-0.027	.0582	-0.015	.0689	-0.002	2.513	.0015	.0040	.0003

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.045	0.137	6.723	1.842	0.031	-0.015	155.2	0.018	-0.036
Stddev	.0005	.0036	.1172	.0354	.0000	.0004	.3	.0004	.0028
%RSD	11.73	26.68	17.44	19.24	.9870	25.55	.2232	22.68	78.62

#1	.0049	.0143	.7330	.2033	.0032	-0.019	155.5	.0023	-0.067
#2	.0046	.0097	.5371	.2061	.0031	-0.011	154.9	.0015	-0.023
#3	.0039	.0169	.7467	.1433	.0031	-0.015	155.3	.0016	-0.016

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.027	-0.023	17.25	0.002	0.050	-0.007	0.049	-0.007	1.545
Stddev	.0026	.0033	.00	.0014	.0003	.0001	.0089	.0009	.003
%RSD	95.30	142.2	.0191	726.9	.5824	17.25	182.3	122.6	.1648

#1	.0018	-0.0058	17.25	-0.012	.0503	-0.009	.0061	-0.008	1.546
#2	.0056	-0.0019	17.25	.0016	.0497	-0.006	.0131	-0.015	1.542
#3	.0007	.0008	17.25	.0002	.0500	-0.008	-0.0045	.0002	1.547

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	1961.2	4580.3	35262.	7158.1
Stddev	4.5	5.8	115.	23.3
%RSD	.22929	.12567	.32713	.32541

#1	1962.2	4575.1	35212.	7137.8
#2	1956.2	4579.3	35181.	7153.0
#3	1965.1	4586.5	35394.	7183.5

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Sample Name: MP31446-S1 Acquired: 1/6/2017 15:21:00 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0491	29.01	2.057	2.209	.0536	30.06	.0527	5.146	2.083
Stddev	.0004	.07	.011	.002	.0002	.09	.0002	.0026	.0014
%RSD	.9085	.2269	.5303	.0819	.3398	.2973	.3388	.5071	.6607
#1	.0488	28.95	2.046	2.210	.0534	29.96	.0525	5.117	2.084
#2	.0496	29.08	2.059	2.207	.0537	30.14	.0528	5.155	2.069
#3	.0490	29.00	2.067	2.210	.0538	30.08	.0528	5.167	2.097
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.684	28.34	27.48	26.72	5.200	5.326	F 192.0	5.134	4.982
Stddev	.0011	.08	.09	.14	.0009	.0027	2.8	.0013	.0016
%RSD	.3942	.2975	.3205	.5399	.1726	.5005	1.479	.2458	.3287
#1	2.676	28.25	27.49	26.56	.5211	5.296	188.9	5.119	4.965
#2	2.681	28.42	27.56	26.83	.5196	5.338	192.9	5.139	4.982
#3	2.696	28.35	27.39	26.79	.5194	5.345	194.3	5.143	4.998
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.160	2.041	18.05	5.337	5.529	1.988	4.993	2.131	2.243
Stddev	.0010	.015	.11	.0022	.0010	.0005	.016	.0019	.006
%RSD	.2024	.7088	.6267	.4194	.1708	.0964	.8203	.3777	.2863
#1	5.155	2.024	17.92	5.316	.5856	5.238	1.971	5.015	2.125
#2	5.153	2.048	18.10	5.335	.5855	5.244	1.989	4.985	2.132
#3	5.172	2.050	18.13	5.361	.5839	5.234	2.003	4.980	2.137
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1764.9	4297.4	33720	6885.6					
Stddev	8.5	18.7	138.	42.7					
%RSD	.48249	.43558	.40782	.61957					
#1	1774.3	4317.8	33722.	6934.4					
#2	1762.6	4293.2	33856.	6855.9					
#3	1757.7	4281.0	33581.	6866.4					

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Sample Name: CCV Acquired: 1/6/2017 15:29:45 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.516	40.86	1.980	2.042	2.051	41.73	2.024	2.019	2.062
Stddev	.0006	.15	.005	.009	.010	.20	.004	.001	.005
%RSD	.2527	.3608	.2515	.4282	.4772	.4789	.2075	.0456	.2234
#1	.2518	40.85	1.980	2.047	2.049	41.66	2.025	2.020	2.063
#2	.2521	41.02	1.986	2.047	2.061	41.95	2.028	2.019	2.058
#3	.2509	40.72	1.976	2.032	2.042	41.57	2.020	2.018	2.067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	Range	Range	Range	Range	Range	Range	Range	Range	Range
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.997	41.40	40.42	41.81	2.051	2.030	40.34	2.009	2.013
Stddev	.005	.17	.16	.32	.004	.002	.13	.004	.006
%RSD	.2757	.4177	.4074	.7639	.2087	.0932	.3314	.2175	.3152
#1	1.999	41.37	40.37	41.62	2.055	2.028	40.34	2.010	2.021
#2	2.000	41.59	40.60	42.18	2.050	2.032	40.47	2.012	2.010
#3	1.990	41.25	40.28	41.64	2.047	2.030	40.20	2.004	2.009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	Range	Range	Range	Range	Range	Range	Range	Range	Range
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.974	1.979	1.926	2.049	2.062	2.017	2.013	2.020	2.066
Stddev	.004	.007	.005	.003	.007	.007	.005	.004	.002
%RSD	.1888	.3321	.2425	.1338	.3249	.3475	.2488	.2107	.0766
#1	1.973	1.980	1.928	2.050	2.063	2.024	2.018	2.024	2.066
#2	1.978	1.984	1.928	2.051	2.067	2.018	2.011	2.019	2.067
#3	1.971	1.971	1.920	2.046	2.054	2.010	2.009	2.016	2.064
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	Range	Range	Range	Range	Range	Range	Range	Range	Range

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Sample Name: MP31446-S2 Acquired: 1/6/2017 15:25:23 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0481	28.74	2.058	2.197	.0535	29.75	.0528	5.119	2.057
Stddev	.0005	.10	.008	.013	.0001	.07	.0002	.0021	.0006
%RSD	1.121	.3380	.4032	.5742	.1164	.2350	.2982	.4078	.2930
#1	.0479	28.84	2.051	2.210	.0535	29.83	.0527	5.100	2.051
#2	.0476	28.71	2.055	2.196	.0536	29.70	.0528	5.116	2.063
#3	.0487	28.65	2.067	2.184	.0535	29.71	.0530	5.141	2.057
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.722	28.21	27.47	26.45	5.196	5.327	F 192.5	5.143	4.970
Stddev	.0010	.06	.05	.13	.0005	.0021	1.2	.0022	.0025
%RSD	.3570	.1981	.1649	.5073	.0960	.3992	.6316	.4202	.4970
#1	2.724	28.27	27.52	26.43	.5191	5.315	191.6	5.131	4.942
#2	2.731	28.17	27.47	26.59	.5195	5.314	192.0	5.129	4.978
#3	2.712	28.18	27.43	26.33	.5201	5.351	193.9	5.168	4.989
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.140	2.046	17.80	5.313	5.568	5.272	1.984	5.005	2.127
Stddev	.0023	.011	.07	.0018	.0014	.0021	.008	.0017	.004
%RSD	.4395	.5435	.3949	.3324	.2386	.3912	.3857	.3438	.1951
#1	5.149	2.045	17.76	5.297	.5884	5.268	1.976	4.991	2.122
#2	5.115	2.035	17.75	5.311	.5860	5.255	1.984	5.000	2.129
#3	5.157	2.057	17.88	5.332	.5859	5.295	1.991	5.024	2.130
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1775.1	4309.6	33948.	6956.3					
Stddev	8.6	21.6	45.	23.7					
%RSD	.48493	.50011	.13250	.34070					
#1	1783.8	4326.9	33965.	6981.9					
#2	1774.8	4316.5	33897.	6951.7					
#3	1766.6	4285.5	33982.	6935.2					

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Sample Name: CCV Acquired: 1/6/2017 15:29:45 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	1818.0	4445.9	34206.	6908.1					
Stddev	3.1	2.0	111.	24.0					
%RSD	.17280	.04413	.32573	.34750					
#1	1814.4	4448.1	34089.	6930.6					
#2	1819.4	4444.3	34218.	6882.8					
#3	1820.3	4445.5	34311.	6910.8					

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Sample Name: CCB Acquired: 1/6/2017 15:33:58 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0020	.0004	.0003	.0001	-0.0028	.0000	.0000	.0003
Stddev	.0004	.0021	.0004	.0001	.0001	.0014	.000	.000	.0003
%RSD	222.4	106.0	97.28	43.54	79.46	49.35	162.6	283.0	92.47

#1	-0.001	.0018	.0002	.0002	.0000	-0.013	.0000	.0001	.0007
#2	-0.002	.0041	.0002	.0004	.0001	-0.029	.0000	-0.001	.0003
#3	-0.006	.0000	.0009	.0002	.0001	-0.041	-0.001	-0.001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0056	.0263	-0.1110	.0001	F .0011	.0236	.0002	.0000
Stddev	.0002	.0007	.0481	.0073	.0000	.0004	.0078	.0001	.001
%RSD	95.28	12.76	182.8	66.59	39.96	34.44	33.17	53.22	2975.

#1	.0000	.0060	.0518	-.0193	.0000	.0015	.0326	.0002	.0000
#2	-0.003	.0048	.0563	-.0055	.0001	.0009	.0199	.0001	-0.011
#3	-0.003	.0060	-.0291	-.0082	.0001	.0008	.0184	.0003	.0010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0008	-0.0001	.0002	.0001	.0003	F .0021	.0002	.0000
Stddev	.0015	.0006	.0001	.0003	.0001	.0001	.0004	.0002	.000
%RSD	925.9	73.28	92.21	157.7	60.42	28.80	18.49	153.5	183.8

#1	-0.013	.0007	.0000	-0.001	.0001	.0002	.0025	.0004	.0000
#2	.0000	.0013	-.0002	.0005	.0000	.0003	.0022	.0001	.0000
#3	.0017	.0003	-.0002	.0002	.0001	.0002	.0017	.0000	-0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 1/6/2017 15:33:58 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1952.4	4565.3	34830.	6977.4
Stddev	3.5	10.4	78.	11.0
%RSD	.17682	.22805	.22469	.15775

#1	1956.2	4574.0	34758.	6965.6
#2	1949.5	4568.1	34913.	6979.3
#3	1951.4	4553.8	34820.	6987.4

Sample Name: FA39969-3L Acquired: 1/6/2017 15:38:30 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	.0120	.0001	.0052	.0000	3.439	-0.001	-0.002	.0002
Stddev	.0003	.0025	.0015	.0001	.0000	.010	.0000	.0001	.0001
%RSD	324.3	21.15	182.4	2.767	91.78	.2911	40.75	40.05	74.13

#1	.0002	.0143	-.0005	.0053	.0000	3.448	-.0001	-.0003	.0002
#2	-0.001	.0124	.0018	.0050	.0001	3.440	-.0001	-.0002	.0002
#3	-0.003	.0093	-.0010	.0052	.0000	3.428	-.0001	-.0002	.0000

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0777	.0051	.1920	.1317	.0104	.0001	F 151.1	-0.002	.0003
Stddev	.0005	.0014	.0122	.0057	.0000	.0003	.8	.0000	.0006
%RSD	695.1	26.64	6.375	4.325	.1866	323.7	.5583	23.23	201.8

#1	.0781	.0052	.1816	.1269	.0104	-.0001	152.0	-.0002	.0000
#2	.0771	.0065	.1889	.1380	.0104	.0004	150.3	-.0002	.0010
#3	.0780	.0037	.2055	.1303	.0104	.0000	151.1	-.0002	-.0001

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0003	.0006	17.89	.0009	.0371	.0003	.0002	.0003	.0511
Stddev	.0005	.0013	.01	.0002	.0002	.0001	.0007	.0002	.0003
%RSD	165.4	215.6	.0826	26.78	.5708	36.45	389.6	78.98	.4959

#1	.0005	.0012	17.90	.0012	.0373	.0002	.0009	.0003	.0514
#2	-0.003	-.0009	17.90	.0007	.0368	.0004	-.0001	.0004	.0511
#3	.0007	.0015	17.88	.0008	.0371	.0003	-.0003	.0001	.0509

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1866.0	4408.2	34381.	7023.4
Stddev	7.3	6.8	105.	55.7
%RSD	.39031	.15392	.30668	.79270

#1	1861.4	4403.5	34310.	6970.0
#2	1874.4	4416.0	34502.	7019.0
#3	1862.2	4405.0	34330.	7081.1

Sample Name: FA40015-1 Acquired: 1/6/2017 15:43:08 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	.0712	-0.0019	.8433	.0000	214.5	-0.001	-0.004	.0016
Stddev	.0004	.0167	.0008	.0023	.0000	.7	.0000	.0001	.0001
%RSD	174.3	23.48	43.85	.2726	137.5	.3412	18.73	28.71	8.350

#1	-.0001	.0662	-.0013	.8438	.0000	213.6	-.0002	-.0005	.0014
#2	.0001	.0898	-.0016	.8409	.0000	215.0	-.0001	-.0003	.0017
#3	-.0006	.0575	-.0028	.8454	.0000	214.8	-.0001	-.0003	.0016

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0057	.0038	6.309	.0062	.0001	.0017	31.04	-0.005	-0.040
Stddev	.0002	.0006	.046	.0043	.0000	.0002	.13	.0002	.0004
%RSD	4.176	16.41	.7347	68.76	57.83	13.96	.4312	33.63	9.620

#1	.0054	.0033	6.343	.0103	.0001	.0020	31.15	-.0003	-.0036
#2	.0058	.0036	6.256	.0018	.0001	.0017	30.89	-.0005	-.0042
#3	.0059	.0045	6.328	.0064	.0000	.0015	31.07	-.0006	-.0042

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0006	.0037	18.58	.0005	.4573	.0002	-0.011	.0001	.0014
Stddev	.0008	.0005	.05	.0002	.0028	.0000	.0008	.0002	.0001
%RSD	124.1	14.68	.2438	40.27	.6074	3.900	71.65	145.4	8.923

#1	.0006	.0034	18.57	.0006	.4588	.0002	-.0014	-.0001	.0015
#2	.0014	.0033	18.54	.0005	.4541	.0002	-.0017	.0003	.0013
#3	-.0002	.0043	18.63	.0003	.4590	.0002	-.0002	.0002	.0016

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1829.4	4311.5	34027.	6982.4
Stddev	1.9	6.7	97.	5.1
%RSD	.10319	.15633	.28525	.07252

#1	1831.6	4310.9	34121.	6981.3
#2	1828.6	4318.5	33927.	6978.0
#3	1828.1	4305.0	34033.	6988.0

Sample Name: TC96732-1A Acquired: 1/6/2017 15:47:46 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.0238	.0014	.0403	.0000	238.8	.0004	.0035	.8574
Stddev	.0002	.0074	.0010	.0002	.000	1.8	.0000	.0001	.0030
%RSD	925.2	31.06	68.74	.5739	316.6	.7335	3.289	2.361	.3456
#1	.0003	.0210	.0005	.0403	.0000	237.8	.0004	.0035	.8601
#2	-.0001	.0322	.0025	.0401	.0000	240.8	.0004	.0036	.8542
#3	.0000	.0182	.0013	.0406	.0000	237.8	.0004	.0036	.8580
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0187	.0039	14.90	12.63	.0334	.0364	27.13	.0476	-.0041
Stddev	.0002	.0013	.02	.13	.0001	.0003	.12	.0004	.0008
%RSD	1.109	33.24	.1061	1.018	.3457	.8669	4.259	.8808	18.77
#1	.0190	.0026	14.89	12.51	.0336	.0360	27.00	.0481	-.0032
#2	.0187	.0039	14.91	12.61	.0334	.0367	27.18	.0473	-.0047
#3	.0185	.0052	14.92	12.76	.0334	.0364	27.21	.0474	-.0044
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0095	.0040	21.90	.0006	.2658	.0005	-.0009	.0088	.4183
Stddev	.0004	.0005	.06	.0002	.0006	.0002	.0016	.0001	.0005
%RSD	3.792	11.55	.2901	35.51	.2073	41.63	165.9	1.612	1.251
#1	.0099	.0038	21.97	.0007	.2655	.0003	-.0019	.0090	.4187
#2	.0094	.0037	21.87	.0004	.2654	.0005	-.0018	.0087	.4185
#3	.0092	.0046	21.85	.0008	.2664	.0007	.0009	.0087	.4177
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1813.9	4266.5	3370.1	6898.8					
Stddev	5.6	14.2	146.	19.8					
%RSD	.31027	.33216	.43224	.28729					
#1	1809.5	4255.7	33564.	6921.5					
#2	1812.0	4261.3	33854.	6884.8					
#3	1820.3	4282.6	33685.	6890.2					

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Sample Name: TC96732-2A Acquired: 1/6/2017 15:52:19 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.0176	.0003	.0580	-.0001	256.2	.0003	.0017	.8030
Stddev	.0002	.0106	.0014	.0002	.0000	1.0	.0001	.0001	.0050
%RSD	641.4	60.18	536.0	.3389	40.72	.3943	21.26	4.487	.6239
#1	.0000	.0220	.0017	.0582	.0000	255.3	.0003	.0017	.8016
#2	-.0002	.0055	.0003	.0580	-.0001	257.3	.0003	.0017	.8085
#3	-.0001	.0253	-.0012	.0578	-.0001	255.9	.0002	.0016	.7988
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1107	.0059	18.99	10.94	.0268	.0413	31.97	.0182	.0006
Stddev	.0003	.0003	.01	.05	.0001	.0002	.07	.0002	.0006
%RSD	.2618	4.840	.0713	.4415	.3089	.4330	.2173	1.092	109.9
#1	.1106	.0059	18.98	10.91	.0268	.0411	32.05	.0184	.0005
#2	.1110	.0056	19.00	10.99	.0269	.0415	31.91	.0181	.0000
#3	.1104	.0061	19.00	10.91	.0268	.0414	31.95	.0181	.0013
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0211	.0048	21.10	.0006	.3297	.0004	-.0008	.0063	.2234
Stddev	.0008	.0015	.03	.0004	.0010	.0001	.0019	.0000	.0005
%RSD	3.556	31.85	.1418	75.28	.2951	18.26	219.3	.4561	.2111
#1	.0218	.0035	21.09	.0006	.3306	.0004	.0013	.0063	.2236
#2	.0212	.0045	21.08	.0010	.3300	.0003	-.0017	.0063	.2229
#3	.0203	.0065	21.14	.0001	.3287	.0004	-.0021	.0062	.2237
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1802.0	4235.0	33445.	6859.2					
Stddev	4.2	4.4	94.	18.5					
%RSD	.23133	.10290	.28184	.26975					
#1	1798.2	4238.5	33532.	6866.1					
#2	1801.4	4236.4	33345.	6838.3					
#3	1806.4	4230.1	33456.	6873.4					

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Sample Name: MP31446-MB2 Acquired: 1/6/2017 15:56:54 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0063	-.0006	.0015	.0000	.0904	-.0002	-.0003
Stddev	.0003	.0059	.0009	.0002	.000	.0043	.0001	.0000
%RSD	1041.	94.16	144.8	11.36	24.50	4.792	36.74	9.374
#1	.0004	.0101	-.0017	.0017	.0000	.0952	-.0002	-.0004
#2	-.0001	-.0005	-.0002	.0014	.0000	.0892	-.0001	-.0004
#3	-.0002	.0092	.0000	.0015	.0000	.0867	-.0002	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0069	.0042	.0551	.0077	.0003	-.0004	F 87.59
Stddev	.0003	.0003	.0011	.0214	.0177	.0000	.0002	.27
%RSD	82.89	4.937	25.31	38.78	231.2	14.13	42.00	.3043
#1	.0000	.0072	.0032	.0362	.0172	.0004	-.0005	87.90
#2	.0005	.0070	.0041	.0783	.0185	.0003	-.0002	87.45
#3	.0006	.0065	.0054	.0507	-.0128	.0003	-.0005	87.42
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit								2.500
Low Limit								-2.500
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	F -.0043	-.0003	.0007	18.03	.0002	.0001	.0000
Stddev	.0000	.0003	.0007	.0009	.02	.0005	.0000	.000
%RSD	2.147	6.682	212.2	132.5	.0996	269.9	4.645	645.9
#1	-.0005	-.0041	.0003	.0006	18.03	-.0001	.0001	-.0001
#2	-.0005	-.0042	-.0002	.0016	18.02	.0007	.0001	-.0001
#3	-.0005	-.0046	-.0011	-.0002	18.05	-.0001	.0001	.0001
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit		.0025						
Low Limit		-.0025						

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Sample Name: MP31446-MB2 Acquired: 1/6/2017 15:56:54 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ti1908	V_2924	Zn2062	
Units	ppm	ppm	ppm	
Avg	-.0019	.0000	.0040	
Stddev	.0003	.0002	.0001	
%RSD	14.19	448.8	1.976	
#1	-.0021	-.0001	.0041	
#2	-.0016	.0003	.0039	
#3	-.0021	.0000	.0039	
Check ?	Chk Pass	Chk Pass	Chk Pass	
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1913.3	4483.4	34937.	7185.8
Stddev	2.9	6.9	94.	24.4
%RSD	.15332	.15384	.26938	.33941
#1	1914.1	4478.6	34868.	7163.3
#2	1910.0	4480.4	35044.	7182.3
#3	1915.7	4491.3	34899.	7211.7

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Sample Name: MP31446-B2 Acquired: 1/6/2017 16:01:24 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0484	28.88	2.059	2.143	.0537	27.48	.0512	.5128	.2095
Stddev	.0004	.05	.004	.004	.0001	.11	.0001	.0010	.0003
%RSD	.7743	.1636	.1829	.1966	.2642	.3964	.2651	.1939	.1584
#1	.0484	28.85	2.059	2.143	.0538	27.48	.0512	.5127	.2094
#2	.0488	28.93	2.055	2.147	.0535	27.59	.0511	.5119	.2099
#3	.0480	28.86	2.062	2.139	.0537	27.37	.0514	.5138	.2092

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2665	28.41	26.99	26.52	.5241	.5361	F 118.2	.5188	.4962
Stddev	.0006	.07	.05	.11	.0007	.0009	.2	.0009	.0012
%RSD	.2065	.2313	.1972	.4221	.1373	.1628	.1817	.1771	.2347
#1	.2659	28.40	26.94	26.48	.5242	.5362	118.0	.5182	.4974
#2	.2669	28.47	27.04	26.65	.5234	.5352	118.5	.5183	.4951
#3	.2667	28.34	26.99	26.44	.5248	.5370	118.2	.5198	.4962

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 Value Range 25.00 20.00%

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5164	2.046	18.59	.5389	.5330	.5313	2.003	.5068	.5269
Stddev	.0017	.006	.03	.0015	.0014	.0024	.007	.0008	.0008
%RSD	.3266	.3080	.1388	.2732	.2628	.4565	.3431	.1546	.1512
#1	.5149	2.048	18.61	.5379	.5324	.5293	2.003	.5059	.5265
#2	.5161	2.039	18.56	.5381	.5346	.5340	2.009	.5074	.5264
#3	.5182	2.051	18.61	.5406	.5320	.5305	1.996	.5071	.5278

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP31446-B2 Acquired: 1/6/2017 16:01:24 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1802.2	4336.8	3386.8	6931.9
Stddev	.3	9.5	47.	35.8
%RSD	.01815	.21981	.13838	.51661
#1	1802.1	4336.6	3391.8	6909.8
#2	1802.5	4346.4	3382.4	6912.6
#3	1801.9	4327.3	3386.2	6973.2

7.1
7

Sample Name: MP31446-MB3 Acquired: 1/6/2017 16:05:37 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0070	.0001	.0009	-.0001	.0254	-.0001	-.0003
Stddev	.0001	.0021	.0008	.0003	.0000	.0007	.0000	.0001
%RSD	37.74	30.26	160.8	37.52	44.02	2.605	9.204	25.64
#1	-.0002	.0063	-.0008	.0011	-.0001	.0256	-.0001	-.0003
#2	-.0003	.0053	-.0008	.0011	-.0001	.0260	-.0001	-.0002
#3	-.0001	.0094	.0002	.0005	.0000	.0247	-.0001	-.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0047	.0074	.0913	-.0012	.0002	-.0002	F 165.0
Stddev	.0002	.0004	.0006	.0270	.0137	.0000	.0002	1.7
%RSD	46.37	7.519	8.241	29.60	1173.	13.32	117.2	1.015
#1	.0002	.0044	.0080	.1028	-.0114	.0003	-.0001	166.5
#2	.0006	.0047	.0074	.0605	.0144	.0003	.0000	165.4
#3	.0006	.0051	.0068	.1108	-.0066	.0002	-.0004	163.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail
 High Limit Low Limit 2.500 -2.500

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	F -.0028	.0006	.0001	17.54	.0005	.0001	.0001
Stddev	.0001	.0006	.0014	.0006	.04	.0000	.0000	.0002
%RSD	20.84	19.86	247.5	446.5	.2322	10.43	29.64	136.1
#1	-.0003	-.0032	.0001	.0006	17.51	.0005	.0001	.0000
#2	-.0005	-.0022	.0022	.0003	17.52	.0005	.0001	.0003
#3	-.0005	-.0030	-.0006	-.0005	17.59	.0004	.0002	.0000

Check ? Chk Pass Chk Fail Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit Low Limit .0025 -.0025

Sample Name: MP31446-MB3 Acquired: 1/6/2017 16:05:37 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	.0012	-.0001	.0019
Stddev	.0028	.0003	.0001
%RSD	237.2	289.3	2.916
#1	.0045	.0001	.0019
#2	-.0006	-.0005	.0020
#3	-.0003	.0000	.0018

Check ? Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1861.1	4414.0	3422.9	6928.4
Stddev	4.3	9.0	38.	20.6
%RSD	.22926	.20354	.11218	.29781
#1	1859.9	4418.6	3426.8	6913.3
#2	1865.8	4419.8	3419.1	6920.1
#3	1857.5	4403.7	3422.9	6951.9

Sample Name: MP31446-B3 Acquired: 1/6/2017 16:10:16 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0488	28.87	2.083	2.140	.0539	27.45	.0515	.5125	.2088
Stddev	.0005	.17	.002	.015	.0003	.04	.0000	.0011	.0008
%RSD	1.052	.5855	.0822	.6887	.5962	.1477	.0359	.2231	.3705

#1	.0491	29.03	2.082	2.156	.0539	27.50	.0515	.5136	.2092
#2	.0492	28.69	2.082	2.127	.0535	27.44	.0515	.5114	.2079
#3	.0482	28.90	2.085	2.136	.0542	27.42	.0515	.5126	.2094

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2707	28.44	27.19	26.64	.5237	.5378	F 189.3	.5195	.5020
Stddev	.0012	.05	.09	.02	.0022	.0005	2.2	.0011	.0009
%RSD	.4380	.1615	.3199	.0717	.4213	.0851	1.168	.2027	.1817

#1	.2710	28.44	27.28	26.62	.5251	.5382	187.0	.5191	.5025
#2	.2718	28.39	27.11	26.64	.5211	.5373	191.4	.5187	.5010
#3	.2694	28.48	27.16	26.66	.5248	.5379	189.4	.5207	.5026

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 Value Range 25.00 20.00%

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5187	2.072	17.55	.5351	.5315	.5311	2.007	.5050	.5279
Stddev	.0037	.006	.04	.0009	.0017	.0017	.007	.0016	.0007
%RSD	.7197	.3053	.2365	.1676	.3276	.3153	.3339	.3196	.1262

#1	.5217	2.079	17.59	.5361	.5333	.5330	2.001	.5068	.5281
#2	.5199	2.067	17.51	.5350	.5298	.5298	2.005	.5038	.5284
#3	.5145	2.071	17.54	.5343	.5315	.5306	2.014	.5043	.5271

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP31446-B3 Acquired: 1/6/2017 16:10:16 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1781.9	4312.9	3386.8	6926.0
Stddev	1.8	14.1	54.	12.3
%RSD	.09955	.32715	.15900	.17697

#1	1780.7	4299.2	33819.	6939.7
#2	1783.9	4327.4	33860.	6922.4
#3	1781.0	4312.1	33926.	6915.9

7.1
7

Sample Name: MP31446-MB4 Acquired: 1/6/2017 16:14:37 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0038	-0.006	.0019	-0.001	.2578	-0.002	-0.003
Stddev	.0002	.0061	.0005	.0001	.0000	.0003	.0000	.0001
%RSD	97.67	162.5	91.52	3.575	25.99	1.244	4.432	23.15

#1	.0000	.0032	-.0010	.0020	-.0001	.2576	-.0002	-.0004
#2	-.0004	-.0020	-.0008	.0019	-.0001	.2576	-.0002	-.0002
#3	-.0003	.0102	.0000	.0019	-.0001	.2582	-.0002	-.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0049	.0071	.1069	.0128	.0001	-0.002	F 160.5
Stddev	.0004	.0002	.0011	.0294	.0024	.0000	.0002	1.2
%RSD	272.9	3.413	15.05	27.51	18.78	10.05	135.2	.7274

#1	.0000	.0051	.0083	.1174	.0107	.0002	-.0002	159.2
#2	.0005	.0048	.0067	.1296	.0154	.0001	.0001	161.5
#3	-.0001	.0047	.0063	.0737	.0123	.0002	-.0004	160.7

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail
 High Limit Low Limit 2.500 -2.500

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	F -.0034	-0.0007	.0013	17.82	.0003	.0002	.0001
Stddev	.0000	.0011	.0009	.0009	.02	.0001	.0000	.0001
%RSD	9.435	33.44	128.7	70.85	.1195	43.10	15.58	206.6

#1	-.0006	-.0042	-.0016	.0003	17.84	.0003	.0002	.0000
#2	-.0005	-.0021	-.0008	.0013	17.80	.0004	.0002	.0002
#3	-.0005	-.0038	.0002	.0021	17.83	.0002	.0003	.0000

Check ? Chk Pass Chk Fail Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit Low Limit .0025 -.0025

Sample Name: MP31446-MB4 Acquired: 1/6/2017 16:14:37 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	.0007	.0000	.0029
Stddev	.0009	.0002	.0001
%RSD	130.2	1929.	2.448

#1	.0005	.0002	.0029
#2	.0016	-.0002	.0030
#3	-.0001	.0000	.0029

Check ? Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1857.1	4384.6	34337.	7016.2
Stddev	5.9	3.6	97.	6.1
%RSD	.31986	.08256	.28234	.08756

#1	1850.8	4380.7	34317.	7021.3
#2	1857.8	4387.9	34252.	7017.9
#3	1862.6	4385.3	34443.	7009.4

Sample Name: MP31446-B4 Acquired: 1/6/2017 16:19:18 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0485	28.57	2.041	2.118	.0533	27.26	.0508	.5060	.2074
Stddev	.0005	.05	.006	.007	.0001	.07	.0001	.0013	.0008
%RSD	.9478	.1836	.3084	.3257	.2246	.2659	.1172	.2557	.3721

#1	.0482	28.55	2.034	2.124	.0532	27.22	.0508	.5055	.2083
#2	.0484	28.63	2.047	2.110	.0532	27.35	.0509	.5075	.2069
#3	.0491	28.54	2.041	2.119	.0534	27.22	.0508	.5050	.2070

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2641	28.10	26.84	26.32	.5186	.5321	F 181.1	.5114	.4938
Stddev	.0009	.03	.03	.10	.0016	.0018	.9	.0007	.0011
%RSD	.3448	.1233	.1231	.3762	.3012	.3346	.4787	.1331	.2323

#1	.2647	28.06	26.84	26.23	.5203	.5311	180.1	.5116	.4925
#2	.2647	28.12	26.86	26.43	.5181	.5342	181.3	.5119	.4945
#3	.2631	28.11	26.80	26.31	.5173	.5311	181.8	.5106	.4945

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 Value Range 25.00% 20.00%

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5096	2.030	18.08	.5317	.5296	.5276	1.987	.5006	.5226
Stddev	.0003	.012	.06	.0019	.0010	.0009	.005	.0023	.0004
%RSD	.0676	.5947	.3253	.3529	.1948	.1666	.2630	.4567	.0852

#1	.5094	2.031	18.06	.5303	.5308	.5281	1.982	.5028	.5223
#2	.5100	2.041	18.15	.5339	.5291	.5282	1.989	.5007	.5224
#3	.5094	2.017	18.03	.5310	.5289	.5266	1.992	.4983	.5231

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP31446-B4 Acquired: 1/6/2017 16:19:18 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1781.2	4320.0	3382.4	6906.8
Stddev	.6	15.4	42.	41.0
%RSD	.03197	.35707	.12458	.59395

#1	1781.1	4322.5	3378.2	6942.0
#2	1780.8	4303.5	3382.6	6861.8
#3	1781.9	4334.0	3386.6	6916.7

7.1
7

Sample Name: CCV Acquired: 1/6/2017 16:23:39 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2533	40.69	1.998	2.058	2.043	41.46	2.029	2.027	2.036
Stddev	.0010	.10	.008	.005	.006	.15	.003	.004	.007
%RSD	.3956	.2480	.4161	.2624	.2987	.3621	.1403	.1901	.3282

#1	.2535	40.81	1.996	2.064	2.050	41.47	2.030	2.026	2.037
#2	.2522	40.64	1.991	2.054	2.038	41.31	2.026	2.023	2.029
#3	.2542	40.63	2.007	2.055	2.043	41.61	2.032	2.031	2.042

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.994	40.97	40.55	41.13	2.047	2.048	40.48	2.016	2.006
Stddev	.001	.09	.12	.16	.009	.003	.10	.004	.003
%RSD	.0264	.2274	.3065	.3911	.4144	.1490	.2403	.1971	.1305

#1	1.994	41.04	40.65	41.15	2.054	2.046	40.58	2.015	2.009
#2	1.995	40.86	40.41	40.96	2.037	2.046	40.40	2.013	2.003
#3	1.994	40.99	40.60	41.28	2.050	2.051	40.45	2.021	2.007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.999	2.000	1.948	2.053	2.062	2.027	2.018	2.013	2.062
Stddev	.005	.004	.004	.004	.006	.005	.006	.010	.003
%RSD	.2609	.2269	.1984	.1733	.3139	.2646	.2860	.4757	.1215

#1	1.999	1.998	1.949	2.056	2.069	2.032	2.012	2.021	2.064
#2	1.994	1.997	1.944	2.049	2.059	2.022	2.018	2.002	2.060
#3	2.005	2.006	1.952	2.053	2.058	2.027	2.023	2.014	2.061

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 1/6/2017 16:23:39 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1820.7	4428.0	3441.8	6989.3
Stddev	3.6	11.6	94.	40.0
%RSD	.19595	.26292	.27169	.57166

#1	1820.1	4426.2	3437.4	6973.9
#2	1824.5	4440.5	3452.6	7034.6
#3	1817.4	4417.4	3435.5	6959.3

Sample Name: CCB Acquired: 1/6/2017 16:27:52 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	.0012	.0007	.0002	.0002	-0.014	.0000	.0001	-0.001
Stddev	.0002	.0081	.0001	.0001	.0000	.0017	.0000	.0001	.0003
%RSD	80.65	703.3	18.96	40.63	10.79	125.7	70.08	123.3	339.1
#1	.0000	-.0029	.0008	.0003	.0002	-.0005	.0001	.0001	-.0004
#2	-.0004	-.0041	.0007	.0003	.0002	-.0002	.0000	.0002	-.0001
#3	-.0005	.0105	.0006	.0001	.0001	-.0033	.0000	.0000	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0079	.0341	-.0005	.0001	F -.0012	.0382	.0001	-.0004
Stddev	.0001	.0027	.0398	.0042	.0000	.0004	.0056	.0001	.0006
%RSD	850.7	34.10	116.8	909.9	36.73	36.82	14.79	97.86	154.0
#1	-.0001	.0063	.0063	-.0003	.0001	.0016	.0386	.0002	.0002
#2	.0001	.0110	.0796	-.0048	.0001	.0010	.0436	.0002	-.0005
#3	.0001	.0064	.0162	.0037	.0001	.0008	.0323	.0000	-.0009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	.0002	-.0001	.0003	.0002	.0002	F .0026	.0001	.0000
Stddev	.0003	.0022	.0003	.0002	.0001	.0001	.0012	.0001	.000
%RSD	19.81	101.0	209.9	53.20	43.78	37.08	47.70	134.3	335.1
#1	.0014	-.0010	.0001	.0004	.0002	.0002	.0037	.0001	.0000
#2	.0021	-.0011	-.0004	.0001	.0002	.0002	.0029	.0002	-.0001
#3	.0017	.0027	.0000	.0005	.0001	.0001	.0012	.0000	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 1/6/2017 16:27:52 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1972.7	4580.7	35153.	7223.3
Stddev	5.7	14.3	39.	53.6
%RSD	.29092	.31134	.10964	.74176
#1	1979.0	4590.6	35185.	7262.0
#2	1967.8	4564.3	35110.	7245.8
#3	1971.4	4587.2	35163.	7162.1

7.1
7

Sample Name: CCV Acquired: 1/6/2017 19:12:46 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2559	41.08	2.013	2.135	1.930	39.14	2.049	2.045	2.066
Stddev	.0015	.03	.002	.006	.005	.07	.002	.002	.005
%RSD	.5671	.0631	.0812	.2780	.2831	.1747	.0819	.0753	.2568
#1	.2576	41.07	2.012	2.140	1.935	39.19	2.051	2.046	2.060
#2	.2551	41.11	2.015	2.135	1.929	39.16	2.048	2.043	2.071
#3	.2551	41.06	2.013	2.129	1.925	39.06	2.049	2.045	2.067

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.014	F 35.89	F 46.06	36.57	2.076	2.064	42.49	2.036	2.030
Stddev	.003	.01	.14	.07	.003	.001	.17	.003	.002
%RSD	.1697	.0327	.3004	.1826	.1562	.0280	.4089	.1335	.0987
#1	2.018	35.90	46.22	36.55	2.074	2.064	42.69	2.039	2.032
#2	2.012	35.88	45.96	36.64	2.074	2.063	42.43	2.035	2.030
#3	2.012	35.90	46.00	36.51	2.080	2.064	42.36	2.033	2.028

Check ? Chk Pass Chk Fail Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.021	2.021	1.970	2.066	2.113	2.050	2.033	2.039	2.084
Stddev	.005	.002	.004	.003	.006	.004	.009	.000	.002
%RSD	.2495	.0993	.2273	.1529	.2816	.1706	.4210	.0218	.0931
#1	2.019	2.021	1.966	2.069	2.120	2.054	2.031	2.039	2.086
#2	2.016	2.020	1.969	2.065	2.108	2.048	2.025	2.040	2.082
#3	2.026	2.024	1.975	2.063	2.110	2.049	2.042	2.039	2.084

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 1/6/2017 19:12:46 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1799.2	4372.7	33684.	6284.3
Stddev	2.0	9.1	75.	11.4
%RSD	.11108	.20739	.22312	.18214
#1	1798.0	4368.9	33600.	6272.1
#2	1801.5	4383.1	33708.	6285.9
#3	1798.0	4366.2	33744.	6294.8

Sample Name: CCB Acquired: 1/6/2017 19:16:59 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.031	0.005	0.000	0.001	0.041	0.000	-0.001	-0.001
Stddev	0.000	0.031	0.004	0.002	0.000	0.023	0.000	0.001	0.004
%RSD	58.40	99.85	93.54	330.0	29.52	57.46	1190.	83.99	297.2
#1	-0.001	0.028	0.009	0.002	0.001	0.062	0.000	0.000	-0.005
#2	-0.000	0.064	0.001	0.001	0.001	0.015	-0.001	-0.001	0.003
#3	-0.001	0.002	0.004	-0.001	0.001	0.045	0.000	-0.001	-0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.004	0.065	0.182	0.081	0.002	F_0.014	0.991	0.002	-0.003
Stddev	0.002	0.018	0.026	0.024	0.000	0.002	0.147	0.001	0.002
%RSD	35.59	27.86	12.39	276.5	2.081	16.01	1.482	40.68	57.42
#1	0.006	0.070	0.283	0.236	0.002	0.016	1.008	0.002	-0.004
#2	0.003	0.079	0.170	0.183	0.002	0.015	0.982	0.001	-0.001
#3	0.004	0.045	0.167	-0.176	0.002	0.012	0.974	0.002	-0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.002	0.006	0.019	0.004	0.002	0.003	0.010	0.001	0.000
Stddev	0.008	0.010	0.004	0.002	0.000	0.000	0.014	0.002	0.001
%RSD	430.6	162.9	21.44	58.89	8.420	14.35	132.9	191.9	250.0
#1	-0.005	0.017	0.023	0.003	0.002	0.003	0.004	0.001	0.000
#2	-0.001	-0.002	0.015	0.002	0.002	0.003	0.026	-0.001	0.001
#3	0.011	0.003	0.018	0.006	0.002	0.002	0.001	0.003	0.000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 1/6/2017 19:16:59 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1882.0	4383.4	3337.4	6108.0
Stddev	5.6	8.3	63.	30.6
%RSD	.29950	.19005	.18904	.50021
#1	1876.0	4391.7	3337.5	6112.9
#2	1887.2	4383.7	3343.6	6135.8
#3	1882.7	4375.0	3331.0	6075.3

Sample Name: CRIA Acquired: 1/6/2017 19:49:15 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.086	2.202	0.106	0.216	0.049	1.027	0.053	0.053	0.106
Stddev	0.002	0.079	0.004	0.009	0.001	0.005	0.000	0.003	0.000
%RSD	1.988	3.566	3.648	4.281	1.253	5.074	9.073	5.606	2.636
#1	0.084	2.138	0.109	0.227	0.049	1.032	0.054	0.052	0.106
#2	0.087	2.177	0.101	0.214	0.048	1.022	0.053	0.052	0.106
#3	0.086	2.289	0.107	0.208	0.049	1.027	0.053	0.054	0.106

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.230	2.840	12.00	4.759	0.162	0.514	11.70	0.427	0.053
Stddev	0.004	0.041	0.06	0.025	0.001	0.003	0.07	0.001	0.006
%RSD	1.532	1.449	5.280	5.182	4.522	6.006	5.727	3.421	11.50
#1	0.226	2.888	12.07	4.779	0.163	0.512	11.78	0.428	0.047
#2	0.231	2.817	11.96	4.731	0.161	0.512	11.64	0.425	0.059
#3	0.232	2.816	11.98	4.767	0.163	0.518	11.69	0.428	0.053

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.049	0.083	0.130	0.054	0.106	0.105	0.111	0.056	0.222
Stddev	0.005	0.007	0.004	0.001	0.001	0.000	0.004	0.003	0.001
%RSD	10.09	8.169	3.438	2.739	9.091	4.680	3.610	5.013	4.127
#1	0.045	0.077	0.125	0.059	0.107	0.104	0.111	0.056	0.223
#2	0.048	0.081	0.131	0.054	0.105	0.105	0.115	0.059	0.221
#3	0.055	0.090	0.133	0.059	0.106	0.105	0.107	0.054	0.222

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1948.7	4545.2	3481.2	6185.5
Stddev	4.4	12.8	86.	35.0
%RSD	2.2473	2.8072	2.4644	5.6603
#1	1953.3	4553.0	3490.7	6154.8
#2	1948.5	4552.2	3478.8	6223.7
#3	1944.5	4530.5	3474.1	6178.2

Sample Name: ICESA Acquired: 1/6/2017 19:53:43 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	F_514.2	-0.011	0.008	-0.001	456.0	0.016	-0.008	-0.003
Stddev	0.001	5.4	0.017	0.002	0.000	3.6	0.001	0.001	0.004
%RSD	19.23	1.059	152.2	26.53	36.67	7.842	7.097	7.203	143.0
#1	-0.006	508.4	-0.012	0.010	-0.001	455.3	0.015	0.008	-0.007
#2	-0.006	519.2	-0.028	0.010	-0.001	459.8	0.015	0.009	-0.001
#3	-0.004	514.9	0.006	0.006	-0.001	452.8	0.017	0.008	0.000

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.022	155.1	2033	461.9	-0.008	0.007	1.293	-0.002	0.048
Stddev	0.003	5	0.120	2.7	0.001	0.002	0.06	0.002	0.004
%RSD	14.44	3.131	5.916	5.938	14.87	21.09	4.322	83.33	7.498
#1	-0.025	154.6	2.130	459.3	-0.010	0.008	1.289	-0.004	0.052
#2	-0.019	155.6	1.898	464.8	-0.008	0.009	1.299	0.000	0.046
#3	-0.023	155.1	2.070	461.7	-0.007	0.006	1.290	-0.002	0.045

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.003	0.025	0.076	0.043	0.023	-0.009	-0.017	0.015	-0.025
Stddev	0.013	0.018	0.002	0.029	0.005	0.001	0.012	0.001	0.002
%RSD	447.7	73.03	2.641	68.20	23.06	10.53	74.99	7.106	6.689
#1	0.011	0.045	0.072	0.029	0.024	-0.009	-0.020	0.016	-0.025
#2	-0.006	0.021	0.076	0.023	0.017	-0.009	-0.027	0.014	-0.027
#3	-0.014	0.009	0.075	0.076	0.028	-0.011	-0.003	0.015	-0.023

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1602.6	4039.2	3159.3	5776.6
Stddev	3.0	1.6	36.	33.4
%RSD	1.9014	0.3894	1.1358	5.7897
#1	1605.5	4040.0	3159.5	5801.8
#2	1599.4	4037.3	3162.7	5738.6
#3	1602.9	4040.2	3155.6	5789.4

Sample Name: ICSAB Acquired: 1/6/2017 19:58:22 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F 1.018	F 508.2	1.108	.5550	.4789	447.1	.9680	4.886	.5151
Stddev	.000	3.2	.002	.0006	.0014	2.7	.0010	.0006	.0018
%RSD	.0372	.6389	.1950	.1075	.2971	.5999	.1040	.1158	.3406
#1	1.018	511.6	1.106	.5556	.4803	444.3	.9685	4.881	.5152
#2	1.018	507.7	1.110	.5550	.4775	447.2	.9669	4.885	.5134
#3	1.017	505.2	1.107	.5544	.4788	449.7	.9687	4.892	.5169

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5548	156.6	.2010	460.9	.5079	.9994	1.059	9.750	1.006
Stddev	.0012	.2	.0114	.7	.0009	.0013	.014	.0004	.002
%RSD	.2215	.1272	5.668	.1577	.1786	.1261	1.316	.0363	.2013
#1	.5552	156.8	.1878	460.0	.5068	.9985	1.072	9.750	1.004
#2	.5534	156.4	.2078	461.2	.5084	.9989	1.059	9.754	1.006
#3	.5557	156.7	.2073	461.3	.5084	1.001	1.044	9.747	1.008

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.063	1.041	.1064	.9865	1.074	1.042	1.006	4.957	.9611
Stddev	.003	.006	.0009	.0014	.002	.002	.005	.0014	.0025
%RSD	.2847	.5660	.8219	.1436	.2177	.1780	.5141	.2794	.2629
#1	1.059	1.047	.1056	.9860	1.076	1.040	1.003	4.941	.9589
#2	1.063	1.041	.1062	.9854	1.072	1.042	1.004	4.967	.9607
#3	1.065	1.035	.1073	.9881	1.072	1.043	1.012	4.963	.9639

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1580.2	4033.7	31487.	5803.8
Stddev	6.0	5.7	32.	22.8
%RSD	.38094	.14179	.10083	.39356
#1	1586.1	4039.9	31453.	5816.6
#2	1580.3	4032.7	31494.	5817.3
#3	1574.1	4028.6	31515.	5777.4

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Sample Name: CCV Acquired: 1/6/2017 20:02:53 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2570	41.73	2.022	2.154	1.935	39.31	2.055	2.049	2.082
Stddev	.0008	.20	.006	.010	.006	.11	.002	.002	.007
%RSD	.3079	.4687	.3049	.4836	.3208	.2922	.0844	.0973	.3254
#1	.2574	41.94	2.017	2.165	1.939	39.42	2.053	2.047	2.074
#2	.2561	41.56	2.020	2.145	1.928	39.19	2.055	2.051	2.087
#3	.2575	41.69	2.029	2.151	1.938	39.31	2.056	2.050	2.085

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.031	F 35.65	F 47.12	36.74	2.079	2.065	F 44.52	2.039	2.028
Stddev	.006	.12	.11	.18	.008	.002	.16	.003	.002
%RSD	.3155	.3346	.2376	.4809	.3790	.0861	.3585	.1679	.0827
#1	2.038	35.75	47.25	36.94	2.075	2.063	44.63	2.036	2.030
#2	2.028	35.52	47.05	36.64	2.088	2.065	44.34	2.042	2.027
#3	2.026	35.70	47.06	36.64	2.074	2.066	44.60	2.039	2.028

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.020	2.027	1.969	2.074	2.138	2.052	2.033	2.048	2.089
Stddev	.008	.007	.003	.002	.010	.005	.007	.003	.004
%RSD	.3745	.3620	.1563	.0782	.4540	.2396	.3498	.1559	.2011
#1	2.011	2.020	1.966	2.073	2.148	2.051	2.024	2.046	2.092
#2	2.025	2.035	1.970	2.072	2.129	2.058	2.036	2.051	2.084
#3	2.022	2.026	1.972	2.075	2.139	2.048	2.037	2.045	2.091

Check ?	Value	Range
Chk Pass	40.00	40.00
Chk Fail	-10.00%	10.00%
Chk Pass	40.00	40.00
Chk Fail	10.00%	10.00%

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Sample Name: CCV Acquired: 1/6/2017 20:02:53 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1796.1	4360.7	33588.	6033.2
Stddev	4.7	16.9	65.	27.4
%RSD	.26034	.38772	.19357	.45443
#1	1801.2	4378.0	33662.	6004.9
#2	1795.2	4344.2	33563.	6059.6
#3	1792.0	4359.9	33540.	6035.0

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Sample Name: CCB Acquired: 1/6/2017 20:07:06 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0061	.0004	.0001	.0002	.0020	.0001	.0001	.0001
Stddev	.000	.0029	.0006	.0002	.0001	.0025	.0001	.0001	.0001
%RSD	693.2	48.12	140.8	261.5	32.58	128.5	57.03	80.42	92.25
#1	.0002	.0038	.0002	.0001	.0002	.0008	.0001	.0002	.0002
#2	.0001	.0050	.0008	.0001	.0001	.0026	.0001	.0001	.0002
#3	.0001	.0094	.0006	.0002	.0002	.0042	.0001	.0000	.0000

Check ?	High Limit	Low Limit
Chk Pass		
Chk Pass		
Chk Pass		
Chk Pass		
Chk Pass		
Chk Pass		
Chk Pass		
Chk Pass		
Chk Pass		

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0086	.0940	-.0131	.0003	F .0015	.3469	.0003	-.0004
Stddev	.0001	.0036	.0231	.0050	.0000	.0004	.0103	.0001	.0004
%RSD	70.32	41.45	24.54	38.46	6.736	28.20	2.956	42.46	103.3
#1	.0002	.0102	.1108	-.0184	.0002	.0020	.3482	.0004	.0000
#2	.0001	.0111	.1035	-.0084	.0003	.0014	.3564	.0003	-.0003
#3	.0003	.0045	.0677	-.0125	.0003	.0012	.3361	.0002	-.0009

Check ?	High Limit	Low Limit
Chk Pass		
Chk Pass		
Chk Pass		
Chk Pass		
Chk Fail	.0010	-.0010

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.0003	.0002	.0004	.0001	.0004	.0003	.0002	.0000
Stddev	.0006	.0017	.0002	.0004	.0001	.0001	.0008	.0002	.0000
%RSD	62.00	571.4	76.40	106.7	103.3	21.15	225.9	149.6	199.2
#1	.0010	-.0010	.0004	.0003	.0000	.0005	.0012	-.0001	.0000
#2	.0003	.0022	.0001	.0000	.0001	.0004	-.0004	.0003	.0001
#3	.0014	-.0003	.0001	.0008	.0002	.0003	.0002	.0003	.0000

Check ?	High Limit	Low Limit
Chk Pass		
Chk Pass		
None		
Chk Pass		
Chk Pass		
Chk Pass		
Chk Pass		
Chk Pass		
Chk Pass		

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Sample Name: CCB Acquired: 1/6/2017 20:07:06 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1942.4	4529.6	34453.	6164.3
Stddev	2.6	14.2	109.	52.5
%RSD	.13272	.31433	.31602	.85199
#1	1944.3	4540.7	34579.	6110.3
#2	1943.4	4534.5	34386.	6215.2
#3	1939.5	4513.5	34396.	6167.3

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000009	0.000000	No
Al 396.152 {85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000062	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 {74}	<input checked="" type="checkbox"/>	1	Fe	0.000016	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000082	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000005	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000004	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000124	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 {44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000006	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000009	0.000000	No
Na 589.592 {57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000035	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000045	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	-0.000000	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	0.000113	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000031	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000101	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	-0.000007	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000015	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	0.000077	0.666335	0.000000	1.000000
Al 396.152 { 85}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	0.002011	0.158186	0.000000	1.000000
As 189.042 {478}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	-0.000971	0.180277	0.000000	1.000000
Ba 455.403 { 74}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	0.000156	8.340199	0.000000	1.000000
Be 313.042 {108}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	0.000802	9.861419	0.000000	1.000000
Ca 317.933 {106}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	0.007346	0.242042	0.000000	1.000000
Cd 226.502 {449}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	-0.001054	4.574180	0.000000	1.000000
Co 228.616 {447}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	-0.000600	2.664542	0.000000	1.000000
Cr 267.716 {126}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	-0.000070	0.444207	0.000000	1.000000
Cu 324.754 {104}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	0.015373	0.818513	0.000000	1.000000
Fe 259.940 {130}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	0.001395	0.158823	0.000000	1.000000
In 230.606 {446}*	1/6/2017 8:50:10	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	-0.001724	0.072575	0.000000	1.000000
Mg 279.079 {121}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	-0.000181	0.021736	0.000000	1.000000
Mn 257.610 {131}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	0.001015	2.523054	0.000000	1.000000
Mo 202.030 {467}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	0.001964	0.975632	0.000000	1.000000
Na 589.592 { 57}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	0.005370	0.305360	0.000000	1.000000
Ni 231.604 {445}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	-0.000811	1.537915	0.000000	1.000000
Pb 220.353 {453}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	-0.000941	0.895926	0.000000	1.000000
Sb 206.833 {463}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	0.000563	0.242344	0.000000	1.000000
Se 196.090 {472}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	0.000536	0.132338	0.000000	1.000000
Si 212.412 {459}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	0.005863	0.307606	0.000000	1.000000
Sn 189.989 {477}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	0.000712	0.403369	0.000000	1.000000
Sr 407.771 { 83}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	0.000632	12.795013	0.000000	1.000000
Ti 334.941 {101}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	0.001193	1.567809	0.000000	1.000000
Tl 190.856 {477}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	-0.002083	0.296956	0.000000	1.000000
V 292.402 {115}	1/6/2017 8:50:10	1/6/2017 8:16:05	Linear	1/Conc	-0.000854	0.673346	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	1/6/2017 8:50:10	1/6/2017 8:16:05	Linear	1/Conc	0.003001	2.145988	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999996	0.000019	0.000353	0.001176	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999941	0.002776	0.006514	0.021714	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999953	0.000141	0.000898	0.002994	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999829	0.012422	0.000154	0.000514	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999782	0.016608	0.000047	0.000157	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999794	0.007914	0.002301	0.007669	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999749	0.008267	0.000054	0.000180	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999829	0.003970	0.000103	0.000344	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999856	0.000607	0.000305	0.001017	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999999	0.000099	0.000245	0.000818	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999868	0.004158	0.001726	0.005754	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999943	0.001253	0.023781	0.079268	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999944	0.000370	0.015997	0.053323	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999656	0.005330	0.000049	0.000163	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999849	0.001365	0.000161	0.000538	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999930	0.005828	0.005669	0.018896	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999740	0.002824	0.000182	0.000608	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999996	0.000211	0.000712	0.002374	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999951	0.000193	0.001040	0.003468	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999933	0.000123	0.001719	0.005730	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.999671	0.000635	0.000584	0.001946	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999917	0.000418	0.000345	0.001150	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999737	0.023674	0.000064	0.000215	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999929	0.001501	0.000129	0.000431	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999978	0.000161	0.001269	0.004231	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999982	0.000323	0.000273	0.000910	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999817	0.003306	0.000085	0.000284	OK	1.000000	0.000000	1	0

5g
Dry Sieve

SGS Accutest - Orlando Metals Digestion Log Soil

MP #: 31429

Method of Digestion: SW846-3050B

DOD (ms)

Prep Date/Time (mm/dd/yy 24:00): 1/04/17; 13:11
 HotBlock I.D. 9
 Thermometer I.D. 204
 Correction Factor (°C) -1
 Temperature Observed/Corrected (°C) 91 / 90
 Balance I.D. ADVPR03
 Added^B: H₂O₂ HNO₃
 Lot# 1041107 0000133393

Spk. Sol. ^A Volume Used(ml) Pipette #
 ACC979 1.00 10
 ACC949 0.50 10
 Met 5662 0.50 10
 Filter Lot#: ~~1605~~ * 160217041
 Dig. Tube Lot# ~~1605823~~ - 1509104-6084-Q15
 HCL * PTFE Boiling Chips
 0000132880 5941-6 I019

Sample #	Wt. g	Final Volume(ml)	Comments
Method Blank(MB)	5.0	100.0	Used 5x reagents for digestion 10-12-11/04/17
Spike Blank(SB)	↓		
Matrix Spike(MS)	5.08		
Matrix Spike Dup(MSD)	5.39		
Duplicate(DUP)	5.53		
1-00 ^C D2-FA38934-2R ^D 1	5.33		
2 FA38934-2R (00)	5.42		
3 -3R	5.59		
4 -5R	5.06		
5 -6R	5.15		
6 -8R	5.49		
7 -9R	5.46		
8 -11R	5.58		
9 -12R	5.03		
10 -18R	5.48		
11 FA32306-33RR	5.26		
12			
13			
14			
15			
16			
17			
18			
19			
20			
21 ^E			
22 ^E			
23 ^E			
24 ^E			

Analyst: [Signature]
 QC Review: [Signature]

Date: 1/04/17
 Date: 1.5.17'

A Used for SB, MS, MSD
 B For reagent volumes used consult SOP MET 104, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional Matrix QC

icpsoidigestionlog 0316.xls

Rev 03/04/16 DM

17 of 100

* CR 1/04/17

7.2.1
7

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e-Hardcopy 2.0
Automated Report

Technical Report for

Kemron Environmental Services, Inc

Ft Ord; CA

07202.2001

SGS Accutest Job Number: FA32307

Sampling Date: 03/15/16

Report to:

Gilbane Company

emiddleditch@GilbaneCo.com

ATTN: Eric Middleditch

Total number of pages in report: 142



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Sue Bell 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001)
DoD ELAP (L-A-B L2229), CA (2937), TX (T104704404), PA (68-03573), VA (460177),
AK, AR, GA, KY, MA, NV, OK, UT, WA

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Test results relate only to samples analyzed.



May 23, 2016

Mr. Eric Middleditch
Gilbane
3333 S. Wadsworth Blvd
Suite 220
Lakewood, CO 80227

RE: Accutest job FA32307 Reissue

Dear Mr. Middleditch

The final report for job number FA32307 has been edited to reflect requested corrections. These edits have been incorporated into the revised report.

The report has been reissued due to prep volume changes for metals.

SGS Accutest apologies for any inconvenience this may have caused. Please feel free to contact us if we can be of further assistance.

Sincerely,

SGS Accutest - Orlando

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Sample Summary

Kemron Environmental Services, Inc

Job No: FA32307

Ft Ord; CA

Project No: 07202.2001

Sample Number	Collected		Matrix Code	Received	Type	Client Sample ID
	Date	Time By				
FA32307-1	03/15/16	08:30 KLTR	03/16/16	SO	Soil	01-04SC0000
FA32307-4	03/15/16	09:15 KLTR	03/16/16	SO	Soil	01-03SC0000
FA32307-7	03/15/16	10:20 KLTR	03/16/16	SO	Soil	01-07SC0000
FA32307-10	03/15/16	12:20 KLTR	03/16/16	SO	Soil	01-06SC0000
FA32307-13	03/15/16	13:40 KLTR	03/16/16	SO	Soil	01-11SC0000
FA32307-16	03/15/16	14:15 KLTR	03/16/16	SO	Soil	01-12SC0000
FA32307-19	03/15/16	08:45 KLTR	03/16/16	SO	Soil	33-07SC0000
FA32307-22	03/15/16	09:30 KLTR	03/16/16	SO	Soil	33-04SC0000
FA32307-25	03/15/16	10:20 KLTR	03/16/16	SO	Soil	33-06SC0000
FA32307-28	03/15/16	11:08 KLTR	03/16/16	SO	Soil	33-13SC0000
FA32307-31	03/15/16	12:50 KLTR	03/16/16	SO	Soil	33-03SC0000
FA32307-32	03/15/16	12:50 KLTR	03/16/16	SO	Soil	33-03SC0000Q
FA32307-37	03/15/16	13:45 KLTR	03/16/16	SO	Soil	33-09SC0000

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary (continued)

Kemron Environmental Services, Inc

Job No: FA32307

Ft Ord; CA

Project No: 07202.2001

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
FA32307-40	03/15/16	15:40	KLTR 03/16/16	AQ	Equipment Blank	33-ER16

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE



Client: Kemron Environmental Services, Inc

Job No: FA32307

Site: Ft Ord; CA

Report Date: 5/6/2016 8:52:39 AM

14 Sample(s) were collected on 03/15/2016 and were received at SGS Accutest Southeast (SASE) on 03/16/2016 properly preserved, at 14.2 Deg. C and intact. These Samples received an SASE job number of FA32307. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix: AQ

Batch ID: MP30160

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA32283-5MS, FA32283-5MSD, FA32283-5PS, FA32283-5SDL, FA32283-5DUP were used as the QC samples for metals.

RPD(s) for Duplicate for Lead are outside control limits for sample MP30160-D1. RPD acceptable due to low duplicate and sample concentrations.

Matrix: SO

Batch ID: MP30322

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA32307-1DUP, FA32307-1MS, FA32307-1MSD, FA32307-1PS, FA32307-1SDL were used as the QC samples for metals.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared and revised by:

Kim Benham, Client Services (signature on file)

Date: May 6, 2016
Revised Date: May 23, 2016

Friday, May 06, 2016

Page 1 of 1

Summary of Hits

Job Number: FA32307
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 03/15/16



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA32307-1	01-04SC0000					
Lead		6.8	1.9	0.39	mg/kg	SW846 6010C
FA32307-4	01-03SC0000					
Lead		1.3 J	2.0	0.39	mg/kg	SW846 6010C
FA32307-7	01-07SC0000					
Lead		6.0	2.0	0.40	mg/kg	SW846 6010C
FA32307-10	01-06SC0000					
Lead		9.7	1.9	0.39	mg/kg	SW846 6010C
FA32307-13	01-11SC0000					
Lead		9.5	2.0	0.40	mg/kg	SW846 6010C
FA32307-16	01-12SC0000					
Lead		39.2	2.0	0.39	mg/kg	SW846 6010C
FA32307-19	33-07SC0000					
Lead		4.0	2.0	0.40	mg/kg	SW846 6010C
FA32307-22	33-04SC0000					
Lead		3.0	1.9	0.38	mg/kg	SW846 6010C
FA32307-25	33-06SC0000					
Lead		8.5	2.0	0.39	mg/kg	SW846 6010C
FA32307-28	33-13SC0000					
Lead		12.4	2.0	0.40	mg/kg	SW846 6010C
FA32307-31	33-03SC0000					
Lead		10.3	2.0	0.40	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA32307
Account: Kemron Environmental Services, Inc
Project: Ft Ord; CA
Collected: 03/15/16



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
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FA32307-32 33-03SC0000Q

Lead 3.2 2.0 0.39 mg/kg SW846 6010C

FA32307-37 33-09SC0000

Lead 148 1.9 0.38 mg/kg SW846 6010C

FA32307-40 33-ER16

No hits reported in this sample.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: 01-04SC0000	Date Sampled: 03/15/16
Lab Sample ID: FA32307-1	Date Received: 03/16/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.1
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	6.8	1.9	0.39	0.097	mg/kg	5	05/05/16	05/05/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13139

(2) Prep QC Batch: MP30322

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 01-03SC0000	Date Sampled: 03/15/16
Lab Sample ID: FA32307-4	Date Received: 03/16/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.2
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	1.3 J	2.0	0.39	0.098	mg/kg	5	05/05/16	05/05/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13139

(2) Prep QC Batch: MP30322

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 01-07SC0000	Date Sampled: 03/15/16
Lab Sample ID: FA32307-7	Date Received: 03/16/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.3
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	6.0	2.0	0.40	0.099	mg/kg	5	05/05/16	05/05/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13139

(2) Prep QC Batch: MP30322

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 01-06SC0000	Date Sampled: 03/15/16
Lab Sample ID: FA32307-10	Date Received: 03/16/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.4
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	9.7	1.9	0.39	0.097	mg/kg	5	05/05/16	05/05/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13139

(2) Prep QC Batch: MP30322

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 01-11SC0000	Date Sampled: 03/15/16
Lab Sample ID: FA32307-13	Date Received: 03/16/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.5
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	9.5	2.0	0.40	0.10	mg/kg	5	05/05/16	05/05/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13139

(2) Prep QC Batch: MP30322

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 01-12SC0000	Date Sampled: 03/15/16
Lab Sample ID: FA32307-16	Date Received: 03/16/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.6
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	39.2	2.0	0.39	0.098	mg/kg	5	05/05/16	05/05/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13139

(2) Prep QC Batch: MP30322

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-07SC0000	Date Sampled: 03/15/16
Lab Sample ID: FA32307-19	Date Received: 03/16/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.7
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	4.0	2.0	0.40	0.099	mg/kg	5	05/05/16	05/05/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13139

(2) Prep QC Batch: MP30322

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-04SC0000	Date Sampled: 03/15/16
Lab Sample ID: FA32307-22	Date Received: 03/16/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.8
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	3.0	1.9	0.38	0.096	mg/kg	5	05/05/16	05/05/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13139

(2) Prep QC Batch: MP30322

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-06SC0000	Date Sampled: 03/15/16
Lab Sample ID: FA32307-25	Date Received: 03/16/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.9
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	8.5	2.0	0.39	0.098	mg/kg	5	05/05/16	05/05/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13139

(2) Prep QC Batch: MP30322

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-13SC0000	Date Sampled: 03/15/16
Lab Sample ID: FA32307-28	Date Received: 03/16/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.10
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	12.4	2.0	0.40	0.099	mg/kg	5	05/05/16	05/05/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13139

(2) Prep QC Batch: MP30322

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-03SC0000	
Lab Sample ID: FA32307-31	Date Sampled: 03/15/16
Matrix: SO - Soil	Date Received: 03/16/16
	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.11
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	10.3	2.0	0.40	0.10	mg/kg	5	05/05/16	05/05/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13139

(2) Prep QC Batch: MP30322

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-03SC0000Q	Date Sampled: 03/15/16
Lab Sample ID: FA32307-32	Date Received: 03/16/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.12
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	3.2	2.0	0.39	0.098	mg/kg	5	05/05/16	05/05/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13139

(2) Prep QC Batch: MP30322

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-09SC0000	Date Sampled: 03/15/16
Lab Sample ID: FA32307-37	Date Received: 03/16/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.13
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	148	1.9	0.38	0.096	mg/kg	5	05/05/16	05/05/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13139

(2) Prep QC Batch: MP30322

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-ER16	
Lab Sample ID: FA32307-40	Date Sampled: 03/15/16
Matrix: AQ - Equipment Blank	Date Received: 03/16/16
	Percent Solids: n/a
Project: Ft Ord; CA	

4.14
4

Total Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.0 U	5.0	2.0	1.1	ug/l	1	03/24/16	03/24/16 LM	SW846 6010C ¹	SW846 3010A ²

- (1) Instrument QC Batch: MA13055
- (2) Prep QC Batch: MP30160

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection J = Indicates a result > = DL (MDL) but < LOQ

Misc. Forms**Custody Documents and Other Forms**

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
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(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # KL-031516-01

FA 32307



Project Name: Fort Ord § D V H Z L G H S D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method	SW8330B - Explosives	SW8010C - Lead	SW8330B - Explosives by ISM	SW8010C - Lead by ISM	Code Matrix
							SO SOIL
							Code Container/Preservative
							2 2" 1L amber, 4 degrees C
							1 1" 1.0-1.5 kilogram bag
							13 1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016											
Sample ID	Matrix	Date	Time	Samp Init.					Location ID	Sample Type	Depth (ft bgs) Top - Bottom
① 01-04SC0000	SO	03/15/16	0830	KL					01-04	N1	0.0 0.5
② 01-04SC0001			0845						01-04		1.0 1.5 HOLD
③ 01-04SC0002			0900						01-04		2.0 2.5 HOLD
④ 01-03SC0000			0915						01-03		0.0 0.5
⑤ 01-03SC0001			0930						01-03		1.0 1.5 HOLD
⑥ 01-03SC0002			0945						01-03		2.0 2.5 HOLD
⑦ 01-07SC0000			1020						01-07		0.0 0.5
⑧ 01-07SC0001			1035						01-07		1.0 1.5 HOLD
⑨ 01-07SC0002			1045						01-07		2.0 2.5 HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
K. Leon	3/15/16	1430	Fed Ex	3/15/16	1630	03/15/16 FEDEX 8088 8917 3534
Jesse Baker	3/15/16	1630	FX			
FX			J. CORRE (ALB)	3-16-16	09:15	Received by Laboratory: (Signature, Date, Time) & condition

ENV COC_Record July 06, 2015

5.1
5

FA32307: Chain of Custody
Page 1 of 8

CHAIN-OF-CUSTODY RECORD

Gilbane
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COC # KL-031516-02

FA 32307



Project Name: Fort Ord	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - 5 5	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method	SW8330B - Explosives	SW6010C - Lead	SW8330B - Explosives by ISM	SW6010C - Lead by ISM	Code Matrix
							SO SOIL
							WQ WATER QUALITY CONTROL MATRIX
							Code Container/Preservative
							2 2" 1L amber, 4 degrees C
							1 1" 1.0-1.5 kilogram bag
							13 1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016

Sample ID	Matrix	Date	Time	Samp Init.	Location ID	Sample Type	Depth (ft bgs) Top - Bottom
01-06SC0000	SO	03/15/16	1220	KL	01-06	NL	0.0 0.5
01-06 SC 0001			1230		01-06		1.5 HOLD
01-06 SC 0002			1245		01-06		2.0 2.5 HOLD
01-11 SC 0000			1340		01-11		0.0 0.5
01-11 SC 0001			1350		01-11		1.0 1.5 HOLD
01-11 SC 0002			1400		01-11		2.0 2.5 HOLD
01-12 SC 0000			1415		01-12		0.0 0.5
01-12 SC 0001			1425		01-12		1.0 1.5 HOLD
01-12 SC 0002			1440		01-12		2.0 2.5 HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
KL Leona	3/15/16	1630	Felix	3/15/16	1630	03/15/16 FEDEX 8088 8917 3534
Jeremi Rellon	3/15/16	1630	Fx			
Fx			L. come (Ave)	3-16-16	09:15	Received by Laboratory: (Signature, Date, Time) & condition

5.1
5

CHAIN-OF-CUSTODY RECORD

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KL-031516-03
COC # 1-8



FA 32307

Project Name: Fort Ord	LDVHZLGH 5DQJH \$VVHVP	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001		Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - \$ 5 \$		Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method	SW6330B - Explosives	SW6010C - Lead	SW6330B - Explosives by ISM	SW6010C - Lead by ISM	Code Matrix
							SO SOIL
							WQ WATER QUALITY CONTROL MATRIX
							Code Container/Preservative
							2 2* 1L amber, 4 degrees C
							1 1* 1.0-1.5 kilogram bag
							13 1* 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016														
SC	Sample ID	Matrix	Date	Time	Samp Init.	2	13	1	1	Location ID	Sample Type	Depth (ft bgs)		
												Top	Bottom	
19	33-07SC0000	SO	03/15/16	0845	TR					33-07	N1	0.0	0.5	
20	33-07SC0001			0855						33-07		1.0	1.5	HOLD
21	33-07SC0002			0915						33-07		2.0	2.5	HOLD
22	33-04SC0000			0930						33-04		0.0	0.5	
23	33-04SC0001			0942						33-04		1.0	1.5	HOLD
24	33-04SC0002			1000						33-04		2.0	2.5	HOLD
25	33-06SC0000			1020						33-06		0.0	0.5	
26	33-06SC0001			1030						33-06		1.0	1.5	HOLD
27	33-06SC0002			1050						33-06		2.0	2.5	HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature) M. [Signature]	Date 3/15/16	Time 1630	Received by: (Signature) FX	Date 3-16-16	Time 09:15	Shipping Date / Carrier / Airbill Number 03/15/16 FEDEX 8088 8917 3534
Relinquished by: (Signature) FX	Date 3/15/16	Time 1630	Received by: (Signature) J. [Signature] (AITE)	Date 3-16-16	Time 09:15	Received by Laboratory: (Signature, Date, Time) & condition

5.1
5

CHAIN-OF-CUSTODY RECORD

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COC # KL-031516-04
FA 32307



Project Name: Fort Ord D V H Z L G H 5 D Q J H S V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - - - - 5 - -	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW6330B - Explosives SW6010C - Lead SW6330B - Explosives by ISM SW6010C - Lead by ISM	Code	Matrix
			SO	SOIL
			WQ	WATER QUALITY CONTROL MATRIX
			Code	Container/Preservative
			2	2" 1L amber, 4 degrees C
			1	1" 1.0-1.5 kilogram bag
			13	1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016													
JC	Sample ID	Matrix	Date	Time	Samp Init.	2	13	1	1	Location ID	Sample Type	Depth (ft bgs)	
												Top	Bottom
28	33-135C0000	SO	03/15/16	1108	TR					33-13	NL	0.0	0.5
29	33-135C0001			1120						33-13	NL	1.0	1.5
30	33-135C0002			1130						33-13	NL	2.0	2.5
31	33-035C0000			1250						33-03	NL	0.0	0.5
32	33-035C0000 Q			1250						33-03	FD	0.0	0.5
33	33-035C0001			1305						33-03	NL	1.0	1.5
34	33-035C0001 Q			1305						33-03	FD	1.0	1.5
35	33-035C0002			1320						33-03	NL	2.0	2.5
36	33-035C0002 Q			1320						33-03	FD	2.0	2.5

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
KL Lernal	3/15/16	1630	FedEx	3/15/16	6:30	03/15/16 FedEx 8088 8917 3534
Juan Ruela	3/15/16	1630	FX			
FX			J. CORAL ALBA	3-16-16	09:15	Received by Laboratory: (Signature, Date, Time) & condition

ENV COC Record
July 06, 2015

5.1
5

FA32307: Chain of Custody
Page 4 of 8

CHAIN-OF-CUSTODY RECORD

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COC # 14L-031516-05
1-8
FA32307



Project Name: Fort Ord	D V H Z L G H 5 D Q J H S V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001		Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §		Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW8330B - Explosives SW8610C - Lead SW8330B - Explosives by ISM SW8610C - Lead by ISM	Code	Matrix
			SO	SOIL
			WQ	WATER QUALITY CONTROL MATRIX
			Code	Container/Preservative
			2	2" 1L amber, 4 degrees C
			1	1" 1.0-1.5 kilogram bag
			13	1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016										
X	Sample ID	Matrix	Date	Time	Samp Init.			Location ID	Sample Type	Depth (ft bgs) Top - Bottom
37	33-09SC0000	SO	03/15/16	1245	TR			33-09	N1	0.0 0.5
38	33-09SC0001	SO		1400				33-09	N1	1.0 1.5 HOLD
39	33-09SC0002	SO		1410				33-09	N1	2.0 2.5 HOLD
40	33-ER16	WQ		1540		X		FIELD QC	EB	NA NA
5										
6										
7										
8										
9										

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
Kulona	3/15/16	1630	FedEx	3/15/16	1630	03/15/16 FEDEX 8088 8917 3534
Jean Kulona	3/15/16	1636	FX			
FX			J. Cornell (Alt)	3-16-16	07:15	
						Received by Laboratory: (Signature, Date, Time) & condition

ENV COC_Record
July 06, 2015

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ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA32307 CLIENT: GILBANE PROJECT: FORT ORD
 DATE/TIME RECEIVED: 3-16-16 09:15 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 2
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER DELIVERY OTHER: _____
 AIRBILL NUMBERS: 8088 8917 3534

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM _____ 5-GRAM _____
 NUMBER OF 5035 FIELD KITS ? _____
 NUMBER OF LAB FILTERED METALS ? _____
 TEST STRIP LOT#s pH 0-3 204413A pH 10-12 219813A OTHER (specify) _____

TEMPERATURE INFORMATION

- IR THERM ID 1 CORR. FACTOR +0.2
- OBSERVED TEMPS: 13.6 14.0
- CORRECTED TEMPS: 13.4 14.2 (USED FOR LIMS)

SAMPLE INFORMATION

- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- % SOLIDS JAR NOT RECEIVED
- RESIDUAL CHLORINE PRESENT LOT# _____

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

SUMMARY OF COMMENTS: _____

TECHNICIAN SIGNATURE/DATE Je 3-16-16 REVIEWER SIGNATURE/DATE [Signature] 3/16/16
 NF 11/15 receipt confirmation 111015.xls

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11000

FedEx Package
Express US Airbill

FedEx Tracking Number 8088 8917 3534

Form ID No. 0215

17695

fedex.com 1.800.GoFedEx 1.800.463.3339

05668036

1 From Please print and press hard.

Date 03/15/16 Sender's FedEx Account Number _____
Sender's Name Ken Leonard Phone 925,250-8959
Company Gilbane
Address 1655 Grant St. 12th floor
City Concord State CA ZIP 94520

2 Your Internal Billing Reference

J202200234

3 To

Recipient's Name SAMPLE MANAGEMENT Phone 407,425-6700
Company ACCUTEST LABORATORIES
Address 4405 VINELAND RD STE C15
City ORLANDO State FL ZIP 32811-5803

HOLD Weekday
FedEx location address required.
 FedEx First Overnight
 HOLD Saturday
FedEx drop address required.
 FedEx Priority Overnight and FedEx 2Day to select locations.

0120193367



4 Express Package Service *To most locations.

FedEx First Overnight
 FedEx Priority Overnight
 FedEx Standard Overnight
 FedEx 2Day A.M.
 FedEx 2Day
 FedEx Express Saver

5 Packaging *Declared value limit \$500.

FedEx Envelope* FedEx Pak* FedEx Box FedEx Tube Other

6 Special Handling and Delivery Signature Options

SATURDAY Delivery
 No Signature Required
 Direct Signature
 Indirect Signature
 No
 Yes
 Yes
 Yes
 Dry Ice
 Cargo Aircraft Only

7 Payment Bill to:

Sender Bill Me as Shipped
 Recipient
 Third Party
 Credit Card
 Cash/Check
FedEx Acct No. 1823-2015-3
Total Packages Total Weight Total Declared Value*

This liability is limited to \$5000 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and at the current FedEx Service Guide, including terms of rate and liability.
Rev. Date 2/12/14 Part #N0114 v.01. © 2013 FedEx. #BXNDT01 (IN U.S.A.) 0860



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1 of 5
TRK# 8088 8917 3534
0215
MASTER ##
XH TIXA
WED - 16 MAR 10:30A
PRIORITY OVERNIGHT
32811
FL-US MCO



QC Evaluation: DOD QSM5 Limits

Job Number: FA32307
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 03/15/16

QC Sample ID	CAS#	Analyte	Sample Result Type	Result Type	Result	Units	Limits
MP30160 SW846 6010C							
MP30160-B1	7439-92-1	Lead	BSP	REC	101.6	%	86-113
MP30160-S1*	7439-92-1	Lead	MS	REC	101	%	86-113
MP30160-S2*	7439-92-1	Lead	MSD	REC	100	%	86-113
MP30160-S2*	7439-92-1	Lead	MSD	RPD	1	%	20
MP30160-D1*	7439-92-1	Lead	DUP	RPD	200 ^a	%	20
MP30322 SW846 6010C							
MP30322-B1	7439-92-1	Lead	BSP	REC	101	%	81-112
MP30322-S1	7439-92-1	Lead	MS	REC	97.2	%	81-112
MP30322-S2	7439-92-1	Lead	MSD	REC	97.6	%	81-112
MP30322-S2	7439-92-1	Lead	MSD	RPD	.6	%	20
MP30322-D1	7439-92-1	Lead	DUP	RPD	6.1	%	20
MP30322-D2	7439-92-1	Lead	DUP	RPD	7.6	%	20

(a) RPD acceptable due to low duplicate and sample concentrations.

* Sample used for QC is not from job FA32307

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Metals Analysis

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QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32307
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032416M2.ICP Date Analyzed: 03/24/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13055
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:18	MA13055-STD1	1		STDA
09:23	MA13055-STD2	1		STDB
09:27	MA13055-STD3	1		STDC
09:31	MA13055-STD4	1		STDD
09:44	MA13055-HSTD1	1		
10:03	MA13055-ICV1	1		
10:11	MA13055-ICB1	1		
10:15	MA13055-CR1A1	1		
10:21	MA13055-ICSA1	1		
10:28	MA13055-ICSAB1	1		
10:36	MA13055-CCV1	1		
10:44	MA13055-CCB1	1		
11:33	MA13055-CCV2	1		
11:37	MA13055-CCB2	1		
11:46	MP30160-MB1	1		
11:52	MP30160-B1	1		
11:56	FA32283-5	1		(sample used for QC only; not part of login FA32307)
12:00	MP30160-D1	1		
12:05	MP30160-SD1	5		
12:09	MP30160-PS1	1		
12:14	MP30160-S1	1		
12:18	MP30160-S2	1		
12:23	ZZZZZZ	1		
12:28	MA13055-CCV3	1		
12:32	MA13055-CCB3	1		
12:36	ZZZZZZ	1		
12:41	ZZZZZZ	1		
12:47	MA13055-CCV4	1		
12:53	MA13055-CCB4	1		
12:56	ZZZZZZ	1		
13:01	ZZZZZZ	1		
13:06	ZZZZZZ	1		
13:10	ZZZZZZ	1		

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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32307
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032416M2.ICP Date Analyzed: 03/24/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13055
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:14	ZZZZZZ	1		
13:19	ZZZZZZ	1		
13:23	ZZZZZZ	1		
13:28	ZZZZZZ	1		
13:32	MA13055-CCV5	1		
13:52	MA13055-CCB5	1		
14:20	MA13055-ICV2	1		
14:26	MA13055-CCV6	1		
14:32	MA13055-CCB6	1		
14:36	ZZZZZZ	1		
14:40	ZZZZZZ	1		
14:45	ZZZZZZ	1		
14:49	ZZZZZZ	1		
14:54	FA32307-40	1		
----->	Last reportable sample/prep for job FA32307			
14:58	ZZZZZZ	1		
15:03	ZZZZZZ	1		
15:07	ZZZZZZ	1		
15:12	MP30162-MB1	1		
15:16	MP30162-B1	1		
15:21	MA13055-CCV7	1		
15:25	MA13055-CCB7	1		
15:29	FA32319-12	1		(sample used for QC only; not part of login FA32307)
15:34	MP30162-D1	1		
15:38	MP30162-SD1	5		
15:43	MP30162-PS1	1		
15:47	MP30162-S1	1		
15:51	MP30162-S2	1		
15:56	ZZZZZZ	1		
16:00	ZZZZZZ	1		
16:05	ZZZZZZ	1		
16:09	ZZZZZZ	1		
16:14	MA13055-CCV8	1		
16:18	MA13055-CCB8	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32307
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032416M2.ICP Date Analyzed: 03/24/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13055
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:22	ZZZZZZ	1		
16:27	ZZZZZZ	1		
16:31	ZZZZZZ	1		
16:36	ZZZZZZ	1		
16:40	ZZZZZZ	1		
16:45	ZZZZZZ	1		
16:49	ZZZZZZ	1		
16:54	ZZZZZZ	1		
16:58	ZZZZZZ	1		
17:03	ZZZZZZ	1		
17:07	MA13055-CCV9	1		
17:12	MA13055-CCB9	1		
17:16	ZZZZZZ	1		
17:21	ZZZZZZ	1		
17:25	ZZZZZZ	1		
17:30	ZZZZZZ	1		
17:34	ZZZZZZ	1		
17:39	MA13055-CRIA2	1		
17:43	MA13055-ICSA2	1		
17:48	MA13055-ICSAB2	1		
17:52	MA13055-CCV10	1		
17:56	MA13055-CCB10	1		

-----> Last reportable CCB for job FA32307
Refer to raw data for calibration curve and standards.

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INTERNAL STANDARD SUMMARY

Login Number: FA32307
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032416M2.ICP Date Analyzed: 03/24/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13055
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:18	MA13055-STD1	4578	39027	3487	2534
09:23	MA13055-STD2	4473	37987	3394	2389
09:27	MA13055-STD3	4285	36780	3336	2183
09:31	MA13055-STD4	4133	35647	3316	2027
09:44	MA13055-HSTD1	4066	35212	3233	1995
10:03	MA13055-ICV1	4264	36341	3346	2156
10:11	MA13055-ICB1	4519 R	38510 R	3390 R	2496 R
10:15	MA13055-CR1A1	4480	37716	3371	2424
10:21	MA13055-ICSA1	3880	32727	3124	1918
10:28	MA13055-ICSAB1	3868	32340	3065	1892
10:36	MA13055-CCV1	4261	36312	3233	2154
10:44	MA13055-CCB1	4520	38418	3334	2479
11:33	MA13055-CCV2	4297	36371	3247	2156
11:37	MA13055-CCB2	4556	38295	3271	2480
11:46	MP30160-MB1	4562	38792	3260	2492
11:52	MP30160-B1	4349	36594	3187	2253
11:56	FA32283-5	4010	33640	3118	2006
12:00	MP30160-D1	4027	33629	3110	2017
12:05	MP30160-SD1	4330	35941	3159	2251
12:09	MP30160-PS1	4031	33893	3085	2001
12:14	MP30160-S1	3993	33283	3025	1954
12:18	MP30160-S2	4037	33763	3054	1970
12:23	ZZZZZZ	4132	34256	3131	1968
12:28	MA13055-CCV3	4333	36387	3130	2154
12:32	MA13055-CCB3	4592	38575	3268	2465
12:36	ZZZZZZ	4144	34642	3119	2114
12:41	ZZZZZZ	4117	34511	3074	2092
12:47	MA13055-CCV4	4362	36520	3162	2164
12:53	MA13055-CCB4	4572	38204	3172	2458
12:56	ZZZZZZ	4242	35338	3101	2154
13:01	ZZZZZZ	4132	34218	3052	2019
13:06	ZZZZZZ	4201	35130	3104	2120
13:10	ZZZZZZ	4446	37348	3180	2309

6.1.1
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INTERNAL STANDARD SUMMARY

Login Number: FA32307
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032416M2.ICP Date Analyzed: 03/24/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13055
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:14	ZZZZZZ	4538	37697	3158	2368
13:19	ZZZZZZ	4448	36927	3137	2300
13:23	ZZZZZZ	4465	37169	3122	2319
13:28	ZZZZZZ	4675	39095	3243	2438
13:32	MA13055-CCV5	4434	36520	3108	2153
13:52	MA13055-CCB5	4751	39096	3211	2499
14:20	MA13055-ICV2	4423	36368	3071	2152
14:26	MA13055-CCV6	4399	36448	3048	2138
14:32	MA13055-CCB6	4699	38606	3132	2473
14:36	ZZZZZZ	4749	39651	3240	2455
14:40	ZZZZZZ	4598	38029	3113	2406
14:45	ZZZZZZ	5042	41585	3575	1974
14:49	ZZZZZZ	4574	37720	3100	2381
14:54	FA32307-40	4596	37980	3105	2376
14:58	ZZZZZZ	4512	37140	3065	2317
15:03	ZZZZZZ	4460	36681	3068	2252
15:07	ZZZZZZ	4535	37496	3107	2332
15:12	MP30162-MB1	4715	38876	3094	2456
15:16	MP30162-B1	4558	37010	3033	2251
15:21	MA13055-CCV7	4479	36832	3050	2149
15:25	MA13055-CCB7	4754	38819	3112	2462
15:29	FA32319-12	4646	38049	3047	2374
15:34	MP30162-D1	4662	38172	3017	2381
15:38	MP30162-SD1	4737	38430	3057	2445
15:43	MP30162-PS1	4595	37355	2989	2305
15:47	MP30162-S1	4538	36606	2966	2202
15:51	MP30162-S2	4542	36663	2967	2202
15:56	ZZZZZZ	4657	37990	3015	2353
16:00	ZZZZZZ	4794	39199	3077	2400
16:05	ZZZZZZ	4685	37895	3011	2367
16:09	ZZZZZZ	4701	38183	3040	2395
16:14	MA13055-CCV8	4507	36654	2987	2149
16:18	MA13055-CCB8	4762	38586	3072	2453

INTERNAL STANDARD SUMMARY

Login Number: FA32307
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032416M2.ICP Date Analyzed: 03/24/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13055
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:22	ZZZZZZ	4684	38210	3018	2412
16:27	ZZZZZZ	4716	38393	3050	2388
16:31	ZZZZZZ	4543	37000	2966	2291
16:36	ZZZZZZ	4491	36638	2993	2211
16:40	ZZZZZZ	4952	40457	3209	2410
16:45	ZZZZZZ	4690	38292	3031	2412
16:49	ZZZZZZ	4615	37678	3010	2362
16:54	ZZZZZZ	4768	39043	3114	2406
16:58	ZZZZZZ	4648	38119	3023	2383
17:03	ZZZZZZ	4690	38336	3013	2419
17:07	MA13055-CCV9	4535	36840	3021	2170
17:12	MA13055-CCB9	4771	38885	3088	2465
17:16	ZZZZZZ	4690	38264	3050	2381
17:21	ZZZZZZ	4567	37486	2990	2312
17:25	ZZZZZZ	4633	37766	2994	2353
17:30	ZZZZZZ	4593	37511	2991	2351
17:34	ZZZZZZ	4629	37831	3019	2363
17:39	MA13055-CRIA2	4746	38432	3092	2421
17:43	MA13055-ICSA2	4112	32885	2845	1919
17:48	MA13055-ICSAB2	4074	32773	2798	1886
17:52	MA13055-CCV10	4492	36774	2979	2153
17:56	MA13055-CCB10	4764	38708	3097	2467

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.1.1
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BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32307
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032416M2.ICP
 QC Limits: result < RL

Date Analyzed: 03/24/16
 Run ID: MA13055

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		10:11		10:44		11:37		12:32		
	Sample ID:	RL	IDL	ICB1	final	CCB1	final	CCB2	final	CCB3	final
Aluminum	200	14	anr								
Antimony	6.0	1	anr								
Arsenic	10	1.3	anr								
Barium	200	1	anr								
Beryllium	4.0	.2	anr								
Cadmium	5.0	.2	anr								
Calcium	1000	50	anr								
Chromium	10	1	anr								
Cobalt	50	.2	anr								
Copper	25	1	anr								
Iron	300	17	anr								
Lead	5.0	1	0.40	<5.0	0.40	<5.0	0.30	<5.0	0.30	<5.0	
Magnesium	5000	35	anr								
Manganese	15	.5	anr								
Molybdenum	50	.3	anr								
Nickel	40	.4	anr								
Potassium	10000	200	anr								
Selenium	10	2.4	anr								
Silver	10	.7	anr								
Sodium	10000	500	anr								
Strontium	10	.5									
Thallium	10	1.1	anr								
Tin	50	.9									
Titanium	10	.5									
Vanadium	50	.5	anr								
Zinc	20	3	anr								

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32307
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032416M2.ICP
 QC Limits: result < RL

Date Analyzed: 03/24/16
 Run ID: MA13055

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	12:53 CCB4		13:52 CCB5		14:32 CCB6		15:25 CCB7	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14	anr							
Antimony		6.0	1	anr							
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2	anr							
Cadmium		5.0	.2	anr							
Calcium		1000	50	anr							
Chromium		10	1	anr							
Cobalt		50	.2	anr							
Copper		25	1	anr							
Iron		300	17	anr							
Lead		5.0	1	0.20	<5.0	0.40	<5.0	-0.10	<5.0	-0.10	<5.0
Magnesium		5000	35	anr							
Manganese		15	.5	anr							
Molybdenum		50	.3	anr							
Nickel		40	.4	anr							
Potassium		10000	200	anr							
Selenium		10	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500	anr							
Strontium		10	.5								
Thallium		10	1.1	anr							
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5	anr							
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32307
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032416M2.ICP
 QC Limits: result < RL

Date Analyzed: 03/24/16
 Run ID: MA13055

Methods: SW846 6010C
 Units: ug/l

Metal	RL	IDL	Time:					
			Sample ID:	16:18	17:12	17:56		
			CCB8	CCB9	CCB10			
			raw	final	raw	final	raw	final
Aluminum	200	14	anr					
Antimony	6.0	1	anr					
Arsenic	10	1.3	anr					
Barium	200	1	anr					
Beryllium	4.0	.2	anr					
Cadmium	5.0	.2	anr					
Calcium	1000	50	anr					
Chromium	10	1	anr					
Cobalt	50	.2	anr					
Copper	25	1	anr					
Iron	300	17	anr					
Lead	5.0	1	0.10	<5.0	-0.10	<5.0	-0.30	<5.0
Magnesium	5000	35	anr					
Manganese	15	.5	anr					
Molybdenum	50	.3	anr					
Nickel	40	.4	anr					
Potassium	10000	200	anr					
Selenium	10	2.4	anr					
Silver	10	.7	anr					
Sodium	10000	500	anr					
Strontium	10	.5						
Thallium	10	1.1	anr					
Tin	50	.9						
Titanium	10	.5						
Vanadium	50	.5	anr					
Zinc	20	3	anr					

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
 6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32307
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032416M2.ICP Date Analyzed: 03/24/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13055 Units: ug/l

Metal	Time: Sample ID: ICV	10:03		CCV True	10:36		CCV True	11:33	
		ICV1	Results % Rec		CCV1	Results % Rec		CCV2	Results % Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	2040	102.0	2000	2020	101.0	2000	2010	100.5
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32307
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032416M2.ICP Date Analyzed: 03/24/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13055 Units: ug/l

Metal	Sample ID	CCV	12:28		12:47		13:32		
			CCV3	% Rec	CCV4	% Rec	CCV5	% Rec	
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	2010	100.5	2000	1990	99.5	2000	1980	99.0
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32307
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032416M2.ICP Date Analyzed: 03/24/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13055 Units: ug/l

Metal	Time: Sample ID: ICV True	14:20		CCV True	14:26		CCV True	15:21	
		ICV2 Results	% Rec		CCV6 Results	% Rec		CCV7 Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	2010	100.5	2000	2020	101.0	2000	1990	99.5
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32307
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032416M2.ICP Date Analyzed: 03/24/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13055 Units: ug/l

Metal	Time: Sample ID: CCV	16:14 CCV8		CCV True	17:07 CCV9		CCV True	17:52 CCV10	
		Results	% Rec		Results	% Rec		Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	1980	99.0	2000	1980	99.0	2000	1980	99.0
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA32307
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032416M2.ICP Date Analyzed: 03/24/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13055 Units: ug/l

Time:	09:44		
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	4000	4070	101.8
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA32307
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032416M2.ICP Date Analyzed: 03/24/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13055 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	10:15 CRIA1 Results	% Rec	17:39 CRIA2 Results	% Rec
Metal						
Aluminum	400	200	anr			
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	5.4	108.0	4.9	98.0
Magnesium	10000	5000	anr			
Manganese	30	15	anr			
Molybdenum	100	50	anr			
Nickel	80	40	anr			
Potassium	20000	10000	anr			
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	anr			
Zinc	40	20	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA32307
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032416M2.ICP Date Analyzed: 03/24/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13055 Units: ug/l

Time:	10:21	10:28	17:43	17:48						
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2						
Metal	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum	500000	500000	510000	102.0	514000	102.8	518000	103.6	528000	105.6
Antimony		1000	0.80		1030	103.0	-0.20		1020	102.0
Arsenic		1000	0.10		1110	111.0	3.4		1080	108.0
Barium		500	0.20		523	104.6	0.10		540	108.0
Beryllium		500	-0.30		519	103.8	-0.10		520	104.0
Cadmium		1000	0.10		978	97.8	-2.1		951	95.1
Calcium	500000	500000	494000	98.8	496000	99.2	502000	100.4	510000	102.0
Chromium		500	0.0		520	104.0	0.20		515	103.0
Cobalt		500	-0.30		483	96.6	0.0		480	96.0
Copper		500	0.0		545	109.0	0.60		564	112.8
Iron	200000	200000	190000	95.0	194000	97.0	190000	95.0	195000	97.5
Lead		1000	-0.20		963	96.3	0.80		951	95.1
Magnesium	500000	500000	531000	106.2	539000	107.8	542000	108.4	550000	110.0
Manganese		500	-0.30		523	104.6	-0.60		508	101.6
Molybdenum		1000	0.70		958	95.8	0.70		950	95.0
Nickel		1000	-0.10		972	97.2	0.80		944	94.4
Potassium			-42		17.9		80.6		69.3	
Selenium		1000	-1.2		1020	102.0	3.2		1010	101.0
Silver		1000	-0.30		1040	104.0	-0.10		1060	106.0
Sodium			115		136		131		140	
Strontium		1000	-0.40		1040	104.0	0.0		1030	103.0
Thallium		1000	0.0		947	94.7	-2.4		932	93.2
Tin		1000	0.90		943	94.3	1.4		948	94.8
Titanium		1000	0.50		983	98.3	0.60		965	96.5
Vanadium		500	0.60		479	95.8	1.9		468	93.6
Zinc		1000	-3.7		988	98.8	-4.9		936	93.6

(*) Outside of QC limits
(anr) Analyte not requested

6.1.6
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32307
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA050516M1.ICP Date Analyzed: 05/05/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13139
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:12	MA13139-STD1	1		STDA
10:16	MA13139-STD2	1		STDB
10:19	MA13139-STD3	1		STDC
10:22	MA13139-STD4	1		STDD
10:26	MA13139-HSTD1	1		
10:30	MA13139-ICV1	1		
10:37	MA13139-ICB1	1		
10:41	MA13139-CR1A1	1		
10:45	MA13139-ICSA1	1		
10:52	MA13139-ICSAB1	1		
10:57	MA13139-CCV1	1		
11:03	MA13139-CCB1	1		
11:14	MP30323-MB1	1		
11:18	MP30323-B1	1		
11:22	FA33512-1L	1		(sample used for QC only; not part of login FA32307)
11:27	MP30323-D1	1		
11:32	MP30323-SD1	5		
11:36	MP30323-S1	1		
11:40	MP30323-S2	1		
11:45	ZZZZZZ	1		
11:49	ZZZZZZ	1		
11:54	ZZZZZZ	1		
11:58	MA13139-CCV2	1		
12:03	MA13139-CCB2	1		
12:07	ZZZZZZ	1		
12:12	FA33622-1	1		(sample used for QC only; not part of login FA32307)
12:16	ZZZZZZ	1		
12:20	MP30323-D2	1		
12:25	MP30323-D3	1		
12:29	MP30323-MB2	1		
12:34	MP30323-B2	1		
12:38	MP30323-MB3	1		
12:43	MP30323-B3	1		

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32307
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA050516M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 05/05/16
Run ID: MA13139
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:47	MA13139-CCV3	1		
12:51	MA13139-CCB3	1		
13:20	MA13139-CCV4	1		
13:25	MA13139-CCB4	1		
13:30	MP30322-MB1	5		
13:34	MP30322-B1	5		
13:39	FA32307-1	5		
13:43	MP30322-D1	5		
13:47	MP30322-SD1	25		
13:56	MP30322-S1	5		
14:00	MP30322-S2	5		
14:05	FA32307-4	5		
14:09	FA32307-10	5		
14:13	MA13139-CCV5	1		
14:17	MA13139-CCB5	1		
14:22	FA32307-13	5		
14:26	FA32307-16	5		
14:31	FA32307-19	5		
14:35	FA32307-22	5		
14:39	MP30322-PS1	5		
14:44	FA32307-25	5		
14:48	FA32307-28	5		
14:53	FA32307-31	5		
14:57	FA32307-32	5		
15:01	FA32307-37	5		
15:06	MA13139-CCV6	1		
15:10	MA13139-CCB6	1		
15:14	MP30322-D2	5		
15:19	FA32307-7	5		
----->	Last reportable sample/prep for job FA32307			
15:23	ZZZZZZ	2		
15:28	MA13139-CRIA2	1		
15:32	MA13139-ICSA2	1		
15:37	MA13139-ICSAB2	1		

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32307
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA050516M1.ICP Date Analyzed: 05/05/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13139
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
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15:41 MA13139-CCV7 1

15:45 MA13139-CCB7 1

-----> Last reportable CCB for job FA32307
Refer to raw data for calibration curve and standards.

6.2
6

INTERNAL STANDARD SUMMARY

Login Number: FA32307
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA050516M1.ICP Date Analyzed: 05/05/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13139
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:12	MA13139-STD1	5203	43077	2902	2825
10:16	MA13139-STD2	5139	42032	2893	2630
10:19	MA13139-STD3	4964	40529	2846	2382
10:22	MA13139-STD4	4846	39343	2763	2223
10:26	MA13139-HSTD1	4844	39482	2718	2219
10:30	MA13139-ICV1	5038	40364	2754	2394
10:37	MA13139-ICB1	5212 R	43026 R	2863 R	2849 R
10:41	MA13139-CR1A1	5101	41784	2865	2690
10:45	MA13139-ICSA1	4607	36583	2646	2093
10:52	MA13139-ICSAB1	4513	35968	2602	2029
10:57	MA13139-CCV1	4872	40100	2793	2337
11:03	MA13139-CCB1	5213	43104	2928	2838
11:14	MP30323-MB1	5138	42298	2802	2777
11:18	MP30323-B1	5079	40972	2771	2504
11:22	FA33512-1L	4952	39386	2750	2427
11:27	MP30323-D1	4865	38924	2766	2371
11:32	MP30323-SD1	5118	41313	2797	2629
11:36	MP30323-S1	4964	39480	2718	2324
11:40	MP30323-S2	5005	39569	2712	2333
11:45	ZZZZZZ	4677	36099	2732	2113
11:49	ZZZZZZ	5031	39763	2765	2475
11:54	ZZZZZZ	5079	39926	2760	2488
11:58	MA13139-CCV2	5103	40400	2683	2369
12:03	MA13139-CCB2	5352	42812	2759	2810
12:07	ZZZZZZ	5001	39252	2692	2402
12:12	FA33622-1	4903	38614	2647	2357
12:16	ZZZZZZ	5007	39778	2747	2408
12:20	MP30323-D2	5035	39359	2663	2410
12:25	MP30323-D3	4984	38837	2628	2391
12:29	MP30323-MB2	5095	40165	2755	2484
12:34	MP30323-B2	5119	40161	2712	2375
12:38	MP30323-MB3	5150	39818	2697	2503
12:43	MP30323-B3	5126	40166	2708	2371

INTERNAL STANDARD SUMMARY

Login Number: FA32307
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA050516M1.ICP Date Analyzed: 05/05/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13139
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:47	MA13139-CCV3	5129	40396	2662	2365
12:51	MA13139-CCB3	5405	42689	2729	2819
13:20	MA13139-CCV4	5187	41094	2723	2398
13:25	MA13139-CCB4	5358	42573	2684	2813
13:30	MP30322-MB1	5391	43015	2694	2805
13:34	MP30322-B1	5401	43121	2747	2719
13:39	FA32307-1	5418	42750	2731	2639
13:43	MP30322-D1	5468	42922	2690	2658
13:47	MP30322-SD1	5548	43802	2730	2809
13:56	MP30322-S1	5403	42340	2715	2575
14:00	MP30322-S2	5394	41800	2634	2570
14:05	FA32307-4	5469	42142	2628	2639
14:09	FA32307-10	5472	42818	2669	2632
14:13	MA13139-CCV5	5222	41009	2635	2393
14:17	MA13139-CCB5	5494	43185	2673	2848
14:22	FA32307-13	5478	42517	2644	2652
14:26	FA32307-16	5557	43614	2703	2710
14:31	FA32307-19	5546	43196	2702	2716
14:35	FA32307-22	5479	42259	2634	2671
14:39	MP30322-PS1	5442	42429	2681	2623
14:44	FA32307-25	5394	42217	2661	2602
14:48	FA32307-28	5510	42969	2684	2651
14:53	FA32307-31	5397	42173	2597	2623
14:57	FA32307-32	5491	43125	2725	2661
15:01	FA32307-37	5463	42919	2715	2679
15:06	MA13139-CCV6	5242	40916	2624	2402
15:10	MA13139-CCB6	5510	43115	2671	2851
15:14	MP30322-D2	5449	42566	2697	2634
15:19	FA32307-7	5514	43220	2722	2673
15:23	ZZZZZZ	5322	41664	2660	2553
15:28	MA13139-CRIA2	5372	41885	2651	2703
15:32	MA13139-ICSA2	4859	37129	2511	2103
15:37	MA13139-ICSAB2	4843	36559	2440	2069

6.2.1
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INTERNAL STANDARD SUMMARY

Login Number: FA32307
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA050516M1.ICP Date Analyzed: 05/05/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13139
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:41	MA13139-CCV7	5253	40352	2563	2392
15:45	MA13139-CCB7	5430	42820	2651	2806

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

<u>Istd#</u>	<u>Parameter</u>	<u>Limits</u>
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.2.1
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32307
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA050516M1.ICP
 QC Limits: result < RL

Date Analyzed: 05/05/16
 Run ID: MA13139

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		10:37		11:03		12:03		12:51		
	Sample ID:	RL	IDL	ICB1	final	CCB1	final	CCB2	final	CCB3	final
Aluminum	200	14									
Antimony	20	1									
Arsenic	10	1.3	anr								
Barium	200	1	anr								
Beryllium	5.0	.2									
Cadmium	4.0	.2	anr								
Calcium	5000	50									
Chromium	10	1	anr								
Cobalt	50	.2									
Copper	25	1									
Iron	300	17									
Lead	20	1	0.0	<20	-0.20	<20	0.10	<20	-0.10	<20	
Magnesium	5000	35									
Manganese	15	.5									
Molybdenum	50	.3									
Nickel	40	.4									
Potassium	10000	200									
Selenium	20	2.4	anr								
Silver	10	.7	anr								
Sodium	10000	500	anr								
Strontium	10	.5									
Thallium	10	1.1									
Tin	50	.9									
Titanium	10	.5									
Vanadium	50	.5									
Zinc	20	3									

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32307
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA050516M1.ICP
 QC Limits: result < RL

Date Analyzed: 05/05/16
 Run ID: MA13139

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		13:25		14:17		15:10		15:45		
	Sample ID:	RL	IDL	CCB4	final	CCB5	final	CCB6	final	CCB7	final
Aluminum		200	14								
Antimony		20	1								
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		5.0	.2								
Cadmium		4.0	.2	anr							
Calcium		5000	50								
Chromium		10	1	anr							
Cobalt		50	.2								
Copper		25	1								
Iron		300	17								
Lead		20	1	-0.20	<20	-0.30	<20	-0.10	<20	0.50	<20
Magnesium		5000	35								
Manganese		15	.5								
Molybdenum		50	.3								
Nickel		40	.4								
Potassium		10000	200								
Selenium		20	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500	anr							
Strontium		10	.5								
Thallium		10	1.1								
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3								

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32307
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA050516M1.ICP Date Analyzed: 05/05/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13139 Units: ug/l

Metal	Time:		10:30		10:57		11:58		
	Sample ID:	ICV	ICV1	CCV	CCV1	CCV	CCV2		
	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper									
Iron									
Lead	2000	2030	101.5	2000	2060	103.0	2000	2000	100.0
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32307
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA050516M1.ICP Date Analyzed: 05/05/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13139 Units: ug/l

Metal	Sample ID	CCV	12:47		CCV	13:20		CCV	14:13	
			CCV3	Results		CCV4	Results		CCV5	Results
		True	% Rec	% Rec	True	% Rec	% Rec	True	% Rec	% Rec
Aluminum										
Antimony										
Arsenic		anr								
Barium		anr								
Beryllium										
Cadmium		anr								
Calcium										
Chromium		anr								
Cobalt										
Copper										
Iron										
Lead		2000	2000	100.0	2000	2000	100.0	2000	2000	100.0
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium		anr								
Silver		anr								
Sodium		anr								
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32307
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA050516M1.ICP Date Analyzed: 05/05/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13139 Units: ug/l

Metal	Time: 15:06		% Rec	Time: 15:41		
	Sample ID: CCV	CCV6		CCV	CCV7	
	True	Results		True	Results	% Rec
Aluminum						
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper						
Iron						
Lead	2000	2000	100.0	2000	1990	99.5
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium	anr					
Silver	anr					
Sodium	anr					
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA32307
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA050516M1.ICP Date Analyzed: 05/05/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13139 Units: ug/l

Time:	10:26
Sample ID:	HSTD1
Metal	True
Results	% Rec

Aluminum			
Antimony			
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium	anr		
Calcium			
Chromium	anr		
Cobalt			
Copper			
Iron			
Lead	4000	4010	100.3
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA32307
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA050516M1.ICP Date Analyzed: 05/05/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13139 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	10:41 CRIA1 Results	% Rec	15:28 CRIA2 Results	% Rec
Metal						
Aluminum	400	200				
Antimony	10	5.0				
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0	anr			
Calcium	2000	1000				
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25				
Iron	600	300				
Lead	10	5.0	5.3	106.0	4.7	94.0
Magnesium	10000	5000				
Manganese	30	15				
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000				
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20				

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA32307
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA050516M1.ICP Date Analyzed: 05/05/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13139 Units: ug/l

Time:	10:45	10:52	15:32	15:37						
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2						
Metal	True	True	Results	% Rec						
Aluminum	500000	500000	516000	103.2	534000	106.8	513000	102.6	526000	105.2
Antimony		1000	0.0		1040	104.0	-2.1		977	97.7
Arsenic		1000	0.0		1100	110.0	1.0		1050	105.0
Barium		500	0.90		545	109.0	1.2		539	107.8
Beryllium		500	-0.10		535	107.0	-0.10		532	106.4
Cadmium		1000	0.0		965	96.5	-1.1		938	93.8
Calcium	500000	500000	493000	98.6	503000	100.6	501000	100.2	507000	101.4
Chromium		500	0.0		519	103.8	-0.10		515	103.0
Cobalt		500	-0.20		482	96.4	0.0		470	94.0
Copper		500	0.80		572	114.4	1.6		547	109.4
Iron	200000	200000	189000	94.5	194000	97.0	186000	93.0	189000	94.5
Lead		1000	0.0		975	97.5	3.4		958	95.8
Magnesium	500000	500000	531000	106.2	543000	108.6	531000	106.2	540000	108.0
Manganese		500	0.20		517	103.4	-0.40		504	100.8
Molybdenum		1000	0.0		967	96.7	-0.10		938	93.8
Nickel		1000	0.0		959	95.9	0.20		926	92.6
Potassium			5.8		-11		-9.5		44.9	
Selenium		1000	-1.7		1030	103.0	-0.80		985	98.5
Silver		1000	0.0		1070	107.0	0.40		1030	103.0
Sodium			180		168		165		164	
Strontium		1000	0.20		1070	107.0	0.10		1060	106.0
Thallium		1000	0.0		959	95.9	0.60		925	92.5
Tin		1000	2.0		948	94.8	1.9		931	93.1
Titanium		1000	0.90		1030	103.0	1.0		993	99.3
Vanadium		500	0.0		477	95.4	0.90		468	93.6
Zinc		1000	-1.6		952	95.2	-1.9		931	93.1

(*) Outside of QC limits
(anr) Analyte not requested

6.2.6
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA32307
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30160
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/24/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	14	14		
Antimony	6.0	1	1		
Arsenic	10	1.3	1.3		
Barium	200	1	1		
Beryllium	4.0	.2	.2		
Cadmium	5.0	.2	.2		
Calcium	1000	50	50		
Chromium	10	1	1		
Cobalt	50	.2	.2		
Copper	25	1	1		
Iron	300	17	17		
Lead	5.0	1	1.1	0.60	<5.0
Magnesium	5000	35	35		
Manganese	15	.5	1		
Molybdenum	50	.3	.3		
Nickel	40	.4	.4		
Potassium	10000	200	200		
Selenium	10	2.4	2.9		
Silver	10	.7	.7		
Sodium	10000	500	500		
Strontium	10	.5	.5		
Thallium	10	1.1	1.4		
Tin	50	.9	1		
Titanium	10	.5	1		
Vanadium	50	.5	.6		
Zinc	20	3	4.4		

Associated samples MP30160: FA32307-40

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.3.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32307
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30160
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/24/16 03/24/16

Metal	FA32283-5 Original	DUP	RPD	QC Limits	FA32283-5 Original MS	Spikelot MPFLICP2 % Rec	QC Limits		
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	0.0	1.3	200.0(a)	0-20	0.0	505	500	101.0	80-120
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

Associated samples MP30160: FA32307-40

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested
 (a) RPD acceptable due to low duplicate and sample concentrations.

6.3.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32307
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30160
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/24/16

Metal	FA32283-5 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit		
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Cadmium	anr					
Calcium	anr					
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron	anr					
Lead	0.0	500	500	100.0	1.0	20
Magnesium	anr					
Manganese	anr					
Molybdenum	anr					
Nickel	anr					
Potassium	anr					
Selenium	anr					
Silver	anr					
Sodium	anr					
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

Associated samples MP30160: FA32307-40

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.3.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA32307
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30160
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/24/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Cadmium	anr			
Calcium	anr			
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron	anr			
Lead	508	500	101.6	80-120
Magnesium	anr			
Manganese	anr			
Molybdenum	anr			
Nickel	anr			
Potassium	anr			
Selenium	anr			
Silver	anr			
Sodium	anr			
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP30160: FA32307-40

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.3.3
6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA32307
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30160
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/24/16

Metal	FA32283-5	Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr				
Antimony	anr				
Arsenic	anr				
Barium	anr				
Beryllium	anr				
Cadmium	anr				
Calcium	anr				
Chromium	anr				
Cobalt	anr				
Copper	anr				
Iron	anr				
Lead	0.00	0.00	NC		0-10
Magnesium	anr				
Manganese	anr				
Molybdenum	anr				
Nickel	anr				
Potassium	anr				
Selenium	anr				
Silver	anr				
Sodium	anr				
Strontium					
Thallium	anr				
Tin					
Titanium					
Vanadium	anr				
Zinc	anr				

Associated samples MP30160: FA32307-40

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.3.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA32307
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30160
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date:

03/24/16

Metal	Sample ml	Final ml	FA32283-5 Raw	PS Corr.** ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	9.8	10		51.6	0.2	2.5	50	103.2	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP30160: FA32307-40

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (**) Corr. sample result = Raw * (sample volume / final volume)
 (anr) Analyte not requested

6.3.5
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA32307
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30322
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 05/05/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.4	3.5		
Antimony	2.0	.1	.13		
Arsenic	1.0	.13	.2		
Barium	20	.1	.1		
Beryllium	0.50	.02	.05		
Cadmium	0.40	.02	.05		
Calcium	500	5	5		
Chromium	1.0	.1	.1		
Cobalt	5.0	.02	.05		
Copper	2.5	.1	.1		
Iron	30	1.7	1.7		
Lead	2.0	.1	.1	-0.012	<2.0
Magnesium	500	3.5	3.6		
Manganese	1.5	.05	.05		
Molybdenum	5.0	.03	.05		
Nickel	4.0	.04	.05		
Potassium	1000	20	20		
Selenium	2.0	.24	.24		
Silver	1.0	.07	.082		
Sodium	1000	50	50		
Strontium	1.0	.05	.05		
Thallium	1.0	.11	.11		
Tin	5.0	.09	.09		
Titanium	1.0	.05	.05		
Vanadium	5.0	.05	.05		
Zinc	2.0	.3	.3		

Associated samples MP30322: FA32307-1, FA32307-4, FA32307-7, FA32307-10, FA32307-13, FA32307-16, FA32307-19, FA32307-22, FA32307-25, FA32307-28, FA32307-31, FA32307-32, FA32307-37

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.4.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32307
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30322
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 05/05/16 05/05/16

Metal	FA32307-1 Original DUP		RPD	QC Limits	FA32307-1 Original MS		Spikelot MPFLICP2 % Rec	QC Limits	
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	6.8	6.4	6.1	0-20	6.8	16.4	9.88	97.2	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP30322: FA32307-1, FA32307-4, FA32307-7, FA32307-10, FA32307-13, FA32307-16, FA32307-19, FA32307-22, FA32307-25, FA32307-28, FA32307-31, FA32307-32, FA32307-37

Results < IDL are shown as zero for calculation purposes

- (*) Outside of QC limits
- (N) Matrix Spike Rec. outside of QC limits
- (anr) Analyte not requested

6.4.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32307
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30322
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 05/05/16 05/05/16

Metal	FA32307-1 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit	FA32307-1 Original DUP	RPD	QC Limits
Aluminum							
Antimony							
Arsenic							
Barium							
Beryllium							
Cadmium							
Calcium							
Chromium							
Cobalt							
Copper							
Iron							
Lead	6.8	16.3	9.72	97.6	0.6	20	6.8 6.3 7.6 0-20
Magnesium							
Manganese							
Molybdenum							
Nickel							
Potassium							
Selenium							
Silver							
Sodium							
Strontium							
Thallium							
Tin							
Titanium							
Vanadium							
Zinc							

Associated samples MP30322: FA32307-1, FA32307-4, FA32307-7, FA32307-10, FA32307-13, FA32307-16, FA32307-19, FA32307-22, FA32307-25, FA32307-28, FA32307-31, FA32307-32, FA32307-37

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.4.2
 6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA32307
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30322
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 05/05/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	10.1	10	101.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30322: FA32307-1, FA32307-4, FA32307-7, FA32307-10, FA32307-13, FA32307-16, FA32307-19, FA32307-22, FA32307-25, FA32307-28, FA32307-31, FA32307-32, FA32307-37

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.3
6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA32307
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30322
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 05/05/16

Metal	FA32307-1	QC
	Original SDL 5:25 %DIF	Limits

Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	346	361	4.3	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30322: FA32307-1, FA32307-4, FA32307-7, FA32307-10, FA32307-13, FA32307-16, FA32307-19, FA32307-22, FA32307-25, FA32307-28, FA32307-31, FA32307-32, FA32307-37

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA32307
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30322
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date:

05/05/16

Metal	Sample ml	Final ml	FA32307-1 Raw	PS Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead	9.8	10	346.4	339.472	386.5	0.2	2.5	50	94.1	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP30322: FA32307-1, FA32307-4, FA32307-7, FA32307-10, FA32307-13, FA32307-16, FA32307-19, FA32307-22, FA32307-25, FA32307-28, FA32307-31, FA32307-32, FA32307-37

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (**) Corr. sample result = Raw * (sample volume / final volume)
 (anr) Analyte not requested

6.4.5
6

Instrument Detection Limits

Job Number: FA32307
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1	Effective Date: 01/27/15
-------------------------	--------------------------

Analyte	IDL ug/l
Aluminum	14
Antimony	1
Arsenic	1.3
Barium	1
Beryllium	.2
Cadmium	.2
Calcium	50
Chromium	1
Cobalt	.2
Copper	1
Iron	17
Lead	1
Magnesium	35
Manganese	.5
Molybdenum	.3
Nickel	.4
Potassium	200
Selenium	2.4
Silicon	5
Silver	.7
Sodium	500
Strontium	.5
Sulfur	5
Thallium	1.1
Tin	.9
Titanium	.5
Vanadium	.5
Zinc	3

The above applies to the following instrument runs:
MA13055,MA13139

6.5
6

Instrument Linear Ranges

Job Number: FA32307
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1

Effective Date: 08/13/13

Analyte	Linear Range ug/l
Aluminum	500000
Antimony	10000
Arsenic	10000
Barium	10000
Beryllium	10000
Cadmium	10000
Calcium	500000
Chromium	10000
Cobalt	10000
Copper	10000
Iron	500000
Lead	10000
Magnesium	500000
Manganese	10000
Molybdenum	10000
Nickel	10000
Potassium	80000
Selenium	10000
Silver	1000
Sodium	80000
Strontium	10000
Sulfur	10000
Thallium	10000
Tin	10000
Titanium	10000
Vanadium	10000
Zinc	10000

The above applies to the following instrument runs:
MA13055,MA13139

6.5
6

Metals Analysis

Raw Data

Sample Name: Blank Acquired: 3/24/2016 9:13:06 Type: Cal
Method: 60102007_042011(v25) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0000	.0011	-0.0009	.0012	.0001	.0063	-0.0014	-0.0005	-0.0001
Stddev	.000	.0012	.0001	.0014	.0003	.0008	.0003	.0003	.0001
%RSD	182.5	109.7	9.584	120.4	198.9	12.91	19.81	47.82	134.6
#1	-0.001	.0023	-0.0008	.0011	.0004	.0054	-.0012	-.0002	-.0001
#2	-0.000	-0.001	-0.0009	-.0002	-0.0001	.0066	-.0013	-.0007	.0000
#3	.0000	.0011	-0.0009	.0027	.0000	.0070	-.0017	-.0007	.0000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0075	.0014	.0041	-0.0008	.0005	.0016	-0.0086	-0.0005	.0002
Stddev	.0001	.0004	.0041	.0003	.0001	.0001	.0018	.0002	.0005
%RSD	1.783	31.46	100.4	30.38	12.77	7.333	21.03	46.69	216.5
#1	.0077	.0019	.0067	-.0006	.0005	.0017	-.0107	-.0004	-.0001
#2	.0075	.0012	.0061	-.0008	.0005	.0016	-.0077	-.0003	.0008
#3	.0074	.0011	-.0006	-.0011	.0006	.0014	-.0074	-.0008	-.0001
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0007	-0.0008	.0078	.0005	-0.0003	.0017	-0.0011	-0.0008	.0034
Stddev	.0001	.0003	.0001	.0001	.0012	.0000	.0001	.0000	.0041
%RSD	12.31	32.37	1.554	22.82	460.8	2.102	8.556	4.059	119.3
#1	.0006	-.0007	.0077	.0004	-.0014	.0017	-.0012	-.0008	.0007
#2	.0008	-.0011	.0078	.0007	.0010	.0017	-.0010	-.0007	.0014
#3	.0007	-.0006	.0080	.0005	-.0004	.0016	-.0012	-.0008	.0082
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2533.1	4572.5	39169.	3477.4					
Stddev	4.3	10.7	79.	16.1					
%RSD	.17044	.23478	.20157	.46155					
#1	2536.4	4582.8	39247.	3479.2					
#2	2534.7	4573.3	39089.	3460.4					
#3	2528.2	4561.4	39172.	3492.4					

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Sample Name: Blank Acquired: 3/24/2016 9:18:39 Type: Cal
Method: 60102007_042011(v25) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0000	.0019	-0.0007	.0031	.0031	.0071	-0.0007	-0.0005	-0.0002
Stddev	.000	.0014	.0001	.0007	.0012	.0012	.0002	.0001	.0000
%RSD	89.60	75.09	10.11	24.29	40.04	17.32	22.49	12.64	4.201
#1	-0.001	.0015	-.0007	.0027	.0039	.0085	-.0005	-.0004	-.0002
#2	-0.000	.0007	-.0007	.0026	.0036	.0064	-.0007	-.0005	-.0002
#3	.0000	.0035	-.0008	.0039	.0017	.0063	-.0008	-.0005	-.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0073	.0018	.0028	.0000	.0011	.0012	-0.0076	.0000	-0.0001
Stddev	.0001	.0004	.0034	.0003	.0001	.0001	.0041	.000	.0007
%RSD	1.523	19.77	121.6	24910.	10.01	11.95	53.41	354.5	1275.
#1	.0072	.0022	.0067	.0004	.0011	.0013	-.0058	-.0001	-.0008
#2	.0073	.0018	.0002	-.0002	.0010	.0013	-.0048	-.0001	.0006
#3	.0075	.0014	.0015	-.0001	.0013	.0010	-.0123	.0000	.0001
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0007	-0.0007	.0060	.0005	.0058	.0015	-0.0013	-0.0006	.0011
Stddev	.0001	.0001	.0002	.0001	.0009	.0000	.0001	.0001	.0001
%RSD	7.744	14.81	3.862	14.22	15.48	3.050	4.659	17.17	5.591
#1	.0008	-.0007	.0060	.0004	.0064	.0015	-.0013	-.0005	.0012
#2	.0007	-.0006	.0059	.0006	.0062	.0014	-.0014	-.0006	.0010
#3	.0007	-.0008	.0063	.0005	.0048	.0015	-.0013	-.0007	.0011
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2533.6	4578.4	39027.	3487.3					
Stddev	2.2	2.1	105.	6.5					
%RSD	.08699	.04609	.26905	.18597					
#1	2531.3	4576.2	39018.	3484.2					
#2	2534.0	4578.4	38926.	3494.8					
#3	2535.7	4580.4	39136.	3483.0					

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Sample Name: LowStd Acquired: 3/24/2016 9:23:50 Type: Cal
Method: 60102007_042011(v25) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0363	2.364	.0926	4.482	5.541	2.594	2.458	1.351	2.682
Stddev	.0002	.007	.0005	.005	.010	.010	.006	.003	.0011
%RSD	.5294	.3068	.5107	.1150	.1858	.3953	.2584	.1824	.4158
#1	.0361	2.368	.0923	4.477	5.531	2.603	2.457	1.350	.2695
#2	.0363	2.369	.0924	4.482	5.552	2.597	2.453	1.349	.2673
#3	.0365	2.356	.0931	4.487	5.541	2.583	2.465	1.354	.2679
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4765	1.801	1.029	.2597	1.510	.5689	4.340	.8364	.3974
Stddev	.0014	.006	.003	.0005	.005	.0004	.011	.0019	.0017
%RSD	.2979	.3422	.2464	.1850	.3016	.0749	.2552	.2306	.4309
#1	.4749	1.803	1.031	.2595	1.515	.5686	4.332	.8364	.3966
#2	.4773	1.806	1.026	.2594	1.509	.5687	4.352	.8345	.3962
#3	.4773	1.794	1.031	.2603	1.507	.5694	4.335	.8384	.3993
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1358	.0663	.2076	.1979	7.917	1.068	.1379	.3615	1.212
Stddev	.0004	.0003	.0003	.0004	.014	.002	.0005	.0012	.003
%RSD	.3075	.3858	.1364	.2194	.1774	.1955	.3402	.3211	.2472
#1	.1353	.0665	.2077	.1979	7.909	1.069	.1376	.3622	1.213
#2	.1360	.0664	.2073	.1974	7.933	1.070	.1376	.3622	1.208
#3	.1361	.0660	.2078	.1983	7.908	1.066	.1384	.3602	1.214
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2389.0	4473.1	37987.	3394.1					
Stddev	4.5	8.1	201.	18.0					
%RSD	.18667	.18191	.52861	.53172					
#1	2389.2	4468.1	37881.	3387.7					
#2	2393.4	4482.5	37861.	3380.1					
#3	2384.5	4468.8	38218.	3414.5					

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Sample Name: MidStd Acquired: 3/24/2016 9:27:18 Type: Cal
Method: 60102007_042011(v25) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1471	9.010	.3876	18.35	22.32	9.704	9.912	5.417	1.069
Stddev	.0003	.020	.0010	.04	.05	.029	.013	.003	.004
%RSD	.2206	.2211	.2547	.2388	.2160	.3045	.1264	.0537	.3520
#1	.1475	9.033	.3878	18.40	22.37	9.728	9.898	5.414	1.067
#2	.1468	8.994	.3884	18.31	22.28	9.713	9.918	5.417	1.073
#3	.1471	9.004	.3865	18.35	22.30	9.671	9.920	5.419	1.066
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.903	6.430	3.957	.9877	5.996	2.312	16.60	3.339	1.652
Stddev	.005	.013	.013	.0020	.029	.001	.02	.004	.003
%RSD	.2866	.2041	.3228	.1983	.4830	.0589	.1168	.1347	.1882
#1	1.904	6.444	3.969	.9889	5.991	2.312	16.62	3.334	1.648
#2	1.897	6.418	3.943	.9855	6.027	2.313	16.58	3.343	1.653
#3	1.907	6.428	3.959	.9888	5.970	2.310	16.60	3.339	1.654
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.5585	.2751	.9843	.7971	32.18	4.336	.5678	1.470	4.871
Stddev	.0021	.0005	.0009	.0003	.09	.008	.0016	.005	.016
%RSD	.3829	.1857	.0875	.0316	.2872	.1744	.2906	.3620	.3279
#1	.5610	.2750	.9853	.7969	32.22	4.340	.5695	1.472	4.85

Sample Name: HighStd Acquired: 3/24/2016 9:31:33 Type: Cal
Method: 60102007_042011(v25) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem Units	Ag3280 Cts/S	Al3961 Cts/S	As1890 Cts/S	Ba4554 Cts/S	Be3130 Cts/S	Ca3179 Cts/S	Cd2265 Cts/S	Co2286 Cts/S	Cr2677 Cts/S
Avg	2837	17.62	7758	36.62	43.66	18.84	19.32	10.61	2.082
Stddev	.0014	.05	.0004	.11	.17	.06	.03	.01	.002
%RSD	.4887	.2650	.0491	.2963	.3928	.3140	.1438	.0639	.0951
#1	.2823	17.67	.7756	36.67	43.80	18.91	19.33	10.61	2.080
#2	.2838	17.58	.7763	36.49	43.47	18.81	19.29	10.60	2.084
#3	.2850	17.62	.7756	36.68	43.72	18.81	19.34	10.61	2.081
Elem Units	Cu3247 Cts/S	Fe2599 Cts/S	K_7664 Cts/S	Mg2790 Cts/S	Mn2576 Cts/S	Mo2020 Cts/S	Na5895 Cts/S	Ni2316 Cts/S	Pb2203 Cts/S
Avg	3759	12.91	7.771	1.926	11.44	4.567	32.67	6.506	3.319
Stddev	.013	.03	.028	.008	.04	.000	.13	.006	.007
%RSD	.3545	.2615	.3652	.4357	.3135	.0093	.3972	.0867	.2191
#1	3.746	12.95	7.799	1.936	11.41	4.568	32.74	6.511	3.315
#2	3.772	12.88	7.742	1.922	11.44	4.567	32.52	6.500	3.315
#3	3.758	12.91	7.773	1.921	11.48	4.567	32.75	6.507	3.327
Elem Units	Sb2068 Cts/S	Se1960 Cts/S	Si2124 Cts/S	Sn1899 Cts/S	Sr4077 Cts/S	Ti3349 Cts/S	Tl1908 Cts/S	V_2924 Cts/S	Zn2062 Cts/S
Avg	1.114	.5492	1.381	1.555	63.39	8.494	1.123	2.904	9.514
Stddev	.002	.0004	.001	.001	.24	.024	.001	.008	.024
%RSD	.2019	.0772	.1041	.0872	.3732	.2841	.0960	.2645	.2514
#1	1.115	.5496	1.380	1.555	63.57	8.480	1.122	2.896	9.517
#2	1.116	.5488	1.380	1.554	63.12	8.481	1.122	2.904	9.488
#3	1.112	.5492	1.382	1.556	63.48	8.522	1.124	2.911	9.536
Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S					
Avg	2026.8	4133.4	3564.7	3316.3					
Stddev	2.7	6.4	132.	6.9					
%RSD	.13088	.15432	.37155	.20791					
#1	2027.4	4128.8	3574.1	3315.2					
#2	2023.9	4130.6	3570.4	3310.0					
#3	2029.0	4140.7	3549.5	3323.6					

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Sample Name: HSTD Acquired: 3/24/2016 9:44:49 Type: QC
Method: 60102007_042011(v25) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	4966	80.36	4.083	4.035	4.057	80.12	4.025	4.019	4.013
Stddev	.0019	.30	.006	.028	.012	.29	.003	.005	.004
%RSD	.3905	.3727	.1511	.6910	.2826	.3652	.0635	.1144	.1117
#1	.4985	80.20	4.078	4.029	4.054	80.19	4.027	4.023	4.016
#2	.4946	80.17	4.090	4.010	4.048	79.80	4.025	4.020	4.008
#3	.4967	80.70	4.082	4.065	4.070	80.38	4.022	4.014	4.014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	3.998	80.84	80.79	80.92	3.965	4.033	80.78	4.027	4.066
Stddev	.015	.35	.37	.28	.042	.003	.41	.007	.008
%RSD	.3823	.4330	.4594	.3434	1.055	.0699	.5062	.1693	.1936
#1	4.013	80.69	80.57	81.18	3.941	4.035	80.56	4.035	4.062
#2	3.982	80.59	80.59	80.63	4.013	4.035	80.53	4.024	4.060
#3	3.998	81.24	81.22	80.96	3.941	4.030	81.25	4.022	4.075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	4.060	4.078	3.552	4.006	4.041	3.991	4.022	4.054	4.039
Stddev	.009	.002	.005	.002	.025	.025	.008	.009	.005
%RSD	.2129	.0473	.1457	.0369	.6207	.6396	.1878	.2354	.1199
#1	4.064	4.080	3.558	4.007	4.028	3.962	4.019	4.048	4.045
#2	4.066	4.078	3.549	4.006	4.025	4.000	4.017	4.050	4.036
#3	4.050	4.076	3.549	4.004	4.070	4.010	4.031	4.065	4.037
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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7.1
7

Sample Name: HSTD Acquired: 3/24/2016 9:44:49 Type: QC
Method: 60102007_042011(v25) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1995.3	4066.3	3521.2	3233.3
Stddev	9.2	8.2	136.	8.6
%RSD	.46346	.20077	.38702	.26631
#1	2000.2	4067.7	3536.6	3236.0
#2	2000.9	4073.7	3510.7	3240.3
#3	1984.6	4057.5	3516.2	3223.7

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Sample Name: ICV Acquired: 3/24/2016 10:03:17 Type: QC
Method: 60102007_042011(v25) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	2497	41.00	2.042	2.041	2.046	41.36	2.076	2.058	2.074
Stddev	.0006	.23	.002	.007	.012	.26	.003	.002	.009
%RSD	.2359	.5584	.1088	.3489	.5921	.6194	.1371	.1040	.4285
#1	.2500	41.00	2.040	2.038	2.049	41.24	2.077	2.057	2.073
#2	.2490	41.23	2.044	2.049	2.057	41.65	2.079	2.061	2.066
#3	.2500	40.77	2.042	2.037	2.033	41.18	2.073	2.057	2.083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	2.000	40.23	41.20	41.16	2.092	2.085	41.04	2.070	2.036
Stddev	.008	.36	.18	.21	.008	.005	.27	.003	.003
%RSD	.4222	.9009	.4468	.5044	.3725	.2268	.6504	.1233	.1212
#1	2.008	40.16	41.06	41.16	2.096	2.079	41.02	2.070	2.037
#2	2.002	40.63	41.41	41.36	2.083	2.088	41.31	2.072	2.039
#3	1.991	39.91	41.14	40.94	2.097	2.087	40.77	2.067	2.034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	2.023	2.048	1.805	2.080	2.060	2.083	2.037	2.083	2.087
Stddev	.004	.005	.004	.002	.011	.005	.002	.007	.006
%RSD	.2025	.2535	.2439	.1143	.5178	.2457	.0877	.3449	.3122
#1	2.019	2.047	1.800	2.077	2.059	2.087	2.035	2.081	2.092
#2	2.027	2.053	1.806	2.082	2.071	2.078	2.037	2.077	2.090
#3	2.024	2.043	1.808	2.080	2.050	2.085	2.039	2.091	2.079
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: ICB Acquired: 3/24/2016 10:03:17 Type: QC
 Method: 60102007_042011(v25) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2155.8	4264.2	3634.1	3345.5
Stddev	2.6	4.3	165.	23.2
%RSD	.11833	.10068	.45339	.69198
#1	2152.9	4264.6	36216.	3361.2
#2	2156.8	4259.8	36528.	3318.9
#3	2157.7	4268.3	36279.	3356.4

Sample Name: ICB Acquired: 3/24/2016 10:11:32 Type: QC
 Method: 60102007_042011(v25) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.002	-0.060	-0.004	-0.001	-0.002	-0.103	-0.002	-0.001	0.001
Stddev	.0001	.0023	.0004	.0007	.0001	.0005	.0000	.0001	.0001
%RSD	46.51	38.76	106.3	661.7	23.63	4.656	14.63	53.67	119.5
#1	-0.002	-0.057	-0.003	-0.009	-0.003	-0.098	-0.002	-0.001	0.001
#2	-0.002	-0.085	-0.008	0.002	-0.002	-0.105	-0.001	-0.002	0.001
#3	-0.004	-0.039	0.000	0.004	-0.002	-0.107	-0.002	-0.002	0.000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-0.002	-0.030	-0.216	-0.022	-0.003	0.002	-0.023	-0.003	0.004
Stddev	.0002	.0009	.0377	.0238	.0000	.0001	.0086	.0000	.0004
%RSD	87.06	30.05	174.8	1071.	8.083	44.59	379.3	18.66	100.1
#1	-0.003	-0.021	-0.483	-0.294	-0.002	0.002	0.027	-0.003	-0.001
#2	0.000	-0.040	0.215	0.079	-0.002	0.002	-0.122	-0.002	0.006
#3	-0.001	-0.030	-0.379	0.149	-0.003	0.001	0.027	-0.003	0.008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	-0.002	0.014	0.030	0.000	-0.003	0.001	0.007	-0.001	-0.002
Stddev	.0010	.0022	.0004	.0001	.0000	.0001	.0004	.0002	.0000
%RSD	560.2	157.0	14.36	579.6	5.340	83.94	62.89	160.6	2.007
#1	0.003	0.012	0.034	0.000	-0.003	0.001	0.006	-0.003	-0.002
#2	-0.014	-0.007	0.026	-0.001	-0.003	0.001	0.003	0.000	-0.002
#3	0.005	0.036	0.031	0.002	-0.003	0.000	0.012	0.000	-0.002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.1
7

Sample Name: ICB Acquired: 3/24/2016 10:11:32 Type: QC
 Method: 60102007_042011(v25) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2495.9	4519.4	38510.	3389.6
Stddev	7.7	10.0	122.	16.5
%RSD	.30883	.22167	.31615	.48744
#1	2498.0	4528.6	38392.	3408.6
#2	2487.4	4508.7	38502.	3378.8
#3	2502.3	4520.7	38635.	3381.3

Sample Name: CRIA Acquired: 3/24/2016 10:15:26 Type: QC
 Method: 60102007_042011(v25) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	0.088	0.044	0.090	0.260	0.050	1.062	0.052	0.533	0.108
Stddev	.0001	.0058	.0009	.0004	.0001	.003	.0000	.0003	.0002
%RSD	.8664	2.822	9.935	1.876	1.592	2.594	4.660	5.495	1.742
#1	0.087	0.208	0.092	0.264	0.051	1.064	0.053	0.534	0.106
#2	0.089	0.213	0.099	0.257	0.050	1.064	0.052	0.529	0.110
#3	0.087	0.210	0.081	0.258	0.050	1.059	0.052	0.534	0.109

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	0.259	0.3143	10.30	5.255	0.166	0.499	10.42	0.431	0.054
Stddev	.0003	.0026	.02	.029	.0001	.0003	.02	.0004	.0004
%RSD	1.190	.8129	2.058	.5479	.5437	.6031	.1808	.9845	7.323
#1	0.262	.3125	10.32	5.257	0.166	.0501	10.41	0.436	0.051
#2	0.258	.3172	10.31	5.282	0.166	0.496	10.42	0.430	0.051
#3	0.256	.3131	10.28	5.225	0.167	0.500	10.44	0.428	0.058

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	0.043	0.105	0.063	0.532	0.100	0.104	0.109	0.497	0.220
Stddev	.0010	.0001	.0007	.0002	.0001	.0000	.0003	.0002	.0001
%RSD	24.53	1.066	11.14	.4249	1.131	.1926	3.066	.3371	2.983
#1	0.044	0.106	0.070	0.533	0.099	0.104	0.107	0.496	0.220
#2	0.031	0.104	0.061	0.533	0.101	0.104	0.107	0.495	0.221
#3	0.052	0.106	0.057	0.529	0.100	0.104	0.113	0.498	0.221

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 3/24/2016 10:15:26 Type: QC
 Method: 60102007_042011(v25) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2424.1	4479.7	3771.6	3371.3
Stddev	4.0	8.5	144.	4.6
%RSD	.16568	.18950	.38058	.13591
#1	2419.6	4470.2	37807.	3369.5
#2	2427.3	4482.2	37791.	3368.0
#3	2425.4	4486.7	37551.	3376.5

Sample Name: ICSA Acquired: 3/24/2016 10:21:58 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.003	510.2	.0001	.0002	-0.0003	494.2	.0001	-0.0003	.0000
Stddev	.0004	5.4	.0008	.0002	.0001	3.2	.0001	.0002	.0001
%RSD	118.4	1.051	1443.	130.1	39.70	.6506	129.2	75.80	198.2
#1	-0.002	505.1	-0.0003	.0004	-0.0002	493.7	.0001	-0.0006	.0001
#2	-0.008	509.8	.0010	.0002	-0.0003	491.3	.0001	-0.0003	.0001
#3	.0000	515.8	-0.0005	-0.0001	-0.0004	497.7	.0000	-0.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0000	189.5	-0.423	530.8	-0.0003	.0007	.1152	-0.0001	-0.0002
Stddev	.000	.7	.0189	2.7	.0000	.0001	.0064	.0001	.0007
%RSD	2274.	.3624	44.59	.5143	5.631	18.00	5.598	51.43	332.3
#1	-0.0003	189.3	-0.615	530.5	-0.0003	.0007	.1078	-0.0001	-0.0002
#2	.0001	188.9	-0.415	528.2	-0.0002	.0005	.1198	-0.0002	-0.0009
#3	.0002	190.2	-0.238	533.6	-0.0003	.0008	.1180	-0.0001	.0005

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0008	-0.0012	.0166	.0009	-0.0004	.0005	.0000	.0006	-0.0037
Stddev	.0012	.0016	.0008	.0004	.0000	.0002	.001	.0002	.0001
%RSD	146.6	137.7	5.026	46.72	12.06	42.52	11180.	28.89	1.785
#1	.0023	.0006	.0160	.0005	-0.0003	.0003	.0001	.0005	-0.0037
#2	.0001	-0.0016	.0163	.0009	-0.0004	.0004	-0.0009	.0008	-0.0037
#3	.0002	-0.0025	.0176	.0013	-0.0004	.0008	.0008	.0005	-0.0036

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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Sample Name: ICSA Acquired: 3/24/2016 10:21:58 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1918.4	3880.1	32727.	3123.6
Stddev	1.9	4.1	49.	13.5
%RSD	.09939	.10637	.14947	.43079
#1	1917.2	3882.9	32695.	3131.4
#2	1920.6	3882.0	32702.	3131.4
#3	1917.5	3875.4	32783.	3108.1

Sample Name: IC SAB Acquired: 3/24/2016 10:28:35 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	1.040	514.1	1.108	.5232	.5189	496.2	.9784	.4830	.5200
Stddev	.004	3.1	.001	.0024	.0024	.9	.0004	.0009	.0037
%RSD	.3386	.5990	.0757	.4511	.4662	.1792	.0373	.1931	.7208
#1	1.041	515.0	1.108	.5252	.5206	495.5	.9788	.4833	.5169
#2	1.042	510.6	1.108	.5206	.5162	495.8	.9782	.4819	.5189
#3	1.035	516.5	1.109	.5239	.5200	497.2	.9781	.4837	.5241

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.5445	193.8	.0179	539.1	.5230	.9583	.1359	.9724	.9625
Stddev	.0036	.5	.0149	.8	.0021	.0018	.0021	.0009	.0025
%RSD	.6596	.2564	83.30	.1515	.3920	.1884	1.578	.0960	.2598
#1	.5460	194.2	.0216	539.6	.5212	.9599	.1383	.9731	.9651
#2	.5472	193.2	.0015	538.1	.5226	.9587	.1341	.9714	.9622
#3	.5405	194.0	.0306	539.5	.5252	.9563	.1353	.9728	.9601

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	1.028	1.023	.0502	.9426	1.040	.9827	.9467	.4786	.9875
Stddev	.003	.008	.0013	.0028	.006	.0018	.0043	.0025	.0005
%RSD	.2793	.7996	2.658	.3011	.5848	.1808	.4548	.5140	.0468
#1	1.025	1.032	.0509	.9450	1.041	.9807	.9516	.4769	.9881
#2	1.030	1.016	.0486	.9433	1.033	.9831	.9436	.4775	.9873
#3	1.029	1.020	.0510	.9395	1.045	.9842	.9449	.4814	.9872

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 3/24/2016 10:28:35 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1892.3	3867.6	3234.0	3065.4
Stddev	3.9	3.1	157.	4.6
%RSD	.20637	.08047	.48605	.15008
#1	1894.5	3870.8	32411.	3068.6
#2	1887.8	3867.5	32448.	3067.5
#3	1894.6	3864.5	32159.	3060.1

Sample Name: CCV Acquired: 3/24/2016 10:36:27 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	2557	40.77	2.023	2.017	2.054	41.43	2.064	2.045	2.078
Stddev	.0005	.06	.004	.008	.003	.08	.002	.002	.012
%RSD	.1776	.1561	.1919	.3884	.1562	.1924	.0818	.1134	.5518
#1	.2561	40.71	2.019	2.008	2.057	41.52	2.065	2.046	2.091
#2	.2552	40.76	2.023	2.023	2.051	41.37	2.065	2.048	2.068
#3	.2557	40.83	2.027	2.019	2.054	41.39	2.062	2.043	2.075

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	1.990	40.23	40.93	41.54	2.100	2.032	40.86	2.056	2.022
Stddev	.007	.04	.05	.30	.014	.002	.07	.001	.006
%RSD	.3314	.1030	.1342	.7276	.6879	.1004	.1812	.0310	.3122
#1	1.998	40.27	40.91	41.82	2.116	2.032	40.82	2.056	2.020
#2	1.988	40.19	40.89	41.22	2.092	2.034	40.94	2.057	2.018
#3	1.985	40.23	40.99	41.59	2.091	2.030	40.81	2.055	2.030

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	1.999	2.015	2.487	2.051	2.027	2.056	2.021	2.058	2.078
Stddev	.005	.001	.003	.004	.002	.010	.004	.008	.004
%RSD	.2582	.0488	.1085	.1732	.0790	.4659	.2153	.4086	.1661
#1	1.998	2.015	2.486	2.048	2.026	2.067	2.016	2.067	2.082
#2	2.004	2.015	2.490	2.055	2.027	2.053	2.024	2.051	2.076
#3	1.994	2.013	2.485	2.050	2.029	2.049	2.022	2.055	2.077

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

7.1
7

Sample Name: CCV Acquired: 3/24/2016 10:36:27 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2154.0	4261.4	36312.	3233.1
Stddev	4.7	3.9	266.	25.1
%RSD	.22045	.09249	.73204	.77703
#1	2155.3	4257.9	36008.	3210.4
#2	2158.0	4260.7	36498.	3260.1
#3	2148.8	4265.7	36431.	3228.9

Sample Name: CCB Acquired: 3/24/2016 10:44:10 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.001	0.030	-0.001	-0.001	0.000	0.074	-0.001	0.000	0.000
Stddev	.0003	.0043	.0001	.0001	.000	.0003	.0001	.0000	.0002
%RSD	284.2	142.8	98.45	231.8	376.5	4.419	76.06	26.10	6357.
#1	-0.005	-0.012	-0.000	-0.000	0.000	0.072	-0.000	0.000	-0.000
#2	.0001	.0028	-0.001	-0.002	0.000	0.072	-0.001	0.000	-0.002
#3	0.000	0.074	-0.002	0.000	0.000	0.077	-0.002	0.000	-0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-0.001	0.022	-0.172	-0.0278	-0.001	0.002	0.050	-0.002	0.004
Stddev	.0001	.0025	.0300	.0044	.0000	.0000	.0060	.0001	.0004
%RSD	102.4	115.4	173.9	15.81	24.82	20.26	121.4	43.43	103.7
#1	-0.001	0.050	-0.441	-0.261	-0.001	0.002	-0.019	-0.001	0.009
#2	0.000	0.002	-0.226	-0.327	-0.001	0.001	0.094	-0.003	0.000
#3	-0.001	0.014	0.150	-0.245	-0.001	0.002	0.075	-0.003	0.004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	0.002	0.001	0.014	0.001	0.000	0.001	0.006	-0.001	-0.001
Stddev	.0004	.0002	.0002	.0002	.000	.0000	.0002	.0001	.0000
%RSD	184.4	267.0	13.98	138.2	162.2	20.67	36.09	99.08	23.38
#1	-0.002	-0.002	0.014	0.000	0.000	0.001	0.007	0.000	-0.001
#2	0.006	0.002	0.011	0.003	-0.001	0.001	0.007	-0.002	-0.001
#3	0.002	0.002	0.015	0.001	0.000	0.001	0.003	-0.001	-0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/24/2016 10:44:10 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2478.5	4520.0	3841.8	3334.0
Stddev	3.6	9.0	227.	16.3
%RSD	.14345	.19848	.59187	.48924
#1	2479.3	4513.4	38283.	3352.5
#2	2474.6	4530.2	38681.	3321.6
#3	2481.6	4516.3	38291.	3328.0

Sample Name: CCV Acquired: 3/24/2016 11:33:46 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.2577	41.03	1.994	2.050	2.047	42.01	2.043	2.037	2.070
Stddev	.0012	.12	.001	.004	.003	.08	.002	.002	.004
%RSD	.4811	.3010	.0370	.1700	.1554	.1845	.0741	.0742	.1859
#1	.2569	40.97	1.993	2.049	2.045	41.94	2.044	2.038	2.071
#2	.2571	40.94	1.995	2.048	2.051	42.00	2.041	2.036	2.073
#3	.2591	41.17	1.994	2.054	2.045	42.09	2.042	2.038	2.066

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	2.000	40.31	40.69	41.81	2.068	2.026	40.80	2.026	2.008
Stddev	.004	.04	.08	.11	.007	.004	.06	.002	.001
%RSD	.1838	.0915	.1972	.2517	.3451	.2156	.1352	.1152	.0282
#1	2.001	40.28	40.60	41.69	2.074	2.024	40.83	2.028	2.009
#2	1.996	40.36	40.72	41.89	2.070	2.023	40.84	2.023	2.008
#3	2.004	40.31	40.76	41.84	2.060	2.031	40.74	2.027	2.008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	1.972	1.998	2.458	2.050	2.013	2.027	2.006	2.035	2.039
Stddev	.006	.010	.004	.003	.001	.004	.003	.003	.002
%RSD	.2869	.4866	.1569	.1366	.0563	.2026	.1397	.1412	.1127
#1	1.966	1.987	2.457	2.052	2.013	2.031	2.003	2.038	2.038
#2	1.971	2.004	2.455	2.047	2.011	2.026	2.008	2.034	2.037
#3	1.978	2.003	2.463	2.051	2.013	2.023	2.007	2.032	2.042

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

7.1
7

Sample Name: CCV Acquired: 3/24/2016 11:33:46 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2156.0	4296.9	36371.	3247.3
Stddev	4.1	11.3	82.	3.3
%RSD	.18884	.26357	.22555	.10068
#1	2160.1	4307.1	36314.	3251.0
#2	2155.8	4299.0	36334.	3244.9
#3	2152.0	4284.7	36465.	3245.8

Sample Name: CCB Acquired: 3/24/2016 11:37:56 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.0003	.0018	.0002	.0000	.0000	-0.0009	-0.0001	-0.0001	.0002
Stddev	.0002	.0073	.0006	.0003	.0000	.0010	.0000	.0001	.0002
%RSD	62.35	397.5	273.0	1185.	576.5	117.1	36.43	99.36	135.6
#1	-0.002	-0.012	.0008	.0003	.0000	.0003	.0000	.0000	.0001
#2	-0.005	.0101	.0001	.0001	.0000	-0.015	-0.001	.0000	.0000
#3	-0.001	-0.0035	-0.0003	-0.0003	.0000	-0.015	.0000	-0.001	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-0.0001	.0052	.0108	-0.0003	.0000	.0008	.0293	-0.0002	.0003
Stddev	.0003	.0010	.0236	.0404	.000	.0004	.0005	.0002	.0005
%RSD	357.0	19.94	219.5	14390.	669.8	47.03	1.858	87.49	151.7
#1	.0002	.0062	-.0103	.0300	.0000	.0011	.0292	.0000	-.0002
#2	-0.0001	.0042	.0063	.0153	-0.0001	.0008	.0299	-0.0004	.0005
#3	-0.0005	.0051	.0364	-.0461	.0000	.0004	.0288	-.0002	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	-0.0005	.0014	.0023	.0001	-0.0001	.0006	.0003	.0001	-0.0002
Stddev	.0006	.0010	.0000	.0006	.0000	.0001	.0013	.0002	.0000
%RSD	134.2	70.93	1.209	667.5	30.35	11.37	459.1	222.4	19.67
#1	.0001	.0003	.0023	.0001	-0.0001	.0007	-.0002	.0000	-.0002
#2	-.0004	.0017	.0024	-.0005	-0.0001	.0006	.0018	.0003	-.0002
#3	-.0012	.0023	.0024	.0006	-0.0001	.0006	-.0007	.0000	-.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/24/2016 11:37:56 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2480.0	4556.1	38295.	3270.7
Stddev	3.2	7.2	323.	13.4
%RSD	.12945	.15867	.84442	.41006
#1	2476.3	4547.8	38638.	3284.6
#2	2481.7	4561.0	38253.	3269.6
#3	2482.0	4559.5	37996.	3257.8

High Limit
Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-0.002	-0.075	0.143	-0.286	-0.003	-0.001	0.260	-0.006	0.006
Stddev	.001	.0019	.0703	.0207	.0000	.001	.0069	.0000	.0004
%RSD	59.94	24.99	492.6	72.29	11.77	258.7	26.54	1.240	77.82
#1	-0.001	-0.055	0.765	-0.384	-0.003	-0.002	0.334	-0.006	0.006
#2	-0.003	-0.092	0.284	-0.048	-0.003	.001	0.249	-0.006	0.001
#3	-0.002	-0.078	-0.621	-0.425	-0.002	-0.001	0.197	-0.006	0.010

High Limit
Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	-0.001	-0.007	0.078	-0.003	-0.003	-0.001	-0.001	-0.002	-0.003
Stddev	.0010	.0010	.0004	.0003	.0002	.0000	.0005	.0002	.0000
%RSD	916.9	137.5	4.741	100.7	57.64	55.20	431.8	79.04	8.762
#1	.0009	.0002	.0076	-0.003	-0.002	-0.001	.0004	-0.001	-0.003
#2	-0.003	-0.017	.0076	-0.005	-0.002	.0000	-0.001	-0.004	-0.003
#3	-0.009	-0.006	.0082	.0000	-0.005	-0.001	-0.006	-0.001	-0.003

High Limit
Low Limit

Sample Name: MP30160-MB1 Acquired: 3/24/2016 11:46:56 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.003	-0.025	-0.017	0.000	-0.003	-0.047	-0.003	-0.002	0.000
Stddev	.0001	.0069	.0005	.000	.0001	.0027	.0000	.0001	.0000
%RSD	21.13	273.5	32.02	581.9	18.45	56.48	6.548	61.63	411.0
#1	-0.004	.0028	-0.020	.0000	-0.003	-0.018	-0.003	-0.001	.0000
#2	-0.003	-0.103	-0.011	.0001	-0.003	-0.070	-0.003	-0.002	.0000
#3	-0.003	-0.001	-0.020	-0.002	-0.004	-0.053	-0.003	-0.003	.0001

High Limit
Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-0.002	-0.075	0.143	-0.286	-0.003	-0.001	0.260	-0.006	0.006
Stddev	.001	.0019	.0703	.0207	.0000	.001	.0069	.0000	.0004
%RSD	59.94	24.99	492.6	72.29	11.77	258.7	26.54	1.240	77.82
#1	-0.001	-0.055	0.765	-0.384	-0.003	-0.002	0.334	-0.006	0.006
#2	-0.003	-0.092	0.284	-0.048	-0.003	.001	0.249	-0.006	0.001
#3	-0.002	-0.078	-0.621	-0.425	-0.002	-0.001	0.197	-0.006	0.010

High Limit
Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	-0.001	-0.007	0.078	-0.003	-0.003	-0.001	-0.001	-0.002	-0.003
Stddev	.0010	.0010	.0004	.0003	.0002	.0000	.0005	.0002	.0000
%RSD	916.9	137.5	4.741	100.7	57.64	55.20	431.8	79.04	8.762
#1	.0009	.0002	.0076	-0.003	-0.002	-0.001	.0004	-0.001	-0.003
#2	-0.003	-0.017	.0076	-0.005	-0.002	.0000	-0.001	-0.004	-0.003
#3	-0.009	-0.006	.0082	.0000	-0.005	-0.001	-0.006	-0.001	-0.003

High Limit
Low Limit

7.1
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Sample Name: MP30160-MB1 Acquired: 3/24/2016 11:46:56 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2491.8	4561.9	38792.	3260.4
Stddev	4.1	11.0	97.	11.4
%RSD	.16481	.24140	.24986	.35098
#1	2493.5	4574.6	38874.	3260.5
#2	2487.1	4556.6	38816.	3271.8
#3	2494.8	4554.5	38685.	3248.9

High Limit
Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	0.489	30.04	2.011	2.159	0.544	28.57	0.529	5.262	2.175
Stddev	.0008	.18	.009	.012	.0002	.08	.0002	.0007	.0008
%RSD	1.737	.6106	.4394	.5603	.4423	2.944	.4207	1.326	.3749
#1	.0497	29.83	2.004	2.146	.0541	28.49	.0526	5.255	2.185
#2	.0491	30.08	2.009	2.160	.0545	28.57	.0529	5.261	2.169
#3	.0480	30.19	2.021	2.170	.0546	28.66	.0530	5.269	2.173

High Limit
Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	0.504	2.012	0.217	0.5234	0.5138	0.5272	2.014	0.507	0.5271
Stddev	.0016	.005	.0007	.0036	.0025	.0006	.009	.0006	.0013
%RSD	.3173	.2344	3.080	.6953	.4824	.1208	.4539	.1175	.2462
#1	.5029	2.008	.0211	0.5202	.5114	0.5267	2.007	.5013	0.5257
#2	.5061	2.010	.0216	0.5227	.5135	0.5269	2.010	.5001	0.5281
#3	.5043	2.017	.0224	0.5273	.5164	0.5279	2.024	.5008	0.5277

High Limit
Low Limit

Sample Name: MP30160-B1 Acquired: 3/24/2016 11:52:10 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	0.489	30.04	2.011	2.159	0.544	28.57	0.529	5.262	2.175
Stddev	.0008	.18	.009	.012	.0002	.08	.0002	.0007	.0008
%RSD	1.737	.6106	.4394	.5603	.4423	2.944	.4207	1.326	.3749
#1	.0497	29.83	2.004	2.146	.0541	28.49	.0526	5.255	2.185
#2	.0491	30.08	2.009	2.160	.0545	28.57	.0529	5.261	2.169
#3	.0480	30.19	2.021	2.170	.0546	28.66	.0530	5.269	2.173

High Limit
Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	0.2658	29.01	2.736	28.74	0.5515	0.5186	27.60	0.5290	0.5075
Stddev	.0005	.23	.08	.20	.0021	.0005	.12	.0010	.0024
%RSD	.2014	.7931	.2816	.7108	.3816	.0936	.4275	.1886	.4664
#1	.2656	28.78	27.32	28.73	.5537	.5180	27.46	.5279	.5048
#2	.2664	29.01	27.31	28.54	.5495	.5189	27.65	.5292	.5091
#3	.2654	29.24	27.45	28.95	.5513	.5189	27.68	.5298	.5088

High Limit
Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	0.504	2.012	0.217	0.5234	0.5138	0.5272	2.014	0.507	0.5271
Stddev	.0016	.005	.0007	.0036	.0025	.0006	.009	.0006	.0013
%RSD	.3173	.2344	3.080	.6953	.4824	.1208	.4539	.1175	.2462
#1	.5029	2.008	.0211	0.5202	.5114	0.5267	2.007	.5013	0.5257
#2	.5061	2.010	.0216	0.5227	.5135	0.5269	2.010	.5001	0.5281
#3	.5043	2.017	.0224	0.5273	.5164	0.5279	2.024	.5008	0.5277

High Limit
Low Limit

Sample Name: MP30160-B1 Acquired: 3/24/2016 11:52:10 Type: QC
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2252.8	4349.2	36594.	3187.2
Stddev	5.0	7.8	65.	11.3
%RSD	.22101	.17914	.17897	.35547

#1	2258.3	4358.1	36588.	3197.8
#2	2248.6	4343.5	36663.	3188.6
#3	2251.7	4346.1	36532.	3175.3

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Sample Name: FA32283-5 Acquired: 3/24/2016 11:56:21 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
IS Ref	-0.011	0.482	0.163	0.4237	-0.003	258.8	-0.012	0.103	0.006
Avg	-0.002	0.041	0.006	0.017	0.000	.5	0.001	0.001	0.004
Stddev	0.002	0.041	0.006	0.017	0.000	.5	0.001	0.001	0.004
%RSD	20.29	8.580	3.454	4.046	9.559	.1842	6.251	6.010	57.19

#1	-0.009	0.529	0.157	0.4239	-0.004	259.1	-0.012	0.103	0.003
#2	-0.012	0.451	0.165	0.4253	-0.003	259.1	-0.013	0.103	0.006
#3	-0.013	0.466	0.168	0.4219	-0.003	258.3	-0.011	0.102	0.010

Elem	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
IS Ref	0.016	131.4	6.115	72.49	2.387	0.022	368.3	0.032	0.005
Avg	0.002	.6	0.033	.29	.007	0.002	2.1	0.002	0.007
Stddev	0.002	.6	0.033	.29	.007	0.002	2.1	0.002	0.007
%RSD	14.06	.4446	.5391	.4058	.3000	7.246	.5572	6.307	144.6

#1	.0015	131.2	6.077	72.36	2.384	.0021	369.3	.0030	.0013
#2	.0018	132.1	6.129	72.83	2.395	.0024	369.6	.0032	.0002
#3	.0014	130.9	6.139	72.28	2.382	.0021	369.9	.0034	.0000

Elem	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
IS Ref	0.010	-0.006	8.585	0.023	1.530	0.022	-0.023	0.009	0.0591
Avg	0.010	0.016	0.06	0.002	0.06	0.002	0.002	0.001	0.003
Stddev	0.010	0.016	0.06	0.002	0.06	0.002	0.002	0.001	0.003
%RSD	103.5	270.5	.0670	9.998	.3722	6.840	9.387	15.97	.5247

#1	.0011	.0006	8.584	.0024	1.527	.0023	-0.025	.0010	.0593
#2	-0.001	.0000	8.591	.0020	1.537	.0023	-0.023	.0008	.0591
#3	.0020	-0.025	8.580	.0024	1.527	.0020	-0.021	.0008	.0587

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2006.3	4009.8	33640.	3117.6
Stddev	6.3	7.8	70.	9.3
%RSD	.31534	.19348	.20714	.29801

#1	2007.0	4011.3	33702.	3119.9
#2	2012.2	4016.6	33565.	3107.4
#3	1999.6	4001.3	33654.	3125.6

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7.1
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Sample Name: MP30160-D1 Acquired: 3/24/2016 12:00:53 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_3600)	Cr2677 (Y_3600)
IS Ref	-0.011	0.501	0.163	0.4226	-0.004	257.3	-0.013	0.103	0.007
Avg	-0.002	0.093	0.012	0.032	0.000	3.1	0.001	0.000	0.003
Stddev	-0.002	0.093	0.012	0.032	0.000	3.1	0.001	0.000	0.003
%RSD	18.83	18.48	7.433	.7591	8.341	1.203	7.534	.4671	35.80

#1	-0.011	0.394	0.176	0.4260	-0.003	260.1	-0.014	0.103	0.008
#2	-0.009	0.553	0.152	0.4222	-0.004	253.9	-0.012	0.103	0.009
#3	-0.013	0.555	0.161	0.4196	-0.004	257.8	-0.012	0.104	0.004

Elem	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_3710)	Na5895 (Y_2243)	Ni2316 (In2306)	Pb2203 (In2306)
IS Ref	0.016	131.1	6.200	72.75	2.387	0.016	363.5	0.031	0.013
Avg	0.002	.7	0.022	.36	.006	.001	3.4	0.002	0.011
Stddev	0.002	.7	0.022	.36	.006	.001	3.4	0.002	0.011
%RSD	11.14	.5141	.3597	.5005	.2549	3.257	.9472	7.673	88.99

#1	.0017	131.8	6.222	73.15	2.394	.0015	366.7	.0030	.0019
#2	.0018	130.5	6.201	72.64	2.382	.0016	363.8	.0033	.0019
#3	.0014	130.9	6.177	72.45	2.385	.0016	359.9	.0029	.0000

Elem	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_3710)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
IS Ref	-0.005	-0.011	8.547	0.017	1.525	0.023	-0.010	0.011	0.0588
Avg	0.007	0.030	0.015	0.003	0.009	0.004	0.001	0.001	0.001
Stddev	0.007	0.030	0.015	0.003	0.009	0.004	0.001	0.001	0.001
%RSD	125.0	272.8	.1710	16.91	.5952	17.17	7.224	9.731	2.448

#1	-0.007	0.020	8.552	0.015	1.535	0.028	-0.009	0.010	0.0587
#2	-0.011	-0.013	8.530	0.016	1.517	0.021	-0.010	0.011	0.0586
#3	.0002	-0.040	8.558	0.020	1.524	0.021	-0.011	0.012	0.0589

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2017.3	4026.6	33629.	3110.2
Stddev	1.2	8.0	103.	10.4
%RSD	.06195	.19834	.30487	.33413

#1	2018.0	4033.6	33588.	3098.8
#2	2018.0	4028.4	33745.	3112.9
#3	2015.9	4017.9	33552.	3119.0

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Sample Name: MP30160-SD1 Acquired: 3/24/2016 12:05:28 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
IS Ref	-0.028	0.426	0.113	0.3952	-0.016	250.3	-0.028	0.095	0.012
Avg	0.010	0.360	0.049	0.040	0.004	1.8	0.001	0.004	0.005
Stddev	0.010	0.360	0.049	0.040	0.004	1.8	0.001	0.004	0.005
%RSD	36.89	84.50	43.02	1.019	28.40	.7008	4.567	4.310	43.25

#1	-0.022	0.015	0.144	.3968	-0.020	252.1	-0.029	0.099	0.017
#2	-0.040	0.580	0.137	.3981	-0.011	250.4	-0.027	0.091	0.007
#3	-0.022	0.682	0.057	.3906	-0.016	248.6	-0.027	0.095	0.012

Elem	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
IS Ref	0.004	129.4	5.908	69.46	2.326	-0.011	352.6	0.010	-0.021
Avg	0.003	.6	.197	.74	.005	.008	1.9	.005	0.022
Stddev	0.003	.6	.197	.74	.005	.008	1.9	.005	0.022
%RSD	80.83	.4988	3.326	1.060	.1962	66.44	.5302	46.47	102.6

#1	.0001	130.0	5.989	70.27	2.331	-0.005	353.9	.0006	-0.042
#2	.0004	129.4	6.051	69.28	2.323	-0.009	353.4	.0009	-0.024
#3	.0008	128.7	5.684	68.83	2.324	-0.020	350.5	.0015	.0002

Elem	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
IS Ref	0.019	-0.003	7.955	0.053	1.452	0.042	-0.041	-0.003	0.0876
Avg	0.021	0.047	0.033	0.028	0.08	0.004	0.035	0.002	0.001
Stddev	0.021	0.047	0.033	0.028	0.08	0.004	0.035	0.002	0.001
%RSD	110.8	1836.	.4181	52.21	.5205	9.224	84.13	54.20	.0589

#1	.0031	-0.039	7.927	.0080	1.454	.0038	-0.056	-0.003	.0876
#2	.0032	0.051	7.992	0.054	1.458	.0044	-0.002	-0.002	.0875
#3	-0.005	-0.019	7.946	.0025	1.443	.0045	-0.006	-0.005	.0876

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2250.5	4329.5	35941.	3158.5
Stddev	1.8	8.3	15.	22.5
%RSD	.07935	.19220	.04174	.71177

#1	2249.6	4334.1	35948.	3132.6
#2	2252.5			

Sample Name: MP30160-PS1 Acquired: 3/24/2016 12:09:56 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0524	2.824	.1260	.6927	.0545	258.4	.0517	.0623	.0557
Stddev	.0006	.008	.0002	.0030	.0004	1.2	.0002	.0002	.0002
%RSD	1.091	.2862	.1844	.4368	.6702	.4744	.3143	.3324	.3100
#1	.0523	2.833	.1258	.6958	.0549	259.8	.0518	.0625	.0556
#2	.0519	2.818	.1258	.6927	.0542	257.6	.0515	.0622	.0559
#3	.0530	2.820	.1262	.6897	.0543	257.8	.0518	.0621	.0556
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1138	131.4	17.09	76.52	2.377	1.060	F 368.3	1.058	.0516
Stddev	.0009	.5	.11	.43	.008	.0001	4.0	.0003	.0002
%RSD	.7649	.4028	.6195	.5630	.3253	.1311	1.079	.3191	.3384
#1	.1136	132.0	17.14	77.00	2.386	1.061	371.7	1.061	.0518
#2	.1132	131.2	17.17	76.16	2.370	1.058	369.3	1.054	.0516
#3	.1148	131.0	16.97	76.41	2.376	1.061	363.9	1.058	.0515
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1123	1.046	8.348	.0508	1.544	1.097	.0952	.0532	.3321
Stddev	.0005	.0018	.007	.0003	.008	.0003	.0019	.0002	.0009
%RSD	.4806	1.737	.0795	.6685	.5031	.2656	1.969	.2936	.2682
#1	.1118	1.067	8.345	.0505	1.548	1.097	.0945	.0531	.3324
#2	.1129	1.035	8.343	.0506	1.549	1.099	.0938	.0532	.3311
#3	.1123	1.036	8.356	.0511	1.535	1.094	.0974	.0534	.3328
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2001.1	4030.7	3389.3	3084.9					
Stddev	2.7	9.2	84.	11.9					
%RSD	.13663	.22853	.24729	.38572					
#1	2004.2	4027.9	33798.	3075.5					
#2	1999.0	4041.0	33954.	3080.9					
#3	2000.1	4023.3	33929.	3098.3					

7.1
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Sample Name: MP30160-S1 Acquired: 3/24/2016 12:14:22 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0519	30.91	2.122	2.621	.0546	285.3	.0500	.5156	.2145
Stddev	.0006	.03	.004	.004	.0002	1.3	.0002	.0015	.0010
%RSD	1.201	.0878	.1707	.1540	.4447	.4659	.4610	.2815	.4585
#1	.0522	30.89	2.126	2.618	.0544	286.8	.0503	.5162	.2149
#2	.0524	30.90	2.119	2.619	.0548	284.4	.0499	.5139	.2153
#3	.0512	30.94	2.121	2.625	.0548	284.7	.0499	.5166	.2134
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2757	159.5	35.09	102.8	2.860	5.139	F 390.9	5.086	.5054
Stddev	.0003	.3	.12	.3	.009	.0014	1.5	.0019	.0022
%RSD	.1064	.1933	.3448	.2665	.3282	.2776	.3719	.3644	.4359
#1	.2760	159.3	35.15	103.0	2.860	5.153	390.8	5.105	.5079
#2	.2756	159.3	35.17	102.5	2.850	5.125	398.6	5.068	.5043
#3	.2755	159.8	34.95	103.0	2.869	5.138	392.5	5.084	.5039
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5226	2.095	8.454	5.129	2.048	5.278	1.917	5.032	.5707
Stddev	.0045	.003	.022	.0012	.002	.0004	.005	.0007	.0020
%RSD	.8614	.1248	.2581	.2358	.0885	.0838	.2518	.1444	.3536
#1	.5215	2.098	8.474	5.124	2.049	5.275	1.922	5.024	.5729
#2	.5187	2.093	8.430	5.121	2.046	5.275	1.912	5.033	.5690
#3	.5275	2.095	8.457	5.143	2.048	5.283	1.918	5.039	.5701
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1953.9	3992.6	3328.3	3024.7					
Stddev	2.6	4.1	55.	1.8					
%RSD	.13219	.10191	.16454	.06073					
#1	1956.7	3992.4	3325.8	3023.3					
#2	1953.3	3996.8	3334.5	3026.8					
#3	1951.7	3988.7	3324.5	3024.1					

Sample Name: MP30160-S2 Acquired: 3/24/2016 12:18:58 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0518	30.56	2.090	2.610	.0537	286.0	.0494	5.102	2.118
Stddev	.0004	.25	.004	.021	.0003	2.9	.0002	.0010	.0015
%RSD	.7481	.8077	.2047	.8209	.6434	1.019	.3979	.1886	.7220
#1	.0522	30.28	2.093	2.586	.0534	283.4	.0496	5.111	2.124
#2	.0515	30.75	2.091	2.627	.0541	289.1	.0493	5.092	2.130
#3	.0517	30.64	2.085	2.616	.0535	285.5	.0493	5.104	2.101
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2723	159.5	34.73	102.7	2.867	5.091	F 390.8	5.007	4.998
Stddev	.0004	1.3	.28	.8	.016	.0009	3.4	.0010	.0012
%RSD	.1638	.8034	.8089	.7926	.5599	.1794	.8805	.2019	.2361
#1	.2724	158.1	34.44	101.8	2.879	5.101	387.1	5.016	.5009
#2	.2718	160.4	35.00	103.2	2.873	5.085	391.3	4.996	.4985
#3	.2727	160.2	34.75	103.2	2.849	5.087	393.9	5.009	.4999
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5165	2.069	8.517	5.071	2.049	5.224	1.890	4.948	5.639
Stddev	.0018	.004	.007	.0022	.015	.0025	.002	.0016	.0016
%RSD	.3432	.1951	.0791	.4362	.7091	.4787	.1015	.3334	.2835
#1	.5167	2.071	8.524	5.082	2.033	5.246	1.892	4.949	.5654
#2	.5181	2.065	8.510	5.046	2.061	5.228	1.888	4.963	.5622
#3	.5146	2.072	8.517	5.087	2.053	5.197	1.889	4.930	.5641
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1969.9	4036.5	3376.3	3054.1					
Stddev	3.5	7.2	24.3	25.5					
%RSD	.17749	.17909	.71903	.83378					
#1	1966.1	4028.4	3361.7	3081.0					
#2	1973.0	4042.2	3363.0	3030.4					
#3	1970.7	4039.0	3404.4	3050.8					

Sample Name: FA32283-1 Acquired: 3/24/2016 12:23:34 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0011	.0257	.0119	5.067	.0000	210.2	-.0012	.0061	.0007
Stddev	.0001	.0091	.0009	.0016	.000	.9	.0000	.0002	.0002
%RSD	8.453	35.42	7.343	.3153	324.7	4.050	1.705	3.810	25.94
#1	-.0010	.0153	.0117	5.086	.0000	211.2	-.0012	.0063	.0006
#2	-.0011	.0321	.0111	5.058	.0000	209.8	-.0012	.0062	.0009
#3	-.0012	.0297	.0128	5.058	.0000	209.7	-.0012	.0059	.0006
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0045	87.38	5.428	61.86	1.956	.0005	F 532.6	.0028	.0005
Stddev	.0002	.19	.042	.41	.006	.0001	2.4	.0001	.0002
%RSD	4.444	.2122	.7646	.6611	.3011	30.26	.4553	1.933	34.97
#1	.0047	87.59	5.381	62.22	1.962	.0006	533.6	.0028	.0007
#2	.0043	87.24	5.460	61.41	1.951	.0005	534.4	.0028	.0003
#3	.0045	87.31	5.443	61.94	1.953	.0003	529.9	.0027	.0006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In		

Sample Name: CCV Acquired: 3/24/2016 12:28:06 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2573	41.75	1.964	2.074	2.067	43.09	2.025	2.029	2.069
Stddev	.0008	.11	.006	.007	.006	.10	.004	.005	.005
%RSD	.2929	.2580	.3219	.3344	.2835	.2328	.2159	.2285	.2553
#1	.2571	41.87	1.961	2.081	2.070	43.10	2.022	2.026	2.071
#2	.2581	41.73	1.971	2.072	2.060	42.99	2.030	2.034	2.063
#3	.2566	41.66	1.959	2.068	2.071	43.19	2.023	2.026	2.073

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 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.002	40.86	40.75	43.03	2.059	2.016	40.54	2.003	2.008
Stddev	.007	.10	.12	.12	.006	.005	.12	.005	.002
%RSD	.3467	.2356	.2972	.2684	.2946	.2301	.2875	.2364	.0941
#1	1.999	40.91	40.81	43.10	2.062	2.012	40.64	2.002	2.008
#2	2.010	40.75	40.61	42.89	2.052	2.021	40.41	2.009	2.009
#3	1.997	40.91	40.82	43.08	2.062	2.016	40.55	1.999	2.005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.946	1.977	2.433	2.053	2.009	2.011	1.999	2.020	2.012
Stddev	.009	.002	.007	.005	.004	.004	.002	.003	.007
%RSD	.4873	.0771	.2814	.2369	.2220	.1732	.0802	.1626	.3340
#1	1.937	1.979	2.426	2.048	2.014	2.013	2.001	2.021	2.008
#2	1.956	1.976	2.440	2.058	2.005	2.007	1.998	2.016	2.020
#3	1.945	1.976	2.433	2.054	2.008	2.013	1.999	2.023	2.008

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/24/2016 12:28:06 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2154.1	4332.5	36387.	3130.3
Stddev	2.4	9.6	169.	8.7
%RSD	.11312	.22206	.46531	.27794
#1	2156.6	4341.8	36393.	3127.5
#2	2154.1	4322.6	36554.	3140.1
#3	2151.7	4333.0	36215.	3123.4

Sample Name: CCB Acquired: 3/24/2016 12:32:16 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	.0010	-0.0003	.0001	.0000	.0035	-0.0001	.0000	.0000
Stddev	.0001	.0058	.0004	.0002	.000	.0011	.0001	.0001	.000
%RSD	50.46	565.2	157.7	193.0	133.2	31.58	123.7	159.4	308.1
#1	-.0002	-.0057	-.0001	.0002	-.0001	.0047	.0000	.0000	-.0001
#2	-.0002	.0049	-.0001	.0002	-.0001	.0027	-.0001	.0001	-.0001
#3	-.0001	.0039	-.0007	-.0001	.0000	.0030	-.0001	.0000	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	.0161	.0269	-0.0193	-0.0001	.0007	.0665	-0.0003	.0003
Stddev	.0004	.0050	.0176	.0187	.0000	.0004	.0065	.0001	.0004
%RSD	188.8	30.84	65.59	96.65	23.05	48.52	7.555	23.12	143.9
#1	-.0003	.0217	.0385	-.0016	-.0001	.0011	.0851	-.0003	.0004
#2	.0002	.0137	.0355	-.0389	-.0001	.0007	.0808	-.0004	.0007
#3	-.0007	.0127	.0066	-.0175	-.0001	.0004	.0937	-.0004	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	-0.0007	.0027	.0008	-0.0001	.0004	.0012	.0001	-0.0002
Stddev	.0006	.0019	.0005	.0003	.0001	.0000	.0004	.0001	.0000
%RSD	205.0	266.0	18.43	33.07	75.71	11.26	31.37	88.32	7.810
#1	-.0009	-.0023	.0033	.0010	.0000	.0005	.0014	.0003	-.0002
#2	-.0002	-.0012	.0024	.0005	-.0001	.0004	.0014	.0000	-.0002
#3	.0003	.0014	.0024	.0009	-.0001	.0004	.0008	.0001	-.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/24/2016 12:32:16 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2465.1	4592.0	38575.	3268.4
Stddev	2.6	5.1	127.	18.5
%RSD	.10383	.11124	.32991	.56582
#1	2464.7	4594.0	38490.	3264.5
#2	2467.8	4595.8	38721.	3252.1
#3	2462.8	4586.2	38513.	3288.5

Sample Name: FA32283-2 Acquired: 3/24/2016 12:36:50 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.009	0.0292	0.0362	0.3454	-0.0003	176.8	-0.0015	0.027	0.009
Stddev	.0004	.0104	.0005	.0017	.0001	1.3	.0001	.0001	.0003
%RSD	38.38	35.55	1.314	4.924	20.08	.7333	9.664	2.396	36.82
#1	-0.013	.0412	.0356	.3473	-0.002	177.7	-0.016	.0028	.006
#2	-0.007	.0233	.0364	.3450	-0.003	177.5	-0.015	.0027	.0009
#3	-0.007	.0232	.0365	.3440	-0.003	175.3	-0.013	.0027	.0013
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.017	120.9	4.463	53.71	1.735	0.018	F 191.7	0.025	0.004
Stddev	.0001	.7	.032	.73	.010	.0002	1.9	.0001	.0003
%RSD	7.832	.6157	.7212	1.357	.5789	8.546	1.002	2.255	62.49
#1	.0018	121.4	4.460	54.23	1.734	.0019	189.8	.0024	.0002
#2	.0017	121.2	4.497	54.02	1.746	.0020	193.7	.0024	.0007
#3	.0015	120.0	4.433	52.87	1.726	.0017	191.6	.0025	.0003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.000	-0.013	9.175	0.013	1.078	0.019	-0.028	0.012	0.1023
Stddev	.001	.0025	.019	.0006	.001	.0002	.0005	.0002	.0004
%RSD	1874.	192.3	2.097	44.49	.0859	9.054	17.75	16.57	.4399
#1	-0.005	-0.030	9.169	.0006	1.079	.0019	-0.025	.0014	.1019
#2	-0.004	.0016	9.160	.0015	1.077	.0021	-0.025	.0012	.1021
#3	-0.008	-0.026	9.197	.0016	1.078	.0018	-0.034	.0010	.1028
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2113.5	4144.2	34642.	3118.6					
Stddev	3.4	8.8	113.	12.0					
%RSD	.16200	.21238	.32751	.38480					
#1	2117.4	4152.3	34771.	3107.2					
#2	2111.1	4145.5	34556.	3117.4					
#3	2112.1	4134.9	34600.	3131.2					

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Sample Name: FA32283-3 Acquired: 3/24/2016 12:41:22 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.010	0.1527	0.0172	0.4403	-0.0002	207.6	-0.0013	0.022	0.009
Stddev	.0004	.0073	.0007	.0021	.0001	.6	.0001	.0001	.0001
%RSD	46.11	4.785	4.120	4.776	28.37	2.938	8.698	4.583	10.25
#1	-0.005	.1443	.0170	.4386	-0.003	206.9	-0.012	.0023	.0008
#2	-0.014	.1567	.0167	.4397	-0.002	208.1	-0.014	.0021	.0009
#3	-0.010	.1572	.0180	.4426	-0.002	207.9	-0.013	.0023	.0009
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.012	100.6	6.164	62.87	1.849	0.005	F 164.5	0.020	-0.006
Stddev	.0001	.4	.033	.21	.003	.0003	2.2	.0001	.0005
%RSD	12.08	.4109	.5339	.3307	.1824	47.11	1.354	4.082	87.65
#1	.0010	100.2	6.175	62.66	1.852	.0008	161.9	.0020	-0.010
#2	.0013	101.0	6.127	62.87	1.846	.0005	166.1	.0021	-0.000
#3	.0012	100.7	6.190	63.08	1.850	.0003	165.4	.0019	-0.009
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0005	-0.008	10.51	0.009	1.250	0.057	-0.021	0.010	0.1104
Stddev	.0009	.0014	.02	.0000	.004	.0003	.0007	.0001	.0005
%RSD	175.7	182.0	.1714	2.977	.3598	5.949	34.34	13.08	.4417
#1	.0005	-0.017	10.52	.0008	1.246	.0060	-0.029	.0008	.1099
#2	-0.007	.0008	10.48	.0009	1.255	.0053	-0.017	.0010	.1109
#3	-0.014	-0.014	10.52	.0009	1.250	.0058	-0.016	.0011	.1104
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2092.2	4116.7	34511.	3074.2					
Stddev	3.2	4.1	96.	17.3					
%RSD	.15321	.10010	.27723	.56315					
#1	2094.0	4116.5	34409.	3091.7					
#2	2088.5	4120.9	34523.	3057.0					
#3	2094.0	4112.7	34600.	3073.8					

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7.1
7

Sample Name: CCV Acquired: 3/24/2016 12:47:06 Type: QC
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2564	41.52	1.947	2.065	2.046	42.84	2.009	2.017	2.064
Stddev	.0003	.13	.005	.006	.006	.19	.004	.000	.004
%RSD	.1353	.3069	.2789	.3043	.3083	.4398	.2209	.0166	.1779
#1	.2560	41.42	1.944	2.058	2.043	42.66	2.014	2.016	2.064
#2	.2567	41.47	1.953	2.065	2.043	42.81	2.008	2.017	2.060
#3	.2566	41.66	1.944	2.071	2.054	43.03	2.005	2.017	2.067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.998	40.54	40.61	42.73	2.048	2.007	40.44	1.983	1.990
Stddev	.010	.13	.18	.21	.005	.002	.22	.007	.003
%RSD	.4799	.3165	.4546	.5028	.2382	.0794	.5484	.3562	.1630
#1	1.999	40.42	40.45	42.60	2.053	2.005	40.26	1.990	1.994
#2	2.007	40.52	40.56	42.62	2.044	2.007	40.37	1.982	1.989
#3	1.988	40.67	40.81	42.98	2.048	2.009	40.69	1.976	1.988
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.930	1.961	2.408	2.039	1.992	2.000	1.981	2.003	1.993
Stddev	.005	.005	.001	.006	.007	.005	.004	.004	.011
%RSD	.2656	.2397	.0588	.3146	.3765	.2471	.2015	.2058	.5341
#1	1.927	1.963	2.407	2.046	1.988	2.006	1.977	2.004	2.005
#2	1.927	1.964	2.407	2.039	1.987	1.996	1.981	1.998	1.991
#3	1.936	1.955	2.410	2.033	2.001	1.999	1.985	2.006	1.984
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 3/24/2016 12:47:06 Type: QC
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2164.2	4362.0	36520.	3162.3					
Stddev	2.2	.8	47.	19.6					
%RSD	.10282	.01741	.12741	.61920					
#1	2162.1	4362.7	36494.	3182.9					
#2	2163.9	4361.9	36574.	3160.1					
#3	2166.5	4361.2	36493.	3143.9					

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Sample Name: CCB Acquired: 3/24/2016 12:53:20 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	-0.0035	-0.002	0.001	-0.001	-0.001	-0.001	-0.001	0.002
Stddev	0.004	0.0083	0.011	0.001	0.001	0.0058	0.000	0.000	0.001
%RSD	144.3	239.1	700.4	50.94	79.70	6419.	22.97	54.61	77.23
#1	-0.005	-0.014	-0.003	0.001	0.000	0.038	-0.001	0.000	0.000
#2	-0.004	-0.126	0.010	0.002	-0.003	-0.067	-0.001	-0.001	0.002
#3	0.002	0.0036	-0.012	0.002	-0.001	0.026	-0.001	-0.001	0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	0.0064	0.255	0.034	-0.001	0.002	0.0536	-0.003	0.002
Stddev	0.003	0.0012	0.128	0.146	0.000	0.001	0.029	0.001	0.002
%RSD	82.75	18.93	50.34	426.7	16.56	83.79	5.471	48.70	130.5
#1	-0.001	0.078	0.211	0.048	-0.001	0.002	0.0526	-0.003	0.003
#2	-0.002	0.0058	0.399	0.173	-0.001	0.003	0.059	-0.004	-0.001
#3	-0.006	0.0056	0.154	-0.118	-0.001	0.000	0.0513	-0.001	0.004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.002	0.003	0.027	0.004	-0.002	0.001	0.006	-0.001	-0.002
Stddev	0.005	0.005	0.003	0.003	0.001	0.001	0.002	0.001	0.000
%RSD	314.3	145.0	11.47	85.05	62.36	116.7	28.04	134.0	19.39
#1	0.002	0.000	0.026	0.001	0.000	0.001	0.008	0.000	-0.002
#2	-0.003	0.001	0.031	0.007	-0.002	0.002	0.005	-0.003	-0.003
#3	0.006	0.008	0.025	0.003	-0.002	0.000	0.006	0.000	-0.002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/24/2016 12:53:20 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2457.5	4572.1	38204.	3171.8
Stddev	1.5	5.1	160.	18.8
%RSD	0.06234	0.11240	0.41839	0.59336
#1	2456.2	4566.2	38245.	3175.5
#2	2459.2	4575.6	38339.	3188.5
#3	2457.2	4574.6	38028.	3151.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	0.0064	0.255	0.034	-0.001	0.002	0.0536	-0.003	0.002
Stddev	0.003	0.0012	0.128	0.146	0.000	0.001	0.029	0.001	0.002
%RSD	82.75	18.93	50.34	426.7	16.56	83.79	5.471	48.70	130.5
#1	-0.001	0.078	0.211	0.048	-0.001	0.002	0.0526	-0.003	0.003
#2	-0.002	0.0058	0.399	0.173	-0.001	0.003	0.059	-0.004	-0.001
#3	-0.006	0.0056	0.154	-0.118	-0.001	0.000	0.0513	-0.001	0.004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.002	0.003	0.027	0.004	-0.002	0.001	0.006	-0.001	-0.002
Stddev	0.005	0.005	0.003	0.003	0.001	0.001	0.002	0.001	0.000
%RSD	314.3	145.0	11.47	85.05	62.36	116.7	28.04	134.0	19.39
#1	0.002	0.000	0.026	0.001	0.000	0.001	0.008	0.000	-0.002
#2	-0.003	0.001	0.031	0.007	-0.002	0.002	0.005	-0.003	-0.003
#3	0.006	0.008	0.025	0.003	-0.002	0.000	0.006	0.000	-0.002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: FA32283-4 Acquired: 3/24/2016 12:56:56 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.007	0.027	0.194	0.2982	-0.001	130.5	-0.010	0.039	0.010
Stddev	0.001	0.042	0.007	0.004	0.001	0.6	0.001	0.001	0.002
%RSD	19.12	5.127	3.426	0.1427	78.50	4914.	0.001	1.362	20.60
#1	-0.007	0.0870	0.186	0.2979	-0.001	131.2	-0.011	0.039	0.010
#2	-0.008	0.0827	0.198	0.2987	-0.001	130.3	-0.010	0.038	0.008
#3	-0.006	0.0785	0.197	0.2980	-0.002	129.9	-0.010	0.039	0.012

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.011	59.55	7.096	36.90	1.275	0.007	F 139.2	0.026	0.000
Stddev	0.002	0.21	0.039	0.31	0.07	0.001	4	0.001	0.01
%RSD	17.49	35.49	0.5436	0.8369	5.434	11.06	2.958	3.844	1697.
#1	0.012	59.79	7.113	37.24	1.272	0.008	139.6	0.025	-0.004
#2	0.013	59.48	7.122	36.83	1.269	0.007	139.0	0.027	0.007
#3	0.009	59.39	7.051	36.64	1.283	0.007	138.9	0.027	-0.005

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.001	-0.009	9.257	0.002	0.8365	0.040	-0.021	0.008	0.195
Stddev	0.006	0.016	0.07	0.001	0.028	0.005	0.007	0.001	0.001
%RSD	1138.	187.5	0.774	47.98	3.343	11.93	32.84	9.164	4.031
#1	0.006	0.010	9.260	0.001	0.8393	0.040	-0.019	0.008	0.196
#2	0.002	-0.020	9.249	0.003	0.8337	0.035	-0.029	0.008	0.195
#3	-0.006	-0.015	9.263	0.002	0.8363	0.045	-0.015	0.007	0.195

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2154.4	4241.6	35338.	3101.1
Stddev	1.4	1.7	228.	23.6
%RSD	0.06405	0.03893	0.64383	0.76132
#1	2155.7	4240.0	35562.	3077.1
#2	2152.9	4243.3	35345.	3102.1
#3	2154.6	4241.5	35107.	3124.3

Sample Name: FA32283-6 Acquired: 3/24/2016 13:01:21 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	1.724	0.092	0.3831	-0.003	288.1	-0.010	0.171	0.020
Stddev	0.002	0.18	0.010	0.010	0.000	2.9	0.001	0.003	0.003
%RSD	34.46	1.061	11.28	2.590	14.58	9940	7.753	1.587	14.83
#1	-0.009	1.703	0.085	0.3819	-0.003	286.7	-0.010	0.173	0.024
#2	-0.005	1.736	0.104	0.3834	-0.002	291.4	-0.010	0.168	0.018
#3	-0.005	1.732	0.088	0.3838	-0.003	286.1	-0.009	0.172	0.019

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.025	52.91	9.863	35.56	1.090	0.108	F 323.8	0.082	0.014
Stddev	0.001	0.13	0.031	0.12	0.005	0.000	4.8	0.003	0.004
%RSD	4.218	0.2459	0.3109	0.3294	0.4348	2951	1.487	3.066	24.96
#1	0.024	52.87	9.854	35.46	1.096	0.108	320.1	0.081	0.018
#2	0.026	53.06	9.837	35.69	1.088	0.109	329.2	0.085	0.011
#3	0.024	52.81	9.897	35.54	1.088	0.108	322.1	0.081	0.015

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.000	0.011	8.466	0.006	1.516	0.061	-0.011	0.034	0.075
Stddev	0.015	0.024	0.020	0.002	0.01	0.032	0.006	0.002	0.001
%RSD	52770.	211.3	0.						

Sample Name: FA32283-8 Acquired: 3/24/2016 13:06:01 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Table with 10 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 10 rows of data for elements Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Includes sub-sections for #1, #2, #3 and Int. Std.

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Sample Name: FA32437-1 Acquired: 3/24/2016 13:14:53 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Table with 10 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 10 rows of data for elements Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Includes sub-sections for #1, #2, #3 and Int. Std.

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Sample Name: FA32426-1 Acquired: 3/24/2016 13:10:27 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Table with 10 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 10 rows of data for elements Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Includes sub-sections for #1, #2, #3 and Int. Std.

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Sample Name: FA32437-2 Acquired: 3/24/2016 13:19:22 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Table with 10 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 10 rows of data for elements Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Includes sub-sections for #1, #2, #3 and Int. Std.

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7.1 7

Sample Name: FA32437-3 Acquired: 3/24/2016 13:23:51 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Aq3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	0.276	-0.012	0.020	-0.003	97.39	-0.002	-0.003	0.015
Stddev	.0004	.0106	.0008	.0005	.0000	.31	.0000	.0000	.0002
%RSD	60.91	3.873	71.32	2.081	5.136	.3203	4.828	16.21	15.21
#1	-0.009	0.2846	-0.013	0.0258	-0.003	97.24	-0.002	-0.003	0.018
#2	-0.002	0.2651	-0.019	0.0266	-0.003	97.75	-0.002	-0.004	0.014
#3	-0.006	0.2680	-0.003	0.0255	-0.003	97.18	-0.002	-0.003	0.013
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.000	0.5349	1.573	2.581	0.016	-0.002	17.65	-0.005	0.034
Stddev	.0000	.0056	.021	.036	.0000	.0001	.03	.0001	.0005
%RSD	85.39	1.044	1.352	1.386	.3535	40.96	.1874	18.23	15.53
#1	.0000	.5294	1.550	2.540	.0116	-0.003	17.68	-0.004	.0029
#2	.0001	.5406	1.593	2.605	.0116	-0.001	17.63	-0.006	.0040
#3	.0000	.5347	1.575	2.597	.0115	-0.002	17.62	-0.004	.0034
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.008	0.002	5.028	0.001	0.1576	0.089	-0.008	0.013	0.098
Stddev	.0006	.0011	.016	.0001	.0005	.0005	.0005	.0000	.0000
%RSD	79.25	646.7	.3079	79.15	.2867	5.139	63.33	3.134	.3849
#1	-0.001	-0.009	5.016	.0001	.1579	.0091	-0.003	.0013	.0097
#2	-0.013	.0012	5.046	.0000	.1570	.0091	-0.007	.0012	.0097
#3	-0.008	.0001	5.024	.0002	.1577	.0083	-0.013	.0013	.0098
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2318.8	4465.3	37169.	3121.8					
Stddev	6.9	10.8	159.	3.3					
%RSD	.29842	.24205	.42780	.10557					
#1	2321.8	4476.9	37158.	3123.5					
#2	2323.6	4463.6	37017.	3118.0					
#3	2310.8	4455.5	37334.	3123.8					

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Sample Name: FA32460-4 Acquired: 3/24/2016 13:28:22 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Aq3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	2.234	-0.002	0.066	-0.002	5.607	-0.003	0.188	0.048
Stddev	.0003	.005	.0006	.0012	.0000	.064	.0000	.0002	.0001
%RSD	43.30	.2294	290.6	1.838	20.95	1.139	4.467	.8903	1.428
#1	-0.005	2.238	.0004	.0676	-0.002	5.671	-0.003	.0189	.0047
#2	-0.004	2.235	-0.002	.0652	-0.002	5.544	-0.003	.0186	.0048
#3	-0.009	2.228	-0.009	.0669	-0.002	5.605	-0.003	.0188	.0048
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0024	6.433	2.101	9.366	0.031	-0.001	11.41	0.082	0.018
Stddev	.0001	.087	.025	.0137	.0002	.0000	.14	.0001	.0003
%RSD	5.999	1.355	1.182	1.467	.1657	5.584	1.223	.7365	14.15
#1	.0023	6.525	2.077	9.255	.0930	-0.001	11.55	.0082	.0021
#2	.0022	6.352	2.099	9.519	.0930	-0.001	11.27	.0081	.0018
#3	.0025	6.422	2.126	9.324	.0933	-0.001	11.40	.0082	.0016
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.005	0.004	5.813	0.005	0.0213	0.186	-0.011	0.097	0.149
Stddev	.0004	.0009	.014	.0002	.0005	.0000	.0007	.0001	.0001
%RSD	72.43	198.2	.2338	35.49	2.156	.1355	70.44	.9313	.4425
#1	-0.002	.0009	5.800	.0004	.0217	.0187	-0.002	.0098	.0150
#2	-0.004	.0010	5.827	.0004	.0208	.0187	-0.015	.0096	.0150
#3	-0.009	-0.006	5.812	.0007	.0212	.0186	-0.015	.0096	.0148
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2437.8	4675.0	39095.	3242.7					
Stddev	2.6	5.4	127.	21.3					
%RSD	.10516	.11524	.32436	.65599					
#1	2436.4	4679.5	39139.	3225.1					
#2	2440.7	4669.0	38952.	3266.4					
#3	2436.2	4676.3	39194.	3236.6					

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Sample Name: CCV Acquired: 3/24/2016 13:32:47 Type: QC
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Aq3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.588	42.34	1.887	2.139	2.047	44.52	1.970	2.002	2.058
Stddev	.0004	.11	.004	.004	.007	.12	.004	.002	.006
%RSD	.1694	.2701	.2391	.1879	.3681	.2751	.1799	.1223	.2971
#1	.2583	42.45	1.891	2.138	2.050	44.59	1.966	1.999	2.062
#2	.2589	42.22	1.888	2.135	2.038	44.38	1.972	2.004	2.051
#3	.2592	42.36	1.882	2.143	2.052	44.59	1.972	2.003	2.062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value						40.00			
Range						10.00%			
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.014	40.88	40.46	44.04	2.003	1.989	40.56	1.925	1.962
Stddev	.002	.09	.15	.13	.008	.004	.10	.002	.006
%RSD	.0964	.2149	.3734	.3037	.3821	.2043	.2552	.0819	.3242
#1	2.015	40.91	40.61	44.16	2.009	1.986	40.48	1.925	1.976
#2	2.015	40.78	40.31	43.90	1.994	1.988	40.52	1.927	1.989
#3	2.011	40.94	40.44	44.05	2.005	1.994	40.67	1.924	1.983
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				40.00					
Range				10.00%					
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.878	1.927	2.356	2.043	1.971	1.955	1.965	1.969	1.918
Stddev	.004	.005	.004	.002	.002	.003	.008	.006	.006
%RSD	.2259	.2603	.1536	.0881	.0950	.1753	.3916	.2895	.3316
#1	1.881	1.926	2.359	2.043	1.971	1.958	1.957	1.975	1.911
#2	1.873	1.922	2.352	2.042	1.969	1.951	1.972	1.964	1.924
#3	1.878	1.932	2.356	2.045	1.973	1.957	1.966	1.968	1.919
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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Sample Name: CCV Acquired: 3/24/2016 13:32:47 Type: QC
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2152.8	4434.1	36520.	3107.6
Stddev	9.3	2.4	12.	8.8
%RSD	.43065	.05525	.03367	.28367
#1	2161.6	4436.2	36523.	3110.7
#2	2143.1	4431.4	36531.	3114.4
#3	2153.5	4434.8	36507.	3097.6

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Sample Name: CCB Acquired: 3/24/2016 13:52:48 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	-0.017	-0.002	.001	.000	-0.014	-0.001	-0.001	.003
Stddev	.0003	.0048	.0003	.0003	.000	.0035	.0000	.0001	.0001
%RSD	129.0	279.6	158.0	219.6	103.2	255.3	6.031	106.2	35.98
#1	.0001	.0006	.0001	.0003	.0000	-.0054	-.0001	.0000	.0002
#2	-.0004	-.0072	-.0004	-.0002	.0000	.0007	-.0001	-.0001	.0002
#3	-.0003	.0015	-.0003	.0002	-.0001	.0006	-.0001	-.0002	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.008	.0025	.0519	-0.034	-0.001	.0001	.0382	-0.004	.0004
Stddev	.0001	.0014	.0069	.0167	.0000	.0001	.0022	.0001	.0002
%RSD	16.61	56.08	13.26	492.5	43.53	109.5	5.662	20.65	43.51
#1	-.0009	.0032	.0446	-.0200	-.0001	.0002	.0381	-.0003	.0002
#2	-.0009	.0035	.0583	-.0036	-.0001	.0000	.0405	-.0004	.0005
#3	-.0007	.0009	.0528	.0135	-.0001	.0000	.0361	-.0004	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.004	.0022	.0002	-0.002	.0001	.0010	-0.002	-0.002
Stddev	.0006	.0006	.0001	.0001	.0001	.0001	.0008	.0001	.0001
%RSD	777.1	157.4	2.956	41.65	61.22	58.42	78.84	70.51	31.81
#1	.0005	-.0010	.0021	.0003	-.0003	.0000	.0018	.0000	-.0003
#2	-.0007	.0001	.0022	.0003	-.0001	.0002	.0002	-.0003	-.0003
#3	.0000	-.0003	.0022	.0001	-.0001	.0001	.0010	-.0002	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/24/2016 13:52:48 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2498.5	4750.7	39096.	3211.2
Stddev	5.2	3.4	209.	24.3
%RSD	.20987	.07160	.53531	.75610
#1	2493.2	4751.9	38919.	3238.1
#2	2503.7	4753.4	39327.	3204.7
#3	2498.4	4746.9	39041.	3190.9

Sample Name: ICV Acquired: 3/24/2016 14:20:44 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2452	41.47	1.986	2.049	2.048	42.74	2.026	2.027	2.028
Stddev	.0002	.09	.004	.003	.009	.18	.004	.003	.006
%RSD	.0768	.2131	.1760	.1593	.4244	.4137	.1724	.1305	.2820
#1	.2452	41.46	1.988	2.052	2.042	42.74	2.027	2.027	2.023
#2	.2450	41.56	1.982	2.049	2.058	42.91	2.022	2.024	2.029
#3	.2454	41.39	1.988	2.046	2.045	42.56	2.029	2.029	2.034

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.966	42.02	42.32	43.04	2.101	1.907	42.52	2.042	2.011
Stddev	.007	.14	.05	.12	.006	.006	.11	.004	.005
%RSD	.3315	.3393	.1246	.2745	.3002	.2977	.2617	.1909	.2341
#1	1.992	41.98	42.38	42.94	2.097	1.909	42.47	2.041	2.006
#2	1.979	42.18	42.28	43.17	2.099	1.901	42.65	2.038	2.015
#3	1.989	41.91	42.30	43.00	2.109	1.911	42.45	2.046	2.013

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.002	2.021	.1373	2.026	1.926	1.965	2.067	1.898	2.058
Stddev	.005	.007	.0007	.003	.004	.006	.007	.004	.002
%RSD	.2412	.3288	.4910	.1636	.2244	.3038	.3355	.1866	.1045
#1	2.005	2.019	.1380	2.025	1.922	1.964	2.060	1.894	2.057
#2	1.997	2.015	.1367	2.023	1.930	1.960	2.074	1.897	2.056
#3	2.005	2.028	.1372	2.030	1.928	1.972	2.066	1.901	2.060

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 3/24/2016 14:20:44 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2152.1	4422.5	36368.	3071.3
Stddev	6.4	9.9	1027.	1.5
%RSD	.29606	.22415	.10227	.04869
#1	2159.2	4429.9	36334.	3070.0
#2	2146.9	4426.4	36408.	3070.9
#3	2150.2	4411.2	36362.	3072.9

Sample Name: CCV Acquired: 3/24/2016 14:26:11 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2560	40.39	2.027	2.000	2.033	40.57	2.058	2.047	2.061
Stddev	.0010	.08	.032	.011	.004	.13	.033	.035	.008
%RSD	.4099	.2102	1.566	.5357	.1954	.3240	1.593	1.684	.4000
#1	.2554	40.39	2.064	2.008	2.032	40.53	2.095	2.087	2.067
#2	.2555	40.48	2.010	2.004	2.037	40.72	2.041	2.026	2.052
#3	.2572	40.31	2.007	1.988	2.029	40.46	2.036	2.028	2.064

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.012	39.63	40.54	40.60	2.090	2.038	40.40	2.055	2.022
Stddev	.001	.09	.20	.07	.008	.032	.20	.033	.030
%RSD	.0447	.2260	.4835	.1664	.3615	1.569	.4883	1.625	1.501
#1	2.013	39.63	40.67	40.63	2.095	2.075	40.45	2.094	2.057
#2	2.011	39.71	40.63	40.85	2.082	2.020	40.56	2.036	2.006
#3	2.012	39.54	40.32	40.52	2.095	2.019	40.18	2.037	2.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.020	2.021	2.502	2.054	2.021	2.059	2.030	2.038	2.070
Stddev	.040	.036	.041	.035	.007	.006	.033	.005	.036
%RSD	1.959	1.802	1.655	1.712	.3349	.2930	1.628	.2486	1.726
#1	2.065	2.063	2.549	2.095	2.023	2.064	2.068	2.041	2.110
#2	1.991	1.997	2.471	2.035	2.027	2.052	2.011	2.032	2.056
#3	2.003	2.002	2.485	2.033	2.014	2.062	2.011	2.041	2.043

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/24/2016 14:26:11 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2138.3	4399.2	36448.	3047.9
Stddev	31.1	66.6	54.	6.7
%RSD	1.4567	1.5139	.14755	.21867
#1	2102.4	4322.5	36405.	3044.7
#2	2158.1	4442.9	36509.	3043.5
#3	2154.4	4432.1	36432.	3055.6

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Sample Name: CCB Acquired: 3/24/2016 14:32:02 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0093	.0005	.0008	.0003	.0072	.0001	.0002	.0004
Stddev	.0002	.0041	.0006	.0005	.0000	.0016	.0000	.0001	.0002
%RSD	415.5	44.57	135.9	58.79	6.565	22.23	37.04	72.56	39.19
#1	-.0002	.0139	.0006	.0003	.0003	.0065	.0001	.0003	.0002
#2	-.0001	.0080	.0010	.0008	.0003	.0090	.0001	.0002	.0005
#3	.0002	.0059	-.0002	.0012	.0003	.0060	.0001	.0000	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0135	.0113	.0014	.0003	F .0012	.0135	.0002	-.0001
Stddev	.0001	.0014	.0195	.0211	.0000	.0003	.0107	.0001	.0001
%RSD	59.78	10.38	172.7	1513.	14.40	21.74	79.24	59.18	193.7
#1	.0000	.0119	.0025	-.0150	.0003	.0014	.0250	.0001	-.0002
#2	-.0001	.0143	-.0023	-.0061	.0003	.0012	.0116	.0002	.0000
#3	-.0001	.0144	.0336	.0253	.0002	.0009	.0039	.0003	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	F .0021	-.0017	.0005	.0004	.0007	.0012	.0005	-.0011
Stddev	.0004	.0011	.0001	.0004	.0001	.0001	.0003	.0001	.0000
%RSD	138.3	51.73	7.209	75.47	37.87	10.89	22.76	22.70	.7315
#1	.0000	.0030	-.0017	.0009	.0005	.0007	.0015	.0004	-.0011
#2	-.0002	.0009	-.0018	.0005	.0002	.0007	.0010	.0006	-.0010
#3	-.0008	.0023	-.0016	.0001	.0004	.0006	.0010	.0004	-.0011

Check ? Chk Pass Chk Fail None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/24/2016 14:32:02 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2472.7	4699.2	38606.	3132.0
Stddev	4.0	11.5	176.	33.6
%RSD	.16259	.24431	.45517	1.0720
#1	2474.7	4710.4	38588.	3097.1
#2	2475.4	4699.6	38789.	3134.8
#3	2468.1	4687.5	38439.	3164.1

Sample Name: FA32460-5 Acquired: 3/24/2016 14:36:17 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	3.449	.0004	.0687	.0002	6.496	.0000	.0196	.0084
Stddev	.0003	.029	.0012	.0001	.0000	.039	.000	.0001	.0003
%RSD	261.0	8554	271.4	.0741	20.37	.6064	113.5	.4142	4.134
#1	.0001	3.467	-.0008	.0687	.0003	6.541	-.0001	.0195	.0087
#2	.0000	3.415	.0016	.0688	.0002	6.467	.0000	.0197	.0084
#3	-.0004	3.465	.0005	.0687	.0002	6.480	-.0001	.0196	.0081
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0055	7.170	2.287	.9672	.1042	.0010	11.05	.0094	.0025
Stddev	.0000	.032	.053	.0441	.0002	.0000	.04	.0001	.0005
%RSD	.8990	.4517	2.336	4.556	.1622	2.772	.3766	.7147	18.20
#1	.0055	7.189	2.292	1.002	.1044	.0011	11.01	.0095	.0024
#2	.0055	7.133	2.232	.9823	.1041	.0010	11.05	.0094	.0030
#3	.0056	7.188	2.338	.9176	.1041	.0010	11.10	.0094	.0021
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.002	.0024	7.060	.0010	.0251	.0327	-0.014	.0162	.0190
Stddev	.0005	.0010	.008	.0003	.0001	.0001	.0006	.0002	.0002
%RSD	238.5	43.08	.1132	30.54	.3126	.3661	42.59	.9629	1.001
#1	-.0004	.0022	7.063	.0013	.0252	.0328	-.0019	.0164	.0189
#2	-.0005	.0036	7.051	.0007	.0252	.0327	-.0008	.0161	.0189
#3	.0004	.0015	7.066	.0009	.0250	.0326	-.0015	.0162	.0193
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2454.5	4749.3	3965.1	3240.1					
Stddev	9.6	9.2	141.	18.0					
%RSD	.39018	.19307	.35678	.55493					
#1	2465.2	4759.2	39765.	3230.1					
#2	2446.7	4741.2	39695.	3260.9					
#3	2451.5	4747.4	39493.	3229.3					

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Sample Name: FA32460-6 Acquired: 3/24/2016 14:40:43 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	.0258	-.0005	.1244	-.0001	30.17	-.0001	-.0001	.0002
Stddev	.0003	.0023	.0012	.0003	.0000	.09	.0000	.0000	.0002
%RSD	147.3	9.078	250.1	.2514	73.89	.2828	16.94	20.56	73.46
#1	.0005	.0250	-.0018	.1241	-.0001	30.08	-.0001	-.0002	.0000
#2	.0001	.0240	-.0001	.1243	.0000	30.19	-.0001	-.0001	.0003
#3	.0000	.0285	.0005	.1247	-.0001	30.25	-.0001	-.0002	.0004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0020	.0069	.8206	7.250	.0218	.0075	9.287	.0009	.0001
Stddev	.0002	.0027	.0163	.016	.0001	.0001	.060	.0002	.0003
%RSD	7.449	38.88	1.980	.2220	.3645	.8427	.6416	20.92	451.1
#1	.0018	.0046	.8207	7.232	.0219	.0076	9.220	.0011	.0000
#2	.0021	.0099	.8368	7.260	.0218	.0075	9.335	.0007	-.0002
#3	.0021	.0063	.8043	7.259	.0219	.0075	9.305	.0009	.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0005	.0019	3.347	.0004	.4914	.0007	.0000	.0046	.0188
Stddev	.0004	.0008	.004	.0001	.0019	.0000	.0004	.0002	.0001
%RSD	78.79	41.92	.1265	18.20	.3767	5.204	971.8	4.266	.7424
#1	.0006	.0011	3.342	.0005	.4898	.0008	.0005	.0047	.0188
#2	.0009	.0026	3.350	.0004	.4934	.0007	-.0002	.0048	.0186
#3	.0001	.0019	3.349	.0004	.4910	.0008	-.0002	.0044	.0189
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2405.5	4597.7	38029.	3112.6					
Stddev	2.6	11.6	107.	20.1					
%RSD	.10992	.25177	.28098	.64647					
#1	2408.2	4610.3	37922.	3126.9					
#2	2402.9	4587.5	38135.	3121.3					
#3	2405.5	4595.3	38030.	3089.6					

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Sample Name: FA32302-2 Acquired: 3/24/2016 14:45:13 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0007	105.6	.0094	1.906	.0060	201.1	-.0001	-.1978	.1255
Stddev	.0003	.5	.0017	.011	.0001	.8	.0001	.0001	.0010
%RSD	42.05	4488	17.75	.5825	1.391	.3752	173.8	.0293	.7765
#1	.0007	105.3	.0079	1.896	.0060	200.6	-.0001	-.1978	.1266
#2	.0009	106.2	.0112	1.918	.0061	202.0	-.0002	-.1978	.1247
#3	.0004	105.5	.0091	1.903	.0059	200.7	.0000	-.1977	.1252
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0799	114.1	9.932	148.3	F 12.47	.0009	F 239.0	.2043	.0699
Stddev	.0006	.3	.014	.3	.07	.0000	.4	.0001	.0010
%RSD	.7705	.2899	.1433	.2004	.5430	2.085	.1743	.0402	1.374
#1	.0797	113.8	9.921	148.1	12.55	.0008	239.3	.2043	.0705
#2	.0806	114.5	9.948	148.7	12.46	.0009	238.5	.2042	.0705
#3	.0794	114.0	9.927	148.2	12.41	.0009	239.1	.2043	.0688
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.002	.0032	60.16	.0009	.7657	.3767	-.0003	.1728	.3608
Stddev	.0010	.0019	.06	.0003	.0021	.0002	.0018	.0003	.0006
%RSD	515.3	61.09	.0971	26.84	.2752	.0454	676.2	.1889	.1590
#1	-.0001	.0012	60.18	.0009	.7658	.3766	-.0019	.1731	.3610
#2	-.0008	.0032	60.21	.0007	.7691	.3769	-.0004	.1725	.3602
#3	-.0013	.0051	60.10	.0012	.7652	.3767	.0016	.1728	.3612
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1974.0	5042.4	41585.	3575.4					
Stddev	1.9	4.3	116.	19.1					
%RSD	.09830	.08527	.27940	.53419					
#1	1972.0	5040.7	41451.	3587.4					
#2	1975.8	5039.3	41638.	3553.4					
#3	1974.3	5047.3	41664.	3585.5					

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Sample Name: FA32306-37 Acquired: 3/24/2016 14:49:49 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	.0521	.0000	.0206	-.0001	35.23	-.0001	.0006	.0005
Stddev	.0003	.0068	.0005	.0004	.0000	.22	.0000	.0001	.0004
%RSD	127.2	13.07	1338.	2.184	18.68	.6276	27.55	22.61	76.25
#1	.0002	.0578	-.0005	.0201	-.0001	35.22	-.0001	.0007	.0003
#2	-.0001	.0446	.0003	.0209	-.0001	35.45	-.0001	.0004	.0003
#3	.0005	.0539	.0004	.0207	-.0001	35.01	-.0001	.0007	.0009
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0015	.0461	1.017	8.482	.0066	.0008	10.65	.0010	.0000
Stddev	.0000	.0039	.026	.081	.0001	.0000	.07	.0001	.001
%RSD	1.442	8.394	2.558	.9524	2.061	3.202	.6275	6.038	8823.
#1	.0015	.0504	1.021	8.483	.0067	.0008	10.59	.0010	.0003
#2	.0015	.0431	1.041	8.562	.0065	.0009	10.72	.0011	-.0006
#3									

Sample Name: FA32307-40 Acquired: 3/24/2016 14:54:19 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA32475-4 Acquired: 3/24/2016 14:58:50 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA32476-1 Acquired: 3/24/2016 15:03:19 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA32316-2 Acquired: 3/24/2016 15:07:49 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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7.1

Sample Name: MP30162-MB1 Acquired: 3/24/2016 15:12:19 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0019	-0.0013	.0002	.0000	.0091	-0.0001	.0000	.0002
Stddev	.0006	.0021	.0006	.0001	.000	.0028	.0000	.000	.0001
%RSD	368.3	110.1	46.44	51.10	537.8	30.72	52.23	49.84	64.71

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	.0009	.0237	-0.0185	.0000	.0001	.0244	-0.0002	.0000
Stddev	.0001	.0011	.0248	.0085	.0000	.0001	.0109	.0003	.0001
%RSD	31.23	116.9	104.5	45.86	2899.	183.5	44.55	182.3	596.7

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	.0005	.0035	.0001	.0001	-0.0001	-0.0004	.0002	-0.0010
Stddev	.0006	.0004	.0005	.0002	.0000	.0000	.0005	.0001	.0001
%RSD	395.2	78.86	14.82	145.5	22.15	17.58	107.0	71.59	11.52

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30162-MB1 Acquired: 3/24/2016 15:12:19 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2455.9	4714.6	38876.	3093.9
Stddev	6.4	5.8	85.	3.5
%RSD	.25918	.12319	.21960	.11358

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

#1	2449.0	4712.1	38778.	3089.8
#2	2461.5	4721.3	38936.	3095.4
#3	2457.1	4710.5	38914.	3096.4

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Sample Name: MP30162-B1 Acquired: 3/24/2016 15:16:52 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0499	29.85	2.015	2.161	.0549	28.21	.0522	.5260	2.161
Stddev	.0009	.17	.002	.010	.0003	.27	.0002	.0004	.0004
%RSD	1.772	.5666	.0793	.4691	.5303	.9501	.3110	.0824	.1770

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2715	28.83	27.23	28.31	.5475	.5183	27.32	.5275	.5093
Stddev	.0003	.16	.17	.35	.0020	.0012	.12	.0004	.0008
%RSD	.1066	.5602	.6080	1.244	.3645	.2228	.4228	.0748	.1571

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5096	2.032	.0194	.5351	.5168	.5283	1.990	.4973	.5223
Stddev	.0021	.011	.0005	.0005	.0016	.0014	.008	.0002	.0012
%RSD	.4131	.5217	2.385	.0868	.3189	.2713	.4141	.0490	.2372

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30162-B1 Acquired: 3/24/2016 15:16:52 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2250.6	4558.4	37010.	3032.6
Stddev	3.1	6.2	126.	23.5
%RSD	.13614	.13536	.34079	.77343

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

#1	2250.4	4555.4	37143.	3005.8
#2	2253.8	4565.5	36995.	3049.6
#3	2247.7	4554.3	36892.	3042.4

Sample Name: CCV Acquired: 3/24/2016 15:21:05 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.563	40.74	1.965	2.044	2.023	41.51	2.007	2.019	2.029
Stddev	.0010	.37	.003	.016	.015	.29	.001	.002	.005
%RSD	.3878	.9154	.1504	.7618	.7629	.6899	.0675	.0745	.2279
#1	.2552	40.32	1.967	2.026	2.005	41.19	2.008	2.020	2.024
#2	.2564	40.88	1.965	2.049	2.032	41.65	2.006	2.019	2.032
#3	.2572	41.02	1.961	2.055	2.032	41.71	2.006	2.017	2.030

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.025	39.71	40.01	41.34	2.027	2.008	40.13	1.991	1.989
Stddev	.015	.27	.35	.28	.02	.001	.31	.001	.001
%RSD	.7467	.6726	.8757	.6741	.0928	.0454	.7703	.0716	.0583
#1	2.007	39.41	39.61	41.05	2.026	2.008	39.78	1.992	1.990
#2	2.033	39.91	40.25	41.60	2.029	2.009	40.23	1.991	1.988
#3	2.034	39.81	40.17	41.36	2.025	2.007	40.38	1.990	1.990

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.965	1.978	2.438	2.042	1.994	2.005	1.989	1.987	1.990
Stddev	.003	.002	.001	.001	.013	.005	.004	.006	.003
%RSD	.1682	.0890	.0393	.0609	.6508	.2725	.2101	.3031	.1273
#1	1.961	1.976	2.438	2.042	1.979	2.000	1.985	1.983	1.992
#2	1.968	1.979	2.439	2.043	2.001	2.010	1.993	1.994	1.990
#3	1.965	1.979	2.437	2.041	2.002	2.006	1.989	1.984	1.987

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/24/2016 15:21:05 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2148.7	4478.8	3683.2	3050.0
Stddev	3.0	5.8	38.2	22.8
%RSD	.13872	.12951	.10318	.74620
#1	2152.1	4480.9	3678.8	3076.3
#2	2147.3	4472.3	3685.8	3035.9
#3	2146.7	4483.3	3685.0	3037.8

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Sample Name: CCB Acquired: 3/24/2016 15:25:15 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0003	.0004	.0005	.0003	.0079	.0001	.0001	.0004
Stddev	.0002	.0038	.0008	.0003	.0001	.0017	.0000	.0000	.0001
%RSD	75.11	1269.	207.1	61.83	21.39	21.75	35.25	36.86	20.05
#1	-0.001	.0008	.0001	.0009	.0003	.0072	.0001	.0002	.0005
#2	-0.001	.0038	.0012	.0002	.0003	.0099	.0001	.0001	.0004
#3	-0.004	-.0037	-.0003	.0005	.0002	.0067	.0001	.0002	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	.0124	.0345	.0162	.0002	F .0015	.0094	.0002	-0.001
Stddev	.0002	.0022	.0647	.0031	.0001	.0002	.0119	.0001	.0007
%RSD	58.11	17.75	187.4	19.13	25.84	15.72	127.5	53.58	1357.
#1	-0.005	.0148	-.0282	.0136	.0003	.0017	.0231	.0002	-0.001
#2	-0.002	.0104	.1011	.0196	.0002	.0015	.0034	.0003	-0.008
#3	-0.002	.0119	.0307	.0154	.0002	.0013	.0016	.0001	.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	F .0030	-0.0015	.0002	.0004	.0009	F .0046	.0003	-0.011
Stddev	.0005	.0012	.0006	.0003	.0001	.0001	.0006	.0001	.0000
%RSD	72.28	41.58	38.20	145.7	19.72	14.19	13.79	26.07	4.395
#1	.0008	.0043	-.0010	.0004	.0005	.0009	.0053	.0003	-.0012
#2	.0001	.0028	-.0021	.0002	.0004	.0010	.0041	.0004	-.0011
#3	.0010	.0019	-.0015	-.0001	.0003	.0007	.0043	.0002	-.0011

Check ? Chk Pass Chk Fail None Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/24/2016 15:25:15 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2461.6	4754.1	3881.9	3111.6
Stddev	3.5	5.7	75.1	11.7
%RSD	.14334	.12040	.19298	.37743
#1	2465.1	4750.6	3875.1	3107.0
#2	2458.0	4760.7	3889.9	3102.9
#3	2461.8	4751.0	3880.7	3125.0

Sample Name: FA32319-12 Acquired: 3/24/2016 15:29:47 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.7577	.0145	.0352	.0000	22.96	-0.001	.0003	.0058
Stddev	.000	.0043	.0009	.0000	.000	.08	.0000	.0001	.0003
%RSD	671.7	.5690	6.465	.0895	2431.	.3326	23.98	20.65	4.805
#1	-.0001	.7603	.0135	.0352	.0000	22.94	-.0001	.0003	.0059
#2	-.0001	.7527	.0154	.0352	.0000	23.04	-.0001	.0002	.0055
#3	.0002	.7601	.0145	.0352	.0000	22.89	-.0001	.0003	.0059
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0002	4.653	2.436	2.196	.0071	.0007	7.323	.0002	.0005
Stddev	.0002	.008	.037	.027	.0001	.0001	.038	.0001	.0008
%RSD	91.29	.1738	1.536	1.236	.7604	10.58	5.174	65.65	168.4
#1	.0000	4.649	2.421	2.167	.0072	.0008	7.284	.0002	.0009
#2	.0002	4.663	2.409	2.203	.0071	.0008	7.326	.0000	.0009
#3	.0003	4.649	2.479	2.220	.0071	.0007	7.360	.0002	-.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0009	.0006	2.250	.0007	.0443	.0190	.0021	.0027	.0081
Stddev	.0006	.0005	.005	.0000	.0002	.0018	.0015	.0000	.0000
%RSD	61.70	91.88	.2362	4.808	.4681	9.675	72.02	1.555	5499
#1	.0008	.0000	2.253	.0007	.0445	.0186	.0038	.0027	.0081
#2	.0004	.0008	2.254	.0007	.0441	.0174	.0011	.0027	.0081
#3	.0015	.0010	2.244	.0007	.0443	.0210	.0013	.0027	.0081
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2373.7	4646.2	38049.	3046.7					
Stddev	3.8	3.8	89.	6.4					
%RSD	.15866	.08144	.23339	.21074					
#1	2370.4	4642.2	37950.	3042.0					
#2	2372.9	4649.7	38122.	3044.0					
#3	2377.8	4646.7	38075.	3054.0					

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Sample Name: MP30162-D1 Acquired: 3/24/2016 15:34:17 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	.7422	.0153	.0353	.0000	23.43	-0.001	.0003	.0060
Stddev	.0001	.0077	.0002	.0002	.000	.01	.0001	.0001	.0001
%RSD	68.55	1.040	1.395	.6333	226.6	.0382	51.83	30.67	1.170
#1	.0000	.7423	.0154	.0351	.0000	23.42	-.0002	.0004	.0061
#2	.0002	.7499	.0150	.0353	.0000	23.43	-.0001	.0003	.0060
#3	.0002	.7345	.0154	.0355	.0000	23.43	-.0001	.0002	.0060
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0004	4.747	2.461	2.215	.0072	.0004	7.443	.0002	.0005
Stddev	.0001	.014	.014	.007	.0000	.0001	.017	.0001	.0003
%RSD	19.99	.3029	.5720	.3028	.5818	15.80	.2263	50.77	70.35
#1	.0003	4.756	2.472	2.221	.0072	.0005	7.445	.0001	.0008
#2	.0004	4.755	2.466	2.216	.0072	.0003	7.459	.0002	.0006
#3	.0005	4.731	2.445	2.208	.0073	.0004	7.425	.0002	.0001
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0008	-.0005	2.254	.0004	.0452	.0164	.0006	.0029	.0084
Stddev	.0002	.0006	.005	.0001	.0004	.0005	.0001	.0002	.0001
%RSD	27.60	120.3	.2168	15.15	.8362	3.246	25.17	6.230	6976
#1	.0007	-.0001	2.258	.0004	.0452	.0163	.0008	.0028	.0083
#2	.0007	-.0013	2.255	.0004	.0456	.0170	.0005	.0031	.0084
#3	.0011	-.0002	2.248	.0003	.0449	.0159	.0005	.0027	.0084
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2380.7	4662.1	38172.	3016.9					
Stddev	2.0	5.3	97.	3.7					
%RSD	.08282	.11461	.25283	.12147					
#1	2378.4	4656.9	38064.	3015.5					
#2	2382.1	4667.6	38248.	3014.1					
#3	2381.5	4661.9	38205.	3021.1					

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Sample Name: MP30162-SD1 Acquired: 3/24/2016 15:38:47 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0005	.7950	.0158	.0371	.0000	24.37	-0.002	.0002	.0056
Stddev	.0004	.0147	.0005	.0012	.000	.09	.0001	.0004	.0009
%RSD	82.68	1.845	3.083	3.132	2068.	.3691	33.28	236.9	16.22
#1	-.0006	.7780	.0155	.0375	-.0001	24.35	-.0002	-.0003	.0064
#2	-.0001	.8033	.0156	.0358	.0001	24.29	-.0001	.0003	.0046
#3	-.0010	.8035	.0164	.0380	.0000	24.47	-.0002	.0006	.0058
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0016	4.886	2.570	2.359	.0072	.0000	7.572	.0000	.0016
Stddev	.0008	.034	.221	.098	.0001	.001	.073	.001	.0027
%RSD	51.94	.6850	8.596	4.136	1.826	1303.	.9684	1909.	163.5
#1	-.0025	4.854	2.352	2.316	.0073	-.0007	7.513	.0009	.0010
#2	-.0016	4.883	2.564	2.290	.0071	.0001	7.550	-.0002	.0046
#3	-.0008	4.921	2.794	2.471	.0072	.0005	7.654	-.0008	-.0006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0027	.0036	2.343	.0001	.0467	.0173	.0052	.0031	.0316
Stddev	.0046	.0054	.013	.0006	.0002	.0017	.0042	.0012	.0005
%RSD	173.2	147.2	.5700	659.8	.4878	9.703	80.80	39.65	1.522
#1	-.0078	.0063	2.345	.0002	.0468	.0155	.0080	.0044	.0311
#2	.0012	.0072	2.329	.0006	.0465	.0177	.0004	.0020	.0320
#3	-.0014	-.0025	2.355	-.0005	.0469	.0188	.0073	.0028	.0319
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2445.2	4736.9	38430.	3057.1					
Stddev	5.5	13.3	206.	13.8					
%RSD	.22361	.27999	.53727	.45249					
#1	2441.0	4738.6	38251.	3050.9					
#2	2451.3	4749.2	38383.	3073.0					
#3	2443.2	4722.8	38656.	3047.5					

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Sample Name: MP30162-PS1 Acquired: 3/24/2016 15:43:19 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0498	3.517	.1197	.3186	.0553	28.63	.0534	.0548	.0611
Stddev	.0003	.038	.0004	.0017	.0005	.22	.0001	.0002	.0003
%RSD	.5540	1.073	.3345	.5393	.8506	.7842	.2317	.2968	.5137
#1	.0496	3.475	.1198	.3168	.0547	28.38	.0536	.0546	.0607
#2	.0501	3.548	.1200	.3202	.0556	28.82	.0534	.0547	.0611
#3	.0496	3.527	.1192	.3189	.0554	28.68	.0533	.0549	.0614
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1134	7.925	12.76	7.795	.0632	.1058	17.80	.1059	.0512
Stddev	.0009	.039	.05	.119	.0003	.0001	.07	.0002	.0002
%RSD	.8171	.4894	.3904	1.531	.4947	.1394	.3675	.1803	.29

Sample Name: MP30162-S1 Acquired: 3/24/2016 15:47:39 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0499	30.85	1.997	2.210	.0549	51.83	.0509	.5169	2.180
Stddev	.0003	.06	.007	.011	.0001	.05	.0001	.0010	.0008
%RSD	.6148	.2034	.3736	.4928	.1724	.1050	.1402	.1961	.3573
#1	.0498	30.82	1.990	2.206	.0548	51.81	.0508	.5158	2.182
#2	.0503	30.81	2.005	2.202	.0550	51.89	.0509	.5176	2.171
#3	.0497	30.92	1.995	2.223	.0549	51.79	.0509	.5174	2.186
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2750	33.45	29.37	30.99	.5453	.5126	34.57	.5118	.5030
Stddev	.0008	.08	.20	.06	.0044	.0012	.14	.0017	.0011
%RSD	.2988	.2391	.6861	.2052	.8056	.2269	.4043	.3283	.2173
#1	.2759	33.38	29.29	31.07	.5481	.5114	34.52	.5104	.5042
#2	.2745	33.43	29.22	30.95	.5403	.5128	34.46	.5137	.5023
#3	.2745	33.53	29.60	30.96	.5476	.5137	34.72	.5112	.5024
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5033	2.000	2.298	.5300	.5556	.5384	1.976	.4902	.5124
Stddev	.0042	.004	.004	.0009	.0027	.0027	.012	.0021	.0008
%RSD	.8269	.1864	.1850	.1753	.4861	.5041	.6034	.4245	.1573
#1	.5029	2.003	2.296	.5303	.5562	.5404	1.969	.4920	.5115
#2	.5076	2.001	2.303	.5306	.5526	.5353	1.990	.4879	.5131
#3	.4993	1.996	2.295	.5289	.5579	.5395	1.969	.4906	.5125
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2202.1	4537.6	36606.	2966.0					
Stddev	1.4	9.8	206.	7.2					
%RSD	.06481	.21607	.56274	.24410					
#1	2203.3	4547.9	36569.	2958.9					
#2	2202.5	4536.5	36828.	2973.4					
#3	2200.5	4528.4	36420.	2965.8					

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Sample Name: MP30162-S2 Acquired: 3/24/2016 15:51:53 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0498	30.81	1.991	2.212	.0549	52.00	.0509	.5170	2.185
Stddev	.0003	.19	.005	.017	.0004	.19	.0000	.0004	.0006
%RSD	.5804	.6059	.2345	.7887	.7021	.3615	.0309	.0803	.2602
#1	.0501	30.88	1.988	2.208	.0552	52.03	.0509	.5173	2.185
#2	.0496	30.60	1.989	2.197	.0545	51.80	.0508	.5165	2.192
#3	.0496	30.96	1.996	2.231	.0551	52.18	.0508	.5171	2.180
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2739	33.36	29.43	30.75	.5440	.5118	34.62	.5115	.5029
Stddev	.0008	.11	.10	.17	.0022	.0001	.18	.0003	.0009
%RSD	.2833	.3256	.3356	.5375	.3964	.0195	.5094	.0660	.1861
#1	.2732	33.43	29.44	30.79	.5450	.5117	34.66	.5118	.5039
#2	.2737	33.24	29.32	30.57	.5454	.5117	34.42	.5111	.5021
#3	.2747	33.42	29.52	30.89	.5415	.5119	34.77	.5116	.5026
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5011	1.997	2.309	.5302	.5543	.5354	1.985	.4912	.5127
Stddev	.0024	.004	.008	.0007	.0025	.0008	.006	.0002	.0007
%RSD	.4887	.1846	.3574	.1281	.4515	.1565	.3105	.0385	.1453
#1	.5012	1.993	2.314	.5295	.5540	.5347	1.980	.4910	.5134
#2	.4986	2.000	2.313	.5304	.5519	.5363	1.982	.4914	.5127
#3	.5035	1.998	2.299	.5308	.5569	.5351	1.992	.4912	.5119
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2202.3	4541.7	36663.	2966.9					
Stddev	3.6	1.7	214.	10.9					
%RSD	.16444	.03676	.58486	.36637					
#1	2198.2	4540.7	36447.	2956.5					
#2	2203.6	4543.6	36665.	2978.2					
#3	2205.1	4540.8	36876.	2966.2					

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7.1
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Sample Name: FA32319-11 Acquired: 3/24/2016 15:56:07 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0001	3.240	.0001	.0154	.0000	40.38	-.0001	.0001	.0034
Stddev	.0002	.016	.0002	.0003	.0000	.16	.0000	.0001	.0001
%RSD	351.7	.4984	280.9	1.761	170.1	4.017	18.52	54.99	2.442
#1	-.0002	3.228	.0001	.0156	.0000	40.19	-.0001	.0002	.0034
#2	.0002	3.259	-.0001	.0151	.0000	40.48	-.0001	.0001	.0034
#3	-.0002	3.235	.0002	.0156	.0000	40.46	-.0001	.0001	.0035
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0025	1.256	1.882	2.748	.0055	.0013	5.795	.0006	.0000
Stddev	.0001	.006	.008	.048	.0001	.0001	.014	.0001	.0004
%RSD	2.314	.5204	.4189	1.731	2.235	9.592	2.370	21.85	12740.
#1	.0026	1.263	1.877	2.760	.0054	.0014	5.787	.0007	.0000
#2	.0025	1.251	1.891	2.789	.0055	.0012	5.811	.0005	.0004
#3	.0025	1.254	1.877	2.696	.0057	.0012	5.788	.0005	-.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0040	.0023	4.101	.0006	.1786	.0794	.0043	.0063	.0611
Stddev	.0007	.0008	.030	.0003	.0007	.0009	.0006	.0002	.0002
%RSD	18.35	33.25	.7281	51.26	.4080	1.124	12.96	2.698	.3637
#1	.0048	.0029	4.132	.0003	.1783	.0784	.0041	.0065	.0614
#2	.0035	.0027	4.101	.0008	.1794	.0798	.0049	.0063	.0610
#3	.0036	.0015	4.072	.0008	.1780	.0801	.0038	.0061	.0609
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2353.1	4657.4	37990.	3015.4					
Stddev	3.3	3.5	191.	7.6					
%RSD	.14196	.07601	.50179	.25265					
#1	2349.3	4654.7	38069.	3024.0					
#2	2354.4	4661.4	38129.	3012.2					
#3	2355.6	4656.1	37773.	3009.8					

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Sample Name: FA32319-13 Acquired: 3/24/2016 16:00:36 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.8877	.0014	.0665	.0001	13.89	-.0002	.0004	.0010
Stddev	.000	.0135	.0004	.0001	.0011	.08	.0000	.0000	.0002
%RSD	679.6	1.523	26.37	1.962	43.16	.5645	28.37	10.47	17.39
#1	.0001	.9014	.0017	.0666	.0001	13.92	-.0002	.0004	.0009
#2	-.0002	.8875	.0015	.0665	.0002	13.95	-.0001	.0004	.0012
#3	.0001	.8743	.0010	.0664	.0002	13.80	-.0002	.0004	.0008
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0002	1.903	1.636	3.967	.0130	.0002	4.360	.0003	.0004
Stddev	.0001	.011	.046	.030	.0000	.0001	.010	.0002	.0007
%RSD	71.30	.5533	2.804	.7670	.0786	.5335	.2216	.6048	187.7
#1	-.0003	1.912	1.589	3.970	.0130	.0002	4.370		

Sample Name: FA32319-15 Acquired: 3/24/2016 16:05:05 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0003	4.848	.0102	.0159	.0001	34.16	-0.0002	.0000	.0048
Stddev	.0005	.030	.0002	.0002	.0001	.08	.0000	.0000	.0002
%RSD	156.6	.6290	1.854	1.348	72.81	.2209	18.38	179.7	4.930
#1	.0002	4.833	.0104	.0156	.0001	34.08	-.0002	.0000	.0049
#2	-.0001	4.828	.0100	.0161	.0002	34.20	-.0001	.0001	.0050
#3	.0009	4.883	.0101	.0159	.0000	34.22	-.0002	.0000	.0045
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0005	1.452	2.036	1.694	.0027	.0009	2.928	.0009	.0004
Stddev	.0003	.008	.026	.011	.0004	.0001	.014	.0002	.0001
%RSD	60.53	.5668	1.287	.6301	15.56	7.616	.4602	17.68	30.02
#1	.0008	1.447	2.010	1.701	.0025	.0010	2.939	.0007	.0003
#2	.0005	1.448	2.063	1.682	.0032	.0010	2.913	.0011	.0004
#3	.0002	1.462	2.033	1.700	.0025	.0009	2.932	.0010	.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(In2306)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0078	.0054	5.511	.0002	.0908	.1512	.0012	.0078	.0084
Stddev	.0004	.0007	.020	.0004	.0004	.0034	.0004	.0002	.0001
%RSD	5.768	12.08	.3704	183.4	.4757	2.218	30.95	2.864	.8374
#1	.0073	.0053	5.491	-.0002	.0904	.1478	.0011	.0078	.0085
#2	.0082	.0062	5.532	.0006	.0913	.1545	.0009	.0075	.0084
#3	.0077	.0049	5.511	.0003	.0908	.1513	.0016	.0080	.0083
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2367.3	4684.5	37895.	3011.4					
Stddev	2.9	3.5	59.	4.6					
%RSD	.12137	.07415	.15492	.15118					
#1	2368.0	4685.9	37829.	3008.2					
#2	2369.7	4680.5	37912.	3009.3					
#3	2364.1	4687.0	37943.	3016.6					

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Sample Name: FA32319-16 Acquired: 3/24/2016 16:09:34 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.001	1.952	.0002	.0257	.0000	9.294	-0.0003	.0002	.0028
Stddev	.0001	.019	.0010	.0000	.0000	.048	.0000	.0001	.0004
%RSD	74.01	.9916	422.9	.1040	303.9	.5174	11.71	31.93	12.63
#1	-.0002	1.930	-.0009	.0257	.0000	9.241	-.0003	.0002	.0027
#2	.0000	1.965	.0011	.0258	.0000	9.334	-.0003	.0002	.0032
#3	-.0002	1.961	.0005	.0257	.0000	9.306	-.0003	.0001	.0025
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0002	7.518	1.327	1.493	.0142	.0002	5.156	.0003	-0.0003
Stddev	.0002	.042	.033	.043	.0001	.0001	.069	.0001	.0007
%RSD	93.13	.5577	2.509	2.905	.3902	39.92	1.334	44.92	246.0
#1	.0004	7.471	1.311	1.504	.0142	.0001	5.111	.0002	.0004
#2	.0004	7.551	1.366	1.530	.0143	.0002	5.235	.0003	-.0009
#3	.0002	7.532	1.306	1.445	.0142	.0002	5.122	.0005	-.0003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0005	.0010	3.577	.0004	.0353	.0508	-0.0010	.0040	.0080
Stddev	.0004	.0014	.040	.0002	.0002	.0008	.0003	.0001	.0001
%RSD	93.74	133.4	1.120	44.51	.4966	1.556	25.31	3.650	.6351
#1	.0003	.0002	3.613	.0003	.0354	.0510	-.0013	.0038	.0080
#2	.0002	.0026	3.582	.0003	.0355	.0515	-.0008	.0039	.0080
#3	.0009	.0003	3.534	.0006	.0351	.0500	-.0011	.0041	.0080
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2394.8	4700.8	38183.	3039.5					
Stddev	1.2	5.3	120.	12.0					
%RSD	.05102	.11174	.31311	.39612					
#1	2393.4	4706.7	38068.	3053.1					
#2	2394.9	4698.9	38175.	3035.2					
#3	2395.9	4696.7	38307.	3030.3					

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Sample Name: CCV Acquired: 3/24/2016 16:14:02 Type: QC
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2599	41.48	1.943	2.089	2.032	42.57	1.987	2.014	2.045
Stddev	.0007	.14	.002	.004	.003	.02	.002	.001	.010
%RSD	.2532	.3365	.0851	.1810	.1558	.0379	.0855	.0621	.5044
#1	.2595	41.49	1.944	2.090	2.034	42.59	1.988	2.015	2.052
#2	.2606	41.34	1.943	2.085	2.028	42.56	1.985	2.014	2.050
#3	.2595	41.62	1.941	2.092	2.034	42.57	1.986	2.013	2.033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.053	40.10	40.12	42.41	2.027	2.002	40.28	1.966	1.977
Stddev	.005	.09	.09	.13	.010	.001	.11	.002	.001
%RSD	.2531	.2160	.2162	.3057	.5015	.0663	.2611	.0994	.0533
#1	2.050	40.06	40.15	42.28	2.032	2.004	40.37	1.968	1.977
#2	2.059	40.04	40.03	42.54	2.033	2.003	40.17	1.965	1.975
#3	2.051	40.20	40.19	42.41	2.015	2.001	40.30	1.964	1.977
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.947	1.967	2.419	2.048	1.992	1.998	1.972	1.978	1.952
Stddev	.003	.007	.001	.002	.004	.009	.002	.007	.002
%RSD	.1662	.3779	.0491	.1140	.1757	.4625	.1134	.3683	.0867
#1	1.948	1.970	2.417	2.050	1.993	2.003	1.970	1.983	1.954
#2	1.949	1.972	2.419	2.046	1.988	2.004	1.973	1.982	1.951
#3	1.943	1.958	2.420	2.047	1.994	1.987	1.974	1.970	1.952
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 3/24/2016 16:14:02 Type: QC
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2148.6	4507.0	36654.	2987.4
Stddev	2.0	8.6	136.	8.3
%RSD	.09151	.19173	.37166	.27768
#1	2146.5	4498.0	36630.	2995.2
#2	2150.4	4515.3	36530.	2978.7
#3	2148.9	4507.6	36800.	2988.4

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Sample Name: CCB Acquired: 3/24/2016 16:18:13 Type: QC
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0124	.0003	.0005	.0003	.0013	.0001	.0002	.0004
Stddev	.0001	.0054	.0005	.0001	.0001	.0044	.0000	.0001	.0001
%RSD	89.06	43.91	162.9	22.39	16.76	331.9	21.59	53.90	29.79

#1	.0002	.0078	.0008	.0005	.0003	.0039	.0001	.0002	.0003
#2	.0000	.0184	.0001	.0006	.0004	-.0038	.0001	.0002	.0006
#3	.0001	.0110	-.0001	.0004	.0003	.0039	.0001	.0001	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	.0175	.0340	-.0036	.0002	F .0014	.0050	.0001	.0001
Stddev	.0002	.0040	.0106	.0198	.0000	.0002	.0080	.0001	.0002
%RSD	77.79	23.14	31.07	545.2	4.901	11.55	161.6	99.94	174.6

#1	-.0001	.0180	.0276	-.0265	.0002	.0015	.0130	.0001	.0003
#2	-.0002	.0212	.0282	.0087	.0002	.0014	.0049	.0003	.0001
#3	-.0005	.0132	.0462	.0069	.0002	.0012	-.0030	.0000	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0019	-.0006	.0004	.0004	.0009	F .0024	.0005	-.0011
Stddev	.0005	.0005	.0005	.0001	.0001	.0000	.0007	.0001	.0000
%RSD	706.8	24.96	81.48	15.25	19.30	8981	29.09	27.67	3.992

#1	.0002	.0019	-.0003	.0004	.0004	.0009	.0026	.0004	-.0011
#2	-.0005	.0014	-.0012	.0004	.0003	.0009	.0016	.0007	-.0011
#3	-.0004	.0024	-.0003	.0003	.0003	.0009	.0029	.0004	-.0011

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: CCB Acquired: 3/24/2016 16:18:13 Type: QC
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2453.0	4761.8	38586.	3071.6
Stddev	10.1	10.1	182.	22.0
%RSD	.41343	.21172	.47274	.71483

#1	2442.5	4764.6	38772.	3091.1
#2	2462.8	4770.2	38580.	3075.8
#3	2453.8	4750.6	38407.	3047.8

Sample Name: FA32319-17 Acquired: 3/24/2016 16:22:47 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0001	.3816	-.0004	.0365	.0000	16.84	-.0001	.0001	.0010
Stddev	.0001	.0157	.0004	.0003	.0000	.05	.0001	.0001	.0003
%RSD	92.12	4.110	105.5	.8469	94.39	2810	73.74	165.5	33.89

#1	-.0001	.3742	-.0008	.0363	.0000	16.82	-.0001	.0001	.0008
#2	-.0003	.3996	.0000	.0368	.0001	16.90	-.0001	.0000	.0013
#3	.0000	.3710	-.0003	.0363	.0000	16.81	.0000	.0000	.0008

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0000	.0803	.8170	1.368	.0126	.0005	2.662	-.0001	.0000
Stddev	.000	.0026	.0142	.039	.0000	.0001	.019	.0000	.0007
%RSD	520.9	3.189	1.733	2.868	.0960	19.87	.7282	74.60	1883.

#1	-.0002	.0774	.8024	1.323	.0126	.0005	2.651	-.0001	.0008
#2	.0002	.0814	.8178	1.395	.0126	.0004	2.684	.0000	-.0001
#3	-.0002	.0821	.8307	1.386	.0126	.0006	2.650	-.0001	-.0006

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0024	.0015	2.211	.0006	.0400	.0081	.0000	.0017	.0064
Stddev	.0007	.0002	.003	.0003	.0001	.0000	.0018	.0000	.0001
%RSD	28.34	15.59	.1457	44.88	.1424	.3854	10240.	1.310	.8210

#1	.0025	.0014	2.214	.0006	.0399	.0081	.0021	.0017	.0064
#2	.0031	.0018	2.208	.0004	.0399	.0081	-.0014	.0017	.0064
#3	.0017	.0013	2.213	.0009	.0400	.0081	-.0006	.0017	.0065

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2411.8	4684.1	38210.	3018.3
Stddev	4.4	4.2	189.	15.2
%RSD	.18406	.08983	.49533	.50211

#1	2406.7	4684.8	38389.	3016.6
#2	2413.5	4687.9	38228.	3004.0
#3	2415.1	4679.6	38012.	3034.2

Sample Name: FA32319-20 Acquired: 3/24/2016 16:27:18 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0000	2.979	.0016	.0100	.0000	22.68	.0007	.0011	.0050
Stddev	.000	.013	.0002	.0004	.0000	.10	.0000	.0001	.0001
%RSD	746.2	4.324	12.47	4.186	87.78	4.567	5.160	8.814	2.305

#1	.0003	2.992	.0017	.0099	.0001	22.72	.0007	.0010	.0051
#2	-.0001	2.966	.0013	.0096	.0000	22.56	.0007	.0011	.0051
#3	-.0003	2.978	.0016	.0104	.0000	22.76	.0007	.0011	.0049

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0007	3.985	.3431	2.450	.0112	.0003	4.911	.0036	.0007
Stddev	.0000	.018	.0319	.021	.0001	.0001	.018	.0001	.0003
%RSD	2.769	.4580	9.302	.8381	.7358	36.11	.3587	1.534	39.24

#1	.0007	3.980	.3784	2.451	.0111	.0004	4.898	.0036	.0009
#2	.0008	3.969	.3163	2.430	.0111	.0002	4.904	.0035	.0004
#3	.0008	4.005	.3347	2.471	.0112	.0004	4.931	.0035	.0008

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0002	.0019	1.944	.0006	.0144	.0053	-.0009	.0130	.0138
Stddev	.0003	.0005	.004	.0001	.0001	.0003	.0010	.0002	.0001
%RSD	136.1	24.25	.2176	16.29	.6863	5.566	104.9	1.743	.9219

#1	-.0001	.0015	1.948	.0007	.0145	.0050	.0000	.0130	.0140
#2	-.0005	.0024	1.940	.0006	.0143	.0056	-.0020	.0132	.0137
#3	.0000	.0019	1.945	.0005	.0144	.0054	-.0008	.0128	.0138

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2388.0	4716.2	38393.	3049.6
Stddev	.4	11.8	150.	16.7
%RSD	.01668	.25125	.38961	.54694

#1	2387.7	4714.0	38390.	3033.7
#2	2388.4	4728.9	38245.	3067.0
#3	2387.9	4705.5	38544.	3048.1

Sample Name: FA32319-21 Acquired: 3/24/2016 16:31:49 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	.1822	.0513	.0479	.0001	65.64	-0.002	-0.001	.0015
Stddev	.0002	.0080	.0004	.0004	.0000	.11	.0000	.0001	.0001
%RSD	115.4	4.398	.7316	.8198	18.89	.1673	19.13	41.10	8.208
#1	-.0002	.1820	.0517	.0475	.0001	65.74	-.0002	-.0001	.0016
#2	-.0003	.1743	.0510	.0481	.0001	65.65	-.0002	-.0001	.0014
#3	.0000	.1903	.0513	.0482	.0001	65.52	-.0002	-.0002	.0015
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.002	5.085	3.707	8.478	.0571	.0006	17.79	.0000	-0.005
Stddev	.0003	.016	.009	.026	.0002	.0000	.04	.000	.0004
%RSD	151.8	.3124	.2538	.3129	.2776	5.944	.1982	192.7	96.78
#1	-.0001	5.073	3.697	8.486	.0573	.0006	17.81	.0001	-.0009
#2	.0001	5.079	3.715	8.500	.0572	.0007	17.75	-.0001	.0000
#3	-.0005	5.103	3.710	8.448	.0570	.0006	17.82	-.0001	-.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0010	.0024	1.392	.0003	.1812	.0020	-0.009	.0052	.0061
Stddev	.0007	.0011	.002	.0001	.0001	.0003	.0019	.0003	.0000
%RSD	67.22	45.08	.1738	24.14	.0635	13.94	206.4	5.874	.3520
#1	.0018	.0011	1.393	.0003	.1811	.0022	.0002	.0055	.0061
#2	.0004	.0030	1.390	.0004	.1811	.0020	.0001	.0053	.0061
#3	.0009	.0030	1.394	.0003	.1813	.0017	-.0031	.0049	.0061
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2291.1	4542.6	3700.0	2966.2					
Stddev	5.5	6.6	81.	3.6					
%RSD	.24115	.14540	.21875	.11978					
#1	2291.4	4545.1	3690.7	2964.8					
#2	2285.4	4535.1	3703.7	2963.6					
#3	2296.4	4547.5	3705.6	2970.3					

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Sample Name: FA32319-22 Acquired: 3/24/2016 16:36:19 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	.1265	F 4.335	.0912	.0000	131.8	-0.004	.0001	.0018
Stddev	.0002	.0108	.008	.0001	.0001	.6	.0000	.0000	.0002
%RSD	43.21	8.514	.1792	.0887	149.8	4.345	6.925	38.27	10.01
#1	-.0002	.1333	4.335	.0913	.0000	132.5	-.0004	.0002	.0018
#2	-.0006	.1141	4.327	.0913	.0001	131.3	-.0003	.0001	.0017
#3	-.0005	.1321	4.342	.0911	.0000	131.7	-.0003	.0001	.0020
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0001	13.90	10.54	10.88	.2385	.0226	48.38	.0002	.0002
Stddev	.0001	.09	.05	.03	.0014	.0001	.07	.0002	.0002
%RSD	42.99	.6363	.5047	.2967	.5869	.6319	.1371	101.1	133.4
#1	.0001	13.98	10.54	10.91	.2371	.0225	48.46	.0004	.0003
#2	.0002	13.81	10.60	10.85	.2399	.0227	48.34	.0000	.0003
#3	.0002	13.91	10.49	10.88	.2383	.0225	48.35	.0001	-.0001
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0000	.0014	.9358	.0005	.2347	.0010	-0.003	.0084	.0000
Stddev	.0001	.0010	.0010	.0003	.0008	.0001	.0006	.0002	.0001
%RSD	335.5	74.24	.1026	68.74	.3399	13.37	221.9	2.410	866.9
#1	.0000	.0002	.9366	.0009	.2353	.0012	.0003	.0082	-.0001
#2	.0002	.0020	.9361	.0004	.2338	.0010	-.0002	.0086	.0001
#3	-.0001	.0020	.9347	.0002	.2350	.0009	-.0010	.0085	.0000
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2211.0	4491.3	3663.8	2992.5					
Stddev	.2	8.5	62.	15.9					
%RSD	.01108	.18910	.16998	.53001					
#1	2210.8	4481.8	3665.0	2974.6					
#2	2211.2	4494.0	3657.1	2997.8					
#3	2211.1	4498.1	3669.4	3005.0					

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Sample Name: FA32319-7F Acquired: 3/24/2016 16:40:47 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.6398	.0022	.0960	.0003	18.27	.0002	.0008	.0006
Stddev	.0001	.0107	.0006	.0004	.0000	.17	.0000	.0000	.0001
%RSD	266.1	1.669	26.18	.4467	14.87	.9184	24.04	5.937	17.20
#1	.0000	.6388	.0016	.0955	.0002	18.23	.0002	.0007	.0007
#2	.0001	.6509	.0027	.0964	.0003	18.46	.0002	.0008	.0005
#3	.0000	.6296	.0024	.0961	.0003	18.14	.0001	.0008	.0007
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0012	.2428	1.843	3.884	.0063	.0002	4.800	.0006	.0000
Stddev	.0001	.0050	.024	.044	.0000	.0001	.031	.0000	.0005
%RSD	4.863	2.072	1.295	1.146	.7687	92.80	6.550	4.012	103.9
#1	.0012	.2403	1.861	3.885	.0063	.0003	4.780	.0006	-.0005
#2	.0012	.2486	1.852	3.927	.0063	.0001	4.836	.0007	.0004
#3	.0011	.2395	1.816	3.838	.0064	.0000	4.783	.0006	.0002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0004	.0020	1.738	.0003	.0618	.0004	.0001	.0004	.0358
Stddev	.0007	.0009	.001	.0002	.0003	.0001	.0007	.0001	.0002
%RSD	197.7	47.57	.0679	63.39	.5337	13.41	506.4	13.30	.4400
#1	.0001	.0014	1.739	.0006	.0618	.0004	-.0002	.0005	.0359
#2	-.0002	.0030	1.737	.0002	.0621	.0003	-.0003	.0003	.0356
#3	.0012	.0014	1.739	.0002	.0614	.0004	.0009	.0004	.0359
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2409.8	4951.6	4045.7	3208.7					
Stddev	2.1	1.2	187.	34.9					
%RSD	.08868	.02433	.46243	1.0876					
#1	2408.5	4952.3	4027.4	3215.2					
#2	2412.3	4950.2	4064.8	3171.0					
#3	2408.7	4952.3	4044.8	3239.9					

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Sample Name: FA32319-8F Acquired: 3/24/2016 16:45:18 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	.0489	.0022	.0470	.0000	21.06	-0.001	.0001	.0004
Stddev	.0002	.0054	.0008	.0001	.0000	.05	.0000	.0001	.0003
%RSD	114.7	10.99	34.07	.2060	108.6	2.561	45.18	119.3	87.03
#1	.0001	.0544	.0024	.0470	.0000	21.01	.0000	.0000	.0004
#2	-.0003	.0487	.0029	.0469	.0000	21.06	-.0001	.0002	.0006
#3	-.0003	.0437	.0014	.0471	.0001	21.12	-.0001	.0001	.0000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0002	.0035	1.469	1.916	.0020	.0003	1.643	.0011	-0.004
Stddev	.0002	.0034	.018	.017	.0000	.0002	.014	.0001	.0008
%RSD	126.9	9							

Sample Name: FA32319-11F Acquired: 3/24/2016 16:49:50 Type: Xnk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	0.048	0.009	0.115	0.000	40.24	-0.001	-0.001	0.006
Stddev	.0001	.0010	.0004	.0001	.0000	.21	.0000	.0000	.0002
%RSD	50.74	2.274	42.47	.6851	44.34	.5280	29.35	33.73	40.36
#1	-.0004	.0437	.0012	.0114	.0001	40.40	-.0001	-.0001	.0004
#2	-.0004	.0458	.0005	.0116	.0000	40.33	-.0001	-.0001	.0008
#3	-.0001	.0449	.0011	.0115	.0000	40.00	-.0002	-.0001	.0005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.010	0.306	1.796	2.662	0.034	0.004	4.970	0.005	-0.001
Stddev	.0002	.0021	.055	.021	.0000	.0001	.009	.0001	.0003
%RSD	19.26	6.981	3.058	.7744	1.318	16.81	.1815	19.81	593.3
#1	.0009	.0322	1.733	2.686	.0033	.0003	4.979	.0005	.0000
#2	.0009	.0315	1.824	2.654	.0034	.0004	4.971	.0005	.0002
#3	.0013	.0282	1.832	2.647	.0034	.0005	4.961	.0006	-.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.034	0.021	1.472	0.002	0.175	0.007	-0.003	0.026	0.088
Stddev	.0012	.0002	.003	.0004	.0005	.0000	.0007	.0001	.0000
%RSD	33.63	11.61	.1737	167.9	.3060	1.764	202.9	3.269	2.194
#1	.0048	.0019	1.469	-.0002	.1781	.0007	-.0006	.0027	.0088
#2	.0028	.0023	1.474	.0006	.1772	.0007	-.0008	.0026	.0088
#3	.0028	.0022	1.474	.0002	.1772	.0007	-.0004	.0026	.0088
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2362.3	4614.6	3767.8	3009.7					
Stddev	5.3	2.5	75.	22.4					
%RSD	.22539	.05485	.19849	.74374					
#1	2357.9	4612.0	3776.4	2985.0					
#2	2368.2	4617.1	3764.3	3015.3					
#3	2360.7	4614.8	3762.7	3028.7					

Sample Name: FA32319-13F Acquired: 3/24/2016 16:54:23 Type: Xnk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.2457	0.013	0.640	0.001	13.51	-0.001	0.004	0.005
Stddev	.0004	.0055	.0001	.0003	.0001	.10	.0000	.0001	.0002
%RSD	253.0	2.243	4.450	.5078	47.99	.7516	14.36	15.52	32.38
#1	-.0005	.2434	.0013	.637	.0002	13.61	-.0001	.0004	.0005
#2	-.0003	.2418	.0014	.643	.0001	13.52	-.0001	.0004	.0003
#3	-.0002	.2520	.0013	.640	.0001	13.41	-.0001	.0003	.0006
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.003	1.498	1.579	3.746	0.122	0.002	4.296	0.003	-0.005
Stddev	.0001	.013	.036	.019	.0001	.0002	.038	.0003	.0005
%RSD	34.78	.8657	2.302	.5132	.5358	107.4	.8834	107.9	91.14
#1	.0003	1.508	1.611	3.752	.0122	.0000	4.312	-.0001	.0000
#2	.0002	1.502	1.585	3.761	.0122	.0004	4.323	.0005	-.0008
#3	.0004	1.484	1.540	3.724	.0123	.0001	4.252	.0004	-.0008
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.003	0.039	9954	0.003	0.0551	0.003	-0.009	0.009	0.046
Stddev	.0008	.0009	.0007	.0001	.0004	.0001	.0002	.0000	.0000
%RSD	230.8	23.28	.0708	35.17	.8407	23.03	21.26	5.277	1.000
#1	-.0002	.0050	.9961	.0002	.0554	.0003	-.0008	.0009	.0446
#2	.0013	.0032	.9948	.0003	.0552	.0004	-.0012	.0009	.0446
#3	.0000	.0036	.9952	.0004	.0547	.0002	-.0009	.0009	.0446
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2405.8	4768.4	3904.3	3114.3					
Stddev	4.9	11.6	221.	27.7					
%RSD	.20454	.24230	.56693	.88910					
#1	2403.7	4759.5	3896.9	3100.7					
#2	2411.4	4781.5	3929.3	3096.1					
#3	2402.2	4764.3	3886.9	3146.2					

7.1
7

Sample Name: FA32319-15F Acquired: 3/24/2016 16:58:55 Type: Xnk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.000	0.1079	0.058	0.091	0.000	32.14	-0.002	-0.002	0.007
Stddev	.0001	.0087	.0009	.0001	.000	.27	.0000	.0001	.0001
%RSD	216.8	8.083	14.70	1.221	21.04	.8294	21.47	47.61	14.21
#1	.0001	.0981	.0048	.0090	.0000	31.85	-.0001	-.0001	.0008
#2	.0000	.1148	.0064	.0092	.0000	32.19	-.0002	-.0001	.0008
#3	-.0001	.1108	.0062	.0090	.0000	32.37	-.0002	-.0003	.0006
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.003	0.326	1.854	1.451	0.006	0.008	2.857	0.002	0.000
Stddev	.0001	.0019	.040	.021	.0000	.0001	.004	.0002	.001
%RSD	32.42	5.956	2.164	1.471	8.414	11.60	.1572	120.9	3710.
#1	.0003	.0320	1.856	1.456	.0006	.0007	2.862	.0002	.0005
#2	.0005	.0347	1.893	1.427	.0006	.0009	2.856	.0004	.0003
#3	.0003	.0309	1.813	1.469	.0005	.0008	2.853	.0000	-.0008
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.008	0.024	1.283	0.004	0.039	0.026	-0.011	0.025	0.063
Stddev	.0006	.0009	.003	.0003	.0001	.0004	.0008	.0001	.0001
%RSD	6.864	37.97	.2303	63.66	.1678	14.06	74.08	4.399	1.993
#1	.0092	.0022	1.280	.0007	.0840	.0024	-.0009	.0024	.0065
#2	.0090	.0035	1.284	.0001	.0840	.0030	-.0004	.0025	.0063
#3	.0081	.0017	1.285	.0005	.0837	.0023	-.0021	.0025	.0062
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2383.4	4648.3	3811.9	3022.8					
Stddev	5.1	8.3	108.	22.8					
%RSD	.21481	.17814	.28213	.75423					
#1	2389.3	4654.9	3801.6	3049.1					
#2	2380.9	4651.1	3823.1	3010.1					
#3	2380.0	4639.0	3811.0	3009.2					

Sample Name: FA32319-16F Acquired: 3/24/2016 17:03:28 Type: Xnk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.1843	-0.009	0.246	0.000	9.088	-0.003	0.000	0.012
Stddev	.0002	.0053	.0003	.0002	.000	.063	.0000	.0000	.0001
%RSD	90.54	2.882	31.10	.8679	23790.	6.962	14.09	85.29	11.88
#1	-.0002	.1861	-.0006	.245	.0001	9.029	-.0003	.0001	.0014
#2	.0000	.1885	-.0011	.244	.0000	9.155	-.0003	.0000	.0012
#3	-.0004	.1783	-.0010	.248	.0000	9.080	-.0003	.0001	.0011
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.000	6.734	1.258	1.483	0.155	0.001	4.984	0.012	0.001
Stddev	.0001	.020	.012	.007	.0000	.0001	.024	.0001	.0005
%RSD	316.0	.2940	.9637	.4508	.1				

Sample Name: CCV Acquired: 3/24/2016 17:07:58 Type: QC
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 10 columns: Elem, Units, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 10 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Sample Name: CCV Acquired: 3/24/2016 17:07:58 Type: QC
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 10 columns: Elem, Units, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 10 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Sample Name: CCB Acquired: 3/24/2016 17:12:10 Type: QC
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit Low Limit

Table with 10 columns: Elem, Units, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
High Limit Low Limit

Table with 10 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit Low Limit

Sample Name: CCB Acquired: 3/24/2016 17:12:10 Type: QC
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit Low Limit

Table with 10 columns: Elem, Units, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit Low Limit

Table with 10 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit Low Limit

Sample Name: FA32319-20F Acquired: 3/24/2016 17:16:42 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	2.718	.0005	.0098	.0000	22.74	.0005	.0010	.0050
Stddev	.0002	.013	.0006	.0003	.0000	.16	.0000	.0001	.0001
%RSD	105.8	4884	122.9	2.580	393.7	6888	8.602	10.60	1.518
#1	-0.001	2.732	.0010	.0099	.0001	22.75	.0005	.0011	.0049
#2	-0.005	2.717	-0.002	.0099	.0000	22.58	.0006	.0010	.0051
#3	.0000	2.705	.0007	.0095	.0000	22.90	.0005	.0009	.0051
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0001	4.089	3.284	2.488	.0114	.0005	5.010	.0031	.0006
Stddev	.0001	.017	.0077	.049	.0001	.0000	.014	.0002	.0005
%RSD	79.62	.4236	2.346	1.969	1.178	4.404	.2761	7.785	76.59
#1	.0002	4.095	3.364	2.488	.0116	.0006	5.023	.0029	.0002
#2	.0000	4.069	3.210	2.438	.0114	.0006	5.012	.0033	.0006
#3	.0001	4.102	3.279	2.536	.0113	.0005	4.996	.0030	.0012
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0016	.0012	1.807	.0009	.0140	.0014	-0.018	.0131	.0095
Stddev	.0007	.0017	.004	.0001	.0000	.0001	.0020	.0002	.0001
%RSD	42.61	141.9	2.001	12.41	1.581	5.403	113.2	1.520	.7050
#1	.0011	.0010	1.804	.0008	.0140	.0015	-.0027	.0129	.0095
#2	.0024	.0030	1.806	.0009	.0140	.0014	.0005	.0132	.0095
#3	.0013	-.0004	1.811	.0011	.0140	.0015	-.0031	.0132	.0096
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2380.5	4690.3	38264.	3049.9					
Stddev	4.7	5.3	240.	9.8					
%RSD	.19821	.11374	.62832	.31977					
#1	2375.3	4685.8	38177.	3052.2					
#2	2381.7	4689.0	38079.	3058.2					
#3	2384.6	4696.2	38536.	3039.1					

Sample Name: FA32319-21F Acquired: 3/24/2016 17:21:11 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	.1362	.0488	.0472	.0000	64.81	-0.003	-0.001	.0015
Stddev	.0000	.0024	.0001	.0004	.0001	.34	.0000	.0000	.0002
%RSD	14.93	1.746	.2141	.7895	179.2	.5310	.3090	28.48	15.86
#1	-0.003	.1339	.0488	.0476	.0001	64.98	-0.003	-0.002	.0013
#2	-0.003	.1387	.0489	.0472	.0001	65.04	-0.003	-0.002	.0015
#3	-0.003	.1360	.0487	.0468	.0000	64.42	-0.003	-0.001	.0017
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.001	5.208	3.695	8.462	.0587	.0007	17.87	.0007	-0.001
Stddev	.0001	.044	.021	.137	.0002	.0001	.09	.0001	.0005
%RSD	69.12	.8427	.5542	1.618	.2945	15.95	.5194	18.54	370.7
#1	-0.002	5.239	3.716	8.466	.0586	.0007	17.96	.0006	-0.002
#2	.0000	5.227	3.675	8.598	.0586	.0008	17.88	.0008	.0004
#3	-0.002	5.158	3.695	8.324	.0589	.0006	17.77	.0006	-0.006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0013	.0029	1.347	.0005	.1807	.0009	-0.008	.0052	.0065
Stddev	.0005	.0019	.002	.0005	.0016	.0001	.0005	.0002	.0000
%RSD	37.93	65.90	1.328	93.89	.8814	6.001	65.08	3.142	4334
#1	.0010	.0007	1.349	.0011	.1818	.0010	-.0012	.0050	.0065
#2	.0010	.0037	1.345	.0005	.1816	.0009	-.0002	.0052	.0065
#3	.0018	.0043	1.347	.0001	.1789	.0009	-.0010	.0053	.0065
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2312.1	4567.4	37486.	2990.0					
Stddev	3.0	4.8	149.	13.5					
%RSD	.12875	.10435	.39620	.45010					
#1	2310.2	4567.0	37315.	2980.9					
#2	2310.6	4562.9	37554.	2983.7					
#3	2315.5	4572.4	37588.	3005.5					

7.1
7

Sample Name: FA32355-1 Acquired: 3/24/2016 17:25:41 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	4.168	.0013	.0129	.0000	46.32	-0.002	.0000	.0039
Stddev	.0002	.025	.0002	.0002	.000	.13	.0001	.0001	.0001
%RSD	108.9	6006	18.60	1.870	389.2	2824	36.23	462.0	2.636
#1	-0.001	4.140	.0014	.0130	.0001	46.18	-.0002	.0000	.0039
#2	.0000	4.186	.0015	.0130	.0000	46.36	-.0001	.0001	.0038
#3	-0.004	4.179	.0010	.0126	-.0001	46.43	-.0001	.0000	.0040
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0005	6.523	1.637	1.086	.0076	.0020	3.015	.0006	.0013
Stddev	.0002	.0043	.020	.009	.0001	.0001	.009	.0002	.0002
%RSD	33.65	.6573	1.229	.8192	1.198	5.931	.2956	27.43	13.57
#1	.0003	.6493	1.629	1.089	.0076	.0021	3.025	.0007	.0011
#2	.0006	.6503	1.660	1.093	.0077	.0020	3.013	.0004	.0013
#3	.0006	.6572	1.623	1.076	.0075	.0019	3.008	.0006	.0014
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0015	.0021	4.013	.0006	.0957	.1290	-0.012	.0078	.0077
Stddev	.0011	.0017	.025	.0001	.0003	.0018	.0005	.0001	.0001
%RSD	77.48	84.96	.6191	16.28	.3105	1.359	39.66	.8993	.9467
#1	.0022	.0024	4.007	.0005	.0961	.1283	-.0017	.0078	.0077
#2	.0002	.0002	4.040	.0006	.0955	.1309	-.0012	.0079	.0078
#3	.0020	.0036	3.991	.0006	.0957	.1276	-.0007	.0078	.0077
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2353.3	4633.2	37766.	2994.2					
Stddev	.8	11.7	254.	21.6					
%RSD	.03325	.25319	.67146	.72028					
#1	2352.4	4622.3	37610.	3012.5					
#2	2353.6	4645.6	37629.	2999.7					
#3	2353.9	4631.8	38058.	2970.5					

Sample Name: FA32355-2 Acquired: 3/24/2016 17:30:12 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	.4437	-0.0010	.0156	-0.0001	47.71	-0.001	-0.001	.0015
Stddev	.0002	.0027	.0011	.0004	.0000	.18	.0000	.0001	.0001
%RSD	112.4	6.017	111.9	2.676	59.82	.3738	19.37	95.43	5.403
#1	.0001	.4407	.0001	.0159	-.0001	47.81	-.0001	.0000	.0015
#2	-.0003	.4458	-.0009	.0158	.0000	47.50	-.0002	-.0001	.0014
#3	-.0004	.4446	-.0021	.0151	-.0001	47.82	-.0001	-.0001	.0016
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0001	.3927	1.554	3.357	.0070	.0046	4.466	.0000	.0001
Stddev	.0001	.0049	.020	.029	.0000	.0000	.022	.000	.0002
%RSD	93.49	1.236	1.314	.8617	.4054	.5411	.4828	740.5	203.4
#1	.0001	.3975	1.562						

Sample Name: FA32355-3 Acquired: 3/24/2016 17:34:44 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.0786	-0.0016	0.0029	0.0000	51.65	-0.0001	-0.0001	0.0004
Stddev	.0002	.0058	.0004	.0001	.000	.23	.0001	.0001	.0001
%RSD	95.74	7.367	26.69	3.905	24.03	4.514	34.95	86.68	33.37

#1	-0.004	0.0758	-0.0012	0.0029	0.0000	51.92	-0.0002	-0.0001	0.0004
#2	-0.002	0.0853	-0.0015	0.0028	0.0000	51.48	-0.0001	0.0000	0.0005
#3	0.000	0.0748	-0.0021	0.0030	0.0000	51.56	-0.0002	-0.0001	0.0002

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0001	0.0151	1.423	1.862	0.0001	0.0036	1.559	-0.0003	-0.0006
Stddev	.0002	.0047	.021	.029	.0001	.0001	.007	.0001	.0004
%RSD	125.8	31.44	1.449	1.566	45.28	1.578	4.394	31.34	73.18

#1	-0.001	0.0202	1.446	1.891	0.0002	0.0036	1.562	-0.0002	-0.0011
#2	-0.003	0.0109	1.413	1.833	0.0001	0.0037	1.551	-0.0004	-0.0003
#3	0.000	0.0140	1.409	1.863	0.0001	0.0036	1.564	-0.0004	-0.0004

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0019	0.0044	8.510	0.0005	0.0752	0.0019	-0.0016	0.0036	0.0062
Stddev	.0005	.0018	.0012	.0000	.0003	.0003	.0014	.0000	.0000
%RSD	28.08	40.28	1.416	8.829	4.304	13.76	88.29	.8978	4.094

#1	0.0024	0.0048	8.522	0.0004	0.0755	0.0019	-0.0026	0.0036	0.0061
#2	0.0014	0.0059	8.498	0.0005	0.0748	0.0022	-0.0021	0.0036	0.0062
#3	0.0019	0.0024	8.511	0.0005	0.0752	0.0017	0.0000	0.0036	0.0062

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2362.7	4628.5	3783.1	3019.4
Stddev	2.0	1.4	175.	8.8
%RSD	.08364	.02964	.46318	.29291

#1	2362.1	4629.4	3775.2	3009.7
#2	2361.1	4627.0	3771.0	3026.9
#3	2364.9	4629.3	3803.2	3021.6

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Sample Name: CRIA Acquired: 3/24/2016 17:39:16 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0089	0.2174	0.0097	0.2108	0.0052	1.107	0.0052	0.0528	0.0109
Stddev	.0001	.0029	.0011	.0003	.0000	.003	.0000	.0002	.0003
%RSD	1.295	1.329	11.40	.1521	.1835	.2841	.8894	.3294	2.839

#1	0.0088	0.2187	0.0100	0.2110	0.0052	1.110	0.0052	0.0528	0.0106
#2	0.0088	0.2195	0.0084	0.2105	0.0052	1.105	0.0052	0.0527	0.0112
#3	0.0090	0.2141	0.0105	0.2111	0.0052	1.104	0.0053	0.0530	0.0108

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0261	0.3185	10.16	5.399	0.0163	0.0495	10.26	0.0418	0.0049
Stddev	.0002	.0072	.12	.032	.0001	.0002	.04	.0001	.0002
%RSD	.5785	2.269	1.169	.5840	.5967	.4529	.4283	.1641	4.478

#1	0.0259	0.3229	10.30	5.379	0.0164	0.0495	10.29	0.0417	0.0048
#2	0.0261	0.3224	10.07	5.435	0.0162	0.0492	10.21	0.0418	0.0047
#3	0.0262	0.3101	10.12	5.382	0.0164	0.0497	10.28	0.0419	0.0051

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0047	0.0110	0.023	0.0527	0.0101	0.0101	0.0086	0.0481	0.0200
Stddev	.0008	.0006	.0003	.0005	.0002	.0001	.0004	.0003	.0002
%RSD	15.87	5.809	12.52	.9511	1.670	1.187	4.368	.6041	.7813

#1	0.0044	0.0102	0.023	0.0523	0.0101	0.0100	0.0084	0.0484	0.0202
#2	0.0042	0.0113	0.026	0.0532	0.0100	0.0102	0.0084	0.0478	0.0201
#3	0.0056	0.0114	0.020	0.0526	0.0103	0.0100	0.0091	0.0479	0.0199

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2421.1	4746.2	3843.2	3092.1
Stddev	1.6	6.5	202.	12.3
%RSD	.06445	.13710	.52464	.39661

#1	2422.1	4739.9	3824.3	3105.2
#2	2419.3	4752.9	3841.0	3090.3
#3	2421.8	4745.7	3864.4	3080.9

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Sample Name: ICSA Acquired: 3/24/2016 17:43:44 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0001	F 517.5	0.0034	0.0001	-0.0001	F 502.0	-0.0021	0.0000	0.0002
Stddev	.0004	3.9	.0014	.0002	.0000	3.2	.0003	.000	.0000
%RSD	265.0	.7595	41.46	232.6	18.64	6.282	12.36	408.5	9.524

#1	-0.0003	515.4	0.0036	0.0001	-0.0001	498.6	-0.0018	0.0000	0.0002
#2	-0.0005	522.0	0.0020	-0.0001	-0.0001	504.7	-0.0024	0.0001	0.0002
#3	-0.0002	515.0	0.0048	0.0002	-0.0001	502.8	-0.0021	-0.0002	0.0002

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0006	189.7	0.806	F 541.5	-0.0006	0.0007	1.309	0.0008	0.0008
Stddev	.0002	1.3	.0130	4.2	.0001	.0003	.0100	.0002	.0013
%RSD	40.80	.7092	16.19	.7812	23.08	50.03	7.605	20.77	157.5

#1	0.0003	188.3	0.844	537.4	-0.0006	0.0004	1.412	0.0009	-0.0002
#2	0.0007	191.0	0.912	545.8	-0.0007	0.0006	1.301	0.0009	0.0023
#3	0.0007	189.8	0.660	541.3	-0.0004	0.0010	1.213	0.0006	0.0004

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0002	0.0032	0.0120	0.0014	0.0000	0.0006	-0.0024	0.0019	-0.0049
Stddev	.0011	.0065	.0008	.0007	.000	.0002	.0011	.0002	.0001
%RSD	507.8	204.2	6.673	51.52	118.4	29.43	45.78	10.34	1.817

#1	0.0010	-0.0034	0.0120	0.0019	-0.0001	0.0004	-0.0036	0.0020	-0.0049
#2	-0.0006	0.0097	0.0111	0.0016	0.0000	0.0007	-0.0014	0.0021	-0.0050
#3	-0.0010	0.0033	0.0127	0.0006	0.0000	0.0007	-0.0022	0.0017	-0.0049

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1918.7	4111.7	3288.5	2844.6
Stddev	5.1	6.1	140.	23.5
%RSD	.26697	.14839	.42457	.82594

#1	1922.0	4118.6	3272.6	2870.2
#2	1921.3	4109.5	3299.0	2824.0
#3	1912.8	4107.0	3293.8	2839.6

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Sample Name: ICSAB Acquired: 3/24/2016 17:48:18 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130
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Sample Name: CCV Acquired: 3/24/2016 17:52:42 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2581	41.22	1.955	2.056	2.031	41.97	1.992	2.012	2.031
Stddev	.0021	.05	.012	.003	.002	.09	.005	.004	.003
%RSD	.8113	.1221	.5928	.1344	.0983	.2210	.2629	.2244	.1672

#1	.2593	41.21	1.944	2.057	2.028	42.02	1.986	2.007	2.029
#2	.2556	41.18	1.953	2.053	2.032	42.03	1.993	2.011	2.035
#3	.2592	41.28	1.967	2.058	2.031	41.87	1.997	2.016	2.030

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.044	39.97	40.13	41.83	2.029	2.003	40.24	1.978	1.976
Stddev	.011	.05	.05	.26	.005	.006	.08	.009	.005
%RSD	.5543	.1305	.1163	.6185	.2280	.3112	.1891	.4559	.2646

#1	2.041	40.02	40.13	42.12	2.025	1.996	40.25	1.971	1.970
#2	2.035	39.92	40.08	41.62	2.029	2.003	40.16	1.976	1.978
#3	2.057	39.97	40.18	41.76	2.034	2.009	40.31	1.988	1.980

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.963	1.976	2.426	2.035	1.996	2.009	1.984	1.981	1.969
Stddev	.010	.012	.010	.003	.004	.002	.004	.003	.007
%RSD	.4917	.6006	.3943	.1407	.1853	.1207	.2230	.1375	.3332

#1	1.956	1.967	2.418	2.032	1.998	2.007	1.984	1.980	1.962
#2	1.960	1.971	2.423	2.034	1.992	2.007	1.979	1.983	1.972
#3	1.974	1.989	2.437	2.038	1.999	2.012	1.988	1.978	1.974

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/24/2016 17:52:42 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2153.4	4491.9	3677.4	2979.0
Stddev	2.2	16.8	84.	6.7
%RSD	.10184	.37345	.22778	.22498

#1	2155.5	4505.6	36868.	2976.5
#2	2153.5	4497.1	36748.	2986.6
#3	2151.1	4473.2	36706.	2973.9

Sample Name: CCB Acquired: 3/24/2016 17:56:54 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0201	.0001	.0004	.0002	.0187	.0001	.0001	.0000
Stddev	.0002	.0082	.0006	.0003	.0000	.0030	.0000	.0001	.000
%RSD	52.19	40.59	435.7	83.72	20.87	16.18	51.68	130.5	775.7

#1	.0006	.0281	.0006	.0002	.0003	.0167	.0000	.0002	.0001
#2	.0003	.0205	.0005	.0002	.0003	.0222	.0001	.0002	.0001
#3	.0002	.0118	.0004	.0008	.0002	.0174	.0000	.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	.0213	.0123	.0273	.0001	F .0014	-0.0055	.0000	-0.0003
Stddev	.0002	.0013	.0200	.0071	.0001	.0004	.0100	.000	.0004
%RSD	54.18	5.911	163.1	25.95	43.93	31.05	182.1	721.1	120.5

#1	-.0002	.0227	.0328	.0352	.0001	.0018	.0058	.0001	.0000
#2	-.0005	.0204	.0110	.0218	.0002	.0014	-.0092	.0001	-.0007
#3	-.0007	.0207	-.0071	.0248	.0001	.0010	-.0131	.0000	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0017	-0.0040	.0001	.0003	.0009	.0013	.0004	-0.0011
Stddev	.0009	.0020	.0004	.0005	.0001	.0000	.0010	.0001	.0000
%RSD	114.6	119.2	9.307	444.2	20.19	3.965	72.34	30.72	2.540

#1	.0017	.0041	-.0044	.0002	.0003	.0009	.0024	.0002	-.0011
#2	.0005	.0005	-.0036	.0005	.0004	.0009	.0009	.0004	-.0011
#3	.0001	.0005	-.0039	-.0004	.0004	.0008	.0006	.0004	-.0011

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/24/2016 17:56:54 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2467.2	4763.8	3870.8	3096.5
Stddev	4.6	3.9	241.	4.1
%RSD	.18447	.08279	.62216	.13134

#1	2462.9	4767.7	38976.	3100.5
#2	2472.0	4763.9	38638.	3092.4
#3	2466.7	4759.8	38510.	3096.5

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000009	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000083	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000005	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000100	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000000	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000011	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000112	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000009	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000041	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000029	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000026	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	-0.000028	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000035	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	0.000020	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000006	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	-0.000029	0.602126	0.000000	1.000000
Al 396.152 { 85}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	0.002022	0.222557	0.000000	1.000000
As 189.042 {478}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	-0.000752	0.193936	0.000000	1.000000
Ba 455.403 { 74}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	0.002985	9.143317	0.000000	1.000000
Be 313.042 {108}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	0.003130	10.997944	0.000000	1.000000
Ca 317.933 {106}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	0.007272	0.239367	0.000000	1.000000
Cd 226.502 {449}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	-0.000645	4.865808	0.000000	1.000000
Co 228.616 {447}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	-0.000435	2.670659	0.000000	1.000000
Cr 267.716 {126}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	-0.000161	0.526124	0.000000	1.000000
Cu 324.754 {104}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	0.007328	0.943427	0.000000	1.000000
Fe 259.940 {130}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	0.001946	0.162600	0.000000	1.000000
In 230.606 {446}*	3/24/2016 10:28:13	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	0.002864	0.098069	0.000000	1.000000
Mg 279.079 {121}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	0.000016	0.024414	0.000000	1.000000
Mn 257.610 {131}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	0.001197	2.914045	0.000000	1.000000
Mo 202.030 {467}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	0.001197	1.145486	0.000000	1.000000
Na 589.592 { 57}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	-0.007419	0.412525	0.000000	1.000000
Ni 231.604 {445}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	-0.000007	1.643136	0.000000	1.000000
Pb 220.353 {453}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	-0.000070	0.823963	0.000000	1.000000
Sb 206.833 {463}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	0.000713	0.278337	0.000000	1.000000
Se 196.090 {472}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	-0.000731	0.137564	0.000000	1.000000
Si 212.412 {459}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	0.006068	0.392995	0.000000	1.000000
Sn 189.989 {477}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	0.000509	0.392071	0.000000	1.000000
Sr 407.771 { 83}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	0.005808	15.914623	0.000000	1.000000
Ti 334.941 {101}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	0.001464	2.138024	0.000000	1.000000
Tl 190.856 {477}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	-0.001349	0.280747	0.000000	1.000000
V 292.402 {115}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	-0.000561	0.738448	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	3/24/2016 10:28:13	3/24/2016 9:34:54	Linear	1/Conc	0.001127	2.399242	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999857	0.000098	0.000352	0.001173	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999803	0.007124	0.008267	0.027555	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999947	0.000161	0.000809	0.002696	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999982	0.004400	0.000254	0.000846	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999948	0.009004	0.000069	0.000229	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999641	0.010334	0.003622	0.012073	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999928	0.004701	0.000050	0.000167	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999949	0.002169	0.000101	0.000338	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999909	0.000571	0.000253	0.000842	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999989	0.000363	0.000210	0.000699	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999527	0.008060	0.002782	0.009275	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999877	0.002480	0.033001	0.110002	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999766	0.000852	0.023373	0.077910	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999720	0.005552	0.000040	0.000134	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999982	0.000553	0.000138	0.000460	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999852	0.011427	0.008097	0.026989	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999917	0.001703	0.000168	0.000561	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999939	0.000735	0.000622	0.002072	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999967	0.000181	0.000900	0.003001	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999976	0.000077	0.001670	0.005566	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.986205	0.005313	0.000442	0.001474	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999936	0.000358	0.000340	0.001133	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999975	0.009106	0.000092	0.000308	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999956	0.001612	0.000094	0.000314	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999977	0.000153	0.001055	0.003518	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999982	0.000348	0.000228	0.000761	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999939	0.002143	0.000076	0.000254	OK	1.000000	0.000000	1	0

Sample Name: Blank Acquired: 5/5/2016 10:12:42 Type: Cal
Method: 60102007_042011(v94) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.002	.0002	-0.0008	.0039	.0022	.0040	-0.013	-0.0008	-0.001
Stddev	.0003	.0004	.0001	.0018	.0010	.0018	.0001	.0001	.0001
%RSD	130.7	263.6	16.75	45.43	48.61	45.39	4.292	7.901	46.54
#1	-0.002	-0.003	-0.009	.0040	.0011	.0021	-0.013	-0.007	-0.002
#2	-0.001	.0003	-0.007	.0055	.0022	.0057	-0.014	-0.008	-0.002
#3	-0.005	.0005	-0.007	.0020	.0032	.0043	-0.013	-0.008	-0.001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0064	.0008	-0.0061	-0.0002	.0004	.0011	-0.0121	-0.0005	.0005
Stddev	.0002	.0002	.0020	.0003	.0001	.0000	.0027	.0003	.0006
%RSD	2.514	24.81	33.41	161.7	17.33	3.287	22.04	62.78	106.1
#1	.0064	.0006	-0.0077	.0001	.0004	.0011	-0.0101	-0.002	.0009
#2	.0062	.0009	-0.0068	-0.002	.0004	.0010	-0.0152	-0.009	.0008
#3	.0065	.0008	-0.0038	-0.005	.0003	.0011	-0.0111	-0.006	-0.001
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0007	.0000	.0048	.0005	-0.0002	.0011	-0.0013	-0.0007	.0010
Stddev	.0002	.0001	.0002	.0001	.0009	.0001	.0002	.0002	.0000
%RSD	22.25	587.0	4.544	13.52	579.2	13.05	13.41	23.92	3.559
#1	.0007	-0.001	.0048	.0004	-0.0003	.0013	-0.0015	-0.009	.0010
#2	.0006	.0001	.0046	.0006	-0.0010	.0011	-0.0013	-0.006	.0009
#3	.0009	.0001	.0050	.0005	.0008	.0010	-0.0012	-0.006	.0010
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2824.8	5203.0	4307.7	2902.1					
Stddev	9.0	6.3	102.	17.2					
%RSD	.31805	.12033	.23583	.59122					
#1	2822.8	5196.4	4299.4	2890.9					
#2	2834.7	5208.8	4304.6	2921.8					
#3	2817.0	5203.7	4319.0	2893.6					

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Sample Name: LowStd Acquired: 5/5/2016 10:16:12 Type: Cal
Method: 60102007_042011(v94) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0332	2.230	.0814	4.693	5.222	2.454	2.172	1.240	2.470
Stddev	.0003	.005	.0002	.013	.022	.011	.003	.002	.0021
%RSD	.9570	.2294	.2015	.2744	.4149	.4282	.1186	.1642	.8352
#1	.0336	2.224	.0812	4.680	5.198	2.442	2.171	1.239	2.492
#2	.0330	2.233	.0815	4.693	5.230	2.458	2.170	1.238	2.469
#3	.0331	2.233	.0815	4.706	5.239	2.462	2.175	1.242	2.450
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4418	1.696	1.004	.2510	1.375	.5599	3.943	.7357	.3680
Stddev	.0025	.004	.008	.0015	.011	.0004	.006	.0024	.0016
%RSD	.5628	.2531	.8336	.6084	.8271	.0637	.1423	.3215	.4241
#1	.4434	1.693	.9948	.2493	1.387	.5598	3.936	.7380	.3663
#2	.4431	1.696	1.010	.2524	1.375	.5596	3.945	.7333	.3684
#3	.4390	1.701	1.008	.2513	1.364	.5603	3.947	.7360	.3693
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.204	.0603	.1923	1.986	8.563	.9994	.1322	.3370	1.067
Stddev	.0004	.0001	.0001	.0005	.030	.0047	.0005	.0016	.003
%RSD	.3418	.2183	.0334	.2631	.3567	.4706	.3420	.4809	.3093
#1	.1208	.0602	.1923	.1980	8.529	1.002	.1325	.3386	1.067
#2	.1202	.0604	.1924	.1988	8.588	1.002	.1317	.3370	1.064
#3	.1201	.0602	.1923	.1990	8.572	.9939	.1325	.3353	1.071
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2629.9	5138.5	4203.2	2892.8					
Stddev	.7	5.0	13.	17.3					
%RSD	.02796	.09731	.03041	.59672					
#1	2629.1	5133.4	4202.1	2911.3					
#2	2630.5	5143.4	4203.0	2889.7					
#3	2630.2	5138.6	4204.6	2877.2					

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7.2
7

Sample Name: MidStd Acquired: 5/5/2016 10:19:20 Type: Cal
Method: 60102007_042011(v94) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1336	9.464	3.400	19.29	21.26	10.26	8.801	4.933	.9904
Stddev	.0002	.021	.0009	.11	.01	.03	.002	.005	.0016
%RSD	.1790	.2215	.2703	.5634	.0334	.3026	.0180	.1006	.1618
#1	.1335	9.488	.3405	19.41	21.25	10.23	8.803	4.939	.9909
#2	.1335	9.455	.3389	19.26	21.26	10.25	8.801	4.929	.9917
#3	.1339	9.449	.3405	19.19	21.27	10.29	8.800	4.932	.9886
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.756	6.207	4.343	1.057	5.545	2.182	16.93	2.918	1.540
Stddev	.005	.005	.003	.007	.015	.002	.08	.004	.004
%RSD	.2776	.0734	.0749	.6458	.2737	.0919	.4660	.1552	.2592
#1	1.759	6.212	4.343	1.050	5.546	2.183	17.02	2.923	1.545
#2	1.750	6.203	4.340	1.057	5.529	2.180	16.88	2.918	1.538
#3	1.759	6.205	4.347	1.064	5.560	2.184	16.89	2.913	1.537
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4904	.2469	.7001	.7578	33.91	3.923	.5439	1.330	4.327
Stddev	.0006	.0004	.0022	.0008	.13	.012	.0025	.003	.002
%RSD	.1292	.1762	.3154	.1081	.3910	.3023	.4588	.1852	.0414
#1	.4911	.2472	.7018	.7579	34.06	3.926	.5462	1.333	4.326
#2	.4901	.2471	.7009	.7569	33.85	3.909	.5442	1.328	4.328
#3	.4899	.2464	.6976	.7585	33.81	3.932	.5412	1.330	4.329
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2382.0	4964.2	4052.9	2845.5					
Stddev	11.3	10.0	51.	22.7					
%RSD	.47585	.20151	.12654	.79896					
#1	2369.9	4953.4	4052.0	2855.8					
#2	2383.8	4965.9	4058.5	2861.3					
#3	2392.3	4973.2	4048.3	2819.4					

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Sample Name: HighStd Acquired: 5/5/2016 10:22:30 Type: Cal
Method: 60102007_042011(v94) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2649	18.96	6.729	38.59	42.11	20.39	17.04	9.651	1.953
Stddev	.0011	.09	.0021	.15	.14	.08	.03	.011	.010
%RSD	.3989	.4857	.3151	.3940	.3377	.3790	.1831	.1144	.5089
#1	.2658	19.06	.6752	38.74	42.26	20.48	17.05	9.663	1.956
#2	.2652	18.94	.6723	38.58	42.08	20.34	17.01	9.642	1.942
#3	.2637	18.88	.6711	38.44	41.98	20.35	17.07	9.649	1.961
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.475	12.63	8.749	2.130	10.64	4.291	34.02	5.660	3.107
Stddev	.021	.05	.036	.013	.04	.005	.17	.010	.003
%RSD	.5987	.3772	.4149	.6123	.3540	.1246	.4871	.1826	.0857
#1	3.478	12.68	8.790	2.145	10.66	4.298	34.17	5.672	3.107
#2	3.494	12.64	8.720	2.123	10.60	4.289	34.04	5.652	3.105
#3	3.452	12.58	8.739	2.123	10.66	4.288	33.84	5.657	3.110
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S								

Sample Name: HSTD Acquired: 5/5/2016 10:26:20 Type: QC
 Method: 60102007_042011(v94) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4975	81.45	3.993	4.032	4.059	81.31	3.951	3.968	3.987
Stddev	.0008	.10	.004	.008	.012	.26	.005	.004	.008
%RSD	.1508	.1274	.0914	.2020	.2822	.3143	.1207	.0932	.1964
#1	.4980	81.38	3.995	4.031	4.047	81.37	3.946	3.964	3.995
#2	.4980	81.40	3.996	4.025	4.062	81.03	3.952	3.968	3.980
#3	.4967	81.57	3.989	4.041	4.069	81.53	3.956	3.971	3.985

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.010	81.00	81.65	81.99	3.931	3.982	81.24	3.942	4.012
Stddev	.002	.23	.13	.27	.027	.002	.29	.003	.005
%RSD	.0567	.2880	.1557	.3254	.6795	.0613	.3600	.0623	.1327
#1	4.007	80.78	81.53	81.84	3.909	3.985	80.93	3.941	4.010
#2	4.012	80.98	81.63	81.83	3.961	3.981	81.29	3.940	4.009
#3	4.011	81.24	81.78	82.30	3.924	3.981	81.51	3.945	4.018

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.991	3.986	4.502	3.938	4.021	3.928	3.983	3.967	3.945
Stddev	.003	.013	.007	.006	.012	.012	.006	.008	.007
%RSD	.0794	.3325	.1520	.1584	.2858	.2964	.1423	.2105	.1781
#1	3.994	4.000	4.509	3.932	4.008	3.918	3.982	3.976	3.937
#2	3.991	3.974	4.502	3.937	4.023	3.926	3.978	3.965	3.946
#3	3.988	3.985	4.496	3.944	4.031	3.941	3.989	3.959	3.951

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 5/5/2016 10:26:20 Type: QC
 Method: 60102007_042011(v94) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2219.4	4844.4	39482.	2717.7
Stddev	2.5	3.8	82.	8.3
%RSD	.11064	.07760	.20851	.30607
#1	2216.9	4840.3	39437.	2721.0
#2	2221.8	4847.8	39432.	2723.9
#3	2219.4	4845.0	39577.	2708.3

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 5/5/2016 10:30:19 Type: QC
 Method: 60102007_042011(v94) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2453	41.93	1.992	2.087	2.120	42.90	2.044	2.055	2.053
Stddev	.0003	.07	.002	.006	.004	.14	.001	.001	.002
%RSD	.1158	.1773	.1077	.2837	.1843	.3215	.0223	.0436	.1171
#1	.2451	41.97	1.991	2.094	2.124	43.04	2.045	2.054	2.051
#2	.2452	41.97	1.995	2.084	2.117	42.91	2.044	2.054	2.056
#3	.2456	41.84	1.991	2.084	2.120	42.76	2.045	2.056	2.052

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.015	42.43	42.57	43.39	2.104	1.939	42.39	2.052	2.029
Stddev	.005	.13	.10	.10	.007	.002	.01	.001	.007
%RSD	.2483	.2988	.2279	.2298	.3561	.1248	.0189	.0440	.3554
#1	2.012	42.52	42.68	43.37	2.101	1.941	42.39	2.051	2.025
#2	2.011	42.48	42.55	43.49	2.113	1.940	42.38	2.053	2.025
#3	2.020	42.28	42.49	43.30	2.099	1.937	42.39	2.053	2.038

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.011	2.036	1.002	2.077	1.986	1.986	2.088	1.918	2.060
Stddev	.003	.003	.0011	.003	.003	.003	.003	.002	.001
%RSD	.1598	.1217	1.138	.1500	.1570	.1478	.1216	.0787	.0670
#1	2.014	2.039	.1010	2.081	1.990	1.984	2.086	1.917	2.058
#2	2.008	2.036	.0989	2.075	1.984	1.989	2.091	1.919	2.060
#3	2.012	2.034	.1007	2.076	1.985	1.984	2.087	1.917	2.061

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 5/5/2016 10:30:19 Type: QC
 Method: 60102007_042011(v94) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2394.4	5038.2	40364.	2753.9
Stddev	4.5	2.2	31.	11.2
%RSD	.18931	.04409	.07777	.40799
#1	2392.0	5035.6	40331.	2759.4
#2	2399.7	5039.4	40367.	2741.0
#3	2391.6	5039.6	40393.	2761.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICB Acquired: 5/5/2016 10:37:28 Type: QC
 Method: 60102007_042011(v94) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0062	.0010	.0000	.0001	.0058	.0001	.0000	.0000
Stddev	.000	.0010	.0006	.000	.0001	.0049	.0000	.0001	.0001
%RSD	1966.	16.90	62.61	1297.	76.73	83.70	49.02	216.3	250.4
#1	-.0002	.0053	.0017	.0004	.0003	.0072	.0001	.0002	-.0001
#2	-.0002	.0059	.0006	-.0003	.0001	.0098	.0000	.0000	.0001
#3	.0003	.0074	.0006	-.0001	.0001	.0004	.0001	.0000	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0125	-.0251	.0116	.0001	.0009	.0066	.0000	.0000
Stddev	.0003	.0033	.0248	.0232	.0000	.0001	.0072	.000	.0006
%RSD	394.9	26.48	98.52	199.9	38.23	12.33	108.8	922.3	3482.
#1	.0001	.0144	-.0537	.0314	.0001	.0010	.0141	-.0001	-.0007
#2	-.0004	.0144	-.0098	-.0139	.0001	.0008	.0058	.0002	.0004
#3	.0001	.0087	-.0119	.0172	.0001	.0010	-.0002	-.0002	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0006	-.0002	.0000	.0004	.0002	.0007	F .0021	.0002	-.0002
Stddev	.0010	.0030	.0003	.0001	.0001	.0001	.0018	.0002	.0001
%RSD	156.0	1596.	591.5	28.92	39.95	14.19	88.61	111.6	23.97
#1	.0000	.0006	.0003	.0005	.0003	.0008	.0000	.0004	-.0002
#2	-.0017	-.0035	.0001	.0003	.0002	.0006	.0029	.0000	-.0003
#3	-.0001	.0023	-.0002	.0003	.0001	.0006	.0033	.0001	-.0002
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							.0020		
Low Limit							-.0020		

Sample Name: CRIA Acquired: 5/5/2016 10:41:10 Type: QC
 Method: 60102007_042011(v94) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0092	.2225	.0110	.2132	.0054	1.108	.0056	.0565	.0112
Stddev	.0001	.0123	.0006	.0009	.0001	.010	.0000	.0003	.0001
%RSD	1.245	5.518	5.923	4.084	1.051	9.115	.4032	4.902	.7367
#1	.0093	.2132	.0102	.2142	.0055	1.119	.0056	.0568	.0112
#2	.0091	.2178	.0113	.2131	.0053	1.099	.0056	.0565	.0112
#3	.0092	.2364	.0114	.2124	.0054	1.106	.0056	.0563	.0111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0287	.3403	10.44	5.367	.0171	.0528	10.56	.0455	.0053
Stddev	.0004	.0052	.03	.024	.0001	.0002	.01	.0001	.0006
%RSD	1.391	1.533	.3229	.4387	.7641	.3590	.1012	.3284	11.38
#1	.0288	.3414	10.48	5.354	.0173	.0527	10.55	.0455	.0046
#2	.0283	.3347	10.41	5.354	.0171	.0531	10.56	.0456	.0057
#3	.0291	.3450	10.44	5.395	.0170	.0528	10.57	.0453	.0056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0058	F .0121	.0520	.0571	.0107	.0114	F .0121	.0515	F .0242
Stddev	.0007	.0009	.0003	.0005	.0001	.0001	.0005	.0002	.0001
%RSD	11.81	7.302	.6095	.9393	1.132	.7754	4.376	.3155	.4818
#1	.0065	.0129	.0522	.0573	.0108	.0115	.0127	.0516	.0243
#2	.0052	.0112	.0522	.0576	.0106	.0113	.0118	.0513	.0241
#3	.0057	.0123	.0517	.0565	.0106	.0113	.0118	.0514	.0241
Check ?	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
Value Range		.0100					.0100		.0200
Range		20.00%					20.00%		20.00%

Sample Name: ICB Acquired: 5/5/2016 10:37:28 Type: QC
 Method: 60102007_042011(v94) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2849.4	5212.1	43026.	2863.2
Stddev	13.0	18.8	236.	25.5
%RSD	.45599	.36087	.54795	.89086
#1	2835.0	5193.6	43093.	2835.6
#2	2860.2	5231.2	42764.	2885.9
#3	2853.2	5211.7	43221.	2868.2

Sample Name: CRIA Acquired: 5/5/2016 10:41:10 Type: QC
 Method: 60102007_042011(v94) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2690.1	5100.5	41784.	2864.6
Stddev	3.2	14.6	289.	19.1
%RSD	.11719	.28634	.69268	.66703
#1	2688.2	5099.0	41483.	2847.5
#2	2688.3	5086.7	41807.	2885.2
#3	2693.7	5115.8	42061.	2860.9

Sample Name: ICSEA Acquired: 5/5/2016 10:45:01 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	515.6	.0000	.0009	-0.0011	492.8	.0000	-0.002	.0000
Stddev	.000	1.6	.002	.0000	.0001	4.7	.000	.0001	.000
%RSD	12640.	.3073	5586.	4.665	102.6	.9540	397.2	30.42	2195.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	188.5	.0058	530.8	.0002	.0000	.1796	.0000	.0000
Stddev	.0001	.2	.0415	.6	.0000	.000	.0044	.000	.0008
%RSD	11.84	.1204	717.6	.1058	5.145	428.2	2.446	656.1	2964.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.017	.0248	F .0020	.0002	.0009	.0000	.0000	-0.016
Stddev	.002	.0016	.0002	.0007	.0001	.0001	.000	.000	.0001
%RSD	336000.	96.51	.7900	33.07	44.33	7.601	348.7	247.7	4.178

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSEA Acquired: 5/5/2016 10:45:01 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2092.7	4607.1	36583.	2645.9
Stddev	4.5	9.8	216.	16.4
%RSD	.21413	.21269	.59039	.61982

#1 2090.2 4596.9 36549. 2629.8
 #2 2090.0 4608.1 36814. 2645.4
 #3 2097.9 4616.4 36386. 2662.5

Sample Name: ICSAB Acquired: 5/5/2016 10:52:12 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.066	534.2	1.098	.5445	.5348	502.8	.9647	.4817	.5191
Stddev	.001	1.4	.003	.0009	.0017	1.4	.0009	.0002	.0006
%RSD	.0808	.2641	.3085	.1709	.3162	.2848	.0892	.0392	.1188

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5721	194.2	-0.105	543.4	.5168	.9669	.1683	.9590	.9746
Stddev	.0008	.9	.0744	2.8	.0014	.0023	.0062	.0019	.0024
%RSD	.1436	.4399	708.7	.5067	.2770	.2380	3.665	.1968	.2454

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.039	1.032	.1245	.9475	1.072	1.026	.9591	.4774	.9515
Stddev	.008	.003	.0021	.0012	.001	.002	.0059	.0012	.0013
%RSD	.7475	.3100	1.719	.1263	.0577	.2058	.6179	.2543	.1385

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 5/5/2016 10:52:12 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2028.5	4513.4	35968.	2602.4
Stddev	5.5	17.5	45.	14.2
%RSD	.27325	.38831	.12499	.54463

#1 2026.1 4503.7 36020. 2587.6
 #2 2024.5 4502.9 35951. 2603.9
 #3 2034.8 4533.6 35935. 2615.9

Sample Name: CCV Acquired: 5/5/2016 10:57:54 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2610	41.38	2.081	2.071	2.086	41.77	2.091	2.090	2.057
Stddev	.0001	.20	.001	.014	.016	.40	.008	.007	.006
%RSD	.0468	.4907	.0630	.6799	.7551	.9502	.3773	.3272	.2900

#1	.2610	41.22	2.080	2.056	2.075	41.47	2.088	2.087	2.057
#2	.2611	41.61	2.081	2.083	2.104	42.22	2.086	2.085	2.051
#3	.2609	41.32	2.083	2.075	2.080	41.61	2.100	2.098	2.062

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.104	40.52	41.25	41.24	2.089	2.078	41.18	2.092	2.063
Stddev	.001	.21	.20	.42	.008	.007	.19	.005	.005
%RSD	.0594	.5086	.4784	1.022	.3632	.3631	.4602	.2631	.2530

#1	2.103	40.39	41.11	40.87	2.089	2.075	41.08	2.089	2.058
#2	2.103	40.76	41.47	41.69	2.081	2.072	41.39	2.089	2.063
#3	2.105	40.41	41.17	41.15	2.096	2.087	41.05	2.099	2.068

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.103	2.101	1.641	2.100	2.088	2.077	2.094	2.053	2.068
Stddev	.006	.008	.006	.007	.009	.005	.011	.008	.009
%RSD	.2763	.3830	.3852	.3323	.4526	.2588	.5330	.3805	.4269

#1	2.101	2.093	1.637	2.096	2.077	2.076	2.082	2.049	2.063
#2	2.099	2.103	1.638	2.096	2.096	2.073	2.096	2.047	2.063
#3	2.110	2.109	1.648	2.108	2.090	2.083	2.103	2.062	2.078

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 5/5/2016 10:57:54 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2336.9	4871.5	40100.	2793.1
Stddev	9.0	18.1	90.	19.8
%RSD	.38502	.37146	.22485	.70934

#1	2343.1	4875.7	40106.	2808.9
#2	2341.0	4887.1	40187.	2770.9
#3	2326.6	4851.7	40007.	2799.5

Sample Name: CCB Acquired: 5/5/2016 11:03:27 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	.0055	-0.0001	.0000	.0000	.0127	.0001	.0001	.0001
Stddev	.0001	.0119	.0011	.0001	.0000	.0020	.0000	.0000	.0002
%RSD	153.5	215.4	1048.	490.6	88.51	16.11	52.75	43.97	145.1

#1	.0001	-.0082	.0008	.0002	.0000	.0147	.0001	.0001	-.0001
#2	-.0001	.0125	.0002	.0000	.0000	.0128	.0000	.0001	.0001
#3	-.0002	.0123	-.0013	-.0001	.0000	.0106	.0001	.0000	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0107	-0.0187	.0144	.0001	.0004	.0157	.0000	-0.0002
Stddev	.0001	.0072	.0320	.0201	.0001	.0000	.0078	.0000	.0003
%RSD	16.37	66.97	171.3	139.6	36.61	10.42	49.46	228.9	210.2

#1	.0005	.0033	-.0232	.0033	.0002	.0004	.0181	.0000	-.0002
#2	.0005	.0113	-.0482	.0023	.0002	.0004	.0070	.0001	.0002
#3	.0004	.0176	.0154	.0376	.0001	.0004	.0220	.0000	-.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	-0.0019	.0005	-0.0001	.0001	.0004	.0012	.0002	.0000
Stddev	.0011	.0018	.0001	.0003	.0001	.0001	.0005	.0000	.000
%RSD	182.1	98.73	32.06	289.9	83.43	20.19	39.06	16.04	559.9

#1	.0017	-.0002	.0004	.0002	.0002	.0004	.0013	.0001	.0001
#2	-.0005	-.0038	.0006	-.0003	.0002	.0003	.0006	.0002	.0000
#3	.0006	-.0016	.0004	-.0002	.0000	.0005	.0015	.0002	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 5/5/2016 11:03:27 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2837.8	5212.8	43104.	2928.3
Stddev	2.1	5.5	45.	20.0
%RSD	.07433	.10457	.10525	.68308

#1	2840.2	5219.0	43063.	2949.4
#2	2836.1	5208.7	43153.	2909.7
#3	2837.2	5210.8	43097.	2925.7

Sample Name: MP30323-MB1 Acquired: 5/5/2016 11:14:10 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.052	-0.009	-0.001	-0.001	0.180	-0.001	-0.001	-0.001
Stddev	.0002	.0075	.0006	.0003	.0001	.0017	.0000	.0000	.0003
%RSD	153.9	144.5	67.77	248.3	185.1	9.228	24.34	29.55	475.3
#1	-0.003	0.126	-0.015	.0001	.0000	.0181	-0.001	-0.001	.0000
#2	-0.001	-0.023	-0.010	.0000	-0.002	.0196	-0.001	-0.001	.0002
#3	.0001	.0051	-0.002	-0.004	.0000	.0163	-0.001	-0.001	-0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	0.063	-0.127	-0.207	.0001	.0001	0.056	-0.001	.0000
Stddev	.0001	.0037	.0262	.0144	.0000	.0001	.0083	.0002	.001
%RSD	107.9	59.24	206.9	69.37	62.16	79.41	148.2	158.5	6483.
#1	.0001	.0028	.0176	-.0189	.0001	.0002	.0102	.0001	-.0009
#2	.0000	.0058	-.0274	-.0073	.0000	.0002	-.0040	-0.002	.0011
#3	.0001	.0102	-.0282	-.0359	.0000	.0000	.0105	-0.003	-0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	-0.001	0.134	0.068	.0002	.0003	-0.007	.0001	.0004
Stddev	.0006	.0001	.0040	.0109	.0000	.0001	.0004	.0001	.0001
%RSD	45.81	151.9	30.03	161.6	8.227	39.82	54.20	226.0	24.04
#1	.0007	-0.001	.0114	.0001	.0002	.0004	-0.003	.0002	.0004
#2	.0015	.0000	.0107	.0008	.0002	.0002	-0.006	.0001	.0003
#3	.0018	-0.002	.0180	.0194	.0003	.0002	-0.011	-0.001	.0004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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Sample Name: MP30323-MB1 Acquired: 5/5/2016 11:14:10 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2776.7	5137.5	42298.	2802.3
Stddev	5.2	14.5	96.	25.3
%RSD	.18805	.28321	.22623	.90285
#1	2775.6	5138.0	42205.	2799.3
#2	2782.4	5151.8	42292.	2829.0
#3	2772.1	5122.7	42396.	2778.7

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7.2
7

Sample Name: MP30323-B1 Acquired: 5/5/2016 11:18:42 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0510	28.81	2.052	2.185	.0564	27.67	.0533	.5369	2181
Stddev	.0003	.13	.004	.006	.0003	.11	.0001	.0007	.0010
%RSD	.6263	4500	.2035	.2966	.5591	4.104	.2235	.1332	4374
#1	.0507	28.94	2.057	2.184	.0568	27.80	.0535	.5370	2190
#2	.0513	28.68	2.050	2.179	.0563	27.63	.0533	.5376	2182
#3	.0509	28.83	2.050	2.192	.0561	27.58	.0533	.5362	2171

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2816	28.34	26.71	26.94	.5529	.5155	26.14	.5361	.5162
Stddev	.0003	.20	.10	.38	.0027	.0001	.10	.0012	.0016
%RSD	.0979	.6997	.3771	1.422	.4953	.0193	.3803	.2160	.3086
#1	.2814	28.55	26.77	27.31	.5559	.5155	26.25	.5374	.5180
#2	.2816	28.31	26.59	26.97	.5521	.5154	26.05	.5353	.5151
#3	.2819	28.16	26.76	26.55	.5506	.5155	26.14	.5354	.5154

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5310	2.089	.0217	.5417	.5278	.5222	2.101	.5036	.5237
Stddev	.0005	.003	.0002	.0014	.0014	.0012	.007	.0003	.0005
%RSD	.0908	.1426	.7221	.2558	.2638	.2316	.3472	.0522	.0904
#1	.5305	2.092	.0216	.5408	.5278	.5236	2.107	.5035	.5243
#2	.5314	2.087	.0219	.5409	.5264	.5217	2.093	.5035	.5234
#3	.5312	2.087	.0217	.5433	.5292	.5213	2.104	.5040	.5235

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: MP30323-B1 Acquired: 5/5/2016 11:18:42 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2503.5	5078.7	40972.	2770.7
Stddev	3.1	5.7	205.	27.7
%RSD	.12377	.11315	.50103	.99851
#1	2501.7	5073.8	40738.	2740.2
#2	2507.1	5077.2	41058.	2777.9
#3	2501.8	5085.0	41120.	2794.1

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Sample Name: FA33512-1L Acquired: 5/5/2016 11:22:55 Type: Unk
Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :

Table with 10 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 10 rows of data for elements Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, and Zn2062.

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Sample Name: MP30323-D1 Acquired: 5/5/2016 11:27:30 Type: Unk
Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :

Table with 10 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 10 rows of data for elements Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, and Zn2062.

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7.2

Sample Name: MP30323-SD1 Acquired: 5/5/2016 11:32:04 Type: Unk
Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :

Table with 10 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 10 rows of data for elements Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, and Zn2062.

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Sample Name: MP30323-S1 Acquired: 5/5/2016 11:36:35 Type: Unk
Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :

Table with 10 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 10 rows of data for elements Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, and Zn2062.

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Sample Name: MP30323-S2 Acquired: 5/5/2016 11:40:55 Type: Unk
Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stdev, %RSD, #1-3, Int. Std., Avg, Stdev, %RSD, #1-3).

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Sample Name: FA33433-1 Acquired: 5/5/2016 11:49:48 Type: Unk
Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stdev, %RSD, #1-3, Int. Std., Avg, Stdev, %RSD, #1-3).

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Sample Name: FA33515-1 Acquired: 5/5/2016 11:45:15 Type: Unk
Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stdev, %RSD, #1-3, Int. Std., Avg, Stdev, %RSD, #1-3).

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Sample Name: FA33575-1 Acquired: 5/5/2016 11:54:19 Type: Unk
Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stdev, %RSD, #1-3, Int. Std., Avg, Stdev, %RSD, #1-3).

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7.2

Sample Name: CCV Acquired: 5/5/2016 11:58:50 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2605	42.43	1.925	2.131	2.199	43.90	1.988	2.027	2.048
Stddev	.0004	.14	.003	.011	.014	.23	.004	.004	.008
%RSD	.1421	.3245	.1579	.5244	.6388	.5156	.2254	.1885	.4087

#1	.2609	42.45	1.921	2.131	2.200	43.93	1.984	2.024	2.057
#2	.2601	42.28	1.927	2.119	2.184	43.67	1.986	2.027	2.047
#3	.2604	42.56	1.925	2.141	2.212	44.12	1.993	2.031	2.040

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.105	40.73	43.23	43.45	2.023	2.013	40.12	1.949	1.988
Stddev	.005	.07	.28	.22	.008	.004	.12	.007	.002
%RSD	.2384	.1836	.6454	.5001	.3800	.2161	.3111	.3533	.0774

#1	2.110	40.70	43.23	43.29	2.031	2.008	40.04	1.942	1.999
#2	2.101	40.69	42.95	43.36	2.020	2.014	40.05	1.948	1.996
#3	2.103	40.82	43.50	43.69	2.016	2.016	40.26	1.956	1.999

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.947	1.967	1.528	2.068	2.175	1.985	2.008	1.970	1.925
Stddev	.002	.004	.003	.004	.009	.005	.004	.004	.006
%RSD	.0938	.1962	.1883	.1852	.4160	.2400	.2041	.2030	.3164

#1	1.945	1.965	1.525	2.065	2.176	1.990	2.008	1.973	1.922
#2	1.948	1.965	1.531	2.066	2.166	1.983	2.005	1.970	1.921
#3	1.948	1.972	1.528	2.072	2.184	1.981	2.013	1.965	1.932

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 5/5/2016 11:58:50 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2368.7	5102.5	4040.0	2683.0
Stddev	1.3	10.1	215.	15.7
%RSD	.05582	.19788	.53316	.58520

#1	2368.9	5113.5	40221.	2693.8
#2	2369.9	5100.1	40339.	2690.3
#3	2367.3	5093.8	40639.	2665.0

Sample Name: CCB Acquired: 5/5/2016 12:03:01 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	.0089	.0012	.0002	.0002	.0140	.0001	.0002	.0002
Stddev	.0003	.0042	.0009	.0001	.0001	.0052	.0000	.0001	.0002
%RSD	181.6	46.52	69.75	39.06	46.50	36.81	29.88	49.84	91.56

#1	-.0003	.0137	.0021	.0002	.0002	.0198	.0001	.0003	.0003
#2	-.0002	.0059	.0004	.0002	.0002	.0122	.0001	.0001	.0004
#3	.0001	.0072	.0011	.0003	.0001	.0100	.0001	.0002	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	.0134	.0231	-.0233	.0002	.0008	.0772	-0.0001	.0001
Stddev	.0001	.0017	.0315	.0218	.0000	.0002	.0098	.0001	.0001
%RSD	59.73	12.95	136.5	93.72	18.50	25.56	12.73	128.0	136.8

#1	-.0001	.0129	-.0019	-.0249	.0002	.0011	.0755	.0000	.0002
#2	-.0001	.0121	.0585	-.0007	.0002	.0008	.0877	.0000	-.0001
#3	-.0002	.0154	.0127	-.0442	.0003	.0006	.0683	-.0002	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	.0001	.0010	-.0002	.0003	.0010	.0002	.0003	.0000
Stddev	.0005	.0011	.0001	.0003	.0001	.0001	.0008	.0001	.0000
%RSD	42.33	1174.	5.817	126.6	25.51	8.077	363.6	40.89	121.0

#1	.0009	-.0004	.0010	-.0002	.0002	.0010	.0011	.0001	.0000
#2	.0019	-.0013	.0011	-.0000	.0004	.0011	-.0003	.0003	.0001
#3	.0010	-.0006	.0010	-.0005	.0004	.0010	-.0002	.0004	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 5/5/2016 12:03:01 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2809.7	5351.9	42812.	2758.9
Stddev	11.5	12.3	223.	15.7
%RSD	.40991	.22911	.51988	.56866

#1	2800.6	5338.4	43052.	2741.8
#2	2822.7	5362.4	42772.	2762.4
#3	2805.8	5354.9	42612.	2772.6

Sample Name: FA33617-1L Acquired: 5/5/2016 12:07:33 Type: Unk
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	0.0210	-0.002	0.010	-0.001	68.89	0.002	-0.001	0.003
Stddev	0.002	0.0046	0.006	0.004	0.001	0.05	0.000	0.001	0.000
%RSD	68.95	21.81	368.9	3.683	49.48	0.713	19.93	103.2	12.28
#1	-0.002	0.181	0.003	0.097	-0.001	68.83	0.002	0.000	0.004
#2	-0.006	0.186	-0.008	0.105	-0.001	68.93	0.002	-0.001	0.003
#3	-0.002	0.263	0.000	0.103	-0.002	68.90	0.002	-0.002	0.004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.003	0.0218	1.966	6.339	0.0229	0.002	F 155.4	-0.003	-0.003
Stddev	0.002	0.017	0.203	0.198	0.001	0.001	5	0.002	0.005
%RSD	61.27	7.709	10.31	3.120	5.462	37.17	3.125	68.33	130.7
#1	0.004	0.199	1.746	6.112	0.230	0.003	155.9	-0.003	-0.007
#2	0.004	0.227	2.006	6.433	0.228	0.003	155.1	-0.001	0.002
#3	0.001	0.229	2.145	6.472	0.229	0.001	155.1	-0.005	-0.005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.012	0.010	0.715	0.006	0.2050	0.017	-0.016	0.002	0.141
Stddev	0.004	0.008	0.024	0.005	0.004	0.000	0.005	0.003	0.000
%RSD	32.29	81.79	3.389	89.09	1.723	2.375	29.92	132.9	2.659
#1	0.017	0.008	0.733	0.001	0.2053	0.017	-0.020	0.003	0.140
#2	0.009	0.002	0.725	0.011	0.2046	0.017	-0.017	0.004	0.141
#3	0.011	0.018	0.688	0.006	0.2052	0.016	-0.011	-0.001	0.141
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2401.5	5001.2	3925.2	2691.7					
Stddev	2.7	6.6	73	4.2					
%RSD	0.11264	0.13208	0.18693	0.15446					
#1	2401.4	5005.2	39317.	2690.8					
#2	2404.2	5004.8	39173.	2696.3					
#3	2398.8	4993.6	39268.	2688.1					

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7.2
7

Sample Name: FA33622-1 Acquired: 5/5/2016 12:12:02 Type: Unk
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	0.0401	0.001	0.0224	-0.002	96.70	-0.001	0.001	0.027
Stddev	0.001	0.023	0.007	0.003	0.000	0.28	0.000	0.000	0.001
%RSD	13.25	5.767	857.9	1.343	14.92	2.900	42.44	33.57	3.053
#1	-0.003	0.428	0.009	0.226	-0.002	96.37	0.000	0.002	0.028
#2	-0.005	0.392	0.000	0.221	-0.002	96.85	-0.001	0.001	0.027
#3	-0.004	0.384	-0.006	0.226	-0.002	96.87	-0.001	0.002	0.027
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.017	0.077	1.289	9.057	0.0125	0.021	F 155.4	0.004	-0.011
Stddev	0.001	0.012	0.18	0.292	0.000	0.001	3	0.000	0.006
%RSD	5.808	15.50	1.412	3.228	3.569	3.526	1.961	6.045	57.39
#1	0.017	0.064	1.309	9.298	0.0125	0.020	155.3	0.004	-0.017
#2	0.019	0.079	1.283	8.732	0.0126	0.020	155.8	0.004	-0.011
#3	0.017	0.088	1.274	9.142	0.0125	0.021	155.2	0.004	-0.005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.007	0.010	1.711	0.004	0.1909	0.015	-0.019	0.031	0.003
Stddev	0.009	0.014	0.02	0.002	0.005	0.001	0.012	0.003	0.000
%RSD	122.3	136.6	0.1301	52.57	2.676	7.875	64.00	10.95	9.063
#1	0.017	0.007	1.710	0.002	0.1912	0.014	-0.021	0.027	0.003
#2	-0.001	0.026	1.714	0.005	0.1913	0.016	-0.030	0.034	0.003
#3	0.006	-0.002	1.710	0.005	0.1904	0.015	-0.006	0.032	0.003
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2356.8	4902.7	3861.4	2647.0					
Stddev	1.2	12.1	32	9.0					
%RSD	0.05181	0.24760	0.08396	0.33976					
#1	2357.9	4915.0	38593.	2645.1					
#2	2357.1	4890.7	38651.	2639.1					
#3	2355.5	4902.4	38597.	2656.8					

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Sample Name: FA33598-1 Acquired: 5/5/2016 12:16:30 Type: Unk
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	0.263	-0.004	0.420	-0.002	69.61	-0.001	0.014	0.005
Stddev	0.004	0.075	0.009	0.002	0.001	0.41	0.000	0.001	0.003
%RSD	62.54	28.49	238.9	5.184	74.09	5.953	22.98	5.747	62.23
#1	-0.003	0.253	0.002	0.417	0.000	69.86	-0.001	0.015	0.006
#2	-0.010	0.343	0.001	0.421	-0.003	69.83	-0.001	0.015	0.002
#3	-0.005	0.194	-0.014	0.422	-0.002	69.13	-0.001	0.013	0.007
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.018	0.2720	0.9703	8.524	0.0692	0.035	F 149.7	0.896	0.005
Stddev	0.003	0.012	0.644	0.367	0.001	0.002	5	0.002	0.003
%RSD	14.15	4.501	6.636	4.307	0.831	5.411	3.524	2.458	52.45
#1	0.016	0.273	0.9694	8.739	0.0692	0.037	150.3	0.894	0.006
#2	0.021	0.2707	0.9063	8.100	0.0691	0.034	149.3	0.898	0.002
#3	0.017	0.2731	1.035	8.733	0.0692	0.034	149.4	0.898	0.008
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.009	0.018	0.756	0.005	0.2041	0.011	-0.009	0.000	0.897
Stddev	0.009	0.019	0.003	0.003	0.012	0.000	0.011	0.000	0.023
%RSD	97.63	103.1	0.1265	52.45	5.815	4.175	127.3	250.1	2.831
#1	0.010	0.005	0.756	0.008	0.2053	0.011	-0.015	-0.001	0.872
#2	0.018	0.010	0.753	0.003	0.2040	0.011	-0.017	0.001	0.817
#3	0.000	0.040	0.760	0.005	0.2029	0.012	0.004	-0.001	0.810
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2408.0	5007.2	3977.8	2747.3					
Stddev	2.0	6.2	13	25.0					
%RSD	0.08404	0.12368	0.03352	0.90933					
#1	2410.4	5013.6	3977.4	2725.7					
#2	2406.9	5001.3	3976.7	2741.5					
#3	2406.8	5006.7	3979.3	2774.6					

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Sample Name: MP30323-D2 Acquired: 5/5/2016 12:20:58 Type: Unk
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	0.5983	-0.006	0.125	-0.001	31.90	0.000	0.003	0.007
Stddev	0.002	0.108	0.002	0.002	0.001	0.23	0.000	0.001	0.002
%RSD	56.65	1.810	36.75	1.661	71.43	0.7135	69.77	22.87	24.13
#1	-0.003	0.6049	-0.007	0.125	-0.001	32.04	0.000	0.004	0.005
#2	-0.003	0.5858	-0.006	0.122	-0.001	32.02	-0.001	0.003	0.007
#3	-0.007	0.6041	-0.003	0.126	0.000	31.64	-0.001	0.002	0.009
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.003	0.1878	2.472	4.947	0.054	-0.004	F 165.5	0.001	0.007
Stddev	0.002	0.018	0.099	0.186	0.000	0.001	2	0.002	0.010
%RSD	58.82	9.648	3.993	3.763	3.9165	15.50	1.060	152.5	128.6
#1	0.005	0.1891	2.450	5.160	0.053	-0.003	165.7	-0.001	-0.002

Sample Name: MP30323-D3 Acquired: 5/5/2016 12:25:25 Type: Unk
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.004	0.064	-0.004	0.186	-0.001	94.67	0.000	0.001	0.027
Stddev	0.005	0.084	0.005	0.002	0.001	10	0.000	0.001	0.003
%RSD	110.8	13.05	136.2	1.154	87.25	10.65	64.50	122.0	9.804
#1	-0.007	0.051	-0.010	0.188	-0.002	94.57	0.000	0.001	0.030
#2	-0.001	0.057	0.001	0.186	0.000	94.68	-0.001	0.000	0.026
#3	-0.006	0.0724	-0.004	0.184	-0.002	94.77	0.000	0.002	0.025
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.013	0.034	1.265	0.070	0.013	0.016	F 150.4	0.004	-0.006
Stddev	0.002	0.019	0.42	0.076	0.001	0.002	5	0.002	0.003
%RSD	17.77	54.35	3.319	83.77	1.070	10.44	3.501	40.68	49.42
#1	0.015	0.026	1.247	0.070	0.012	0.016	150.8	0.004	-0.010
#2	0.014	0.021	1.313	0.062	0.013	0.015	150.6	0.003	-0.004
#3	0.010	0.055	1.236	0.062	0.012	0.018	149.8	0.006	-0.006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.008	0.014	1.639	0.000	0.188	0.012	-0.018	0.031	0.003
Stddev	0.008	0.006	0.05	0.004	0.007	0.001	0.012	0.001	0.000
%RSD	103.8	43.80	3.353	126.8	3.796	5.500	63.96	3.219	12.25
#1	0.014	0.013	1.632	-0.003	0.187	0.012	-0.027	0.030	0.003
#2	0.012	0.009	1.642	-0.001	0.183	0.011	-0.005	0.031	0.003
#3	-0.002	0.021	1.642	0.005	0.186	0.013	-0.022	0.031	0.003
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2390.9	4984.0	3883.7	2628.0					
Stddev	1.5	5.3	168.	11.0					
%RSD	0.6132	0.10725	4.3256	0.41784					
#1	2390.6	4989.4	3892.8	2634.0					
#2	2392.4	4983.9	3894.0	2615.3					
#3	2389.6	4978.7	3864.3	2634.7					

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7.2
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Sample Name: MP30323-MB2 Acquired: 5/5/2016 12:29:54 Type: Unk
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.001	0.015	-0.004	0.029	-0.002	2056	0.000	-0.001	0.001
Stddev	0.004	0.058	0.004	0.002	0.001	0.047	0.000	0.001	0.002
%RSD	306.6	374.5	103.4	5.894	62.89	2.305	103.3	114.3	310.0
#1	-0.004	0.071	0.001	0.031	-0.001	2095	0.000	-0.002	0.000
#2	-0.003	-0.044	-0.005	0.029	-0.002	2003	0.000	-0.001	-0.001
#3	-0.002	0.019	-0.007	0.028	-0.003	2068	-0.001	0.000	0.002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.001	0.006	0.945	0.021	0.007	-0.005	F 162.2	-0.002	0.003
Stddev	0.002	0.014	0.340	0.029	0.000	0.001	7	0.001	0.005
%RSD	169.5	233.6	35.98	53.44	5.234	16.12	4.058	71.89	166.6
#1	0.000	0.008	0.990	0.026	0.007	-0.004	162.4	0.000	-0.002
#2	0.003	-0.009	0.585	0.030	0.007	-0.006	161.4	-0.002	0.007
#3	0.001	0.018	1.261	0.099	0.007	-0.004	162.6	-0.003	0.004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.007	0.004	0.159	0.003	0.002	-0.002	-0.014	-0.001	0.117
Stddev	0.010	0.016	0.019	0.001	0.001	0.000	0.006	0.001	0.001
%RSD	153.2	454.3	12.04	39.49	43.16	17.69	42.18	201.4	1.105
#1	0.006	0.017	0.177	0.004	0.002	-0.003	-0.007	-0.001	0.118
#2	0.017	0.008	0.139	0.002	0.001	-0.002	-0.019	-0.002	0.117
#3	-0.003	-0.014	0.160	0.003	0.002	-0.002	-0.017	0.001	0.115
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2483.7	5094.8	4016.5	2755.2					
Stddev	3.3	8.8	88.	40.7					
%RSD	0.13419	0.17357	2.1903	1.4769					
#1	2484.4	5098.6	4007.0	2708.8					
#2	2486.7	5101.1	4017.9	2784.5					
#3	2480.1	5084.7	4024.4	2772.5					

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Sample Name: MP30323-B2 Acquired: 5/5/2016 12:34:27 Type: Unk
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.012	0.270	1.953	2.234	0.0583	28.36	0.499	5.094	2.108
Stddev	0.011	0.11	0.05	0.09	0.004	0.15	0.002	0.007	0.006
%RSD	2.062	3.661	2.659	3.792	6.551	5.239	4.029	1.362	2.729
#1	0.018	0.281	1.959	2.230	0.0585	28.37	0.501	5.101	2.101
#2	0.018	0.287	1.948	2.227	0.0578	28.20	0.498	5.087	2.112
#3	0.049	0.281	1.953	2.243	0.0585	28.50	0.498	5.093	2.110
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.007	0.010	0.21	0.16	0.007	0.012	3.0	0.008	0.011
Stddev	0.007	0.010	0.21	0.16	0.007	0.012	3.0	0.008	0.011
%RSD	250.3	3.678	7.580	6.079	1.435	2.367	1.590	1.585	2.242
#1	0.007	0.010	0.21	0.16	0.007	0.012	3.0	0.008	0.011
#2	0.007	0.010	0.21	0.16	0.007	0.012	3.0	0.008	0.011
#3	0.007	0.010	0.21	0.16	0.007	0.012	3.0	0.008	0.011
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.004	0.003	0.0284	0.014	0.0034	0.009	0.002	0.019	0.013
Stddev	0.004	0.003	0.0284	0.014	0.0034	0.009	0.002	0.019	0.013
%RSD	65.34	2.962	8.227	2.677	6.291	1.857	0.763	3.884	2.541
#1	0.004	0.003	0.0284	0.014	0.0034	0.009	0.002	0.019	0.013
#2	0.004	0.003	0.0284	0.014	0.0034	0.009	0.002	0.019	0.013
#3	0.004	0.003	0.0284	0.014	0.0034	0.009	0.002	0.019	0.013
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2374.5	5118.8	4016.1	2712.3					
Stddev	3.7	4.8	149.	27.2					
%RSD	0.15452	0.09346	3.7223	1.0018					
#1	2378.7	5113.3	4023.9	2717.2					
#2	2371.8	5121.2	3998.9	2736.7					
#3	2372.9	5121.9	4025.7	2683.0					

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Sample Name: MP30323-MB3 Acquired: 5/5/2016 12:38:49 Type: Unk
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.003	0.017	0.003	0.034	-0.002	2223	-0.001	-0.000	0.001
Stddev	0.003	0.076	0.004	0.003	0.001	0.062	0.000	0.000	0.003
%RSD	93.22	71.28	113.3	9.687	46.85	2.780	41.22	394.0	215.1
#1	-0.001	0.128	0.005	0.037	-0.001	2160	0.000	0.000	0.000
#2	-0.002	0.169	0.006	0.031	-0.003	2224	-0.001	0.000	-0.001
#3	-0.007	0.022	-0.001	0.033	-0.001	2284	-0.001	0.000	0.004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.003	0.026	1.083	0.038	0.003	-0.001	F 159.4	-0.003	0.001
Stddev	0.002	0.022							

Sample Name: MP30323-B3 Acquired: 5/5/2016 12:43:23 Type: Unk
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0512	29.37	1.970	2.249	.0591	29.07	.0499	.5116	.2120
Stddev	.0002	.10	.006	.008	.0002	.03	.0002	.0006	.0004
%RSD	.4721	.3394	.2982	.3428	.3697	.1078	.4425	.1157	.1885
#1	.0511	29.25	1.965	2.242	.0588	29.04	.0498	.5113	.2118
#2	.0510	29.44	1.969	2.257	.0592	29.08	.0497	.5113	.2116
#3	.0514	29.41	1.976	2.248	.0592	29.10	.0501	.5123	.2124

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.2795	28.29	28.61	27.81	.5191	.5046	F 183.6	.4922	.5004
Stddev	.0010	.08	.21	.19	.0025	.0014	2.4	.0024	.0008
%RSD	.3731	.2868	.7229	.6845	.4720	.2867	1.291	.4806	.1541
#1	.2800	28.23	28.40	27.65	.5167	.5032	183.7	.4916	.5003
#2	.2783	28.26	28.60	27.77	.5190	.5044	181.3	.4902	.4996
#3	.2803	28.38	28.82	28.02	.5216	.5061	186.0	.4948	.5012

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.5004	2.057	.0269	.5309	.5555	.5007	1.965	.4785	.4888
Stddev	.0040	.011	.0002	.0016	.0014	.0012	.012	.0024	.0014
%RSD	.8082	.5480	.6368	.2981	.2448	.2350	.6239	.5082	.2887
#1	.4958	2.045	.0267	.5291	.5545	.4997	1.960	.4768	.4891
#2	.5020	2.059	.0270	.5315	.5570	.5005	1.956	.4813	.4873
#3	.5033	2.067	.0269	.5321	.5550	.5020	1.979	.4775	.4901

Int. Std.	ln2306	Y_2243	Y_3600	Y_3710
Avg	2371.1	5125.5	40166.	2708.0
Stddev	.4	7.6	227.	20.1
%RSD	.01706	.14829	.56394	.74287
#1	2371.0	5133.5	40388.	2726.3
#2	2370.7	5118.4	40175.	2711.3
#3	2371.5	5124.5	39935.	2686.4

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Sample Name: CCV Acquired: 5/5/2016 12:47:45 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2620	42.95	1.917	2.161	F 2.239	F 44.81	1.985	2.030	2.047
Stddev	.0014	.09	.005	.007	.005	.21	.002	.003	.012
%RSD	.5366	.2127	.2765	.3472	.2321	.4729	.1144	.1320	.5651
#1	.2633	43.05	1.916	2.165	2.244	45.04	1.983	2.027	2.045
#2	.2605	42.89	1.912	2.152	2.233	44.63	1.983	2.031	2.037
#3	.2622	42.90	1.923	2.166	2.239	44.75	1.987	2.032	2.059

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.113	41.08	F 44.11	F 44.28	2.012	2.009	40.23	1.939	2.004
Stddev	.006	.21	.11	.32	.008	.003	.19	.003	.002
%RSD	.3009	.5017	.2476	.7222	.4199	.1224	.4763	.1396	.0740
#1	2.111	41.32	44.22	44.65	2.011	2.007	40.35	1.936	2.004
#2	2.120	40.96	44.00	44.08	2.004	2.010	40.01	1.938	2.005
#3	2.108	40.97	44.11	44.11	2.021	2.012	40.34	1.941	2.002

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.936	1.974	1.523	2.085	F 2.216	1.973	2.008	1.955	1.916
Stddev	.007	.004	.003	.004	.009	.005	.004	.008	.003
%RSD	.3868	.1831	.1684	.1883	.4239	.2329	.1991	.4064	.1608
#1	1.928	1.973	1.520	2.085	2.224	1.972	2.008	1.953	1.917
#2	1.938	1.970	1.524	2.081	2.205	1.968	2.012	1.948	1.913
#3	1.943	1.977	1.524	2.089	2.218	1.978	2.004	1.964	1.919

Int. Std.	ln2306	Y_2243	Y_3600	Y_3710
Avg	2371.1	5125.5	40166.	2708.0
Stddev	.4	7.6	227.	20.1
%RSD	.01706	.14829	.56394	.74287
#1	2371.0	5133.5	40388.	2726.3
#2	2370.7	5118.4	40175.	2711.3
#3	2371.5	5124.5	39935.	2686.4

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7.2
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Sample Name: CCV Acquired: 5/5/2016 12:47:45 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	ln2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2365.3	5129.3	40396.	2662.0
Stddev	4.3	4.0	132.	8.2
%RSD	.18101	.07827	.32576	.30715
#1	2363.0	5132.7	40357.	2656.8
#2	2362.6	5124.9	40543.	2671.4
#3	2370.2	5130.3	40288.	2657.7

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Sample Name: CCB Acquired: 5/5/2016 12:51:55 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	.0092	.0014	.0003	.0001	.0105	.0001	.0001	.0001
Stddev	.0001	.0045	.0011	.0002	.0000	.0039	.0000	.0000	.0001
%RSD	31.01	48.52	77.89	64.35	20.95	36.67	19.13	60.22	213.7
#1	-.0005	.0072	.0003	.0001	.0001	.0120	.0002	.0001	.0001
#2	-.0003	.0143	.0024	.0005	.0001	.0061	.0001	.0000	-.0001
#3	-.0004	.0061	.0014	.0002	.0001	.0134	.0001	.0001	.0001

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0166	.0049	.0160	.0003	.0009	.0655	-.0001	-.0001
Stddev	.0001	.0044	.0270	.0183	.0000	.0003	.0024	.0002	.0002
%RSD	32.97	26.28	551.5	114.5	13.82	33.15	3.708	331.3	160.5
#1	-.0003	.0210	-.0243	-.0042	.0003	.0012	.0656	-.0001	.0000
#2	-.0001	.0123	.0101	.0206	.0003	.0010	.0679	.0002	.0000
#3	-.0002	.0166	.0289	.0315	.0002	.0006	.0631	-.0002	-.0003

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	-.0007	.0009	.0000	.0003	.0009	.0011	.0001	.0000
Stddev	.0001	.0007	.0003	.0002	.0001	.0001	.0006	.0000	.0000
%RSD	7.877	104.5	32.74	664.4	24.11	6.580	52.74	16.80	660.9
#1	.0019	-.0009	.0013	.0000	.0003	.0010	.0007	.0001	.0000
#2	.0017	-.0001	.0007	-.0002	.0003	.0009	.0017	.0001	.0000
#3	.0016	-.0012	.0008	.0003	.0002	.0008	.0008	.0001	.0000

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Sample Name: CCB Acquired: 5/5/2016 12:51:55 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2819.1	5404.9	42689.	2728.6
Stddev	3.6	9.2	141.	15.7
%RSD	.12933	.17102	.33130	.57431
#1	2821.9	5415.4	42846.	2710.6
#2	2820.4	5401.3	42648.	2736.2
#3	2814.9	5398.1	42572.	2739.0

Sample Name: CCV Acquired: 5/5/2016 13:20:12 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.2531	40.02	2.016	1.998	2.011	40.18	2.042	2.032	2.018
Stddev	.0002	.09	.002	.001	.006	.17	.002	.001	.007
%RSD	.0715	.2309	.0953	.0348	.3051	.4106	.1139	.0614	.3527
#1	.2532	40.12	2.015	1.998	2.018	40.36	2.041	2.031	2.021
#2	.2532	39.96	2.016	1.998	2.006	40.13	2.045	2.033	2.009
#3	.2529	39.97	2.019	1.999	2.009	40.04	2.041	2.031	2.023

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	2.019	38.99	40.05	39.91	2.047	2.021	39.97	2.037	2.001
Stddev	.006	.11	.07	.26	.005	.003	.04	.001	.009
%RSD	.3122	.2797	.1799	.6513	.2552	.1277	.0904	.0600	.4236
#1	2.019	39.12	40.12	40.18	2.044	2.018	39.93	2.038	2.006
#2	2.026	38.91	40.05	39.89	2.045	2.022	39.99	2.036	2.006
#3	2.013	38.95	39.98	39.66	2.053	2.023	39.98	2.038	1.991

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	2.016	2.030	1.579	2.037	2.008	2.031	2.017	2.017	2.032
Stddev	.004	.006	.003	.004	.003	.004	.005	.005	.005
%RSD	.1959	.3216	.1576	.1700	.1671	.1832	.2428	.2699	.2361
#1	2.019	2.035	1.579	2.036	2.010	2.028	2.019	2.017	2.029
#2	2.012	2.022	1.577	2.041	2.004	2.030	2.020	2.012	2.038
#3	2.016	2.032	1.582	2.034	2.010	2.035	2.011	2.023	2.031

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

7.2
7

Sample Name: CCV Acquired: 5/5/2016 13:20:12 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2397.9	5186.9	41094.	2722.7
Stddev	6.4	4.5	162.	27.7
%RSD	.26624	.08646	.39461	1.0179
#1	2398.1	5191.3	41096.	2695.0
#2	2391.4	5187.0	41255.	2722.5
#3	2404.1	5182.4	40931.	2750.4

Sample Name: CCB Acquired: 5/5/2016 13:25:48 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0001	.0048	.0009	.0000	.0002	.0067	.0002	.0002	.0000
Stddev	.0003	.0035	.0006	.000	.0000	.0017	.0001	.0000	.0001
%RSD	202.8	74.22	70.22	196.2	21.53	25.01	42.94	21.34	302.2
#1	-.0002	.0008	.0002	.0000	.0002	.0080	.0003	.0003	-.0001
#2	.0003	.0059	.0010	-.0001	.0002	.0074	.0002	.0002	.0001
#3	.0002	.0076	.0014	.0000	.0001	.0048	.0001	.0003	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0000	.0138	.0204	.0415	.0003	F .0020	.0027	.0003	-.0002
Stddev	.0001	.0018	.0312	.0201	.0000	.0004	.0010	.0001	.0001
%RSD	729.8	13.26	153.2	48.46	4.473	19.72	39.00	21.78	74.74
#1	.0002	.0158	.0206	.0619	.0003	.0024	.0017	.0002	-.0002
#2	-.0001	.0123	.0514	.0217	.0003	.0021	.0026	.0003	-.0003
#3	.0000	.0131	-.0110	.0409	.0003	.0016	.0037	.0003	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	F .0021	.0006	.0014	.0005	.0001	.0013	-.0003	.0003	.0007
Stddev	.0005	.0016	.0005	.0003	.0001	.0001	.0004	.0002	.0000
%RSD	24.36	268.7	33.05	51.92	86.82	8.442	174.9	70.58	5.782
#1	.0024	-.0010	.0018	.0008	.0001	.0014	.0001	.0004	.0008
#2	.0025	.0005	.0009	.0002	.0001	.0015	-.0001	.0001	.0007
#3	.0015	.0023	.0013	.0007	.0003	.0012	-.0007	.0003	.0007

Check ? Chk Fail Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 5/5/2016 13:25:48 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2812.6	5358.1	4257.3	2683.6
Stddev	4.3	5.4	15.1	10.0
%RSD	.15426	.10072	.35452	.37369
#1	2811.2	5352.7	4242.5	2680.0
#2	2817.5	5363.5	4256.8	2675.7
#3	2809.2	5358.2	4272.7	2694.9

Sample Name: MP30322-MB1 Acquired: 5/5/2016 13:30:11 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm
Avg	-0.003	0.184	-0.018	0.011	-0.001	0.0475	-0.002	0.000
Stddev	0.007	0.164	0.021	0.014	0.002	0.092	0.002	0.000
%RSD	257.3	88.65	117.8	123.1	236.1	19.43	95.95	4.505
#1	0.002	0.331	-0.020	0.027	-0.002	0.0581	0.000	0.000
#2	0.000	0.008	-0.037	0.001	0.001	0.0416	-0.003	0.000
#3	-0.011	0.214	0.004	0.005	-0.001	0.0427	-0.004	0.000
Check ? High Limit	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Low Limit								
Elem Units	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm
Avg	0.033	-0.003	0.069	-0.145	0.073	0.021	0.083	-0.439
Stddev	0.004	0.012	0.102	0.274	0.022	0.001	0.008	0.177
%RSD	10.92	391.0	10.52	157.0	107.3	5.968	9.671	40.28
#1	0.031	-0.002	0.094	0.244	0.0313	0.023	0.084	-0.557
#2	0.031	-0.015	0.182	-0.1937	0.022	0.021	0.091	-0.525
#3	0.037	0.008	0.084	-0.0911	0.1505	0.020	0.075	-0.236
Check ? High Limit	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Low Limit								
Elem Units	Ni2316 ppm	Pb2203 ppm	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm
Avg	0.024	-0.006	0.015	-0.028	0.168	0.0596	0.001	0.035
Stddev	0.005	0.016	0.017	0.049	0.014	0.020	0.000	0.006
%RSD	22.26	253.4	113.7	173.2	8.223	3.343	39.10	17.06
#1	0.030	-0.021	0.019	-0.025	0.183	0.0594	0.000	0.042
#2	0.023	-0.009	-0.004	-0.079	0.156	0.078	0.001	0.031
#3	0.019	0.011	0.030	0.019	0.164	0.0617	0.001	0.032
Check ? High Limit	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Low Limit						0.0250		-0.0250

7.2
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Sample Name: MP30322-MB1 Acquired: 5/5/2016 13:30:11 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Tl1908 ppm	V_2924 ppm	Zn2062 ppm	
Avg	F -0.0065	0.0003	F 0.423	
Stddev	0.029	0.004	0.003	
%RSD	44.32	135.7	7.094	
#1	-0.057	0.004	0.420	
#2	-0.097	-0.001	0.426	
#3	-0.041	0.005	0.422	
Check ? High Limit	Chk Fail	Chk Pass	Chk Fail	
Low Limit	0.0050		-0.100	
Low Limit	-0.050		-0.100	
Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2805.0	5390.5	4301.5	2693.5
Stddev	10.4	9.8	11.1	20.2
%RSD	.36978	.18135	.25813	.74967
#1	2805.8	5382.9	4290.1	2684.9
#2	2815.0	5401.5	4302.3	2679.1
#3	2794.3	5387.0	4312.3	2716.6

Sample Name: MP30322-B1 Acquired: 5/5/2016 13:34:43 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	0.481	27.83	2.030	2.095	0.534	26.82	0.540	5.481	2.159
Stddev	0.014	.17	.008	.009	0.002	.11	0.001	0.004	0.012
%RSD	2.988	.6061	.3949	.4437	.3680	.3961	.1893	.0691	.5511
#1	0.484	27.65	2.021	2.085	0.536	26.70	0.541	5.479	2.170
#2	0.466	27.98	2.035	2.096	0.535	26.88	0.539	5.480	2.147
#3	0.494	27.87	2.034	2.104	0.532	26.88	0.539	5.486	2.161
Check ? Value Range	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	0.2708	27.78	25.50	25.88	0.5551	0.5237	25.65	0.546	0.5072
Stddev	0.010	.08	.25	.07	0.013	0.007	.12	0.026	0.028
%RSD	.3614	.2867	.9767	.2812	.2353	.1247	.4641	4.650	.5536
#1	.2705	27.70	25.21	25.80	.5552	.5238	25.58	.5517	.5098
#2	.2699	27.78	25.60	25.95	.5537	.5230	25.79	.5560	.5042
#3	.2718	27.85	25.68	25.88	.5563	.5243	25.59	.5563	.5077
Check ? Value Range	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	0.5169	2.049	0.338	F 0.6044	0.5100	0.5296	2.055	0.5029	0.5856
Stddev	0.028	.007	0.046	0.041	0.026	0.006	.010	0.017	0.011
%RSD	.5333	.3473	13.49	.6705	.5106	.1081	.4956	.3336	.1884
#1	.5151	2.043	.0301	.6008	.5070	.5290	2.044	.5026	.5848
#2	.5155	2.057	.0389	.6037	.5115	.5296	2.062	.5046	.5850
#3	.5200	2.048	.0325	.6088	.5115	.5301	2.061	.5013	.5868
Check ? Value Range	Chk Pass	Chk Pass	None	Chk Fail	None	None	Chk Pass	Chk Pass	Chk Pass
Low Limit				20.00%					

Sample Name: MP30322-B1 Acquired: 5/5/2016 13:34:43 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2719.0	5400.9	4312.1	2746.5
Stddev	2.7	11.7	58	7.7
%RSD	.09948	.21675	.13384	.27857

#1	2715.9	5388.0	43082.	2739.2
#2	2721.0	5411.0	43188.	2745.8
#3	2720.0	5403.5	43094.	2754.5

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Sample Name: FA32307-1 Acquired: 5/5/2016 13:39:03 Type: Unk
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	.0012	231.4	.0309	2.526	.0063	68.15	.0003	.0550	.3222
Stddev	.0005	1.2	.0068	.008	.0004	.24	.0002	.0002	.0014
%RSD	39.52	.5037	22.16	.3281	5.850	.3470	65.90	.3134	.4302

#1	.0006	232.7	.0287	2.532	.0066	68.40	.0002	.0552	.3231
#2	.0015	230.7	.0386	2.530	.0065	67.93	.0001	.0550	.3229
#3	.0014	230.8	.0254	2.516	.0059	68.10	.0005	.0549	.3206

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (Y_2243)
Avg	.1490	195.4	22.12	22.47	5.279	.0091	2.803	.1894	.3464
Stddev	.0016	.6	.29	.13	.023	.0002	.005	.0020	.0015
%RSD	1.068	.2957	1.323	.5894	.4336	1.750	.1887	1.074	.4202

#1	.1493	196.1	22.45	22.58	5.269	.0092	2.799	.1918	.3480
#2	.1472	195.2	21.89	22.32	5.305	.0091	2.809	.1887	.3452
#3	.1503	194.9	22.03	22.51	5.263	.0089	2.800	.1879	.3461

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.0031	-.0036	2.152	.0345	.9067	5.060	-.0098	.4584	.2527
Stddev	.0024	.0044	.005	.0003	.0017	.011	.0073	.0013	.0016
%RSD	77.99	122.8	.2195	.7598	.1832	.2150	74.16	.2874	.6493

#1	.0004	-.0077	2.152	.0348	.9086	5.056	-.0175	.4597	.2542
#2	.0039	.0010	2.147	.0345	.9055	5.073	-.0089	.4571	.2530
#3	.0050	-.0039	2.156	.0343	.9061	5.052	-.0031	.4583	.2510

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2638.5	5418.2	4275.0	2731.0
Stddev	8.9	14.7	43	18.3
%RSD	.33845	.27062	.10149	.66920

#1	2629.0	5405.2	42785.	2709.9
#2	2639.7	5415.4	42702.	2741.2
#3	2646.8	5434.1	42765.	2741.9

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7.2

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Sample Name: MP30322-D1 Acquired: 5/5/2016 13:43:24 Type: Unk
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_3600)	Cr2677 (Y_3600)
Avg	.0005	216.1	.0258	2.291	.0055	62.75	-.0003	.0498	.2909
Stddev	.0020	1.8	.0022	.021	.0001	.60	.0001	.0006	.0027
%RSD	380.9	.8323	8.621	.9317	2.523	.9500	41.65	1.227	.9210

#1	-.0018	216.7	.0257	2.302	.0053	63.04	-.0004	.0493	.2928
#2	.0018	214.0	.0236	2.267	.0055	62.07	-.0002	.0505	.2879
#3	.0016	217.4	.0280	2.305	.0056	63.15	-.0002	.0496	.2922

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.1332	178.4	20.20	20.58	4.794	.0081	2.526	.1727	.3251
Stddev	.0015	1.2	.27	.20	.035	.0007	.031	.0011	.0039
%RSD	1.101	.6861	1.323	.9860	.7221	7.998	1.243	.6644	1.207

#1	.1348	179.0	20.50	20.36	4.818	.0080	2.547	.1731	.3206
#2	.1320	177.0	20.03	20.63	4.754	.0076	2.490	.1736	.3273
#3	.1327	179.2	20.06	20.76	4.809	.0088	2.541	.1714	.3274

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_3710)	Sr4077 (Y_3600)	Ti3349 (In2306)	Tl1908 (Y_3600)	V_2924 (Y_2243)	Zn2062 (Y_2243)
Avg	-.0004	-.0025	2.864	.0356	.8293	5.149	-.0051	.4188	.2596
Stddev	.0056	.0060	.009	.0006	.0065	.034	.0051	.0014	.0012
%RSD	1490.	236.9	.3139	1.672	.7809	.6606	100.2	.3401	.4549

#1	.0007	.0035	2.857	.0354	.8335	5.178	-.0001	.4193	.2587
#2	.0046	-.0085	2.874	.0363	.8219	5.111	-.0103	.4172	.2610
#3	-.0065	-.0026	2.861	.0352	.8326	5.156	-.0048	.4199	.2592

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2658.2	5467.6	42922.	2689.8
Stddev	1.3	14.5	228.	24.1
%RSD	.04952	.26538	.53103	.89569

#1	2657.9	5462.7	42766.	2680.1
#2	2657.0	5456.2	43184.	2717.2
#3	2659.6	5484.0	42817.	2672.1

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Sample Name: MP30322-SD1 Acquired: 5/5/2016 13:47:44 Type: Unk
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE01: : :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-.0044	233.6	.0256	2.537	.0040	69.44	-.0015	.0577	.3264
Stddev	.0026	.8	.0078	.008	.0016	.22	.0003	.0014	.0056
%RSD	59.20	.3631	30.41	.3075	40.58	.3175	19.30	2.343	1.721

#1	-.0018	234.5	.0180	2.543	.0048	69.66	-.0016	.0584	.3296
#2	-.0043	233.1	.0336	2.529	.0021	69.21	-.0011	.0562	.3199
#3	-.0070	233.0	.0253	2.540	.0050	69.45	-.0016	.0586	.3297

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.1459	197.6	22.54	22.41	5.350	.0081	2.401	.1920	.3613
Stddev	.0041	1.2	1.38	.38	.018	.0003	.267	.0028	.0125
%RSD	2.816	.6010	6.139	1.673	.3432	3.203	11.10	1.453	3.469

#1	.1473	199.0	23.04	22.84	5.369	.0082	2.463	.1901	.3653
#2	.1413	197.2	23.61	22.18	5.332	.0083	2.632	.1907	.3473
#3	.1491	196.7	20.98	22.20	5.350	.0078	2.109	.1952	.3714

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	-.0058	-.0096	2.086	.0283	.9047	5.070	.0067	.4519	.4576
Stddev	.0122	.0368	.014	.0020	.0058	.022	.0077	.0033	.0008
%RSD	210.0	383.5	.6484	7.215	.6407	.4271	113.9	.7351	.1676

#1	-.0195	-.0061	2.072	.0285	.9114	5.084	.0150	.4535	.4576
#2	-.0016	.0253	2.088	.0262	.9010	5.045	-.0001	.4540	.4583
#3	.0037	-.0481	2.099	.0302	.9018	5.080	.0053	.4480	.4568

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2808.5	5547.9	43802.	2730.0
Stddev	10.4	15.3	40.	3.7
%RSD	.37052	.27661	.09211	.13536

#1	2814.7	5563.2	43774.	2725.9
#2	2814.3	5548.0	43848.	2731.1
#3	2796.5	5532.5	43784.	2733.0

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Sample Name: MP30322-S1 Acquired: 5/5/2016 13:56:29 Type: Unk
Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0510	262.0	1.987	4.482	.0622	90.06	.0529	.5905	.5085
Stddev	.0006	.8	.014	.014	.0005	.57	.0005	.0022	.0025
%RSD	1.097	.3012	.6863	.3100	.7698	.6280	1.010	.3648	.4940
#1	.0516	261.8	1.993	4.487	.0622	89.89	.0529	.5887	.5110
#2	.0506	262.9	1.972	4.492	.0627	90.69	.0524	.5899	.5060
#3	.0508	261.4	1.997	4.466	.0617	89.60	.0535	.5929	.5086
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4082	204.0	46.80	47.31	5.261	4.776	29.02	.7232	.8276
Stddev	.0014	.8	.31	.46	.014	.0009	.07	.0028	.0031
%RSD	.3456	.3897	.6619	.9773	.2631	.1944	.2581	.3817	.3735
#1	.4068	203.5	46.93	46.99	5.248	4.777	28.94	.7232	.8272
#2	.4081	204.9	47.03	47.84	5.260	4.784	29.09	.7205	.8248
#3	.4097	203.5	46.45	47.10	5.276	4.766	29.02	.7260	.8309
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1825	2.001	5.523	.5592	1.356	5.761	2.064	.9185	.7428
Stddev	.0057	.004	.010	.0021	.005	.013	.007	.0049	.0052
%RSD	3.120	.1922	.1742	.3803	.3495	.2274	.3302	.5354	.7034
#1	.1827	2.002	5.516	.5570	1.352	5.746	2.064	.9200	.7380
#2	.1766	2.004	5.519	.5594	1.362	5.766	2.058	.9130	.7420
#3	.1880	1.997	5.534	.5612	1.355	5.771	2.071	.9225	.7483
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2575.4	5402.5	42340.	2715.0					
Stddev	5.2	3.0	170.	15.5					
%RSD	.20183	.05473	.40148	.57138					
#1	2573.1	5400.9	42458.	2720.2					
#2	2581.3	5405.9	42417.	2697.5					
#3	2571.7	5400.7	42145.	2727.2					

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Sample Name: MP30322-S2 Acquired: 5/5/2016 14:00:47 Type: Unk
Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0509	268.7	1.981	4.504	.0628	91.39	.0525	.5921	.5227
Stddev	.0003	1.3	.006	.017	.0007	.12	.0003	.0003	.0021
%RSD	.4931	.5018	.2805	.3727	1.110	.1262	.5607	.0575	.3983
#1	.0510	270.2	1.981	4.522	.0635	91.48	.0529	.5924	.5237
#2	.0507	267.9	1.987	4.503	.0628	91.26	.0524	.5917	.5203
#3	.0512	267.9	1.976	4.488	.0621	91.43	.0524	.5921	.5242
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4134	210.0	47.71	48.71	5.339	4.818	29.23	.7318	.8383
Stddev	.0023	.8	.17	.10	.008	.0023	.05	.0014	.0026
%RSD	.5453	.3619	.3573	.1987	.1497	.4817	.1588	.1967	.3071
#1	.4127	210.8	47.89	48.80	5.338	4.810	29.28	.7328	.8382
#2	.4160	209.3	47.56	48.74	5.331	4.844	29.23	.7324	.8358
#3	.4116	210.0	47.68	48.61	5.347	4.800	29.18	.7301	.8409
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1838	2.001	4.610	.5665	1.373	5.784	2.076	.9329	.7684
Stddev	.0019	.009	.008	.0020	.010	.013	.004	.0052	.0005
%RSD	1.011	.4686	.1786	.3568	.7504	.2316	.2177	.5610	.0621
#1	.1838	1.995	4.604	.5686	1.384	5.774	2.072	.9382	.7686
#2	.1820	2.012	4.606	.5646	1.365	5.780	2.076	.9278	.7679
#3	.1857	1.996	4.619	.5664	1.368	5.799	2.081	.9327	.7688
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2570.4	5394.3	41800.	2634.1					
Stddev	6.1	10.0	84.	8.3					
%RSD	.23701	.18550	.20050	.31685					
#1	2565.5	5388.9	41864.	2640.4					
#2	2577.2	5405.8	41831.	2637.2					
#3	2568.4	5388.0	41705.	2624.6					

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7.2
7

Sample Name: FA32307-4 Acquired: 5/5/2016 14:05:03 Type: Unk
Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0002	259.5	.0394	.5410	.0039	6.684	-.0032	.0303	.2876
Stddev	.0016	.3	.0016	.0015	.0002	.036	.0002	.0001	.0016
%RSD	993.1	.1216	3.984	.2841	4.266	.5379	7.002	.3223	.5428
#1	-.0019	259.8	.0378	.5409	.0041	6.660	-.0030	.0302	.2865
#2	.0014	259.2	.0409	.5396	.0039	6.666	-.0035	.0304	.2894
#3	.0000	259.4	.0396	.5426	.0037	6.725	-.0032	.0304	.2868
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0299	192.8	11.97	11.24	.3624	.0114	2.107	.1596	.0668
Stddev	.0006	.3	.18	.17	.0014	.0006	.043	.0003	.0063
%RSD	2.030	.1378	1.476	1.500	.3972	4.962	2.055	.1965	9.454
#1	.0292	192.9	12.15	11.44	.3613	.0119	2.138	.1600	.0660
#2	.0303	193.0	11.80	11.16	.3641	.0115	2.126	.1594	.0734
#3	.0302	192.5	11.94	11.13	.3619	.0108	2.058	.1595	.0608
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0008	-.0041	2.619	.0453	.1308	5.028	-.0046	.4846	.1021
Stddev	.0042	.0057	.007	.0018	.0011	.015	.0048	.0016	.0003
%RSD	493.6	138.6	.2582	3.872	.8263	.3026	105.9	.3235	.2499
#1	.0046	-.0020	2.619	.0463	.1320	5.016	-.0010	.4858	.1023
#2	-.0036	-.0051	2.612	.0433	.1301	5.045	-.0069	.4853	.1022
#3	.0016	-.0093	2.625	.0464	.1302	5.023	-.0078	.4829	.1018
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2638.5	5468.5	42142.	2628.1					
Stddev	3.8	11.4	367.	14.8					
%RSD	.14226	.20853	.87142	.56250					
#1	2634.7	5464.4	42433.	2622.9					
#2	2642.1	5481.4	41729.	2644.7					
#3	2638.8	5459.7	42264.	2616.6					

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Sample Name: FA32307-10 Acquired: 5/5/2016 14:09:26 Type: Unk
Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0006	244.2	.0299	3.258	.0058	109.4	.0007	.0554	.2850
Stddev	.0008	.7	.0047	.008	.0004	.2	.0002	.0006	.0030
%RSD	122.1	.2844	15.65	.2580	6.056	.1987	28.46	1.112	1.042
#1	.0014	244.9	.0267	3.263	.0062	109.3	.0006	.0547	.2885
#2	.0007	244.2	.0277	3.264	.0055	109.6	.0009	.0558	.2836
#3	-.0002	243.5	.0352	3.249	.0059	109.2	.0005	.0557	.2831
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2475	185.3	20.80	24.77					

Sample Name: CCV Acquired: 5/5/2016 14:13:46 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2537	41.14	1.980	2.057	2.089	41.77	2.029	2.032	2.029
Stddev	.0024	.23	.005	.012	.015	.27	.006	.005	.025
%RSD	.9462	.5521	.2765	.5655	.7241	.6396	.3116	.2322	1.206
#1	.2555	41.35	1.982	2.069	2.106	42.06	2.025	2.027	2.030
#2	.2510	41.17	1.974	2.056	2.085	41.74	2.025	2.031	2.004
#3	.2547	40.90	1.985	2.046	2.077	41.53	2.036	2.036	2.053

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.040	39.75	41.52	41.47	2.046	2.017	40.41	2.011	1.997
Stddev	.027	.15	.26	.33	.023	.005	.10	.006	.007
%RSD	1.321	.3705	.6184	.7907	1.112	.2560	.2422	.3174	.3297
#1	2.065	39.89	41.77	41.78	2.047	2.012	40.51	2.005	1.990
#2	2.011	39.77	41.54	41.50	2.022	2.016	40.41	2.010	1.998
#3	2.043	39.60	41.26	41.13	2.068	2.022	40.32	2.018	2.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.987	2.015	1.564	2.051	2.073	2.021	2.007	2.005	2.005
Stddev	.007	.004	.004	.002	.012	.022	.006	.023	.009
%RSD	.3388	.1792	.2292	.1139	.5927	1.107	.3034	1.130	.4486
#1	1.980	2.012	1.561	2.049	2.085	2.025	2.007	2.010	1.999
#2	1.988	2.013	1.562	2.051	2.072	1.996	2.001	1.980	2.000
#3	1.993	2.019	1.568	2.053	2.061	2.040	2.014	2.025	2.015

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 5/5/2016 14:13:46 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2392.6	5222.0	41009.	2634.6
Stddev	5.3	10.0	509.	11.3
%RSD	.22022	.19225	1.2402	.42859
#1	2397.8	5233.3	40698.	2631.5
#2	2392.7	5218.5	41596.	2625.2
#3	2387.2	5214.2	40733.	2647.1

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.040	39.75	41.52	41.47	2.046	2.017	40.41	2.011	1.997
Stddev	.027	.15	.26	.33	.023	.005	.10	.006	.007
%RSD	1.321	.3705	.6184	.7907	1.112	.2560	.2422	.3174	.3297
#1	2.065	39.89	41.77	41.78	2.047	2.012	40.51	2.005	1.990
#2	2.011	39.77	41.54	41.50	2.022	2.016	40.41	2.010	1.998
#3	2.043	39.60	41.26	41.13	2.068	2.022	40.32	2.018	2.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.987	2.015	1.564	2.051	2.073	2.021	2.007	2.005	2.005
Stddev	.007	.004	.004	.002	.012	.022	.006	.023	.009
%RSD	.3388	.1792	.2292	.1139	.5927	1.107	.3034	1.130	.4486
#1	1.980	2.012	1.561	2.049	2.085	2.025	2.007	2.010	1.999
#2	1.988	2.013	1.562	2.051	2.072	1.996	2.001	1.980	2.000
#3	1.993	2.019	1.568	2.053	2.061	2.040	2.014	2.025	2.015

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 5/5/2016 14:17:57 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.113	0.012	0.006	0.004	0.138	0.003	0.003	0.003
Stddev	.0002	.0035	.0008	.0001	.0001	.0006	.0000	.0001	.0001
%RSD	102.3	30.46	68.50	18.81	23.74	4.039	7.861	44.33	54.05
#1	-0.002	0.088	0.012	0.007	0.005	0.134	0.003	0.003	0.004
#2	-0.004	0.100	0.004	0.007	0.004	0.145	0.003	0.004	0.002
#3	0.000	0.153	0.020	0.005	0.003	0.137	0.003	0.001	0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.001	0.0210	-0.0148	0.0220	0.005	0.0014	-0.0138	0.001	-0.003
Stddev	.0001	.0048	.0257	.0162	.0000	.0002	.0064	.0001	.0006
%RSD	159.0	23.01	173.2	73.32	6.995	15.91	46.80	41.16	204.1
#1	.001	.0266	.0140	.0034	.0005	.0017	-.0114	.0001	.0004
#2	.0000	.0186	-.0352	.0300	.0004	.0013	-.0211	.0001	-.0008
#3	.0001	.0179	-.0233	.0327	.0004	.0012	-.0089	.0002	-.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.010	-0.0004	0.015	0.003	0.005	0.012	0.002	0.004	0.008
Stddev	.0008	.0004	.0002	.0002	.0000	.0001	.0001	.0000	.0001
%RSD	76.49	89.10	15.61	55.35	6.108	9.113	44.19	10.63	7.171
#1	.0009	-.0007	.0014	.0004	.0005	.0013	.0002	.0004	.0008
#2	.0018	-.0005	.0014	.0005	.0005	.0011	.0002	.0004	.0008
#3	.0003	.0000	.0018	.0001	.0004	.0011	.0001	.0003	.0007

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 5/5/2016 14:17:57 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2848.1	5494.2	43185.	2673.4
Stddev	6.8	6.3	168.	31.5
%RSD	.23978	.11441	.38891	1.1787
#1	2843.2	5494.8	42993.	2678.1
#2	2855.9	5500.1	43262.	2639.8
#3	2845.2	5487.6	43301.	2702.3

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.001	0.0210	-0.0148	0.0220	0.005	0.0014	-0.0138	0.001	-0.003
Stddev	.0001	.0048	.0257	.0162	.0000	.0002	.0064	.0001	.0006
%RSD	159.0	23.01	173.2	73.32	6.995	15.91	46.80	41.16	204.1
#1	.001	.0266	.0140	.0034	.0005	.0017	-.0114	.0001	.0004
#2	.0000	.0186	-.0352	.0300	.0004	.0013	-.0211	.0001	-.0008
#3	.0001	.0179	-.0233	.0327	.0004	.0012	-.0089	.0002	-.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.010	-0.0004	0.015	0.003	0.005	0.012	0.002	0.004	0.008
Stddev	.0008	.0004	.0002	.0002	.0000	.0001	.0001	.0000	.0001
%RSD	76.49	89.10	15.61	55.35	6.108	9.113	44.19	10.63	7.171
#1	.0009	-.0007	.0014	.0004	.0005	.0013	.0002	.0004	.0008
#2	.0018	-.0005	.0014	.0005	.0005	.0011	.0002	.0004	.0008
#3	.0003	.0000	.0018	.0001	.0004	.0011	.0001	.0003	.0007

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: FA32307-13 Acquired: 5/5/2016 14:22:29 Type: Unk
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	188.1	0.270	1.156	0.046	30.88	-0.015	0.412	2.894
Stddev	.0020	1.4	.0010	.010	.0004	.20	.0002	.0006	.0010
%RSD	574.6	.7457	3.598	.8551	9.786	.6467	12.35	1.376	.3454
#1	.0014	189.0	.0280	1.165	.0045	30.87	-.0016	.0406	.2891
#2	-.0024	186.5	0.271	1.146	.0041	30.68	-.0013	.0417	.2886
#3	.0000	188.8	0.260	1.158	.0050	31.08	-.0017	.0411	.2905
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	1.034	170.6	17.61	22.90	2.968	0.092	2.383	1.414	4.749
Stddev	.0002	1.4	.19	.10	.006	.0009	.028	.0008	.0074
%RSD	.2016	.7970	1.079	.4320	.2201	9.740	1.157	.5405	1.561
#1	.1033	172.0	17.77	22.88	2.966	.0102	2.412	1.406	.4667
#2	.1032	169.3	17.40	22.81	2.962	.0090	2.378	1.415	.4770
#3	.1036	170.7	17.66	23.01	2.975	.0085	2.358	1.421	.4811
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.182	-0.102	4.070	0.437	1.054	4.670	-0.120	3.887	1.457
Stddev	.0042	.0065	.011	.0010	.007	.010	.0095	.0007	.0010
%RSD	22.91	63.85	.2601	2.283	.6862	.2082	79.27	.1847	.7080
#1	.0229	-.0028	4.066	.0435	1.058	4.667	-.0205	.3892	.1449
#2	.0169	-.0126	4.062	.0429	1.046	4.663	-.0017	.3889	.1453
#3	.0148	-.0152	4.082	.0449	1.058	4.681	-.0140	.3879	.1469
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2651.7	5478.4	4251.7	2644.0					
Stddev	1.3	10.3	46	21.3					
%RSD	.04932	.18797	.10754	.80529					
#1	2650.6	5490.1	4248.7	2630.5					
#2	2651.4	5474.4	4257.0	2668.5					
#3	2653.1	5470.7	4249.5	2633.0					

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Sample Name: FA32307-16 Acquired: 5/5/2016 14:26:49 Type: Unk
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	162.6	.0287	.7996	.0046	16.42	-0.011	0.424	2.839
Stddev	.0007	.2	.0037	.0024	.0002	.04	.0005	.0002	.0009
%RSD	421.3	.1348	12.95	.2983	4.505	.2392	43.03	.4511	.3028
#1	-.0006	162.8	.0315	.7991	.0047	16.47	-.0008	.0422	.2848
#2	.0002	162.5	.0300	8022	.0043	16.39	-.0008	.0424	.2838
#3	.0009	162.4	.0245	.7975	.0047	16.40	-.0016	.0426	.2831
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	1.509	154.9	20.60	16.06	1.637	0.059	2.172	1.245	1.993
Stddev	.0015	.3	.11	.05	.001	.0003	.050	.0008	.002
%RSD	.9956	.1798	.5142	.3226	.0322	4.392	2.279	.6732	.0852
#1	.1507	155.0	20.60	16.04	1.637	.0056	2.223	1.253	1.994
#2	.1494	154.5	20.49	16.03	1.638	.0061	2.167	1.245	1.992
#3	.1524	155.0	20.70	16.12	1.637	.0060	2.124	1.236	1.991
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.150	-0.018	1.730	0.363	1.051	3.734	-0.094	3.360	1.854
Stddev	.0033	.0031	.004	.0011	.0023	.005	.0033	.0021	.0013
%RSD	22.11	168.4	.2033	3.071	.3774	.1287	35.05	.6204	.7267
#1	.0138	-.0036	1.729	.0375	.6070	3.730	-.0125	.3354	.1839
#2	.0125	-.0036	1.734	.0353	.6057	3.734	-.0098	.3394	.1857
#3	.0188	-.0017	1.728	.0361	.6026	3.739	-.0059	.3387	.1865
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2709.6	5556.9	4361.4	2703.0					
Stddev	9.6	13.9	163	17.8					
%RSD	.35398	.25013	.37451	.65812					
#1	2698.6	5540.9	4355.0	2722.3					
#2	2714.0	5566.1	4380.0	2699.3					
#3	2716.3	5563.7	4349.3	2687.3					

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Sample Name: FA32307-19 Acquired: 5/5/2016 14:31:10 Type: Unk
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.003	158.8	0.213	8.249	0.028	19.10	-0.017	0.246	1.936
Stddev	.0019	.6	.0038	.0035	.0005	.09	.0003	.0005	.0007
%RSD	702.9	.3544	17.68	.4302	19.46	.4955	16.78	2.109	.3587
#1	.0025	158.4	.0251	8.225	.0034	19.00	-.0017	.0251	.1943
#2	-.0011	158.7	.0176	8.232	.0023	19.12	-.0020	.0248	.1936
#3	-.0006	159.5	.0212	8.290	.0027	19.19	-.0014	.0241	.1929
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.475	146.2	13.53	11.39	1.709	0.088	1.576	1.123	2.006
Stddev	.0010	.4	.05	.10	.003	.0008	.004	.0004	.0007
%RSD	2.165	.2625	.3920	.8854	.1732	9.192	.2503	.3530	.3621
#1	.0475	145.7	13.47	11.37	1.708	.0085	1.578	.1126	.2003
#2	.0485	146.4	13.54	11.29	1.712	.0097	1.579	.1118	.2001
#3	.0465	146.4	13.57	11.49	1.706	.0082	1.571	.1124	.2014
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.049	-0.021	2.691	0.358	2.917	3.948	-0.053	3.740	1.351
Stddev	.0058	.0049	.003	.0021	.0022	.012	.0049	.0017	.0008
%RSD	118.4	235.1	.1108	5.958	.7552	.3087	92.60	.4544	.5820
#1	.0086	.0006	2.691	.0383	.2907	3.940	-.0053	.3734	.1349
#2	.0079	.0008	2.695	.0346	.2902	3.962	-.0103	.3727	.1300
#3	-.0018	-.0077	2.689	.0346	.2942	3.942	-.0004	.3760	.1344
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2716.3	5546.1	4319.6	2701.8					
Stddev	5.6	6.4	44	33.0					
%RSD	.20462	.11526	.10283	1.2221					
#1	2722.5	5548.7	4323.3	2739.6					
#2	2714.6	5550.7	4314.7	2687.2					
#3	2711.8	5538.8	4320.8	2678.7					

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Sample Name: FA32307-22 Acquired: 5/5/2016 14:35:35 Type: Unk
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	182.6	0.237	9.356	0.040	19.19	-0.022	0.251	1.215
Stddev	.0007	.4	.0019	.0019	.0002	.12	.0002	.0003	.0008
%RSD	287.5	.1963	8.098	.2006	5.876	6.089	9.718	1.172	.3648
#1	.0006	183.0	.0237	9.366	.0041	19.31	-.0023	.0250	.2126
#2	-.0006	182.5	.0257	9.368	.0038	19.08	-.0019	.0254	.2117
#3	-.0007	182.3	.0218	9.334	.0042	19.19	-.0022	.0249	.2133
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.380	173.9	13.41						

Sample Name: MP30322-PS1 Acquired: 5/5/2016 14:39:57 Type: Unk
Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0477	228.8	1310	2.735	.0605	72.36	.0514	1.059	.3635
Stddev	.0003	1.8	.0031	.013	.0006	.62	.0003	.0003	.0014
%RSD	.5750	.8063	2.343	.4636	.9135	.8558	.5730	.2492	.3722
#1	.0479	230.1	1280	2.746	.0606	72.73	.0515	1.062	.3622
#2	.0474	229.7	1309	2.739	.0610	72.72	.0510	1.057	.3633
#3	.0478	226.7	1342	2.721	.0599	71.65	.0515	1.058	.3649
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2519	192.3	32.19	27.45	5.079	1.107	13.01	2.851	3.865
Stddev	.0007	1.1	.51	.26	.021	.0012	.07	.0011	.0028
%RSD	.2841	.5766	1.571	.9562	.4113	1.053	.5020	.3835	.7238
#1	.2526	193.2	32.14	27.42	5.061	1.110	13.08	2.853	3.859
#2	.2511	192.8	32.73	27.72	5.102	1.117	12.99	2.839	3.841
#3	.2521	191.1	31.72	27.20	5.075	1.094	12.96	2.861	3.896
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	1.077	0.950	2.265	0.837	4.955	0.922	4.854	4.854	4.854
Stddev	.0038	.0046	.004	.0011	.0056	.017	.0061	.0008	.0002
%RSD	3.505	4.791	1.818	1.336	5.899	3.342	6.640	1.747	.0420
#1	1.046	0.989	2.260	0.824	4.948	4.936	4.851	4.851	4.858
#2	1.066	0.961	2.266	0.842	4.962	4.962	4.848	4.848	4.860
#3	1.119	0.900	2.268	0.844	4.967	4.967	4.864	4.864	4.856
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2622.7	5441.8	42429.	2681.3					
Stddev	1.6	4.2	62.	32.4					
%RSD	.06118	.07667	.14557	1.2084					
#1	2621.1	5445.3	42358.	2665.1					
#2	2622.7	5443.0	42467.	2660.1					
#3	2624.3	5437.2	42463.	2718.6					

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Sample Name: FA32307-25 Acquired: 5/5/2016 14:44:17 Type: Unk
Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.008	276.1	.0326	2.485	.0068	61.64	-0.0012	.0583	.3479
Stddev	.0007	1.2	.0024	.010	.0004	.32	.0002	.0003	.0011
%RSD	97.64	4.243	7.231	.3895	5.309	.5198	12.28	.4858	.3156
#1	-0.005	277.0	.0332	2.493	.0072	62.00	-0.0012	.0581	.3483
#2	-0.0016	274.8	.0345	2.475	.0069	61.38	-0.0011	.0586	.3467
#3	-0.002	276.6	.0299	2.488	.0065	61.55	-0.0014	.0581	.3488
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.1405	226.4	19.79	20.71	5.617	0.124	2.426	2.018	4.321
Stddev	.0008	.8	.13	.25	.015	.0001	.015	.0010	.0026
%RSD	.5729	.3571	.6760	1.196	.2705	.7508	.6205	.5179	.5946
#1	1.1399	227.3	19.88	20.45	5.602	0.124	2.408	2.009	4.330
#2	1.1414	225.7	19.64	20.73	5.632	0.124	2.436	2.030	4.340
#3	1.1402	226.1	19.86	20.94	5.617	0.123	2.433	2.017	4.291
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.019	-0.042	4.360	0.502	8.216	6.317	-0.084	5.235	2.472
Stddev	.0045	0.0122	.006	.0020	.0024	.015	.0019	.0018	.0009
%RSD	236.8	293.3	1.476	3.976	2.964	2.393	22.36	3.427	.3619
#1	-0.031	-0.049	4.353	0.509	8.231	6.299	-0.063	5.228	2.462
#2	0.032	-0.066	4.363	0.479	8.188	6.324	-0.100	5.255	2.479
#3	0.056	0.091	4.365	0.517	8.229	6.326	-0.089	5.221	2.476
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2601.8	5393.8	42217.	2660.5					
Stddev	5.8	5.7	16.	4.7					
%RSD	.22131	.10565	.03683	.17649					
#1	2603.7	5393.8	42225.	2655.1					
#2	2595.4	5388.2	42199.	2663.8					
#3	2606.4	5399.6	42227.	2662.6					

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Sample Name: FA32307-28 Acquired: 5/5/2016 14:48:38 Type: Unk
Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0011	197.1	0.255	3.585	0.049	109.1	0.004	0.0516	2.602
Stddev	.0012	1.1	.0053	.016	.0007	.2	.0001	.0004	.0009
%RSD	102.3	5514	20.85	4.335	14.69	2.236	31.80	.7921	3.289
#1	.0025	196.2	0.195	3.578	.0057	108.9	.0003	0.0512	2.607
#2	.0006	196.8	0.297	3.574	.0043	109.0	.0005	0.0514	2.607
#3	.0004	198.3	0.272	3.603	.0048	109.3	.0003	0.0520	2.592
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.1460	188.1	15.88	19.36	7.086	0.088	1.749	1.756	6.266
Stddev	.0014	.7	.11	.21	.022	.0002	.006	.0010	.0029
%RSD	.9809	.3729	.7204	1.080	.3056	2.408	.3574	.5626	.4589
#1	1.1477	187.7	15.75	19.21	7.111	.0086	1.754	1.751	6.252
#2	1.1454	187.8	15.94	19.26	7.074	.0090	1.749	1.750	6.247
#3	1.1451	188.9	15.95	19.60	7.072	.0089	1.742	1.768	6.300
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.0050	-0.0111	4.375	0.388	1.340	4.987	-0.0059	4.621	2.642
Stddev	.0021	.0052	.007	.0008	.011	.015	.0029	.0005	.0013
%RSD	42.18	46.54	1.679	2.096	.8290	2.989	49.26	1.166	.5096
#1	.0053	-0.0171	4.369	.0379	1.334	5.004	-0.0060	4.627	2.640
#2	.0028	-0.0081	4.374	.0395	1.333	4.977	-0.0030	4.618	2.630
#3	.0070	-0.0082	4.383	.0390	1.352	4.980	-0.0088	4.618	2.656
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2650.8	5510.1	42969.	2684.0					
Stddev	6.5	3.6	222.	19.2					
%RSD	.24554	.06524	.51603	.71500					
#1	2657.3	5513.9	42756.	2705.6					
#2	2650.8	5509.5	42952.	2668.9					
#3	2644.3	5506.8	43198.	2677.5					

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Sample Name: FA32307-31 Acquired: 5/5/2016 14:53:00 Type: Unk
Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0006	204.1	0.239	3.262	0.051	116.3	-0.0005	0.0523	2.420
Stddev	.0013	.2	.0014	.021	.0003	.3	.0003	.0002	.0011
%RSD	227.7	0.812	5.847	6.356	5.310	25.12	64.54	2.964	4.370
#1	.0020	204.2	0.238	3.280	.0049	116.6	-0.0005	0.0522	2.410
#2	-0.0004	204.1	0.254	3.239	.0049	116.4	-0.0001	0.0525	2.420
#3	.0001	203.9	0.226	3.266	.0054	116.0	-0.0007	0.0523	2.431
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.1328	189.2	18.61	21.90	5.875	0.094	2.063	1.840	5.130
Stddev	.0004	.3	.02	.12	.029	.0001	.031	.0020	.0044
%RSD	.2913	1.779	1.163	5.425	.4857	1.063	1.522	1.075	.8554
#1	1.1332	189.6	18.63	21.98	5.887	.0093	2.059	1.818	5.081
#2	1.1325	189.0	18.59	21.96	5.843	.0094	2.033	1.848	5.148
#3	1.1325	189.0	18.60	21.76	5.896	.0095	2.095	1.855	5.163
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2						

Sample Name: FA32307-32 Acquired: 5/5/2016 14:57:21 Type: Unk
Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0002	233.8	.0282	2.055	.0057	66.98	-.0019	.0547	.2888
Stddev	.0008	1.1	.0061	.006	.0006	.34	.0002	.0001	.0019
%RSD	360.6	.4838	21.55	.2708	11.01	.5067	9.781	.1676	.6464
#1	.0005	234.8	.0212	2.061	.0050	67.21	-.0017	.0546	.2902
#2	.0009	234.0	.0325	2.056	.0062	67.14	-.0019	.0548	.2867
#3	-.0007	232.6	.0308	2.049	.0057	66.59	-.0020	.0547	.2896
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0717	218.5	17.83	17.87	3.925	0.124	2.064	.1917	.1620
Stddev	.0003	1.3	.20	.20	.009	.0002	.046	.0004	.0039
%RSD	.4783	.5785	1.136	1.119	.2170	1.418	2.244	.2345	2.393
#1	.0713	219.3	18.06	17.73	3.924	.0122	2.082	.1922	.1629
#2	.0718	219.2	17.76	18.10	3.917	.0123	2.011	.1916	.1653
#3	.0719	217.0	17.67	17.78	3.934	.0126	2.099	.1914	.1577
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0028	-.0089	2.464	.0419	.9586	6.073	-.0092	.5439	.1657
Stddev	.0034	.0117	.004	.0006	.0048	.008	.0058	.0009	.0010
%RSD	121.0	132.0	.1411	1.543	.4961	.1391	6.825	.1582	.5984
#1	.0002	.0045	2.465	.0422	.9641	6.067	-.0157	.5430	.1647
#2	.0066	-.0172	2.460	.0425	.9561	6.068	-.0068	.5447	.1656
#3	.0015	-.0140	2.466	.0412	.9557	6.082	-.0050	.5440	.1667
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2661.4	5490.9	43125.	2724.9					
Stddev	8.3	17.3	53.	23.2					
%RSD	.31192	.31532	.12372	.85271					
#1	2670.1	5492.6	43186.	2712.0					
#2	2660.7	5507.4	43091.	2711.0					
#3	2653.5	5472.9	43097.	2751.8					

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Sample Name: FA32307-37 Acquired: 5/5/2016 15:01:43 Type: Unk
Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0004	141.5	.0219	1.820	.0031	79.12	.0003	.0245	.1767
Stddev	.0010	.2	.0047	.003	.0000	.59	.0004	.0001	.0004
%RSD	243.0	.1472	21.46	.1770	1.437	.7437	108.9	.5844	.2545
#1	.0015	141.5	.0205	1.816	.0030	79.20	.0004	.0243	.1761
#2	-.0002	141.3	.0272	1.819	.0031	78.50	.0007	.0245	.1769
#3	-.0001	141.7	.0181	1.823	.0030	79.66	.0000	.0246	.1769
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.317	138.9	19.05	16.86	1.630	.0072	2.208	.1279	7.710
Stddev	.023	.3	.16	.09	.005	.0003	.057	.0009	.016
%RSD	1.001	.2227	.8500	.5066	.3273	3.986	2.572	.6767	.2133
#1	2.328	139.1	18.87	16.76	1.624	.0071	2.223	.1273	7.724
#2	2.334	138.6	19.17	16.91	1.634	.0075	2.146	.1275	7.692
#3	2.291	139.1	19.13	16.91	1.632	.0070	2.256	.1289	7.715
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0177	-.0032	5.644	.0587	1.101	4.032	-.0064	.3735	.5747
Stddev	.0028	.0038	.003	.0007	.002	.004	.0074	.0019	.0019
%RSD	16.05	120.9	.0576	1.130	.2072	.1071	115.1	.4972	.3324
#1	.0206	.0009	5.648	.0580	1.103	4.029	-.0117	.3718	.5763
#2	.0176	-.0066	5.642	.0590	1.098	4.037	-.0094	.3734	.5752
#3	.0149	-.0037	5.642	.0593	1.101	4.031	.0020	.3755	.5726
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2679.2	5463.1	42919.	2715.3					
Stddev	4.4	8.0	123.	14.8					
%RSD	.16564	.14700	.28600	.54511					
#1	2675.9	5455.7	43056.	2717.0					
#2	2684.3	5461.9	42820.	2729.1					
#3	2677.5	5471.6	42880.	2699.7					

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7.2
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Sample Name: CCV Acquired: 5/5/2016 15:06:03 Type: QC
Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2557	41.03	1.975	2.035	2.075	41.61	2.028	2.028	2.045
Stddev	.0009	.12	.003	.008	.010	.19	.001	.003	.007
%RSD	.3622	.2827	.1636	.3774	.5000	.4567	.0457	.1524	.3623
#1	.2564	40.97	1.979	2.028	2.066	41.41	2.028	2.026	2.052
#2	.2546	41.16	1.973	2.043	2.087	41.79	2.029	2.031	2.044
#3	.2561	40.95	1.974	2.034	2.073	41.64	2.027	2.027	2.037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.047	39.75	41.28	41.43	2.059	2.012	40.37	2.010	2.000
Stddev	.007	.12	.17	.24	.006	.003	.08	.002	.004
%RSD	.3579	.2904	.4090	.5912	.2995	.1642	.1881	.0995	.2063
#1	2.045	39.68	41.11	41.22	2.065	2.008	40.39	2.012	2.004
#2	2.040	39.88	41.45	41.70	2.053	2.014	40.43	2.010	1.998
#3	2.055	39.69	41.27	41.36	2.058	2.014	40.28	2.008	1.996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.977	1.993	1.557	2.047	2.059	2.028	2.001	2.013	2.013
Stddev	.003	.003	.001	.001	.009	.006	.003	.007	.003
%RSD	.1470	.1511	.0830	.0493	.4383	.3118	.1593	.3504	.1662
#1	1.975	1.996	1.557	2.047	2.052	2.034	2.004	2.021	2.017
#2	1.977	1.993	1.557	2.048	2.069	2.021	2.000	2.007	2.011
#3	1.980	1.990	1.559	2.046	2.057	2.029	1.998	2.011	2.011
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 5/5/2016 15:06:03 Type: QC
Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2401.6	5241.9	40916.	2624.0
Stddev	6.8	11.7	79.	16.9
%RSD	.28316	.22250	.19245	.64575
#1	2409.4	5255.3	40828.	2643.4
#2	2396.7	5236.5	40943.	2615.6
#3	2398.7	5233.9	40978.	2612.8

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Sample Name: CCB Acquired: 5/5/2016 15:10:14 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0098	.0008	.0004	.0003	.0097	.0002	.0002	.0003
Stddev	.0003	.0095	.0002	.0002	.0000	.0021	.0000	.0001	.0001
%RSD	256.5	97.36	28.69	39.21	12.67	22.03	11.30	44.70	44.16
#1	-.0001	.0086	.0006	.0002	.0004	.0122	.0003	.0003	.0004
#2	-.0001	.0009	.0008	.0005	.0003	.0082	.0002	.0001	.0002
#3	.0004	.0199	.0011	.0006	.0003	.0088	.0002	.0003	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0190	-.0319	.0278	.0004	F-.0015	-.0278	.0001	-.0001
Stddev	.0000	.0027	.0164	.0157	.0000	.0002	.0098	.0002	.0003
%RSD	396.1	14.19	51.48	56.54	9.446	14.70	35.33	181.8	173.7
#1	.0001	.0221	-.0289	.0247	.0004	.0017	-.0314	.0002	.0000
#2	-.0001	.0174	-.0495	.0448	.0004	.0015	-.0167	.0002	-.0004
#3	.0000	.0175	-.0172	.0139	.0003	.0012	-.0353	-.0001	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-.0010			

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014	.0003	.0014	.0002	.0004	.0011	.0002	.0003	.0006
Stddev	.0006	.0022	.0003	.0002	.0001	.0001	.0004	.0002	.0000
%RSD	42.93	663.0	19.69	98.29	20.65	10.34	183.8	63.30	4.040
#1	.0020	.0007	.0012	.0005	.0004	.0012	.0002	.0006	.0005
#2	.0012	-.0020	.0013	.0001	.0003	.0010	-.0002	.0002	.0006
#3	.0009	.0023	.0017	.0001	.0004	.0010	.0006	.0002	.0005
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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7.2
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Sample Name: CCB Acquired: 5/5/2016 15:10:14 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2851.4	5510.1	43115.	2670.8
Stddev	2.3	5.2	79.	15.6
%RSD	.07997	.09444	.18234	.58408
#1	2850.3	5516.1	43149.	2660.5
#2	2854.1	5506.9	43025.	2663.2
#3	2849.9	5507.2	43171.	2688.8

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Sample Name: MP30322-D2 Acquired: 5/5/2016 15:14:48 Type: Unk
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0005	218.0	.0319	2.405	.0064	64.79	-.0003	.0512	.2964
Stddev	.0010	1.4	.0044	.013	.0001	.32	.0003	.0001	.0004
%RSD	196.9	6456	13.68	.5447	1.905	4926	77.99	1.459	1.312
#1	.0017	219.0	.0342	2.419	.0065	65.03	-.0001	.0511	.2968
#2	-.0004	218.6	.0268	2.402	.0064	64.92	-.0003	.0511	.2962
#3	.0003	216.4	.0345	2.394	.0063	64.43	-.0006	.0513	.2961
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1385	184.5	20.61	20.86	4.891	.0104	2.619	.1719	.3257
Stddev	.0014	.7	.18	.14	.006	.0007	.036	.0008	.0020
%RSD	1.007	.3999	.8662	.6707	.1284	6.973	1.384	.4641	.6244
#1	.1394	184.8	20.58	20.72	4.896	.0112	2.627	.1716	.3277
#2	.1392	185.0	20.45	20.86	4.884	.0098	2.650	.1712	.3257
#3	.1369	183.6	20.80	21.00	4.894	.0101	2.579	.1728	.3236
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0010	.0013	4.164	.0439	.8634	5.766	-.0066	.4335	.2163
Stddev	.0019	.0060	.009	.0006	.0063	.003	.0089	.0003	.0008
%RSD	197.6	461.7	.2097	1.427	.7240	.0535	133.8	.0807	.3904
#1	.0012	-.0040	4.156	.0446	.8699	5.763	-.0009	.4334	.2154
#2	.0027	.0001	4.164	.0433	.8628	5.769	-.0168	.4333	.2170
#3	-.0010	.0078	4.173	.0438	.8574	5.765	-.0022	.4339	.2165
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2634.1	5449.4	42566.	2697.4					
Stddev	7.5	9.3	19.	20.5					
%RSD	.28638	.17108	.04423	.76096					
#1	2640.7	5451.6	42545.	2705.1					
#2	2635.6	5457.4	42582.	2674.2					
#3	2625.9	5439.2	42570.	2713.0					

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Sample Name: FA32307-7 Acquired: 5/5/2016 15:19:10 Type: Unk
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0004	217.0	.1628	2.408	.0054	49.35	-.0017	.0485	.3107
Stddev	.0006	1.6	.0034	.018	.0001	.43	.0002	.0007	.0007
%RSD	172.0	.7372	2.118	.7484	1.614	.8676	9.991	1.441	.2385
#1	-.0002	218.5	.1588	2.426	.0055	49.81	-.0015	.0477	.3115
#2	-.0011	215.3	.1648	2.390	.0055	48.97	-.0018	.0488	.3102
#3	.0002	217.2	.1647	2.407	.0054	49.26	-.0018	.0490	.3103
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0906	226.9	17.07	18.29	4.038	.0138	2.089	.1796	.3021
Stddev	.0021	2.3	.05	.16	.010	.0006	.058	.0013	.0063
%RSD	2.334	1.001	.3055	.8625	.2385	4.444	2.789	.7295	2.070
#1	.0883	229.1	17.06	18.45	4.039	.0142	2.141	.1808	.3062
#2	.0924	224.6	17.01	18.13	4.028	.0141	2.026	.1782	.2949
#3	.0910	227.0	17.12	18.28	4.047	.0131	2.100	.1799	.3052
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0036	-.0057	5.814	.0459	.6700	6.191	-.0092	.5592	.2178
Stddev	.0038	.0043	.006	.0018	.0029	.007	.0006	.0019	.0003
%RSD	104.9	76.32	.1051	3.885	.4387	.1076	7.012	.3332	.1254
#1	.0070	-.0026	5.807	.0445	.6713	6.188	-.0085	.5595	.2177
#2	-.0004	-.0106	5.816	.0454	.6666	6.186	-.0098	.5573	.2181
#3	.0041	-.0037	5.818	.0479	.6721	6.199	-.0094	.5610	.2176
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2672.9	5513.5	43220.	2722.2					
Stddev	5.4	7.5	72.	25.7					
%RSD	.20072	.13636	.16547	.94370					
#1	2669.6	5506.3	43301.	2693.8					
#2	2679.1	5521.3	43167.	2743.9					
#3	2669.9	5512.8	43191.	2729.0					

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Sample Name: FA33541-3 Acquired: 5/5/2016 15:23:32 Type: Unk
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.013	2.762	.0012	.0671	.0002	152.8	-0.001	.0005	.0035
Stddev	.0008	.033	.0007	.0009	.0002	.5	.0001	.0002	.0003
%RSD	63.94	1.186	56.34	1.401	92.70	.3402	66.21	48.72	8.929
#1	-.0016	2.771	.0014	.0682	.0001	152.7	-.0000	.0003	.0032
#2	-.0003	2.790	.0018	.0665	.0004	152.3	-.0002	.0004	.0034
#3	-.0018	2.726	.0005	.0667	.0001	153.3	-.0002	.0007	.0038
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0002	2.597	2.228	7.330	.0639	-0.001	87.30	.0064	-0.016
Stddev	.0003	.019	.129	.059	.0003	.0002	.13	.0002	.0015
%RSD	145.4	.7342	5.798	.8005	.4229	272.6	.1494	3.825	93.05
#1	.0005	2.603	2.313	7.282	.0641	.0002	87.37	.0066	-.0033
#2	.0002	2.576	2.079	7.396	.0641	-.0003	87.15	.0065	-.0005
#3	-.0001	2.612	2.291	7.314	.0636	-.0002	87.37	.0061	-.0011
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.004	.0042	9.757	.0020	.0022	-0.020	.0332	.0022	.0016
Stddev	.0011	.0027	.020	.0004	.0010	.0001	.0023	.0002	.0002
%RSD	279.1	64.79	.2086	18.64	.4443	2.312	113.3	.6907	.7527
#1	-.0005	.0028	9.751	.0019	.2228	.0022	-.0031	.0331	.0202
#2	.0007	.0025	9.740	.0024	.2209	.0022	.0006	.0334	.0203
#3	-.0014	.0073	9.779	.0017	.2223	.0023	-.0036	.0330	.0200
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2552.8	5321.6	41664.	2659.9					
Stddev	10.8	15.8	138.	18.4					
%RSD	.42356	.29695	.33072	.69038					
#1	2556.8	5327.4	41560.	2677.3					
#2	2561.1	5333.6	41820.	2661.7					
#3	2540.6	5303.7	41612.	2640.7					

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7.2

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Sample Name: CRIA Acquired: 5/5/2016 15:28:02 Type: Unk
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0090	.2265	.0101	.2150	.0054	1.118	.0054	.0557	.0111
Stddev	.0005	.0058	.0010	.0005	.0001	.009	.0000	.0001	.0002
%RSD	6.090	2.550	10.01	.2429	1.150	.7751	.7221	.1495	1.659
#1	.0089	.2258	.0112	.2156	.0054	1.127	.0055	.0556	.0110
#2	.0095	.2326	.0098	.2146	.0054	1.111	.0054	.0556	.0113
#3	.0084	.2211	.0092	.2148	.0055	1.115	.0055	.0558	.0110
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0277	.3329	10.70	5.439	.0168	.0516	10.45	.0440	.0047
Stddev	.0002	.0029	.02	.025	.0001	.0002	.00	.0001	.0005
%RSD	.7522	.8716	.2274	.4637	.4096	.4597	.0411	.3001	10.26
#1	.0275	.3362	10.72	5.410	.0168	.0518	10.44	.0438	.0045
#2	.0277	.3313	10.69	5.448	.0168	.0514	10.45	.0440	.0044
#3	.0279	.3311	10.68	5.457	.0167	.0518	10.45	.0441	.0053
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0051	.0103	.0515	.0563	.0107	.0106	.0106	.0503	.0236
Stddev	.0007	.0006	.0007	.0006	.0001	.0000	.0016	.0003	.0000
%RSD	13.10	6.153	1.334	1.080	.6971	.3583	15.35	.5501	.1973
#1	.0043	.0097	.0522	.0565	.0107	.0106	.0098	.0500	.0235
#2	.0056	.0109	.0515	.0557	.0108	.0106	.0095	.0503	.0235
#3	.0053	.0102	.0508	.0568	.0106	.0105	.0124	.0505	.0236
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2703.1	5372.1	41885.	2650.7					
Stddev	4.5	14.7	281.	4.8					
%RSD	.16789	.27437	.67104	.17957					
#1	2703.8	5379.1	42209.	2645.8					
#2	2707.3	5382.1	41748.	2651.1					
#3	2698.3	5355.2	41700.	2655.3					

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Sample Name: ICSA Acquired: 5/5/2016 15:32:29 Type: Unk
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0004	F 513.4	.0010	.0012	-0.0001	F 501.3	-0.0011	.0000	-0.0001
Stddev	.0001	3.1	.0017	.0002	.0000	1.5	.0001	.0002	.0004
%RSD	28.79	.5959	174.9	17.80	17.26	.3079	7.055	327.9	375.4
#1	.0004	511.2	-.0009	.0010	-.0002	499.6	-.0011	.0001	.0003
#2	.0003	512.1	.0013	.0012	-.0001	502.6	-.0011	.0002	-.0001
#3	.0005	516.9	.0025	.0014	-.0001	501.7	-.0012	-.0001	-.0005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0016	185.7	-0.0095	F 530.9	-0.0004	-0.0001	1654.	.0002	.0034
Stddev	.0001	.9	.0406	1.6	.0000	.0003	.0117	.0001	.0002
%RSD	4.860	.4630	429.0	.2950	12.11	564.4	7.070	70.24	6.376
#1	.0016	185.5	-.0452	529.9	-.0004	-.0004	.1783	.0003	.0036
#2	.0016	185.0	-.0178	530.0	-.0003	.0002	.1621	.0003	.0033
#3	.0015	186.6	.0346	532.7	-.0004	.0000	.1557	.0000	.0032
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0021	-0.0008	.0244	.0019	.0001	.0010	.0006	.0009	-0.0019
Stddev	.0011	.0027	.0007	.0004	.0001	.0001	.0021	.0003	.0004
%RSD	53.01	352.4	2.886	23.77	42.50	5.236	352.6	30.66	19.36
#1	-.0034	.0012	.0250	.0014	.0002	.0010	.0026	.0011	-.0017
#2	-.0014	.0004	.0246	.0023	.0001	.0009	.0006	.0011	-.0017
#3	-.0015	-.0038	.0236	.0019	.0001	.0010	-.0015	.0006	-.0023
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2103.2	4858.8	37129.	2510.6					
Stddev	2.2	1.4	154.	10.2					
%RSD	.10532	.02927	.41408	.40528					
#1	2101.4	4859.5	36969.	2513.9					
#2	2105.7	4857.1	37275.	2518.8					
#3	2102.5	4859.7	37143.	2499.2					

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Sample Name: ICSAB Acquired: 5/5/2016 15:37:06 Type: Unk
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F 1.034	F 525.9	1.045	.5394	.5319	F 506.6	.9382	.4696	.5151
Stddev	.001	.6	.002	.0013	.0028	1.7	.0010	.0001	.0009
%RSD	.1059	.1048	.2181	.2453	.5321	.3265	.1065	.0253	.1802
#1	1.034	526.4	1.042	.5404	.5318	505.6	.9391	.4695	.5147
#2	1.035	525.8	1.046	.5379	.5291	508.5	.9371	.4697	.5145
#3	1.033	525.3	1.046	.5398	.5347	505.7	.9383	.4697	.5162
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5466	188.8	.0449	F 540.0	.5039	.9375	.1643	.9255	.9582
Stddev	.0005	.3	.0256	2.0	.0013	.0011			

Sample Name: CCV Acquired: 5/5/2016 15:41:33 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.550	41.32	1.947	2.055	2.101	42.03	2.006	2.015	2.048
Stddev	.0001	.18	.002	.007	.009	.23	.004	.003	.004
%RSD	.0261	.4287	.0836	.3428	.4107	.5511	.1790	.1282	.2204
#1	.2549	41.44	1.948	2.056	2.104	42.17	2.008	2.015	2.049
#2	.2550	41.41	1.945	2.061	2.108	42.16	2.002	2.013	2.052
#3	.2550	41.12	1.948	2.047	2.092	41.76	2.009	2.018	2.043

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.041	39.76	41.80	41.69	2.055	2.000	40.07	1.981	1.985
Stddev	.003	.18	.13	.17	.009	.002	.18	.002	.007
%RSD	.1481	.4424	.3002	.4016	.4346	.1076	.4490	.0880	.3328
#1	2.044	39.86	41.80	41.87	2.059	1.999	40.09	1.982	1.985
#2	2.042	39.87	41.93	41.67	2.061	1.999	40.23	1.979	1.978
#3	2.038	39.56	41.67	41.53	2.044	2.002	39.88	1.983	1.991

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.949	1.972	1.538	2.043	2.081	2.012	1.979	1.996	1.985
Stddev	.005	.004	.002	.001	.006	.005	.001	.002	.003
%RSD	.2515	.1877	.1094	.0648	.2856	.2502	.0575	.1121	.1681
#1	1.944	1.968	1.537	2.043	2.083	2.016	1.978	1.997	1.987
#2	1.953	1.973	1.540	2.044	2.086	2.014	1.978	1.998	1.981
#3	1.951	1.975	1.537	2.041	2.075	2.007	1.980	1.994	1.986

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 5/5/2016 15:41:33 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2392.4	5253.3	40352.	2563.3
Stddev	7.5	9.2	97.	1.5
%RSD	.31305	.17495	.24096	.05790
#1	2391.0	5254.3	40384.	2564.7
#2	2400.5	5261.9	40243.	2561.8
#3	2385.8	5243.6	40429.	2563.4

Sample Name: CCB Acquired: 5/5/2016 15:45:44 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	.0201	.0014	.0003	.0004	.0252	.0002	.0003	.0003
Stddev	.0001	.0025	.0004	.0004	.0001	.0021	.0000	.0000	.0000
%RSD	37.80	12.64	30.27	132.5	21.38	8.491	9.131	10.67	12.09
#1	-.0004	.0173	.0018	.0007	.0003	.0266	.0002	.0003	.0003
#2	-.0002	.0221	.0010	.0005	.0003	.0228	.0002	.0003	.0003
#3	-.0003	.0210	.0014	-.0002	.0004	.0263	.0002	.0002	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0309	-0.006	.0344	.0004	F .0015	-0.0039	.0003	.0005
Stddev	.0003	.0026	.0525	.0169	.0000	.0003	.0033	.0001	.0002
%RSD	233.5	8.309	8113.	49.04	6.963	22.41	85.92	51.57	31.94
#1	-.0001	.0335	-.0292	.0369	.0004	.0019	-.0016	.0004	.0006
#2	-.0002	.0284	.0599	.0499	.0004	.0014	-.0076	.0002	.0005
#3	-.0004	.0308	-.0327	.0164	.0003	.0013	-.0023	.0002	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019	-0.0003	.0012	.0005	.0004	.0010	-0.0004	.0005	.0007
Stddev	.0010	.0015	.0002	.0001	.0000	.0001	.0000	.0001	.0000
%RSD	52.25	591.4	18.09	25.24	13.74	9.988	8.800	22.10	5.063
#1	.0026	-.0017	.0014	.0004	.0003	.0011	-.0004	.0006	.0007
#2	.0025	.0013	.0011	.0006	.0004	.0011	-.0005	.0004	.0007
#3	.0008	-.0003	.0010	.0004	.0004	.0009	-.0004	.0004	.0006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 5/5/2016 15:45:44 Type: QC
 Method: 60102007_042011(v95) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2805.9	5429.7	42820.	2651.1
Stddev	1.4	4.2	49.	9.1
%RSD	.05076	.07752	.11402	.34211
#1	2804.7	5434.6	42803.	2648.2
#2	2807.4	5427.5	42781.	2661.3
#3	2805.4	5427.1	42875.	2643.9

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000003	0.000000	No
Al 396.152 {85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000064	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 {74}	<input checked="" type="checkbox"/>	1	Fe	-0.000000	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000094	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000000	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000009	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000110	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 {44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000003	0.000000	No
Na 589.592 {57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000035	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000028	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000027	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	0.000028	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000035	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	0.000006	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000013	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	5/5/2016 10:51:55	5/5/2016 10:25:51	Linear	1/Conc	-0.000195	0.557806	0.000000	1.000000
Al 396.152 { 85}	5/5/2016 10:51:55	5/5/2016 10:25:51	Linear	1/Conc	0.000047	0.235316	0.000000	1.000000
As 189.042 {478}	5/5/2016 10:51:55	5/5/2016 10:25:51	Linear	1/Conc	-0.000774	0.168958	0.000000	1.000000
Ba 455.403 { 74}	5/5/2016 10:51:55	5/5/2016 10:25:51	Linear	1/Conc	0.003750	9.624145	0.000000	1.000000
Be 313.042 {108}	5/5/2016 10:51:55	5/5/2016 10:25:51	Linear	1/Conc	0.002128	10.547544	0.000000	1.000000
Ca 317.933 {106}	5/5/2016 10:51:55	5/5/2016 10:25:51	Linear	1/Conc	0.003954	0.254519	0.000000	1.000000
Cd 226.502 {449}	5/5/2016 10:51:55	5/5/2016 10:25:51	Linear	1/Conc	-0.001304	4.302467	0.000000	1.000000
Co 228.616 {447}	5/5/2016 10:51:55	5/5/2016 10:25:51	Linear	1/Conc	-0.000724	2.432400	0.000000	1.000000
Cr 267.716 {126}	5/5/2016 10:51:55	5/5/2016 10:25:51	Linear	1/Conc	-0.000130	0.490983	0.000000	1.000000
Cu 324.754 {104}	5/5/2016 10:51:55	5/5/2016 10:25:51	Linear	1/Conc	0.006396	0.872088	0.000000	1.000000
Fe 259.940 {130}	5/5/2016 10:51:55	5/5/2016 10:25:51	Linear	1/Conc	0.000856	0.157936	0.000000	1.000000
In 230.606 {446}*	5/5/2016 10:51:55	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	5/5/2016 10:51:55	5/5/2016 10:25:51	Linear	1/Conc	-0.006173	0.108581	0.000000	1.000000
Mg 279.079 {121}	5/5/2016 10:51:55	5/5/2016 10:25:51	Linear	1/Conc	-0.000207	0.026455	0.000000	1.000000
Mn 257.610 {131}	5/5/2016 10:51:55	5/5/2016 10:25:51	Linear	1/Conc	0.000405	2.701037	0.000000	1.000000
Mo 202.030 {467}	5/5/2016 10:51:55	5/5/2016 10:25:51	Linear	1/Conc	0.001079	1.081642	0.000000	1.000000
Na 589.592 { 57}	5/5/2016 10:51:55	5/5/2016 10:25:51	Linear	1/Conc	-0.012348	0.422512	0.000000	1.000000
Ni 231.604 {445}	5/5/2016 10:51:55	5/5/2016 10:25:51	Linear	1/Conc	-0.000519	1.432873	0.000000	1.000000
Pb 220.353 {453}	5/5/2016 10:51:55	5/5/2016 10:25:51	Linear	1/Conc	0.000517	0.769609	0.000000	1.000000
Sb 206.833 {463}	5/5/2016 10:51:55	5/5/2016 10:25:51	Linear	1/Conc	0.000742	0.242881	0.000000	1.000000
Se 196.090 {472}	5/5/2016 10:51:55	5/5/2016 10:25:51	Linear	1/Conc	0.000018	0.121974	0.000000	1.000000
Si 212.412 {459}	5/5/2016 10:51:55	5/5/2016 10:25:51	Linear	1/Conc	0.004746	0.439712	0.000000	1.000000
Sn 189.989 {477}	5/5/2016 10:51:55	5/5/2016 10:25:51	Linear	1/Conc	0.000529	0.373038	0.000000	1.000000
Sr 407.771 { 83}	5/5/2016 10:51:55	5/5/2016 10:25:51	Linear	1/Conc	0.000008	16.825310	0.000000	1.000000
Ti 334.941 {101}	5/5/2016 10:51:55	5/5/2016 10:25:51	Linear	1/Conc	0.001141	1.926550	0.000000	1.000000
Tl 190.856 {477}	5/5/2016 10:51:55	5/5/2016 10:25:51	Linear	1/Conc	-0.001338	0.269007	0.000000	1.000000
V 292.402 {115}	5/5/2016 10:51:55	5/5/2016 10:25:51	Linear	1/Conc	-0.000679	0.668161	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	5/5/2016 10:51:55	5/5/2016 10:25:51	Linear	1/Conc	0.000964	2.124961	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999989	0.000025	0.000339	0.001132	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999877	0.005949	0.009170	0.030568	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999959	0.000123	0.000830	0.002767	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999973	0.005703	0.000285	0.000949	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999986	0.004541	0.000082	0.000274	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999938	0.004551	0.003929	0.013098	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999889	0.005182	0.000050	0.000167	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999935	0.002244	0.000099	0.000330	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999978	0.000265	0.000242	0.000808	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999992	0.000284	0.000203	0.000676	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999743	0.005763	0.003325	0.011083	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999795	0.003539	0.034799	0.115997	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999888	0.000638	0.025142	0.083807	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999809	0.004248	0.000039	0.000132	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999925	0.001065	0.000131	0.000436	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999828	0.012636	0.009436	0.031452	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999871	0.001852	0.000171	0.000570	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999899	0.000883	0.000602	0.002005	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999976	0.000135	0.000919	0.003064	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999964	0.000083	0.001667	0.005557	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.987983	0.005540	0.000358	0.001194	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999748	0.000675	0.000318	0.001061	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999969	0.010612	0.000102	0.000340	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999843	0.002753	0.000094	0.000312	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999978	0.000144	0.001011	0.003370	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999949	0.000537	0.000227	0.000756	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999921	0.002153	0.000077	0.000255	OK	1.000000	0.000000	1	0

Accutest Laboratories SE Metals Digestion Log Water

DOD+
(MS)

Method of digestion(circle one): SW846-3010A / SW846-3005A / EPA 200.7 / SM3030C

MP #: 30160
 Prep Date/Time (mm/dd/yy 24:00): 3/24/16 *8:25 8:40
 HotBlock I.D. 5
 Thermometer I.D. 204
 Correction Factor (°C) -1
 Temperature Observed/Corrected (°C) 96, 95
 Added^B: HNO₃
 Lot# 1115100

Volume
 Spk. Sol. ^A Used(ml) Pipette #
ACC 938 | 0.50 | 10
ACC 894 | 0.25 | 10
Met 5361 | 0.25 | 10
 Dig. Tube Lot#: J220264-261
HCL
4115080

Sample #	Initial Volume(ml)	pH<2	Final Volume(ml)	Comments
Method Blank(MB)	50.0	N/A	50.0	
Spike Blank(SB)		N/A		
Matrix Spike(MS)		✓		
Matrix Spike Dup(MSD)		✓		
Duplicate(DUP)		✓		
1 QC ^C FA32283-5 ^{D25}		✓		
2	1 14	✓		
3	2 15	✓		
4	3	✓		
5	4	✓		
6	6 ↓	✓		
7	8 B	✓		
8 FA32426-1	10	✓		
9 FA32437-1	5	✓		
10	2 ↓	✓		
11	3 ↓	✓		
12 FA32460-4	10	✓		
13	5 ↓	✓		
14	6 ↓	✓		
15 FA32302-2	25	✓		
16 FA32306-37	1	✓		
17 FA32307-40	1	✓		
18 FA32475-4	5	✓		
19 FA32476-1	11	✓		
20 ^D FA32316-2	4 ↓	✓	↓	
21 ^E				
22 ^E				
23 ^E				
24 ^E	DB			

Analyst: [Signature]
 QC Review: [Signature]

Date: 3/24/16
 Date: _____

A Used for SB, MS, MSD
 B For reagent volumes used consult SOP MET 103, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional matrix QC

icpwaterdigestionlog091113.xls

* DB 3/24/16

7.3.1
7

Accutest Laboratories SE Metals Digestion Log Soil

MP #: 30322

Method of Digestion: SW846-3050B

Prep Date/Time (mm/dd/yy 24:00):	<u>5-5-16</u>	<u>08:00</u>	Spk. Sol. ^A	Volume Used(ml)	Pipette #
HotBlock I.D.	<u>6</u>		<u>ACC 938</u>	<u>0.50</u>	<u>10</u>
Thermometer I.D.	<u>6071</u>		<u>ACC 924</u>	<u>0.25</u>	<u>10</u>
Correction Factor (°C)	<u>-1</u>		<u>Met 5377</u>	<u>0.25</u>	<u>10</u>
Temperature Observed/Corrected (°C)	<u>92</u>	<u>91</u>	Filter Lot#:	<u>150928009</u>	
Balance I.D.	<u>ADVPRO 3</u>		Dig. Tube Lot#	<u>J220264-261</u>	
Added ^B :	<u>H₂O₂</u>	<u>HNO₃</u>	<u>HCL</u>	<u>PTFE Boiling Chips</u>	
Lot#	<u>157487</u>	<u>1115100</u>	<u>411500</u>	<u>R263-SK012</u>	

Sample #	Wt. g	Final Volume(ml)	Comments
Method Blank(MB)	5.00	<u>50</u> 100	<u>@ 5/23/16</u>
Spike Blank(SB)	5.00		
Matrix Spike(MS)	5.06		
Matrix Spike Dup(MSD)	5.14		
Duplicate(DUP)	5.08		
1 QC ^C FA32307-1	^D 5.13		
2	-4	5.08	
3	-7	5.06	
4	-10	5.18	
5	-13	5.01	
6	-16	5.09	
7	-19	5.06	
8	-22	5.22	
9	-25	5.10	
10	-28	5.06	
11	-31	5.00	
12	-32	5.08	
13	-37	5.20	
14 D2 (FA32307-1)	5.16		
15			
16			
17			
18			
19			
20			
21 ^E			
22 ^E			
23 ^E			
24 ^E			

Analyst: [Signature]
 QC Review: [Signature]

Date: 5-5-16

Date: 5/5/16

- A Used for SB, MS, MSD
 - B For reagent volumes used consult SOP MET 104, current revision
 - C Parent sample used to prepare MS, MSD, DUP
 - D Bottle Number
 - E Additional Matrix QC
- icpsoildigestionlog012010.xls

Rev 01/20/10 DM

7.3.2
7

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*e-Hardcopy 2.0
Automated Report*

Technical Report for

Kemron Environmental Services, Inc

Ft Ord; CA

07202.2001

SGS Accutest Job Number: FA32429

Sampling Date: 03/16/16

Report to:

Kemron Environmental Services, Inc
4522 Joe Lloyd Way
Monterey, CA 93944
emiddleditch@gilbaneco.com

ATTN: Eric Middleditch

Total number of pages in report: 132



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Sue Bell 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001)
DoD ELAP (L-A-B L2229), CA (2937), TX (T104704404), PA (68-03573), VA (460177),
AK, AR, GA, KY, MA, NV, OK, UT, WA

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Test results relate only to samples analyzed.

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Sample Summary

Kemron Environmental Services, Inc

Job No: FA32429

Ft Ord; CA

Project No: 07202.2001

Sample Number	Collected		Matrix Code	Type	Client Sample ID
	Date	Time By			
FA32429-1	03/16/16	08:40 KLTR	03/18/16	SO Soil	01-02SC0000
FA32429-4	03/16/16	09:25 KLTR	03/18/16	SO Soil	01-10SC0000
FA32429-7	03/16/16	10:25 KLTR	03/18/16	SO Soil	01-01SC0000
FA32429-8	03/16/16	10:25 KLTR	03/18/16	SO Soil	01-01SC0000Q
FA32429-13	03/16/16	12:50 KLTR	03/18/16	SO Soil	WG-01SC0000
FA32429-16	03/16/16	14:55 KLTR	03/18/16	AQ Equipment Blank	WG-ER17
FA32429-17	03/16/16	08:45 KLTR	03/18/16	SO Soil	33-08SC0000
FA32429-18	03/16/16	08:45 KLTR	03/18/16	SO Soil	33-08SC0000Q
FA32429-23	03/16/16	10:15 KLTR	03/18/16	SO Soil	33-05SC0000
FA32429-26	03/16/16	10:55 KLTR	03/18/16	SO Soil	33-02SC0000
FA32429-29	03/16/16	11:30 KLTR	03/18/16	SO Soil	33-12SC0000
FA32429-32	03/16/16	13:35 KLTR	03/18/16	SO Soil	WG-09SC0000

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

2

Client: Kemron Environmental Services, Inc

Job No: FA32429

Site: Ft Ord; CA

Report Date: 5/9/2016 2:22:23 PM

12 Sample(s) were collected on 03/16/2016 and were received at SGS Accutest Southeast (SASE) on 03/18/2016 properly preserved, at 15.2 Deg. C and intact. These Samples received an SASE job number of FA32429. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix: AQ

Batch ID: MP30167

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA32364-4DUP, FA32364-4MS, FA32364-4MSD, FA32364-4PS, FA32364-4SDL were used as the QC samples for metals.

Matrix: SO

Batch ID: MP30325

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA32429-1DUP, FA32429-1MS, FA32429-1MSD, FA32429-1SDL, FA32429-1PS were used as the QC samples for metals.

MP30325-PS1 for Lead: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Kim Benham, Client Services (signature on file)

Date: May 9, 2016

Monday, May 09, 2016

Page 1 of 1

Summary of Hits

Job Number: FA32429
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 03/16/16



Lab Sample ID	Client Sample ID	Result/ Analyte	LOQ	LOD	Units	Method
FA32429-1	01-02SC0000					
Lead		15.8	2.0	0.39	mg/kg	SW846 6010C
FA32429-4	01-10SC0000					
Lead		84.8	2.0	0.40	mg/kg	SW846 6010C
FA32429-7	01-01SC0000					
Lead		81.2	1.9	0.38	mg/kg	SW846 6010C
FA32429-8	01-01SC0000Q					
Lead		57.2	2.0	0.39	mg/kg	SW846 6010C
FA32429-13	WG-01SC0000					
Lead		42.5	2.0	0.39	mg/kg	SW846 6010C
FA32429-16	WG-ER17					
No hits reported in this sample.						
FA32429-17	33-08SC0000					
Lead		7.5	1.9	0.38	mg/kg	SW846 6010C
FA32429-18	33-08SC0000Q					
Lead		22.4	2.0	0.40	mg/kg	SW846 6010C
FA32429-23	33-05SC0000					
Lead		12.3	1.9	0.38	mg/kg	SW846 6010C
FA32429-26	33-02SC0000					
Lead		9.8	1.9	0.38	mg/kg	SW846 6010C
FA32429-29	33-12SC0000					
Lead		2.3	2.0	0.40	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA32429
Account: Kemron Environmental Services, Inc
Project: Ft Ord; CA
Collected: 03/16/16



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA32429-32	WG-09SC0000					
Lead		6.7	1.9	0.39	mg/kg	SW846 6010C

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: 01-02SC0000	Date Sampled: 03/16/16
Lab Sample ID: FA32429-1	Date Received: 03/18/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.1
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	15.8	2.0	0.39	0.098	mg/kg	5	05/06/16	05/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13141

(2) Prep QC Batch: MP30325

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 01-10SC0000	Date Sampled: 03/16/16
Lab Sample ID: FA32429-4	Date Received: 03/18/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.2
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	84.8	2.0	0.40	0.10	mg/kg	5	05/06/16	05/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13141

(2) Prep QC Batch: MP30325

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 01-01SC0000	Date Sampled: 03/16/16
Lab Sample ID: FA32429-7	Date Received: 03/18/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.3
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	81.2	1.9	0.38	0.096	mg/kg	5	05/06/16	05/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13141

(2) Prep QC Batch: MP30325

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 01-01SC0000Q	Date Sampled: 03/16/16
Lab Sample ID: FA32429-8	Date Received: 03/18/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.4
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	57.2	2.0	0.39	0.098	mg/kg	5	05/06/16	05/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13141

(2) Prep QC Batch: MP30325

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: WG-01SC0000	Date Sampled: 03/16/16
Lab Sample ID: FA32429-13	Date Received: 03/18/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.5
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	42.5	2.0	0.39	0.098	mg/kg	5	05/06/16	05/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13141

(2) Prep QC Batch: MP30325

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: WG-ER17	Date Sampled: 03/16/16
Lab Sample ID: FA32429-16	Date Received: 03/18/16
Matrix: AQ - Equipment Blank	Percent Solids: n/a
Project: Ft Ord; CA	

4.6
4

Total Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.0 U	5.0	2.0	1.1	ug/l	1	03/25/16	03/25/16 LM	SW846 6010C ¹	SW846 3010A ²

(1) Instrument QC Batch: MA13059

(2) Prep QC Batch: MP30167

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-08SC0000	Date Sampled: 03/16/16
Lab Sample ID: FA32429-17	Date Received: 03/18/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.7
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	7.5	1.9	0.38	0.094	mg/kg	5	05/06/16	05/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13141

(2) Prep QC Batch: MP30325

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-08SC0000Q	Date Sampled: 03/16/16
Lab Sample ID: FA32429-18	Date Received: 03/18/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.8
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	22.4	2.0	0.40	0.10	mg/kg	5	05/06/16	05/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13141

(2) Prep QC Batch: MP30325

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-05SC0000	Date Sampled: 03/16/16
Lab Sample ID: FA32429-23	Date Received: 03/18/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.9
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	12.3	1.9	0.38	0.094	mg/kg	5	05/06/16	05/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13141

(2) Prep QC Batch: MP30325

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-02SC0000	Date Sampled: 03/16/16
Lab Sample ID: FA32429-26	Date Received: 03/18/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.10
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	9.8	1.9	0.38	0.095	mg/kg	5	05/06/16	05/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13141

(2) Prep QC Batch: MP30325

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-12SC0000	Date Sampled: 03/16/16
Lab Sample ID: FA32429-29	Date Received: 03/18/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.11
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.3	2.0	0.40	0.099	mg/kg	5	05/06/16	05/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13141

(2) Prep QC Batch: MP30325

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: WG-09SC0000	Date Sampled: 03/16/16
Lab Sample ID: FA32429-32	Date Received: 03/18/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.12
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	6.7	1.9	0.39	0.097	mg/kg	5	05/06/16	05/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13141

(2) Prep QC Batch: MP30325

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Misc. Forms**Custody Documents and Other Forms**

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # KL-031616-01

FA 32429



Project Name: Fort Ord D V H Z L G H S D Q J H \$ V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - \$ 5 \$	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Analytical Test Method SW6330B - Explosives SW6010C - Lead SW6330B - Explosives by ISM SW6010C - Lead by ISM	Code Matrix
		SO SOIL WQ WATER QUALITY CONTROL MATRIX
Equipment:		Code Container/Preservative
		2 2" 1L amber, 4 degrees C 1 1" 1.0-1.5 kilogram bag 13 1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016											
Sample ID	Matrix	Date	Time	Samp Init.					Location ID	Sample Type	Depth (ft bgs) Top - Bottom
① 01-02SC0000	SO	03/16/16	0840	KL			X		01-02	NL	0.0 0.5
② 01-02SC0001			0850				X		01-02	NL	1.0 1.5 HOLD
③ 01-02SC0002			0900				X		01-02	NL	2.0 2.5 HOLD
④ 01-10SC0000			0925				X		01-10	NL	0.0 0.5
⑤ 01-10SC0001			0940				X		01-10	NL	1.0 1.5 HOLD
⑥ 01-10SC0002			1000				X		01-10	NL	2.0 2.5 HOLD
⑦ 01-01SC0000			1025				X		01-01	NL	0.0 0.5
⑧ 01-01SC0000 Q			1025				X		01-01	FD	0.0 0.5
⑨ 01-01SC0001			1040				X		01-01	NL	1.0 1.5 HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	3/17/16	1230	FEDEX	3/17/16	1230	3/17/16 FEDEX 8088 8917 3523
<i>[Signature]</i>	3/17/16	1230	FX			
FX			J. CORNE (A/SR)	3-18-16	09:15	Received by Laboratory: (Signature, Date, Time) & condition

ENV COC_Record July 06, 2015

1A-6 15-2 1488

5.1
5

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # KL-031616-02

FA 32429



Project Name: Fort Ord % D V H Z L G H 5 D Q J H \$ V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - % 5 \$	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW8330B - Explosives SW6010C - Lead SW8330B - Explosives by ISM SW6010C - Lead by ISM	Code	Matrix
			SO	SOIL
			WQ	WATER QUALITY CONTROL MATRIX
			Code	Container/Preservative
			2	2" TL amber, 4 degree C
			1	1" 1.0-1.5 kilogram bag
			13	1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016									
Sample ID	Matrix	Date	Time	Samp Init.	Location ID	Sample Type	Depth (ft bgs)		
							Top	Bottom	
10 1 01-01SC0001Q	SO	03/16/16	1040	KL	01-01	FD	1.0	1.5	HOLD
11 2 01-01SC0002			1100		01-01	NL	2.0	2.5	HOLD
12 3 01-01SC0002Q			1100		01-01	FD	2.0	2.5	HOLD
13 4 WG-01SC0000			1250		WG-01	NL	0.0	0.5	
14 5 WG-01SC0001			1300		WG-01	NL	1.0	1.5	HOLD
15 6 WG-01SC0002			1315		WG-01	NL	2.0	2.5	HOLD
16 7 WG-ER17	WQ		1455		FIELDQC	EB	NA	NA	
17 8 33-08SC0000	SO		0845	TR	33-08	NL	0.0	0.5	
18 9 33-08SC0000Q	SO		0845	TR	33-08	FD	0.0	0.5	

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
KL Lemm	3/17/16	1230	FEDEX	3/17/16	1230	3/17/16 FEDEX 8088 8917 3523
FX	3/17/16	1230	FX			
			J. Corral (A4E)	3-18-16	09:15	
						Received by Laboratory: (Signature, Date, Time) & condition

5.1
5

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
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COC # KL-031616-03

FA32429



Project Name: Fort Ord 5 D V H Z L G H 5 D Q J H 5 V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - 5 5	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW8330B - Explosives SW6010C - Lead SW8330B - Explosives by ISM SW6010C - Lead by ISM	Code	Matrix
			SO	SOIL
			WQ	WATER QUALITY CONTROL MATRIX
			Code	Container/Preservative
			2	2" 1L amber, 4 degrees C
			1	1" 1.0-1.5 kilogram bag
			13	1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016										
Sample ID	Matrix	Date	Time	Samp Init.	Location ID	Sample Type	Depth (ft bgs)			
							Top	Bottom		
33-08SC0001	SO	03/16/16	0900	TR	33-08	N1	1.0	1.5	HOLD	
33-08SC0001Q			0900		33-08	FD	1.0	1.5	HOLD	
33-08SC0002			0915		33-08	N1	2.0	2.5	HOLD	
33-08SC0002Q			0915		33-08	FD	2.0	2.5	HOLD	
33-05SC0000			1015		33-05	N1	0.0	0.5		
33-05SC0001			1025		33-05	N1	1.0	1.5	HOLD	
33-05SC0002			1035		33-05	N1	2.0	2.5	HOLD	
33-02SC0000			1055		33-02	N1	0.0	0.5		
33-02SC0001			1105		33-02	N1	1.0	1.5	HOLD	

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	3/17/16	1630	FEDEX	3/17/16	1230	3/17/16 FEDEX 8088 8917 3523
<i>[Signature]</i>	3/17/16	1630	FX			
FX			J. Cornell (Alte)	3-18-16	09:15	Received by Laboratory: (Signature, Date, Time) & condition

5.1
5

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # KL-031616-04

1-8
FA32429



Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW8330B - Explosives SW6010C - Lead SW8330B - Explosives by ISM SW6010C - Lead by ISM	Code	Matrix
			SO	SOIL
			WQ	WATER QUALITY CONTROL MATRIX
			Code	Container/Preservative
			2	2" 1L amber, 4 degrees C
			1	1" 1.0-1.5 kilogram bag
			13	1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016											
Sample ID	Matrix	Date	Time	Samp Init.					Location ID	Sample Type	Depth (ft bgs) Top - Bottom
33-02SC0002	SO	03/16/16	1115	TR			X		33-02	NI	2.0 2.5 HOLD
33-12SC0000			1130				X		33-12		0.0 0.6
33-12SC0001			1140				X		33-12		1.0 1.5 HOLD
33-12SC0002			1152				X		33-12		2.0 2.5 HOLD
WG-09SC0000			1335				X		WG-09		0.0 0.5
WG-09SC0001			1345				X		WG-09		1.0 1.5 HOLD
WG-09SC0002			1400				X		WG-09		2.0 2.5 HOLD
8											
9											

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	3/17/16	1230	FEDEX	3/17/16	1230	3/17/16 FEDEX 8088 2917 3523
<i>[Signature]</i>	3/17/16	1230	Fx			
Fx			J. Conl (A/E)	3-18-16	09:15	
						Received by Laboratory: (Signature, Date, Time) & condition

5.1
5

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA32429 CLIENT: GILBANE PROJECT: FORT Dad
 DATE/TIME RECEIVED: 3-18-16 09:15 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 3
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER DELIVERY OTHER: _____
 AIRBILL NUMBERS: 8088 8917 8523

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM _____ 5-GRAM _____
 NUMBER OF 5035 FIELD KITS ? _____
 NUMBER OF LAB FILTERED METALS ? _____

TEST STRIP LOT#s pH 0-3 204413A pH 10-12 219813A OTHER (specify) _____

SUMMARY OF COMMENTS: SOIL RECEIVED ON PLASTIC BAGS

TEMPERATURE INFORMATION

- IR THERM ID 1 CORR. FACTOR +0.2
- OBSERVED TEMPS: 14.4 15.0 14.6
- CORRECTED TEMPS: 14.6 15.2 14.8 (USED FOR LIMS)

SAMPLE INFORMATION

- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- % SOLIDS JAR NOT RECEIVED
- RESIDUAL CHLORINE PRESENT LOT# _____

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

TECHNICIAN SIGNATURE/DATE Je 3-21-16 REVIEWER SIGNATURE/DATE _____

NF 11/15

receipt confirmation 111015.xls

5.1
5

ORIGIN ID: MRYA

SHIP DATE: 17MAR16
 ACTWT: 47.10 LB
 CAD: /POS1621
 DIMS: 18x14x10 IN

UNITED STATES US

TO **SAMPLE RECIEVING**
ACCUTEST LABS ORLANDO
4405 VINELAND RD
STE C15
ORLANDO FL 32811

(407) 426-6700 REF: DEPT:

FedEx
 Express

E

1 of 4
 TRK# 8088 8917 3523
 (0215)
 ## MASTER ##

XH TIXA

FRI - 18 MAR 10:30A
 PRIORITY OVERNIGHT

32811
 FL-US MCO




5.1
 5

FA32429: Chain of Custody
 Page 6 of 6

QC Evaluation: DOD QSM5 Limits

Job Number: FA32429
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 03/16/16

QC Sample ID	CAS#	Analyte	Sample Result Type	Result Type	Result	Units	Limits
MP30167 SW846 6010C							
MP30167-B1	7439-92-1	Lead	BSP	REC	101.8	%	86-113
MP30167-S1*	7439-92-1	Lead	MS	REC	103.2	%	86-113
MP30167-S2*	7439-92-1	Lead	MSD	REC	103.8	%	86-113
MP30167-S2*	7439-92-1	Lead	MSD	RPD	.6	%	20
MP30167-D1*	7439-92-1	Lead	DUP	RPD	0	%	20
MP30325 SW846 6010C							
MP30325-B1	7439-92-1	Lead	BSP	REC	97.4	%	81-112
MP30325-S1	7439-92-1	Lead	MS	REC	99.8	%	81-112
MP30325-S2	7439-92-1	Lead	MSD	REC	112	%	81-112
MP30325-S2	7439-92-1	Lead	MSD	RPD	5	%	20
MP30325-D1	7439-92-1	Lead	DUP	RPD	16.3	%	20
MP30325-D2	7439-92-1	Lead	DUP	RPD	7.3	%	20

5.2
5

* Sample used for QC is not from job FA32429

Metals Analysis

9

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32429
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032516M1.ICP Date Analyzed: 03/25/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13059
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:20	MA13059-STD1	1		STDA
09:24	MA13059-STD2	1		STDB
09:29	MA13059-STD3	1		STDC
09:32	MA13059-STD4	1		STDD
09:37	MA13059-HSTD1	1		
09:43	MA13059-ICV1	1		
09:52	MA13059-ICB1	1		
09:55	MA13059-CR1A1	1		
10:02	MA13059-ICSA1	1		
10:09	MA13059-ICSAB1	1		
10:16	MA13059-CCV1	1		
10:24	MA13059-CCB1	1		
10:29	ZZZZZZ	10		
10:34	ZZZZZZ	2		
10:38	ZZZZZZ	2		
10:45	FA32283-5	10		(sample used for QC only; not part of login FA32429)
10:50	MP30160-D1	10		
10:54	MP30160-S1	10		
10:59	MP30160-S2	10		
11:03	MP30160-PS1	10		
11:08	MP30160-SD1	50		
11:12	ZZZZZZ	1		
11:17	MA13059-CCV2	1		
11:21	MA13059-CCB2	1		
11:25	ZZZZZZ	1		
11:30	ZZZZZZ	1		
11:34	ZZZZZZ	5		
11:39	MP30167-MB1	1		
11:43	MP30167-B1	1		
11:48	FA32364-4	1		(sample used for QC only; not part of login FA32429)
11:52	MP30167-D1	1		
11:57	MP30167-SD1	5		
12:01	MP30167-PS1	1		

6.1
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32429
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032516M1.ICP Date Analyzed: 03/25/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13059
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:05	MP30167-S1	1		
12:10	MA13059-CCV3	1		
12:14	MA13059-CCB3	1		
12:18	MP30167-S2	1		
12:23	ZZZZZZ	1		
12:27	ZZZZZZ	1		
12:32	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:41	ZZZZZZ	1		
12:45	ZZZZZZ	1		
12:50	ZZZZZZ	1		
12:54	ZZZZZZ	1		
12:59	ZZZZZZ	1		
13:03	MA13059-CCV4	1		
13:08	MA13059-CCB4	1		
13:12	ZZZZZZ	1		
13:17	ZZZZZZ	1		
13:21	ZZZZZZ	1		
13:26	ZZZZZZ	1		
13:30	ZZZZZZ	1		
13:35	FA32429-16	1		
13:39	ZZZZZZ	1		
13:44	ZZZZZZ	1		
13:48	ZZZZZZ	1		
13:53	ZZZZZZ	1		
13:57	MA13059-CCV5	1		
14:02	MA13059-CCB5	1		
14:06	MP30167-MB2A	1		
----->	Last reportable sample/prep for job FA32429			
14:11	MP30169-MB1	1		
14:15	MP30169-B1	1		
14:20	FA32417-2L	1		(sample used for QC only; not part of login FA32429)
14:24	MP30169-D1	1		
14:29	MP30169-SD1	5		

6.1
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32429
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032516M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 03/25/16
Run ID: MA13059
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:34	MP30169-S1	1		
14:38	MP30169-S2	1		
14:42	MP30169-MB2	1		
14:47	MP30169-B2	1		
14:51	MA13059-CCV6	1		
14:55	MA13059-CCB6	1		
15:00	MA13059-CRIA2	1		
15:04	MA13059-ICSA2	1		
15:09	MA13059-ICSAB2	1		
15:14	MA13059-CCV7	1		
15:18	MA13059-CCB7	1		

-----> Last reportable CCB for job FA32429
Refer to raw data for calibration curve and standards.

6.1
6

INTERNAL STANDARD SUMMARY

Login Number: FA32429
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032516M1.ICP Date Analyzed: 03/25/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13059
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:20	MA13059-STD1	5304	44112	4425	2802
09:24	MA13059-STD2	5194	42835	4345	2596
09:29	MA13059-STD3	4932	41016	4252	2346
09:32	MA13059-STD4	4754	40002	4173	2178
09:37	MA13059-HSTD1	4766	40120	4189	2186
09:43	MA13059-ICV1	5013	41903	4330	2386
09:52	MA13059-ICB1	5141 R	43012 R	4313 R	2729 R
09:55	MA13059-CRIA1	5059	42035	4283	2623
10:02	MA13059-ICSA1	4539	37040	3991	2075
10:09	MA13059-ICSAB1	4518	36936	3911	2047
10:16	MA13059-CCV1	4883	40655	4145	2345
10:24	MA13059-CCB1	5186	43024	4271	2746
10:29	ZZZZZZ	5288	43961	4451	2568
10:34	ZZZZZZ	6536 !	54365 !	5586 !	2459
10:38	ZZZZZZ	6522 !	53958 !	5413 !	2485
10:45	FA32283-5	5082	41824	4236	2573
10:50	MP30160-D1	5096	41701	4250	2575
10:54	MP30160-S1	5114	42031	4239	2551
10:59	MP30160-S2	5081	41261	4170	2518
11:03	MP30160-PS1	5113	41787	4205	2554
11:08	MP30160-SD1	5175	42605	4224	2667
11:12	ZZZZZZ	4818	39691	4051	2345
11:17	MA13059-CCV2	4934	40522	4039	2315
11:21	MA13059-CCB2	5219	42760	4200	2710
11:25	ZZZZZZ	4682	38185	4010	2194
11:30	ZZZZZZ	4725	38670	4005	2278
11:34	ZZZZZZ	5264	42926	4278	2417
11:39	MP30167-MB1	5204	43286	4150	2705
11:43	MP30167-B1	5032	41210	4058	2441
11:48	FA32364-4	4958	40895	4070	2479
11:52	MP30167-D1	4908	40161	3989	2466
11:57	MP30167-SD1	5177	42782	4170	2667
12:01	MP30167-PS1	4939	40800	4056	2434

6.1.1
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INTERNAL STANDARD SUMMARY

Login Number: FA32429
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032516M1.ICP Date Analyzed: 03/25/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13059
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:05	MP30167-S1	4922	40405	4060	2348
12:10	MA13059-CCV3	5097	42127	4227	2410
12:14	MA13059-CCB3	5146	42345	4180	2705
12:18	MP30167-S2	4928	40487	4072	2348
12:23	ZZZZZZ	4954	40934	4099	2524
12:27	ZZZZZZ	4968	41241	4122	2533
12:32	ZZZZZZ	4956	41079	4111	2496
12:36	ZZZZZZ	4850	39216	4145	2261
12:41	ZZZZZZ	4754	38908	4024	2257
12:45	ZZZZZZ	4804	39234	4290	2032
12:50	ZZZZZZ	4831	39802	4028	2372
12:54	ZZZZZZ	5053	41710	4102	2541
12:59	ZZZZZZ	4812	39620	4011	2362
13:03	MA13059-CCV4	5044	41781	4163	2372
13:08	MA13059-CCB4	5245	43573	4276	2738
13:12	ZZZZZZ	5112	42198	4162	2594
13:17	ZZZZZZ	4853	40256	4098	2388
13:21	ZZZZZZ	4787	39701	3986	2351
13:26	ZZZZZZ	5090	42006	4064	2597
13:30	ZZZZZZ	4808	39858	4002	2361
13:35	FA32429-16	5094	42060	4140	2595
13:39	ZZZZZZ	5105	42118	4165	2586
13:44	ZZZZZZ	4891	40496	4085	2427
13:48	ZZZZZZ	5238	43782	4198	2734
13:53	ZZZZZZ	5186	42978	4185	2696
13:57	MA13059-CCV5	5044	41573	4161	2375
14:02	MA13059-CCB5	5229	43425	4242	2729
14:06	MP30167-MB2A	5219	43644	4212	2731
14:11	MP30169-MB1	5280	43993	4204	2762
14:15	MP30169-B1	5063	41727	4135	2469
14:20	FA32417-2L	4970	40371	4134	2453
14:24	MP30169-D1	4997	40560	4149	2454
14:29	MP30169-SD1	5207	42855	4269	2656

INTERNAL STANDARD SUMMARY

Login Number: FA32429
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032516M1.ICP Date Analyzed: 03/25/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13059
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:34	MP30169-S1	4945	40441	4114	2343
14:38	MP30169-S2	4929	40521	4148	2339
14:42	MP30169-MB2	4978	40801	4249	2470
14:47	MP30169-B2	4927	40719	4173	2346
14:51	MA13059-CCV6	5046	42039	4231	2399
14:55	MA13059-CCB6	5241	43643	4285	2765
15:00	MA13059-CRIA2	5206	43448	4375	2695
15:04	MA13059-ICSA2	4645	37886	4036	2112
15:09	MA13059-ICSAB2	4613	37704	3969	2079
15:14	MA13059-CCV7	5018	42138	4268	2381
15:18	MA13059-CCB7	5250	43790	4320	2756

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.1.1
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32429
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032516M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/25/16
 Run ID: MA13059

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		09:52		10:24		11:21		12:14		
	Sample ID:	RL	IDL	ICB1	final	CCB1	final	CCB2	final	CCB3	final
Aluminum		200	14								
Antimony		6.0	1								
Arsenic		10	1.3	anr							
Barium		200	1								
Beryllium		4.0	.2								
Cadmium		5.0	.2								
Calcium		1000	50	anr							
Chromium		10	1								
Cobalt		50	.2								
Copper		25	1								
Iron		300	17	anr							
Lead		5.0	1	0.0	<5.0	0.40	<5.0	0.10	<5.0	-0.40	<5.0
Magnesium		5000	35	anr							
Manganese		15	.5	anr							
Molybdenum		50	.3								
Nickel		40	.4								
Potassium		10000	200	anr							
Selenium		10	2.4	anr							
Silver		10	.7								
Sodium		10000	500	anr							
Strontium		10	.5								
Thallium		10	1.1								
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3								

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32429
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032516M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/25/16
 Run ID: MA13059

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	13:08 CCB4		14:02 CCB5		14:55 CCB6		15:18 CCB7	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14								
Antimony		6.0	1								
Arsenic		10	1.3	anr							
Barium		200	1								
Beryllium		4.0	.2								
Cadmium		5.0	.2								
Calcium		1000	50	anr							
Chromium		10	1								
Cobalt		50	.2								
Copper		25	1								
Iron		300	17	anr							
Lead		5.0	1	-0.40	<5.0	-0.20	<5.0	-0.20	<5.0	-0.50	<5.0
Magnesium		5000	35	anr							
Manganese		15	.5	anr							
Molybdenum		50	.3								
Nickel		40	.4								
Potassium		10000	200	anr							
Selenium		10	2.4	anr							
Silver		10	.7								
Sodium		10000	500	anr							
Strontium		10	.5								
Thallium		10	1.1								
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3								

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32429
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032516M1.ICP Date Analyzed: 03/25/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13059 Units: ug/l

Metal	Time:		09:43		10:16		11:17			
	Sample ID:	ICV	ICV1	CCV	CCV1	CCV	CCV2			
	True	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum										
Antimony										
Arsenic	anr									
Barium										
Beryllium										
Cadmium										
Calcium	anr									
Chromium										
Cobalt										
Copper										
Iron	anr									
Lead	2000	1950	97.5	2000	2040	102.0	2000	2060	103.0	
Magnesium	anr									
Manganese	anr									
Molybdenum										
Nickel										
Potassium	anr									
Selenium	anr									
Silver										
Sodium	anr									
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32429
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032516M1.ICP Date Analyzed: 03/25/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13059 Units: ug/l

Time:	12:10	13:03	13:57
Sample ID:	CCV3	CCV4	CCV5
Metal	True	True	True
	Results	Results	Results
	% Rec	% Rec	% Rec
Aluminum			
Antimony			
Arsenic	anr		
Barium			
Beryllium			
Cadmium			
Calcium	anr		
Chromium			
Cobalt			
Copper			
Iron	anr		
Lead	2000 2000 100.0	2000 2030 101.5	2000 2010 100.5
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel			
Potassium	anr		
Selenium	anr		
Silver			
Sodium	anr		
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32429
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032516M1.ICP Date Analyzed: 03/25/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13059 Units: ug/l

Time:	14:51	15:14				
Sample ID:	CCV6	CCV7				
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum						
Antimony						
Arsenic	anr					
Barium						
Beryllium						
Cadmium						
Calcium	anr					
Chromium						
Cobalt						
Copper						
Iron	anr					
Lead	2000	2000	2000	100.0	2020	101.0
Magnesium	anr					
Manganese	anr					
Molybdenum						
Nickel						
Potassium	anr					
Selenium	anr					
Silver						
Sodium	anr					
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA32429
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032516M1.ICP Date Analyzed: 03/25/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13059 Units: ug/l

Time:	09:37
Sample ID:	HSTD1
Metal	True
Results	% Rec

Aluminum			
Antimony			
Arsenic	anr		
Barium			
Beryllium			
Cadmium			
Calcium	anr		
Chromium			
Cobalt			
Copper			
Iron	anr		
Lead	4000	4010	100.3
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel			
Potassium	anr		
Selenium	anr		
Silver			
Sodium	anr		
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA32429
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032516M1.ICP Date Analyzed: 03/25/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13059 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	09:55 CRIA1 Results	% Rec	15:00 CRIA2 Results	% Rec
Metal						
Aluminum	400	200				
Antimony	10	5.0				
Arsenic	20	10	anr			
Barium	400	200				
Beryllium	10	5.0				
Cadmium	10	5.0				
Calcium	2000	1000	anr			
Chromium	20	10				
Cobalt	100	50				
Copper	50	25				
Iron	600	300	anr			
Lead	10	5.0	5.0	100.0	5.0	100.0
Magnesium	10000	5000	anr			
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000	anr			
Selenium	20	10	anr			
Silver	20	10				
Sodium	20000	10000	anr			
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20				

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA32429
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032516M1.ICP Date Analyzed: 03/25/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13059 Units: ug/l

Time:	ICSAB	ICSAB	10:02		10:09		15:04		15:09	
Sample ID:	True	True	ICSAB1	% Rec	ICSAB1	% Rec	ICSAB2	% Rec	ICSAB2	% Rec
Metal			Results		Results		Results		Results	
Aluminum	500000	500000	498000	99.6	506000	101.2	485000	97.0	499000	99.8
Antimony		1000	0.70		1040	104.0	0.20		1020	102.0
Arsenic		1000	1.8		1110	111.0	1.0		1090	109.0
Barium		500	-0.20		508	101.6	-0.10		507	101.4
Beryllium		500	-0.30		516	103.2	-0.20		503	100.6
Cadmium		1000	0.0		971	97.1	-0.10		953	95.3
Calcium	500000	500000	477000	95.4	482000	96.4	470000	94.0	479000	95.8
Chromium		500	0.0		513	102.6	-0.20		505	101.0
Cobalt		500	-0.10		476	95.2	-0.10		470	94.0
Copper		500	-1.4		538	107.6	-1.4		536	107.2
Iron	200000	200000	188000	94.0	192000	96.0	184000	92.0	189000	94.5
Lead		1000	0.0		972	97.2	2.5		960	96.0
Magnesium	500000	500000	518000	103.6	527000	105.4	507000	101.4	518000	103.6
Manganese		500	-0.50		515	103.0	-0.50		503	100.6
Molybdenum		1000	0.30		955	95.5	0.30		942	94.2
Nickel		1000	0.20		968	96.8	0.70		948	94.8
Potassium			31.4		15.8		88.9		95.3	
Selenium		1000	0.0		1020	102.0	-2.4		1000	100.0
Silver		1000	-0.10		1020	102.0	-0.50		1020	102.0
Sodium			124		149		307		306	
Strontium		1000	0.0		1020	102.0	-0.10		1020	102.0
Thallium		1000	0.0		960	96.0	-0.70		949	94.9
Tin		1000	1.8		936	93.6	1.2		926	92.6
Titanium		1000	0.0		999	99.9	-0.10		974	97.4
Vanadium		500	0.0		480	96.0	0.20		470	94.0
Zinc		1000	-2.9		959	95.9	-2.8		946	94.6

(*) Outside of QC limits
(anr) Analyte not requested

6.1.6
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32429
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA050616M1.ICP Date Analyzed: 05/06/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13141
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:39	MA13141-STD1	1		STDA
10:43	MA13141-STD2	1		STDB
10:46	MA13141-STD3	1		STDC
10:50	MA13141-STD4	1		STDD
10:54	MA13141-HSTD1	1		
11:00	MA13141-ICV1	1		
11:07	MA13141-ICB1	1		
11:11	MA13141-CR1A1	1		
11:19	MA13141-ICSA1	1		
11:26	MA13141-ICSAB1	1		
11:32	MA13141-CCV1	1		
11:42	MA13141-CCB1	1		
11:46	MP30327-MB1	1		
11:51	MP30327-B1	1		
11:55	FA33633-1	1		(sample used for QC only; not part of login FA32429)
11:59	MP30327-D1	1		
12:04	MP30327-SD1	5		
12:08	MP30327-PS1	1		
12:12	MP30327-S1	1		
12:17	MP30327-S2	1		
12:21	ZZZZZZ	1		
12:25	ZZZZZZ	1		
12:30	MA13141-CCV2	1		
12:34	MA13141-CCB2	1		
12:38	ZZZZZZ	1		
12:43	ZZZZZZ	1		
12:47	ZZZZZZ	1		
12:52	ZZZZZZ	1		
12:56	ZZZZZZ	1		
13:01	ZZZZZZ	1		
13:05	ZZZZZZ	1		
13:10	ZZZZZZ	1		
13:14	ZZZZZZ	1		

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32429
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA050616M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 05/06/16
Run ID: MA13141
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:18	ZZZZZZ	1		
13:23	MA13141-CCV3	1		
13:27	MA13141-CCB3	1		
13:32	ZZZZZZ	1		
13:36	ZZZZZZ	1		
13:41	ZZZZZZ	1		
13:45	ZZZZZZ	1		
13:50	ZZZZZZ	1		
13:54	ZZZZZZ	1		
13:58	ZZZZZZ	1		
14:07	MP30325-MB1	5		
14:12	MP30325-B1	5		
14:16	MA13141-CCV4	1		
14:20	MA13141-CCB4	1		
14:25	FA32429-1	5		
14:29	MP30325-D1	5		
14:34	MP30325-D2	5		
14:38	MP30325-SD1	25		
14:42	MP30325-PS1	5		
14:47	MP30325-S1	5		
14:51	MP30325-S2	5		
14:55	FA32429-4	5		
15:00	FA32429-7	5		
15:04	FA32429-8	5		
15:08	MA13141-CCV5	1		
15:13	MA13141-CCB5	1		
15:17	FA32429-13	5		
15:22	FA32429-17	5		
15:26	FA32429-18	5		
15:30	FA32429-23	5		
15:35	FA32429-26	5		
15:39	FA32429-29	5		
15:44	FA32429-32	5		
----->	Last reportable sample/prep for job FA32429			

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32429
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA050616M1.ICP Date Analyzed: 05/06/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13141
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:48	ZZZZZZ	5		
15:52	ZZZZZZ	5		
15:57	ZZZZZZ	5		
16:01	MA13141-CCV6	1		
16:06	MA13141-CCB6	1		
16:10	ZZZZZZ	5		
16:15	ZZZZZZ	5		
16:19	MA13141-CRIA2	1		
16:24	MA13141-ICSA2	1		
16:28	MA13141-ICSAB2	1		
16:33	MA13141-CCV7	1		
16:37	MA13141-CCB7	1		

-----> Last reportable CCB for job FA32429
Refer to raw data for calibration curve and standards.

6.2
6

INTERNAL STANDARD SUMMARY

Login Number: FA32429
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA050616M1.ICP Date Analyzed: 05/06/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13141
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:39	MA13141-STD1	5309	42415	3888	2820
10:43	MA13141-STD2	5232	41737	3807	2662
10:46	MA13141-STD3	5040	40184	3719	2437
10:50	MA13141-STD4	4835	39184	3652	2243
10:54	MA13141-HSTD1	4825	39167	3669	2236
11:00	MA13141-ICV1	5032	40218	3767	2426
11:07	MA13141-ICB1	5344 R	42689 R	3796 R	2868 R
11:11	MA13141-CR1A1	5251	42127	3806	2734
11:19	MA13141-ICSA1	4642	36838	3508	2162
11:26	MA13141-ICSAB1	4642	36627	3460	2140
11:32	MA13141-CCV1	5029	40644	3689	2430
11:42	MA13141-CCB1	5408	43430	3839	2896
11:46	MP30327-MB1	5235	43020	3763	2797
11:51	MP30327-B1	5039	40667	3662	2511
11:55	FA33633-1	5187	41874	3712	2665
11:59	MP30327-D1	5200	41925	3668	2674
12:04	MP30327-SD1	5289	42467	3761	2790
12:08	MP30327-PS1	5157	41382	3711	2589
12:12	MP30327-S1	5103	40533	3608	2482
12:17	MP30327-S2	5108	40471	3568	2490
12:21	ZZZZZZ	5127	41100	3707	2617
12:25	ZZZZZZ	5238	42157	3771	2674
12:30	MA13141-CCV2	5045	39910	3578	2417
12:34	MA13141-CCB2	5386	42780	3725	2846
12:38	ZZZZZZ	4998	40428	3653	2511
12:43	ZZZZZZ	5111	41024	3702	2613
12:47	ZZZZZZ	5194	41490	3614	2672
12:52	ZZZZZZ	5198	41590	3628	2699
12:56	ZZZZZZ	5046	40382	3640	2535
13:01	ZZZZZZ	5197	41484	3683	2671
13:05	ZZZZZZ	5174	41471	3655	2637
13:10	ZZZZZZ	5197	41514	3642	2666
13:14	ZZZZZZ	4983	40293	3609	2509

INTERNAL STANDARD SUMMARY

Login Number: FA32429
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA050616M1.ICP Date Analyzed: 05/06/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13141
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:18	ZZZZZZ	5145	41097	3678	2628
13:23	MA13141-CCV3	5114	40373	3608	2448
13:27	MA13141-CCB3	5362	42374	3680	2836
13:32	ZZZZZZ	5256	41948	3668	2690
13:36	ZZZZZZ	5239	41911	3696	2711
13:41	ZZZZZZ	5076	40250	3596	2554
13:45	ZZZZZZ	5315	41782	3625	2686
13:50	ZZZZZZ	5189	41632	3661	2655
13:54	ZZZZZZ	5097	40512	3606	2546
13:58	ZZZZZZ	5331	42224	3729	2646
14:07	MP30325-MB1	5395	42619	3633	2813
14:12	MP30325-B1	5333	42112	3651	2705
14:16	MA13141-CCV4	5119	40581	3629	2424
14:20	MA13141-CCB4	5399	42697	3687	2825
14:25	FA32429-1	5426	42098	3590	2729
14:29	MP30325-D1	5422	42427	3648	2702
14:34	MP30325-D2	5409	42465	3679	2696
14:38	MP30325-SD1	5467	43625	3755	2806
14:42	MP30325-PS1	5427	42006	3619	2704
14:47	MP30325-S1	5414	41884	3609	2667
14:51	MP30325-S2	5382	42017	3646	2635
14:55	FA32429-4	5434	42319	3665	2670
15:00	FA32429-7	5466	42324	3631	2715
15:04	FA32429-8	5462	42511	3625	2708
15:08	MA13141-CCV5	5154	40669	3611	2427
15:13	MA13141-CCB5	5464	42938	3697	2835
15:17	FA32429-13	5568	42551	3638	2638
15:22	FA32429-17	5438	42257	3602	2696
15:26	FA32429-18	5444	42098	3657	2676
15:30	FA32429-23	5476	42338	3589	2717
15:35	FA32429-26	5476	42013	3582	2690
15:39	FA32429-29	5447	42498	3634	2698
15:44	FA32429-32	5478	42423	3624	2688

6.2.1
6

INTERNAL STANDARD SUMMARY

Login Number: FA32429
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA050616M1.ICP Date Analyzed: 05/06/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13141
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:48	ZZZZZZ	5499	42348	3599	2622
15:52	ZZZZZZ	5520	42565	3636	2595
15:57	ZZZZZZ	5464	42258	3667	2571
16:01	MA13141-CCV6	5255	40811	3502	2459
16:06	MA13141-CCB6	5478	42684	3593	2833
16:10	ZZZZZZ	5406	41769	3600	2559
16:15	ZZZZZZ	5370	42144	3631	2546
16:19	MA13141-CRIA2	5433	41824	3549	2740
16:24	MA13141-ICSA2	4798	36364	3268	2155
16:28	MA13141-ICSAB2	4762	36684	3321	2119
16:33	MA13141-CCV7	5185	40120	3470	2429
16:37	MA13141-CCB7	5464	42539	3564	2824

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.2.1
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32429
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA050616M1.ICP Date Analyzed: 05/06/16 Methods: SW846 6010C
 QC Limits: result < RL Run ID: MA13141 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	11:07 ICB1		11:42 CCB1		12:34 CCB2		13:27 CCB3	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14								
Antimony		6.0	1								
Arsenic		10	1.3	anr							
Barium		200	1								
Beryllium		4.0	.2								
Cadmium		5.0	.2	anr							
Calcium		1000	50	anr							
Chromium		10	1	anr							
Cobalt		50	.2								
Copper		25	1								
Iron		300	17	anr							
Lead		5.0	1	0.0	<5.0	0.0	<5.0	0.10	<5.0	0.40	<5.0
Magnesium		5000	35	anr							
Manganese		15	.5	anr							
Molybdenum		50	.3								
Nickel		40	.4								
Potassium		10000	200								
Selenium		10	2.4								
Silver		10	.7								
Sodium		10000	500								
Strontium		10	.5								
Thallium		10	1.1								
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3								

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32429
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA050616M1.ICP
 QC Limits: result < RL

Date Analyzed: 05/06/16
 Run ID: MA13141

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	14:20 CCB4		15:13 CCB5		16:06 CCB6		16:37 CCB7	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14								
Antimony		6.0	1								
Arsenic		10	1.3	anr							
Barium		200	1								
Beryllium		4.0	.2								
Cadmium		5.0	.2	anr							
Calcium		1000	50	anr							
Chromium		10	1	anr							
Cobalt		50	.2								
Copper		25	1								
Iron		300	17	anr							
Lead		5.0	1	0.80	<5.0	-0.10	<5.0	0.30	<5.0	-0.30	<5.0
Magnesium		5000	35	anr							
Manganese		15	.5	anr							
Molybdenum		50	.3								
Nickel		40	.4								
Potassium		10000	200								
Selenium		10	2.4								
Silver		10	.7								
Sodium		10000	500								
Strontium		10	.5								
Thallium		10	1.1								
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3								

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32429
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA050616M1.ICP Date Analyzed: 05/06/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13141 Units: ug/l

Metal	Time:		11:00		11:32		12:30		
	Sample ID:	ICV	ICV1	CCV	CCV1	CCV	CCV2		
	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium									
Beryllium									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper									
Iron	anr								
Lead	2000	2050	102.5	2000	2010	100.5	2000	2040	102.0
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32429
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA050616M1.ICP Date Analyzed: 05/06/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13141 Units: ug/l

Metal	Sample ID	Time: CCV True	13:23 CCV3		14:16 CCV4		15:08 CCV5		
			Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum									
Antimony									
Arsenic	anr								
Barium									
Beryllium									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper									
Iron	anr								
Lead	2000	2010	100.5	2000	2030	101.5	2000	2020	101.0
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32429
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA050616M1.ICP Date Analyzed: 05/06/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13141 Units: ug/l

Metal	Time:	16:01	% Rec	16:33	% Rec	
	Sample ID:	CCV6		CCV7		
	True	Results		Results		
Aluminum						
Antimony						
Arsenic	anr					
Barium						
Beryllium						
Cadmium	anr					
Calcium	anr					
Chromium	anr					
Cobalt						
Copper						
Iron	anr					
Lead	2000	1990	99.5	2000	2000	100.0
Magnesium	anr					
Manganese	anr					
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA32429
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA050616M1.ICP Date Analyzed: 05/06/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13141 Units: ug/l

Time:	10:54
Sample ID:	HSTD1
Metal	True
	Results % Rec

Aluminum			
Antimony			
Arsenic	anr		
Barium			
Beryllium			
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt			
Copper			
Iron	anr		
Lead	4000	4070	101.8
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA32429
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA050616M1.ICP Date Analyzed: 05/06/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13141 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	11:11 CRIA1 Results	% Rec	16:19 CRIA2 Results	% Rec
Metal						
Aluminum	400	200				
Antimony	10	5.0				
Arsenic	20	10	anr			
Barium	400	200				
Beryllium	10	5.0				
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25				
Iron	600	300	anr			
Lead	10	5.0	5.4	108.0	5.2	104.0
Magnesium	10000	5000	anr			
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000				
Selenium	20	10				
Silver	20	10				
Sodium	20000	10000				
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20				

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA32429
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA050616M1.ICP Date Analyzed: 05/06/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13141 Units: ug/l

Time:	11:19	11:26	16:24	16:28
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2
Metal	True	Results % Rec	Results % Rec	Results % Rec
Aluminum	500000	510000 102.0	515000 103.0	532000 106.4
Antimony	1000	-0.60	1030 103.0	-2.5 993 99.3
Arsenic	1000	0.0	1090 109.0	0.60 1050 105.0
Barium	500	0.70	530 106.0	0.70 569 113.8
Beryllium	500	-0.10	515 103.0	-0.10 521 104.2
Cadmium	1000	-0.70	967 96.7	-2.6 941 94.1
Calcium	500000	494000 98.8	491000 98.2	531000 106.2 529000 105.8
Chromium	500	0.0	514 102.8	-0.30 515 103.0
Cobalt	500	-0.30	481 96.2	-0.30 479 95.8
Copper	500	-1.0	553 110.6	-1.2 567 113.4
Iron	200000	188000 94.0	189000 94.5	193000 96.5 194000 97.0
Lead	1000	0.10	975 97.5	-2.0 967 96.7
Magnesium	500000	526000 105.2	525000 105.0	566000 113.2 562000 112.4
Manganese	500	0.10	512 102.4	-0.20 495 99.0
Molybdenum	1000	-0.40	958 95.8	-0.80 951 95.1
Nickel	1000	0.0	965 96.5	0.10 927 92.7
Potassium		39.1	-11	67.9 58.6
Selenium	1000	0.0	1040 104.0	0.60 1020 102.0
Silver	1000	0.50	1060 106.0	0.40 1080 108.0
Sodium		195	190	222 258
Strontium	1000	0.0	1040 104.0	-0.60 1030 103.0
Thallium	1000	0.0	961 96.1	2.4 943 94.3
Tin	1000	1.9	948 94.8	1.1 963 96.3
Titanium	1000	0.20	1020 102.0	0.60 981 98.1
Vanadium	500	-0.40	476 95.2	-0.10 462 92.4
Zinc	1000	-1.4	969 96.9	-1.8 915 91.5

(*) Outside of QC limits
(anr) Analyte not requested

6.2.6
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA32429
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30167
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/25/16 03/25/16

Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Aluminum	200	14	14				
Antimony	6.0	1	1				
Arsenic	10	1.3	1.3				
Barium	200	1	1				
Beryllium	4.0	.2	.2				
Cadmium	5.0	.2	.2				
Calcium	1000	50	50				
Chromium	10	1	1				
Cobalt	50	.2	.2				
Copper	25	1	1				
Iron	300	17	17				
Lead	5.0	1	1.1	-0.40	<5.0	0.10	<5.0
Magnesium	5000	35	35				
Manganese	15	.5	1				
Molybdenum	50	.3	.3				
Nickel	40	.4	.4				
Potassium	10000	200	200				
Selenium	10	2.4	2.9				
Silver	10	.7	.7				
Sodium	10000	500	500				
Strontium	10	.5	.5				
Thallium	10	1.1	1.4				
Tin	50	.9	1				
Titanium	10	.5	1				
Vanadium	50	.5	.6				
Zinc	20	3	4.4				

Associated samples MP30167: FA32429-16

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.3.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32429
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30167
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/25/16 03/25/16

Metal	FA32364-4 Original	DUP	RPD	QC Limits	FA32364-4 Original MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum								
Antimony								
Arsenic	anr							
Barium								
Beryllium								
Cadmium								
Calcium	anr							
Chromium								
Cobalt								
Copper								
Iron	anr							
Lead	0.0	0.0	NC	0-20	0.0	516	500	103.2 80-120
Magnesium	anr							
Manganese	anr							
Molybdenum								
Nickel								
Potassium	anr							
Selenium								
Silver								
Sodium	anr							
Strontium								
Thallium								
Tin								
Titanium								
Vanadium								
Zinc								

Associated samples MP30167: FA32429-16

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.3.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32429
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30167
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/25/16

Metal	FA32364-4 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit		
Aluminum						
Antimony						
Arsenic	anr					
Barium						
Beryllium						
Cadmium						
Calcium	anr					
Chromium						
Cobalt						
Copper						
Iron	anr					
Lead	0.0	519	500	103.8	0.6	20
Magnesium	anr					
Manganese	anr					
Molybdenum						
Nickel						
Potassium	anr					
Selenium						
Silver						
Sodium	anr					
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP30167: FA32429-16

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.3.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA32429
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30167
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/25/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium				
Beryllium				
Cadmium				
Calcium	anr			
Chromium				
Cobalt				
Copper				
Iron	anr			
Lead	509	500	101.8	80-120
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel				
Potassium	anr			
Selenium				
Silver				
Sodium	anr			
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30167: FA32429-16

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.3.3
6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA32429
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30167
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/25/16

Metal	FA32364-4	Original	SDL 1:5	%DIF	QC Limits
Aluminum					
Antimony					
Arsenic	anr				
Barium					
Beryllium					
Cadmium					
Calcium	anr				
Chromium					
Cobalt					
Copper					
Iron	anr				
Lead	0.00	0.00	NC		0-10
Magnesium	anr				
Manganese	anr				
Molybdenum					
Nickel					
Potassium	anr				
Selenium					
Silver					
Sodium	anr				
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc					

Associated samples MP30167: FA32429-16

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.3.4
 6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA32429
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30167
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date:

03/25/16

Metal	Sample ml	Final ml	FA32364-4 Raw	PS Corr.** ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	9.8	10		51.7	0.2	2.5	50	103.4	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP30167: FA32429-16

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (**) Corr. sample result = Raw * (sample volume / final volume)
 (anr) Analyte not requested

6.3.5
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA32429
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30325
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 05/06/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.4	3.5		
Antimony	2.0	.1	.13		
Arsenic	1.0	.13	.2		
Barium	20	.1	.1		
Beryllium	0.50	.02	.05		
Cadmium	0.40	.02	.05		
Calcium	500	5	5		
Chromium	1.0	.1	.1		
Cobalt	5.0	.02	.05		
Copper	2.5	.1	.1		
Iron	30	1.7	1.7		
Lead	2.0	.1	.1	-0.0080	<2.0
Magnesium	500	3.5	3.6		
Manganese	1.5	.05	.05		
Molybdenum	5.0	.03	.05		
Nickel	4.0	.04	.05		
Potassium	1000	20	20		
Selenium	2.0	.24	.24		
Silver	1.0	.07	.082		
Sodium	1000	50	50		
Strontium	1.0	.05	.05		
Thallium	1.0	.11	.11		
Tin	5.0	.09	.09		
Titanium	1.0	.05	.05		
Vanadium	5.0	.05	.05		
Zinc	2.0	.3	.3		

Associated samples MP30325: FA32429-1, FA32429-4, FA32429-7, FA32429-8, FA32429-13, FA32429-17, FA32429-18, FA32429-23, FA32429-26, FA32429-29, FA32429-32

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.4.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32429
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30325
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 05/06/16 05/06/16

Metal	FA32429-1		RPD	QC Limits	FA32429-1		RPD	QC Limits
	Original	DUP			Original	DUP		
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead	15.8	18.6	16.3	0-20	15.8	17.0	7.3	0-20
Magnesium								
Manganese								
Molybdenum								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Strontium								
Thallium								
Tin								
Titanium								
Vanadium								
Zinc								

Associated samples MP30325: FA32429-1, FA32429-4, FA32429-7, FA32429-8, FA32429-13, FA32429-17, FA32429-18, FA32429-23, FA32429-26, FA32429-29, FA32429-32

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.4.2
 6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32429
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30325
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 05/06/16

Metal	FA32429-1 Original MS	Spikelot MPFLICP2 % Rec	QC Limits
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead	15.8 25.4	9.62 99.8	80-120
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

Associated samples MP30325: FA32429-1, FA32429-4, FA32429-7, FA32429-8, FA32429-13, FA32429-17, FA32429-18, FA32429-23, FA32429-26, FA32429-29, FA32429-32

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.4.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32429
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30325
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 05/06/16

Metal	FA32429-1 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	15.8 26.7	9.68 112.0	5.0	20
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30325: FA32429-1, FA32429-4, FA32429-7, FA32429-8, FA32429-13, FA32429-17, FA32429-18, FA32429-23, FA32429-26, FA32429-29, FA32429-32

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.4.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA32429
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30325
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 05/06/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	9.7	10	97.4	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30325: FA32429-1, FA32429-4, FA32429-7, FA32429-8, FA32429-13, FA32429-17, FA32429-18, FA32429-23, FA32429-26, FA32429-29, FA32429-32

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.3
6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA32429
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30325
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 05/06/16

Metal	FA32429-1	QC
	Original SDL 5:25 %DIF	Limits

Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	801	836	4.4	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30325: FA32429-1, FA32429-4, FA32429-7, FA32429-8, FA32429-13, FA32429-17, FA32429-18, FA32429-23, FA32429-26, FA32429-29, FA32429-32

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA32429
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30325
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date:

05/06/16

Metal	Sample ml	Final ml	FA32429-1 Raw	PS Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead	9.8	10	801.1	785.078	907.5	0.2	2.5	50	244.8*(a)	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP30325: FA32429-1, FA32429-4, FA32429-7, FA32429-8, FA32429-13, FA32429-17, FA32429-18, FA32429-23, FA32429-26, FA32429-29, FA32429-32

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(**) Corr. sample result = Raw * (sample volume / final volume)

(anr) Analyte not requested

(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

6.4.5
6

Instrument Detection Limits

Job Number: FA32429
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1	Effective Date: 01/27/15
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Analyte	IDL ug/l
Aluminum	14
Antimony	1
Arsenic	1.3
Barium	1
Beryllium	.2
Cadmium	.2
Calcium	50
Chromium	1
Cobalt	.2
Copper	1
Iron	17
Lead	1
Magnesium	35
Manganese	.5
Molybdenum	.3
Nickel	.4
Potassium	200
Selenium	2.4
Silicon	5
Silver	.7
Sodium	500
Strontium	.5
Sulfur	5
Thallium	1.1
Tin	.9
Titanium	.5
Vanadium	.5
Zinc	3

The above applies to the following instrument runs:
MA13059,MA13141

6.5
6

Instrument Linear Ranges

Job Number: FA32429
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1

Effective Date: 08/13/13

Analyte	Linear Range ug/l
Aluminum	500000
Antimony	10000
Arsenic	10000
Barium	10000
Beryllium	10000
Cadmium	10000
Calcium	500000
Chromium	10000
Cobalt	10000
Copper	10000
Iron	500000
Lead	10000
Magnesium	500000
Manganese	10000
Molybdenum	10000
Nickel	10000
Potassium	80000
Selenium	10000
Silver	1000
Sodium	80000
Strontium	10000
Sulfur	10000
Thallium	10000
Tin	10000
Titanium	10000
Vanadium	10000
Zinc	10000

The above applies to the following instrument runs:
MA13059,MA13141

Metals Analysis

Raw Data

Sample Name: Blank Acquired: 3/25/2016 9:20:15 Type: Cal
Method: 60102007_042011(v28) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.003	.0013	-0.0006	.0015	.0023	.0065	-0.0012	-0.0006	.0000
Stddev	.0000	.0011	.0001	.0017	.0007	.0001	.0002	.0002	.000
%RSD	11.85	84.42	11.80	116.1	32.39	1.287	14.76	36.00	197.2
#1	-.0003	.0023	-.0006	.0028	.0031	.0064	-.0010	-.0007	-.0001
#2	-.0003	.0014	-.0006	-.0004	.0018	.0064	-.0014	-.0003	-.0001
#3	-.0003	.0001	-.0007	.0020	.0018	.0066	-.0012	-.0006	.0001

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0073	.0018	-0.0041	-0.0001	.0007	.0014	-0.0051	-0.0006	.0003
Stddev	.0001	.0001	.0015	.0004	.0001	.0002	.0039	.0001	.0002
%RSD	.8070	6.533	36.80	385.0	8.904	13.13	77.42	17.20	50.09
#1	.0072	.0018	-.0032	.0003	.0007	.0016	-.0007	-.0007	.0003
#2	.0073	.0019	-.0033	-.0005	.0006	.0014	-.0063	-.0005	.0002
#3	.0072	.0017	-.0059	-.0001	.0007	.0012	-.0082	-.0006	.0005

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0006	-0.0001	.0063	.0004	.0027	.0016	-0.0015	-0.0005	.0015
Stddev	.0001	.0003	.0002	.0000	.0002	.0001	.0001	.0000	.0001
%RSD	10.92	178.1	2.787	4.394	8.135	9.489	6.651	9.429	3.438
#1	.0006	-.0003	.0062	.0004	.0030	.0015	-.0015	-.0005	.0015
#2	.0007	-.0002	.0061	.0004	.0026	.0017	-.0017	-.0006	.0014
#3	.0005	.0001	.0065	.0004	.0026	.0015	-.0015	-.0005	.0015

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2801.8	5304.4	4411.2	4424.6
Stddev	33.0	61.6	167.	6.8
%RSD	1.1772	1.1606	.37941	.15267
#1	2823.1	5348.1	44303.	4416.9
#2	2818.4	5331.1	43995.	4427.4
#3	2763.8	5234.0	44036.	4429.5

Raw Data MA13059 page 1 of 104

Sample Name: LowStd Acquired: 3/25/2016 9:24:39 Type: Cal
Method: 60102007_042011(v28) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0333	2.362	.0793	4.476	5.384	2.551	2.216	1.257	2.543
Stddev	.0004	.001	.0004	.008	.009	.001	.005	.003	.0006
%RSD	1.077	.0453	.5041	.1864	.1712	.0528	.2410	.2338	.2273
#1	.0337	2.362	.0792	4.469	5.374	2.552	2.221	1.260	.2536
#2	.0329	2.361	.0797	4.485	5.392	2.550	2.217	1.257	.2546
#3	.0333	2.363	.0789	4.475	5.388	2.550	2.210	1.254	.2546

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4482	1.801	1.008	.2632	1.375	.5356	4.206	.7303	.3717
Stddev	.0001	.004	.003	.0005	.002	.0014	.002	.0018	.0017
%RSD	.0163	.2206	.3244	.1904	.1192	.2690	.0535	.2446	.4541
#1	.4481	1.800	1.011	.2631	1.376	.5363	4.207	.7311	.3732
#2	.4482	1.806	1.005	.2638	1.373	.5364	4.203	.7316	.3719
#3	.4482	1.798	1.010	.2628	1.377	.5339	4.206	.7283	.3699

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1173	.0577	.1908	.1879	8.273	.9749	.1299	.3273	1.062
Stddev	.0010	.0001	.0004	.0001	.017	.0028	.0004	.0004	.003
%RSD	.8710	.1679	.2299	.0432	.2094	.2854	.3412	.1150	.2762
#1	.1181	.0577	.1911	.1880	8.282	.9772	.1300	.3274	1.065
#2	.1175	.0578	.1910	.1879	8.284	.9718	.1303	.3269	1.060
#3	.1161	.0576	.1903	.1879	8.253	.9757	.1294	.3276	1.060

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2596.4	5193.7	42835.	4345.0
Stddev	11.6	17.8	150.	4.9
%RSD	.44760	.34200	.35014	.11270
#1	2584.0	5177.9	42961.	4346.4
#2	2598.0	5190.4	42874.	4339.5
#3	2607.1	5212.9	42669.	4349.0

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Sample Name: MidStd Acquired: 3/25/2016 9:29:12 Type: Cal
Method: 60102007_042011(v28) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1402	9.114	.3353	18.67	22.11	9.720	9.014	5.101	1.024
Stddev	.0003	.046	.0008	.14	.13	.040	.034	.019	.003
%RSD	.1952	.5053	.2459	.7619	.5836	.4141	.3720	.3710	.2680
#1	.1401	9.165	.3362	18.82	22.23	9.755	9.052	5.122	1.022
#2	.1400	9.100	.3345	18.64	22.11	9.676	8.999	5.096	1.024
#3	.1405	9.076	.3353	18.54	21.98	9.729	8.990	5.085	1.027

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.828	6.540	3.945	1.011	5.522	2.201	16.40	2.949	1.563
Stddev	.003	.028	.022	.004	.011	.006	.08	.008	.002
%RSD	.1627	.4268	.5518	.4327	.1947	.2673	.5096	.2710	.1143
#1	1.830	6.566	3.969	1.016	5.509	2.207	16.49	2.958	1.565
#2	1.825	6.542	3.942	1.007	5.528	2.199	16.39	2.947	1.564
#3	1.830	6.511	3.925	1.010	5.528	2.196	16.32	2.943	1.561

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4889	.2419	.9172	.7659	34.19	4.014	.5438	1.345	4.304
Stddev	.0025	.0012	.0042	.0026	.24	.002	.0004	.001	.016
%RSD	.5156	.5096	.4541	.3334	.7065	.0395	.0764	.0822	.3805
#1	.4917	.2433	.9218	.7686	34.43	4.012	.5442	1.344	4.322
#2	.4881	.2414	.9159	.7656	34.20	4.014	.5434	1.345	4.301
#3	.4868	.2410	.9138	.7635	33.94	4.015	.5437	1.346	4.289

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2345.8	4931.9	41016.	4252.2
Stddev	5.3	13.5	36.	22.7
%RSD	.22635	.27451	.08804	.53353
#1	2342.9	4916.3	41050.	4238.8
#2	2351.9	4940.3	41020.	4278.4
#3	2342.5	4939.3	40978.	4239.3

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Sample Name: HighStd Acquired: 3/25/2016 9:32:48 Type: Cal
Method: 60102007_042011(v28) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2733	17.95	.6702	37.01	43.38	19.02	17.54	9.958	1.986
Stddev	.0010	.11	.0026	.24	.19	.12	.03	.007	.006
%RSD	.3831	.5852	.3953	.6511	.4431	.6493	.1989	.0755	.3016
#1	.2724	17.89	.6724	36.83	43.34	19.05	17.51	9.959	1.981
#2	.2731	17.90	.6672	36.92	43.22	18.88	17.53	9.950	1.983
#3	.2745	18.08	.6708	37.29	43.59	19.13	17.58	9.965	1.992

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.593	13.04	7.802	1.997	10.57	4.254	32.44	5.749	3.148
Stddev	.018	.08	.044	.015	.07	.005	.14	.012	.009
%RSD	.5135	.6089	.5652	.7634	.6987	.1268	.4194	.2051	.2752
#1	3.577	12.98	7.785	1.997	10.50	4.259	32.32	5.750	3.138
#2	3.613	13.00	7.769	1.981	10.58	4.249	32.42	5.737	3.151
#3	3.589	13.13							

Sample Name: HSTD Acquired: 3/25/2016 9:37:01 Type: QC
 Method: 60102007_042011(v28) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4940	78.33	4.000	3.927	3.937	78.04	3.951	3.955	3.931
Stddev	.0019	.22	.004	.014	.014	.41	.005	.004	.009
%RSD	.3872	.2868	.0995	.3590	.3575	.5229	.1183	.1088	.2334
#1	.4921	78.12	3.997	3.911	3.928	77.60	3.954	3.958	3.924
#2	.4959	78.31	3.997	3.938	3.930	78.12	3.945	3.950	3.941
#3	.4940	78.56	4.004	3.932	3.953	78.40	3.953	3.956	3.928

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.942	78.54	78.48	78.68	3.894	3.943	78.47	3.954	4.008
Stddev	.009	.34	.48	.57	.004	.005	.21	.009	.006
%RSD	.2175	.4367	.6176	.7221	.0949	.1342	.2731	.2252	.1414
#1	3.938	78.30	77.94	78.12	3.892	3.942	78.36	3.960	4.012
#2	3.936	78.39	78.62	78.66	3.892	3.938	78.33	3.943	4.001
#3	3.952	78.93	78.87	79.26	3.899	3.949	78.71	3.958	4.010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.999	3.981	3.701	3.919	3.872	3.964	3.977	3.941	3.948
Stddev	.007	.003	.004	.003	.039	.020	.006	.009	.003
%RSD	.1793	.0822	.1180	.0746	.9954	.4961	.1405	.2369	.0647
#1	4.003	3.980	3.701	3.919	3.835	3.972	3.976	3.932	3.950
#2	3.991	3.978	3.696	3.916	3.870	3.978	3.972	3.951	3.947
#3	4.004	3.985	3.705	3.922	3.912	3.941	3.983	3.939	3.945

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 3/25/2016 9:37:01 Type: QC
 Method: 60102007_042011(v28) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2186.3	4766.0	40120.	4189.3
Stddev	4.3	9.4	41.	28.4
%RSD	.19763	.19658	.10156	.67769
#1	2186.1	4765.6	40167.	4211.8
#2	2190.7	4775.5	40096.	4198.8
#3	2182.0	4756.8	40096.	4157.4

7.1
7

Sample Name: ICV Acquired: 3/25/2016 9:43:53 Type: QC
 Method: 60102007_042011(v28) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2363	40.20	1.937	2.007	1.994	41.58	1.977	1.979	1.969
Stddev	.0007	.14	.001	.007	.011	.22	.006	.005	.010
%RSD	.2903	.3390	.0367	.3409	.5335	.5257	.3227	.2599	.5250
#1	.2368	40.28	1.937	2.013	2.001	41.63	1.982	1.982	1.971
#2	.2355	40.04	1.936	2.000	1.982	41.35	1.980	1.982	1.978
#3	.2366	40.28	1.938	2.010	1.999	41.78	1.970	1.973	1.958

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.923	41.08	41.15	41.50	2.023	1.883	41.48	1.994	1.953
Stddev	.004	.16	.13	.31	.010	.003	.10	.006	.006
%RSD	.1879	.3942	.3148	.7450	.5079	.1591	.2298	.3199	.3230
#1	1.926	41.12	41.23	41.51	2.025	1.885	41.57	2.000	1.960
#2	1.919	40.90	41.00	41.19	2.033	1.884	41.38	1.995	1.952
#3	1.922	41.22	41.21	41.81	2.012	1.879	41.47	1.988	1.948

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.957	1.977	1.297	1.993	1.905	1.938	2.013	1.866	1.991
Stddev	.004	.004	.0007	.010	.008	.005	.007	.005	.009
%RSD	.1915	.1769	.5023	.4998	.4156	.2532	.3409	.2742	.4366
#1	1.960	1.978	.1304	2.000	1.909	1.940	2.020	1.867	1.995
#2	1.957	1.980	.1292	1.997	1.896	1.942	2.013	1.871	1.997
#3	1.953	1.974	.1294	1.982	1.910	1.933	2.007	1.861	1.981

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 3/25/2016 9:43:53 Type: QC
 Method: 60102007_042011(v28) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2386.0	5012.5	41903.	4330.3
Stddev	5.1	10.0	175.	31.9
%RSD	.21250	.20005	.41761	.73568
#1	2380.6	5007.2	41924.	4328.6
#2	2386.8	5006.3	41719.	4362.9
#3	2390.7	5024.1	42067.	4299.2

Sample Name: ICB Acquired: 3/25/2016 9:52:00 Type: QC
 Method: 60102007_042011(v28) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.116	-0.005	.0001	-0.0002	-0.0027	.0000	.0000	-0.0005
Stddev	.0002	.0041	.0002	.0001	.0000	.0019	.000	.000	.0001
%RSD	1026.	35.47	40.02	97.41	16.72	69.94	20.06	1117.	12.20
#1	.0001	-0.163	-0.004	.0001	-0.001	-0.008	.0000	.0000	-0.004
#2	.0002	-0.092	-0.003	.0002	-0.002	-0.046	.0000	.0000	-0.005
#3	-0.002	-0.093	-0.007	.0000	-0.002	-0.027	-0.001	.0000	-0.005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.018	-0.052	-0.159	-0.086	-0.001	-0.001	.0012	-0.001	.0000
Stddev	.0003	.0011	.0284	.0139	.0000	.0001	.0068	.0000	.001
%RSD	19.29	21.22	178.7	160.4	23.44	95.14	552.5	32.16	6562.
#1	-0.018	-0.041	-0.038	-0.159	-0.001	-0.001	-0.051	-0.001	.0000
#2	-0.014	-0.051	-0.0484	.0073	-0.001	-0.002	.0083	.0000	-0.008
#3	-0.021	-0.063	.0045	-0.173	-0.001	.0000	.0005	-0.001	.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0002	-0.004	.0002	-0.0002	.0000	.0003	-0.002	-0.0006
Stddev	.0007	.0019	.0002	.0001	.0001	.0000	.0003	.0002	.0000
%RSD	304.9	938.1	56.05	41.89	33.82	206.8	101.9	77.41	7.551
#1	.0007	-0.016	-0.002	.0003	-0.002	.0000	.0005	.0000	-0.006
#2	.0005	.0001	-0.003	.0001	-0.002	.0000	.0003	-0.003	-0.006
#3	-0.005	.0021	-0.006	.0003	-0.001	.0000	.0000	-0.004	-0.006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 3/25/2016 9:52:00 Type: QC
 Method: 60102007_042011(v28) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2729.0	5141.4	43012.	4313.1
Stddev	2.4	10.0	11.	37.3
%RSD	.08952	.19532	.02555	.86575
#1	2730.6	5153.0	43003.	4319.3
#2	2730.3	5136.6	43007.	4346.9
#3	2726.2	5134.7	43024.	4273.0

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.018	-0.052	-0.159	-0.086	-0.001	-0.001	.0012	-0.001	.0000
Stddev	.0003	.0011	.0284	.0139	.0000	.0001	.0068	.0000	.001
%RSD	19.29	21.22	178.7	160.4	23.44	95.14	552.5	32.16	6562.
#1	-0.018	-0.041	-0.038	-0.159	-0.001	-0.001	-0.051	-0.001	.0000
#2	-0.014	-0.051	-0.0484	.0073	-0.001	-0.002	.0083	.0000	-0.008
#3	-0.021	-0.063	.0045	-0.173	-0.001	.0000	.0005	-0.001	.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0002	-0.004	.0002	-0.0002	.0000	.0003	-0.002	-0.0006
Stddev	.0007	.0019	.0002	.0001	.0001	.0000	.0003	.0002	.0000
%RSD	304.9	938.1	56.05	41.89	33.82	206.8	101.9	77.41	7.551
#1	.0007	-0.016	-0.002	.0003	-0.002	.0000	.0005	.0000	-0.006
#2	.0005	.0001	-0.003	.0001	-0.002	.0000	.0003	-0.003	-0.006
#3	-0.005	.0021	-0.006	.0003	-0.001	.0000	.0000	-0.004	-0.006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CRIA Acquired: 3/25/2016 9:55:44 Type: QC
 Method: 60102007_042011(v28) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0090	.1995	.0102	.2031	.0050	1.044	.0055	.0546	.0107
Stddev	.0003	.0070	.0003	.0010	.0000	.006	.0001	.0002	.0002
%RSD	3.139	3.501	3.261	4.772	.4527	5.693	1.168	3.540	1.945
#1	.0093	.1915	.0101	.2020	.0051	1.049	.0055	.0547	.0109
#2	.0087	.2041	.0099	.2038	.0050	1.037	.0055	.0544	.0107
#3	.0090	.2031	.0105	.2035	.0051	1.046	.0056	.0547	.0105

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0245	.3163	10.15	5.176	.0168	.0513	10.29	.0446	.0050
Stddev	.0002	.0024	.05	.057	.0000	.0002	.01	.0002	.0001
%RSD	.7249	.7666	4.478	1.102	.0809	.3051	.1368	.4696	1.536
#1	.0243	.3179	10.19	5.239	.0168	.0512	10.29	.0444	.0050
#2	.0246	.3135	10.10	5.127	.0168	.0514	10.28	.0445	.0051
#3	.0246	.3175	10.17	5.162	.0168	.0514	10.31	.0448	.0051

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0057	.0107	.0020	.0547	.0100	.0107	.0103	.0509	.0222
Stddev	.0002	.0015	.0002	.0002	.0000	.0000	.0015	.0003	.0001
%RSD	3.027	13.81	12.15	.2977	.4769	.3247	14.72	.5884	.3722
#1	.0055	.0110	.0018	.0545	.0100	.0107	.0096	.0508	.0221
#2	.0057	.0091	.0020	.0547	.0101	.0106	.0093	.0506	.0221
#3	.0058	.0120	.0022	.0548	.0100	.0106	.0121	.0512	.0223

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 3/25/2016 9:55:44 Type: QC
 Method: 60102007_042011(v28) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2623.3	5059.3	42035.	4282.8
Stddev	5.5	8.8	144.	11.9
%RSD	.20868	.17347	.34226	.2797
#1	2617.2	5050.9	42199.	4269.0
#2	2627.9	5058.6	41975.	4289.5
#3	2624.6	5068.5	41930.	4289.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0245	.3163	10.15	5.176	.0168	.0513	10.29	.0446	.0050
Stddev	.0002	.0024	.05	.057	.0000	.0002	.01	.0002	.0001
%RSD	.7249	.7666	4.478	1.102	.0809	.3051	.1368	.4696	1.536
#1	.0243	.3179	10.19	5.239	.0168	.0512	10.29	.0444	.0050
#2	.0246	.3135	10.10	5.127	.0168	.0514	10.28	.0445	.0051
#3	.0246	.3175	10.17	5.162	.0168	.0514	10.31	.0448	.0051

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0057	.0107	.0020	.0547	.0100	.0107	.0103	.0509	.0222
Stddev	.0002	.0015	.0002	.0002	.0000	.0000	.0015	.0003	.0001
%RSD	3.027	13.81	12.15	.2977	.4769	.3247	14.72	.5884	.3722
#1	.0055	.0110	.0018	.0545	.0100	.0107	.0096	.0508	.0221
#2	.0057	.0091	.0020	.0547	.0101	.0106	.0093	.0506	.0221
#3	.0058	.0120	.0022	.0548	.0100	.0106	.0121	.0512	.0223

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSEA Acquired: 3/25/2016 10:02:46 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	498.3	.0018	-0.002	-0.003	476.6	.0000	-0.001	.0000
Stddev	.0001	4.4	.0011	.0002	.0000	5.6	.000	.0001	.000
%RSD	123.1	.8880	60.84	140.9	.6659	1.171	376.2	53.92	1185.

#1	.0000	497.7	.0005	-0.003	-0.003	477.1	-0.002	-0.001	-0.001
#2	-0.002	494.2	.0026	-0.002	-0.003	470.8	.0000	-0.001	.0001
#3	-0.001	502.9	.0024	.0001	-0.003	481.9	.0001	-0.002	-0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.014	188.0	.0314	518.2	-0.005	.0003	.1242	.0002	.0000
Stddev	.0002	.8	.0330	2.9	.0001	.0002	.0054	.0001	.001
%RSD	14.83	.4113	105.3	.5524	15.57	48.41	4.387	34.83	112400.

#1	-0.017	187.9	.0081	519.2	-0.005	.0005	.1225	.0002	.0013
#2	-0.013	187.2	.0692	515.0	-0.004	.0002	.1303	.0003	.0000
#3	-0.014	188.7	.0169	520.5	-0.006	.0003	.1198	.0001	-0.012

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0000	.0094	F .0018	.0000	.0000	.0000	.0000	-0.0029
Stddev	.0016	.0025	.0002	.0009	.0001	.000	.0015	.000	.0002
%RSD	220.7	3598.0	2.134	49.07	569.3	272.3	7156.	1730.	5.278

#1	.0001	-0.024	.0094	.0017	.0001	-0.002	-0.004	.0001	-0.029
#2	.0025	.0026	.0093	.0027	.0001	.0000	.0017	-0.002	-0.027
#3	-0.004	-0.002	.0097	.0010	-0.001	.0000	-0.012	.0000	-0.030

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSEA Acquired: 3/25/2016 10:02:46 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2075.0	4539.4	3704.0	3991.3
Stddev	4.5	6.1	65.	39.2
%RSD	.21752	.13544	.17588	.98212

#1	2071.3	4546.0	36967.	3990.8
#2	2080.0	4538.3	37091.	4030.7
#3	2073.6	4533.9	37062.	3952.3

7.1
7

Sample Name: ICSAB Acquired: 3/25/2016 10:09:14 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.024	505.8	1.108	.5077	.5163	481.8	.9710	.4760	.5128
Stddev	.004	8.0	.004	.0009	.0029	1.8	.0012	.0010	.0007
%RSD	.4263	1.577	.3664	.1787	.5521	.3793	.1241	.2089	.1373

#1	1.025	511.7	1.103	.5072	.5135	483.1	.9696	.4749	.5134
#2	1.020	496.7	1.108	.5071	.5164	479.7	.9719	.4768	.5130
#3	1.029	509.1	1.111	.5087	.5192	482.6	.9715	.4763	.5120

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5382	192.1	.0158	526.7	.5152	.9546	.1485	.9679	.9719
Stddev	.0014	.7	.0197	2.5	.0018	.0018	.0057	.0008	.0017
%RSD	.2623	.3426	124.5	.4702	.3515	.1850	3.821	.0817	.1704

#1	.5385	191.4	.0252	524.6	.5147	.9527	.1420	.9679	.9725
#2	.5366	192.2	-.0068	526.0	.5172	.9560	.1510	.9672	.9731
#3	.5394	192.7	.0291	529.5	.5137	.9553	.1524	.9688	.9700

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.035	1.020	.0439	.9363	1.022	.9986	.9600	.4800	.9589
Stddev	.003	.002	.0008	.0033	.004	.0020	.0024	.0015	.0022
%RSD	.2551	.1724	1.838	.3518	.3517	.2022	.2490	.3151	.2338

#1	1.032	1.018	.0436	.9349	1.022	.9983	.9575	.4797	.9587
#2	1.036	1.021	.0448	.9400	1.018	1.001	.9603	.4816	.9612
#3	1.037	1.021	.0432	.9339	1.026	.9968	.9623	.4786	.9568

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 3/25/2016 10:09:14 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2047.4	4518.3	36936.	3910.6
Stddev	.6	5.6	61.	17.8
%RSD	.02825	.12289	.16455	.45393

#1	2047.7	4524.5	36922.	3903.7
#2	2046.7	4516.5	36884.	3930.7
#3	2047.8	4513.9	37003.	3897.3

Sample Name: CCV Acquired: 3/25/2016 10:16:22 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2564	40.28	2.061	1.981	2.052	40.58	2.088	2.066	2.088
Stddev	.0005	.08	.009	.010	.011	.15	.006	.002	.004
%RSD	.2057	.1970	.4221	.5184	.5471	.3619	.2746	.1185	.1930
#1	.2569	40.36	2.070	1.971	2.065	40.65	2.094	2.068	2.086
#2	.2565	40.21	2.052	1.982	2.044	40.69	2.083	2.063	2.085
#3	.2558	40.26	2.060	1.991	2.049	40.42	2.087	2.066	2.092

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.025	40.11	40.04	40.75	2.127	2.079	40.62	2.094	2.039
Stddev	.003	.08	.14	.16	.007	.001	.16	.006	.005
%RSD	.1670	.1981	.3461	.3827	.3429	.0656	.3915	.2841	.2517
#1	2.027	40.20	40.19	40.79	2.121	2.080	40.80	2.101	2.045
#2	2.021	40.07	39.98	40.88	2.124	2.078	40.49	2.089	2.036
#3	2.026	40.05	39.93	40.57	2.135	2.080	40.59	2.093	2.036

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.060	2.055	2.362	2.086	2.027	2.141	2.061	2.109	2.064
Stddev	.005	.004	.004	.004	.009	.004	.002	.003	.007
%RSD	.2365	.1940	.1527	.1810	.4375	.1987	.0824	.1318	.3553
#1	2.054	2.059	2.362	2.090	2.018	2.138	2.061	2.106	2.072
#2	2.061	2.051	2.358	2.085	2.028	2.140	2.059	2.109	2.058
#3	2.064	2.055	2.365	2.083	2.035	2.146	2.063	2.112	2.062

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/25/2016 10:16:22 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2345.2	4882.6	4065.5	4144.7
Stddev	3.5	8.0	41.	35.1
%RSD	.14873	.16422	.10010	.84631
#1	2348.9	4891.6	4068.4	4116.1
#2	2344.7	4880.1	4060.9	4134.0
#3	2342.0	4876.1	4067.4	4183.8

7.1
7

Sample Name: CCB Acquired: 3/25/2016 10:24:23 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	-0.0045	0.0002	0.0002	0.0000	0.0012	0.0000	0.0000	-0.0003
Stddev	.0002	.0078	.0004	.0002	.000	.0027	.000	.000	.0002
%RSD	379.6	172.0	284.8	129.9	152.9	232.9	398.7	333.7	90.43
#1	.0001	.0044	.0003	.0004	-.0001	.0018	.0000	.0000	-.0005
#2	.0000	-.0091	-.0003	.0001	.0000	-.0018	.0000	.0000	-.0002
#3	-.0003	-.0089	.0005	.0000	.0000	.0034	.0000	-.0001	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0020	0.0005	0.0076	-0.0171	-0.0001	-0.0003	0.0052	0.0001	0.0004
Stddev	.0002	.0048	.0403	.0151	.0000	.0001	.0061	.0001	.0002
%RSD	11.05	1015.	527.5	87.97	39.44	17.21	118.5	93.69	45.55
#1	-.0017	.0026	.0053	-.0197	.0000	-.0003	.0038	.0000	.0002
#2	-.0020	.0039	-.0314	-.0010	-.0001	-.0004	-.0002	.0002	.0006
#3	-.0022	-.0051	.0490	-.0308	-.0001	-.0004	.0119	.0001	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0003	0.0000	-0.0023	0.0000	0.0000	-0.0001	0.0004	0.0000	-0.0006
Stddev	.0003	.002	.0003	.0005	.000	.0000	.0006	.0002	.0000
%RSD	97.69	165800.	12.53	1493.	364.4	32.86	140.5	625.0	4.998
#1	.0004	.0003	-.0019	.0006	-.0001	-.0001	.0002	.0000	-.0006
#2	.0000	.0020	-.0023	-.0004	.0000	-.0001	.0000	-.0001	-.0005
#3	.0005	-.0023	-.0025	-.0001	.0001	-.0001	.0011	.0002	-.0006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/25/2016 10:24:23 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2746.4	5185.6	4302.4	4271.3
Stddev	1.7	7.6	189.	31.6
%RSD	.06113	.14624	.43964	.73903
#1	2744.4	5177.3	4281.1	4269.2
#2	2747.3	5187.2	4309.1	4240.8
#3	2747.4	5192.2	4317.1	4303.8

Sample Name: FA32159-1 Acquired: 3/25/2016 10:29:53 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0043	307.4	2140	1.061	0.142	84.83	-0027	.6956	.4502
Stddev	.0017	.8	.0042	.004	.0006	.39	.0006	.0022	.0037
%RSD	39.62	2488	1.978	.4096	4.344	4.553	21.49	.3193	.8194
#1	-0037	308.2	2165	1.066	.0137	85.24	-0029	.6936	.4522
#2	-0063	307.1	2163	1.059	.0141	84.48	-0032	.6952	.4525
#3	-0030	306.8	2091	1.058	.0149	84.75	-0021	.6980	.4460
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6509	677.3	41.30	118.4	18.27	0.100	10.05	.6185	.2596
Stddev	.0050	.8	.18	.6	.08	.0017	.02	.0029	.0101
%RSD	.7701	.1149	.4461	.4692	.4510	17.44	.1519	.4660	3.887
#1	.6509	677.9	41.33	117.9	18.29	.0116	10.06	.6187	.2482
#2	.6459	676.4	41.10	118.4	18.34	.0082	10.05	.6155	.2635
#3	.6559	677.6	41.46	119.0	18.18	.0102	10.03	.6212	.2672
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0061	.0226	11.84	.0318	1.443	.6223	.0022	.7377	2.462
Stddev	.0058	.0081	.03	.0010	.003	.0029	.0067	.0022	.011
%RSD	95.33	35.84	.2482	3.005	.1958	4.598	299.9	.3017	4.285
#1	-0084	.0268	11.81	.0327	1.446	.6239	-0046	.7401	2.454
#2	-0105	.0132	11.86	.0308	1.441	.6241	.0088	.7374	2.457
#3	.0005	.0277	11.86	.0318	1.442	.6190	.0025	.7357	2.474
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2567.5	5287.6	4396.1	4451.4					
Stddev	6.4	13.1	153.	16.9					
%RSD	.24745	.24847	.34786	.38055					
#1	2574.6	5302.5	43880.	4441.7					
#2	2562.4	5277.6	43866.	4470.9					
#3	2565.5	5282.7	44138.	4441.5					

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Sample Name: FA32495-1 Acquired: 3/25/2016 10:34:14 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0015	219.5	.1903	2.318	.0147	111.3	.0066	.2624	.3297
Stddev	.0001	.2	.0005	.002	.0001	.3	.0000	.0001	.0018
%RSD	5.165	.0768	.2804	.0904	.5863	2.444	.5850	.0484	.5335
#1	-0016	219.7	.1909	2.321	.0147	111.0	.0066	.2624	.3317
#2	-0015	219.3	.1901	2.316	.0148	111.6	.0065	.2622	.3290
#3	-0015	219.5	.1898	2.318	.0146	111.3	.0066	.2624	.3283
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3828	489.9	24.95	93.39	F 16.96	.0216	.9743	.6792	.3851
Stddev	.0015	.4	.01	.11	.05	.0003	.0021	.0015	.0018
%RSD	.3942	.0721	.0391	.1174	.3045	1.177	.2191	.2171	.4786
#1	.3812	489.5	24.94	93.29	16.96	.0218	.9722	.6806	.3840
#2	.3830	490.2	24.94	93.51	16.91	.0213	.9765	.6776	.3840
#3	.3842	490.1	24.96	93.37	17.01	.0216	.9742	.6793	.3872
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0014	-0106	5.363	.0187	.2601	1.290	.0096	.4338	1.319
Stddev	.0017	.0040	.012	.0004	.0008	.004	.0018	.0014	.002
%RSD	121.2	38.10	.2244	2.186	.3118	3.205	18.58	3.291	1.290
#1	.0031	-0088	5.376	.0184	.2596	1.294	.0109	.4351	1.320
#2	-0003	-0078	5.358	.0184	.2597	1.290	.0075	.4339	1.319
#3	.0015	-0153	5.354	.0191	.2610	1.285	.0102	.4323	1.317
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2458.5	6536.0	5436.5	5586.0					
Stddev	1.8	14.1	154.	7.2					
%RSD	.07403	.21508	.28254	.12866					
#1	2459.5	6526.2	54193.	5593.0					
#2	2456.4	6529.7	54414.	5586.3					
#3	2459.5	6552.1	54488.	5578.6					

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7.1
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Sample Name: FA32495-2 Acquired: 3/25/2016 10:38:39 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0018	259.5	.1720	2.076	.0174	37.66	.0016	.2525	.3748
Stddev	.0007	.5	.0017	.006	.0001	.17	.0004	.0002	.0012
%RSD	39.20	1.809	.9862	.2840	.4618	4.556	24.02	.0918	.3092
#1	-0021	259.9	.1723	2.077	.0174	37.84	.0012	.2524	.3755
#2	-0023	259.5	.1702	2.070	.0173	37.65	.0019	.2528	.3735
#3	-0010	259.0	.1736	2.082	.0174	37.50	.0017	.2524	.3754
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3794	556.2	24.23	53.40	F 17.22	.0217	.7111	.4507	4054
Stddev	.0010	1.9	.11	.17	.01	.0005	.0026	.0005	.0011
%RSD	.2611	.3502	.4347	.3119	.0841	2.271	.3631	.1035	.2684
#1	.3801	557.9	24.35	53.56	17.23	.0223	.7127	.4505	.4051
#2	.3799	556.6	24.16	53.40	17.20	.0213	.7081	.4513	.4067
#3	.3783	554.1	24.19	53.23	17.22	.0216	.7124	.4505	.4045
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0019	-0124	5.485	.0216	.2184	1.136	.0084	.4719	1.878
Stddev	.0021	.0050	.013	.0003	.0009	.004	.0019	.0012	.004
%RSD	112.1	40.23	.2298	1.478	.3980	3.421	22.81	2.589	2.133
#1	.0010	-0180	5.476	.0215	.2194	1.140	.0066	.4719	1.882
#2	.0003	-0084	5.499	.0214	.2178	1.132	.0082	.4707	1.874
#3	.0043	-0109	5.479	.0220	.2179	1.137	.0104	.4732	1.879
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2484.7	6521.9	5395.8	5412.7					
Stddev	7.7	9.2	155.	37.0					
%RSD	.31051	.14033	.28692	.68266					
#1	2486.8	6532.3	5377.9	5383.1					
#2	2491.1	6518.3	5403.9	5400.9					
#3	2476.1	6515.1	5405.5	5454.1					

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Sample Name: FA32283-5 Acquired: 3/25/2016 10:45:50 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0003	.0611	.0205	.4112	-0024	256.9	-0019	.0103	-0014
Stddev	.0028	.0512	.0033	.0012	.0006	1.8	.0003	.0007	.0006
%RSD	858.6	83.80	16.22	.3022	25.07	.7046	18.00	6.400	47.91
#1	-0035	.1116	.0212	.4124	-0026	256.0	-0015	.0097	-0015
#2	.0013	.0624	.0169	.4112	-0017	259.0	-0021	.0102	-0019
#3	.0013	.0093	.0234	.4100	-0028	255.8	-0020	.0110	-0006
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0165	136.1	5.701	71.20	2.549	-0078	374.6	.0010	.0001
Stddev	.0015	.9	.075	.49	.003	.0014	1.2	.0027	.0113
%RSD	8.967	.6494	1.308	.6873	.1217	17.78	.3303	266.7	11430.
#1	-0168	135.7	5.763	70.70	2.551	-0063	374.4		

Sample Name: MP30160-D1 Acquired: 3/25/2016 10:50:16 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0003	-0.0264	0.0184	4.324	-0.0021	269.7	-0.0022	0.0105	-0.0027
Stddev	.0018	.0255	.0049	.0020	.0002	1.0	.0003	.0001	.0019
%RSD	525.1	96.62	26.40	.4629	10.72	.3836	13.17	1.209	71.39
#1	.0021	-0.0236	.0141	.4302	-.0018	268.7	-.0020	.0103	-.0050
#2	-.0004	-.0533	.0173	.4329	-.0022	269.6	-.0025	.0106	-.0018
#3	-.0015	-.0024	.0237	.4341	-.0022	270.8	-.0020	.0106	-.0014
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)
Avg	-0.0163	142.9	5.916	74.66	2.665	-0.0062	392.7	0.0037	-0.0010
Stddev	.0008	.2	.347	.04	.0016	1.3	.0020	.0102	.0009
%RSD	5.171	.1618	5.864	.0570	.1426	25.89	.3202	54.70	986.7
#1	-0.0155	142.6	5.705	74.67	2.662	-0.0047	391.3	.0035	.0093
#2	-0.0171	143.0	6.317	74.69	2.669	-0.0079	393.0	.0017	-0.0112
#3	-0.0163	143.1	5.727	74.61	2.664	-0.0060	393.7	.0057	-0.0012
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0028	-0.0140	8.521	-0.0018	1.646	0.0038	-0.0077	-0.0037	-0.1320
Stddev	.0074	.0089	.005	.0021	.004	.0006	.0072	.0002	.0005
%RSD	262.9	63.18	.0568	119.9	.2515	14.76	93.54	5.776	4051
#1	.0017	-.0069	8.517	-.0033	1.643	.0033	-.0007	-.0039	.1326
#2	-.0040	-.0239	8.521	-.0028	1.651	.0036	-.0073	-.0034	.1318
#3	.0108	-.0113	8.526	.0007	1.645	.0044	-.0150	-.0037	.1316
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2575.0	5096.3	4170.1	4249.7					
Stddev	1.6	7.4	36	28.4					
%RSD	.06396	.14557	.08666	.66941					
#1	2576.5	5104.8	4169.3	4241.9					
#2	2575.3	5092.9	4167.0	4281.2					
#3	2573.2	5091.2	4174.1	4225.9					

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Sample Name: MP30160-S1 Acquired: 3/25/2016 10:54:44 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0525	29.64	2.172	2.534	.0527	285.9	.0534	.5606	.2211
Stddev	.0011	.21	.003	.005	.0003	2.5	.0005	.0012	.0015
%RSD	2.103	.7080	.1508	.1877	.5782	.8655	.9267	.2125	.6963
#1	.0537	29.85	2.168	2.533	.0525	288.2	.0533	.5620	.2223
#2	.0523	29.43	2.173	2.539	.0527	286.2	.0539	.5601	.2193
#3	.0516	29.64	2.174	2.529	.0531	283.3	.0530	.5597	.2216
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)
Avg	.2542	165.5	33.50	99.63	3.094	5316	402.9	5680	5289
Stddev	.0028	1.0	.18	.95	.012	.0010	1.6	.0030	.0037
%RSD	1.095	.5782	.5316	.9506	.3715	.1829	4.081	.5281	.6950
#1	.2556	166.4	33.68	100.4	3.103	5324	404.7	5683	5247
#2	.2561	165.6	33.50	99.98	3.099	5305	402.7	5649	5313
#3	.2510	164.5	33.32	98.56	3.081	5318	401.4	5709	5307
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5393	2.170	8.077	.5631	2.100	.5680	2.138	.5311	.7099
Stddev	.0024	.036	.004	.0014	.010	.0035	.006	.0033	.0026
%RSD	.4464	1.680	.0431	.2542	.4655	.6181	.2938	.6201	.3635
#1	.5420	2.170	8.081	.5645	2.111	.5708	2.140	.5341	.7113
#2	.5379	2.134	8.074	.5633	2.099	.5692	2.131	.5316	.7115
#3	.5378	2.207	8.076	.5616	2.091	.5641	2.144	.5276	.7069
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2550.9	5114.1	4203.1	4239.4					
Stddev	7.7	5.5	70	31.2					
%RSD	.30010	.10811	.16714	.73637					
#1	2542.4	5107.7	4195.1	4214.3					
#2	2553.0	5116.7	4208.2	4229.7					
#3	2557.3	5117.8	4206.0	4274.4					

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Sample Name: MP30160-S2 Acquired: 3/25/2016 10:59:05 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0549	31.22	2.227	2.671	0.0561	307.2	0.0560	0.5842	0.2363
Stddev	.0016	.28	.001	.017	.0006	2.2	.0005	.0016	.0017
%RSD	2.927	.8911	.0341	.6501	1.060	.7112	.9712	.2738	.7061
#1	.0540	31.12	2.227	2.664	.0562	305.4	.0564	.5851	.2380
#2	.0568	31.53	2.227	2.690	.0566	309.6	.0554	.5823	.2347
#3	.0540	31.00	2.226	2.657	.0554	306.5	.0563	.5851	.2362
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.2680	176.3	35.10	106.0	3.274	5536	428.9	5852	5554
Stddev	.0018	1.3	.38	1.1	.013	.0024	2.5	.0013	.0037
%RSD	.6533	.7241	1.084	.9975	.4058	4.353	.5861	.2221	.6668
#1	.2700	175.4	34.96	105.5	3.271	.5510	428.2	.5838	.5576
#2	.2669	177.7	35.54	107.2	3.289	.5541	431.7	.5864	.5512
#3	.2670	175.7	34.82	105.3	3.263	.5557	426.8	.5854	.5576
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.5537	2.225	8.478	0.5869	2.240	0.5902	2.227	0.5506	0.7558
Stddev	.0075	.015	.007	.0006	.016	.0051	.016	.0008	.0016
%RSD	1.361	.6600	.0882	.1082	.7281	.8678	.7139	.1464	.2101
#1	.5609	2.221	8.485	.5871	2.226	.5897	2.227	.5515	.7539
#2	.5543	2.213	8.470	.5861	2.258	.5956	2.211	.5505	.7569
#3	.5459	2.241	8.478	.5873	2.237	.5854	2.243	.5499	.7564
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2518.0	5081.0	4126.1	4169.8					
Stddev	3.0	3.6	212	40.0					
%RSD	.11859	.07045	.51262	.95995					
#1	2515.9	5084.1	4119.0	4188.0					
#2	2516.6	5081.8	4109.4	4123.9					
#3	2521.4	5077.0	4149.9	4197.5					

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Sample Name: MP30160-PS1 Acquired: 3/25/2016 11:03:25 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0528	2.792	1.190	0.6934	0.0525	264.3	0.0541	0.0663	0.0538
Stddev	.0015	.047	.0016	.0061	.0005	.4	.0005	.0007	.0007
%RSD	2.863	1.684	1.325	.8802	.9392	.1362	.8876	1.084	1.243
#1	.0522	2.817	1.173	.7001	.0521	263.9	.0546	.0655	.0543
#2	.0545	2.821	1.191	.6881	.0525	264.4	.0537	.0668	.0530
#3	.0517	2.738	1.204	.6921	.0530	264.6	.0540	.0666	.0540
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0939	138.6	16.68	76.95	2.542	1013	381.4	1.142	0.5040
Stddev	.0006	.6	.22	.35	.009	.0003	.7	.0006	.0015
%RSD	.6322	.4508	1.327	.4528	.3555	.3274	.1834	.5271	2.862
#1	.0938	138.2	16.70	77.34	2.545	.1009	381.2	.1148	.0551
#2	.0945	138.2	16.44	76.79	2.531	.1016	380.8	.1136	.0522
#3	.0933	139.3	16.89	76.70	2.548	.1014	382.2	.1143	.0547
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062

Sample Name: MP30160-SD1 Acquired: 3/25/2016 11:08:01 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 50.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.025	-2.257	0.134	4.421	-0.107	272.5	-0.020	0.075	-0.164
Stddev	.0087	.2769	.0395	.0094	.0011	.7	.0010	.0037	.0049
%RSD	348.4	122.7	294.0	2.131	9.971	2.432	47.46	48.63	29.79
#1	-.0122	.0940	-.0321	.4315	-.0119	271.7	-.0015	.0034	-.0132
#2	-.0049	-.3908	.0336	.4495	-.0102	273.0	-.0031	.0089	-.0139
#3	-.0002	-.3802	.0389	.4453	-.0099	272.7	-.0014	.0103	-.0220
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0973	141.3	5.452	74.49	2.613	-0.467	385.8	-0.050	0.020
Stddev	.0066	.9	1.520	.53	.005	.0037	1.3	.0046	.0189
%RSD	6.762	.6017	27.88	.7180	.1834	7.887	.3359	92.08	926.4
#1	-.1030	140.6	4.938	74.16	2.616	-.0494	384.4	-.0003	.0062
#2	-.0901	141.1	7.162	74.21	2.608	-.0481	387.0	-.0094	-.0186
#3	-.0986	142.3	4.255	75.11	2.615	-.0425	386.1	-.0052	-.0186
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0089	-0.054	8.147	-0.011	1.639	-0.152	0.541	-0.118	-.3636
Stddev	.0258	.0379	.039	.0100	.006	.0024	.0210	.0070	.0010
%RSD	290.7	68.43	4.781	905.8	.3587	15.24	38.84	59.49	2.660
#1	-.0095	-.0931	8.110	.0099	1.633	-.0169	.0482	-.0094	.3646
#2	-.0172	-.0172	8.188	-.0095	1.642	-.0161	.0367	-.0063	.3633
#3	-.0343	-.0560	8.143	-.0038	1.644	-.0125	.0775	-.0198	.3628
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2667.2	5175.0	42605.	4223.6					
Stddev	6.2	9.8	109.	8.6					
%RSD	.23253	.18948	.25644	.20393					
#1	2672.2	5185.4	42479.	4233.4					
#2	2660.3	5165.9	42675.	4220.5					
#3	2669.2	5173.7	42661.	4217.1					

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Sample Name: FA32283-4 Acquired: 3/25/2016 11:12:29 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.547	0.197	2.895	-0.002	126.0	-0.007	0.041	0.006
Stddev	.0004	.0107	.0005	.0014	.0001	.4	.0001	.0001	.0002
%RSD	256.5	19.63	2.563	4.950	31.35	3.272	12.24	2.228	36.77
#1	-.0006	.0572	.0197	.2911	-.0001	126.2	-.0007	.0042	.0005
#2	-.0001	.0640	.0192	.2888	-.0002	125.5	-.0007	.0040	.0004
#3	-.0002	.0429	.0202	.2885	-.0001	126.3	-.0008	.0042	.0009
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.004	58.69	7.056	35.58	1.287	-0.002	135.6	0.028	-0.005
Stddev	.0003	.21	.050	.19	.005	.0000	.1	.0002	.0011
%RSD	71.58	.3503	.7065	.5202	.3622	21.09	.0729	7.626	227.8
#1	-.0002	58.86	7.105	35.37	1.282	-.0002	135.5	.0026	-.0017
#2	-.0007	58.46	7.057	35.70	1.287	-.0002	135.6	.0030	-.0005
#3	-.0003	58.74	7.006	35.68	1.291	-.0002	135.7	.0026	-.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0002	-0.014	8.778	0.005	0.8679	0.023	0.002	0.002	0.0210
Stddev	.0007	.0014	.008	.0001	.0036	.0000	.0021	.0001	.0001
%RSD	319.7	105.7	.0871	26.60	.4193	1.585	982.6	35.23	.4711
#1	-.0008	.0001	8.772	.0004	.8719	.0024	-.0022	.0003	.0211
#2	-.0005	-.0014	8.776	.0006	.8671	.0023	.0015	.0002	.0209
#3	-.0004	-.0028	8.787	.0006	.8647	.0023	.0013	.0002	.0210
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2344.9	4818.0	39691.	4050.6					
Stddev	1.8	8.6	79.	26.2					
%RSD	.07845	.17842	.20012	.64688					
#1	2345.7	4824.3	39741.	4060.8					
#2	2346.3	4821.5	39731.	4070.2					
#3	2342.8	4808.2	39599.	4020.9					

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Sample Name: CCV Acquired: 3/25/2016 11:17:03 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.610	41.48	2.018	2.083	2.063	42.48	2.076	2.075	2.100
Stddev	.0006	.09	.005	.003	.007	.09	.001	.001	.004
%RSD	.2184	.2229	.2345	.1330	.3457	.2015	.0515	.0557	.1951
#1	.2611	41.42	2.021	2.085	2.071	42.47	2.077	2.076	2.104
#2	.2604	41.58	2.013	2.083	2.063	42.57	2.075	2.075	2.100
#3	.2615	41.42	2.021	2.080	2.057	42.40	2.075	2.073	2.096

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.052	40.83	41.90	42.03	2.090	2.076	41.10	2.060	2.058
Stddev	.004	.04	.10	.12	.010	.001	.07	.003	.009
%RSD	.1909	.1080	.2338	.2846	.4796	.0440	.1712	.1302	.4109
#1	2.057	40.84	41.94	41.95	2.102	2.076	41.16	2.062	2.060
#2	2.050	40.86	41.79	42.17	2.084	2.077	41.12	2.061	2.048
#3	2.050	40.78	41.97	41.98	2.084	2.075	41.02	2.057	2.064

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.017	2.028	2.315	2.120	2.119	2.104	2.065	2.089	2.111
Stddev	.004	.004	.003	.000	.004	.009	.006	.007	.001
%RSD	.1746	.1738	.1133	.0134	.1878	.4038	.2925	.3465	.0309
#1	2.016	2.029	2.317	2.120	2.118	2.114	2.064	2.097	2.112
#2	2.021	2.024	2.315	2.120	2.124	2.099	2.059	2.087	2.111
#3	2.014	2.031	2.312	2.119	2.116	2.099	2.071	2.083	2.111

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: CCV Acquired: 3/25/2016 11:17:03 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2314.7	4934.0	40522.	4039.0
Stddev	3.0	8.3	87.	10.4
%RSD	.12786	.16847	.21491	.25666
#1	2316.8	4936.5	40434.	4051.0
#2	2316.0	4924.8	40526.	4033.6
#3	2311.3	4940.8	40608.	4032.5

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Sample Name: CCB Acquired: 3/25/2016 11:21:14 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0003	-0.001	.0001	.0001	.0045	.0002	.0001	-0.001
Stddev	.0002	.0020	.0004	.0002	.0000	.0016	.0000	.0000	.0001
%RSD	95.60	719.1	398.3	302.4	52.60	34.80	30.03	34.97	190.9
#1	.0000	.0025	.0001	-0.001	.0000	.0035	.0002	.0001	-0.003
#2	.0004	-0.0001	-0.0005	.0002	.0001	.0037	.0001	.0001	.0000
#3	.0001	-0.0015	.0001	.0001	.0001	.0064	.0001	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0017	.0112	-0.134	-0.170	.0001	.0007	.0176	.0002	.0001
Stddev	.0001	.0010	.0134	.0156	.0001	.0003	.0078	.0001	.0004
%RSD	7.200	8.844	100.2	91.93	60.43	38.20	44.22	56.29	349.0
#1	-0.0019	.0123	-0.252	-0.311	.0002	.0010	.0140	.0003	.0000
#2	-0.0017	.0104	.0012	-0.003	.0001	.0005	.0266	.0002	.0005
#3	-0.0016	.0108	-0.162	-0.195	.0001	.0005	.0123	.0001	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	.0005	-0.0015	.0003	.0001	.0005	-0.0003	.0000	-0.0004
Stddev	.0003	.0016	.0001	.0001	.0001	.0001	.0004	.0003	.0000
%RSD	38.81	350.7	5.167	19.25	58.09	22.14	132.0	3331.	11.85
#1	.0006	-0.0011	-0.0015	.0003	.0001	.0007	-0.0008	.0002	-0.0004
#2	.0012	.0020	-0.0014	.0004	.0001	.0005	-0.0003	.0001	-0.0005
#3	.0007	.0005	-0.0015	.0003	.0002	.0005	.0001	-0.0003	-0.0004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/25/2016 11:21:14 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2710.3	5218.6	42760.	4199.7
Stddev	5.2	3.0	62.	7.1
%RSD	.19293	.05749	.14486	.16870
#1	2705.8	5219.1	42733.	4193.0
#2	2716.1	5215.4	42831.	4207.1
#3	2709.1	5221.3	42716.	4199.0

Sample Name: FA32283-6 Acquired: 3/25/2016 11:25:45 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0003	1.357	.0098	.3689	-0.0001	275.2	-0.0005	.0173	.0015
Stddev	.0001	.005	.0011	.0004	.0000	1.7	.0000	.0003	.0001
%RSD	31.04	.3359	10.87	.1035	39.87	.6092	4.747	1.483	9.731
#1	-0.0004	1.360	.0086	.3685	-0.0001	275.6	-0.0005	.0172	.0016
#2	-0.0002	1.352	.0106	.3692	-0.0001	276.7	-0.0005	.0171	.0014
#3	-0.0003	1.360	.0102	.3689	-0.0001	273.4	-0.0005	.0176	.0016

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0007	51.55	9.792	33.96	1.103	.0110	F 323.0	.0089	.0003
Stddev	.0001	.10	.025	.07	.012	.0002	2.1	.0000	.0005
%RSD	19.89	.2013	.2545	.2135	1.074	1.726	.6456	.2846	184.3
#1	.0006	51.44	9.789	33.96	1.099	.0112	320.5	.0089	-0.002
#2	.0009	51.65	9.817	34.03	1.093	.0108	324.2	.0088	.0003
#3	.0007	51.55	9.768	33.88	1.116	.0109	324.1	.0088	.0008

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0000	.0009	7.234	.0007	1.568	.0076	.0009	.0027	.0291
Stddev	.0008	.0009	.014	.0002	.003	.0009	.0006	.0001	.0000
%RSD	24770.	105.5	.1943	23.79	.1772	11.54	66.67	4.050	.0799
#1	.0008	.0007	7.231	.0006	1.565	.0082	.0007	.0028	.0291
#2	.0001	.0001	7.222	.0008	1.571	.0079	.0016	.0027	.0291
#3	-0.0009	.0019	7.249	.0006	1.568	.0066	.0005	.0026	.0291

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2193.5	4682.4	38185.	4009.7
Stddev	4.6	8.9	209.	5.4
%RSD	.21170	.18994	.54604	.13493
#1	2196.8	4683.4	38293.	4015.2
#2	2195.5	4690.8	38318.	4009.4
#3	2188.2	4673.1	37945.	4004.4

Sample Name: FA32283-8 Acquired: 3/25/2016 11:30:25 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0006	.0633	.0182	.4219	-0.0002	198.4	-0.0009	.0023	.0005
Stddev	.0004	.0118	.0004	.0015	.0000	1.0	.0000	.0000	.0003
%RSD	61.33	18.56	2.230	.3501	4.112	5182	5.087	2.042	66.79
#1	-0.0004	.0537	.0178	.4211	-0.0002	197.4	-0.0009	.0023	.0006
#2	-0.0004	.0764	.0186	.4209	-0.0002	198.3	-0.0009	.0023	.0001
#3	-0.0010	.0598	.0183	.4236	-0.0002	199.5	-0.0008	.0023	.0008

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0003	96.79	5.986	59.59	1.819	.0001	F 159.5	.0023	-0.0016
Stddev	.0001	.29	.020	.31	.002	.0002	1.3	.0003	.0009
%RSD	38.96	.3005	.3377	.5182	.0881	181.9	.8433	10.99	57.13
#1	-0.0003	96.69	5.962	59.26	1.820	.0001	158.0	.0024	-0.0024
#2	-0.0004	96.57	5.995	59.64	1.817	-0.0001	160.4	.0020	-0.0019
#3	-0.0002	97.12	5.999	59.88	1.819	.0003	160.3	.0025	-0.0006

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0002	.0003	9.566	.0006	1.265	.0021	.0006	.0006	.1085
Stddev	.0015	.0019	.019	.0002	.002	.0004	.0009	.0001	.0002
%RSD	610.1	597.9	.1946	34.08	.1323	18.62	140.9	24.79	.1383
#1	-0.0014	-0.0010	9.551	.0004	1.265	.0025	-0.0004	.0007	.1084
#2	-0.0015	.0024	9.560	.0006	1.263	.0018	.0009	.0006	.1084
#3	-0.0009	-0.0005	9.587	.0008	1.266	.0020	.0013	.0004	.1086

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2277.5	4725.1	38670.	4004.7
Stddev	6.7	11.1	101.	14.6
%RSD	.29380	.23495	.26192	.36533
#1	2281.4	4735.4	38555.	4019.6
#2	2281.3	4726.7	38748.	4004.2
#3	2269.8	4713.4	38705.	3990.3

Sample Name: FA32302-2 Acquired: 3/25/2016 11:34:58 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	127.4	0.141	2.298	0.066	255.7	-0.011	2.547	1.586
Stddev	.0015	.2	.0027	.004	.0002	.8	.0002	.0004	.0013
%RSD	1235.	.1672	18.78	.1737	3.571	.3303	17.83	.1543	.8164
#1	-.0007	127.5	.0172	2.299	.0068	254.9	-.0012	.2549	.1591
#2	.0016	127.1	.0126	2.293	.0064	255.7	-.0009	.2549	.1597
#3	-.0012	127.5	.0126	2.301	.0065	256.6	-.0012	.2542	.1572
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0848	145.7	12.14	181.6	16.67	-0.032	286.3	2.623	0.688
Stddev	.0010	.3	.06	.9	.04	.0005	.4	.0018	.0038
%RSD	1.196	.1744	.5261	.4723	.2698	16.96	.1501	.6695	5.572
#1	.0846	145.4	12.21	180.7	16.70	-.0037	286.3	.2612	.0711
#2	.0839	145.6	12.13	182.4	16.62	-.0026	285.8	.2614	.0709
#3	.0859	145.9	12.09	181.6	16.69	-.0033	286.7	.2644	.0644
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(In2306)
Avg	0.0042	-0.0033	66.59	-0.004	9508	5.144	0.072	2.213	5.036
Stddev	.0072	.0031	.08	.0009	.0013	.0011	.0043	.0014	.0016
%RSD	172.2	95.69	.1143	.2425	.1389	.2228	60.37	.6346	.3224
#1	-.0018	-.0011	66.64	-.0008	.9521	.5144	.0104	.2225	.5042
#2	.0122	-.0019	66.50	.0007	.9494	.5155	.0089	.2198	.5049
#3	.0021	-.0069	66.63	-.0011	.9507	.5132	.0022	.2216	.5018
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2417.0	5263.8	42926.	4277.5					
Stddev	3.2	7.2	98.	12.2					
%RSD	.13334	.13722	.22885	.28549					
#1	2419.8	5271.0	42843.	4291.1					
#2	2413.5	5256.6	43035.	4273.8					
#3	2417.8	5263.8	42900.	4267.6					

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Sample Name: MP30167-MB1 Acquired: 3/25/2016 11:39:27 Type: QC
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.000	-0.012	-0.010	-0.001	-0.002	-0.004	-0.002	-0.002	-0.003
Stddev	.0001	.0021	.0009	.0002	.0000	.0016	.0000	.0001	.0001
%RSD	328.6	181.8	81.69	195.4	24.84	399.7	.5058	34.22	46.54
#1	.0002	.0008	-.0020	-.0002	-.0001	.0015	-.0002	-.0001	-.0004
#2	.0000	-.0034	-.0006	.0002	-.0002	-.0015	-.0002	-.0002	-.0002
#3	-.0001	-.0009	-.0005	-.0003	-.0002	-.0013	-.0002	-.0002	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0023	0.0114	0.502	-0.0090	0.0001	-0.0007	0.0741	-0.0002	-0.0004
Stddev	.0002	.0015	.0143	.0220	.0000	.0001	.0076	.0001	.0003
%RSD	6.530	13.31	28.55	245.4	20.18	19.06	10.27	90.11	79.56
#1	-.0022	.0127	.0662	.0159	.0001	-.0006	.0692	.0000	-.0008
#2	-.0022	.0119	.0387	-.0170	.0001	-.0006	.0702	-.0002	-.0003
#3	-.0025	.0097	.0457	-.0257	.0001	-.0008	.0829	-.0003	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0008	0.0011	0.049	0.001	-0.0002	-0.0003	-0.0010	-0.0002	-0.0005
Stddev	.0003	.0010	.0002	.0002	.0001	.0001	.0009	.0001	.0000
%RSD	34.49	91.98	3.794	256.1	50.39	17.80	91.87	52.99	2.340
#1	.0012	.0020	.0051	.0000	-.0002	-.0003	-.0020	-.0003	-.0005
#2	.0007	.0012	.0050	.0000	-.0001	-.0004	-.0003	-.0003	-.0005
#3	.0007	.0000	.0047	.0003	-.0002	-.0003	-.0006	-.0001	-.0005
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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7.1
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Sample Name: MP30167-MB1 Acquired: 3/25/2016 11:39:27 Type: QC
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2705.2	5203.5	43286.	4150.3
Stddev	5.3	3.5	42.	19.7
%RSD	.19506	.06736	.09626	.47491
#1	2699.2	5199.8	43247.	4132.5
#2	2709.1	5203.8	43330.	4146.9
#3	2707.4	5206.8	43282.	4171.5

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Sample Name: MP30167-B1 Acquired: 3/25/2016 11:43:59 Type: QC
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0492	29.39	2.008	2.135	0.0537	28.08	0.526	5.258	2.150
Stddev	.0007	.14	.008	.008	.0003	.20	.0001	.0008	.0010
%RSD	1.401	.4903	.4175	.3691	.5139	.7153	.1643	.1474	.4449
#1	.0484	29.29	2.006	2.128	.0536	27.86	.0525	.5250	.2151
#2	.0495	29.33	2.000	2.133	.0536	28.13	.0527	.5259	.2141
#3	.0497	29.56	2.017	2.143	.0540	28.26	.0527	.5265	.2160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.650	28.67	27.71	28.00	5.427	5.225	26.93	5.289	5.092
Stddev	.0008	.12	.16	.19	.0011	.0016	.07	.0003	.0006
%RSD	.2960	.4290	.5617	.6688	.1992	.3141	.2471	.0515	.1193
#1	.2641	28.55	27.53	27.80	.5419	.5209	26.87	.5286	.5089
#2	.2657	28.65	27.79	28.03	.5422	.5225	26.92	.5289	.5088
#3	.2651	28.80	27.81	28.17	.5439	.5242	27.00	.5291	.5099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.092	2.028	0.188	5.436	5.298	5.321	2.024	5.024	5.391
Stddev	.0017	.008	.0002	.0011	.0023	.0005	.005	.0004	.0012
%RSD	.3260	.3903	1.210	.2055	.4285	.0941	.2618	.0705	.2233
#1	.5087	2.026	.0189	5.424	.5281	5.315	2.026	.5027	.5384
#2	.5079	2.021	.0189	5.437	.5289	5.323	2.019	.5020	.5405
#3	.5111	2.037	.0185	5.446	.5323	5.324	2.029	.5024	.5383
Check ?	Chk Pass	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: MP30167-B1 Acquired: 3/25/2016 11:43:59 Type: QC
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2440.5	5032.3	4121.0	4057.7
Stddev	1.2	8.4	101.	26.9
%RSD	.05035	.16646	.24599	.66238

#1	2441.7	5039.9	4131.8	4088.1
#2	2439.3	5033.7	41195.	4048.0
#3	2440.5	5023.3	41117.	4037.1

Sample Name: FA32364-4 Acquired: 3/25/2016 11:48:11 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	0.053	0.060	0.101	-0.002	103.2	-0.002	-0.001	-0.001
Stddev	.0002	.0059	.0003	.0002	.0000	.2	.0000	.0001	.0001
%RSD	71.77	109.6	4.870	2.187	10.48	.1948	14.84	50.51	88.72

#1	-0.004	-0.014	0.061	0.103	-0.002	103.4	-0.002	-0.001	0.000
#2	0.000	0.095	0.063	0.100	-0.002	103.2	-0.002	-0.002	-0.002
#3	-0.004	0.079	0.057	0.099	-0.002	103.1	-0.001	-0.002	-0.001

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.019	3.513	1.148	2.754	0.336	0.007	11.75	-0.003	-0.006
Stddev	.0002	.010	.010	.014	.0001	.0000	.02	.0001	.0004
%RSD	8.168	.2902	.8330	.5033	.2989	6.445	.1435	22.19	74.01

#1	-0.017	3.521	1.144	2.747	0.335	0.006	11.74	-0.003	-0.001
#2	-0.020	3.501	1.140	2.746	0.336	0.007	11.75	-0.004	-0.007
#3	-0.020	3.516	1.158	2.770	0.337	0.007	11.77	-0.003	-0.008

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.012	0.009	2.825	0.005	0.853	0.007	0.008	0.003	0.054
Stddev	.0004	.0008	.002	.0002	.0029	.0002	.0015	.0002	.0000
%RSD	32.87	91.30	0.703	35.81	.3456	27.06	194.5	60.37	.3199

#1	0.017	0.007	2.827	0.004	0.8509	0.006	0.021	0.005	0.054
#2	0.011	0.002	2.826	0.007	0.8485	0.009	0.010	0.001	0.054
#3	0.009	0.017	2.823	0.004	0.8544	0.005	-0.008	0.003	0.054

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2479.1	4958.4	40895.	4070.2
Stddev	5.2	2.5	92.	8.4
%RSD	.21094	.05135	.22584	2.0699

#1	2474.1	4958.7	40885.	4067.5
#2	2484.5	4955.7	40992.	4063.5
#3	2478.6	4960.7	40808.	4079.7

7.1
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Sample Name: MP30167-D1 Acquired: 3/25/2016 11:52:40 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.001	0.021	0.064	0.099	-0.002	103.6	-0.002	-0.002	-0.002
Stddev	.0002	.0081	.0002	.0002	.0000	.6	.0000	.0001	.0001
%RSD	236.2	378.7	3.623	1.804	16.58	.5470	17.36	92.88	61.25

#1	-0.004	-0.033	0.063	0.099	-0.002	103.9	-0.002	-0.001	-0.003
#2	0.001	0.115	0.066	0.097	-0.002	102.9	-0.001	-0.001	-0.001
#3	0.000	-0.017	0.062	0.100	-0.001	103.9	-0.002	-0.003	-0.002

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.018	3.532	1.153	2.787	0.340	0.004	11.84	-0.002	-0.001
Stddev	.0001	.014	.030	.018	.0001	.0001	.00	.0002	.0006
%RSD	4.731	.3809	2.563	.6437	.4051	16.00	.0391	71.61	459.7

#1	-0.018	3.543	1.172	2.768	0.342	0.003	11.85	0.000	-0.008
#2	-0.018	3.517	1.119	2.788	0.340	0.003	11.84	-0.003	0.001
#3	-0.017	3.536	1.169	2.804	0.339	0.004	11.85	-0.003	0.003

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.007	0.015	2.852	0.007	0.856	0.005	-0.005	0.003	0.054
Stddev	.0009	.0007	.006	.0001	.0034	.0001	.0012	.0001	.0001
%RSD	118.6	44.98	.2053	18.89	.3970	14.05	253.4	38.08	1.648

#1	0.010	0.009	2.846	0.009	0.8590	0.005	-0.018	0.003	0.053
#2	0.014	0.013	2.857	0.006	0.8527	0.004	0.003	0.002	0.055
#3	-0.002	0.022	2.854	0.006	0.8581	0.005	0.002	0.004	0.055

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2465.8	4908.0	40161.	3989.4
Stddev	3.0	11.7	64.	36.5
%RSD	.12022	.23763	.15861	.91434

#1	2466.3	4916.1	40180.	3960.4
#2	2462.7	4894.6	40090.	4030.3
#3	2468.6	4913.2	40214.	3977.4

Sample Name: MP30167-SD1 Acquired: 3/25/2016 11:57:09 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.009	0.006	0.033	0.092	-0.010	98.84	-0.004	-0.005	-0.019
Stddev	.0007	.0110	.0038	.0014	.0004	.44	.0001	.0004	.0006
%RSD	78.62	1873.	115.5	14.82	38.61	.4497	22.51	83.47	29.59

#1	-0.001	0.105	0.074	0.102	-0.013	98.33	-0.005	0.000	-0.021
#2	-0.013	-0.112	0.027	0.099	-0.010	99.09	-0.003	-0.009	-0.024
#3	-0.013	0.025	-0.002	0.077	-0.006	99.11	-0.004	-0.007	-0.013

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.097	3.367	0.915	2.621	0.320	-0.033	11.38	-0.006	-0.024
Stddev	.0009	.044	.0885	.068	.0001	.0005	.13	.0004	.0021
%RSD	9.123	1.313	8.926	2.592	.3642	15.13	1.116	68.50	84.97

#1	-0.089	3.316	0.970	2.621	0.319	-0.029	11.24	-0.002	-0.002
#2	-0.106	3.392	1.077	2.553	0.321	-0.031	11.49	-0.005	-0.029
#3	-0.095	3.393	0.904	2.688	0.321	-0.039	11.42	-0.010	-0.042

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.040	-0.026	2.725	-0.003	0.815	0.003	0.018	-0.003	0.398
Stddev	.0038	.0051	.006	.0017	.0057	.0003	.0050	.0004	.0002
%RSD	94.04	195.5	.2088	507.0	.7018	108.7	277.0	136.5	.4337

#1	-0.071	0.007	2.721	-0.022	0.8051	0.006	0.068	0.001	0.396
#2	-0.051	0.000	2.732	0.004	0.8132	0.003	-0.032	-0.007	0.397
#3	0.002	-0.085	2.723	0.008	0.8161	0.000	0.018	-0.003	0.400

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2667.1	5176.5	42782.	4169.7
Stddev	4.6	8.8	149.	15.8
%RSD	.17299	.16978	.34751	.37872

#1	2668.7	5171.6	42840.	4187.9
#2	2670.6	5171.2	42613.	4160.1
#3	2661.8	5186.6	42892.	4161.0

Sample Name: MP30167-PS1 Acquired: 3/25/2016 12:01:38 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0507	2.742	.1165	.2864	.0553	105.4	.0552	.0552	.0567
Stddev	.0002	.017	.0015	.0007	.0002	.5	.0001	.0001	.0001
%RSD	.3689	.6238	1.287	.2527	.3139	.4639	.0974	.2098	.2644
#1	.0510	2.746	.1159	.2857	.0554	105.6	.0552	.0553	.0569
#2	.0506	2.724	.1182	.2871	.0554	105.7	.0553	.0552	.0567
#3	.0507	2.757	.1154	.2863	.0551	104.8	.0553	.0551	.0566
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1108	6.737	11.91	8.123	.0901	1.093	22.18	.1095	.0517
Stddev	.0009	.019	.04	.044	.0004	.0004	.07	.0001	.0002
%RSD	.8565	.2834	.3754	.5466	.4684	.4063	.3346	.0987	.2960
#1	.1098	6.734	11.88	8.119	.0905	1.096	22.26	.1096	.0515
#2	.1117	6.758	11.96	8.169	.0902	1.088	22.19	.1094	.0517
#3	.1109	6.720	11.89	8.080	.0897	1.096	22.11	.1096	.0518
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1126	.1067	2.820	.0535	.8746	1.129	1.040	.0541	.2957
Stddev	.0010	.0006	.004	.0002	.0011	.0007	.0015	.0001	.0003
%RSD	.8757	.5804	.1349	.4145	.1292	.6536	1.467	.1802	.1020
#1	.1116	.1060	2.817	.0535	.8752	1.122	1.057	.0541	.2953
#2	.1136	.1069	2.819	.0533	.8753	1.137	1.031	.0539	.2959
#3	.1125	.1072	2.824	.0538	.8733	1.128	1.031	.0541	.2957
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2433.5	4939.2	4080.0	4055.8					
Stddev	6.0	8.5	102.	19.5					
%RSD	.24818	.17230	.25101	.48080					
#1	2440.5	4947.8	4078.2	4033.5					
#2	2430.1	4939.2	4070.7	4064.0					
#3	2430.0	4930.8	4091.0	4069.8					

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Sample Name: MP30167-S1 Acquired: 3/25/2016 12:05:56 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0494	29.28	2.068	2.105	.0545	125.9	.0527	.5198	.2141
Stddev	.0003	.04	.004	.010	.0001	.3	.0001	.0004	.0009
%RSD	.6309	.1485	.1908	.4838	.1435	.2598	.1144	.0794	.4111
#1	.0491	29.28	2.064	2.100	.0546	126.2	.0527	.5193	.2152
#2	.0497	29.23	2.071	2.098	.0544	125.5	.0526	.5201	.2135
#3	.0493	29.32	2.071	2.117	.0545	126.0	.0527	.5200	.2138
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2669	31.86	28.55	30.07	.5773	5.222	38.91	.5288	.5157
Stddev	.0003	.02	.12	.06	.0036	.0004	.10	.0014	.0015
%RSD	.0994	.0638	.4351	.1978	.6299	.0698	.2557	.2612	.2910
#1	.2672	31.88	28.55	30.14	.5814	5.219	38.85	.5277	.5141
#2	.2669	31.84	28.43	30.05	.5743	5.221	38.86	.5284	.5162
#3	.2666	31.86	28.68	30.03	.5764	5.226	39.02	.5304	.5169
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5180	2.065	2.811	.5345	1.330	.5411	2.038	.5111	.5335
Stddev	.0017	.007	.007	.0005	.005	.0022	.004	.0017	.0012
%RSD	.3234	.3607	.2385	.0958	.3789	.3994	.1708	.3302	.2325
#1	.5190	2.056	2.804	.5350	1.328	.5434	2.034	.5130	.5342
#2	.5161	2.067	2.814	.5340	1.327	.5391	2.039	.5107	.5321
#3	.5189	2.071	2.816	.5346	1.336	.5407	2.041	.5097	.5342
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2347.7	4922.4	4040.5	4060.3					
Stddev	3.0	1.7	211.	14.2					
%RSD	.12708	.03503	.52151	.35023					
#1	2346.6	4922.3	4023.8	4044.5					
#2	2345.4	4920.8	4064.2	4064.2					
#3	2351.0	4924.2	4033.6	4072.1					

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Sample Name: CCV Acquired: 3/25/2016 12:10:07 Type: QC
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.510	39.36	1.976	1.961	1.984	40.13	2.021	2.002	2.025
Stddev	.0008	.07	.002	.006	.003	.09	.001	.002	.005
%RSD	.3033	.1709	.1144	.2875	.1281	.2253	.0425	.0911	.2338
#1	.2516	39.40	1.977	1.965	1.986	40.08	2.021	2.004	2.029
#2	.2502	39.39	1.977	1.964	1.984	40.23	2.021	2.000	2.020
#3	.2513	39.28	1.973	1.955	1.981	40.07	2.020	2.002	2.024

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.955	38.99	39.72	39.93	2.029	2.005	39.43	2.013	2.000
Stddev	.005	.15	.08	.16	.004	.003	.09	.002	.005
%RSD	.2565	.3774	.1969	.3993	.2027	.1533	.2178	.0721	.2350
#1	1.953	38.96	39.69	39.75	2.032	2.004	39.52	2.012	2.005
#2	1.952	39.15	39.82	40.06	2.024	2.003	39.42	2.014	1.996
#3	1.961	38.85	39.67	39.97	2.029	2.008	39.35	2.012	1.998

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.963	1.973	2.255	2.038	1.999	2.042	2.007	2.027	2.034
Stddev	.002	.008	.002	.002	.004	.003	.005	.005	.003
%RSD	.0750	.4009	.0910	.1160	.2144	.1501	.2440	.2450	.1240
#1	1.964	1.979	2.254	2.040	2.001	2.044	2.013	2.033	2.036
#2	1.962	1.964	2.254	2.036	2.002	2.039	2.006	2.024	2.034
#3	1.963	1.976	2.258	2.039	1.994	2.044	2.003	2.025	2.031

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

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Sample Name: CCV Acquired: 3/25/2016 12:10:07 Type: QC
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2410.3	5097.0	4212.7	4227.4
Stddev	1.7	8.5	13.	12.0
%RSD	.06866	.16766	.02999	.28318
#1	2410.4	5099.6	4211.4	4233.6
#2	2412.0	5104.0	4213.9	4213.7
#3	2408.7	5087.5	4212.8	4235.1

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Sample Name: CCB Acquired: 3/25/2016 12:14:18 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0035	.0000	.0004	.0002	.0043	.0002	.0002	-0.0002
Stddev	.0002	.0005	.0000	.0003	.0001	.0032	.0000	.0001	.0002
%RSD	186.4	13.93	21230.	69.88	40.55	73.63	17.80	44.57	80.35
#1	.0002	.0040	-0.0002	.0002	.0002	.0066	.0002	.0002	-0.0003
#2	-0.001	.0030	-0.0003	.0002	.0002	.0056	.0002	.0001	.0000
#3	.0002	.0035	.0005	.0007	.0001	.0007	.0001	.0002	-0.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0017	.0095	.0278	.0040	.0001	.0007	.0373	.0002	-0.0004
Stddev	.0001	.0036	.0325	.0204	.0000	.0002	.0024	.0001	.0004
%RSD	7.569	37.54	116.7	505.0	27.75	32.37	6.374	61.36	97.28
#1	-0.0017	.0132	-0.0072	.0225	.0002	.0009	.0396	.0003	-0.0002
#2	-0.0017	.0090	.0338	-0.0178	.0001	.0008	.0374	.0001	-0.0002
#3	-0.0015	.0062	.0569	.0074	.0001	.0005	.0349	.0003	-0.0009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014	.0003	-0.0011	.0002	.0003	.0007	.0010	.0002	-0.0004
Stddev	.0005	.0006	.0004	.0003	.0000	.0001	.0009	.0002	.0001
%RSD	36.29	183.7	33.66	115.6	17.38	11.47	86.34	91.84	18.37
#1	.0019	.0003	-0.0013	.0005	.0003	.0008	.0018	.0003	-0.0003
#2	.0009	-0.0003	-0.0014	.0000	.0003	.0008	.0010	.0004	-0.0004
#3	.0013	.0009	-0.0007	.0002	.0002	.0006	.0001	.0000	-0.0004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.1
7

Sample Name: CCB Acquired: 3/25/2016 12:14:18 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2705.2	5145.9	42345.	4180.0
Stddev	5.7	10.3	160.	32.7
%RSD	.20887	.20028	.37899	.78342
#1	2703.5	5148.2	42220.	4212.3
#2	2711.5	5154.9	42290.	4181.0
#3	2700.6	5134.7	42526.	4146.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30167-S2 Acquired: 3/25/2016 12:18:51 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0497	29.40	2.073	2.108	.0544	125.1	.0529	.5208	2.154
Stddev	.0001	.15	.004	.003	.0003	.8	.0001	.0009	.0003
%RSD	.2861	.5014	.1881	.1168	.5162	.6111	.1404	.1781	.1577
#1	.0498	29.35	2.076	2.108	.0541	124.7	.0529	.5198	2.150
#2	.0495	29.27	2.069	2.111	.0546	126.0	.0529	.5209	2.157
#3	.0497	29.28	2.073	2.106	.0544	124.6	.0530	.5216	2.155

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2665	31.91	28.60	30.01	.5801	5.260	38.89	5.298	5.186
Stddev	.0003	.24	.04	.29	.0015	.0011	.22	.0017	.0022
%RSD	.1103	.7531	.1352	.9591	.2584	.2160	.5717	.3140	.4157
#1	.2666	31.72	28.60	29.91	.5805	5.258	38.68	5.279	5.164
#2	.2668	32.18	28.64	30.33	.5813	5.251	39.13	5.302	5.187
#3	.2662	31.83	28.56	29.78	.5784	5.273	38.86	5.312	5.207

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5215	2.070	2.804	5.383	1.331	5.463	2.054	5.114	5.354
Stddev	.0024	.005	.003	.0010	.004	.0009	.002	.0015	.0014
%RSD	.4634	.2596	.1215	.1782	.2702	.1733	.1069	.3023	.2610
#1	.5202	2.065	2.805	5.382	1.331	5.461	2.055	5.117	5.338
#2	.5201	2.070	2.800	5.375	1.335	5.473	2.056	5.128	5.363
#3	.5243	2.076	2.806	5.394	1.328	5.454	2.052	5.097	5.362

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2348.4	4928.2	40487.	4071.5
Stddev	3.0	7.0	123.	34.8
%RSD	.12944	.14293	.30355	.85484
#1	2351.8	4931.0	40380.	4073.7
#2	2345.8	4933.4	40460.	4035.6
#3	2347.8	4920.2	40622.	4105.1

Sample Name: FA32364-1 Acquired: 3/25/2016 12:23:04 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0002	.0282	.0414	.0048	-0.0002	77.54	-0.0001	-0.0001	.0005
Stddev	.0002	.0014	.0006	.0002	.0001	.04	.0000	.0001	.0002
%RSD	67.25	5.118	1.527	4.959	40.54	.0462	9.873	45.51	28.57
#1	-0.0002	.0265	.0410	.0048	-0.0003	77.56	-0.0001	-0.0002	.0007
#2	-0.0004	.0286	.0421	.0046	-0.0001	77.56	-0.0001	-0.0001	.0004
#3	-0.0001	.0293	.0410	.0051	-0.0002	77.50	-0.0001	-0.0001	.0005

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0010	.0442	1.970	2.742	.0018	.0017	11.26	-0.0002	-0.0004
Stddev	.0002	.0014	.010	.034	.0000	.0001	.02	.0000	.0006
%RSD	19.78	3.232	4878	1.232	1.287	4.084	.1430	22.56	159.4
#1	-0.0012	.0442	1.960	2.781	.0017	.0017	11.27	-0.0002	-0.0001
#2	-0.0008	.0456	1.979	2.726	.0018	.0018	11.24	-0.0001	-0.0011
#3	-0.0010	.0428	1.970	2.719	.0018	.0017	11.26	-0.0001	.0001

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0046	.0040	2.959	.0004	.4824	.0012	.0002	.0033	.0068
Stddev	.0001	.0008	.005	.0001	.0016	.0001	.0005	.0001	.0001
%RSD	2.435	19.69	.1728	23.27	.3264	7.681	252.0	2.776	1.594
#1	.0045	.0047	2.956	.0004	.4842	.0013	-0.0004	.0032	.0068
#2	.0047	.0042	2.957	.0004	.4813	.0013	.0004	.0034	.0069
#3	.0046	.0031	2.965	.0003	.4817	.0011	.0006	.0033	.0067

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2523.8	4953.8	40934.	4098.5
Stddev	6.2	8.4	69.	4.2
%RSD	.24626	.17004	.16884	.10202
#1	2527.5	4962.2	40958.	4093.7
#2	2527.2	4953.9	40989.	4099.9
#3	2516.6	4945.3	40857.	4101.7

Sample Name: FA32364-2 Acquired: 3/25/2016 12:27:32 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.2525	.0053	.0491	-.0002	93.38	-.0001	-.0001	.0015
Stddev	.000	.0035	.0010	.0001	.0000	.42	.0000	.0001	.0001
%RSD	234.1	1.390	18.80	.2438	8.961	.4528	35.95	120.9	8.992
#1	-.0001	.2559	.0064	.0490	-.0002	93.39	.0000	.0000	.0016
#2	.0000	.2489	.0045	.0491	-.0002	93.80	-.0001	-.0001	.0014
#3	.0000	.2527	.0051	.0492	-.0002	92.96	-.0001	.0000	.0016
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0013	.4944	.5975	1.418	.0084	.0002	3.967	.0001	-.0003
Stddev	.0001	.0029	.0094	.010	.0001	.0001	.002	.0002	.0007
%RSD	7.905	.5953	1.576	.7025	.7314	50.02	.0465	336.4	272.5
#1	-.0013	.4919	.5965	1.420	.0085	.0002	3.969	.0003	-.0005
#2	-.0015	.4937	.5886	1.427	.0084	.0002	3.966	.0000	.0005
#3	-.0012	.4976	.6074	1.407	.0084	.0001	3.966	.0000	-.0008
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0018	.0024	2.063	.0003	.7939	.0038	-.0008	.0064	.0126
Stddev	.0010	.0009	.002	.0001	.0030	.0004	.0022	.0003	.0001
%RSD	57.57	38.80	.1031	42.73	.3763	11.74	265.0	4.649	.4714
#1	.0021	.0030	2.065	.0002	.7905	.0043	.0000	.0066	.0127
#2	.0026	.0013	2.063	.0004	.7950	.0034	.0008	.0061	.0126
#3	.0006	.0029	2.061	.0002	.7962	.0038	-.0033	.0065	.0127
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2533.0	4968.2	4124.1	4122.4					
Stddev	4.8	1.7	194.	26.4					
%RSD	.19119	.03474	.47102	.64077					
#1	2533.9	4968.8	4112.1	4118.5					
#2	2537.2	4969.6	4146.5	4098.1					
#3	2527.7	4966.3	4113.7	4150.5					

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Sample Name: FA32364-6 Acquired: 3/25/2016 12:32:03 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0002	.0058	.0072	.0093	-.0002	101.1	-.0002	-.0002	.0000
Stddev	.0002	.0068	.0002	.0003	.0000	.3	.0000	.0001	.000
%RSD	112.3	116.8	3.293	3.337	14.35	.3318	8.579	29.68	647.0
#1	.0000	.0045	.0071	.0090	-.0001	101.4	-.0002	-.0002	.0002
#2	-.0003	-.0002	.0075	.0092	-.0002	100.8	-.0002	-.0002	-.0001
#3	-.0002	.0132	.0071	.0096	-.0002	101.2	-.0002	-.0003	-.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0016	3.570	1.062	2.659	.0336	.0005	11.09	-.0002	-.0006
Stddev	.0001	.018	.043	.020	.0002	.0001	.04	.0001	.0005
%RSD	4.457	.5104	4.010	.7601	.4960	26.95	.3418	68.93	96.26
#1	-.0016	3.574	1.015	2.638	.0338	.0004	11.07	-.0003	-.0008
#2	-.0017	3.550	1.074	2.678	.0336	.0005	11.08	-.0001	.0001
#3	-.0016	3.585	1.098	2.661	.0335	.0007	11.14	-.0001	-.0009
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0013	.0004	2.819	.0000	.8350	.0004	-.0005	.0003	.0054
Stddev	.0007	.0008	.002	.000	.0041	.0001	.0002	.0000	.0001
%RSD	52.96	194.3	.0564	10550.	.4955	11.78	42.12	7.593	1.155
#1	.0018	.0003	2.818	.0004	.8353	.0005	-.0007	.0003	.0054
#2	.0005	.0013	2.821	.0000	.8308	.0005	-.0004	.0003	.0055
#3	.0004	-.0003	2.819	-.0004	.8390	.0004	-.0003	.0003	.0054
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2495.8	4956.3	4107.9	4110.9					
Stddev	2.0	4.9	154.	16.7					
%RSD	.08126	.09952	.37550	.40671					
#1	2497.6	4953.8	4111.9	4093.9					
#2	2493.6	4953.1	4090.9	4111.3					
#3	2496.1	4962.0	4121.0	4127.4					

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Sample Name: FA32320-1 Acquired: 3/25/2016 12:36:31 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0000	.2412	.0001	.2090	-.0003	84.10	-.0003	-.0001	.0011
Stddev	.000	.0016	.0004	.0010	.0000	.18	.0001	.0001	.0003
%RSD	1102.	.6534	385.1	4744	17.40	.2172	24.29	90.64	29.86
#1	-.0001	.2396	.0005	.2080	-.0002	83.89	-.0003	-.0001	.0014
#2	-.0003	.2411	-.0003	.2091	-.0003	84.22	-.0004	.0000	.0008
#3	.0001	.2428	.0002	.2100	-.0003	84.19	-.0002	.0000	.0009
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0012	23.86	F 136.5	19.65	.3804	.0005	F 206.4	-.0003	-.0006
Stddev	.0002	.09	.6	.04	.0009	.0002	1.1	.0001	.0003
%RSD	20.60	.3955	.4525	.2256	.2470	40.92	.5468	45.86	60.31
#1	-.0014	23.76	135.8	19.65	.3813	.0003	205.1	-.0002	-.0009
#2	-.0009	23.95	136.8	19.61	.3805	.0007	207.2	-.0004	-.0003
#3	-.0013	23.88	137.0	19.70	.3794	.0004	206.9	-.0004	-.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0008	.0009	2.241	.0005	.9105	.0061	-.0009	.0141	.0144
Stddev	.0005	.0012	.008	.0002	.0053	.0010	.0004	.0002	.0001
%RSD	65.97	130.0	.3723	51.90	.5848	16.02	43.06	1.251	.7907
#1	.0004	.0000	2.250	.0007	.9046	.0054	-.0014	.0139	.0145
#2	.0014	.0005	2.237	.0002	.9118	.0072	-.0006	.0143	.0144
#3	.0006	.0023	2.236	.0005	.9150	.0057	-.0008	.0142	.0143
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2261.4	4850.0	3921.6	4144.9					
Stddev	8.7	18.5	88.	20.9					
%RSD	.38277	.38168	.22456	.50467					
#1	2251.4	4831.1	3920.6	4166.5					
#2	2267.4	4850.6	3913.3	4143.2					
#3	2265.2	4868.2	3930.8	4124.8					

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Sample Name: FA32320-2 Acquired: 3/25/2016 12:41:07 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0005	.1401	.0377	.4273	.0000	193.1	-.0003	.0546	.0026
Stddev	.0002	.0016	.0012	.0007	.000	.3	.0001	.0003	.0001
%RSD	41.80	1.128	3.228	.1724	299.2	.1490	17.15	.4884	5.671
#1	-.0002	.1410	.0372	.4270	.0000	192.9	-.0003	.0548	.0027
#2	-.0006	.1383	.0391	.4269	.0000	193.0	-.0004	.0547	.0024
#3	-.0005	.1410	.0368	.4282	-.0001	193.4	-.0003	.0543	.0027
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0009	53.32	16.06	59.29	1.624	.0000	F 173.1	.0287	-.0016
Stddev	.0002	.13	.00	.17	.007	.0000	1.2	.0001	.0002
%RSD	18.24	.2347	.0253	.2893	.4326	564.7	.6823	.3734	14.44
#1	-.0009	53.20	16.05	59.09	1.620	.0000	172.1	.0287	-.0014
#2	-.0011	53.45							

Sample Name: FA32320-3 Acquired: 3/25/2016 12:45:41 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.007	1.526	0.155	1.124	0.000	431.3	0.008	0.880	0.020
Stddev	0.004	0.034	0.006	0.003	0.000	2.1	0.001	0.003	0.000
%RSD	50.07	2.219	3.668	2.514	229.1	4.797	17.76	3.191	1.317
#1	-0.008	1.564	0.154	1.123	0.000	429.1	0.008	0.879	0.020
#2	-0.004	1.500	0.161	1.121	0.000	431.6	0.009	0.884	0.020
#3	-0.011	1.513	0.150	1.127	0.000	433.2	0.007	0.879	0.020
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.008	124.6	8.552	128.4	4.476	-0.002	F 615.7	0.533	-0.009
Stddev	0.002	2.0	0.059	3.0	0.017	0.002	3.4	0.004	0.011
%RSD	25.27	1.887	0.6958	2.000	0.3781	110.3	0.5551	0.7007	123.4
#1	-0.009	124.5	8.492	128.2	4.492	-0.003	614.4	0.533	-0.020
#2	-0.005	124.9	8.554	128.6	4.459	-0.003	619.5	0.537	0.002
#3	-0.008	124.5	8.611	128.2	4.478	0.000	613.1	0.530	-0.010
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.006	-0.018	14.03	0.007	2.815	0.050	0.023	0.260	0.000
Stddev	0.006	0.003	0.07	0.004	0.003	0.031	0.020	0.002	0.005
%RSD	98.39	18.91	0.4670	49.88	0.1066	5.270	83.58	7.421	2.546
#1	-0.007	-0.018	14.04	0.003	2.812	0.0549	0.010	0.021	0.260
#2	-0.012	-0.021	14.09	0.011	2.817	0.0611	0.048	0.023	0.265
#3	0.000	-0.014	13.96	0.008	2.816	0.0581	0.015	0.025	0.255
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2031.5	4804.3	3923.4	4290.3					
Stddev	6.3	10.4	48.0	18.5					
%RSD	0.30917	0.21700	1.2210	0.43161					
#1	2024.3	4797.3	3919.7	4288.8					
#2	2034.5	4799.3	3921.6	4272.5					
#3	2035.7	4816.3	3928.8	4309.4					

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Sample Name: FA32397-1 Acquired: 3/25/2016 12:50:28 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.233	0.036	0.024	-0.002	147.6	0.000	0.003	0.075
Stddev	0.000	0.022	0.003	0.003	0.001	0.6	0.000	0.001	0.002
%RSD	27.48	9.444	9.562	1.530	40.32	4.081	137.5	20.76	2.757
#1	-0.001	0.235	0.038	0.027	-0.002	147.4	0.000	0.003	0.073
#2	-0.002	0.232	0.032	0.025	-0.003	148.3	-0.001	0.003	0.076
#3	-0.001	0.230	0.037	0.021	-0.001	147.2	-0.001	0.004	0.077
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.017	12.25	2.255	19.83	1.013	0.003	69.64	0.020	-0.004
Stddev	0.002	0.06	0.009	0.10	0.006	0.001	0.26	0.002	0.003
%RSD	9.105	0.4666	0.4202	0.5170	0.5897	21.58	0.3777	8.154	61.29
#1	0.015	12.21	2.250	19.80	1.008	0.003	69.45	0.022	-0.002
#2	0.018	12.32	2.266	19.95	1.020	0.003	69.94	0.019	-0.007
#3	0.018	12.22	2.249	19.75	1.011	0.004	69.53	0.020	-0.003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.006	0.049	7.562	0.007	0.1219	0.052	-0.006	0.049	0.553
Stddev	0.011	0.012	0.07	0.003	0.009	0.001	0.005	0.003	0.001
%RSD	174.0	24.21	0.930	40.92	7.458	1.873	76.78	6.287	0.919
#1	0.002	0.038	7.563	0.004	0.1217	0.053	-0.002	0.050	0.554
#2	0.019	0.046	7.568	0.010	0.1228	0.051	-0.012	0.052	0.553
#3	-0.002	0.061	7.554	0.008	0.1210	0.052	-0.005	0.046	0.554
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2371.9	4830.8	3980.2	4028.4					
Stddev	4.6	5.2	143.0	19.6					
%RSD	0.19393	0.10762	0.35881	0.48757					
#1	2377.1	4836.0	3993.4	4024.7					
#2	2370.0	4825.6	3965.0	4010.8					
#3	2368.5	4830.7	3982.1	4049.6					

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7.1
7

Sample Name: FA32397-2 Acquired: 3/25/2016 12:54:54 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.001	0.132	0.010	0.098	-0.002	40.30	-0.001	0.009	0.000
Stddev	0.001	0.044	0.005	0.003	0.000	0.7	0.000	0.000	0.000
%RSD	159.1	33.16	53.60	3.326	13.74	1.725	7.559	2.979	920.6
#1	0.001	0.133	0.015	0.095	-0.002	40.38	-0.001	0.009	0.001
#2	0.000	0.175	0.010	0.102	-0.002	40.26	-0.001	0.009	-0.001
#3	0.001	0.088	0.005	0.098	-0.002	40.26	-0.001	0.009	0.008
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.012	1.572	1.075	7.049	0.150	0.010	20.84	0.013	-0.006
Stddev	0.000	0.04	0.023	0.020	0.001	0.001	0.1	0.000	0.001
%RSD	3.175	2.600	2.108	0.2831	0.5136	9.668	0.679	1.263	21.95
#1	-0.012	1.577	1.093	7.029	0.150	0.011	20.84	0.013	-0.004
#2	-0.012	1.570	1.084	7.048	0.151	0.009	20.86	0.013	-0.007
#3	-0.012	1.570	1.050	7.069	0.150	0.009	20.83	0.013	-0.006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.010	0.020	7.604	0.002	0.0967	0.003	-0.002	0.002	0.384
Stddev	0.000	0.021	0.055	0.001	0.001	0.001	0.006	0.002	0.015
%RSD	4.092	105.5	0.7231	32.29	0.1029	28.17	272.7	129.3	3.827
#1	0.010	0.003	7.546	0.002	0.0966	0.002	0.004	0.003	0.386
#2	0.010	0.043	7.610	0.003	0.0968	0.004	-0.008	-0.001	0.388
#3	0.011	0.013	7.655	0.002	0.0967	0.003	-0.003	0.002	0.389
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2541.0	5052.7	4171.0	4101.9					
Stddev	13.2	28.4	67.0	8.9					
%RSD	0.51970	0.56137	1.6116	0.21610					
#1	2555.4	5082.7	4177.7	4092.3					
#2	2538.1	5049.2	4164.3	4103.8					
#3	2529.4	5026.3	4171.0	4109.7					

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Sample Name: FA32408-1 Acquired: 3/25/2016 12:59:21 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.000	0.0206	0.1136	0.6171	-0.002	202.2	-0.007	-0.001	0.011
Stddev	0.002	0.038	0.014	0.009	0.000	0.2	0.000	0.001	0.001
%RSD	655.7	18.54	1.214	1.466	14.82	0.1100	7.348	67.53	4.847
#1	-0.002	0.170	0.1135	0.6162	-0.003	202.5	-0.007	-0.001	0.010
#2	0.000	0.246	0.1151	0.6180	-0.002	202.2	-0.007	-0.001	0.011
#3	0.002	0.202	0.1123	0.6172	-0.002	202.0	-0.006	-0.002	0.011
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.010	66.40	4.071	58.11	F 6.447	0.016	12.88	0.000	-0.009
Stddev	0.003	0.04	0.036	0.09	0.032	0.001	0.02	0.002	0.006
%RSD	30.08	0.611	0.8882	0.1564	0.4926	6.561	0.1616	395.1	66.10
#1	-0.007	66.42	4.052	58.21	6.419	0.014	12.86	0.001	-0.016
#2	-0.011	66.35	4.048	58.08	6.481	0.016	12.90</		

Sample Name: CCV Acquired: 3/25/2016 13:03:53 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2566	40.25	1.998	2.014	2.013	41.10	2.042	2.038	2.044
Stddev	.0009	.23	.004	.009	.013	.27	.004	.004	.002
%RSD	.3444	.5645	.1988	.4547	.6513	.6613	.2215	.1767	.0989
#1	.2560	40.51	1.999	2.025	2.026	41.41	2.043	2.039	2.043
#2	.2577	40.11	1.994	2.007	2.013	40.97	2.037	2.034	2.047
#3	.2562	40.12	2.001	2.012	2.000	40.92	2.045	2.041	2.043

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.002	39.67	40.77	40.78	2.035	2.040	39.98	2.032	2.029
Stddev	.006	.25	.23	.19	.004	.004	.19	.004	.004
%RSD	.3105	.6212	.5533	.4758	.2211	.1810	.4674	.2223	.1818
#1	1.997	39.95	41.02	40.97	2.032	2.041	40.19	2.035	2.030
#2	2.009	39.57	40.72	40.78	2.040	2.035	39.92	2.027	2.024
#3	1.999	39.49	40.58	40.58	2.033	2.042	39.83	2.035	2.032

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.993	2.005	2.287	2.077	2.051	2.054	2.032	2.045	2.060
Stddev	.006	.008	.006	.004	.011	.003	.002	.003	.003
%RSD	.2871	.4119	.2651	.1922	.5148	.1602	.1183	.1604	.1588
#1	1.998	2.014	2.292	2.076	2.063	2.050	2.034	2.045	2.057
#2	1.987	1.999	2.280	2.073	2.045	2.056	2.032	2.041	2.059
#3	1.995	2.001	2.287	2.081	2.045	2.055	2.029	2.048	2.064

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/25/2016 13:03:53 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2372.0	5044.2	41781.	4163.1
Stddev	1.2	7.8	80.	15.4
%RSD	.05207	.15508	.19106	.36975
#1	2371.4	5038.8	41774.	4149.3
#2	2373.4	5053.2	41706.	4160.3
#3	2371.2	5040.7	41865.	4179.7

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.002	39.67	40.77	40.78	2.035	2.040	39.98	2.032	2.029
Stddev	.006	.25	.23	.19	.004	.004	.19	.004	.004
%RSD	.3105	.6212	.5533	.4758	.2211	.1810	.4674	.2223	.1818
#1	1.997	39.95	41.02	40.97	2.032	2.041	40.19	2.035	2.030
#2	2.009	39.57	40.72	40.78	2.040	2.035	39.92	2.027	2.024
#3	1.999	39.49	40.58	40.58	2.033	2.042	39.83	2.035	2.032

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.993	2.005	2.287	2.077	2.051	2.054	2.032	2.045	2.060
Stddev	.006	.008	.006	.004	.011	.003	.002	.003	.003
%RSD	.2871	.4119	.2651	.1922	.5148	.1602	.1183	.1604	.1588
#1	1.998	2.014	2.292	2.076	2.063	2.050	2.034	2.045	2.057
#2	1.987	1.999	2.280	2.073	2.045	2.056	2.032	2.041	2.059
#3	1.995	2.001	2.287	2.081	2.045	2.055	2.029	2.048	2.064

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 3/25/2016 13:08:05 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0033	-0.0003	.0001	.0001	.0055	.0001	.0001	-0.0002
Stddev	.000	.0048	.0006	.0001	.0001	.0039	.0000	.0000	.0001
%RSD	360.4	144.0	211.1	198.9	49.51	70.48	27.64	24.83	66.12
#1	.0001	-.0007	.0003	.0001	.0002	.0088	.0001	.0001	.0000
#2	-.0002	.0086	-.0009	-.0001	.0001	.0013	.0001	.0001	-.0003
#3	.0000	.0021	-.0003	.0001	.0001	.0064	.0001	.0001	-.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0018	.0128	.0577	.0104	.0002	.0006	.0859	.0001	-0.0004
Stddev	.0002	.0025	.0219	.0161	.0000	.0003	.0051	.0000	.0004
%RSD	10.69	19.59	37.96	155.4	18.51	60.92	5.914	54.87	90.84
#1	-.0020	.0150	.0399	-.0053	.0002	.0009	.0804	.0000	-.0005
#2	-.0018	.0128	.0511	.0269	.0003	.0006	.0904	.0001	-.0008
#3	-.0016	.0101	.0822	.0095	.0002	.0002	.0870	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	F .0020	-0.0008	.0001	.0002	.0006	.0007	.0002	-0.0004
Stddev	.0005	.0018	.0006	.0002	.0001	.0001	.0003	.0001	.0001
%RSD	111.6	90.68	73.11	233.4	35.38	14.19	40.40	38.33	26.14
#1	.0007	-.0001	-.0008	.0000	.0003	.0007	.0010	.0003	-.0003
#2	.0008	.0034	-.0002	.0004	.0002	.0006	.0007	.0001	-.0006
#3	-.0001	.0028	-.0013	.0000	.0002	.0006	.0004	.0002	-.0005

Check ? Chk Pass Chk Fail None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit .0020
 Low Limit -.0020

Sample Name: CCB Acquired: 3/25/2016 13:08:05 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2738.0	5244.5	43573.	4275.8
Stddev	1.4	6.0	177.	8.8
%RSD	.05166	.11447	.40726	.20682
#1	2739.6	5244.0	43368.	4265.6
#2	2736.8	5250.8	43667.	4280.4
#3	2737.7	5238.8	43683.	4281.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0018	.0128	.0577	.0104	.0002	.0006	.0859	.0001	-0.0004
Stddev	.0002	.0025	.0219	.0161	.0000	.0003	.0051	.0000	.0004
%RSD	10.69	19.59	37.96	155.4	18.51	60.92	5.914	54.87	90.84
#1	-.0020	.0150	.0399	-.0053	.0002	.0009	.0804	.0000	-.0005
#2	-.0018	.0128	.0511	.0269	.0003	.0006	.0904	.0001	-.0008
#3	-.0016	.0101	.0822	.0095	.0002	.0002	.0870	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	F .0020	-0.0008	.0001	.0002	.0006	.0007	.0002	-0.0004
Stddev	.0005	.0018	.0006	.0002	.0001	.0001	.0003	.0001	.0001
%RSD	111.6	90.68	73.11	233.4	35.38	14.19	40.40	38.33	26.14
#1	.0007	-.0001	-.0008	.0000	.0003	.0007	.0010	.0003	-.0003
#2	.0008	.0034	-.0002	.0004	.0002	.0006	.0007	.0001	-.0006
#3	-.0001	.0028	-.0013	.0000	.0002	.0006	.0004	.0002	-.0005

Check ? Chk Pass Chk Fail None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit .0020
 Low Limit -.0020

Sample Name: FA32408-2 Acquired: 3/25/2016 13:12:37 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.0031	.0000	.1832	-.0001	29.43	.0002	.0019	.0003
Stddev	.0002	.0057	.001	.0002	.0000	.13	.0000	.0001	.0001
%RSD	244.6	185.7	1407.	.0937	44.54	.4534	13.58	4.795	36.39
#1	-.0002	-.0035	-.0004	.1831	-.0001	29.28	.0002	.0020	.0003
#2	.0002	.0065	.0006	.1834	-.0002	29.50	.0002	.0019	.0004
#3	.0003	.0061	-.0003	.1832	-.0001	29.52	.0002	.0019	.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0018	.4076	.7773	11.48	.4683	.0000	8.921	.0053	-.0006
Stddev	.0002	.0042	.0160	.09	.0006	.000	.007	.0001	.0004
%RSD	12.51	1.027	2.057	.8254	.1298	276.4	.0845	2.124	72.84
#1	-.0020	.4032	.7753	11.38	.4680	-.0001	8.927	.0052	-.0011
#2	-.0019	.4115	.7624	11.48	.4690	.0000	8.912	.0053	-.0002
#3	-.0015	.4082	.7941	11.57	.4679	.0001	8.922	.0054	-.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0004	.0013	8.878	.0003	.1362	.0004	-.0009	.0000	.0070
Stddev	.0008	.0018	.020	.0002	.0005	.0001	.0015	.0003	.0001
%RSD	215.4	136.0	.2255	53.07	.3341	14.69	158.9	53530.0	1.417
#1	.0012	.0001	8.855	.0005	.1364	.0003	-.0016	.0003	.0069
#2	.0001	.0033	8.888	.0003	.1356	.0005	.0008	-.0002	.0071
#3	-.0002	.0005	8.891	.0002	.1364	.0004	-.0019	-.0001	.0070
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2593.7	5111.6	42198.	4161.6					
Stddev	3.7	2.9	54.	18.2					
%RSD	.14348	.05595	.12834	.43692					
#1	2590.7	5113.8	42236.	4177.8					
#2	2592.6	5112.5	42223.	4165.1					
#3	2597.9	5108.3	42136.	4141.9					

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7.1
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Sample Name: FA32408-3 Acquired: 3/25/2016 13:17:06 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.0164	.1110	.5990	-.0001	195.2	-.0006	-.0001	.0012
Stddev	.0002	.0106	.0002	.0010	.0001	.8	.0001	.0001	.0002
%RSD	22930.	64.78	.1485	.1753	46.19	.4153	14.75	121.5	14.33
#1	.0001	.0281	.1110	.5978	-.0002	194.4	-.0005	.0000	.0013
#2	-.0001	.0074	.1108	.5997	-.0001	196.0	-.0005	-.0002	.0013
#3	-.0002	.0136	.1112	.5994	-.0001	195.1	-.0006	.0000	.0010
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0008	64.71	3.875	55.96	6.269	.0018	12.43	.0001	-.0009
Stddev	.0001	.17	.016	.25	.021	.0000	.06	.0001	.0001
%RSD	12.29	.2565	.4142	.4414	.3326	2.489	.4506	193.0	11.68
#1	-.0009	64.52	3.857	55.68	6.293	.0018	12.37	.0000	-.0009
#2	-.0009	64.77	3.882	55.13	6.255	.0018	12.44	.0002	-.0010
#3	-.0007	64.83	3.887	56.08	6.260	.0018	12.49	.0000	-.0008
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0006	.0011	9.318	.0007	.9261	.0006	.0030	.0005	.0061
Stddev	.0009	.0006	.003	.0003	.0017	.0001	.0018	.0003	.0001
%RSD	145.6	52.90	.0267	40.10	.1874	24.16	58.35	67.82	1.104
#1	.0008	.0005	9.316	.0005	.9247	.0004	.0034	.0007	.0061
#2	-.0004	.0017	9.321	.0010	.9280	.0006	.0011	.0006	.0061
#3	.0013	.0013	9.317	.0006	.9255	.0007	.0045	.0001	.0062
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2388.4	4852.5	40256.	4097.7					
Stddev	3.9	8.1	26.	20.1					
%RSD	.16273	.16756	.06541	.49063					
#1	2390.3	4860.4	40281.	4119.3					
#2	2391.0	4852.9	40228.	4094.3					
#3	2384.0	4844.2	40258.	4079.5					

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Sample Name: FA32408-1F Acquired: 3/25/2016 13:21:41 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.0138	.0098	.2472	-.0002	188.7	-.0002	.0001	.0000
Stddev	.0003	.0024	.0011	.0013	.0000	.9	.0001	.0001	.0001
%RSD	474.7	17.04	11.20	.5237	19.76	.4673	31.48	114.5	248.7
#1	.0001	.0114	.0086	.2473	-.0002	188.4	-.0001	.0001	.0002
#2	-.0004	.0138	.0108	.2485	-.0002	189.7	-.0002	.0001	.0000
#3	.0003	.0161	.0101	.2459	-.0002	188.0	-.0003	.0000	.0000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0025	3.111	3.851	55.55	5.827	.0012	12.24	.0002	.0105
Stddev	.0001	.012	.011	.20	.018	.0001	.03	.0003	.0011
%RSD	2.688	.3783	.2809	.3604	.3022	6.855	.2265	158.7	9.994
#1	.0024	3.109	3.851	55.38	5.829	.0011	12.24	.0003	.0096
#2	.0025	3.124	3.862	55.77	5.844	.0013	12.27	-.0001	.0116
#3	.0025	3.100	3.840	55.49	5.809	.0011	12.21	.0003	.0104
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0014	.0034	7.820	.0003	.8570	.0002	.0013	-.0010	.0766
Stddev	.0009	.0012	.012	.0006	.0008	.0001	.0004	.0001	.0002
%RSD	63.63	36.35	.1588	228.9	.0885	21.46	32.82	9.022	.2078
#1	.0005	.0020	7.829	.0010	.8578	.0002	.0009	-.0010	.0765
#2	.0023	.0040	7.824	.0000	.8564	.0002	.0013	-.0010	.0767
#3	.0013	.0043	7.805	-.0002	.8568	.0003	.0017	-.0009	.0767
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2350.5	4787.0	39701.	3985.7					
Stddev	2.9	4.4	15.	5.3					
%RSD	.12333	.09268	.03791	.13293					
#1	2351.2	4786.4	39701.	3986.9					
#2	2353.0	4782.9	39716.	3979.9					
#3	2347.3	4791.7	39686.	3990.3					

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Sample Name: FA32408-2F Acquired: 3/25/2016 13:26:16 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0002	.0007	-.0011	.1681	-.0002	27.26	.0002	.0016	.0000
Stddev	.0003	.0010	.0001	.0002	.0000	.13	.0001	.0001	.0001
%RSD	164.9	139.7	12.65	.1290	6.898	.4592	37.40	6.271	227.4
#1	-.0003	.0004	-.0010	.1679	-.0002	27.17	.0002	.0016	-.0001
#2	-.0004	.0017	-.0011	.1681	-.0002	27.40	.0001	.0017	.0001
#3	.0002	-.0001	-.0012	.1683	-.0002	27.21	.0001	.0015	.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0012	.0709	.7595	10.61	.4368	-.0003	8.640	.0048	.0021
Stddev	.0002	.0014	.0392	.05	.0011	.0000	.013	.0001	.0005
%RSD	15.03	1.972	5.167	.4396	.2601	4.371	.1505	2.039	22.72
#1	-.0010	.0700	.8048	10.55	.4357	-.0003	8.626	.0049	.0025
#2	-.0012	.0725	.7392	10.64	.4367	-.0003	8.641	.0048	.0015
#3	-.0014	.0703	.7346	10.63	.4380	-.0003	8.652	.0047	.0022
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0015	.0022	8.625	.0001					

Sample Name: FA32408-3F Acquired: 3/25/2016 13:30:45 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0003	.0081	.0094	.2411	-.0002	190.4	-.0002	.0000	.0002
Stddev	.0002	.0102	.0002	.0008	.0000	.2	.0000	.0001	.0002
%RSD	65.57	126.3	2.490	.3502	24.95	.1157	22.39	135.7	110.4
#1	.0004	-.0004	.0094	.2418	-.0002	190.6	-.0002	.0001	.0000
#2	.0001	.0053	.0096	.2414	-.0001	190.2	-.0001	.0000	.0002
#3	.0004	.0193	.0091	.2402	-.0002	190.3	-.0002	.0000	.0004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0001	2.908	3.890	56.29	5.808	.0011	12.38	.0001	.0059
Stddev	.0003	.013	.016	.18	.054	.0002	.03	.0001	.0001
%RSD	274.3	4.589	.4104	.3114	.9267	13.41	.2231	97.45	1.085
#1	.0002	2.902	3.894	56.45	5.825	.0013	12.36	.0000	.0058
#2	.0003	2.898	3.904	56.11	5.748	.0010	12.38	.0002	.0058
#3	-.0002	2.923	3.872	56.31	5.851	.0011	12.41	.0002	.0060
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0002	.0033	7.920	.0001	.8611	.0002	.0008	-.0009	.0277
Stddev	.0006	.0017	.013	.0001	.0024	.0001	.0012	.0001	.0001
%RSD	328.9	52.18	.1620	61.48	.2822	49.27	142.6	8.077	.3970
#1	-.0003	.0051	7.918	.0001	.8626	.0002	-.0004	-.0009	.0278
#2	.0009	.0016	7.909	.0002	.8583	.0001	.0008	-.0009	.0278
#3	.0000	.0032	7.934	.0001	.8623	.0002	.0020	-.0008	.0276
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2360.7	4808.2	3985.8	4001.8					
Stddev	.8	6.3	167.	6.4					
%RSD	.03356	.13130	.41829	.16028					
#1	2360.8	4809.6	3988.7	3996.5					
#2	2361.4	4813.7	4000.9	3999.8					
#3	2359.8	4801.3	3967.9	4008.9					

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Sample Name: FA32429-16 Acquired: 3/25/2016 13:35:21 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0003	.0286	-.0003	.0202	-.0002	35.49	-.0001	.0006	-.0002
Stddev	.0002	.0101	.0006	.0000	.0001	.05	.0000	.0001	.0001
%RSD	58.11	35.19	252.7	.0848	21.31	.1482	27.07	10.01	52.87
#1	-.0002	.0202	-.0004	.0202	-.0002	35.44	-.0001	.0006	-.0003
#2	-.0003	.0259	-.0008	.0202	-.0002	35.48	-.0001	.0005	-.0001
#3	-.0006	.0398	.0004	.0202	-.0003	35.55	-.0002	.0006	-.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0002	-.0047	1.013	8.481	.0061	.0000	10.54	.0009	.0001
Stddev	.0002	.0023	.008	.040	.0001	.000	.03	.0003	.0005
%RSD	94.37	49.52	.8014	.4737	1.226	170.6	.3073	32.42	456.1
#1	.0003	-.0022	1.023	8.523	.0061	.0000	10.55	.0012	-.0004
#2	.0000	-.0051	1.008	8.443	.0062	-.0001	10.50	.0007	.0004
#3	.0002	-.0068	1.009	8.478	.0060	.0000	10.56	.0008	.0003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0004	.0008	3.526	.0024	.5603	.0002	-.0012	.0040	.0066
Stddev	.0007	.0014	.004	.0001	.0009	.0001	.0003	.0002	.0001
%RSD	180.5	182.9	.1217	2.447	.1634	45.81	23.13	4.036	1.013
#1	-.0001	.0024	3.524	.0024	.5603	.0003	-.0010	.0040	.0065
#2	.0000	-.0003	3.522	.0023	.5594	.0001	-.0012	.0038	.0066
#3	.0011	.0003	3.530	.0023	.5612	.0003	-.0015	.0041	.0065
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2595.0	5094.3	4206.0	4140.4					
Stddev	5.4	5.5	121.	10.9					
%RSD	.20681	.10863	.28724	.26285					
#1	2590.7	5088.1	4211.3	4149.4					
#2	2593.2	5095.9	4192.2	4143.4					
#3	2601.0	5098.8	4214.6	4128.3					

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Sample Name: FA32430-16 Acquired: 3/25/2016 13:39:52 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0002	.0433	-.0009	.0202	-.0002	35.47	-.0001	.0005	.0000
Stddev	.0003	.0035	.0007	.0002	.0000	.19	.0000	.0000	.0004
%RSD	189.1	8.128	81.52	.7418	11.39	.5217	19.80	9.042	925.3
#1	.0002	.0416	-.0008	.0201	-.0002	35.32	-.0002	.0005	-.0002
#2	-.0004	.0473	-.0002	.0201	-.0002	35.41	-.0001	.0005	-.0002
#3	-.0003	.0408	-.0016	.0204	-.0002	35.67	-.0001	.0005	.0006
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0004	.0026	.9821	8.431	.0059	.0000	10.52	.0011	-.0004
Stddev	.0001	.0029	.0183	.076	.0001	.000	.03	.0001	.0005
%RSD	36.35	108.7	1.866	.8968	.8619	2888.	.3128	5.809	110.9
#1	-.0005	.0006	.9860	8.375	.0059	-.0001	10.53	.0011	-.0007
#2	-.0005	.0015	.9621	8.401	.0060	.0000	10.48	.0011	.0001
#3	-.0002	.0059	.9982	8.517	.0059	.0000	10.55	.0010	-.0008
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0005	.0018	3.506	.0001	.5570	.0005	-.0016	.0038	.0117
Stddev	.0013	.0008	.009	.0002	.0008	.0000	.0009	.0001	.0000
%RSD	249.0	43.47	.2514	376.9	.1455	7.506	57.10	3.520	.3307
#1	.0019	.0015	3.496	.0001	.5569	.0005	-.0026	.0039	.0118
#2	.0001	.0013	3.512	.0002	.5563	.0005	-.0017	.0037	.0117
#3	-.0005	.0027	3.511	-.0002	.5579	.0005	-.0007	.0037	.0117
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2586.1	5105.2	4211.8	4164.5					
Stddev	5.7	1.0	150.	12.5					
%RSD	.22005	.02049	.35523	.30130					
#1	2584.3	5106.4	4228.8	4176.8					
#2	2581.6	5104.4	4200.6	4165.0					
#3	2592.5	5104.9	4206.1	4151.7					

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Sample Name: FA32528-1F Acquired: 3/25/2016 13:44:23 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.0153	.0046	.0378	-.0002	135.1	-.0001	.0001	.0004
Stddev	.0004	.0056	.0001	.0002	.0001	.4	.0000	.0001	.0001
%RSD	797.7	36.59	1.532	.4067	28.54	.3173	8.537	52.30	23.91
#1	.0002	.0112	.0046	.0378	-.0003	134.7	-.0001	.0002	.0005
#2	-.0004	.0130	.0046	.0380	-.0002	135.2	-.0001	.0001	.0005
#3	.0003	.0217	.0047	.0377	-.0001	135.5	-.0001	.0001	.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0016	.0998	14.36	17.08	.0340	.0052	19.25	.0018	-.0013
Stddev	.0000	.0006	.03	.13	.0001	.0000	.03	.0002	.0007
%RSD	2.355	.6310	.1885	.7760	.2161	.2725	.1583	10.09	52.44
#1	-.0016	.0998	14.33	16.96	.0341	.0051	19.25	.0016	-.0017
#2	-.0017	.1005	14.38	17.05	.0340	.0052	19.29	.0020	-.0017
#3	-.0017	.0992	14.37	17.22	.0341	.0052	19.23	.0017	-.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(

Sample Name: FA32434-1 Acquired: 3/25/2016 13:48:51 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Aq3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.0007	-0.0016	.0003	-0.0003	.0813	-0.0001	-0.0001	-0.0003
Stddev	.0001	.0084	.0004	.0001	.0001	.0018	.0000	.0001	.0001
%RSD	166.8	1253.	23.09	38.64	23.13	2.224	22.05	56.63	44.28
#1	-0.001	-0.082	-0.018	.0004	-0.0003	.0805	-0.001	.0000	-0.0005
#2	.0002	.0084	-0.012	.0003	-0.0002	.0800	-0.001	-0.0001	-0.0003
#3	.0001	.0018	-0.018	.0002	-0.0003	.0834	-0.001	-0.0001	-0.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0018	-0.0091	.0551	.0028	.0000	-0.0008	.1037	.0000	.0000
Stddev	.0001	.0020	.0238	.0244	.000	.0001	.0019	.0002	.001
%RSD	5.268	21.99	43.19	861.0	607.5	18.27	1.818	648.2	1097.
#1	-0.019	-0.083	.0713	-0.028	.0000	-0.010	.1018	.0000	-0.0005
#2	-0.019	-0.114	.0278	-0.183	.0000	-0.007	.1056	-0.001	-0.002
#3	-0.017	-0.076	.0663	.0295	.0000	-0.007	.1036	.0002	.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0010	.0012	.0067	-0.0003	.0006	-0.0005	-0.0012	-0.0001	.0020
Stddev	.0007	.0009	.0002	.0003	.0001	.0000	.0005	.0001	.0001
%RSD	69.71	76.89	2.712	105.2	18.08	3.767	46.11	71.83	2.605
#1	.0019	.0020	.0069	-0.0002	.0007	-0.0005	-0.0006	-0.0002	.0020
#2	.0004	.0002	.0068	-0.0006	.0006	-0.0005	-0.0016	.0000	.0020
#3	.0008	.0014	.0065	.0000	.0005	-0.0005	-0.0013	-0.0002	.0021
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2734.1	5237.7	43782.	4198.4					
Stddev	2.0	3.4	110.	18.2					
%RSD	.07362	.06474	.25071	.43255					
#1	2733.9	5238.9	43733.	4203.8					
#2	2736.3	5240.4	43907.	4178.2					
#3	2732.3	5233.9	43705.	4213.3					

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Sample Name: FA32434-2 Acquired: 3/25/2016 13:53:25 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Aq3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0001	-0.0020	-0.0015	.0000	-0.0002	.0625	-0.0001	-0.0002	-0.0004
Stddev	.0001	.0078	.0012	.000	.0000	.0015	.0000	.0001	.0000
%RSD	237.0	387.6	76.74	643.6	14.79	2.410	5.485	56.78	11.82
#1	-0.001	-0.0055	-0.0026	.0002	-0.0002	.0619	-0.0001	-0.0001	-0.0004
#2	-0.002	-0.0074	-0.0003	-0.0003	-0.0002	.0643	-0.0001	-0.0002	-0.0003
#3	.0001	.0069	-0.0017	.0000	-0.0002	.0614	-0.0001	-0.0003	-0.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0017	-0.0055	.0324	-0.0199	.0000	-0.0009	8.173	.0001	.0002
Stddev	.0002	.0029	.0098	.0094	.0000	.0001	.009	.0001	.0004
%RSD	8.875	52.53	30.43	47.39	81.88	9.938	.1079	66.85	250.2
#1	-0.019	-0.022	.0369	-0.130	.0001	-0.009	8.179	.0000	-0.0003
#2	-0.016	-0.068	.0391	-0.0306	.0000	-0.008	8.163	.0001	.0003
#3	-0.016	-0.075	.0211	-0.161	.0000	-0.009	8.178	.0001	.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0002	.0004	.0090	.0000	.0001	-0.0004	-0.0017	-0.0003	.0031
Stddev	.0010	.0012	.0003	.000	.0001	.0001	.0006	.0001	.0001
%RSD	463.0	292.0	2.897	983.5	61.99	25.50	35.27	15.76	4.447
#1	.0000	.0016	.0087	-0.0005	.0001	-0.0004	-0.0010	-0.0003	.0030
#2	-0.0007	.0003	.0091	.0003	.0000	-0.0003	-0.0022	-0.0004	.0032
#3	.0013	-0.0007	.0091	.0001	.0002	-0.0005	-0.0020	-0.0003	.0030
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2696.4	5185.7	42978.	4185.4					
Stddev	1.2	11.5	67.	31.3					
%RSD	.04318	.22252	.15524	.74786					
#1	2697.0	5191.1	42944.	4211.9					
#2	2697.2	5193.5	43055.	4193.4					
#3	2695.1	5172.4	42935.	4150.9					

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Sample Name: CCV Acquired: 3/25/2016 13:57:56 Type: QC
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Aq3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2572	40.48	1.988	2.023	2.022	41.26	2.030	2.031	2.053
Stddev	.0005	.05	.004	.001	.002	.09	.003	.001	.008
%RSD	.2100	.1129	.1987	.0593	.0796	.2224	.1240	.0485	.3993
#1	.2567	40.43	1.985	2.023	2.023	41.16	2.033	2.032	2.050
#2	.2578	40.51	1.987	2.022	2.020	41.32	2.029	2.030	2.048
#3	.2572	40.49	1.992	2.024	2.023	41.30	2.029	2.031	2.063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.022	39.79	40.99	41.13	2.047	2.036	40.17	2.019	2.012
Stddev	.007	.08	.01	.15	.008	.002	.01	.004	.002
%RSD	.3371	.2038	.0335	.3585	.4043	.0865	.0336	.1775	.0832
#1	2.021	39.70	40.99	40.99	2.049	2.036	40.15	2.022	2.013
#2	2.029	39.79	40.98	41.28	2.038	2.034	40.17	2.015	2.011
#3	2.015	39.86	41.01	41.11	2.054	2.037	40.18	2.020	2.014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.985	1.998	2.282	2.070	2.071	2.062	2.021	2.043	2.056
Stddev	.002	.004	.004	.003	.004	.005	.002	.004	.003
%RSD	.0796	.2056	.1676	.1294	.1710	.2438	.0766	.2016	.1267
#1	1.984	1.999	2.283	2.073	2.068	2.067	2.021	2.044	2.057
#2	1.983	2.002	2.278	2.068	2.071	2.057	2.019	2.038	2.058
#3	1.986	1.994	2.285	2.068	2.075	2.063	2.022	2.046	2.053
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 3/25/2016 13:57:56 Type: QC
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2375.4	5043.8	41573.	4161.0
Stddev	2.8	4.3	62.	17.7
%RSD	.11818	.08560	.14807	.42565
#1	2377.9	5048.7	41568.	4180.2
#2	2372.4	5040.7	41637.	4145.3
#3	2376.1	5042.0	41514.	4157.6

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Sample Name: CCB Acquired: 3/25/2016 14:02:07 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0002	-0.0005	-0.0001	-0.0001	-0.0054	.0000	.0000	-0.0003
Stddev	.0002	.0034	.0009	.0002	.0000	.0038	.000	.0000	.0001
%RSD	153.5	1987.	170.3	136.8	33.06	69.72	2696.	105.7	52.37

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0019	.0032	.0338	-0.0150	.0000	.0006	.0437	.0000	-0.0002
Stddev	.0001	.0022	.0174	.0200	.000	.0002	.0027	.0001	.0002
%RSD	7.858	70.02	51.44	133.5	488.1	39.95	6.219	306.0	102.5

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	.0004	-0.0017	.0001	-0.0001	.0008	-0.0003	-0.0001	-0.0005
Stddev	.0007	.0010	.0001	.0007	.0000	.0001	.0004	.0000	.0000
%RSD	67.84	259.8	6.776	1078.	9.452	15.33	115.0	40.33	2.549

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/25/2016 14:02:07 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2728.6	5229.3	43425.	4242.3
Stddev	2.6	12.8	206.	16.2
%RSD	.09375	.24438	.47547	.38094

#1 2731.1 5238.3 43226. 4227.8
 #2 2728.6 5214.7 43411. 4259.7
 #3 2726.0 5234.9 43638. 4239.2

7.1
7

Sample Name: MP30167-MB2A Acquired: 3/25/2016 14:06:41 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	-0.0057	-0.0018	.0005	-0.0002	.0112	-0.0001	-0.0001	-0.0002
Stddev	.0002	.0057	.0006	.0001	.0000	.0028	.0000	.0001	.0002
%RSD	353.8	99.73	30.70	24.81	13.15	25.55	29.50	50.02	97.75

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0014	-0.0058	.0328	-0.0341	.0002	-0.0004	.0597	-0.0004	.0001
Stddev	.0002	.0017	.0389	.0032	.0000	.0001	.0094	.0001	.0003
%RSD	14.34	29.54	118.7	9.422	3.601	34.18	15.69	32.11	390.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	.0017	.0075	.0001	-0.0001	-0.0002	-0.0012	-0.0001	.0091
Stddev	.0007	.0010	.0001	.0002	.0000	.0002	.0006	.0002	.0001
%RSD	67.78	61.04	1.601	180.2	33.68	88.06	52.30	185.4	.7642

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30167-MB2A Acquired: 3/25/2016 14:06:41 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2730.7	5218.7	43644.	4212.2
Stddev	2.4	6.0	80.	30.8
%RSD	.08621	.11449	.18390	.73158

#1 2732.9 5214.5 43625. 4176.6
 #2 2728.2 5225.5 43575. 4230.8
 #3 2730.9 5216.0 43732. 4229.2

Sample Name: MP30169-MB1 Acquired: 3/25/2016 14:11:16 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.020	-0.015	.002	-0.002	.0388	-0.001	-0.001	-0.003
Stddev	.0000	.0011	.0003	.0001	.0000	.0013	.0000	.0001	.0000
%RSD	48.86	54.20	22.55	67.45	11.07	3.251	28.37	54.90	16.57

#1 -0.001 -0.013 -0.018 .001 -0.002 .0401 -0.001 -0.001 -0.003
 #2 .000 -0.032 -0.013 .002 -0.002 .0376 -0.001 -0.001 -0.002
 #3 -0.001 -0.014 -0.012 .004 -0.002 .0388 -0.001 -0.002 -0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

High Limit
Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.020	-0.086	.0280	-0.210	-0.001	-0.008	.0405	-0.002	-0.002
Stddev	.0002	.0027	.0299	.0225	.0000	.0000	.0018	.0000	.0003
%RSD	10.05	31.30	106.6	107.4	20.66	3.054	4.531	26.15	167.4

#1 -0.018 -0.075 -0.056 -0.007 -0.001 -0.007 .0383 -0.001 .0002
 #2 -0.019 -0.117 .0384 -0.0452 -0.001 -0.008 .0414 -0.001 -0.004
 #3 -0.022 -0.066 .0513 -0.170 -0.001 -0.008 .0416 -0.002 -0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

High Limit
Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	.0003	.0058	.0001	.0008	-0.004	-0.014	.0000	-0.0005
Stddev	.0005	.0011	.0003	.0004	.0001	.0001	.0004	.000	.0000
%RSD	41.91	324.7	4.312	302.1	6.780	19.93	25.75	251.5	7.526

#1 .0016 .0015 .0061 -0.001 .0007 -0.004 -0.018 -0.001 -0.004
 #2 .0006 .0001 .0057 .0006 .0008 -0.005 -0.012 .0000 -0.0005
 #3 .0014 -0.0006 .0057 -0.001 .0008 -0.004 -0.012 .0000 -0.0005

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

High Limit
Low Limit

Sample Name: MP30169-MB1 Acquired: 3/25/2016 14:11:16 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2762.0	5280.0	43993.0	4203.7
Stddev	9.9	8.1	12.0	72.2
%RSD	.35815	.15319	.02701	1.7172

#1 2765.1 5278.5 43997.0 4127.3
 #2 2770.0 5288.6 44002.0 4212.8
 #3 2750.9 5272.7 43979.0 4270.8

Sample Name: MP30169-B1 Acquired: 3/25/2016 14:15:51 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0491	29.15	2.019	2.103	.0538	27.64	.0529	.5247	2.152
Stddev	.0002	.20	.004	.005	.0002	.09	.0000	.0001	.0006
%RSD	.4492	.6796	.2228	.2188	.4374	.3196	.0879	.0167	.2962

#1 .0488 29.10 2.014 2.098 .0535 27.66 .0529 .5248 2.157
 #2 .0491 29.36 2.022 2.105 .0540 27.71 .0529 .5246 2.145
 #3 .0493 28.97 2.020 2.106 .0538 27.54 .0529 .5247 2.153

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2631	28.51	27.30	27.74	.5441	.5220	26.90	.5324	.5091
Stddev	.0002	.15	.12	.14	.0013	.0008	.07	.0014	.0009
%RSD	.0897	.5329	.4455	.5029	.2478	.1574	.2711	.2653	.1860

#1 .2631 28.53 27.16 27.68 .5456 .5212 26.87 .5316 .5081
 #2 .2634 28.66 27.38 27.90 .5430 .5220 26.98 .5340 .5093
 #3 .2629 28.36 27.37 27.65 .5435 .5228 26.84 .5316 .5099

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5086	2.031	.0187	.5415	.5235	.5363	2.026	.5033	.5357
Stddev	.0014	.005	.0002	.0014	.0027	.0014	.002	.0016	.0006
%RSD	.2767	.2394	1.249	.2622	.5125	.2674	.0797	.3109	.1086

#1 .5071 2.030 .0186 .5400 .5217 .5377 2.028 .5049 .5352
 #2 .5098 2.027 .0185 .5428 .5266 .5364 2.025 .5018 .5363
 #3 .5090 2.037 .0190 .5416 .5223 .5348 2.025 .5030 .5357

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass

Value Range

Sample Name: MP30169-B1 Acquired: 3/25/2016 14:15:51 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2469.1	5062.9	41727.0	4135.0
Stddev	3.0	5.6	106.0	41.1
%RSD	.12324	.11011	.25458	.99466

#1 2465.6 5058.5 41604.0 4138.2
 #2 2471.2 5069.1 41789.0 4092.3
 #3 2470.6 5060.9 41788.0 4174.4

Sample Name: FA32417-2L Acquired: 3/25/2016 14:20:05 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.002	0.1168	-0.0014	0.0036	-0.0003	3.285	-0.0001	-0.0001	0.0004
Stddev	0.0004	0.0051	0.0001	0.0004	0.0000	0.018	0.0000	0.0001	0.0002
%RSD	216.0	4.389	5.023	9.955	15.05	0.507	30.33	43.78	42.92
#1	-0.006	0.1206	-0.0015	0.0034	-0.0002	3.267	-0.0002	-0.0002	0.0005
#2	-0.001	0.1110	-0.0014	0.0035	-0.0003	3.287	-0.0001	-0.0001	0.0003
#3	0.001	0.1189	-0.0014	0.0040	-0.0003	3.303	-0.0002	-0.0002	0.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0011	0.0333	0.1602	0.0328	0.0015	-0.0002	F 160.4	0.0000	0.0000
Stddev	0.0002	0.0039	0.0381	0.0061	0.0000	0.0001	1.0	0.000	0.000
%RSD	20.42	11.65	23.79	18.64	3.044	56.07	0.6041	512.7	2490.
#1	-0.008	0.0373	0.1226	0.0387	0.0015	-0.0003	161.1	0.0001	0.0001
#2	-0.011	0.0331	0.1988	0.0331	0.0016	-0.0001	159.3	0.0000	-0.0001
#3	-0.013	0.0296	0.1591	0.0265	0.0015	-0.0001	160.9	-0.0002	0.0000
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0012	0.0007	0.1361	0.0006	0.0085	0.0131	-0.0009	0.0000	0.0028
Stddev	0.0008	0.0010	0.0006	0.0002	0.0001	0.0008	0.0010	0.000	0.0000
%RSD	69.52	138.0	0.4073	31.17	1.270	5.732	115.9	3136.	2853
#1	0.021	0.005	0.1367	0.005	0.0086	0.0124	-0.0001	-0.0002	0.0028
#2	0.005	0.0018	0.1359	0.008	0.0084	0.0139	-0.0005	0.0001	0.0028
#3	0.010	-0.002	0.1357	0.005	0.0085	0.0130	-0.0020	0.0001	0.0028
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2452.7	4970.2	4037.1	4134.2					
Stddev	2.6	7.5	108.	14.7					
%RSD	0.10536	0.15037	2.6827	0.35629					
#1	2451.3	4961.8	4027.8	4137.9					
#2	2455.7	4972.9	4049.0	4146.7					
#3	2451.2	4976.0	4034.5	4117.9					

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7.1
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Sample Name: MP30169-D1 Acquired: 3/25/2016 14:24:45 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.0001	0.1255	-0.0018	0.0035	-0.0002	3.274	-0.0001	-0.0001	0.0005
Stddev	0.0001	0.0038	0.0005	0.0004	0.0000	0.034	0.0000	0.0001	0.0003
%RSD	182.6	2.994	27.59	12.81	9.359	1.032	37.55	94.87	62.62
#1	-0.002	0.1294	-0.0014	0.0033	-0.0002	3.236	-0.0001	0.0000	0.0001
#2	-0.001	0.1219	-0.0017	0.0040	-0.0002	3.286	-0.0001	-0.0001	0.0006
#3	0.001	0.1251	-0.0024	0.0032	-0.0002	3.301	-0.0001	-0.0001	0.0007
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0010	0.0301	0.1478	0.0411	0.0015	-0.0002	F 156.0	0.0000	-0.0002
Stddev	0.0001	0.0013	0.0139	0.0095	0.0000	0.0001	1.8	0.000	0.0003
%RSD	11.89	4.361	9.424	23.10	2.159	25.84	1.151	235.6	197.5
#1	-0.009	0.0286	0.1625	0.0349	0.0014	-0.0003	154.0	0.0000	-0.0002
#2	-0.009	0.0309	0.1462	0.0364	0.0015	-0.0003	157.2	-0.0001	0.0002
#3	-0.011	0.0308	0.1348	0.0521	0.0015	-0.0002	156.9	0.0000	-0.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0003	0.0014	0.1458	0.0003	0.0085	0.0142	-0.0010	0.0000	0.0026
Stddev	0.0013	0.0019	0.0025	0.0001	0.0002	0.0002	0.0009	0.0001	0.0000
%RSD	460.8	137.8	1.723	40.04	2.285	1.253	88.17	311.8	1.275
#1	0.016	-0.006	0.1487	0.002	0.0083	0.0144	-0.0003	0.0000	0.0026
#2	0.002	0.016	0.1447	0.003	0.0086	0.0142	-0.0020	0.0001	0.0026
#3	-0.010	0.032	0.1440	0.005	0.0086	0.0140	-0.0007	-0.0001	0.0026
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2454.1	4996.8	4056.0	4149.0					
Stddev	6.1	12.9	82.	38.5					
%RSD	0.24736	0.25763	2.0109	0.92811					
#1	2452.0	4985.7	4057.9	4192.8					
#2	2449.3	4993.6	4063.1	4120.4					
#3	2460.9	5010.9	4047.1	4133.8					

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Sample Name: MP30169-SD1 Acquired: 3/25/2016 14:29:26 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.0004	0.1085	-0.0025	0.0024	-0.0010	3.105	-0.0005	-0.0007	-0.0010
Stddev	0.0007	0.0407	0.0023	0.0012	0.0005	0.028	0.0002	0.0002	0.0003
%RSD	182.2	37.54	90.94	50.57	44.35	0.928	35.68	25.53	33.12
#1	0.011	0.1208	-0.0024	0.0037	-0.0005	3.075	-0.0004	-0.0005	-0.0013
#2	-0.004	0.0630	-0.0048	0.0023	-0.0012	3.131	-0.0007	-0.0008	-0.0007
#3	0.005	0.1416	-0.0003	0.0013	-0.0014	3.108	-0.0004	-0.0008	-0.0009
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0093	-0.0179	0.3329	-0.0187	0.0008	-0.0045	154.2	-0.0003	0.0001
Stddev	0.0003	0.0038	0.1506	0.041	0.0001	0.0006	1.0	0.0005	0.0034
%RSD	3.399	21.07	45.25	341.9	16.25	13.38	0.6743	189.3	4260.
#1	-0.0094	-0.0199	0.3295	0.0539	0.0008	-0.0045	153.0	-0.0007	0.0008
#2	-0.0090	-0.0136	0.1840	-0.0674	0.0006	-0.0040	154.7	0.0003	-0.0036
#3	-0.0096	-0.0203	0.4852	-0.0427	0.0009	-0.0052	155.0	-0.0004	0.0031
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0018	0.0076	0.1285	0.0001	0.0072	0.0098	0.0002	-0.0013	0.0329
Stddev	0.0029	0.0029	0.0011	0.0008	0.0004	0.0009	0.0032	0.0007	0.0005
%RSD	157.8	37.84	0.8773	856.6	5.926	8.852	1747.	55.09	1.370
#1	0.013	0.0108	0.1291	0.0001	0.0067	0.0094	0.0000	-0.0007	0.0328
#2	-0.0044	0.0053	0.1293	-0.0007	0.0075	0.0108	-0.0029	-0.0011	0.0325
#3	-0.0025	0.0067	0.1272	0.0009	0.0073	0.0093	0.0034	-0.0020	0.0334
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2656.0	5207.2	4285.5	4269.0					
Stddev	7	3.8	30.	46.4					
%RSD	0.2471	0.07230	0.07065	1.0860					
#1	2656.8	5206.8	4287.7	4322.0					
#2	2655.8	5203.6	4286.7	4235.9					
#3	2655.5	5211.1	4282.0	4249.1					

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Sample Name: MP30169-S1 Acquired: 3/25/2016 14:34:00 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.0484	0.2861	2.001	2.072	0.0524	30.12	0.0509	0.5039	2.088
Stddev	0.0006	0.15	0.04	0.005	0.0004	0.18	0.0001	0.0002	0.0006
%RSD	1.265	50.96	1.829	2.344	0.7205	6.120	0.1461	0.0333	0.2720
#1	-0.0489	0.2863	1.999	2.070	0.0523	29.97	0.0509	0.5039	2.092
#2	-0.0486	0.2874	2.005	2.077	0.0529	30.33	0.0508	0.5041	2.082
#3	-0.0477	0.2845	1.998	2.068	0.0522	30.07	0.0510	0.5038	2.091
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.2610	0.2780	0.2723	0.2691	0.5258	0.5076	F 181.0	0.5072	0.4937</

Sample Name: MP30169-S2 Acquired: 3/25/2016 14:38:22 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0490	28.89	2.025	2.091	.0528	30.43	.0515	5.104	.2097
Stddev	.0004	.09	.004	.002	.0003	.19	.0001	.0008	.0007
%RSD	.9167	.2971	.1857	.1157	.5054	.6344	.2906	.1530	.3205
#1	.0486	28.98	2.020	2.090	.0530	30.64	.0513	5.097	.2092
#2	.0489	28.81	2.026	2.094	.0528	30.26	.0516	5.102	.2095
#3	.0494	28.88	2.028	2.090	.0525	30.39	.0515	5.112	.2105
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2636	28.07	27.47	27.12	.5281	5.150	F 181.3	5.137	.4978
Stddev	.0008	.13	.01	.29	.0025	.0007	1.9	.0008	.0006
%RSD	.3008	.4515	.0301	1.063	.4742	.1343	1.066	.1565	.1165
#1	.2645	28.21	27.48	27.44	.5274	5.142	183.6	5.131	.4982
#2	.2630	28.03	27.47	26.88	.5260	5.152	180.3	5.134	.4981
#3	.2635	27.97	27.47	27.04	.5309	5.156	180.2	5.146	.4972
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5069	2.083	.1553	.5277	.5306	5.384	1.955	4.935	.5300
Stddev	.0009	.007	.0027	.0010	.0009	.0019	.007	.0016	.0007
%RSD	.1810	.3145	1.724	.1918	.1766	.3544	.3552	.3218	.1358
#1	.5079	2.076	.1583	.5276	.5309	5.376	1.949	4.924	.5297
#2	.5069	2.086	.1531	.5287	.5314	5.370	1.963	4.927	.5296
#3	.5060	2.088	.1546	.5267	.5296	5.406	1.954	4.953	.5309
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2338.8	4929.2	4052.1	4148.2					
Stddev	2.3	5.2	210.	42.0					
%RSD	.09762	.10630	.51792	1.0125					
#1	2337.5	4932.9	4063.0	4099.9					
#2	2337.6	4931.4	4065.4	4176.2					
#3	2341.5	4923.2	4027.9	4168.5					

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Sample Name: MP30169-MB2 Acquired: 3/25/2016 14:42:44 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.022	-0.011	.0014	-0.002	.0601	-0.001	-0.002	-0.002
Stddev	.001	.0034	.0010	.0003	.0000	.0047	.0000	.0001	.0001
%RSD	1208.	157.5	93.25	22.10	8.456	7.753	22.86	38.94	39.60
#1	.0004	-0.011	-0.023	.0013	-0.002	.0622	-0.001	-0.002	-0.002
#2	.0002	-0.060	-0.006	.0012	-0.002	.0633	-0.002	-0.002	-0.003
#3	-0.007	.0006	-0.004	.0018	-0.003	.0547	-0.001	-0.001	-0.002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.016	.0006	.1909	-0.180	.0002	-0.0006	F 151.9	-0.002	-0.001
Stddev	.0002	.0006	.0424	.0131	.0000	.0002	1.9	.0002	.0010
%RSD	9.650	95.99	22.21	72.68	25.54	37.27	1.248	79.97	1666.
#1	-0.017	.0013	.1666	-0.312	.0002	-0.0007	154.0	-0.002	-0.008
#2	-0.015	.0004	.1662	-0.050	.0002	-0.0003	151.0	-0.001	.0010
#3	-0.018	.0002	.2398	-0.178	.0002	-0.0006	150.5	-0.004	-0.005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							2.500		
Low Limit							-2.500		
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0028	.0101	.0004	-0.001	-0.001	-0.003	-0.001	.0002
Stddev	.0002	.0024	.0007	.0002	.0000	.0000	.0012	.0002	.0001
%RSD	42.62	85.82	6.563	45.94	26.09	33.55	493.0	141.5	39.50
#1	.0006	.0007	.0100	.0002	-0.001	-0.001	.0009	.0000	.0001
#2	.0003	.0023	.0095	.0006	-0.001	-0.002	-0.0016	-0.004	.0002
#3	.0003	.0055	.0108	.0005	-0.001	-0.001	-0.0011	.0000	.0002
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: MP30169-MB2 Acquired: 3/25/2016 14:42:44 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2470.1	4978.1	4080.1	4248.7
Stddev	7.8	9.3	71.	32.8
%RSD	.31592	.18620	.17492	.77189
#1	2461.0	4967.5	4072.4	4213.7
#2	2474.5	4981.9	4081.5	4253.7
#3	2474.6	4984.9	4086.4	4278.8

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Sample Name: MP30169-B2 Acquired: 3/25/2016 14:47:27 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0488	28.51	2.036	2.078	.0526	26.87	.0515	.5095	.2083
Stddev	.0005	.17	.003	.009	.0003	.12	.0001	.0004	.0010
%RSD	1.096	.5848	.1520	.4073	.5872	.4419	.2013	.0833	.4624
#1	.0494	28.38	2.038	2.071	.0523	26.85	.0515	.5093	.2091
#2	.0485	28.69	2.033	2.088	.0529	27.00	.0515	.5093	.2086
#3	.0484	28.45	2.039	2.076	.0526	26.77	.0517	.5100	.2072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2620	27.80	27.05	26.71	.5261	5.134	F 180.5	5.154	.4996
Stddev	.0005	.06	.13	.11	.0011	.0009	2.6	.0007	.0009
%RSD	.1818	.2117	.4883	.4231	.2172	.1774	1.460	.1435	.1812
#1	.2621	27.74	26.91	26.71	.5260	5.131	180.3	5.157	.5005
#2	.2623	27.85	27.17	26.83	.5273	5.128	183.3	5.146	.4987
#3	.2614	27.81	27.06	26.60	.5250	5.145	178.0	5.159	.4997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							25.00		
Range							20.00%		
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5095	2.085	.0228	.5229	.5166	.5232	1.952	4.920	.5265
Stddev	.0014	.004	.0014	.0014	.0023	.0011	.002	.0012	.0009
%RSD	.2827	.1715	6.314	.2743	.4520	.2065	.1052	.2386	.1729
#1	.5095	2.081	.0215	.5233	.5141	.5223	1.950	4.926	.5270
#2	.5081	2.085	.0225	.5213	.5187	.5244	1.951	4.928	.5270
#3	.5110	2.088	.0243	.5241	.5170	.5228	1.954	4.907	.5254
Check ?	Chk Pass	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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Sample Name: MP30169-B2 Acquired: 3/25/2016 14:47:27 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2346.3	4926.6	4071.9	4172.8
Stddev	2.6	11.2	50.	37.9
%RSD	.10941	.22668	.12200	.90854
#1	2349.1	4934.1	40686.	4172.7
#2	2345.5	4932.0	40695.	4135.0
#3	2344.2	4913.8	40776.	4210.8

Sample Name: CCV Acquired: 3/25/2016 14:51:48 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.2532	39.99	1.996	1.994	2.016	40.53	2.028	2.019	2.023
Stddev	.0004	.13	.004	.004	.007	.11	.004	.003	.001
%RSD	.1522	.3164	.2240	.1931	.3506	.2617	.2047	.1616	.0364
#1	.2533	40.00	2.001	1.993	2.014	40.64	2.032	2.023	2.022
#2	.2528	39.86	1.994	1.991	2.010	40.43	2.025	2.017	2.023
#3	.2536	40.12	1.993	1.998	2.024	40.52	2.025	2.018	2.024

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	1.997	39.48	40.47	40.34	2.028	2.028	39.80	2.027	1.999
Stddev	.001	.09	.16	.05	.004	.001	.06	.006	.003
%RSD	.0343	.2341	.3927	.1340	.1780	.0542	.1489	.2942	.1315
#1	1.998	39.41	40.50	40.38	2.024	2.029	39.80	2.034	2.002
#2	1.996	39.44	40.30	40.28	2.031	2.027	39.74	2.024	1.998
#3	1.997	39.59	40.62	40.37	2.028	2.027	39.86	2.024	1.998

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	1.999	2.003	2.294	2.047	2.041	2.055	2.012	2.031	2.025
Stddev	.003	.004	.004	.002	.008	.001	.003	.003	.004
%RSD	.1438	.2196	.1753	.0993	.4104	.0603	.1235	.1368	.1712
#1	2.002	2.001	2.295	2.048	2.038	2.054	2.010	2.028	2.029
#2	1.996	1.999	2.290	2.045	2.036	2.056	2.011	2.030	2.025
#3	1.998	2.008	2.298	2.048	2.051	2.056	2.015	2.034	2.022

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: CCV Acquired: 3/25/2016 14:51:48 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2398.7	5046.0	42039.	4230.7
Stddev	.9	7.9	73.	6.5
%RSD	.03676	.15589	.17386	.15456
#1	2399.7	5037.6	42056.	4227.7
#2	2398.3	5053.2	41959.	4226.1
#3	2398.1	5047.3	42102.	4238.2

Sample Name: CCB Acquired: 3/25/2016 14:55:58 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm
Avg	-.0002	.0035	.0001	.0003	-.0001	.0006	.0001	.0000
Stddev	.0002	.0064	.0004	.0001	.0001	.0020	.0000	.0000
%RSD	102.5	180.7	275.1	39.87	77.38	339.5	29.81	100.2
#1	.0000	.0081	-.0003	.0004	-.0001	.0020	.0001	.0000
#2	-.0005	-.0038	.0002	.0003	.0000	.0015	.0001	.0001
#3	-.0002	.0062	.0005	.0002	-.0001	-.0017	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm
Avg	-.0002	F-.0020	.0070	.0923	.0014	.0000	.0007	.0855
Stddev	.0002	.0002	.0058	.0336	.0057	.0001	.0002	.0026
%RSD	88.32	10.87	81.92	36.38	393.3	1183.	32.99	3.035
#1	-.0004	-.0021	.0125	.0659	.0014	.0001	.0009	.0845
#2	-.0002	-.0018	.0077	.0809	-.0042	.0000	.0008	.0836
#3	.0000	-.0023	.0010	.1301	.0072	-.0001	.0005	.0885

Check ? Chk Pass Chk Fail .0020
 High Limit Low Limit -0020

Elem Units	Ni2316 ppm	Pb2203 ppm	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm
Avg	.0001	-.0002	.0007	.0009	-.0019	.0002	.0000	.0008
Stddev	.0001	.0001	.0006	.0013	.0004	.0002	.000	.0001
%RSD	122.9	69.30	85.51	147.5	21.83	108.4	53.11	18.26
#1	.0002	-.0002	.0012	.0024	-.0015	.0002	.0000	.0009
#2	.0001	-.0003	.0009	.0003	-.0018	.0000	-.0001	.0008
#3	.0000	.0000	.0000	.0000	-.0023	.0004	.0000	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/25/2016 14:55:58 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	.0000	.0001	-0.0005
Stddev	.0010	.0002	.0000
%RSD	7408.	340.0	3.300

#1	.0004	.0002	-.0005
#2	.0008	-.0002	-.0005
#3	-.0012	.0002	-.0004

Check ? Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2764.9	5241.4	4364.3	4284.7
Stddev	8.7	8.8	126.	7.8
%RSD	.31355	.16804	.28949	.18197

#1	2755.5	5239.9	43498.	4276.9
#2	2766.6	5233.4	43732.	4284.7
#3	2772.6	5250.9	43697.	4292.5

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Sample Name: CRIA Acquired: 3/25/2016 15:00:31 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0090	.2018	.0100	.2008	.0050	1.036	.0055	.0542	.0104
Stddev	.0002	.0068	.0003	.0007	.0000	.007	.0001	.0003	.0001
%RSD	2.062	3.369	2.642	.3393	.5444	.6712	1.024	.5013	.9732

#1	.0089	.1986	.0103	.2010	.0050	1.038	.0055	.0542	.0105
#2	.0092	.2097	.0099	.2001	.0050	1.029	.0056	.0545	.0104
#3	.0088	.1972	.0098	.2014	.0050	1.042	.0055	.0540	.0103

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(In2306)
Avg	.0247	.3155	10.14	5.127	.0165	.0508	10.23	.0442	.0050
Stddev	.0003	.0018	.09	.029	.0001	.0001	.02	.0002	.0006
%RSD	1.341	.5839	.9205	.5550	.3361	.2922	.1789	.4410	11.78

#1	.0243	.3164	10.10	5.111	.0165	.0509	10.24	.0440	.0057
#2	.0249	.3166	10.07	5.160	.0166	.0509	10.21	.0444	.0048
#3	.0249	.3133	10.24	5.110	.0166	.0506	10.24	.0443	.0046

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0048	.0097	.0033	.0541	.0100	.0104	.0107	.0503	.0220
Stddev	.0010	.0013	.0004	.0003	.0001	.0001	.0010	.0002	.0001
%RSD	21.80	13.13	11.84	.5715	.7994	1.063	9.395	.4807	.3302

#1	.0042	.0111	.0029	.0538	.0100	.0104	.0111	.0505	.0220
#2	.0041	.0086	.0037	.0544	.0099	.0103	.0115	.0500	.0221
#3	.0060	.0095	.0032	.0542	.0100	.0105	.0096	.0503	.0220

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2694.9	5205.9	4344.8	4374.6
Stddev	9.0	6.2	176.	22.9
%RSD	.33324	.11912	.40435	.52461

#1	2685.6	5210.5	43554.	4361.1
#2	2703.5	5198.9	43245.	4361.5
#3	2695.6	5208.5	43545.	4401.1

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Sample Name: ICSA Acquired: 3/25/2016 15:04:57 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0005	485.1	.0010	-0.0001	-0.0002	469.6	-0.0001	-0.0001	-0.0002
Stddev	.0001	1.3	.0018	.0002	.0001	2.1	.0001	.0000	.0002
%RSD	28.16	.2728	182.8	154.9	27.36	.4441	125.9	26.75	114.5

#1	-.0004	484.8	.0019	-.0003	-.0002	470.4	.0000	-.0001	-.0003
#2	-.0004	483.9	.0022	-.0001	-.0003	471.1	-.0001	-.0001	.0001
#3	-.0006	486.5	-.0011	-.0003	-.0002	467.2	-.0001	-.0001	-.0003

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0014	184.1	.0889	F 507.2	-0.0005	.0003	.3069	.0007	.0025
Stddev	.0002	.5	.0404	.8	.0001	.0003	.0186	.0001	.0020
%RSD	12.72	.2789	45.49	.1664	14.92	110.6	6.075	14.67	77.92

#1	-.0015	184.0	.0513	506.9	-.0004	.0005	.2953	.0006	.0025
#2	-.0012	184.6	.0836	508.2	-.0006	.0004	.2969	.0008	.0045
#3	-.0014	183.6	.1317	506.6	-.0005	-.0001	.3284	.0007	.0006

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0002	-.0024	.0093	.0012	-0.0001	-0.0001	-0.0007	.0002	-0.0028
Stddev	.0013	.0031	.0010	.0008	.0001	.0000	.0055	.0002	.0002
%RSD	672.3	130.5	10.68	66.38	71.16	30.89	757.0	137.2	5.324

#1	.0006	.0008	.0086	.0018	-.0001	-.0001	-.0061	-.0001	-.0029
#2	-.0013	-.0026	.0105	.0003	.0000	-.0001	.0049	.0002	-.0027
#3	.0013	-.0054	.0089	.0014	-.0001	.0000	-.0009	.0004	-.0029

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2112.3	4644.8	3788.6	4035.8
Stddev	2.0	6.9	136.	3.4
%RSD	.09666	.14852	.35816	.08305

#1	2110.0	4637.0	37794.	4038.0
#2	2112.8	4647.6	37822.	4037.6
#3	2114.0	4649.9	38041.	4032.0

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Sample Name: ICSAB Acquired: 3/25/2016 15:09:36 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F 1.020	498.8	1.088	.5072	.5030	478.7	.9529	.4699	.5046
Stddev	.003	2.2	.002	.0026	.0009	3.5	.0018	.0004	.0008
%RSD	2.457	.4352	.2054	.5084	.1690	.7286	.1886	.0836	.1489

#1	1.023	498.0	1.090	.5044	.5039	474.7	.9518	.4697	.5053
#2	1.018	501.3	1.089	.5078	.5022	480.9	.9550	.4703	.5038
#3	1.018	497.2	1.086	.5094	.5028	480.6	.9519	.4697	.5048

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5361	188.8	.0953	F 517.8	.5029	.9418	.3064	.9479	.9601
Stddev	.0016	.2	.0332	1.0	.0014	.0014	.0035	.0006	.0033
%RSD	.3067	.0940	34.85	.2011	.2781	.1437	1.152	.0615	.3472

#1	.5380	189.0	.1223	518.9	.5038	.9417	.3094	.9477	.9572
#2	.5351	188.7	.1055	517.8	.5036	.9432	.3073	.9486	.9594
#3	.5352	188.6	.0582	516.8	.5013	.9405	.3025	.9475	.9637

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.020	1.002	.0433	.9261	1.021	.9743	.9491	.4700	.9461
Stddev	.001	.003	.0014	.0022	.005	.0024	.0040	.0012	.0017
%RSD	.1298	.3308	3.185	.2325	.4748	.2459	.4189	.2642	.1782

#1	1.019	.9997	.0441	.9248	1.016	.9765	.9481	.4699	.9444
#2	1.021	1.006	.0417	.9286	1.023	.9745	.9458	.4713	.9478
#3	1.021	1.001	.0440	.9250	1.025	.9717	.9535	.4688	.9460

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg				

Sample Name: CCV Acquired: 3/25/2016 15:14:06 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2529	39.38	2.013	1.980	1.992	39.90	2.043	2.027	2.019
Stddev	.0004	.13	.006	.007	.007	.15	.003	.002	.006
%RSD	.1487	.3232	.2865	.3345	.3375	.3690	.1475	.1017	.2856
#1	.2530	39.43	2.011	1.975	2.000	40.05	2.043	2.026	2.014
#2	.2525	39.48	2.020	1.987	1.989	39.76	2.041	2.025	2.025
#3	.2532	39.24	2.009	1.976	1.987	39.87	2.047	2.029	2.017

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.974	38.96	39.67	39.40	2.024	2.033	39.65	2.042	2.017
Stddev	.004	.13	.08	.18	.003	.002	.07	.003	.003
%RSD	.2244	.3415	.1901	.4520	.1611	.0780	.1859	.1329	.1350
#1	1.976	39.11	39.66	39.60	2.021	2.031	39.66	2.042	2.013
#2	1.969	38.88	39.75	39.27	2.027	2.034	39.72	2.040	2.018
#3	1.976	38.87	39.60	39.32	2.022	2.034	39.57	2.045	2.018

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.014	2.016	2.303	2.047	1.997	2.052	2.033	2.045	2.023
Stddev	.003	.008	.003	.006	.007	.001	.006	.008	.005
%RSD	.1337	.4133	.1197	.2850	.3602	.0317	.2794	.4079	.2504
#1	2.014	2.006	2.300	2.040	1.996	2.052	2.039	2.035	2.026
#2	2.017	2.020	2.304	2.047	2.005	2.053	2.032	2.050	2.018
#3	2.011	2.021	2.305	2.052	1.991	2.052	2.028	2.048	2.027

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/25/2016 15:14:06 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2381.0	5018.4	42138.	4268.2
Stddev	5.6	7.7	104.	21.3
%RSD	.23484	.15263	.24711	.49956
#1	2387.0	5027.0	42217.	4244.6
#2	2380.1	5015.7	42177.	4274.0
#3	2375.9	5012.4	42020.	4286.1

Sample Name: CCB Acquired: 3/25/2016 15:18:18 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0082	-0.0006	.0001	-0.0001	.0080	.0000	.0001	-0.0002
Stddev	.000	.0048	.0006	.0001	.0000	.0017	.0000	.0001	.0001
%RSD	1171.	58.53	99.04	93.73	44.65	21.48	79.82	128.9	55.93
#1	-.0004	.0136	-0.0003	.0000	-0.0001	.0076	.0001	.0000	-0.0001
#2	.0002	.0045	-0.0012	.0003	-0.0001	.0065	.0000	.0002	-0.0001
#3	.0001	.0065	-0.0002	.0001	.0000	.0099	.0000	.0001	-0.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0018	.0129	.0462	.0009	.0000	.0008	.0693	.0000	-0.0005
Stddev	.0002	.0043	.0288	.0093	.0000	.0002	.0018	.0001	.0006
%RSD	8.368	33.05	62.39	1044.	60.86	30.47	2.625	555.1	109.2
#1	-0.0019	.0173	.0136	.0095	.0000	.0010	.0688	.0000	-0.0010
#2	-0.0016	.0127	.0568	.0022	.0001	.0007	.0677	-0.0001	-0.0006
#3	-0.0019	.0088	.0682	-0.0090	.0000	.0006	.0713	.0000	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	.0003	-0.0018	.0003	-0.0001	.0007	.0010	-0.0001	-0.0004
Stddev	.0009	.0013	.0003	.0001	.0000	.0003	.0008	.0003	.0000
%RSD	81.17	441.8	15.02	27.68	49.26	39.65	80.29	421.6	9.742
#1	.0022	-0.0009	-0.0015	.0004	.0000	.0008	.0019	-0.0004	-0.0004
#2	.0009	.0017	-0.0020	.0002	-0.0001	.0008	.0009	.0001	-0.0004
#3	.0004	.0001	-0.0018	.0002	-0.0001	.0004	.0003	.0001	-0.0004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/25/2016 15:18:18 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2756.3	5249.5	43790.	4320.2
Stddev	.6	11.8	62.	46.8
%RSD	.02311	.22569	.14123	1.0834
#1	2755.8	5249.1	43805.	4303.8
#2	2757.0	5237.8	43842.	4283.8
#3	2756.2	5261.5	43721.	4373.0

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000009	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000083	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000005	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000091	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000000	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000019	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000112	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000009	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000041	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000044	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000026	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	0.000027	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000035	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	-0.000011	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000013	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Sample Name: Blank Acquired: 5/6/2016 10:39:29 Type: Cal
Method: 60102007_042011(v97) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.002	.0007	-0.0006	.0056	.0019	.0064	-0.0010	-0.0005	-0.0002
Stddev	.0000	.0025	.0000	.0011	.0011	.0006	.0003	.0003	.0001
%RSD	23.51	387.0	2.902	19.93	59.22	9.379	29.81	58.33	37.04
#1	-.0003	-.0022	-.0006	.0052	.0022	.0071	-.0007	-.0003	-.0001
#2	-.0002	.0028	-.0006	.0068	.0029	.0060	-.0013	-.0008	-.0002
#3	-.0002	.0013	-.0005	.0047	.0007	.0061	-.0011	-.0003	-.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0064	.0019	-0.0092	.0001	.0007	.0015	-0.0145	-0.0004	.0003
Stddev	.0002	.0005	.0022	.0000	.0001	.0002	.0033	.0002	.0003
%RSD	2.366	24.65	24.18	47.50	19.56	10.93	22.89	56.53	124.7
#1	.0066	.0024	-.0070	.0001	.0009	.0016	-.0163	-.0003	.0000
#2	.0064	.0016	-.0093	.0001	.0006	.0015	-.0107	-.0002	.0006
#3	.0063	.0016	-.0114	.0000	.0007	.0013	-.0166	-.0006	.0001
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0006	-0.0001	.0042	.0005	.0034	.0020	-0.0013	-0.0007	.0008
Stddev	.0002	.0001	.0001	.0001	.0013	.0000	.0004	.0002	.0001
%RSD	33.11	61.10	1.374	14.93	39.13	1.674	27.52	23.41	12.46
#1	.0006	-.0001	.0041	.0004	.0020	.0021	-.0012	-.0007	.0009
#2	.0008	.0000	.0043	.0005	.0036	.0020	-.0011	-.0008	.0008
#3	.0004	-.0001	.0042	.0006	.0046	.0020	-.0018	-.0005	.0007
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2819.9	5309.0	4241.5	3888.3					
Stddev	6.0	23.6	69.	23.4					
%RSD	.21325	.44450	.16222	.60189					
#1	2816.0	5292.7	42352.	3915.3					
#2	2816.7	5298.2	42488.	3874.0					
#3	2826.8	5336.0	42403.	3875.6					

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Sample Name: LowStd Acquired: 5/6/2016 10:43:36 Type: Cal
Method: 60102007_042011(v97) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0325	2.068	.0841	3.992	5.344	2.171	2.246	1.225	.2538
Stddev	.0002	.003	.0004	.005	.010	.004	.007	.003	.0007
%RSD	.7100	.1219	.4747	.1283	.1836	.1681	.3088	.2088	.2587
#1	.0325	2.068	.0841	3.998	5.349	2.168	2.247	1.226	.2546
#2	.0327	2.065	.0844	3.989	5.332	2.171	2.252	1.226	.2534
#3	.0323	2.070	.0836	3.990	5.350	2.175	2.238	1.222	.2534
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4164	1.651	.8839	.2294	1.425	.5496	3.938	.7472	.3733
Stddev	.0011	.004	.0066	.0017	.002	.0009	.009	.0014	.0002
%RSD	.2610	.2443	.7412	.7366	.1508	.1572	.2290	.1814	.0442
#1	.4152	1.656	.8914	.2282	1.427	.5499	3.929	.7478	.3733
#2	.4173	1.650	.8798	.2286	1.423	.5503	3.938	.7480	.3735
#3	.4165	1.648	.8804	.2313	1.426	.5486	3.947	.7456	.3732
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1184	.0607	.1900	.1950	7.784	1.006	.1356	.3455	1.150
Stddev	.0003	.0002	.0002	.0002	.007	.000	.0006	.0011	.004
%RSD	.2410	.3591	.0893	.1192	.0954	.0402	.4466	.3301	.3133
#1	.1185	.0606	.1902	.1952	7.782	1.006	.1349	.3468	1.152
#2	.1185	.0610	.1900	.1948	7.777	1.006	.1360	.3446	1.153
#3	.1181	.0605	.1899	.1949	7.792	1.007	.1358	.3452	1.146
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2662.1	5231.8	41737.	3807.1					
Stddev	.6	8.6	55.	5.9					
%RSD	.02373	.16370	.13058	.15415					
#1	2661.8	5233.2	41723.	3813.0					
#2	2662.8	5222.6	41798.	3801.3					
#3	2661.7	5239.5	41691.	3807.2					

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7.2
7

Sample Name: MidStd Acquired: 5/6/2016 10:46:57 Type: Cal
Method: 60102007_042011(v97) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.302	8.815	3.553	16.42	22.04	9.094	9.163	4.940	1.025
Stddev	.0006	.002	.0008	.03	.03	.009	.015	.007	.001
%RSD	.4631	.0173	.2383	.1964	.1296	.0961	.1648	.1491	.1237
#1	.1299	8.817	3.548	16.45	22.03	9.091	9.150	4.936	1.024
#2	.1309	8.814	3.563	16.43	22.07	9.104	9.160	4.935	1.026
#3	.1299	8.814	3.550	16.39	22.01	9.088	9.179	4.948	1.026
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.684	6.055	3.847	.9776	5.836	2.166	17.03	3.002	1.563
Stddev	.004	.010	.006	.0062	.025	.004	.02	.004	.005
%RSD	.2225	.1642	.1616	.6350	.4192	.1870	.1376	.1172	.3405
#1	1.684	6.049	3.842	.9722	5.808	2.162	17.05	2.998	1.566
#2	1.688	6.066	3.854	.9844	5.850	2.165	17.03	3.004	1.566
#3	1.681	6.049	3.845	.9762	5.850	2.170	17.01	3.003	1.557
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4877	.2524	.7033	.7527	31.22	4.010	.5672	1.374	4.697
Stddev	.0007	.0007	.0005	.0015	.06	.016	.0007	.003	.011
%RSD	.1397	.2687	.0676	.1928	.1813	.4033	.1236	.1848	.2341
#1	.4875	.2531	.7028	.7521	31.29	3.992	.5671	1.371	4.685
#2	.4872	.2517	.7033	.7516	31.20	4.024	.5680	1.375	4.703
#3	.4885	.2524	.7037	.7543	31.18	4.013	.5666	1.375	4.704
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2436.9	5039.6	40184.	3719.2					
Stddev	2.7	7.5	91.	9.5					
%RSD	.10993	.14945	.22617	.25504					
#1	2434.0	5045.7	40289.	3721.4					
#2	2437.2	5041.8	40137.	3708.9					
#3	2439.3	5031.1	40127.	3727.5					

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Sample Name: HighStd Acquired: 5/6/2016 10:50:17 Type: Cal
Method: 60102007_042011(v97) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2593	17.75	.7204	33.47	43.79	18.15	17.96	9.809	2.017
Stddev	.0001	.14	.0031	.26	.19	.19	.07	.026	.005
%RSD	.0422	.7712	.4278	.7757	.4251	1.069	.3872	.2669	.2454
#1	.2594	17.63	.7240	33.26	43.65	17.95	18.03	9.832	2.020
#2	.2594	17.72	.7183	33.38	43.71	18.15	17.89	9.780	2.020
#3	.2592	17.90	.7191	33.76	44.00	18.34	17.98	9.815	2.011
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.373	12.41	7.844	1.955	11.10	4.327	34.58	5.916	3.194
Stddev	.006	.09	.076	.020	.09	.011	.14	.024	.006
%RSD	.1791	.6873	.9699	1.011	.7858	.2521	.4008	.4018	.1762
#1	3.379	12.32	7.783	1.936	11.20	4.335	34.49	5.943	3.197
#2	3.371	12.41	7.820	1.954	11.07	4.314	34.51	5.897	3.187
#3	3.368	12.50	7.929	1.975	11.04	4.331	34.74	5.909	3.197
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S					

Sample Name: HSTD Acquired: 5/6/2016 10:54:27 Type: QC
 Method: 60102007_042011(v97) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5021	80.66	4.064	4.071	3.991	81.05	4.001	4.017	3.978
Stddev	.0030	.38	.003	.012	.016	.36	.004	.002	.027
%RSD	.5896	.4738	.0753	.2999	.3883	.4440	.1064	.0361	.6741
#1	.5055	81.09	4.061	4.084	4.009	81.44	3.996	4.017	3.975
#2	.5002	80.52	4.063	4.069	3.982	80.95	4.002	4.016	4.006
#3	.5007	80.37	4.067	4.060	3.983	80.74	4.004	4.019	3.952

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.991	80.42	81.53	80.85	3.917	4.009	80.75	4.007	4.073
Stddev	.008	.39	.26	.48	.030	.005	.23	.011	.011
%RSD	.2008	.4904	.3136	.5884	.7725	.1148	.2887	.2715	.2574
#1	3.993	80.87	81.82	81.39	3.902	4.006	81.01	3.994	4.061
#2	3.998	80.12	81.44	80.63	3.952	4.006	80.67	4.013	4.076
#3	3.982	80.28	81.33	80.52	3.898	4.014	80.56	4.013	4.081

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.053	4.077	4.553	3.988	3.985	3.949	4.038	3.995	3.993
Stddev	.003	.009	.004	.001	.012	.025	.012	.020	.014
%RSD	.0766	.2173	.0796	.0281	.2918	.6252	.2947	.5025	.3438
#1	4.053	4.067	4.549	3.999	3.998	3.938	4.025	3.997	3.977
#2	4.049	4.082	4.552	3.996	3.980	3.977	4.041	4.013	4.003
#3	4.055	4.082	4.557	3.998	3.976	3.931	4.049	3.973	3.998

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 5/6/2016 10:54:27 Type: QC
 Method: 60102007_042011(v97) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2236.3	4824.8	39167.	3669.0
Stddev	3.3	8.3	254.	16.7
%RSD	.14633	.17213	.64870	.45449
#1	2234.8	4817.8	39218.	3649.9
#2	2240.0	4834.0	38892.	3676.5
#3	2234.0	4822.6	39392.	3680.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.991	80.42	81.53	80.85	3.917	4.009	80.75	4.007	4.073
Stddev	.008	.39	.26	.48	.030	.005	.23	.011	.011
%RSD	.2008	.4904	.3136	.5884	.7725	.1148	.2887	.2715	.2574
#1	3.993	80.87	81.82	81.39	3.902	4.006	81.01	3.994	4.061
#2	3.998	80.12	81.44	80.63	3.952	4.006	80.67	4.013	4.076
#3	3.982	80.28	81.33	80.52	3.898	4.014	80.56	4.013	4.081

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.053	4.077	4.553	3.988	3.985	3.949	4.038	3.995	3.993
Stddev	.003	.009	.004	.001	.012	.025	.012	.020	.014
%RSD	.0766	.2173	.0796	.0281	.2918	.6252	.2947	.5025	.3438
#1	4.053	4.067	4.549	3.999	3.998	3.938	4.025	3.997	3.977
#2	4.049	4.082	4.552	3.996	3.980	3.977	4.041	4.013	4.003
#3	4.055	4.082	4.557	3.998	3.976	3.931	4.049	3.973	3.998

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 5/6/2016 11:00:23 Type: QC
 Method: 60102007_042011(v97) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2454	41.14	2.016	2.104	2.054	42.35	2.057	2.067	2.042
Stddev	.0024	.24	.014	.007	.011	.25	.012	.015	.015
%RSD	.9746	.5881	.6897	.3501	.5383	.5869	.5928	.7233	.7154
#1	.2478	41.05	2.007	2.100	2.047	42.34	2.052	2.057	2.059
#2	.2454	40.95	2.010	2.100	2.049	42.10	2.047	2.059	2.036
#3	.2430	41.41	2.032	2.113	2.067	42.60	2.070	2.084	2.032

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.967	41.80	42.12	42.22	2.061	1.939	42.06	2.078	2.048
Stddev	.013	.25	.12	.33	.013	.014	.23	.014	.019
%RSD	.6553	.5979	.2744	.7880	.6043	.7206	.5394	.6507	.9158
#1	2.001	41.72	42.06	42.06	2.095	1.932	41.91	2.070	2.029
#2	1.984	41.60	42.06	41.99	2.074	1.929	41.95	2.070	2.048
#3	1.975	42.08	42.26	42.60	2.073	1.955	42.33	2.094	2.066

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.042	2.065	.0997	2.094	1.953	1.972	2.112	1.928	2.082
Stddev	.020	.016	.0012	.019	.012	.011	.025	.013	.007
%RSD	.9720	.7494	1.203	.9244	.6273	.5762	1.176	.6544	.3548
#1	2.025	2.051	.0984	2.077	1.943	1.985	2.087	1.943	2.079
#2	2.036	2.063	.0998	2.091	1.951	1.968	2.114	1.924	2.076
#3	2.064	2.082	.1008	2.115	1.967	1.963	2.136	1.919	2.090

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 5/6/2016 11:00:23 Type: QC
 Method: 60102007_042011(v97) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2426.4	5031.8	40218.	3767.0
Stddev	18.8	35.6	295.	30.8
%RSD	.77403	.70673	.73285	.81818
#1	2419.6	5021.9	39877.	3787.8
#2	2447.6	5071.3	40389.	3781.6
#3	2412.0	5002.3	40387.	3731.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.967	41.80	42.12	42.22	2.061	1.939	42.06	2.078	2.048
Stddev	.013	.25	.12	.33	.013	.014	.23	.014	.019
%RSD	.6553	.5979	.2744	.7880	.6043	.7206	.5394	.6507	.9158
#1	2.001	41.72	42.06	42.06	2.095	1.932	41.91	2.070	2.029
#2	1.984	41.60	42.06	41.99	2.074	1.929	41.95	2.070	2.048
#3	1.975	42.08	42.26	42.60	2.073	1.955	42.33	2.094	2.066

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.042	2.065	.0997	2.094	1.953	1.972	2.112	1.928	2.082
Stddev	.020	.016	.0012	.019	.012	.011	.025	.013	.007
%RSD	.9720	.7494	1.203	.9244	.6273	.5762	1.176	.6544	.3548
#1	2.025	2.051	.0984	2.077	1.943	1.985	2.087	1.943	2.079
#2	2.036	2.063	.0998	2.091	1.951	1.968	2.114	1.924	2.076
#3	2.064	2.082	.1008	2.115	1.967	1.963	2.136	1.919	2.090

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICB Acquired: 5/6/2016 11:07:16 Type: QC
 Method: 60102007_042011(v97) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0073	-0.0005	.0001	.0002	-0.0009	.0000	.0000	.0002
Stddev	.0003	.0065	.0004	.0002	.0001	.0022	.0001	.0001	.0000
%RSD	123.8	89.41	90.43	271.3	56.55	233.6	202.8	377.2	14.16

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	.0032	-0.0332	.0031	.0001	.0003	.0075	.0000	.0000
Stddev	.0002	.0007	.0248	.0116	.0001	.0001	.0084	.000	.001
%RSD	152.2	23.01	74.71	370.9	55.04	51.79	111.6	475.6	2474.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.0014	.0005	.0001	.0000	.0001	.0008	.0002	-0.0001
Stddev	.0005	.0016	.0002	.0003	.000	.0000	.0005	.0002	.0001
%RSD	2770.	115.4	47.29	242.5	616.0	24.52	71.88	100.2	111.2

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 5/6/2016 11:07:16 Type: QC
 Method: 60102007_042011(v97) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2868.2	5344.3	42689.	3795.9
Stddev	3.4	4.5	135.	6.3
%RSD	.11718	.08355	.31702	.16698

#1 2871.3 5339.9 42813. 3803.3
 #2 2864.6 5344.1 42709. 3792.4
 #3 2868.6 5348.8 42545. 3792.2

Sample Name: CRIA Acquired: 5/6/2016 11:11:04 Type: QC
 Method: 60102007_042011(v97) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0095	.2295	.0097	.2088	.0052	1.079	.0055	.0548	.0108
Stddev	.0000	.0071	.0006	.0009	.0000	.010	.0001	.0002	.0002
%RSD	.4278	3.074	5.726	4.153	.9605	.9528	1.412	.3490	1.473

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0276	.3237	10.25	5.275	.0166	.0508	10.37	.0440	.0054
Stddev	.0002	.0041	.07	.042	.0002	.0001	.00	.0005	.0005
%RSD	.6684	1.266	6752	.8035	.9718	.1999	.0475	1.065	8.644

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0052	.0095	.0511	.0552	.0103	.0105	.0102	.0500	.0236
Stddev	.0004	.0028	.0004	.0004	.0001	.0001	.0005	.0001	.0002
%RSD	6.908	29.52	.8787	.7493	.5050	.5643	5.391	.2327	.7510

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 5/6/2016 11:11:04 Type: QC
 Method: 60102007_042011(v97) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2734.1	5251.4	42127.	3806.3
Stddev	3.4	11.7	176.	19.3
%RSD	.12406	.22297	.41769	.50703

#1 2733.5 5241.5 42038. 3824.9
 #2 2731.1 5264.3 42330. 3786.4
 #3 2737.8 5248.3 42014. 3807.7

Sample Name: ICSEA Acquired: 5/6/2016 11:19:26 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	510.1	.0000	.0007	-0.0011	494.1	-0.0007	-0.0003	.0000
Stddev	.0004	4.2	.001	.0003	.0001	2.1	.0001	.0002	.0002
%RSD	90.22	.8246	3363.	48.86	41.60	4.260	8.680	63.60	11220.
#1	.0007	505.3	-0.010	.0008	-0.002	496.5	-0.007	-0.001	.0002
#2	.0000	512.8	.0002	.0010	-0.001	493.2	-0.007	-0.003	-0.001
#3	.0008	512.2	.0007	.0003	-0.001	492.6	-0.006	-0.005	-0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0010	188.2	.0391	526.0	.0001	-0.0004	.1945	.0000	.0001
Stddev	.0002	.6	.0564	2.2	.0000	.0001	.0162	.000	.0015
%RSD	16.37	.3167	144.3	4.188	29.92	25.79	8.330	7312.	2249.
#1	-0.0009	188.5	.0724	527.4	.0001	-0.0003	.1760	.0003	.0000
#2	-0.0009	188.5	.0709	527.1	.0002	-0.0004	.2060	-0.002	-0.014
#3	-0.0012	187.5	-.0260	523.4	.0001	-0.0005	.2017	-0.001	.0016

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0006	.0000	.0268	F .0019	.0000	.0002	.0000	-0.0004	-0.0014
Stddev	.0009	.0018	.0016	.0005	.0000	.0001	.002	.0001	.0001
%RSD	146.3	9061.	6.100	26.07	90.90	74.28	6333.	29.67	10.20
#1	-0.0013	.0021	.0262	.0017	.0000	.0003	.0002	-0.002	-0.014
#2	-0.0009	-0.014	.0287	.0015	.0001	.0002	.0016	-0.004	-0.015
#3	.0004	-0.0006	.0256	.0024	.0000	.0001	-0.0018	-0.004	-0.012

Sample Name: ICSEA Acquired: 5/6/2016 11:19:26 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2161.9	4642.0	3683.8	3507.7
Stddev	6.3	2.1	31.	4.6
%RSD	.29004	.04617	.08470	.13253
#1	2158.5	4643.5	3680.6	3503.0
#2	2169.2	4643.1	3686.9	3507.7
#3	2158.2	4639.6	3683.9	3512.3

7.2
7

Sample Name: ICSAB Acquired: 5/6/2016 11:26:02 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.056	515.2	1.092	.5300	.5154	491.1	.9673	.4806	.5141
Stddev	.001	2.3	.002	.0025	.0007	4.0	.0025	.0013	.0008
%RSD	.1231	.4520	.1336	.4766	.1390	.8057	.2577	.2692	.1536
#1	1.058	512.7	1.091	.5304	.5155	493.3	.9700	.4817	.5136
#2	1.056	515.5	1.091	.5323	.5161	493.6	.9650	.4809	.5137
#3	1.055	517.3	1.093	.5273	.5146	486.6	.9668	.4791	.5150

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5534	189.0	-0.0108	524.6	.5117	.9577	.1902	.9654	.9754
Stddev	.0004	.6	.0089	1.9	.0013	.0002	.0033	.0011	.0055
%RSD	.0801	.3221	82.23	.3713	.2522	.0256	1.715	.1096	.5644
#1	.5539	189.3	-.0210	525.9	.5102	.9577	.1864	.9667	.9805
#2	.5531	189.4	-.0056	525.5	.5122	.9574	.1923	.9650	.9696
#3	.5532	188.3	-.0057	522.4	.5126	.9578	.1918	.9647	.9761

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.032	1.037	.1249	.9475	1.037	1.016	.9612	.4759	.9690
Stddev	.003	.004	.0015	.0029	.001	.001	.0070	.0001	.0033
%RSD	.2910	.4065	1.197	.3083	.0982	.0943	.7329	.0117	.3457
#1	1.029	1.036	.1256	.9507	1.037	1.015	.9693	.4759	.9726
#2	1.034	1.034	.1232	.9450	1.038	1.017	.9577	.4758	.9661
#3	1.034	1.042	.1259	.9469	1.036	1.015	.9567	.4759	.9682

Sample Name: ICSAB Acquired: 5/6/2016 11:26:02 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2139.5	4642.2	3662.7	3459.9
Stddev	2.8	5.4	70.	14.5
%RSD	.12921	.11628	.19219	.41897
#1	2136.3	4638.8	3664.6	3449.2
#2	2141.5	4639.2	3668.5	3454.0
#3	2140.6	4648.4	3654.8	3476.4

Sample Name: CCV Acquired: 5/6/2016 11:32:48 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2557	40.38	2.020	2.020	2.024	40.93	2.047	2.039	2.020
Stddev	.0013	.18	.005	.005	.007	.09	.002	.001	.006
%RSD	.5061	.4506	.2392	.2739	.3679	.2159	.0986	.0675	.2763

#1	.2562	40.46	2.016	2.019	2.031	40.94	2.045	2.037	2.024
#2	.2566	40.17	2.025	2.015	2.017	40.84	2.049	2.040	2.023
#3	.2542	40.50	2.019	2.026	2.026	41.02	2.047	2.039	2.014

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.038	39.53	40.48	40.42	2.047	2.023	40.36	2.039	2.012
Stddev	.005	.19	.20	.05	.009	.003	.16	.003	.002
%RSD	.2262	.4715	.5063	.1320	.4438	.1211	.3848	.1593	.1063

#1	2.039	39.67	40.56	40.37	2.049	2.021	40.48	2.035	2.014
#2	2.041	39.32	40.25	40.48	2.056	2.025	40.18	2.041	2.012
#3	2.032	39.62	40.64	40.42	2.038	2.024	40.40	2.040	2.010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.030	2.041	1.583	2.050	2.024	2.033	2.033	2.017	2.033
Stddev	.004	.002	.004	.002	.010	.007	.006	.009	.003
%RSD	.2227	.1125	.2599	.0908	.4980	.3263	.3049	.4624	.1297

#1	2.029	2.038	1.583	2.050	2.032	2.034	2.040	2.024	2.030
#2	2.035	2.041	1.587	2.052	2.012	2.038	2.030	2.021	2.035
#3	2.026	2.043	1.579	2.048	2.027	2.025	2.028	2.007	2.034

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 5/6/2016 11:32:48 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2429.8	5028.8	40644.	3689.3
Stddev	5.2	2.5	198.	5.8
%RSD	.21599	.05020	.48760	.15781

#1	2424.4	5031.7	40598.	3684.8
#2	2434.8	5027.2	40472.	3695.9
#3	2430.3	5027.5	40860.	3687.2

Sample Name: CCB Acquired: 5/6/2016 11:42:06 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0084	-0.010	.0000	.0000	.0064	.0001	.0000	.0001
Stddev	.0001	.0090	.0009	.000	.0000	.0032	.0000	.0000	.0002
%RSD	20.40	107.8	87.12	55.16	221.5	49.29	24.77	97.71	154.2

#1	.0003	.0178	-0.011	.0002	.0000	.0088	.0001	.0001	.0003
#2	.0002	.0075	-0.001	.0002	.0001	.0028	.0001	.0000	.0000
#3	.0003	-0.002	-0.019	-0.005	.0000	.0077	.0001	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	-0.009	-0.086	-0.317	.0001	-0.006	.0266	.0001	.0000
Stddev	.0000	.0031	.0318	.0144	.0000	.0001	.0009	.0002	.0006
%RSD	8.390	328.6	368.3	45.43	39.64	13.86	3.260	233.8	3467.

#1	-0.002	-0.045	.0250	-0.332	.0002	-0.007	.0256	.0001	-0.003
#2	-0.002	.0008	-0.382	-0.454	.0001	-0.006	.0269	-0.001	.0008
#3	-0.003	.0009	-0.127	-0.167	.0001	-0.006	.0273	.0002	-0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	.0001	.0010	-0.001	.0001	-0.003	.0003	.0000	.0003
Stddev	.0004	.0012	.0003	.0002	.0000	.0001	.0011	.000	.0001
%RSD	31.03	1060.	26.73	231.9	44.84	26.02	432.3	930.9	27.57

#1	.0015	-0.007	.0007	.0001	.0001	-0.002	.0015	-0.002	.0004
#2	.0013	-0.004	.0010	-0.001	.0000	-0.003	.0001	-0.001	.0003
#3	.0008	.0014	.0012	-0.003	.0000	-0.004	-0.006	.0002	.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 5/6/2016 11:42:06 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2896.3	5408.0	43430.	3838.7
Stddev	5.9	8.2	127.	40.3
%RSD	.20535	.15227	.29295	1.0505

#1	2889.5	5411.3	43569.	3867.9
#2	2898.6	5398.6	43402.	3792.7
#3	2900.7	5414.0	43320.	3855.4

Sample Name: MP30327-MB1 Acquired: 5/6/2016 11:46:33 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0084	-0.018	-0.004	.0000	.0092	-0.001	-0.001	.0001
Stddev	.0001	.0042	.0008	.0004	.000	.0037	.0000	.0001	.0002
%RSD	46.43	50.03	42.34	124.5	1048.	40.34	22.69	78.43	250.8
#1	.0001	.0058	-0.010	.0001	.0000	.0060	-0.001	-0.002	.0002
#2	.0001	.0132	-0.026	-0.004	.0000	.0133	-0.001	-0.002	-0.001
#3	.0002	.0061	-0.019	-0.007	.0000	.0084	-0.001	.0000	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0017	.0040	-0.0071	-0.001	-0.001	.0239	-0.002	-0.004
Stddev	.0001	.0071	.0497	.0370	.0000	.0001	.0094	.0003	.0004
%RSD	29.54	417.3	1256.	520.3	69.25	89.83	39.46	145.1	118.5
#1	.0004	.0097	-.0512	-.0498	.0000	.0000	.0343	.0001	.0001
#2	.0002	-.0006	.0452	.0134	-0.001	-0.001	.0216	-0.006	-0.007
#3	.0002	-.0040	.0179	.0151	-0.001	-0.002	.0158	-0.002	-0.005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	-0.0006	.0082	.0005	-0.001	.0000	-0.009	-0.001	.0000
Stddev	.0006	.0007	.0003	.0002	.0001	.000	.0007	.0001	.0000
%RSD	35.33	107.0	3.790	45.35	70.73	280.8	73.07	199.8	218.3
#1	.0015	.0001	.0078	.0005	.0000	-0.001	-0.006	-0.001	.0001
#2	.0013	-0.0012	.0084	.0003	-0.001	.0000	-0.005	-0.002	.0000
#3	.0024	-0.0008	.0084	.0007	-0.002	.0000	-0.017	.0001	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30327-MB1 Acquired: 5/6/2016 11:46:33 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2797.4	5235.2	43020.	3763.2
Stddev	6.9	4.8	243.	17.6
%RSD	.24492	.09096	.56521	.46826
#1	2798.9	5240.6	42743.	3743.3
#2	2803.3	5233.7	43122.	3769.6
#3	2789.9	5231.5	43195.	3776.8

7.2
7

Sample Name: MP30327-B1 Acquired: 5/6/2016 11:51:04 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0493	27.90	2.044	2.139	.0536	26.77	.0529	.5286	2120
Stddev	.0005	.07	.005	.012	.0001	.09	.0000	.0009	.0019
%RSD	1.112	.2394	.2325	.5387	.2605	.3435	.0737	.1782	.8866
#1	.0499	27.94	2.042	2.139	.0536	26.84	.0529	.5286	2141
#2	.0488	27.82	2.042	2.127	.0535	26.66	.0529	.5276	2105
#3	.0493	27.94	2.050	2.150	.0538	26.79	.0528	.5295	2114

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2700	27.52	26.00	25.76	.5364	.5108	25.88	.5342	.5091
Stddev	.0014	.07	.06	.10	.0021	.0008	.06	.0003	.0008
%RSD	.5073	.2530	.2317	.3766	.3957	.1554	.2256	.0643	.1538
#1	.2715	27.57	25.98	25.85	.5388	.5104	25.89	.5339	.5082
#2	.2692	27.44	25.95	25.66	.5349	.5103	25.82	.5342	.5097
#3	.2692	27.55	26.06	25.77	.5355	.5117	25.94	.5346	.5094

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5242	2.084	.0230	.5331	.5054	.5152	2.057	.4987	.5235
Stddev	.0008	.004	.0011	.0010	.0007	.0025	.002	.0023	.0018
%RSD	.1449	.1953	4.948	.1946	.1347	.4835	.1153	.4708	.3443
#1	.5234	2.083	.0243	.5341	.5050	.5180	2.056	.5010	.5227
#2	.5249	2.081	.0222	.5320	.5049	.5142	2.056	.4988	.5223
#3	.5244	2.089	.0225	.5332	.5062	.5134	2.060	.4963	.5256

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30327-B1 Acquired: 5/6/2016 11:51:04 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2510.8	5039.4	40667.	3661.9
Stddev	4.5	10.3	221.	20.0
%RSD	.18085	.20397	.54313	.54486
#1	2511.7	5038.1	40419.	3649.9
#2	2514.8	5050.2	40739.	3684.9
#3	2505.8	5029.7	40842.	3651.0

Sample Name: FA33633-1 Acquired: 5/6/2016 11:55:16 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	4.986	-0.010	0.289	-0.001	14.95	-0.001	0.004	0.049
Stddev	.0004	.020	.0002	.0006	.0000	.12	.0000	.0000	.0001
%RSD	820.1	4.037	15.03	2.074	43.77	.7692	28.80	9.999	2.731
#1	-.0003	4.963	-.0010	.0290	-.0001	14.83	-.0001	.0004	.0048
#2	.0000	4.996	-.0012	.0294	-.0001	14.98	-.0001	.0005	.0049
#3	.0004	4.998	-.0009	.0282	.0000	15.05	-.0001	.0004	.0050
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.0023	2.262	12.49	3.319	0.056	0.005	7.395	0.017	0.012
Stddev	.0001	.015	.09	.050	.0000	.0001	.042	.0000	.0005
%RSD	6.570	.6673	.7022	1.490	.8063	32.73	.5615	2.088	39.75
#1	.0022	2.246	12.40	3.276	.0056	.0006	7.359	.0017	.0010
#2	.0024	2.276	12.58	3.309	.0055	.0003	7.387	.0016	.0008
#3	.0022	2.263	12.49	3.373	.0056	.0004	7.440	.0017	.0017
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0010	0.023	4.522	0.002	0.035	1.960	-0.016	0.103	0.341
Stddev	.0006	.0014	.017	.0002	.0002	.0011	.0012	.0001	.0001
%RSD	65.30	60.51	.3769	111.1	.7063	.5830	75.65	1.205	.2243
#1	.0008	.0035	4.538	.0001	.0333	.1971	-.0004	.0102	.0340
#2	.0017	.0028	4.523	.0005	.0334	.1949	-.0015	.0103	.0342
#3	.0004	.0008	4.504	.0000	.0338	.1960	-.0027	.0105	.0341
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2664.7	5186.6	4187.4	3711.5					
Stddev	4.4	2.6	58.	40.2					
%RSD	.16418	.05044	.13768	1.0823					
#1	2664.9	5186.5	4182.1	3757.8					
#2	2660.1	5184.0	4193.5	3687.3					
#3	2668.9	5189.2	4186.6	3689.2					

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Sample Name: MP30327-D1 Acquired: 5/6/2016 11:59:42 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	5.059	-0.002	0.289	-0.001	15.09	-0.001	0.005	0.049
Stddev	.0001	.044	.0006	.0003	.0000	.03	.0000	.0001	.0001
%RSD	102.5	.8796	269.5	1.186	20.69	.2047	29.30	19.68	2.047
#1	-0.0003	5.094	-0.0008	.0293	-0.0001	15.13	-0.0001	.0004	.0048
#2	.0000	5.074	.0003	.0287	-0.0001	15.07	-0.0001	.0005	.0048
#3	-0.0001	5.009	-0.0001	.0287	-0.0002	15.07	-0.0001	.0005	.0050
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.0022	2.278	12.57	3.375	0.056	0.000	7.521	0.017	0.010
Stddev	.0001	.011	.04	.009	.0000	.000	.028	.0001	.0006
%RSD	5.773	.4723	.3119	.2650	.6832	66.15	.3735	4.485	63.39
#1	.0024	2.270	12.60	3.381	.0057	.0000	7.541	.0017	.0014
#2	.0021	2.290	12.58	3.380	.0056	-0.001	7.534	.0018	.0003
#3	.0022	2.273	12.52	3.365	.0056	.0000	7.489	.0016	.0013
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0009	0.013	4.578	0.002	0.039	1.992	-0.021	0.104	0.345
Stddev	.0004	.0010	.003	.0002	.0001	.0023	.0004	.0001	.0002
%RSD	46.29	79.23	.0624	84.98	.2446	1.129	17.60	1.194	.4728
#1	.0009	.0023	4.578	.0002	.0339	.2018	-.0025	.0104	.0343
#2	.0014	.0012	4.575	.0003	.0338	.1983	-.0020	.0105	.0346
#3	.0005	.0003	4.580	.0000	.0340	.1976	-.0018	.0103	.0346
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2673.8	5199.8	4192.5	3667.6					
Stddev	5.8	7.6	101.	16.8					
%RSD	.21776	.14572	.24103	.45858					
#1	2679.6	5208.0	4184.2	3652.2					
#2	2673.9	5198.4	4189.5	3665.1					
#3	2667.9	5193.1	4203.7	3685.6					

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7.2
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Sample Name: MP30327-SD1 Acquired: 5/6/2016 12:04:07 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0003	4.402	-0.028	0.242	-0.008	13.25	-0.002	-0.003	0.043
Stddev	.0018	.079	.0012	.0007	.0001	.09	.0002	.0007	.0003
%RSD	524.1	1.796	43.77	2.752	16.06	6.519	70.45	224.4	7.662
#1	.0022	4.334	-.0042	.0242	-.0009	13.26	-.0004	.0004	.0044
#2	.0001	4.383	-.0024	.0249	-.0007	13.16	-.0002	-.0010	.0044
#3	-.0013	4.489	-.0018	.0236	-.0009	13.33	-.0001	-.0004	.0039
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0025	1.967	11.01	2.970	0.044	-0.038	6.569	0.011	0.002
Stddev	.0005	.018	.16	.114	.0001	.0006	.056	.0001	.0014
%RSD	21.24	.9081	1.418	3.822	3.397	16.79	.8524	10.40	659.7
#1	.0026	1.968	11.18	2.839	.0044	-.0033	6.634	.0012	.0007
#2	.0030	1.984	10.98	3.025	.0042	-.0037	6.539	.0011	-.0013
#3	.0020	1.948	10.88	3.045	.0045	-.0045	6.535	.0010	.0013
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0033	-0.078	4.045	-0.015	0.282	1.695	-0.010	0.090	0.822
Stddev	.0028	.0128	.006	.0005	.0005	.0015	.0019	.0010	.0004
%RSD	85.03	164.6	.1506	36.00	1.803	.8704	183.9	10.66	.4599
#1	.0034	-.0077	4.051	-.0012	.0276	1.702	-.0030	.0091	.0818
#2	.0059	.0050	4.045	-.0011	.0285	1.678	-.0007	.0100	.0822
#3	.0004	-.0206	4.039	-.0021	.0284	1.706	.0007	.0080	.0825
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2790.0	5289.4	4246.7	3761.3					
Stddev	3.5	2.9	223.	8.0					
%RSD	.12484	.05420	.52523	.21325					
#1	2786.8	5289.4	4241.2	3757.6					
#2	2793.7	5292.2	4271.2	3770.5					
#3	2789.4	5286.5	4227.6	3755.8					

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Sample Name: MP30327-PS1 Acquired: 5/6/2016 12:08:37 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.094	7.567	1.050	3.008	0.534	20.04	0.536	0.547	0.588
Stddev	.0009	.031	.0006	.0016	.0000	.10	.0001	.0002	.0003
%RSD	1.736	.4153	.5294	.5296	.0799	.4761	.1325	.3454	.4778
#1	.0504	7.531	1.050	.2992	.0534	19.94	.0536	.0549	.0591
#2	.0487	7.591	1.055	.3024	.0534	20.12	.0535	.0546	.0586
#3	.0492	7.577	1.044	.3007	.0535	20.06	.0537	.0546	.0588
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1121	5.420	22.48	8.535	0.605	10.47	17.61	1.087	0.521
Stddev	.0005	.025	.18	.072	.0001	.0003	.06	.0001	.0004
%RSD	.4150	.4656	.7813	.8400	.1906	.2602	.3285	.1254	.8541

Sample Name: MP30327-S1 Acquired: 5/6/2016 12:12:54 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.097	33.00	2.029	2.169	0.541	42.03	0.521	5.230	2.170
Stddev	.0004	.06	.007	.002	.0002	.16	.0002	.0014	.0007
%RSD	.7922	.1789	.3361	.0699	.3936	.3782	.3318	.2742	.3251
#1	.0493	32.94	2.027	2.170	.0540	41.86	.0522	.5216	.2169
#2	.0500	32.99	2.023	2.167	.0541	42.17	.0519	.5228	.2178
#3	.0499	33.06	2.036	2.169	.0544	42.07	.0522	.5244	.2164
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.730	29.92	38.98	29.82	5.435	5.064	33.36	5.283	5.136
Stddev	.0002	.08	.12	.09	.0012	.0015	.08	.0024	.0019
%RSD	.0633	.2668	.3057	.2993	.2288	.2994	.2468	.4555	.3656
#1	.2732	29.83	38.88	29.78	.5427	5.054	33.31	5.260	5.127
#2	.2728	29.94	39.11	29.75	.5449	5.056	33.33	5.282	5.124
#3	.2729	29.98	38.94	29.92	.5429	5.081	33.46	5.308	5.158
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.153	2.048	4.467	5.272	5.375	7.060	2.060	5.097	5.567
Stddev	.0007	.009	.016	.0007	.0020	.0004	.002	.0001	.0018
%RSD	.1454	.4629	.3589	.1394	.3660	.0529	.1143	.0269	.3149
#1	.5161	2.037	4.456	5.280	5.364	7.057	2.063	5.096	5.550
#2	.5147	2.052	4.460	5.268	5.362	7.064	2.060	5.097	5.566
#3	.5151	2.055	4.486	5.267	5.397	7.060	2.058	5.099	5.585
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2481.7	5102.7	40533.	3608.4					
Stddev	4.3	20.3	38.	28.1					
%RSD	.17511	.39837	.09453	.77993					
#1	2486.5	5123.9	40492.	3640.8					
#2	2477.9	5100.8	40569.	3589.5					
#3	2480.7	5083.4	40537.	3595.0					

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Sample Name: MP30327-S2 Acquired: 5/6/2016 12:17:04 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.091	32.90	2.010	2.135	0.538	41.75	0.516	5.177	2.161
Stddev	.0006	.06	.005	.004	.0003	.18	.0000	.0007	.0008
%RSD	1.171	.1941	.2703	.1900	.5163	.4428	.0463	.1323	.3647
#1	.0488	32.86	2.013	2.131	.0539	41.60	.0516	5.171	2.154
#2	.0488	32.97	2.004	2.139	.0539	41.96	.0516	5.175	2.160
#3	.0498	32.86	2.014	2.134	.0534	41.70	.0516	5.184	2.170
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.701	29.77	38.80	29.70	5.432	5.005	33.39	5.234	5.084
Stddev	.0005	.16	.12	.26	.0011	.0009	.10	.0007	.0025
%RSD	.1993	.5465	.3041	.8805	.1994	.1873	.2985	.1319	.4899
#1	.2704	29.63	38.74	29.43	.5425	4.996	33.38	5.227	5.076
#2	.2704	29.94	38.93	29.95	.5445	5.003	33.50	5.233	5.064
#3	.2695	29.73	38.72	29.71	.5427	5.015	33.30	5.241	5.112
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.119	2.024	4.499	5.200	5.327	7.034	2.038	5.066	5.490
Stddev	.0005	.005	.013	.0002	.0015	.0005	.008	.0007	.0002
%RSD	.0909	.2537	.2907	.0357	.2820	.0781	.3761	.1416	.0445
#1	.5120	2.030	4.513	5.199	5.327	7.030	2.036	5.059	5.490
#2	.5114	2.020	4.487	5.198	5.342	7.040	2.031	5.073	5.493
#3	.5123	2.023	4.498	5.202	5.312	7.033	2.046	5.066	5.488
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2490.2	5108.0	40471.	3568.3					
Stddev	4.0	1.2	45.	15.0					
%RSD	.16082	.02379	.11057	.42034					
#1	2493.9	5109.4	40448.	3582.2					
#2	2490.8	5107.2	40523.	3552.4					
#3	2485.9	5107.5	40443.	3570.3					

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7.2
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Sample Name: FA33633-2 Acquired: 5/6/2016 12:21:15 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	25.43	-0.004	0.863	-0.001	27.08	-0.001	0.011	0.033
Stddev	.0002	.0053	.0004	.0004	.0000	.09	.0000	.0001	.0001
%RSD	62.92	2.069	127.2	.5065	6.581	.3433	56.86	10.60	2.232
#1	-0.003	25.72	-0.000	0.859	-0.001	26.97	-0.000	.0012	.0032
#2	-0.002	25.75	-0.002	0.864	-0.001	27.13	-0.001	.0011	.0033
#3	-0.006	24.82	-0.009	0.867	-0.001	27.14	-0.001	.0010	.0034
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.008	3.344	3.226	5.869	0.551	-0.002	23.89	0.032	0.000
Stddev	.0001	.0102	.063	.038	.0002	.0002	.11	.0000	.0006
%RSD	15.22	1.092	1.953	.6514	.3921	67.87	4.447	1.428	346.7
#1	.0008	3.228	3.207	5.913	.0552	-0.001	23.77	.0032	-0.004
#2	.0010	3.296	3.296	5.846	.0552	-0.004	23.92	.0033	-0.002
#3	.0008	3.384	3.175	5.847	.0548	-0.002	23.97	.0032	.0007
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.011	0.016	2.703	0.002	1.635	0.048	-0.013	0.022	0.322
Stddev	.0004	.0019	.003	.0002	.0011	.0001	.0006	.0001	.0001
%RSD	31.89	117.7	.0999	93.66	.6587	2.974	49.93	6.599	1.865
#1	.0016	.0033	2.703	.0000	1.624	.0049	-0.0005	.0022	.0321
#2	.0009	.0019	2.700	.0002	1.636	.0048	-0.0017	.0023	.0321
#3	.0009	-0.004	2.706	.0003	1.645	.0046	-0.0015	.0020	.0322
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2616.7	5127.1	41100.	3706.5					
Stddev	7.4	10.1	71.	20.6					
%RSD	.28209	.19741	.17224	.55507					
#1	2624.1	5133.0	41159.	3729.2					
#2	2616.7	5132.8	41022.	3689.0					
#3	2609.3	5115.4	41120.	3701.3					

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Sample Name: FA33633-3 Acquired: 5/6/2016 12:25:42 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.001	0.637	0.104	0.725	-0.001	9.897	-0.004	0.025	0.150
Stddev	.0001	.0011	.0004	.0004	.0000	.031	.0000	.0001	.0001
%RSD	251.7	1.775	3.394	5.273	38.55	.3153	12.87	2.444	547.3
#1	.0002	0.648	0.103	0.729	-0.002	9.923	-0.004	0.024	0.151
#2	.0000	0.626	0.102	0.723	-0.001	9.905	-0.003	0.025	0.149
#3	.0000	0.636	0.108	0.722	-0.002	9.862	-0.004	0.025	0.150
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.000	23.06	2.349	2.987	1.359	-0.006	14.40	0.043 </	

Sample Name: CCV Acquired: 5/6/2016 12:30:10 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2601	41.24	2.014	2.056	2.050	42.18	2.069	2.060	2.074
Stddev	.0004	.23	.001	.014	.012	.18	.001	.000	.006
%RSD	.1637	.5646	.0384	.6584	.5728	.4175	.0491	.0135	.2823
#1	.2605	41.34	2.014	2.059	2.052	42.26	2.069	2.060	2.078
#2	.2602	41.41	2.015	2.067	2.060	42.30	2.069	2.060	2.077
#3	.2597	40.98	2.013	2.041	2.037	41.98	2.067	2.059	2.067

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.074	40.30	41.52	42.08	2.097	2.042	40.84	2.052	2.042
Stddev	.005	.22	.26	.08	.005	.002	.27	.003	.004
%RSD	.2455	.5541	.6214	.1993	.2295	.0945	.6665	.1334	.2141
#1	2.069	40.36	41.59	42.18	2.097	2.043	40.91	2.052	2.042
#2	2.075	40.48	41.74	42.01	2.101	2.040	41.07	2.050	2.047
#3	2.079	40.05	41.24	42.06	2.092	2.043	40.54	2.055	2.038

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.022	2.033	1.584	2.085	2.038	2.062	2.059	2.046	2.070
Stddev	.003	.003	.004	.001	.013	.001	.004	.005	.003
%RSD	.1335	.1644	.2865	.0316	.6246	.0342	.2177	.2343	.1346
#1	2.019	2.037	1.587	2.085	2.041	2.062	2.055	2.051	2.067
#2	2.021	2.031	1.579	2.085	2.049	2.063	2.063	2.045	2.073
#3	2.025	2.032	1.587	2.084	2.024	2.063	2.058	2.041	2.070

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 5/6/2016 12:30:10 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2416.8	5044.5	39910.	3577.5
Stddev	4.4	5.5	48.	9.1
%RSD	.18091	.10898	.11958	.25566
#1	2421.1	5041.9	39855.	3573.0
#2	2412.4	5050.8	39930.	3571.5
#3	2417.0	5040.8	39944.	3588.0

Sample Name: CCB Acquired: 5/6/2016 12:34:21 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0124	-0.0003	.0001	.0001	.0082	.0001	.0001	.0001
Stddev	.0002	.0032	.0008	.0002	.0001	.0047	.0000	.0001	.0002
%RSD	68.41	25.93	259.0	208.1	59.67	56.71	18.11	142.0	114.9
#1	.0001	.0088	.0002	.0001	.0002	.0128	.0001	.0001	.0002
#2	.0004	.0133	-.0013	.0003	.0001	.0035	.0001	.0000	.0000
#3	.0003	.0150	.0001	-.0001	.0001	.0083	.0001	.0001	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0106	.0045	-.0011	.0001	.0006	.0244	.0000	.0001
Stddev	.000	.0004	.0334	.0127	.0000	.0002	.0075	.0001	.0001
%RSD	401.8	3.573	736.4	1183.	32.59	35.12	30.65	927.4	122.1
#1	.0000	.0105	-.0327	.0059	.0001	.0008	.0226	.0001	.0000
#2	.0001	.0111	.0146	.0066	.0001	.0006	.0179	.0001	.0002
#3	-.0003	.0104	.0317	-.0158	.0001	.0004	.0325	-.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	-.0014	.0016	.0001	.0002	.0006	-.0005	.0001	.0004
Stddev	.0001	.0003	.0001	.0001	.0000	.0000	.0008	.0001	.0000
%RSD	13.85	24.54	7.731	105.6	20.29	8.194	184.7	205.7	13.00
#1	.0011	-.0011	.0017	.0000	.0002	.0006	-.0009	-.0001	.0004
#2	.0009	-.0017	.0016	.0001	.0001	.0006	.0005	.0000	.0003
#3	.0011	-.0014	.0015	.0000	.0002	.0005	-.0010	.0002	.0004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 5/6/2016 12:34:21 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2845.6	5386.4	42780.	3725.0
Stddev	1.1	10.3	218.	40.1
%RSD	.04032	.19153	.51072	1.0756
#1	2844.5	5378.6	42664.	3679.2
#2	2846.8	5398.1	42644.	3742.7
#3	2845.6	5382.6	43032.	3753.2

Sample Name: FA33633-4 Acquired: 5/6/2016 12:38:53 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0003	.1138	.0015	.5753	-.0001	111.0	-.0003	.0009	.0014
Stddev	.0003	.0076	.0005	.0012	.0000	.3	.0000	.0000	.0003
%RSD	87.62	6.685	32.06	.2155	11.94	.2789	6.412	3.057	22.32
#1	.0006	.1224	.0020	.5767	-.0001	111.3	-.0003	.0009	.0013
#2	.0001	.1112	.0012	.5743	-.0001	110.7	-.0003	.0009	.0012
#3	.0002	.1079	.0013	.5748	-.0002	111.1	-.0003	.0009	.0018
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0003	21.71	10.86	9.486	.5511	.0002	16.70	.0027	-.0003
Stddev	.0001	.03	.01	.021	.0024	.0001	.02	.0001	.0008
%RSD	38.15	.1504	.0776	.2247	.4428	44.52	.1023	5.173	248.7
#1	.0004	21.67	10.87	9.491	.5489	.0003	16.70	.0025	-.0012
#2	.0002	21.71	10.85	9.463	.5506	.0003	16.72	.0028	.0004
#3	.0003	21.74	10.87	9.505	.5537	.0001	16.69	.0027	-.0002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0005	.0014	4.992	.0002	.6528	.0055	-.0010	.0038	.0432
Stddev	.0009	.0007	.003	.0004	.0006	.0004	.0006	.0000	.0002
%RSD	161.6	49.47	.0552	.206.8	.0949	7.219	52.73	.2335	.5344
#1	-.0005	.0007	4.990	.0000	.6534	.0059	-.0014	.0038	.0430
#2	.0010	.0021	4.991	.0007	.6528	.0051	-.0004	.0038	.0434
#3	.0011	.0013	4.995	-.0001	.6522	.0055	-.0013	.0038	.0431
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2511.0	4997.9	40428.	3653.1					
Stddev	1.7	.7	42.	15.2					
%RSD	.06628	.01401	.10409	.41639					
#1	2512.6	4997.2	40465.	3658.6					
#2	2509.3	4998.0	40436.	3664.7					
#3	2511.0	4998.6	40382.	3635.9					

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Sample Name: FA33633-5 Acquired: 5/6/2016 12:43:18 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	1.088	-.0013	.0560	-.0001	48.43	-.0001	.0000	.0023
Stddev	.0004	.013	.0001	.0003	.0001	.14	.0001	.000	.0001
%RSD	216.9	1.177	5.742	.5283	44.73	.2846	61.60	133.7	3.012
#1	-.0002	1.073	-.0012	.0563	-.0001	48.54	-.0001	-.0001	.0023
#2	.0004	1.096	-.0014	.0559	-.0002	48.28	-.0002	.0000	.0024
#3	.0003	1.094	-.0012	.0557	-.0001	48.49	-.0001	.0000	.0023
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0046	4.562	5.524	5.873	.0016	.0000	13.48	.0008	.0004
Stddev	.0002	.0031	.038	.026	.0001	.000	.01	.0003	.0003
%RSD	4.813	.6709	.6906	.4418	4.223	2300.	.0672	30.73	59.09
#1	.0047	4.566	5.522	5.843	.0016	.0001	13.48	.0008	.0007
#2	.0047	4.590	5.539	5.882	.0016	-.0001	13.49	.0011	.0003
#3	.0043	4.529	5.481	5.892	.0017	.0000	13.49	.0006	.0003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0016	.0011	1.410	.0003	.2134	.0462	-.0019	.0035	.0202
Stddev	.0012	.0011	.006	.0002	.0006	.0002	.0015	.0003	.0001
%RSD	72.67	101.7	4.564	62.51	.2945	.4378	75.99	9.439	.5486
#1	.0003	.0022	1.417	.0001	.2139	.0464	-.0020	.0033	.0202
#2	.0023	.0011	1.409	.0004	.2135	.0461	-.0004	.0035	.0202
#3	.0023	.0000	1.404	.0005	.2127	.0460	-.0033	.0039	.0204
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2612.7	5111.0	41024.	3702.3					
Stddev	2.3	8.8	172.	13.7					
%RSD	.08926	.17132	.42031	.36875					
#1	2615.4	5106.8	41015.	3712.9					
#2	2611.0	5105.1	41201.	3707.1					
#3	2611.9	5121.0	40856.	3686.9					

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7.2
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Sample Name: FA33633-6 Acquired: 5/6/2016 12:47:45 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	2.532	-.0005	.0887	-.0001	5.181	-.0001	.0008	.0002
Stddev	.0002	.0163	.0011	.0005	.0000	.061	.0000	.0001	.0002
%RSD	125.1	6.451	215.3	.5282	70.91	1.181	33.84	11.23	125.5
#1	.0003	2.566	-.0008	.0882	.0000	5.129	-.0002	.0009	.0000
#2	.0000	2.675	-.0014	.0890	-.0001	5.248	-.0001	.0008	.0001
#3	.0001	2.354	-.0010	.0890	-.0001	5.166	-.0001	.0008	.0005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0004	1.706	12.87	4.419	.0225	-.0007	10.43	.0005	.0006
Stddev	.0001	.008	.02	.011	.0001	.0001	.06	.0001	.0008
%RSD	20.41	.4946	.1893	.2422	.2577	13.58	.5723	24.89	129.4
#1	.0004	1.704	12.86	4.426	.0225	-.0007	10.37	.0006	.0002
#2	.0003	1.715	12.90	4.406	.0224	-.0006	10.49	.0003	.0016
#3	.0005	1.698	12.86	4.423	.0224	-.0008	10.43	.0005	.0001
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0004	.0001	1.061	.0001	.0293	.0066	-.0020	.0004	.0133
Stddev	.0005	.0007	.001	.0001	.0002	.0002	.0007	.0000	.0001
%RSD	128.6	1305.	.0926	122.5	.5616	2.876	34.47	6.872	.9111
#1	.0010	-.0005	1.062	.0000	.0292	.0068	-.0012	.0004	.0133
#2	.0000	-.0001	1.062	.0002	.0294	.0065	-.0022	.0004	.0133
#3	.0003	.0008	1.060	.0001	.0295	.0064	-.0025	.0005	.0131
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2671.8	5193.7	41490.	3613.9					
Stddev	.8	5.3	81.	30.0					
%RSD	.02948	.10143	.19590	.82876					
#1	2672.5	5193.0	41531.	3631.2					
#2	2670.9	5199.2	41396.	3579.3					
#3	2671.8	5188.8	41543.	3631.2					

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Sample Name: FA33633-7 Acquired: 5/6/2016 12:52:11 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0003	.0468	-.0010	.0327	-.0001	15.99	-.0001	-.0001	.0000
Stddev	.0004	.0042	.0007	.0005	.0001	.13	.0001	.0001	.0002
%RSD	106.0	9.080	66.70	1.432	52.91	8078	53.73	150.1	503.9
#1	-.0002	.0504	-.0013	.0323	-.0001	15.90	-.0001	-.0002	.0002
#2	-.0008	.0478	-.0003	.0327	-.0001	15.93	-.0001	-.0002	.0001
#3	.0000	.0421	-.0016	.0332	-.0002	16.13	-.0002	.0001	-.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0003	.0423	2.032	3.169	.0069	-.0008	5.448	-.0001	.0001
Stddev	.0001	.0055	.025	.024	.0000	.0001	.017	.0001	.0002
%RSD	24.32	12.95	1.254	.7639	.3013	9.447	.3021	174.0	148.5
#1	-.0003	.0417	2.005	3.153	.0069	-.0009	5.436	-.0002	.0002
#2	-.0004	.0480	2.036	3.156	.0069	-.0007	5.441	.0000	-.0001
#3	-.0003	.0371	2.056	3.196	.0069	-.0008	5.467		

Sample Name: FA33633-8 Acquired: 5/6/2016 12:56:41 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.633	0.016	0.871	-0.001	68.67	-0.004	0.000	0.004
Stddev	0.001	0.127	0.005	0.004	0.001	.44	0.001	0.001	0.002
%RSD	218.1	20.08	33.42	.5076	73.62	.6437	13.22	641.1	44.61
#1	.0000	.0505	.0012	.0867	.0000	69.12	-.0004	.0000	.0005
#2	-.0002	.0636	.0014	.0876	-.0001	68.24	-.0004	.0000	.0006
#3	.0000	.0759	.0022	.0870	-.0001	68.65	-.0005	.0001	.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.002	26.64	27.43	19.72	1.491	-0.002	14.02	-0.001	-0.009
Stddev	.002	.12	.11	.22	.002	.03	.001	.001	.005
%RSD	93.96	.4363	.4108	1.091	.1138	65.76	.2460	63.50	54.49
#1	.0003	26.74	27.52	19.93	1.489	-.0002	14.06	-.0001	-.0004
#2	.0000	26.51	27.30	19.50	1.493	-.0001	13.99	-.0002	-.0014
#3	.0002	26.66	27.46	19.72	1.492	-.0004	14.03	.0000	-.0009
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.000	-0.006	8578	0.004	2.151	0.019	-0.007	0.008	0.103
Stddev	.001	.0017	.0007	.0002	.0007	.0002	.0005	.0002	.001
%RSD	5734.	267.8	0.0770	42.33	3.427	9.175	63.93	24.36	5026
#1	-.0009	-.0005	8580	.0004	.2158	.0018	-.0012	.0009	.0102
#2	-.0009	.0010	8571	.0006	.2143	.0018	-.0003	.0006	.0103
#3	-.0001	-.0024	8584	.0003	.2151	.0021	-.0007	.0010	.0102
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2535.2	5046.1	40382	3639.6					
Stddev	2.2	6.1	70.	42.8					
%RSD	.08751	.12109	.17397	1.1753					
#1	2535.1	5043.8	40408.	3593.1					
#2	2537.4	5053.0	40302.	3677.2					
#3	2533.0	5041.4	40436.	3648.7					

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Sample Name: FA33633-1F Acquired: 5/6/2016 13:01:08 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	1.447	-0.016	0.269	-0.002	15.29	-0.001	0.003	0.023
Stddev	.004	.004	.002	.000	.001	.05	.001	.001	.002
%RSD	158.2	.2914	12.96	.0747	52.47	.3202	70.28	31.18	8.521
#1	-.0007	1.444	-.0018	.0269	-.0002	15.30	-.0001	.0002	.0025
#2	-.0001	1.452	-.0014	.0268	-.0001	15.34	.0000	.0003	.0022
#3	.0000	1.444	-.0016	.0269	-.0003	15.24	-.0002	.0004	.0022
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0037	1.126	12.22	3.408	0.047	-0.002	7.420	0.008	0.003
Stddev	.000	.004	.03	.017	.000	.001	.035	.001	.001
%RSD	.7410	.3888	.2405	.4884	.7617	42.15	.4657	16.31	29.85
#1	.0037	1.128	12.19	3.401	.0047	-.0003	7.409	.0009	.0002
#2	.0038	1.129	12.24	3.426	.0047	-.0002	7.459	.0008	.0004
#3	.0037	1.121	12.24	3.395	.0047	-.0001	7.392	.0007	.0003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.007	0.014	2.343	-0.002	0.333	0.533	-0.011	0.049	0.130
Stddev	.006	.008	.013	.001	.002	.008	.009	.001	.000
%RSD	87.29	62.18	.5639	48.92	.6613	1.465	85.03	2.648	1.687
#1	.0000	.0005	2.358	-.0002	.0332	.0530	-.0016	.0050	.0130
#2	.0012	.0014	2.337	-.0003	.0336	.0527	-.0016	.0048	.0130
#3	.0008	.0022	2.334	-.0001	.0332	.0542	.0000	.0048	.0130
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2670.6	5197.4	41484.	3683.3					
Stddev	8.8	9.2	82.	8.4					
%RSD	.32997	.17788	.19826	.22884					
#1	2663.9	5196.4	41578.	3688.8					
#2	2667.3	5188.7	41449.	3673.6					
#3	2680.6	5207.1	41425.	3687.5					

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7.2
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Sample Name: FA33633-2F Acquired: 5/6/2016 13:05:36 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.001	1.808	-0.005	0.904	-0.001	28.09	-0.001	0.014	0.033
Stddev	.001	.0144	.0006	.0004	.0000	.13	.0000	.0001	.0001
%RSD	119.8	7.987	109.9	.4554	56.58	.4450	9.904	6.107	4.506
#1	.0000	.1970	.0000	.0901	-.0001	28.20	-.0001	.0015	.0032
#2	.0001	.1757	-.0004	.0908	.0000	27.96	-.0001	.0013	.0035
#3	.0001	.1695	-.0012	.0902	-.0001	28.10	-.0001	.0014	.0033
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.004	1.324	2.289	5.997	0.574	-0.007	25.16	0.037	-0.002
Stddev	.001	.004	.012	.014	.002	.000	.05	.002	.003
%RSD	33.44	.2925	.5384	.2356	.4226	3.028	.1931	6.205	177.7
#1	.0005	1.324	2.283	6.010	.0576	-.0007	25.17	.0039	-.0006
#2	.0003	1.321	2.303	5.999	.0572	-.0007	25.11	.0034	-.0002
#3	.0003	1.328	2.280	5.982	.0573	-.0007	25.20	.0038	.0001
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.005	-0.001	2.808	-0.001	1.714	0.006	-0.020	0.028	0.123
Stddev	.0012	.0020	.003	.0001	.0008	.0000	.0006	.0002	.001
%RSD	224.5	325.3	.1221	120.4	.4796	6.616	29.14	5.459	.6168
#1	.0015	-.0023	2.806	-.0001	.1720	.0006	-.0021	.0030	.0122
#2	.0010	-.0015	2.805	-.0002	.1705	.0006	-.0026	.0028	.0124
#3	-.0008	.0007	2.811	.0000	.1719	.0006	-.0014	.0028	.0124
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2637.4	5173.7	41471.	3654.7					
Stddev	6.0	8.6	137.	21.3					
%RSD	.22928	.16618	.32985	.58342					
#1	2640.0	5177.1	41313.	3654.9					
#2	2641.7	5180.1	41549.	3676.0					
#3	2630.5	5163.9	41550.	3633.4					

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Sample Name: FA33633-3F Acquired: 5/6/2016 13:10:03 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.000	0.0405	0.108	0.730	-0.001	10.21	-0.004	0.025	0.151
Stddev	.003	.0062	.0013	.0004	.0001	.04	.0000	.0001	.0002
%RSD	1302.	15.30	12.03	.5733	93.89	.3633	6.440	2.033	1.045
#1	.0001	.0452	.0109	.0725	-.0001	10.16	-.0004	.0025	.0152
#2	.0002	.0335	.0095	.0733	-.0002	10.22	-.0004	.0026	.0152
#3	-.0003	.0429	.0121	.0730	.0000	10.23	-.0005	.0025	.0149
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.001	23.49	2.432	3.135	1.413	-0.006	14.90	0.046	-0.005
Stddev	.001	.04							

Sample Name: FA33633-4F Acquired: 5/6/2016 13:14:28 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Aq3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	.0270	.0005	.5730	-.0001	111.7	-.0004	.0009	.0015
Stddev	.0003	.0065	.0006	.0036	.0000	.5	.0001	.0001	.0002
%RSD	166.1	24.18	130.7	.6332	31.08	4.364	14.74	11.35	12.91
#1	.0000	.0229	.0007	.5771	-.0001	112.2	-.0004	.0010	.0016
#2	.0000	.0346	-.0002	.5719	-.0001	111.2	-.0003	.0008	.0013
#3	.0005	.0236	.0009	.5701	-.0001	111.6	-.0004	.0009	.0016
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0003	22.45	10.93	9.571	.5564	-0.0006	17.28	.0031	-0.0007
Stddev	.0001	.10	.07	.074	.0013	.0001	.10	.0001	.0002
%RSD	23.49	.4339	.6382	.7718	.2300	16.00	.5843	2.816	33.49
#1	.0004	22.56	11.01	9.564	.5563	-.0005	17.38	.0030	-.0009
#2	.0003	22.38	10.87	9.501	.5577	-.0005	17.27	.0032	-.0004
#3	.0002	22.40	10.91	9.648	.5552	-.0007	17.18	.0032	-.0008
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-.0003	.0016	4.904	.0003	.6591	.0006	-.0024	.0035	.0099
Stddev	.0009	.0013	.007	.0001	.0038	.0002	.0012	.0001	.0000
%RSD	326.6	80.25	.1462	49.11	.5778	24.45	50.33	4.310	43.10
#1	.0004	.0005	4.903	.0003	.6634	.0007	-.0038	.0036	.0100
#2	-.0014	.0029	4.897	.0004	.6571	.0005	-.0020	.0034	.0100
#3	.0002	.0013	4.912	.0001	.6566	.0007	-.0015	.0034	.0099
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2509.0	4983.1	40293.	3608.8					
Stddev	9.3	14.3	76.	21.6					
%RSD	.37206	.28655	.18984	.59735					
#1	2499.2	4975.9	40206.	3589.9					
#2	2517.8	4999.5	40323.	3632.3					
#3	2510.0	4973.8	40351.	3604.2					

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Sample Name: FA33633-5F Acquired: 5/6/2016 13:18:55 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Aq3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.1353	-.0014	.0607	-.0001	45.23	-.0001	-.0001	.0015
Stddev	.0002	.0033	.0005	.0005	.0000	.28	.0000	.0001	.0001
%RSD	429.1	2.443	33.48	.7735	33.43	.6180	19.61	67.09	10.00
#1	.0002	.1334	-.0017	.0608	-.0001	45.47	-.0001	.0000	.0013
#2	-.0002	.1335	-.0009	.0602	-.0001	44.92	-.0001	-.0001	.0016
#3	.0001	.1391	-.0017	.0611	-.0001	45.29	-.0001	-.0001	.0015
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0044	.0451	5.122	5.572	.0016	-.0002	14.67	.0006	-.0002
Stddev	.0003	.0037	.010	.063	.0000	.0001	.07	.0002	.0006
%RSD	6.938	8.181	.2001	1.122	1.891	45.93	.4630	29.31	312.4
#1	.0047	.0458	5.130	5.618	.0016	-.0002	14.68	.0004	-.0007
#2	.0041	.0484	5.125	5.501	.0016	-.0001	14.60	.0007	-.0004
#3	.0043	.0411	5.110	5.597	.0016	-.0003	14.73	.0007	-.0003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0002	.0017	.8711	.0000	.2082	.0017	-.0008	.0017	.0212
Stddev	.0005	.0003	.0018	.000	.0012	.0000	.0003	.0002	.0001
%RSD	238.2	17.36	.2025	935.5	.5618	2.706	43.30	9.179	294.0
#1	-.0003	.0015	.8731	.0001	.2085	.0016	-.0012	.0016	.0213
#2	.0003	.0021	.8697	-.0001	.2069	.0017	-.0007	.0018	.0212
#3	.0006	.0016	.8706	-.0001	.2091	.0016	-.0005	.0016	.0212
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2627.6	5144.5	41097.	3678.0					
Stddev	.6	7.0	289.	19.1					
%RSD	.02378	.13512	.70362	.51924					
#1	2628.3	5138.5	40882.	3657.5					
#2	2627.3	5152.1	40983.	3695.3					
#3	2627.2	5142.8	41426.	3681.1					

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7.2
7

Sample Name: CCV Acquired: 5/6/2016 13:23:23 Type: QC
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Aq3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.569	40.84	1.985	2.032	2.023	41.80	2.034	2.030	2.050
Stddev	.0010	.22	.005	.012	.008	.35	.005	.004	.003
%RSD	.3829	.5455	.2596	.5850	.3811	.8311	.2606	.2240	.1537
#1	.2580	40.87	1.980	2.030	2.022	41.97	2.033	2.028	2.051
#2	.2565	41.04	1.990	2.045	2.031	42.02	2.040	2.035	2.053
#3	.2562	40.60	1.985	2.021	2.016	41.40	2.030	2.026	2.047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.053	39.86	41.23	41.76	2.069	2.014	40.15	2.016	2.013
Stddev	.011	.22	.21	.37	.006	.004	.22	.005	.011
%RSD	.5098	.5533	.5078	.8822	.2893	.2101	.5440	.2497	.5337
#1	2.062	39.93	41.26	42.01	2.074	2.011	40.08	2.014	2.018
#2	2.054	40.04	41.42	41.94	2.071	2.019	40.39	2.021	2.021
#3	2.041	39.61	41.01	41.34	2.062	2.012	39.97	2.012	2.001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.991	2.004	1.561	2.058	2.007	2.035	2.027	2.013	2.033
Stddev	.001	.005	.004	.007	.009	.006	.006	.003	.006
%RSD	.0697	.2762	.2320	.3185	.4491	.3168	.3012	.1536	.2777
#1	1.991	2.001	1.558	2.054	2.006	2.040	2.029	2.010	2.033
#2	1.990	2.010	1.565	2.065	2.017	2.037	2.032	2.016	2.039
#3	1.992	2.000	1.562	2.054	1.999	2.027	2.020	2.012	2.028
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 5/6/2016 13:23:23 Type: QC
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2447.7	5114.2	40373.	3608.3
Stddev	8.3	4.8	165.	40.3
%RSD	.33734	.09461	.40852	1.1182
#1	2439.7	5116.0	40182.	3585.9
#2	2447.3	5108.7	40473.	3584.1
#3	2456.2	5117.8	40462.	3654.9

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Sample Name: CCB Acquired: 5/6/2016 13:27:34 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0148	-0.001	.0002	.0002	.0103	.0001	.0001	.0003
Stddev	.0004	.0033	.0002	.0002	.0000	.0037	.0000	.0000	.0002
%RSD	194.4	22.60	245.5	94.97	23.82	35.31	23.77	42.98	58.73

#1 -0.002 .0126 .0002 .0000 .0001 .0084 .0001 .0001 .0004
 #2 .0002 .0131 -0.003 .0003 .0002 .0081 .0001 .0001 .0001
 #3 .0006 .0186 -0.002 .0002 .0001 .0146 .0001 .0001 .0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0096	-0.088	-0.063	.0002	.0006	.0380	.0002	.0004
Stddev	.0001	.0021	.0497	.0259	.0001	.0002	.0069	.0001	.0004
%RSD	33.62	21.51	562.7	407.5	32.44	38.52	18.27	67.65	99.19

#1 -0.002 .0073 -0.0312 .0196 .0002 .0008 .0458 .0003 .0007
 #2 -0.001 .0110 -0.0434 -0.0321 .0001 .0006 .0328 .0003 .0005
 #3 -0.002 .0107 .0481 -0.0066 .0001 .0004 .0353 .0000 .0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	-0.011	.0019	.0002	.0002	.0007	-0.004	.0000	.0003
Stddev	.0002	.0008	.0001	.0002	.0001	.0001	.0004	.0001	.0000
%RSD	18.90	73.74	6.966	120.7	72.08	15.00	85.73	176.8	10.73

#1 .0014 -0.0003 .0021 .0005 .0002 .0008 -0.0009 .0000 .0003
 #2 .0009 -0.0018 .0019 .0000 .0003 .0007 -0.0002 .0001 .0003
 #3 .0011 -0.0010 .0018 .0001 .0000 .0006 -0.0003 .0000 .0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/6/2016 13:27:34 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2835.6	5361.6	42374.	3680.3
Stddev	4.3	3.8	76.	10.8
%RSD	.15218	.06998	.17911	.29409

#1 2836.9 5359.9 42323. 3692.1
 #2 2839.0 5365.9 42338. 3678.1
 #3 2830.7 5359.0 42462. 3670.8

Sample Name: FA33633-6F Acquired: 5/6/2016 13:32:07 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0003	.0859	-0.008	.0860	-0.001	7.291	-0.001	.0008	.0002
Stddev	.0003	.0076	.0002	.0001	.0001	.039	.0000	.0001	.0001
%RSD	86.36	8.825	27.55	.0982	62.44	.5305	16.06	9.098	27.68

#1 .0006 .0924 -0.0007 .0859 -0.001 7.330 -0.001 .0007 .0002
 #2 .0003 .0879 -0.0006 .0861 .0000 7.253 -0.001 .0008 .0002
 #3 .0001 .0776 -0.0011 .0859 -0.001 7.289 -0.001 .0008 .0003

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0055	1.022	13.75	4.579	.0218	-0.001	10.37	.0006	-0.005
Stddev	.0000	.008	.07	.065	.0001	.0001	.04	.0001	.0006
%RSD	.1364	.7747	4868	1.416	.3789	115.7	4.194	16.85	122.5

#1 .0055 1.025 13.80 4.641 .0219 .0000 10.40 .0007 -0.003
 #2 .0055 1.013 13.68 4.512 .0218 -0.001 10.32 .0007 -0.012
 #3 .0055 1.028 13.79 4.584 .0217 -0.003 10.39 .0005 .0000

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0011	.0014	1.022	-0.001	.0389	.0003	-0.021	.0001	.0136
Stddev	.0009	.0022	.003	.0001	.0001	.0001	.0010	.0001	.0000
%RSD	88.17	155.4	.2927	120.7	.1692	37.82	49.56	133.8	.2207

#1 .0021 .0007 1.021 .0000 .0388 .0003 -0.0009 .0000 .0137
 #2 .0009 -0.0004 1.020 -0.002 .0389 .0003 -0.0029 .0000 .0136
 #3 .0002 .0038 1.026 -0.001 .0389 .0001 -0.0024 .0002 .0137

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2689.8	5255.7	41948.	3668.3
Stddev	3.3	9.8	105.	34.1
%RSD	.12105	.18605	.25061	.93020

#1 2686.6 5261.7 41854. 3632.4
 #2 2693.1 5261.1 41929. 3700.3
 #3 2689.8 5244.5 42062. 3672.1

Sample Name: FA33633-7F Acquired: 5/6/2016 13:36:36 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	.0522	-0.015	.0321	-0.002	15.71	-0.001	.0000	.0000
Stddev	.0001	.0038	.0007	.0001	.0000	.01	.0001	.0001	.0002
%RSD	152.8	7.357	44.70	.3047	23.81	.0930	50.32	226.5	494.2

#1 -0.001 .0548 -0.016 .0320 -0.002 15.72 -0.001 .0001 -0.001
 #2 .0001 .0539 -0.008 .0321 -0.002 15.72 -0.002 .0000 -0.001
 #3 -0.002 .0478 -0.022 .0322 -0.002 15.70 -0.001 .0001 -0.002

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0037	.0685	2.124	3.076	.0070	-0.003	5.491	.0007	-0.005
Stddev	.0002	.0025	.017	.025	.0001	.0001	.012	.0003	.0001
%RSD	5.659	3.723	.7824	.8078	.8827	23.51	22.30	42.30	14.51

#1 .0038 .0713 2.134 3.052 .0071 -0.002 5.496 .0009 -0.004
 #2 .0039 .0678 2.105 3.102 .0069 -0.004 5.501 .0006 -0.005
 #3 .0035 .0663 2.134 3.073 .0070 -0.003 5.478 .0004 -0.005

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0006	.0005	1.087	-0.001	.0500	.0015	-0.021	.0001	.0161
Stddev	.0008	.0005	.002	.0002	.0001	.0001	.0005	.0001	.0001
%RSD	139.0	106.1	.1540	343.0	.2493	8.851	26.19	58.03	.5694

#1 .0010 -0.001 1.088 .0001 .0498 .0016 -0.018 .0002 .0161
 #2 .0012 .0007 1.086 -0.003 .0501 .0015 -0.018 .0000 .0160
 #3 -0.004 .0009 1.085 .0000 .0500 .0014 -0.027 .0001 .0161

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2710.6	5238.9	41911.	3696.4
Stddev	7.6	12.4	119.	2.4
%RSD	.27936	.23665	.28390	.06490

#1 2702.2 5226.7 41806. 3697.5
 #2 2716.9 5251.5 42040. 3693.6
 #3 2712.6 5238.6 41887. 3698.0

Sample Name: FA33633-8F Acquired: 5/6/2016 13:41:06 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.296	0.009	0.867	-0.002	68.97	-0.005	0.000	0.004
Stddev	0.003	0.040	0.005	0.004	0.000	58	0.001	0.001	0.002
%RSD	361.2	13.65	56.59	4.646	20.02	8.406	11.76	1412.	46.59
#1	-0.003	0.340	0.013	0.872	-0.002	69.24	-0.006	0.000	0.002
#2	0.003	0.286	0.003	0.866	-0.003	69.36	-0.005	-0.001	0.006
#3	-0.002	0.261	0.011	0.864	-0.002	68.30	-0.005	0.001	0.004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.003	26.91	27.45	19.88	15.10	0.001	14.75	0.013	-0.007
Stddev	0.003	21	18	15	0.004	0.001	05	0.003	0.007
%RSD	78.13	7.967	6.614	7.618	2.806	42.41	3.588	26.63	96.85
#1	0.002	27.09	27.52	19.84	15.08	0.001	14.80	0.009	-0.001
#2	0.006	26.97	27.58	20.04	15.07	0.002	14.77	0.014	-0.014
#3	0.002	26.67	27.24	19.75	15.15	0.002	14.70	0.016	-0.006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.006	0.009	8.337	0.003	2.157	0.006	-0.012	0.007	0.100
Stddev	0.003	0.008	0.016	0.005	0.008	0.001	0.006	0.002	0.001
%RSD	57.05	88.61	1.944	141.0	3.755	17.55	52.88	33.12	8.305
#1	0.009	0.016	8.319	0.000	2.166	0.005	-0.015	0.009	0.100
#2	0.006	0.000	8.342	0.001	2.155	0.005	-0.005	0.007	0.099
#3	0.003	0.012	8.351	0.008	2.150	0.007	-0.017	0.004	0.101
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2554.4	5076.0	4025.0	3596.4					
Stddev	5.5	3.5	143.	35.2					
%RSD	2.1675	0.6925	3.5473	9.7939					
#1	2548.1	5079.9	40189.	3576.0					
#2	2556.9	5073.2	40413.	3576.1					
#3	2558.2	5074.7	40147.	3637.1					

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Sample Name: FA33616-1 Acquired: 5/6/2016 13:45:33 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	7.216	0.003	0.396	-0.001	38.89	-0.001	0.002	0.084
Stddev	0.001	0.31	0.002	0.004	0.001	10	0.000	0.001	0.002
%RSD	69.75	4.322	70.55	1.076	146.7	2.493	16.65	43.54	2.072
#1	0.000	7.238	0.001	0.392	0.000	38.99	-0.001	0.001	0.085
#2	-0.003	7.180	0.002	0.395	-0.001	38.80	-0.001	0.002	0.082
#3	-0.003	7.228	0.005	0.400	0.000	38.86	-0.001	0.002	0.084
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.021	1.851	3.635	2.260	1.246	0.063	4.353	0.024	0.063
Stddev	0.003	0.05	0.26	0.13	0.006	0.001	0.04	0.000	0.004
%RSD	14.38	2.566	7.084	5.876	0.512	1.224	1.018	1.914	7.173
#1	0.019	1.846	3.608	2.273	1.241	0.064	4.350	0.024	0.059
#2	0.019	1.853	3.638	2.246	1.245	0.063	4.351	0.024	0.062
#3	0.024	1.854	3.659	2.260	1.253	0.062	4.358	0.025	0.067
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.004	0.011	6.274	0.001	1.685	0.312	-0.026	0.105	0.119
Stddev	0.006	0.009	0.007	0.004	0.001	0.001	0.004	0.001	0.001
%RSD	146.2	81.24	1.068	459.2	0.0365	2.982	16.33	7.507	6.434
#1	0.007	0.014	6.279	-0.003	1.684	0.311	-0.022	0.106	0.119
#2	-0.003	0.018	6.275	0.006	1.685	0.313	-0.030	0.105	0.118
#3	0.008	0.001	6.266	0.000	1.685	0.312	-0.026	0.104	0.120
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2685.6	5314.6	4178.2	3624.5					
Stddev	2.8	4.0	160.	19.5					
%RSD	0.10277	0.07497	3.8383	5.3896					
#1	2688.6	5312.0	41926.	3602.2					
#2	2684.8	5312.6	41811.	3632.4					
#3	2683.3	5319.2	41609.	3638.8					

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7.2
7

Sample Name: FA33616-2 Acquired: 5/6/2016 13:50:00 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	1.905	0.030	0.108	-0.002	58.77	-0.001	-0.001	0.026
Stddev	0.002	0.09	0.004	0.004	0.000	34	0.001	0.001	0.001
%RSD	67.65	4.975	13.90	3.566	11.83	5.835	6.778	109.7	4.398
#1	-0.001	1.914	0.025	0.103	-0.001	58.47	-0.002	-0.002	0.025
#2	-0.004	1.895	0.032	0.110	-0.002	59.15	-0.000	0.000	0.025
#3	-0.003	1.906	0.033	0.110	-0.002	58.69	-0.001	-0.002	0.027
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.045	1.823	4.410	1.450	0.046	0.008	3.465	0.007	0.010
Stddev	0.004	0.03	0.03	0.28	0.002	0.000	0.15	0.002	0.003
%RSD	9.659	1.708	0.742	1.956	4.411	2.437	4.219	27.78	27.64
#1	0.043	1.826	4.409	1.421	0.045	0.008	3.453	0.006	0.009
#2	0.050	1.820	4.408	1.478	0.045	0.008	3.460	0.009	0.013
#3	0.041	1.822	4.414	1.450	0.048	0.008	3.481	0.006	0.008
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.002	0.008	4.703	0.001	1.691	1.343	-0.020	0.054	0.103
Stddev	0.008	0.010	0.16	0.002	0.012	0.089	0.017	0.001	0.001
%RSD	366.0	123.0	3.311	190.9	7.030	6.605	81.56	1.444	1.134
#1	-0.006	0.004	4.704	0.003	1.678	1.242	-0.030	0.054	0.102
#2	-0.007	0.001	4.687	0.001	1.702	1.382	-0.030	0.053	0.103
#3	0.007	0.020	4.718	-0.001	1.692	1.406	-0.001	0.054	0.104
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2654.6	5188.9	4163.2	3661.1					
Stddev	5.5	10.1	108.	23.8					
%RSD	2.0771	1.9465	2.5931	6.5053					
#1	2660.9	5191.2	41564.	3685.8					
#2	2652.1	5197.6	41576.	3638.3					
#3	2650.7	5177.8	41756.	3659.2					

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Sample Name: FA33628-3 Acquired: 5/6/2016 13:54:27 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	9.488	0.022	0.073	-0.002	124.3	-0.002	0.005	0.020
Stddev	0.002	0.070	0.005	0.004	0.001	8	0.000	0.001	0.000
%RSD	209.8	7.373	21.22	5.927	44.48	6.624	16.09	15.92	1.241
#1	-0.003	9.534	0.027	0.078	-0.001	125.1	-0.002	0.006	0.020
#2	0.001	9.522	0.022	0.070	-0.003	123.5	-0.001	0.006	0.020
#3	-0.001	9.407	0.017	0.071	-0.002	124.3	-0.002	0.004	0.020
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.048	6.088	8.860	5.126	1.420	0.037	5.923	0.015	0.022
Stddev	0.002	0.37	0.20	0.086	0.003	0.001	0.34	0.001	0.003
%RSD	4.449	6.071	2.264	1.673	2.439	2.715	5.734	5.088	12.82
#1	0.050	6.118	8.883	5.159	1.418	0.036	5.951	0.015	0.024

Sample Name: FA33628-6 Acquired: 5/6/2016 13:58:53 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	8.056	.0007	.0364	.0002	63.17	.0000	.0006	.0115
Stddev	.0003	.033	.0002	.0003	.0001	.40	.0000	.0000	.0001
%RSD	647.8	4.049	24.62	.7213	69.11	.6360	166.7	6.791	.6317
#1	.0004	8.042	.0007	.0361	.0000	62.82	.0000	.0006	.0115
#2	.0000	8.033	.0005	.0363	.0002	63.08	.0000	.0007	.0116
#3	-.0002	8.094	.0008	.0366	.0002	63.60	.0001	.0006	.0115
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0037	1.039	3.451	6.646	.0154	.0212	3.058	.0049	.0101
Stddev	.0001	.003	.034	.039	.0000	.0001	.018	.0001	.0008
%RSD	2.155	.2410	.9754	.5825	.1248	.4486	.5891	1.035	8.015
#1	.0037	1.037	3.420	6.606	.0154	.0212	3.050	.0050	.0098
#2	.0037	1.039	3.486	6.650	.0154	.0212	3.045	.0049	.0110
#3	.0036	1.042	3.445	6.683	.0154	.0213	3.079	.0049	.0095
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0026	.0022	3.944	.0004	.1914	.0151	-.0024	.0253	.0102
Stddev	.0003	.0004	.009	.0002	.0008	.0002	.0011	.0002	.0001
%RSD	13.34	18.54	.2184	43.75	.4233	1.273	47.50	.8729	1.234
#1	.0023	.0026	3.935	.0002	.1920	.0149	-.0018	.0252	.0102
#2	.0024	.0018	3.943	.0003	.1905	.0152	-.0017	.0255	.0102
#3	.0030	.0023	3.953	.0005	.1917	.0153	-.0037	.0251	.0104
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2645.9	5331.1	42224.	3728.6					
Stddev	9.5	1.4	24.	25.4					
%RSD	.35910	.02605	.05757	.68145					
#1	2635.2	5330.0	42217.	3747.3					
#2	2653.2	5332.7	42251.	3738.7					
#3	2649.4	5330.8	42204.	3699.6					

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Sample Name: DI CHECK Acquired: 5/6/2016 14:03:19 Type: QC
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0023	.0006	-.0007	-.0002	-.0018	.0000	-.0001	.0000
Stddev	.0002	.0034	.0008	.0002	.0001	.0020	.000	.0000	.000
%RSD	197.1	147.9	131.3	29.32	60.13	110.3	59.70	40.02	508.2
#1	.0000	.0045	.0016	-.0005	-.0002	-.0008	-.0001	-.0001	.0001
#2	.0003	-.0016	-.0001	-.0009	-.0002	-.0005	.0000	.0000	.0000
#3	.0000	.0040	.0004	-.0007	.0000	-.0041	.0000	-.0001	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	-.0107	-.0368	-.0132	-.0002	-.0009	.0212	-.0001	.0002
Stddev	.0001	.0006	.0261	.0204	.0000	.0000	.0056	.0002	.0011
%RSD	43.06	5.902	70.97	154.1	24.00	1.148	26.14	321.0	665.6
#1	-.0002	-.0103	-.0084	-.0103	-.0001	-.0009	.0213	-.0001	.0012
#2	-.0001	-.0103	-.0598	.0055	-.0002	-.0009	.0268	-.0002	.0002
#3	-.0004	-.0114	-.0421	-.0349	-.0002	-.0009	.0157	.0001	-.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0008	-.0029	.0006	-.0008	-.0003	-.0007	.0006	-.0001	-.0004
Stddev	.0007	.0012	.0002	.0003	.0001	.0001	.0004	.0002	.0001
%RSD	86.21	41.92	37.78	31.76	32.38	11.02	69.84	171.5	21.93
#1	-.0011	-.0017	.0009	-.0005	-.0002	-.0006	.0004	.0000	-.0003
#2	-.0014	-.0041	.0004	-.0009	-.0003	-.0007	.0003	-.0004	-.0003
#3	.0000	-.0029	.0006	-.0010	-.0002	-.0006	.0011	.0000	-.0005
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: DI CHECK Acquired: 5/6/2016 14:03:19 Type: QC
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2901.0	5422.5	42660.	3752.7
Stddev	8.6	8.9	179.	12.0
%RSD	.29576	.16470	.41848	.31912
#1	2909.4	5431.8	42782.	3765.8
#2	2892.2	5414.0	42743.	3750.2
#3	2901.5	5421.6	42455.	3742.2

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Sample Name: MP30325-MB1 Acquired: 5/6/2016 14:07:52 Type: QC
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	F .1015	F -.0053	-.0003	-.0010	.0636	-.0004	-.0004
Stddev	.0007	.0168	.0016	.0034	.0005	.0186	.002	.0001
%RSD	630.3	16.58	30.11	1013.	48.79	29.31	61.25	39.56
#1	-.0001	.1208	-.0069	.0010	-.0016	.0598	-.0001	-.0003
#2	.0009	.0939	-.0037	.0022	-.0007	.0838	-.0006	-.0002
#3	-.0005	.0898	-.0052	-.0042	-.0007	.0471	-.0005	-.0005
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.1000	.0050					
Low Limit		-.1000	-.0050					
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0005	F 1.496	.1159	-.0856	F .0078	-.0039	.1800
Stddev	.000	.0012	.029	.0090	.0462	.0002	.0003	.0262
%RSD	775.1	242.5	1.943	7.803	53.93	2.962	6.745	14.54
#1	.0001	-.0013	1.470	.1214	-.1297	.0081	-.0036	.1498
#2	-.0004	.0009	1.490	.1055	-.0376	.0077	-.0039	.1954
#3	.0002	-.0011	1.527	.1209	-.0896	.0076	-.0041	.1948
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			.1500			.0075		
Low Limit			-.1500			-.0075		
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	-.0004	F .0039	.0024	.0264	F .0532	-.0006	.0000
Stddev	.0007	.0012	.0045	.0084	.0025	.0006	.0001	.001
%RSD	65.40	273.7	117.1	351.2	9.609	1.144	18.50	4395.
#1	.0019	.0002	.0085	.0075	.0250	.0526	-.0006	-.0007
#2	.0012	.0003	-.0005	-.0073	.0248	.0538	-.0008	-.0007
#3	.0004	-.0018	.0036	.0069	.0293	.0531	-.0006	-.0001
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
High Limit			.0025			.0250		
Low Limit			-.0025			-.0250		

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Sample Name: MP30325-MB1 Acquired: 5/6/2016 14:07:52 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	F -0.0056	-0.0007	F 0.0332
Stddev	.0024	.0002	.0003
%RSD	42.88	31.57	8.712

#1	-0.0043	-0.0007	0.0330
#2	-0.0083	-0.0009	0.0335
#3	-0.0041	-0.0004	0.0331

Check ?	Chk Fail	Chk Pass	Chk Fail
High Limit	.0050		.0100
Low Limit	-0.0050		-0.0100

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2812.9	5394.9	42619.	3632.6
Stddev	4.0	1.6	351.	32.7
%RSD	.14219	.02960	.82258	.90052

#1	2813.1	5394.6	42215.	3640.4
#2	2808.8	5396.7	42802.	3660.7
#3	2816.8	5393.5	42840.	3596.7

Sample Name: MP30325-B1 Acquired: 5/6/2016 14:12:24 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0472	27.44	1.896	2.076	0.0509	27.00	0.0502	5.180	2.066
Stddev	.0034	.11	.003	.013	.0005	.27	.0003	.0009	.0004
%RSD	7.180	.3874	.1296	.6021	.9758	.9910	.6378	.1753	.2029

#1	.0484	27.32	1.895	2.062	.0503	26.71	.0500	.5180	.2064
#2	.0434	27.47	1.899	2.081	.0511	27.24	.0500	.5171	.2063
#3	.0499	27.53	1.894	2.085	.0512	27.04	.0506	.5190	.2071

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.635	27.07	25.52	26.08	5.286	4.850	24.72	5.153	4.873
Stddev	.0005	.21	.30	.21	.0017	.0010	.06	.0010	.0046
%RSD	.1814	.7722	1.161	.8086	.3255	.2091	.2479	.2025	.9453

#1	.2637	26.83	25.18	25.89	.5306	4.852	24.67	.5165	.4874
#2	.2629	27.14	25.64	26.31	.5273	4.859	24.79	.5146	.4827
#3	.2639	27.23	25.73	26.05	.5281	4.839	24.72	.5148	.4919

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.873	1.944	0.0606	5.788	4.844	4.993	1.983	4.752	5.551
Stddev	.0054	.002	.0071	.0015	.0006	.0017	.008	.0006	.0004
%RSD	1.118	.0762	11.65	.2585	.1201	.3428	.3847	.1255	.0708

#1	.4813	1.943	.0670	.5805	.4846	4.999	1.990	.4756	.5555
#2	.4919	1.945	.0619	.5779	.4848	4.974	1.975	.4745	.5548
#3	.4887	1.945	.0530	.5779	.4837	5.007	1.985	.4755	.5550

Check ?	Chk Pass	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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Sample Name: MP30325-B1 Acquired: 5/6/2016 14:12:24 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2704.5	5332.7	42112.	3651.1
Stddev	6.7	5.1	135.	16.9
%RSD	.24922	.09563	.32071	.46306

#1	2709.7	5326.9	41958.	3666.9
#2	2706.9	5335.4	42210.	3633.3
#3	2696.9	5336.0	42167.	3653.0

Sample Name: CCV Acquired: 5/6/2016 14:16:43 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.610	41.58	1.982	2.107	2.041	42.85	2.033	2.043	2.039
Stddev	.0011	.14	.006	.004	.005	.28	.003	.002	.004
%RSD	.4184	.3258	.3099	.1860	.2306	.6646	.1308	.0734	.1968

#1	.2599	41.43	1.988	2.103	2.035	42.52	2.036	2.045	2.038
#2	.2609	41.70	1.982	2.108	2.044	43.02	2.032	2.043	2.036
#3	.2621	41.60	1.976	2.110	2.042	43.01	2.031	2.042	2.044

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.071	40.11	42.46	42.17	2.026	2.021	40.66	2.008	2.025
Stddev	.002	.15	.15	.36	.007	.003	.08	.005	.005
%RSD	.0879	.3812	.3522	.8611	.3638	.1259	.1885	.2460	.2531

#1	2.073	39.93	42.29	41.75	2.027	2.024	40.58	2.012	2.030
#2	2.069	40.20	42.51	42.35	2.018	2.019	40.71	2.008	2.021
#3	2.072	40.20	42.58	42.41	2.033	2.019	40.71	2.003	2.023

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.993	2.027	1.559	2.081	2.018	2.007	2.030	2.005	2.002
Stddev	.004	.005	.004	.004	.000	.004	.008	.002	.004
%RSD	.2036	.2420	.2335	.1874	.0201	.2115	.3925	.0996	.2149

#1	1.997	2.031	1.562	2.079	2.018	2.007	2.028	2.007	2.006
#2	1.989	2.021	1.555	2.078	2.018	2.002	2.039	2.005	1.999
#3	1.992	2.028	1.560	2.085	2.019	2.010	2.023	2.003	1.999

Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Sample Name: CCV Acquired: 5/6/2016 14:16:43 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2423.6	5119.0	4058.1	3628.8
Stddev	2.7	3.1	137.	35.0
%RSD	.11020	.06062	.33848	.96499
#1	2420.7	5115.8	40627.	3669.3
#2	2426.0	5122.0	40690.	3607.9
#3	2424.0	5119.1	40427.	3609.4

Sample Name: CCB Acquired: 5/6/2016 14:20:53 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.001	.0095	.0000	-0.002	.0003	.0073	.0001	.0001	.0003
Stddev	.0001	.0045	.000	.0005	.0001	.0045	.0000	.0000	.0001
%RSD	185.0	47.67	109.8	262.2	24.16	60.97	39.15	23.39	23.46
#1	-0.002	.0092	-0.001	.0003	.0003	.0122	.0001	.0001	.0003
#2	.0000	.0052	.0000	-0.003	.0003	.0035	.0001	.0001	.0002
#3	.0000	.0142	.0000	-0.006	.0002	.0062	.0001	.0001	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-0.004	.0111	-0.202	-0.236	.0001	.0006	.0282	.0000	.0008
Stddev	.0001	.0033	.0341	.0234	.0000	.0003	.0094	.000	.0002
%RSD	40.26	29.93	169.0	98.94	35.44	49.32	33.34	1059.	28.04
#1	-0.003	.0142	.0024	.0012	.0002	.0009	.0388	.0001	.0007
#2	-0.005	.0116	-0.036	-0.270	.0002	.0005	.0248	-0.001	.0010
#3	-0.002	.0076	-0.0594	-0.451	.0001	.0004	.0210	.0000	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0016	.0009	.0021	.0002	.0001	.0006	.0002	.0001	.0004
Stddev	.0002	.0005	.0000	.0003	.0001	.0002	.0004	.0001	.0000
%RSD	14.70	59.58	1.067	127.8	90.18	25.87	240.7	95.61	6.629
#1	.0018	.0003	.0022	.0000	.0001	.0008	.0002	.0000	.0004
#2	.0017	.0014	.0021	.0001	.0001	.0005	.0006	.0000	.0003
#3	.0014	.0010	.0022	.0005	.0000	.0006	-.0002	.0001	.0004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.2
7

Sample Name: CCB Acquired: 5/6/2016 14:20:53 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2824.9	5399.3	42697.	3687.2
Stddev	5.7	11.6	114.	29.2
%RSD	.20021	.21411	.26760	.79259
#1	2824.6	5405.5	42806.	3698.6
#2	2830.7	5406.4	42705.	3653.9
#3	2819.4	5385.9	42578.	3708.9

Sample Name: FA32429-1 Acquired: 5/6/2016 14:25:26 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_3710)	Ba4554 (Y_3710)	Be3130 (Y_3600)	Ca3179 (Y_2243)	Cd2265 (Y_3710)	Co2286 (Y_2243)	Cr2677 (In2306)
Avg	-0.005	164.5	.0332	.6870	.0036	16.63	-0.026	.0253	2488
Stddev	.0002	.3	.0016	.0018	.0002	.10	.0003	.0002	.0012
%RSD	45.67	.2117	4.840	2678	5.838	5.813	11.15	.7314	4918
#1	-0.005	164.1	.0318	.6861	.0037	16.54	-.0023	.0253	2501
#2	-0.008	164.7	.0350	.6858	.0037	16.64	-.0026	.0255	2487
#3	-0.003	164.6	.0328	.6891	.0033	16.73	-.0029	.0251	2477

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.2498	162.1	13.99	13.95	1.048	.0088	2.387	.1105	.8011
Stddev	.0018	.0	.05	.26	.004	.0005	.041	.0013	.0025
%RSD	.7179	.0301	.3898	1.852	.3423	5.792	1.716	1.185	.3143
#1	.2483	162.0	13.93	14.25	1.048	.0082	2.383	.1090	.7984
#2	.2518	162.1	14.01	13.78	1.052	.0089	2.348	.1110	.8033
#3	.2494	162.0	14.04	13.82	1.045	.0092	2.430	.1114	.8015

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.0063	-0.0077	10.69	.0478	.2673	5.582	-0.0087	.4088	.1758
Stddev	.0025	.0061	.01	.0017	.0009	.012	.0037	.0026	.0007
%RSD	39.25	78.98	.1288	3.507	.3460	.2107	42.23	.6242	.4238
#1	.0045	-.0093	10.69	.0484	.2673	5.582	-.0092	.4112	.1750
#2	.0091	-.0010	10.68	.0491	.2682	5.594	-.0048	.4092	.1765
#3	.0052	-.0129	10.71	.0459	.2664	5.570	-.0121	.4061	.1758

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2728.7	5426.3	42098.	3590.2
Stddev	8.7	6.8	135.	13.3
%RSD	.32062	.12601	.32046	.37148
#1	2724.4	5418.5	41955.	3604.2
#2	2723.0	5429.3	42222.	3577.7
#3	2738.8	5431.2	42117.	3588.7

Sample Name: MP30325-D1 Acquired: 5/6/2016 14:29:48 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0011	189.4	.0370	.7605	.0037	18.69	-.0027	.0298	.2846
Stddev	.0016	.2	.0013	.0009	.0002	.10	.0001	.0003	.0020
%RSD	139.4	.1285	3.394	.1217	4.474	.5584	2.911	1.114	.7122
#1	.0006	189.6	.0366	.7615	.0036	18.79	-.0028	.0300	.2824
#2	-.0001	189.2	.0360	.7596	.0039	18.69	-.0028	.0301	.2864
#3	.0029	189.2	.0384	.7603	.0037	18.58	-.0026	.0295	.2849
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2776	181.3	15.45	15.75	1.168	.0087	2.458	1.295	.9495
Stddev	.0001	.3	.13	.13	.008	.0004	.028	.0011	.0069
%RSD	.0255	.1655	.8453	.7993	.6601	5.116	1.127	.8498	.7248
#1	.2775	181.2	15.31	15.77	1.159	.0093	2.477	1.287	.9464
#2	.2776	181.7	15.56	15.86	1.174	.0085	2.470	1.307	.9574
#3	.2776	181.1	15.48	15.61	1.169	.0085	2.426	1.290	.9447
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0045	-.0023	8.220	.0532	.2947	6.036	-.0068	.4598	.2103
Stddev	.0047	.0051	.019	.0008	.0004	.024	.0016	.0038	.0007
%RSD	103.3	219.1	.2359	1.469	1.370	.3911	23.85	.8204	.3118
#1	-.0005	-.0082	8.198	.0528	.2951	6.009	-.0076	.4563	.2102
#2	.0087	.0001	8.231	.0540	.2947	6.048	-.0050	.4591	.2096
#3	.0054	.0011	8.231	.0526	.2943	6.051	-.0079	.4638	.2110
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2702.0	5422.2	4242.7	3647.8					
Stddev	5.5	12.8	123.	17.4					
%RSD	.20450	.23532	.28965	.47805					
#1	2708.4	5434.3	4255.6	3645.2					
#2	2699.4	5423.4	4231.1	3631.8					
#3	2698.3	5408.9	4241.3	3666.4					

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Sample Name: MP30325-D2 Acquired: 5/6/2016 14:34:09 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0006	169.6	.0271	.7068	.0031	17.07	-.0027	.0265	.2472
Stddev	.0009	.4	.0014	.0048	.0002	.06	.0006	.0004	.0017
%RSD	139.6	.2193	5.166	.6852	6.789	.3302	20.59	1.662	.6841
#1	.0007	170.0	.0284	.7054	.0030	17.08	-.0033	.0260	.2467
#2	-.0003	169.6	.0275	.7028	.0029	17.11	-.0023	.0268	.2458
#3	.0014	169.2	.0256	.7122	.0033	17.00	-.0025	.0268	.2491
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2507	165.9	14.37	14.21	1.055	.0070	2.243	1.132	.8602
Stddev	.0011	.4	.12	.15	.003	.0001	.032	.0007	.0048
%RSD	.4299	.2325	.8054	1.078	.3118	.9264	1.416	.6520	.5616
#1	.2494	165.8	14.50	14.38	1.053	.0071	2.267	1.140	.8640
#2	.2512	166.3	14.31	14.10	1.055	.0070	2.255	1.126	.8548
#3	.2514	165.6	14.29	14.14	1.059	.0070	2.207	1.129	.8619
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0004	-.0057	7.988	.0485	.2691	5.424	-.0054	.4196	.1796
Stddev	.0066	.0069	.011	.0020	.0013	.007	.0068	.0024	.0006
%RSD	187.4	120.8	.1339	4.218	.4701	.1380	126.8	.5785	.3165
#1	-.0063	.0014	7.979	.0468	.2677	5.417	-.0109	.4169	.1799
#2	.0069	-.0124	7.985	.0508	.2701	5.423	-.0074	.4217	.1789
#3	.0004	-.0062	8.000	.0478	.2697	5.432	.0022	.4202	.1799
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2695.6	5409.2	4246.5	3679.3					
Stddev	1.5	6.1	62.	7.3					
%RSD	.05489	.11273	.14620	.19762					
#1	2693.9	5405.4	42500.	3673.8					
#2	2696.2	5406.0	42502.	3676.5					
#3	2696.7	5416.3	42394.	3687.5					

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Sample Name: MP30325-SD1 Acquired: 5/6/2016 14:38:30 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0011	211.3	.0195	.9388	.0002	17.58	-.0044	.0303	.2880
Stddev	.0039	.5	.0133	.0090	.0007	.14	.0004	.0040	.0103
%RSD	342.6	.2424	67.97	.9611	466.1	.8153	8.840	13.25	3.568
#1	.0055	211.7	.0044	.9398	.0009	17.73	-.0046	.0261	.2792
#2	-.0019	210.7	.0251	.9293	-.0004	17.54	-.0046	.0308	.2856
#3	-.0002	211.4	.0290	.9472	.0000	17.46	-.0039	.0341	.2993
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2405	170.7	21.47	14.95	1.097	-.0109	7.922	1.450	.8364
Stddev	.0028	.3	.63	.15	.005	.0017	.245	.0055	.0067
%RSD	1.171	.1730	2.930	1.020	.4858	15.98	3.097	3.818	.7975
#1	.2377	171.1	21.16	15.13	1.093	-.0108	8.177	1.388	.8344
#2	.2434	170.6	22.20	14.85	1.095	-.0092	7.688	1.493	.8310
#3	.2404	170.5	21.06	14.89	1.103	-.0127	7.901	1.470	.8439
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0207	-.0270	95.30	.0375	.2973	7.818	-.0405	.4300	.3158
Stddev	.0302	.0101	.38	.0106	.0038	.208	.0075	.0073	.0034
%RSD	145.7	37.49	.3982	28.22	1.282	2.659	18.58	1.696	1.069
#1	.0111	-.0213	95.74	.0434	.3008	7.578	-.0490	.4222	.3120
#2	-.0035	-.0387	95.06	.0438	.2932	7.947	-.0379	.4311	.3186
#3	.0545	-.0211	95.11	.0253	.2979	7.930	-.0347	.4367	.3167
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2805.9	5467.1	4362.5	3755.2					
Stddev	15.2	24.5	19.	13.6					
%RSD	.54168	.44745	.43744	.36183					
#1	2823.1	5495.0	4360.6	3739.6					
#2	2800.7	5456.5	4362.3	3761.9					
#3	2794.1	5449.7	4364.4	3764.3					

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Sample Name: MP30325-PS1 Acquired: 5/6/2016 14:42:55 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0504	176.7	1.134	1.005	.0570	23.34	.0496	.0803	.3187
Stddev	.0018	.7	.0051	.004	.0005	.12	.0004	.0006	.0013
%RSD	3.479	.3945	3.892	4.044	.9527	.5160	.8044	.7318	.4031
#1	.0515	177.5	.1372	1.010	.0576	23.47	.0500	.0806	.3178
#2	.0513	176.3	.1296	1.002	.0566	23.28	.0492	.0806	.3181
#3	.0484	176.2	.1274	1.004	.0567	23.25	.0496	.0796	.3202
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3748	174.4	25.25	20.26	1.164	1.088	12.71	2.204	.9075
Stddev	.0007	.4	.08	.26	.006	.0007	.03	.0017	.0013
%RSD	.1769	.2336	.3018	1.301	.5266				

Sample Name: MP30325-S1 Acquired: 5/6/2016 14:47:16 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0463	216.0	1.842	2.754	.0561	43.92	.0471	.5366	4614
Stddev	.0020	.5	.005	.013	.0003	.09	.0002	.0007	.0017
%RSD	4.303	.2289	.2730	.4547	.5303	.2140	.3793	.1293	.3602
#1	.0443	215.6	1.838	2.742	.0562	43.97	.0469	.5358	4618
#2	.0462	216.5	1.840	2.767	.0564	43.81	.0470	.5371	4628
#3	.0483	215.9	1.848	2.755	.0558	43.98	.0473	.5369	4596
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5066	186.4	39.07	40.50	1.531	45.62	27.35	6.351	1.323
Stddev	.0019	.2	.28	.23	.003	.0015	.13	.0012	.005
%RSD	.3774	.0814	.7056	.5627	.1796	.3262	.4634	.1851	.3931
#1	.5081	186.3	38.85	40.23	1.530	45.46	27.22	6.350	1.319
#2	.5045	186.6	39.38	40.61	1.528	45.66	27.47	6.339	1.329
#3	.5073	186.4	38.99	40.65	1.533	45.75	27.35	6.363	1.321
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1514	1.866	7.033	.5483	.7516	5.101	1.971	.8716	.6771
Stddev	.0011	.015	.004	.0008	.0037	.009	.003	.0016	.0025
%RSD	.7167	.8043	.0576	.1515	.4892	.1850	.1667	.1830	.3693
#1	.1510	1.849	7.029	.5481	.7527	5.093	1.968	.8727	.6775
#2	.1506	1.874	7.037	.5476	.7546	5.099	1.971	.8724	.6794
#3	.1526	1.876	7.032	.5492	.7475	5.112	1.974	.8698	.6744
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2667.2	5414.2	41884.	3608.6					
Stddev	3.8	9.5	29.	14.0					
%RSD	.14315	.17481	.06946	.38676					
#1	2669.5	5423.7	41871.	3593.5					
#2	2662.8	5404.8	41917.	3621.0					
#3	2669.3	5414.1	41863.	3611.2					

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Sample Name: MP30325-S2 Acquired: 5/6/2016 14:51:34 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0511	230.9	1.943	2.937	.0587	46.96	.0498	.5674	4933
Stddev	.0009	.9	.013	.018	.0003	.16	.0001	.0012	.0014
%RSD	1.807	.3929	.6839	.6071	.5839	.3314	.1963	.2043	.2771
#1	.0515	232.0	1.931	2.957	.0586	47.11	.0497	.5667	4927
#2	.0518	230.2	1.940	2.929	.0591	46.80	.0498	.5669	4923
#3	.0501	230.6	1.957	2.924	.0584	46.97	.0498	.5688	4949
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5386	198.4	41.39	43.00	1.624	48.47	28.53	6.672	1.376
Stddev	.0043	.3	.13	.08	.009	.0007	.07	.0026	.005
%RSD	.8010	.1581	.3218	.1765	.5242	.1345	.2481	.3962	.4019
#1	.5342	198.6	41.45	43.07	1.622	48.53	28.58	6.669	1.371
#2	.5389	198.1	41.48	42.99	1.616	48.40	28.55	6.648	1.376
#3	.5428	198.5	41.23	42.92	1.633	48.47	28.45	6.700	1.382
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1771	2.010	10.14	.5776	.7931	5.741	2.080	.9246	.7080
Stddev	.0023	.004	.02	.0011	.0043	.019	.005	.0034	.0021
%RSD	1.294	.1793	.1634	.1879	.5430	.3349	.2227	.3628	.2923
#1	.1795	2.014	10.15	.5778	.7956	5.729	2.078	.9234	.7056
#2	.1749	2.006	10.12	.5786	.7956	5.731	2.077	.9221	.7090
#3	.1771	2.011	10.15	.5764	.7881	5.764	2.086	.9284	.7093
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2634.8	5381.9	42017.	3645.6					
Stddev	4.7	7.6	104.	17.6					
%RSD	.17910	.14121	.24669	.48229					
#1	2640.0	5385.2	42073.	3626.2					
#2	2633.5	5387.2	42080.	3660.4					
#3	2630.8	5373.2	41897.	3650.4					

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Sample Name: FA32429-4 Acquired: 5/6/2016 14:55:52 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0017	240.5	.0395	3.013	.0064	99.31	-.0005	.0555	.3702
Stddev	.0006	1.1	.0026	.017	.0003	.03	.0003	.0008	.0010
%RSD	36.48	.4531	6.623	.5741	4.791	.0330	58.87	1.417	.2809
#1	.0012	240.8	.0419	3.018	.0065	99.35	-.0008	.0561	.3704
#2	.0024	239.3	.0367	2.994	.0060	99.31	-.0004	.0547	.3691
#3	.0015	241.4	.0401	3.028	.0066	99.28	-.0002	.0558	.3711
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5419	237.9	20.19	21.19	5.862	.0075	2.272	18.73	4.242
Stddev	.0009	.8	.34	.13	.004	.0003	.032	.0008	.014
%RSD	.1638	.3430	1.684	.6355	.0653	4.195	1.392	.4033	.3213
#1	.5412	237.8	20.30	21.11	5.864	.0078	2.248	.1875	4.226
#2	.5416	237.1	19.81	21.11	5.864	.0073	2.308	.1865	4.251
#3	.5429	238.8	20.46	21.35	5.857	.0073	2.260	.1880	4.247
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0154	.0010	9.037	.0527	1.286	6.249	-.0042	.5598	4.244
Stddev	.0024	.0026	.016	.0009	.006	.003	.0044	.0017	.0005
%RSD	15.61	249.9	.1755	1.776	.5024	.0405	105.4	.3099	.1185
#1	.0148	.0008	9.048	.0519	1.283	6.246	-.0047	.5610	4.241
#2	.0181	.0040	9.019	.0526	1.283	6.249	-.0082	.5578	4.241
#3	.0134	.0000	9.045	.0537	1.294	6.251	.0005	.5605	4.250
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2669.7	5433.7	42319.	3664.9					
Stddev	8.5	8.5	81.	6.3					
%RSD	.31993	.15579	.19061	.17293					
#1	2679.5	5441.9	42227.	3661.5					
#2	2665.7	5434.1	42379.	3672.2					
#3	2663.8	5425.0	42350.	3661.1					

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Sample Name: FA32429-7 Acquired: 5/6/2016 15:00:12 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0011	161.2	.0382	1.171	.0046	33.81	-.0012	.0553	.3371
Stddev	.0019	.8	.0020	.005	.0004	.25	.0002	.0001	.0008
%RSD	174.7	.5174	5.265	4.067	7.929	.7349	13.68	.2398	.2420
#1	.0018	161.9	.0383	1.175	.0042	34.08	-.0013	.0552	.3362
#2	-.0011	160.3	.0401	1.166	.0048	33.58	-.0010	.0554	.3374
#3	.0025	161.3	.0361	1.173	.0049	33.78	-.0013	.0554	.3377
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5465	176.1	21.90	19.26	3.357	.0027	1.816	14.38	4.241
Stddev	.0027	.8	.14	.14	.009	.0012	.034	.0008	.012
%RSD	.5008	.4570	.6552	.7365	.2594	45.03	1.868	.5306	.2853
#1	.5434	177.0	22.06	19.35	3.362				

Sample Name: FA32429-8 Acquired: 5/6/2016 15:04:34 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0027	157.4	.0376	1.147	.0043	33.54	-.0018	.0537	.3232
Stddev	.0014	.5	.0029	.002	.0004	.14	.0002	.0005	.0016
%RSD	50.70	.3144	7.789	.2004	10.16	.4296	9.958	.9413	.4909
#1	.0041	157.0	.0343	1.145	.0041	33.38	-.0016	.0542	.3221
#2	.0013	158.0	.0389	1.149	.0049	33.67	-.0018	.0537	.3250
#3	.0027	157.3	.0397	1.147	.0041	33.57	-.0019	.0531	.3226
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4979	170.7	21.66	18.83	3.340	.0034	1.807	.1411	2.911
Stddev	.0001	.6	.35	.17	.012	.0003	.001	.0009	.011
%RSD	.0265	.3786	1.624	.9043	.3442	8.356	.0435	.6260	.3835
#1	.4979	170.1	21.32	18.65	3.340	.0037	1.807	.1414	2.911
#2	.4978	171.4	22.02	18.98	3.351	.0032	1.806	.1417	2.899
#3	.4980	170.7	21.64	18.86	3.328	.0034	1.807	.1400	2.922
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0118	-.0046	8.659	.0468	.5031	4.976	-.0026	.3640	.3393
Stddev	.0031	.0045	.016	.0005	.0020	.014	.0035	.0010	.0005
%RSD	26.64	98.12	1.793	1.042	.3926	.2846	133.4	.2797	.1570
#1	.0140	-.0027	8.642	.0470	.5015	4.979	-.0012	.3634	.3394
#2	.0132	-.0013	8.662	.0472	.5053	4.988	-.0066	.3652	.3387
#3	.0082	-.0097	8.673	.0463	.5025	4.960	-.0001	.3634	.3398
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2707.5	5462.0	42511.	3625.1					
Stddev	7.4	5.2	75.	15.8					
%RSD	.27150	.09463	.17623	.43561					
#1	2704.7	5459.4	42463.	3639.6					
#2	2715.8	5468.0	42472.	3608.3					
#3	2701.9	5458.7	42597.	3627.5					

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Sample Name: CCV Acquired: 5/6/2016 15:08:54 Type: QC
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2613	41.72	1.962	2.112	2.034	43.29	2.022	2.040	2.050
Stddev	.0005	.09	.006	.002	.006	.14	.004	.003	.005
%RSD	.1803	.2184	.3336	.1082	.2811	.3242	.2137	.1615	.2331
#1	.2608	41.75	1.958	2.112	2.028	43.39	2.019	2.038	2.048
#2	.2616	41.78	1.959	2.114	2.039	43.13	2.020	2.038	2.046
#3	.2616	41.61	1.970	2.110	2.034	43.34	2.027	2.044	2.055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.081	40.24	42.64	42.62	2.028	2.020	40.51	1.988	2.019
Stddev	.006	.10	.05	.06	.001	.005	.10	.005	.004
%RSD	.2906	.2535	.1059	.1504	.0295	.2685	.2492	.2636	.1810
#1	2.086	40.27	42.66	42.70	2.027	2.017	40.44	1.984	2.015
#2	2.082	40.33	42.67	42.58	2.028	2.018	40.63	1.986	2.022
#3	2.074	40.13	42.59	42.80	2.027	2.027	40.46	1.994	2.020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.972	2.011	1.545	2.080	2.003	2.003	2.016	1.996	1.980
Stddev	.008	.008	.003	.002	.005	.001	.006	.003	.004
%RSD	.4026	.3802	.2034	.1023	.2286	.0545	.3093	.1456	.1770
#1	1.966	2.002	1.542	2.078	2.000	2.002	2.021	1.996	1.977
#2	1.969	2.013	1.543	2.079	2.008	2.004	2.019	1.992	1.979
#3	1.981	2.017	1.548	2.082	2.002	2.002	2.009	1.998	1.984
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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7.2
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Sample Name: CCV Acquired: 5/6/2016 15:08:54 Type: QC
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2426.9	5153.6	40669.	3610.5
Stddev	1.5	12.4	22.	17.3
%RSD	.06242	.23975	.05460	.47975
#1	2426.2	5155.9	40688.	3590.5
#2	2428.7	5164.7	40674.	3621.1
#3	2425.9	5140.3	40644.	3619.9

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Sample Name: CCB Acquired: 5/6/2016 15:13:05 Type: QC
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0043	.0002	-.0003	.0001	.0075	.0001	.0001	.0003
Stddev	.0004	.0076	.0011	.0001	.0000	.0015	.0000	.0000	.0001
%RSD	272.6	174.5	495.7	30.13	14.24	20.07	21.52	13.06	33.05
#1	-.0006	.0112	.0014	-.0003	.0001	.0087	.0001	.0001	.0002
#2	.0001	.0055	-.0007	-.0004	.0001	.0058	.0002	.0001	.0002
#3	.0001	-.0037	-.0001	-.0002	.0001	.0079	.0001	.0001	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	.0095	-.0132	-.0240	.0001	.0003	.0015	.0000	-.0001
Stddev	.0000	.0017	.0145	.0158	.0000	.0003	.0061	.0000	.0002
%RSD	8.403	17.80	109.8	65.80	13.23	92.03	414.5	77.57	206.1
#1	-.0004	.0114	-.0072	-.0405	.0001	.0006	.0030	.0000	.0001
#2	-.0004	.0081	-.0298	-.0090	.0001	.0003	.0067	.0001	-.0003
#3	-.0004	.0089	-.0027	-.0226	.0001	.0000	-.0053	.0000	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	.0000	.0026	-.0001	.0000	.0003	-.0005	.0001	.0003
Stddev	.0013	.002	.0001	.0001	.0001	.0000	.0006	.0002	.0001
%RSD	74.56	4679.	2.937	75.59	226.3	12.18	107.5	133.5	29.73
#1	.0032	.0016	.0027	-.0001	.0000	.0004	-.0012	-.0001	.0002
#2	.0009	-.0011	.0025	-.0001	.0000	.0003	-.0004	.0002	.0004
#3	.0010	-.0007	.0025	.0000	.0001	.0003	.0000	.0002	.0003
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 5/6/2016 15:13:05 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2835.3	5464.0	42938.	3697.1
Stddev	3.0	2.7	177.	26.7
%RSD	.10636	.04916	.41297	.72291
#1	2837.8	5461.9	43085.	3688.2
#2	2832.0	5463.1	42989.	3675.9
#3	2836.1	5467.0	42741.	3727.1

Sample Name: FA32429-13 Acquired: 5/6/2016 15:17:38 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0035	411.7	.0841	4.977	.0155	95.31	-.0035	1.344	.6665
Stddev	.0016	.9	.0014	.016	.0003	.29	.0002	.0010	.0006
%RSD	44.64	.2227	1.707	.3165	2.140	.2995	6.715	.7483	.0971
#1	.0017	410.6	.0825	4.960	.0156	95.05	-.0038	1.333	.6665
#2	.0043	412.1	.0845	4.991	.0152	95.26	-.0035	1.353	.6672
#3	.0046	412.2	.0853	4.979	.0158	95.61	-.0033	1.345	.6659
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6092	390.0	34.20	53.47	16.60	0.054	3.984	4.158	2.167
Stddev	.0004	.2	.23	.25	.08	.0004	.020	.0023	.004
%RSD	.0614	.0570	.6756	.4627	.4855	6.682	.4906	.5449	.1723
#1	.6088	389.8	33.95	53.19	16.54	.0057	3.995	4.138	2.165
#2	.6095	390.2	34.41	53.65	16.57	.0054	3.996	4.153	2.171
#3	.6091	390.1	34.23	53.56	16.69	.0050	3.962	4.182	2.165
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0022	-.0058	7.722	.0371	1.316	12.83	.0058	1.7421	.6697
Stddev	.0061	.0108	.016	.0029	.01	.01	.0060	.0034	.0025
%RSD	271.2	186.1	.2077	7.705	.0955	.0769	102.8	.4597	.3674
#1	-.0091	.0053	7.707	.0383	1.317	12.82	.0000	.7384	.6674
#2	.0026	-.0065	7.720	.0338	1.317	12.83	.0120	.7452	.6695
#3	-.0003	-.0163	7.739	.0392	1.315	12.84	.0056	.7427	.6723
Int. Std. Avg	In2306 2637.7	Y_2243 5567.7	Y_3600 42551.	Y_3710 3638.4					
Stddev	1.0	9.7	45.	9.3					
%RSD	.03614	.17481	.10598	.25647					
#1	2637.5	5573.4	42532.	3648.3					
#2	2638.8	5573.3	42602.	3637.2					
#3	2637.0	5556.5	42517.	3629.8					

7.2
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Sample Name: FA32429-17 Acquired: 5/6/2016 15:22:08 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0017	143.3	.0189	1.480	.0025	51.55	-.0021	.0245	.1846
Stddev	.0005	.4	.0023	.001	.0004	.12	.0004	.0003	.0018
%RSD	27.67	.2575	12.17	.0915	16.33	.2281	18.12	1.314	.9838
#1	.0013	143.7	.0162	1.480	.0024	51.46	-.0026	.0241	.1834
#2	.0022	142.9	.0201	1.479	.0030	51.68	-.0019	.0245	.1837
#3	.0015	143.3	.0203	1.482	.0022	51.51	-.0020	.0247	.1867
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0693	147.9	15.56	15.14	2.429	.0059	1.892	.1122	.3962
Stddev	.0015	.5	.20	.07	.002	.0006	.004	.0006	.0040
%RSD	2.147	.3279	1.260	.4853	.0745	10.25	.2122	.5475	.9987
#1	.0710	148.4	15.33	15.15	2.427	.0065	1.894	.1127	.3919
#2	.0682	147.6	15.70	15.06	2.428	.0059	1.894	.1115	.3970
#3	.0687	147.6	15.64	15.21	2.431	.0053	1.887	.1124	.3997
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0015	-.0067	8.438	.0488	.6605	4.486	-.0036	.3664	.1735
Stddev	.0035	.0037	.004	.0008	.0028	.009	.0022	.0024	.0010
%RSD	235.1	55.01	.0492	1.663	.4174	.1918	60.33	.6592	.5622
#1	.0055	-.0079	8.434	.0486	.6637	4.480	-.0055	.3651	.1724
#2	-.0009	-.0097	8.438	.0481	.6586	4.496	-.0040	.3692	.1739
#3	-.0001	-.0026	8.442	.0497	.6593	4.483	-.0013	.3649	.1743
Int. Std. Avg	In2306 2696.3	Y_2243 5437.7	Y_3600 42257.	Y_3710 3601.9					
Stddev	9.8	8.1	53.	6.9					
%RSD	.36297	.14985	.12526	.19173					
#1	2707.5	5442.7	42284.	3598.5					
#2	2689.2	5428.3	42196.	3597.3					
#3	2692.2	5442.1	42291.	3609.8					

Sample Name: FA32429-18 Acquired: 5/6/2016 15:26:31 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0011	166.4	.0205	2.284	.0026	88.11	-.0013	.0315	.2033
Stddev	.0018	.9	.0005	.011	.0002	.85	.0002	.0001	.0014
%RSD	162.1	.5650	2.545	.4819	8.362	.9645	16.91	.4588	.6975
#1	.0019	167.2	.0200	2.295	.0027	88.76	-.0011	.0315	.2046
#2	.0024	166.5	.0210	2.285	.0028	88.42	-.0012	.0316	.2018
#3	-.0009	165.3	.0205	2.273	.0024	87.15	-.0015	.0313	.2034
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1995	159.7	18.55	18.76	3.567	.0042	2.454	1.448	1.119
Stddev	.0003	.9	.13	.15	.016	.0008	.032	.0009	.005
%RSD	.1257	.5946	.6745	.8059	.4588	18.77	1.295	.6452	.4878
#1	.1996	160.6	18.69	18.93	3.585	.0034	2.488	1.440	1.114
#2	.1993	160.0	18.45	18.88	3.562	.0049	2.452	1.459	1.120
#3	.1998	158.7	18.53	18.67	3.553	.0042	2.424	1.446	1.124
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0002	-.0007	6.695	.0524	1.075	4.578	-.0054	.3903	.2813
Stddev	.0046	.0083	.016	.0002	.004	.019	.0051	.0007	.0013
%RSD	1919.	1115.	.2408	.4061	.3307	.4106	95.72	.1825	.4519
#1	.0008	-.0082	6.705	.0522	1.077	4.596	-.0058	.3908	.2802
#2	-.0046	-.0024	6.703	.0526	1.076	4.579	-.0103	.3905	.2810
#3	.0045	-.0080	6.676	.0524	1.071	4.559	-.0001	.3895	.2827
Int. Std. Avg	In2306 2676.4	Y_2243 5443.7	Y_3600 42098.	Y_3710 3656.6					
Stddev	4.6	6.2	56.	43.0					
%RSD	.17131	.11329	.13417	1.1751					
#1	2681.7	5448.1	42035.	3613.6					
#2	2674.1	5436.7	42119.	3656.6					
#3	2673.4	5446.3	42142.	3699.6					

Sample Name: FA32429-23 Acquired: 5/6/2016 15:30:54 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0003	151.0	.0210	1.251	.0029	37.55	-0.030	.0253	.2111
Stddev	.0006	.1	.0039	.006	.0002	.10	.0001	.0009	.0010
%RSD	218.9	.0830	18.78	.5048	6.967	.2743	3.743	3.627	.4798
#1	.0010	150.8	.0204	1.249	.0027	37.55	-.0031	.0246	.2117
#2	-.0001	151.0	.0174	1.258	.0031	37.65	-.0030	.0264	.2117
#3	-.0001	151.1	.0252	1.246	.0030	37.44	-.0029	.0250	.2100
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1148	166.9	16.00	14.36	2.379	.0055	1.830	.1131	.6534
Stddev	.0011	.3	.20	.24	.012	.0007	.005	.0007	.0037
%RSD	.9192	.1602	1.220	1.680	.5221	12.27	.2696	.6086	.5609
#1	.1138	166.6	15.81	14.20	2.390	.0047	1.829	.1129	.6496
#2	.1160	166.9	15.98	14.64	2.381	.0061	1.825	.1139	.6537
#3	.1147	167.2	16.20	14.24	2.366	.0057	1.835	.1125	.6569
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-.0015	-.0116	6.849	.0491	.4890	4.984	-.0025	.3919	.1562
Stddev	.0039	.0092	.008	.0005	.0008	.003	.0024	.0026	.0009
%RSD	264.2	79.17	1.175	1.103	1.179	.0520	98.29	.6585	.6009
#1	-.0020	-.0045	6.848	.0495	.4884	4.982	-.0001	.3946	.1551
#2	-.0050	-.0083	6.858	.0493	.4900	4.987	-.0048	.3917	.1566
#3	.0026	-.0219	6.842	.0485	.4888	4.983	-.0028	.3894	.1569
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2716.7	5476.4	42338.	3588.5					
Stddev	4.0	5.5	164.	10.2					
%RSD	.14650	.09995	.38621	.28373					
#1	2712.3	5481.6	42177.	3597.2					
#2	2717.8	5470.7	42332.	3577.3					
#3	2720.0	5477.0	42504.	3590.9					

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Sample Name: FA32429-26 Acquired: 5/6/2016 15:35:16 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0013	195.8	.0166	4.072	.0049	77.58	-.0021	.0497	.2590
Stddev	.0009	.7	.0078	.023	.0006	.12	.0001	.0004	.0005
%RSD	70.79	.3610	47.37	.5563	12.60	.1548	5.894	.9026	.1812
#1	.0003	194.9	.0080	4.046	.0044	77.45	-.0020	.0493	.2594
#2	.0017	196.2	.0234	4.083	.0048	77.67	-.0022	.0502	.2591
#3	.0020	196.1	.0184	4.087	.0056	77.63	-.0020	.0498	.2585
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1162	191.7	17.23	20.80	8.029	.0047	2.492	.1632	.5119
Stddev	.0010	.7	.07	.25	.013	.0005	.011	.0009	.0025
%RSD	.8489	.3443	.4039	1.215	.1650	11.22	.4229	.5307	.4899
#1	.1161	190.9	17.29	20.75	8.024	.0043	2.498	.1633	.5094
#2	.1153	192.1	17.15	21.08	8.045	.0045	2.498	.1624	.5118
#3	.1173	192.1	17.24	20.58	8.020	.0053	2.480	.1641	.5145
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0002	-.0003	7.022	.0468	.9822	5.746	-.0029	.4567	.2173
Stddev	.0060	.0032	.019	.0020	.0044	.009	.0032	.0019	.0020
%RSD	3204.	1273.	.2660	4.175	.4442	.1637	111.3	.4203	.9279
#1	-.0067	-.0012	7.025	.0446	.9772	5.756	-.0038	.4546	.2171
#2	-.0039	-.0028	7.002	.0472	.9843	5.737	.0007	.4584	.2153
#3	.0034	.0033	7.039	.0485	.9851	5.744	-.0056	.4570	.2194
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2690.4	5475.7	42013.	3581.8					
Stddev	4.9	8.9	173.	8.7					
%RSD	.18297	.16185	.41227	.24370					
#1	2694.9	5482.2	42210.	3589.6					
#2	2691.1	5479.3	41942.	3572.4					
#3	2685.1	5465.6	41886.	3583.6					

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Sample Name: FA32429-29 Acquired: 5/6/2016 15:39:37 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0011	161.6	.0167	1.285	.0033	32.50	-.0033	.0349	.2367
Stddev	.0007	.5	.0019	.007	.0002	.22	.0002	.0002	.0000
%RSD	62.77	.3183	11.63	.5397	4.594	6.917	7.192	.6956	.0139
#1	-.0012	162.2	.0148	1.285	.0033	32.75	-.0033	.0352	.2368
#2	-.0016	161.1	.0166	1.278	.0034	32.37	-.0035	.0347	.2367
#3	-.0003	161.6	.0187	1.292	.0031	32.36	-.0030	.0350	.2367
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0405	169.1	14.55	13.29	2.670	.0074	2.107	.1093	.1150
Stddev	.0004	.9	.04	.12	.005	.0007	.054	.0007	.0033
%RSD	.9265	.5370	.2623	.9235	.1948	9.693	2.577	.6798	2.843
#1	.0406	170.2	14.52	13.40	2.673	.0073	2.163	.1092	.1160
#2	.0408	168.4	14.54	13.16	2.672	.0067	2.054	.1086	.1176
#3	.0401	168.8	14.60	13.32	2.664	.0081	2.103	.1101	.1113
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0038	-.0098	12.11	.0507	.4258	6.050	-.0005	.4161	.1414
Stddev	.0027	.0032	.03	.0009	.0013	.012	.0037	.0023	.0005
%RSD	71.51	32.24	.2501	1.861	.2974	.2038	736.0	.5515	.3212
#1	.0021	-.0115	12.14	.0517	.4267	6.059	-.0020	.4146	.1411
#2	.0024	-.0062	12.08	.0506	.4243	6.055	.0037	.4188	.1412
#3	.0070	-.0118	12.13	.0498	.4263	6.036	-.0032	.4150	.1420
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2697.6	5447.0	42498.	3633.7					
Stddev	8.0	12.7	103.	25.8					
%RSD	.29787	.23362	.24230	.70929					
#1	2704.6	5436.2	42403.	3603.9					
#2	2699.2	5461.0	42483.	3648.7					
#3	2688.8	5443.8	42608.	3648.4					

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Sample Name: FA32429-32 Acquired: 5/6/2016 15:44:01 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0012	183.5	.0400	1.252	.0046	65.16	-.0007	.0379	.2923
Stddev	.0010	1.3	.0059	.006	.0000	.58	.0002	.0004	.0014
%RSD	82.32	.7210	14.75	.5022	.8905	8.888	25.44	.9367	.4709
#1	.0023	183.9	.0347	1.259	.0045	65.31	-.0009	.0378	.2932
#2	.0008	182.0	.0389	1.247	.0046	64.51	-.0005	.0377	.2930
#3	.0005	184.6	.0464	1.251	.0045	65.64	-.0007	.0383	.2908
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1010	142.0	16.02	30.10	3.232	-.0005	2.503	.1928	.3469
Stddev	.0011	.9	.21	.15	.008	.0005	.075	.0005	.0042
%RSD	1.118	.6401	1.303	.4927	.2384	96.15	2.994	.2791	1.219
#1	.1005	142.1	15.89	30.07	3.226	-.0001	2.514	.1922	.3456
#2	.1001	141.0	15.90	29.96	3.241	-.0011	2.423	.1933	.3516
#3	.1023	142.8	16.26	30.26	3.230	-.0003	2.571	.1928	.3434
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)		

Sample Name: FA32430-1 Acquired: 5/6/2016 15:48:22 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0022	418.1	.0848	5.051	.0143	159.5	-.0021	.1146	.6005
Stddev	.0013	2.2	.0009	.013	.0002	1.0	.0004	.0008	.0003
%RSD	59.25	.5193	1.062	.2622	1.315	.6565	17.45	.7129	.0445
#1	.0038	418.6	.0855	5.047	.0141	160.3	-.0020	.1155	.6008
#2	.0015	420.0	.0852	5.066	.0144	160.0	-.0025	.1139	.6003
#3	.0014	415.8	.0838	5.040	.0144	158.3	-.0018	.1144	.6004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.9069	345.9	32.91	56.11	15.25	.0051	3.825	.4177	6.554
Stddev	.0014	1.5	.23	.53	.08	.0008	.074	.0003	.017
%RSD	.1590	.4409	.6910	.9464	.5335	15.13	1.944	.0835	.2532
#1	.9081	346.7	33.03	56.53	15.16	.0052	3.739	.4181	6.536
#2	.9073	346.9	33.06	56.29	15.29	.0043	3.873	.4176	6.558
#3	.9053	344.2	32.65	55.51	15.30	.0059	3.863	.4174	6.568
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0152	-.0043	7.572	.0424	1.999	11.72	.0013	.6528	.6968
Stddev	.0071	.0057	.009	.0011	.004	.05	.0073	.0026	.0030
%RSD	46.55	134.3	.1170	2.587	.2246	.4129	572.4	.3943	.4375
#1	.0071	-.0102	7.573	.0415	1.999	11.66	-.0062	.6503	.6942
#2	.0187	-.0037	7.563	.0420	2.004	11.75	.0017	.6554	.6960
#3	.0198	.0012	7.581	.0436	1.995	11.74	.0083	.6527	.7001
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2622.4	5498.5	42348.	3599.0					
Stddev	2.2	6.2	255.	24.5					
%RSD	.08492	.11365	.60249	.68003					
#1	2624.2	5492.8	42641.	3576.7					
#2	2619.9	5505.2	42226.	3595.2					
#3	2623.1	5497.6	42177.	3625.2					

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Sample Name: FA32430-4 Acquired: 5/6/2016 15:52:53 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0043	443.8	.0995	6.327	.0180	191.7	.0003	.1455	.7549
Stddev	.0018	1.5	.0039	.035	.0001	.7	.0007	.0005	.0042
%RSD	41.83	.3380	3.873	.5551	.3159	.3895	278.8	.3686	.5589
#1	.0053	445.5	.1009	6.352	.0180	192.6	-.0004	.1460	.7571
#2	.0022	443.2	.0951	6.287	.0180	191.3	.0001	.1456	.7576
#3	.0054	442.7	.1023	6.342	.0179	191.3	.0011	.1450	.7501
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5162	379.6	34.63	66.67	19.81	.0049	4.624	.4858	1.003
Stddev	.0045	2.1	.18	.25	.10	.0009	.059	.0026	.006
%RSD	.8794	.5604	.5203	.3822	.5288	19.35	1.281	.5373	.5784
#1	.5128	381.7	34.83	66.43	19.88	.0039	4.692	.4853	.9992
#2	.5214	379.5	34.49	66.94	19.86	.0049	4.597	.4834	1.009
#3	.5145	377.5	34.57	66.63	19.69	.0058	4.582	.4885	.9993
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0015	.0063	7.083	.0400	2.400	11.80	-.0060	.6903	.8266
Stddev	.0033	.0106	.008	.0011	.013	.02	.0029	.0004	.0031
%RSD	226.0	167.9	.1117	2.700	.5336	.2107	47.46	.0640	.3706
#1	.0018	-.0030	7.089	.0402	2.414	11.81	-.0084	.6906	.8268
#2	.0046	.0041	7.074	.0410	2.397	11.82	-.0068	.6898	.8235
#3	-.0020	.0178	7.086	.0388	2.390	11.78	-.0029	.6905	.8296
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2594.5	5519.6	42565.	3636.1					
Stddev	2.4	2.6	234.	16.6					
%RSD	.09373	.04656	.54936	.45522					
#1	2593.2	5516.6	42370.	3626.1					
#2	2597.3	5520.9	42501.	3626.9					
#3	2592.9	5521.2	42824.	3655.2					

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7.2
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Sample Name: FA32430-7 Acquired: 5/6/2016 15:57:23 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0065	468.8	.1012	7.774	.0168	255.0	.0013	1.227	.6756
Stddev	.0015	3.4	.0040	.058	.0003	2.0	.0000	.0005	.0008
%RSD	22.52	.7328	3.999	.7434	1.683	.7740	1.013	.4340	.1165
#1	.0048	472.1	.0966	7.823	.0166	256.3	.0013	1.231	.6752
#2	.0071	465.3	.1041	7.710	.0167	252.7	.0013	1.228	.6751
#3	.0076	468.9	.1029	7.788	.0171	255.9	.0013	1.221	.6765
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6762	359.4	31.28	71.29	F 41.28	.0042	4.137	.4996	3.698
Stddev	.0019	2.5	.38	.11	.14	.0003	.018	.0024	.005
%RSD	.2817	.7007	1.225	.1572	.3317	8.247	.4281	.4880	.1251
#1	.6775	362.0	31.38	71.34	41.43	.0040	4.158	.5023	3.696
#2	.6740	357.0	30.86	71.36	41.25	.0046	4.125	.4976	3.703
#3	.6771	359.1	31.61	71.16	41.16	.0040	4.129	.4990	3.695
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0046	.0128	7.823	.0488	2.813	11.57	.0111	.6272	1.098
Stddev	.0011	.0050	.013	.0007	.018	.02	.0036	.0025	.003
%RSD	23.75	39.21	.1693	1.405	.6490	.1542	32.44	.4064	.2358
#1	.0055	.0169	7.838	.0480	2.830	11.59	.0123	.6301	1.099
#2	.0048	.0143	7.818	.0494	2.794	11.56	.0140	.6252	1.100
#3	.0034	.0072	7.813	.0489	2.815	11.55	.0071	.6262	1.095
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2570.8	5463.8	42258.	3667.1					
Stddev	6.7	11.9	89.	32.4					
%RSD	.26007	.21696	.21088	.88480					
#1	2564.7	5450.2	42205.	3635.3					
#2	2569.8	5470.1	42208.	3700.2					
#3	2577.9	5471.3	42361.	3666.0					

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Sample Name: CCV Acquired: 5/6/2016 16:01:51 Type: QC
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.610	41.99	1.904	2.114	2.024	43.93	1.975	2.003	2.044
Stddev	.0014	.17	.004	.006	.009	.28	.003	.003	.010
%RSD	.5237	.4043	.2172	.2999	.4461	.6355	.1481	.1513	.5013
#1	.2596	42.03	1.899	2.116	2.022	44.01	1.979	2.007	2.050
#2	.2610	41.80	1.905	2.106	2.016	43.62	1.973	2.002	2.050
#3	.2623	42.14	1.907	2.119	2.034	44.16	1.974	2.002	2.032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.078	40.35	43.30	43.56	2.017	1.988	40.26	1.935	1.986
Stddev	.003	.21	.06	.39	.011	.001	.17	.001	.005
%RSD	.1471	.5286	.1334	.8982	.5520	.0626	.4325	.0685	.2491
#1</									

Sample Name: CCV Acquired: 5/6/2016 16:01:51 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2458.9	5254.6	4081.1	3501.6
Stddev	1.6	2.7	166.	27.7
%RSD	.06354	.05229	.40671	.79014
#1	2458.8	5252.7	40642.	3502.3
#2	2457.4	5257.7	40817.	3529.0
#3	2460.5	5253.3	40974.	3473.7

Sample Name: CCB Acquired: 5/6/2016 16:06:01 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.001	0.010	0.001	-0.001	0.001	0.069	0.001	0.000	0.003
Stddev	.0002	.0083	.0007	.0002	.0001	.0025	.0000	.0000	.0001
%RSD	363.8	843.1	1289.	300.8	76.99	37.21	17.70	86.60	32.97
#1	-0.001	-0.041	-0.006	.001	.0000	.0046	.001	.001	.003
#2	-0.002	.0106	.001	-0.001	.0001	.0096	.001	.0000	.004
#3	.0002	-0.035	.0007	-0.002	.0001	.0063	.001	.001	.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-0.006	0.061	-0.240	-0.0398	0.001	0.006	-0.016	0.002	0.003
Stddev	.0000	.0041	.0099	.0176	.0000	.0002	.0060	.0001	.0002
%RSD	6.032	67.59	41.11	44.31	17.52	38.59	381.4	40.14	57.90
#1	-0.006	.0065	-0.142	-0.364	.0002	.0009	.0052	.0002	.0003
#2	-0.006	.0099	-0.340	-0.589	.0002	.0005	-0.062	.001	.0004
#3	-0.006	.0018	-0.238	-0.241	.0001	.0004	-0.037	.002	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	0.013	-0.001	0.030	-0.002	0.000	0.004	-0.005	0.001	0.003
Stddev	.0011	.0010	.0003	.0002	.000	.0000	.0007	.0001	.0000
%RSD	81.51	729.6	9.954	86.74	448.3	12.43	139.2	124.4	7.971
#1	.0022	.0003	.0030	-0.001	-0.001	.0004	-0.008	.0002	.0003
#2	.0017	-0.013	.0027	-0.001	-0.001	.0004	-0.011	.0002	.0003
#3	.0001	.0005	.0033	-0.004	.0001	.0003	.0003	.0000	.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.2
7

Sample Name: CCB Acquired: 5/6/2016 16:06:01 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2832.7	5477.6	42684.	3592.6
Stddev	6.8	11.3	143.	16.3
%RSD	.23911	.20663	.33411	.45411
#1	2837.8	5488.8	42537.	3598.2
#2	2835.3	5477.9	42822.	3605.3
#3	2825.0	5466.2	42693.	3574.2

Sample Name: FA32430-10 Acquired: 5/6/2016 16:10:34 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_3710)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	0.053	446.2	0.871	6.535	0.155	283.0	-0.007	1.264	6.658
Stddev	.0025	1.5	.0036	.018	.0004	1.7	.0004	.0003	.0022
%RSD	46.69	.3249	4.128	.2715	2.372	6.105	51.63	2.251	.3308
#1	.0029	447.9	.0892	6.555	.0151	285.0	-0.011	1.266	.6654
#2	.0078	445.4	.0830	6.530	.0159	281.9	-0.005	1.261	.6638
#3	.0051	445.4	.0892	6.520	.0155	282.0	-0.004	1.264	.6681

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	0.5701	382.6	33.10	59.63	F 21.52	0.081	4.131	4.404	1.089
Stddev	.0021	2.1	.30	.38	.06	.0013	.031	.0008	.012
%RSD	.3737	.5440	.9138	.6334	.2801	16.01	.7603	.1717	1.102
#1	.5706	385.0	33.29	59.99	21.46	.0076	4.166	.4395	1.082
#2	.5678	381.5	33.26	59.67	21.54	.0096	4.122	.4407	1.083
#3	.5720	381.3	32.75	59.23	21.57	.0072	4.105	.4409	1.103

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	-0.013	0.029	10.49	0.451	2.302	12.03	0.044	7.089	1.534
Stddev	.0031	.0043	.01	.0015	.005	.01	.0071	.0007	.007
%RSD	250.6	150.7	.1342	3.404	.2178	.0668	163.1	.1022	.4338
#1	-0.012	.0079	10.48	.0467	2.307	12.04	-0.024	.7096	1.529
#2	-0.019	-0.001	10.49	.0449	2.301	12.03	.0118	.7088	1.532
#3	-0.044	.0009	10.50	.0436	2.297	12.02	.0037	.7082	1.542

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2558.6	5405.5	41769.	3599.6
Stddev	3.4	2.9	60.	31.6
%RSD	.13322	.05432	.14291	.87878
#1	2555.4	5402.6	41701.	3563.1
#2	2562.2	5405.3	41807.	3619.2
#3	2558.3	5408.5	41801.	3616.6

Sample Name: FA32430-11 Acquired: 5/6/2016 16:15:04 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3). Includes sub-tables for Int. Std. and additional elements like Cu3247, Fe2599, K 7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203.

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Sample Name: CRIA Acquired: 5/6/2016 16:19:34 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3). Includes sub-tables for Int. Std. and additional elements like Cu3247, Fe2599, K 7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203.

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Sample Name: ICSA Acquired: 5/6/2016 16:24:01 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3). Includes sub-tables for Int. Std. and additional elements like Cu3247, Fe2599, K 7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203.

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Sample Name: ICSAB Acquired: 5/6/2016 16:28:40 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3). Includes sub-tables for Int. Std. and additional elements like Cu3247, Fe2599, K 7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203.

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7.2

Sample Name: CCV Acquired: 5/6/2016 16:33:10 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2618	42.28	1.924	2.130	2.035	43.96	1.989	2.015	2.060
Stddev	.0010	.07	.005	.002	.004	.11	.002	.002	.006
%RSD	.3826	.1700	.2551	.0916	.1893	.2555	.0915	.1023	.3067
#1	.2625	42.20	1.918	2.131	2.030	43.92	1.987	2.014	2.064
#2	.2621	42.31	1.927	2.128	2.037	44.08	1.990	2.014	2.053
#3	.2606	42.33	1.925	2.131	2.036	43.87	1.991	2.018	2.064

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.083	40.59	43.40	43.57	2.038	1.999	40.47	1.950	1.999
Stddev	.008	.11	.09	.24	.005	.002	.04	.003	.002
%RSD	.4035	.2784	.2019	.5541	.2663	.1153	.0943	.1744	.1090
#1	2.087	40.50	43.31	43.55	2.042	1.996	40.43	1.947	1.996
#2	2.089	40.71	43.49	43.81	2.032	2.000	40.50	1.953	2.000
#3	2.074	40.54	43.41	43.33	2.040	2.001	40.49	1.950	2.000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.934	1.972	1.521	2.068	2.004	1.996	1.997	1.977	1.950
Stddev	.007	.003	.000	.003	.004	.004	.004	.005	.003
%RSD	.3436	.1375	.0243	.1463	.1856	.1841	.1963	.2686	.1622
#1	1.926	1.975	1.521	2.066	2.000	1.999	1.997	1.975	1.946
#2	1.939	1.969	1.521	2.067	2.007	1.992	1.994	1.974	1.952
#3	1.936	1.972	1.522	2.072	2.005	1.996	2.001	1.984	1.951

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 5/6/2016 16:33:10 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2429.8	5185.4	40120.	3470.4
Stddev	1.9	2.1	62.	17.4
%RSD	.07895	.04018	.15505	.50095
#1	2429.2	5183.2	40059.	3476.6
#2	2430.8	5187.4	40184.	3450.8
#3	2427.0	5185.6	40117.	3483.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.934	1.972	1.521	2.068	2.004	1.996	1.997	1.977	1.950
Stddev	.007	.003	.000	.003	.004	.004	.004	.005	.003
%RSD	.3436	.1375	.0243	.1463	.1856	.1841	.1963	.2686	.1622
#1	1.926	1.975	1.521	2.066	2.000	1.999	1.997	1.975	1.946
#2	1.939	1.969	1.521	2.067	2.007	1.992	1.994	1.974	1.952
#3	1.936	1.972	1.522	2.072	2.005	1.996	2.001	1.984	1.951

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.934	1.972	1.521	2.068	2.004	1.996	1.997	1.977	1.950
Stddev	.007	.003	.000	.003	.004	.004	.004	.005	.003
%RSD	.3436	.1375	.0243	.1463	.1856	.1841	.1963	.2686	.1622
#1	1.926	1.975	1.521	2.066	2.000	1.999	1.997	1.975	1.946
#2	1.939	1.969	1.521	2.067	2.007	1.992	1.994	1.974	1.952
#3	1.936	1.972	1.522	2.072	2.005	1.996	2.001	1.984	1.951

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 5/6/2016 16:37:22 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0195	-0.003	-0.001	.0000	.0116	.0000	.0001	.0002
Stddev	.0002	.0120	.0002	.0002	.0001	.0036	.000	.0001	.0000
%RSD	174.2	61.41	57.03	295.5	312.0	31.24	306.6	115.5	26.63
#1	-.0002	.0320	-.0001	.0001	.0001	.0145	.0000	.0001	.0002
#2	.0001	.0181	-.0002	-.0002	.0000	.0128	.0000	.0000	.0002
#3	-.0002	.0082	-.0004	-.0001	.0000	.0075	.0000	.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	.0121	-0.0071	.0037	.0000	.0005	.0316	.0000	-0.0003
Stddev	.0001	.0025	.0203	.0245	.0000	.0003	.0045	.0001	.0005
%RSD	27.89	20.68	288.2	669.2	146.3	53.58	14.17	207.2	175.9
#1	-.0003	.0134	.0154	.0099	.0000	.0009	.0357	.0001	.0003
#2	-.0006	.0137	-.0123	-.0233	.0000	.0004	.0268	.0000	-.0004
#3	-.0005	.0092	-.0242	.0244	.0000	.0004	.0322	.0000	-.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	.0005	.0020	-0.0002	.0001	.0003	-0.0012	-0.0001	.0001
Stddev	.0007	.0013	.0002	.0002	.0001	.0001	.0006	.0001	.0001
%RSD	73.46	261.2	11.53	66.80	140.1	21.24	46.97	114.9	81.52
#1	.0006	.0013	.0022	-.0001	.0002	.0004	-.0009	.0000	.0001
#2	.0019	-.0010	.0019	-.0001	.0000	.0003	-.0018	-.0003	.0002
#3	.0005	.0012	.0018	-.0004	.0001	.0004	-.0009	-.0001	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 5/6/2016 16:37:22 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2824.3	5463.5	42539.	3564.0
Stddev	3.9	7.9	69.	6.4
%RSD	.13810	.14395	.16182	.18084
#1	2819.8	5454.9	42596.	3571.2
#2	2826.3	5465.3	42463.	3561.7
#3	2826.8	5470.3	42558.	3558.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	.0005	.0020	-0.0002	.0001	.0003	-0.0012	-0.0001	.0001
Stddev	.0007	.0013	.0002	.0002	.0001	.0001	.0006	.0001	.0001
%RSD	73.46	261.2	11.53	66.80	140.1	21.24	46.97	114.9	81.52
#1	.0006	.0013	.0022	-.0001	.0002	.0004	-.0009	.0000	.0001
#2	.0019	-.0010	.0019	-.0001	.0000	.0003	-.0018	-.0003	.0002
#3	.0005	.0012	.0018	-.0004	.0001	.0004	-.0009	-.0001	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	.0005	.0020	-0.0002	.0001	.0003	-0.0012	-0.0001	.0001
Stddev	.0007	.0013	.0002	.0002	.0001	.0001	.0006	.0001	.0001
%RSD	73.46	261.2	11.53	66.80	140.1	21.24	46.97	114.9	81.52
#1	.0006	.0013	.0022	-.0001	.0002	.0004	-.0009	.0000	.0001
#2	.0019	-.0010	.0019	-.0001	.0000	.0003	-.0018	-.0003	.0002
#3	.0005	.0012	.0018	-.0004	.0001	.0004	-.0009	-.0001	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000003	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000077	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	-0.000000	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000094	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000000	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000009	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000110	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000003	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000035	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000060	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000027	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	0.000017	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000035	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	-0.000015	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000013	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	-0.000209	0.545313	0.000000	1.000000
Al 396.152 { 85}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	0.000537	0.219789	0.000000	1.000000
As 189.042 {478}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	-0.000560	0.179005	0.000000	1.000000
Ba 455.403 { 74}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	0.005406	8.286671	0.000000	1.000000
Be 313.042 {108}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	0.001826	10.944100	0.000000	1.000000
Ca 317.933 {106}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	0.006320	0.226107	0.000000	1.000000
Cd 226.502 {449}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	-0.001036	4.510727	0.000000	1.000000
Co 228.616 {447}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	-0.000468	2.455234	0.000000	1.000000
Cr 267.716 {126}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	-0.000151	0.507232	0.000000	1.000000
Cu 324.754 {104}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	0.006430	0.841307	0.000000	1.000000
Fe 259.940 {130}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	0.001944	0.154700	0.000000	1.000000
In 230.606 {446}*	5/6/2016 11:25:34	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	-0.009307	0.096949	0.000000	1.000000
Mg 279.079 {121}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	0.000049	0.024322	0.000000	1.000000
Mn 257.610 {131}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	0.000777	2.824323	0.000000	1.000000
Mo 202.030 {467}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	0.001476	1.082780	0.000000	1.000000
Na 589.592 { 57}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	-0.014808	0.427627	0.000000	1.000000
Ni 231.604 {445}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	-0.000361	1.486788	0.000000	1.000000
Pb 220.353 {453}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	0.000230	0.786821	0.000000	1.000000
Sb 206.833 {463}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	0.000573	0.245945	0.000000	1.000000
Se 196.090 {472}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	-0.000094	0.127111	0.000000	1.000000
Si 212.412 {459}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	0.004130	0.449084	0.000000	1.000000
Sn 189.989 {477}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	0.000498	0.373278	0.000000	1.000000
Sr 407.771 { 83}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	0.003428	15.547795	0.000000	1.000000
Ti 334.941 {101}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	0.002056	1.967603	0.000000	1.000000
Tl 190.856 {477}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	-0.001350	0.283335	0.000000	1.000000
V 292.402 {115}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	-0.000651	0.691672	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	0.000835	2.307658	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999996	0.000015	0.000370	0.001235	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999839	0.006366	0.008702	0.029007	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999866	0.000235	0.000791	0.002636	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999903	0.009277	0.000290	0.000968	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999971	0.006676	0.000070	0.000233	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999924	0.004485	0.003904	0.013015	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999957	0.003360	0.000049	0.000162	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999994	0.000672	0.000099	0.000331	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999971	0.000313	0.000251	0.000835	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999977	0.000458	0.000224	0.000746	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999756	0.005508	0.002916	0.009721	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999708	0.003773	0.033343	0.111144	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999864	0.000646	0.023803	0.079342	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999737	0.005217	0.000040	0.000134	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999993	0.000316	0.000132	0.000441	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999739	0.015728	0.008126	0.027088	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999977	0.000820	0.000167	0.000556	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999828	0.001179	0.000606	0.002020	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999901	0.000278	0.000922	0.003074	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999902	0.000143	0.001624	0.005415	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.986202	0.006071	0.000355	0.001185	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999899	0.000428	0.000322	0.001072	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999997	0.003201	0.000098	0.000327	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999886	0.002392	0.000098	0.000326	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999941	0.000248	0.001000	0.003334	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999978	0.000364	0.000234	0.000779	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999929	0.002210	0.000071	0.000238	OK	1.000000	0.000000	1	0

Accutest Laboratories SE Metals Digestion Log Water

DOD
M4/MS

Method of digestion(circle one): SW846-3010A / SW846-3005A / EPA 200.7 / SM3030C

MP #: 30167
 Prep Date/Time (mm/dd/yy 24:00): 3/25/16 7:44
 HotBlock I.D. S
 Thermometer I.D. 204
 Correction Factor (°C) -1
 Temperature Observed/Corrected (°C) 96, 95

Volume
 Spk. Sol. ^A Used(ml) Pipette #
 ACC 938 0.50 10
 ACC 894 0.25 10
 MET 5361 0.25 10
 Dig. Tube Lot#: J220264-201

Added ^B: HNO₃ HCL
 Lot# 1115100 4115080

Sample #	Initial Volume(ml)	pH<2	Final Volume(ml)	Comments
Method Blank(MB)	50.0	N/A	50.0	
Spike Blank(SB)		N/A		
Matrix Spike(MS)		✓		
Matrix Spike Dup(MSD)		✓		
Duplicate(DUP)		✓		
1 QC ^C FA32364-4 ^D		✓		
2 ↓ 1 1		✓		
3 ↓ 2 3		✓		
4 ↓ 6 3		✓		
5 FA32320-1 16		✓		
6 ↓ 2 ↓		✓		
7 ↓ 3 ↓		✓		
8 FA32397-1 17		✓		
9 ↓ 2 17		✓		
10 FA32408-1 12		✓		
11 ↓ 2 ↓		✓		
12 ↓ 3 ↓		✓		
13 ↓ 1F 13		✓		
14 ↓ 2F ↓		✓		
15 ↓ 3F ↓		✓		
16 FA32429-16 1		✓		
17 FA32430-16 1		✓		
18 FA32528-1F 11		✓		
19 FA32434-1 1		*		* sample rec'd
20 ↓ 2 1		*		unpreserved. DB 3/25/16
21 ^E MB2A-3/21/16 NA		✓		
22 ^E				
23 ^E			3/25/16	
24 ^E	DB			

Analyst: [Signature] Date: 3/25/16
 QC Review: [Signature] Date: 3.25.16

A Used for SB, MS, MSD
 B For reagent volumes used consult SOP MET 103, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional matrix QC
 icpwaterdigestionlog091113.xls Rev 01/20/10 DM

7.3.1
7

5g
DRYSIEVE
~~DOD (MS)~~

MP #: 30325

Method of Digestion: SW846-3050B

Prep Date/Time (mm/dd/yy 24:00): 5/6/16 8:20 Spk. Sol. ^A Volume Used(ml) Pipette #
 HotBlock I.D. 6974CECW3279 ACC 93B 1.00-0.50* 10
 Thermometer I.D. 213 ACC 924 0.500-2-* 10
 Correction Factor (°C) -1 MET S377 0.50 10
 Temperature Observed/Corrected (°C) 92.91 Filter Lot#: *6 150928009
 Balance I.D. ADVPRO3 Dig. Tube Lot# 1504103
 Added ^B: H₂O₂ HNO₃ HCL PTFE Boiling Chips
 Lot# 157487 115100

Sample #	Wt. g	Final Volume(ml)	Comments
Method Blank(MB)	5.00	100.0	
Spike Blank(SB)	5.00		
Matrix Spike(MS)	5.20		
Matrix Spike Dup(MSD)	5.16		
Duplicate(DUP)	5.10		
1 QC ^C FA32429-1 ^D	5.08		
2 D2- FA32429-1	5.06		
3	5.00		
4	5.22		
5	5.09		
6	5.10		
7	5.30		
8	5.00		
9	5.31		
10	5.24		
11	5.04		
12	5.17		
13 FA32430-1	5.03		
14	5.06		
15	5.28		
16	5.17		
17	5.03		
18			
19			
20			DB
21 ^E			
22 ^E			
23 ^E			
24 ^E			

Analyst: [Signature]

Date: 5/6/16

QC Review: [Signature]

Date: 5-6-16

- A Used for SB, MS, MSD
 - B For reagent volumes used consult SOP MET 104, current revision
 - C Parent sample used to prepare MS, MSD, DUP
 - D Bottle Number
 - E Additional Matrix QC
- icpsoidigestionlog012010.xls

Rev 01/20/10 DM

* DB 5/6/16

7.3.2
7

SGS ACCUTEST IS PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.



*e-Hardcopy 2.0
Automated Report*

Technical Report for

Kemron Environmental Services, Inc

Ft Ord; CA

07202.2001

SGS Accutest Job Number: FA32430

Sampling Date: 03/17/16

Report to:

Kemron Environmental Services, Inc
4522 Joe Lloyd Way
Monterey, CA 93944
emiddleditch@gilbaneco.com

ATTN: Eric Middleditch

Total number of pages in report: **123**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Sue Bell 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001)
DoD ELAP (L-A-B L2229), CA (2937), TX (T104704404), PA (68-03573), VA (460177),
AK, AR, GA, KY, MA, NV, OK, UT, WA

This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.
Test results relate only to samples analyzed.

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Sample Summary

Kemron Environmental Services, Inc

Job No: FA32430

Ft Ord; CA

Project No: 07202.2001

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
FA32430-1	03/17/16	08:25 KLRP	03/18/16	SO	Soil	WG-02SC0000
FA32430-4	03/17/16	09:05 KLRP	03/18/16	SO	Soil	WG-03SC0000
FA32430-7	03/17/16	08:34 KLRP	03/18/16	SO	Soil	WG-08SC0000
FA32430-10	03/17/16	09:41 KLRP	03/18/16	SO	Soil	WG-06SC0000
FA32430-11	03/17/16	09:41 KLRP	03/18/16	SO	Soil	WG-06SC0000Q
FA32430-16	03/17/16	11:09 KLRP	03/18/16	AQ	Equipment Blank	WG-ER18

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

2

Client: Kemron Environmental Services, Inc

Job No: FA32430

Site: Ft Ord; CA

Report Date: 5/9/2016 2:22:50 PM

6 Sample(s) were collected on 03/17/2016 and were received at SGS Accutest Southeast (SASE) on 03/18/2016 properly preserved, at 14.8 Deg. C and intact. These Samples received an SASE job number of FA32430. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix: AQ

Batch ID: MP30167

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA32364-4DUP, FA32364-4MS, FA32364-4MSD, FA32364-4PS, FA32364-4SDL were used as the QC samples for metals.

Matrix: SO

Batch ID: MP30325

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA32429-1DUP, FA32429-1MS, FA32429-1MSD, FA32429-1SDL, FA32429-1PS were used as the QC samples for metals.

MP30325-PS1 for Lead: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Kim Benham, Client Services (signature on file)

Date: May 9, 2016

Monday, May 09, 2016

Page 1 of 1

Summary of Hits

Job Number: FA32430
Account: Kemron Environmental Services, Inc
Project: Ft Ord; CA
Collected: 03/17/16



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA32430-1	WG-02SC0000					
Lead		130	2.0	0.40	mg/kg	SW846 6010C
FA32430-4	WG-03SC0000					
Lead		20.1	2.0	0.40	mg/kg	SW846 6010C
FA32430-7	WG-08SC0000					
Lead		70.0	1.9	0.38	mg/kg	SW846 6010C
FA32430-10	WG-06SC0000					
Lead		21.1	1.9	0.39	mg/kg	SW846 6010C
FA32430-11	WG-06SC0000Q					
Lead		24.7	2.0	0.40	mg/kg	SW846 6010C

FA32430-16 WG-ER18

No hits reported in this sample.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: WG-02SC0000	Date Sampled: 03/17/16
Lab Sample ID: FA32430-1	Date Received: 03/18/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.1
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	130	2.0	0.40	0.099	mg/kg	5	05/06/16	05/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13141

(2) Prep QC Batch: MP30325

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: WG-03SC0000	Date Sampled: 03/17/16
Lab Sample ID: FA32430-4	Date Received: 03/18/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.2
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	20.1	2.0	0.40	0.10	mg/kg	5	05/06/16	05/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13141

(2) Prep QC Batch: MP30325

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: WG-08SC0000	Date Sampled: 03/17/16
Lab Sample ID: FA32430-7	Date Received: 03/18/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.3
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	70.0	1.9	0.38	0.095	mg/kg	5	05/06/16	05/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13141

(2) Prep QC Batch: MP30325

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: WG-06SC0000	Date Sampled: 03/17/16
Lab Sample ID: FA32430-10	Date Received: 03/18/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.4
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	21.1	1.9	0.39	0.097	mg/kg	5	05/06/16	05/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13141

(2) Prep QC Batch: MP30325

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: WG-06SC0000Q	Date Sampled: 03/17/16
Lab Sample ID: FA32430-11	Date Received: 03/18/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.5
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	24.7	2.0	0.40	0.099	mg/kg	5	05/06/16	05/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13141

(2) Prep QC Batch: MP30325

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: WG-ER18	Date Sampled: 03/17/16
Lab Sample ID: FA32430-16	Date Received: 03/18/16
Matrix: AQ - Equipment Blank	Percent Solids: n/a
Project: Ft Ord; CA	

4.6
4

Total Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.0 U	5.0	2.0	1.1	ug/l	1	03/25/16	03/25/16 LM	SW846 6010C ¹	SW846 3010A ²

(1) Instrument QC Batch: MA13059

(2) Prep QC Batch: MP30167

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Misc. Forms**Custody Documents and Other Forms**

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # 1-8

KL-031716-01

FA32430



Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Analytical Test Method SW8330B - Explosives SW6010C - Lead SW8330B - Explosives by ISM SW6010C - Lead by ISM	Code Matrix
		SO SOIL WQ WATER QUALITY CONTROL MATRIX
Equipment:		Code Container/Preservative
		2 2" 1L amber, 4 degrees C 1 1" 1.0-1.5 kilogram bag 13 1" 250ml poly, with HNO3

Event ID: Basowide Range Assessment Spring 2016										
Sample ID	Matrix	Date	Time	Samp Init.				Location ID	Sample Type	Depth (ft bgs) Top - Bottom
① WG-02SC0000	SO	03/17/16	0825	KL			X	WG-02	N1	0.0 0.5
② WG-02SC0001			0840				X	WG-02		1.0 1.5 HOLD
③ WG-02SC0002			0850				X	WG-02		2.0 2.5 HOLD
④ WG-03SC0000			0905				X	WG-03		0.0 0.5
⑤ WG-03SC0001			0915				X	WG-03		1.0 1.5 HOLD
⑥ WG-03SC0002			0930	↓			X	WG-03		2.0 2.5 HOLD
⑦ WG-08SC0000			0834	RP			X	WG-08		0.0 0.5
⑧ WG-08SC0001			0848				X	WG-08		1.0 1.5 HOLD
⑨ WG-08SC0002			0900	↓			X	WG-08	↓	2.0 2.5 HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	3/17/16	1230	FEDEX	3/17/16	1230	3/17/16 FEDEX 80888917 3523
<i>[Signature]</i>	3/17/16	1230	FX			
			J. CORAL (A/R)	3-18-16	09:15	
						Received by Laboratory: (Signature, Date, Time) & condition

5.1 5

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 289-9724 EMiddleditch@GilbaneCo.com

COC #

KL-031716-02

FA32430



Project Name: Fort Ord % D V H Z L G H S D Q J H \$ V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - % 5 \$	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW8330B - Explosives SW6010C - Lead SW8330B - Explosives by ISM SW6010C - Lead by ISM	Code	Matrix
			80	SOIL
			WQ	WATER QUALITY CONTROL MATRIX
			Code	Container/Preservative
			2	2" 1L amber, 4 degrees C
			1	1" 1.0-1.5 kilogram bag
			13	1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016											
IC	Sample ID	Matrix	Date	Time	Sampl Init.				Location ID	Sample Type	Depth (ft bgs) Top - Bottom
1	WG-06SC0000	SD	03/17/16	0941	RP				WG-06	NL	0.0 0.5
2	WG-06SC0000Q			0941					WG-06	FD	0.0 0.5
3	WG-06SC0001			1011					WG-06	NL	1.0 1.5
4	WG-06SC0001Q			1011					WG-06	FD	1.0 1.5
5	WG-06SC0002			1028					WG-06	NL	2.0 2.5
6	WG-06SC0002Q			1028					WG-06	FD	2.0 2.5
7	WGER18	WQ		1109					FIELD QC	FB	NA NA
8											
9				3/17/16							

HOLD
HOLD
HOLD
HOLD

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	3/17/16	1630	FEDEX	3/17/16	1230	3/17/16 FEDEX 8088 2917 3523
<i>[Signature]</i>	3/17/16	1630	FX			
FX			J. COPAR (ALSR)	3-18-16	09:15	
						Received by Laboratory: (Signature, Date, Time) & condition

ENV COC_Record July 06, 2015

14-8

5.1
5

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA32430 CLIENT: GILBANE PROJECT: FORT OGD
 DATE/TIME RECEIVED: 3-18-16 09:15 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER DELIVERY OTHER: _____
 AIRBILL NUMBERS: 8088 8917 3523

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM _____ 5-GRAM _____
 NUMBER OF 5035 FIELD KITS ? _____
 NUMBER OF LAB FILTERED METALS ? _____

TEST STRIP LOT#s pH 0-3 204413A pH 10-12 219813A OTHER (specify) _____

SUMMARY OF COMMENTS: SOILS RECEIVED ON PLASTIC BAGS

TEMPERATURE INFORMATION

- IR THERM ID 1 CORR. FACTOR +0.2
- OBSERVED TEMPS: 14.6
- CORRECTED TEMPS: 14.8 (USED FOR LIMS)

SAMPLE INFORMATION

- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- % SOLIDS JAR NOT RECEIVED
- RESIDUAL CHLORINE PRESENT LOT# _____

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

TECHNICIAN SIGNATURE/DATE [Signature] 3-21-16 REVIEWER SIGNATURE/DATE _____

NF 11/15

receipt confirmation 111015.xls

5.1
5

0770
01000

FedEx Package
Express US Airbill

FedEx Tracking Number: 8088 8917 3523

Form No. 0215

MUR 1

17696
fedex.com 1.800.GoFedEx 1.800.463.3339
05668036

1 From Please print and press hard.

Date: 3/17/16 Sender's FedEx Account Number: _____

Sender's Name: Ken Leonard Phone: 925-250-8959

Company: Gilbane

Address: 1655 Grant Street 12th Floor
City: Concord State: CA ZIP: 94510

2 Your Internal Billing Reference
First 24 characters will appear on invoice.

3 To

Recipient's Name: SAMPLE MANAGEMENT Phone: 407-425-6700

Company: ACCUTEST LABORATORIES

Address: 4405 VINELAND RD STE C15
City: ORLANDO State: FL ZIP: 32811-5803

Use this line for the HOLD location address or for continuation of your shipping address.

City: _____ State: _____ ZIP: _____

0120193367



4 Express Package Service *To most locations. Packages up to 150 lbs. Per packages over 100 lbs, use the new FedEx Express Freight (E) label.

Next Business Day: FedEx First Overnight, FedEx Priority Overnight, FedEx Standard Overnight

2 or 3 Business Days: FedEx 2Day A.M., FedEx 2Day, FedEx Express Saver

5 Packaging *Declared value limit \$200.

FedEx Envelope* FedEx Pak* FedEx Box FedEx Tube Other

6 Special Handling and Delivery Signature Options

SATURDAY Delivery
 No Signature Required
 Direct Signature
 Indirect Signature

Does this shipment contain dangerous goods?
 No Yes (see attached Shipper's Declaration)
 Dry Ice (Dry Ice, UN 1845) _____ kg

7 Payment Bill to: _____ Enter FedEx Acct. No. or Credit Card No. below.

Sender: Acct. No. in Section 1 will be billed. Recipient Third Party Credit Card Cash/Check

FedEx Acct. No. 1823-2015-3 Exp. Date _____

Total Packages _____ Total Weight _____ Total Declared Value! _____

Your liability is limited to USD300 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and with the current FedEx Service Guide, including terms that limit our liability.

611

FA32430: Chain of Custody
Page 4 of 4

QC Evaluation: DOD QSM5 Limits

Job Number: FA32430
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 03/17/16

QC Sample ID	CAS#	Analyte	Sample Result Type	Result Type	Result	Units	Limits
MP30167 SW846 6010C							
MP30167-B1	7439-92-1	Lead	BSP	REC	101.8	%	86-113
MP30167-S1*	7439-92-1	Lead	MS	REC	103.2	%	86-113
MP30167-S2*	7439-92-1	Lead	MSD	REC	103.8	%	86-113
MP30167-S2*	7439-92-1	Lead	MSD	RPD	.6	%	20
MP30167-D1*	7439-92-1	Lead	DUP	RPD	0	%	20
MP30325 SW846 6010C							
MP30325-B1	7439-92-1	Lead	BSP	REC	97.4	%	81-112
MP30325-S1*	7439-92-1	Lead	MS	REC	99.8	%	81-112
MP30325-S2*	7439-92-1	Lead	MSD	REC	112	%	81-112
MP30325-S2*	7439-92-1	Lead	MSD	RPD	5	%	20
MP30325-D1*	7439-92-1	Lead	DUP	RPD	16.3	%	20
MP30325-D2*	7439-92-1	Lead	DUP	RPD	7.3	%	20

5.2
5

* Sample used for QC is not from job FA32430

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Accutest Instrument Runlog
Inorganics AnalysesLogin Number: FA32430
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CAFile ID: SA032516M1.ICP
Analyst: LM
Parameters: PbDate Analyzed: 03/25/16
Run ID: MA13059
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:20	MA13059-STD1	1		STDA
09:24	MA13059-STD2	1		STDB
09:29	MA13059-STD3	1		STDC
09:32	MA13059-STD4	1		STDD
09:37	MA13059-HSTD1	1		
09:43	MA13059-ICV1	1		
09:52	MA13059-ICB1	1		
09:55	MA13059-CR1A1	1		
10:02	MA13059-ICSA1	1		
10:09	MA13059-ICSAB1	1		
10:16	MA13059-CCV1	1		
10:24	MA13059-CCB1	1		
10:29	ZZZZZZ	10		
10:34	ZZZZZZ	2		
10:38	ZZZZZZ	2		
10:45	FA32283-5	10		(sample used for QC only; not part of login FA32430)
10:50	MP30160-D1	10		
10:54	MP30160-S1	10		
10:59	MP30160-S2	10		
11:03	MP30160-PS1	10		
11:08	MP30160-SD1	50		
11:12	ZZZZZZ	1		
11:17	MA13059-CCV2	1		
11:21	MA13059-CCB2	1		
11:25	ZZZZZZ	1		
11:30	ZZZZZZ	1		
11:34	ZZZZZZ	5		
11:39	MP30167-MB1	1		
11:43	MP30167-B1	1		
11:48	FA32364-4	1		(sample used for QC only; not part of login FA32430)
11:52	MP30167-D1	1		
11:57	MP30167-SD1	5		
12:01	MP30167-PS1	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32430
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032516M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 03/25/16
Run ID: MA13059
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:05	MP30167-S1	1		
12:10	MA13059-CCV3	1		
12:14	MA13059-CCB3	1		
12:18	MP30167-S2	1		
12:23	ZZZZZZ	1		
12:27	ZZZZZZ	1		
12:32	ZZZZZZ	1		
12:36	ZZZZZZ	1		
12:41	ZZZZZZ	1		
12:45	ZZZZZZ	1		
12:50	ZZZZZZ	1		
12:54	ZZZZZZ	1		
12:59	ZZZZZZ	1		
13:03	MA13059-CCV4	1		
13:08	MA13059-CCB4	1		
13:12	ZZZZZZ	1		
13:17	ZZZZZZ	1		
13:21	ZZZZZZ	1		
13:26	ZZZZZZ	1		
13:30	ZZZZZZ	1		
13:35	ZZZZZZ	1		
13:39	FA32430-16	1		
13:44	ZZZZZZ	1		
13:48	ZZZZZZ	1		
13:53	ZZZZZZ	1		
13:57	MA13059-CCV5	1		
14:02	MA13059-CCB5	1		
14:06	MP30167-MB2A	1		
----->	Last reportable sample/prep for job FA32430			
14:11	MP30169-MB1	1		
14:15	MP30169-B1	1		
14:20	FA32417-2L	1		(sample used for QC only; not part of login FA32430)
14:24	MP30169-D1	1		
14:29	MP30169-SD1	5		

6.1
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32430
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032516M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 03/25/16
Run ID: MA13059
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:34	MP30169-S1	1		
14:38	MP30169-S2	1		
14:42	MP30169-MB2	1		
14:47	MP30169-B2	1		
14:51	MA13059-CCV6	1		
14:55	MA13059-CCB6	1		
15:00	MA13059-CRIA2	1		
15:04	MA13059-ICSA2	1		
15:09	MA13059-ICSAB2	1		
15:14	MA13059-CCV7	1		
15:18	MA13059-CCB7	1		

-----> Last reportable CCB for job FA32430
Refer to raw data for calibration curve and standards.

6.1
6

INTERNAL STANDARD SUMMARY

Login Number: FA32430
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032516M1.ICP Date Analyzed: 03/25/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13059
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:20	MA13059-STD1	5304	44112	4425	2802
09:24	MA13059-STD2	5194	42835	4345	2596
09:29	MA13059-STD3	4932	41016	4252	2346
09:32	MA13059-STD4	4754	40002	4173	2178
09:37	MA13059-HSTD1	4766	40120	4189	2186
09:43	MA13059-ICV1	5013	41903	4330	2386
09:52	MA13059-ICB1	5141 R	43012 R	4313 R	2729 R
09:55	MA13059-CRIA1	5059	42035	4283	2623
10:02	MA13059-ICSA1	4539	37040	3991	2075
10:09	MA13059-ICSAB1	4518	36936	3911	2047
10:16	MA13059-CCV1	4883	40655	4145	2345
10:24	MA13059-CCB1	5186	43024	4271	2746
10:29	ZZZZZZ	5288	43961	4451	2568
10:34	ZZZZZZ	6536 !	54365 !	5586 !	2459
10:38	ZZZZZZ	6522 !	53958 !	5413 !	2485
10:45	FA32283-5	5082	41824	4236	2573
10:50	MP30160-D1	5096	41701	4250	2575
10:54	MP30160-S1	5114	42031	4239	2551
10:59	MP30160-S2	5081	41261	4170	2518
11:03	MP30160-PS1	5113	41787	4205	2554
11:08	MP30160-SD1	5175	42605	4224	2667
11:12	ZZZZZZ	4818	39691	4051	2345
11:17	MA13059-CCV2	4934	40522	4039	2315
11:21	MA13059-CCB2	5219	42760	4200	2710
11:25	ZZZZZZ	4682	38185	4010	2194
11:30	ZZZZZZ	4725	38670	4005	2278
11:34	ZZZZZZ	5264	42926	4278	2417
11:39	MP30167-MB1	5204	43286	4150	2705
11:43	MP30167-B1	5032	41210	4058	2441
11:48	FA32364-4	4958	40895	4070	2479
11:52	MP30167-D1	4908	40161	3989	2466
11:57	MP30167-SD1	5177	42782	4170	2667
12:01	MP30167-PS1	4939	40800	4056	2434

6.1.1
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INTERNAL STANDARD SUMMARY

Login Number: FA32430
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032516M1.ICP Date Analyzed: 03/25/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13059
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:05	MP30167-S1	4922	40405	4060	2348
12:10	MA13059-CCV3	5097	42127	4227	2410
12:14	MA13059-CCB3	5146	42345	4180	2705
12:18	MP30167-S2	4928	40487	4072	2348
12:23	ZZZZZZ	4954	40934	4099	2524
12:27	ZZZZZZ	4968	41241	4122	2533
12:32	ZZZZZZ	4956	41079	4111	2496
12:36	ZZZZZZ	4850	39216	4145	2261
12:41	ZZZZZZ	4754	38908	4024	2257
12:45	ZZZZZZ	4804	39234	4290	2032
12:50	ZZZZZZ	4831	39802	4028	2372
12:54	ZZZZZZ	5053	41710	4102	2541
12:59	ZZZZZZ	4812	39620	4011	2362
13:03	MA13059-CCV4	5044	41781	4163	2372
13:08	MA13059-CCB4	5245	43573	4276	2738
13:12	ZZZZZZ	5112	42198	4162	2594
13:17	ZZZZZZ	4853	40256	4098	2388
13:21	ZZZZZZ	4787	39701	3986	2351
13:26	ZZZZZZ	5090	42006	4064	2597
13:30	ZZZZZZ	4808	39858	4002	2361
13:35	ZZZZZZ	5094	42060	4140	2595
13:39	FA32430-16	5105	42118	4165	2586
13:44	ZZZZZZ	4891	40496	4085	2427
13:48	ZZZZZZ	5238	43782	4198	2734
13:53	ZZZZZZ	5186	42978	4185	2696
13:57	MA13059-CCV5	5044	41573	4161	2375
14:02	MA13059-CCB5	5229	43425	4242	2729
14:06	MP30167-MB2A	5219	43644	4212	2731
14:11	MP30169-MB1	5280	43993	4204	2762
14:15	MP30169-B1	5063	41727	4135	2469
14:20	FA32417-2L	4970	40371	4134	2453
14:24	MP30169-D1	4997	40560	4149	2454
14:29	MP30169-SD1	5207	42855	4269	2656

INTERNAL STANDARD SUMMARY

Login Number: FA32430
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032516M1.ICP Date Analyzed: 03/25/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13059
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:34	MP30169-S1	4945	40441	4114	2343
14:38	MP30169-S2	4929	40521	4148	2339
14:42	MP30169-MB2	4978	40801	4249	2470
14:47	MP30169-B2	4927	40719	4173	2346
14:51	MA13059-CCV6	5046	42039	4231	2399
14:55	MA13059-CCB6	5241	43643	4285	2765
15:00	MA13059-CRIA2	5206	43448	4375	2695
15:04	MA13059-ICSA2	4645	37886	4036	2112
15:09	MA13059-ICSAB2	4613	37704	3969	2079
15:14	MA13059-CCV7	5018	42138	4268	2381
15:18	MA13059-CCB7	5250	43790	4320	2756

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

<u>Istd#</u>	<u>Parameter</u>	<u>Limits</u>
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.1.1
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32430
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032516M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/25/16
 Run ID: MA13059

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		09:52		10:24		11:21		12:14		
	Sample ID:	RL	IDL	ICB1	final	CCB1	final	CCB2	final	CCB3	final
Aluminum		200	14								
Antimony		6.0	1								
Arsenic		10	1.3	anr							
Barium		200	1								
Beryllium		4.0	.2								
Cadmium		5.0	.2								
Calcium		1000	50	anr							
Chromium		10	1								
Cobalt		50	.2								
Copper		25	1								
Iron		300	17	anr							
Lead		5.0	1	0.0	<5.0	0.40	<5.0	0.10	<5.0	-0.40	<5.0
Magnesium		5000	35	anr							
Manganese		15	.5	anr							
Molybdenum		50	.3								
Nickel		40	.4								
Potassium		10000	200	anr							
Selenium		10	2.4	anr							
Silver		10	.7								
Sodium		10000	500	anr							
Strontium		10	.5								
Thallium		10	1.1								
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3								

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32430
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032516M1.ICP
 QC Limits: result < RL

Date Analyzed: 03/25/16
 Run ID: MA13059

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		13:08		14:02		14:55		15:18		
	Sample ID:	RL	IDL	CCB4	final	CCB5	final	CCB6	final	CCB7	final
Aluminum		200	14								
Antimony		6.0	1								
Arsenic		10	1.3	anr							
Barium		200	1								
Beryllium		4.0	.2								
Cadmium		5.0	.2								
Calcium		1000	50	anr							
Chromium		10	1								
Cobalt		50	.2								
Copper		25	1								
Iron		300	17	anr							
Lead		5.0	1	-0.40	<5.0	-0.20	<5.0	-0.20	<5.0	-0.50	<5.0
Magnesium		5000	35	anr							
Manganese		15	.5	anr							
Molybdenum		50	.3								
Nickel		40	.4								
Potassium		10000	200	anr							
Selenium		10	2.4	anr							
Silver		10	.7								
Sodium		10000	500	anr							
Strontium		10	.5								
Thallium		10	1.1								
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3								

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32430
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032516M1.ICP Date Analyzed: 03/25/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13059 Units: ug/l

Metal	Time:		09:43		10:16		11:17		
	Sample ID:	ICV	ICV1	CCV	CCV1	CCV	CCV2		
	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium									
Beryllium									
Cadmium									
Calcium	anr								
Chromium									
Cobalt									
Copper									
Iron	anr								
Lead	2000	1950	97.5	2000	2040	102.0	2000	2060	103.0
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel									
Potassium	anr								
Selenium	anr								
Silver									
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32430
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032516M1.ICP Date Analyzed: 03/25/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13059 Units: ug/l

Metal	Sample ID	Time: CCV	12:10 CCV3		13:03 CCV4		13:57 CCV5			
			Results	% Rec	Results	% Rec	Results	% Rec		
Aluminum										
Antimony										
Arsenic	anr									
Barium										
Beryllium										
Cadmium										
Calcium	anr									
Chromium										
Cobalt										
Copper										
Iron	anr									
Lead	2000		2000	100.0	2000	2030	101.5	2000	2010	100.5
Magnesium	anr									
Manganese	anr									
Molybdenum										
Nickel										
Potassium	anr									
Selenium	anr									
Silver										
Sodium	anr									
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32430
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032516M1.ICP Date Analyzed: 03/25/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13059 Units: ug/l

Time:	14:51	15:14				
Sample ID:	CCV6	CCV7				
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum						
Antimony						
Arsenic	anr					
Barium						
Beryllium						
Cadmium						
Calcium	anr					
Chromium						
Cobalt						
Copper						
Iron	anr					
Lead	2000	2000	100.0	2000	2020	101.0
Magnesium	anr					
Manganese	anr					
Molybdenum						
Nickel						
Potassium	anr					
Selenium	anr					
Silver						
Sodium	anr					
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA32430
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032516M1.ICP Date Analyzed: 03/25/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13059 Units: ug/l

Time:	09:37
Sample ID:	HSTD1
Metal	True
Results	% Rec

Aluminum			
Antimony			
Arsenic	anr		
Barium			
Beryllium			
Cadmium			
Calcium	anr		
Chromium			
Cobalt			
Copper			
Iron	anr		
Lead	4000	4010	100.3
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel			
Potassium	anr		
Selenium	anr		
Silver			
Sodium	anr		
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA32430
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA032516M1.ICP Date Analyzed: 03/25/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13059 Units: ug/l

Time:			09:55		15:00	
Sample ID:	CRI	CRIA	CRIA1	% Rec	CRIA2	% Rec
Metal	True	True	Results		Results	
Aluminum	400	200				
Antimony	10	5.0				
Arsenic	20	10	anr			
Barium	400	200				
Beryllium	10	5.0				
Cadmium	10	5.0				
Calcium	2000	1000	anr			
Chromium	20	10				
Cobalt	100	50				
Copper	50	25				
Iron	600	300	anr			
Lead	10	5.0	5.0	100.0	5.0	100.0
Magnesium	10000	5000	anr			
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000	anr			
Selenium	20	10	anr			
Silver	20	10				
Sodium	20000	10000	anr			
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20				

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA32430
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA032516M1.ICP Date Analyzed: 03/25/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13059 Units: ug/l

Time:	10:02	10:09	15:04	15:09
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2
Metal	True	Results % Rec	Results % Rec	Results % Rec
Aluminum	500000	498000 99.6	506000 101.2	485000 97.0
Antimony	1000	0.70	1040 104.0	0.20
Arsenic	1000	1.8	1110 111.0	1.0
Barium	500	-0.20	508 101.6	-0.10
Beryllium	500	-0.30	516 103.2	-0.20
Cadmium	1000	0.0	971 97.1	-0.10
Calcium	500000	477000 95.4	482000 96.4	470000 94.0
Chromium	500	0.0	513 102.6	-0.20
Cobalt	500	-0.10	476 95.2	-0.10
Copper	500	-1.4	538 107.6	-1.4
Iron	200000	188000 94.0	192000 96.0	184000 92.0
Lead	1000	0.0	972 97.2	2.5
Magnesium	500000	518000 103.6	527000 105.4	507000 101.4
Manganese	500	-0.50	515 103.0	-0.50
Molybdenum	1000	0.30	955 95.5	0.30
Nickel	1000	0.20	968 96.8	0.70
Potassium		31.4	15.8	88.9
Selenium	1000	0.0	1020 102.0	-2.4
Silver	1000	-0.10	1020 102.0	-0.50
Sodium		124	149	307
Strontium	1000	0.0	1020 102.0	-0.10
Thallium	1000	0.0	960 96.0	-0.70
Tin	1000	1.8	936 93.6	1.2
Titanium	1000	0.0	999 99.9	-0.10
Vanadium	500	0.0	480 96.0	0.20
Zinc	1000	-2.9	959 95.9	-2.8

(*) Outside of QC limits
(anr) Analyte not requested

6.1.6
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32430
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA050616M1.ICP Date Analyzed: 05/06/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13141
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:39	MA13141-STD1	1		STDA
10:43	MA13141-STD2	1		STDB
10:46	MA13141-STD3	1		STDC
10:50	MA13141-STD4	1		STDD
10:54	MA13141-HSTD1	1		
11:00	MA13141-ICV1	1		
11:07	MA13141-ICB1	1		
11:11	MA13141-CR1A1	1		
11:19	MA13141-ICSA1	1		
11:26	MA13141-ICSAB1	1		
11:32	MA13141-CCV1	1		
11:42	MA13141-CCB1	1		
11:46	MP30327-MB1	1		
11:51	MP30327-B1	1		
11:55	FA33633-1	1		(sample used for QC only; not part of login FA32430)
11:59	MP30327-D1	1		
12:04	MP30327-SD1	5		
12:08	MP30327-PS1	1		
12:12	MP30327-S1	1		
12:17	MP30327-S2	1		
12:21	ZZZZZZ	1		
12:25	ZZZZZZ	1		
12:30	MA13141-CCV2	1		
12:34	MA13141-CCB2	1		
12:38	ZZZZZZ	1		
12:43	ZZZZZZ	1		
12:47	ZZZZZZ	1		
12:52	ZZZZZZ	1		
12:56	ZZZZZZ	1		
13:01	ZZZZZZ	1		
13:05	ZZZZZZ	1		
13:10	ZZZZZZ	1		
13:14	ZZZZZZ	1		

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32430
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA050616M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 05/06/16
Run ID: MA13141
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:18	ZZZZZZ	1		
13:23	MA13141-CCV3	1		
13:27	MA13141-CCB3	1		
13:32	ZZZZZZ	1		
13:36	ZZZZZZ	1		
13:41	ZZZZZZ	1		
13:45	ZZZZZZ	1		
13:50	ZZZZZZ	1		
13:54	ZZZZZZ	1		
13:58	ZZZZZZ	1		
14:07	MP30325-MB1	5		
14:12	MP30325-B1	5		
14:16	MA13141-CCV4	1		
14:20	MA13141-CCB4	1		
14:25	FA32429-1	5		(sample used for QC only; not part of login FA32430)
14:29	MP30325-D1	5		
14:34	MP30325-D2	5		
14:38	MP30325-SD1	25		
14:42	MP30325-PS1	5		
14:47	MP30325-S1	5		
14:51	MP30325-S2	5		
14:55	ZZZZZZ	5		
15:00	ZZZZZZ	5		
15:04	ZZZZZZ	5		
15:08	MA13141-CCV5	1		
15:13	MA13141-CCB5	1		
15:17	ZZZZZZ	5		
15:22	ZZZZZZ	5		
15:26	ZZZZZZ	5		
15:30	ZZZZZZ	5		
15:35	ZZZZZZ	5		
15:39	ZZZZZZ	5		
15:44	ZZZZZZ	5		

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA32430
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA050616M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 05/06/16
Run ID: MA13141
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:48	FA32430-1	5		
15:52	FA32430-4	5		
15:57	FA32430-7	5		
16:01	MA13141-CCV6	1		
16:06	MA13141-CCB6	1		
16:10	FA32430-10	5		
16:15	FA32430-11	5		
----->	Last reportable sample/prep for job FA32430			
16:19	MA13141-CRIA2	1		
16:24	MA13141-ICSA2	1		
16:28	MA13141-ICSAB2	1		
16:33	MA13141-CCV7	1		
16:37	MA13141-CCB7	1		
----->	Last reportable CCB for job FA32430			
	Refer to raw data for calibration curve and standards.			

6.2
6

INTERNAL STANDARD SUMMARY

Login Number: FA32430
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA050616M1.ICP Date Analyzed: 05/06/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13141
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:39	MA13141-STD1	5309	42415	3888	2820
10:43	MA13141-STD2	5232	41737	3807	2662
10:46	MA13141-STD3	5040	40184	3719	2437
10:50	MA13141-STD4	4835	39184	3652	2243
10:54	MA13141-HSTD1	4825	39167	3669	2236
11:00	MA13141-ICV1	5032	40218	3767	2426
11:07	MA13141-ICB1	5344 R	42689 R	3796 R	2868 R
11:11	MA13141-CR1A1	5251	42127	3806	2734
11:19	MA13141-ICSA1	4642	36838	3508	2162
11:26	MA13141-ICSAB1	4642	36627	3460	2140
11:32	MA13141-CCV1	5029	40644	3689	2430
11:42	MA13141-CCB1	5408	43430	3839	2896
11:46	MP30327-MB1	5235	43020	3763	2797
11:51	MP30327-B1	5039	40667	3662	2511
11:55	FA33633-1	5187	41874	3712	2665
11:59	MP30327-D1	5200	41925	3668	2674
12:04	MP30327-SD1	5289	42467	3761	2790
12:08	MP30327-PS1	5157	41382	3711	2589
12:12	MP30327-S1	5103	40533	3608	2482
12:17	MP30327-S2	5108	40471	3568	2490
12:21	ZZZZZZ	5127	41100	3707	2617
12:25	ZZZZZZ	5238	42157	3771	2674
12:30	MA13141-CCV2	5045	39910	3578	2417
12:34	MA13141-CCB2	5386	42780	3725	2846
12:38	ZZZZZZ	4998	40428	3653	2511
12:43	ZZZZZZ	5111	41024	3702	2613
12:47	ZZZZZZ	5194	41490	3614	2672
12:52	ZZZZZZ	5198	41590	3628	2699
12:56	ZZZZZZ	5046	40382	3640	2535
13:01	ZZZZZZ	5197	41484	3683	2671
13:05	ZZZZZZ	5174	41471	3655	2637
13:10	ZZZZZZ	5197	41514	3642	2666
13:14	ZZZZZZ	4983	40293	3609	2509

INTERNAL STANDARD SUMMARY

Login Number: FA32430
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA050616M1.ICP Date Analyzed: 05/06/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13141
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:18	ZZZZZZ	5145	41097	3678	2628
13:23	MA13141-CCV3	5114	40373	3608	2448
13:27	MA13141-CCB3	5362	42374	3680	2836
13:32	ZZZZZZ	5256	41948	3668	2690
13:36	ZZZZZZ	5239	41911	3696	2711
13:41	ZZZZZZ	5076	40250	3596	2554
13:45	ZZZZZZ	5315	41782	3625	2686
13:50	ZZZZZZ	5189	41632	3661	2655
13:54	ZZZZZZ	5097	40512	3606	2546
13:58	ZZZZZZ	5331	42224	3729	2646
14:07	MP30325-MB1	5395	42619	3633	2813
14:12	MP30325-B1	5333	42112	3651	2705
14:16	MA13141-CCV4	5119	40581	3629	2424
14:20	MA13141-CCB4	5399	42697	3687	2825
14:25	FA32429-1	5426	42098	3590	2729
14:29	MP30325-D1	5422	42427	3648	2702
14:34	MP30325-D2	5409	42465	3679	2696
14:38	MP30325-SD1	5467	43625	3755	2806
14:42	MP30325-PS1	5427	42006	3619	2704
14:47	MP30325-S1	5414	41884	3609	2667
14:51	MP30325-S2	5382	42017	3646	2635
14:55	ZZZZZZ	5434	42319	3665	2670
15:00	ZZZZZZ	5466	42324	3631	2715
15:04	ZZZZZZ	5462	42511	3625	2708
15:08	MA13141-CCV5	5154	40669	3611	2427
15:13	MA13141-CCB5	5464	42938	3697	2835
15:17	ZZZZZZ	5568	42551	3638	2638
15:22	ZZZZZZ	5438	42257	3602	2696
15:26	ZZZZZZ	5444	42098	3657	2676
15:30	ZZZZZZ	5476	42338	3589	2717
15:35	ZZZZZZ	5476	42013	3582	2690
15:39	ZZZZZZ	5447	42498	3634	2698
15:44	ZZZZZZ	5478	42423	3624	2688

INTERNAL STANDARD SUMMARY

Login Number: FA32430
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA050616M1.ICP Date Analyzed: 05/06/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13141
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:48	FA32430-1	5499	42348	3599	2622
15:52	FA32430-4	5520	42565	3636	2595
15:57	FA32430-7	5464	42258	3667	2571
16:01	MA13141-CCV6	5255	40811	3502	2459
16:06	MA13141-CCB6	5478	42684	3593	2833
16:10	FA32430-10	5406	41769	3600	2559
16:15	FA32430-11	5370	42144	3631	2546
16:19	MA13141-CRIA2	5433	41824	3549	2740
16:24	MA13141-ICSA2	4798	36364	3268	2155
16:28	MA13141-ICSAB2	4762	36684	3321	2119
16:33	MA13141-CCV7	5185	40120	3470	2429
16:37	MA13141-CCB7	5464	42539	3564	2824

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.2.1
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32430
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA050616M1.ICP
 QC Limits: result < RL

Date Analyzed: 05/06/16
 Run ID: MA13141

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		11:07		11:42		12:34		13:27		
	Sample ID:	RL	IDL	ICB1	final	CCB1	final	CCB2	final	CCB3	final
Aluminum	200	14									
Antimony	6.0	1									
Arsenic	10	1.3	anr								
Barium	200	1									
Beryllium	4.0	.2									
Cadmium	5.0	.2	anr								
Calcium	1000	50	anr								
Chromium	10	1	anr								
Cobalt	50	.2									
Copper	25	1									
Iron	300	17	anr								
Lead	5.0	1	0.0	<5.0	0.0	<5.0	0.10	<5.0	0.40	<5.0	
Magnesium	5000	35	anr								
Manganese	15	.5	anr								
Molybdenum	50	.3									
Nickel	40	.4									
Potassium	10000	200									
Selenium	10	2.4									
Silver	10	.7									
Sodium	10000	500									
Strontium	10	.5									
Thallium	10	1.1									
Tin	50	.9									
Titanium	10	.5									
Vanadium	50	.5									
Zinc	20	3									

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA32430
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA050616M1.ICP
 QC Limits: result < RL

Date Analyzed: 05/06/16
 Run ID: MA13141

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	14:20 CCB4 raw	final	15:13 CCB5 raw	final	16:06 CCB6 raw	final	16:37 CCB7 raw	final
Aluminum		200	14								
Antimony		6.0	1								
Arsenic		10	1.3	anr							
Barium		200	1								
Beryllium		4.0	.2								
Cadmium		5.0	.2	anr							
Calcium		1000	50	anr							
Chromium		10	1	anr							
Cobalt		50	.2								
Copper		25	1								
Iron		300	17	anr							
Lead		5.0	1	0.80	<5.0	-0.10	<5.0	0.30	<5.0	-0.30	<5.0
Magnesium		5000	35	anr							
Manganese		15	.5	anr							
Molybdenum		50	.3								
Nickel		40	.4								
Potassium		10000	200								
Selenium		10	2.4								
Silver		10	.7								
Sodium		10000	500								
Strontium		10	.5								
Thallium		10	1.1								
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3								

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32430
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA050616M1.ICP Date Analyzed: 05/06/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13141 Units: ug/l

Metal	Time:		11:00		11:32		12:30			
	Sample ID:	ICV	ICV1	CCV	CCV1	CCV2	CCV2	CCV2		
	True	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum										
Antimony										
Arsenic	anr									
Barium										
Beryllium										
Cadmium	anr									
Calcium	anr									
Chromium	anr									
Cobalt										
Copper										
Iron	anr									
Lead	2000	2050	2050	102.5	2000	2010	100.5	2000	2040	102.0
Magnesium	anr									
Manganese	anr									
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32430
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA050616M1.ICP Date Analyzed: 05/06/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13141 Units: ug/l

Metal	Sample ID	Time: CCV	13:23 CCV3		14:16 CCV4		15:08 CCV5		
			Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum									
Antimony									
Arsenic	anr								
Barium									
Beryllium									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper									
Iron	anr								
Lead	2000	2010	100.5	2000	2030	101.5	2000	2020	101.0
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA32430
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA050616M1.ICP Date Analyzed: 05/06/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13141 Units: ug/l

Time:	16:01	16:33				
Sample ID:	CCV6	CCV7				
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum						
Antimony						
Arsenic	anr					
Barium						
Beryllium						
Cadmium	anr					
Calcium	anr					
Chromium	anr					
Cobalt						
Copper						
Iron	anr					
Lead	2000	1990	99.5	2000	2000	100.0
Magnesium	anr					
Manganese	anr					
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA32430
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA050616M1.ICP Date Analyzed: 05/06/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13141 Units: ug/l

Time:	10:54
Sample ID:	HSTD1
Metal	True
Results	% Rec

Aluminum			
Antimony			
Arsenic	anr		
Barium			
Beryllium			
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt			
Copper			
Iron	anr		
Lead	4000	4070	101.8
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA32430
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA050616M1.ICP Date Analyzed: 05/06/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13141 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	11:11 CRIA1 Results	% Rec	16:19 CRIA2 Results	% Rec
Metal						
Aluminum	400	200				
Antimony	10	5.0				
Arsenic	20	10	anr			
Barium	400	200				
Beryllium	10	5.0				
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25				
Iron	600	300	anr			
Lead	10	5.0	5.4	108.0	5.2	104.0
Magnesium	10000	5000	anr			
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000				
Selenium	20	10				
Silver	20	10				
Sodium	20000	10000				
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20				

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA32430
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA050616M1.ICP Date Analyzed: 05/06/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13141 Units: ug/l

Time:	11:19	11:26	16:24	16:28						
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2						
Metal	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum	500000	500000	510000	102.0	515000	103.0	532000	106.4	536000	107.2
Antimony		1000	-0.60		1030	103.0	-2.5		993	99.3
Arsenic		1000	0.0		1090	109.0	0.60		1050	105.0
Barium		500	0.70		530	106.0	0.70		569	113.8
Beryllium		500	-0.10		515	103.0	-0.10		521	104.2
Cadmium		1000	-0.70		967	96.7	-2.6		941	94.1
Calcium	500000	500000	494000	98.8	491000	98.2	531000	106.2	529000	105.8
Chromium		500	0.0		514	102.8	-0.30		515	103.0
Cobalt		500	-0.30		481	96.2	-0.30		479	95.8
Copper		500	-1.0		553	110.6	-1.2		567	113.4
Iron	200000	200000	188000	94.0	189000	94.5	193000	96.5	194000	97.0
Lead		1000	0.10		975	97.5	-2.0		967	96.7
Magnesium	500000	500000	526000	105.2	525000	105.0	566000	113.2	562000	112.4
Manganese		500	0.10		512	102.4	-0.20		495	99.0
Molybdenum		1000	-0.40		958	95.8	-0.80		951	95.1
Nickel		1000	0.0		965	96.5	0.10		927	92.7
Potassium			39.1		-11		67.9		58.6	
Selenium		1000	0.0		1040	104.0	0.60		1020	102.0
Silver		1000	0.50		1060	106.0	0.40		1080	108.0
Sodium			195		190		222		258	
Strontium		1000	0.0		1040	104.0	-0.60		1030	103.0
Thallium		1000	0.0		961	96.1	2.4		943	94.3
Tin		1000	1.9		948	94.8	1.1		963	96.3
Titanium		1000	0.20		1020	102.0	0.60		981	98.1
Vanadium		500	-0.40		476	95.2	-0.10		462	92.4
Zinc		1000	-1.4		969	96.9	-1.8		915	91.5

(*) Outside of QC limits
(anr) Analyte not requested

6.2.6
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA32430
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30167
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 03/25/16 03/25/16

Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Aluminum	200	14	14				
Antimony	6.0	1	1				
Arsenic	10	1.3	1.3				
Barium	200	1	1				
Beryllium	4.0	.2	.2				
Cadmium	5.0	.2	.2				
Calcium	1000	50	50				
Chromium	10	1	1				
Cobalt	50	.2	.2				
Copper	25	1	1				
Iron	300	17	17				
Lead	5.0	1	1.1	-0.40	<5.0	0.10	<5.0
Magnesium	5000	35	35				
Manganese	15	.5	1				
Molybdenum	50	.3	.3				
Nickel	40	.4	.4				
Potassium	10000	200	200				
Selenium	10	2.4	2.9				
Silver	10	.7	.7				
Sodium	10000	500	500				
Strontium	10	.5	.5				
Thallium	10	1.1	1.4				
Tin	50	.9	1				
Titanium	10	.5	1				
Vanadium	50	.5	.6				
Zinc	20	3	4.4				

Associated samples MP30167: FA32430-16

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.3.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32430
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30167
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/25/16 03/25/16

Metal	FA32364-4 Original	DUP	RPD	QC Limits	FA32364-4 Original MS	Spikelot MPFLICP2 % Rec	QC Limits		
Aluminum									
Antimony									
Arsenic	anr								
Barium									
Beryllium									
Cadmium									
Calcium	anr								
Chromium									
Cobalt									
Copper									
Iron	anr								
Lead	0.0	0.0	NC	0-20	0.0	516	500	103.2	80-120
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel									
Potassium	anr								
Selenium									
Silver									
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP30167: FA32430-16

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.3.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32430
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30167
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/25/16

Metal	FA32364-4 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit		
Aluminum						
Antimony						
Arsenic	anr					
Barium						
Beryllium						
Cadmium						
Calcium	anr					
Chromium						
Cobalt						
Copper						
Iron	anr					
Lead	0.0	519	500	103.8	0.6	20
Magnesium	anr					
Manganese	anr					
Molybdenum						
Nickel						
Potassium	anr					
Selenium						
Silver						
Sodium	anr					
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP30167: FA32430-16

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.3.2
 6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA32430
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30167
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/25/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium				
Beryllium				
Cadmium				
Calcium	anr			
Chromium				
Cobalt				
Copper				
Iron	anr			
Lead	509	500	101.8	80-120
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel				
Potassium	anr			
Selenium				
Silver				
Sodium	anr			
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30167: FA32430-16

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.3.3
 6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA32430
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30167
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 03/25/16

Metal	FA32364-4	Original	SDL 1:5	%DIF	QC Limits
Aluminum					
Antimony					
Arsenic	anr				
Barium					
Beryllium					
Cadmium					
Calcium	anr				
Chromium					
Cobalt					
Copper					
Iron	anr				
Lead	0.00	0.00	NC		0-10
Magnesium	anr				
Manganese	anr				
Molybdenum					
Nickel					
Potassium	anr				
Selenium					
Silver					
Sodium	anr				
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc					

Associated samples MP30167: FA32430-16

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.3.4
 6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA32430
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30167
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date:

03/25/16

Metal	Sample ml	Final ml	FA32364-4 Raw	PS Corr.** ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	9.8	10		51.7	0.2	2.5	50	103.4	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP30167: FA32430-16

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (**) Corr. sample result = Raw * (sample volume / final volume)
 (anr) Analyte not requested

6.3.5
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA32430
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP30325
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 05/06/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.4	3.5		
Antimony	2.0	.1	.13		
Arsenic	1.0	.13	.2		
Barium	20	.1	.1		
Beryllium	0.50	.02	.05		
Cadmium	0.40	.02	.05		
Calcium	500	5	5		
Chromium	1.0	.1	.1		
Cobalt	5.0	.02	.05		
Copper	2.5	.1	.1		
Iron	30	1.7	1.7		
Lead	2.0	.1	.1	-0.0080	<2.0
Magnesium	500	3.5	3.6		
Manganese	1.5	.05	.05		
Molybdenum	5.0	.03	.05		
Nickel	4.0	.04	.05		
Potassium	1000	20	20		
Selenium	2.0	.24	.24		
Silver	1.0	.07	.082		
Sodium	1000	50	50		
Strontium	1.0	.05	.05		
Thallium	1.0	.11	.11		
Tin	5.0	.09	.09		
Titanium	1.0	.05	.05		
Vanadium	5.0	.05	.05		
Zinc	2.0	.3	.3		

Associated samples MP30325: FA32430-1, FA32430-4, FA32430-7, FA32430-10, FA32430-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.4.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32430
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30325
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 05/06/16 05/06/16

Metal	FA32429-1		RPD	QC Limits	FA32429-1		RPD	QC Limits
	Original	DUP			Original	DUP		
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead	15.8	18.6	16.3	0-20	15.8	17.0	7.3	0-20
Magnesium								
Manganese								
Molybdenum								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Strontium								
Thallium								
Tin								
Titanium								
Vanadium								
Zinc								

Associated samples MP30325: FA32430-1, FA32430-4, FA32430-7, FA32430-10, FA32430-11

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.4.2
 6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32430
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30325
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 05/06/16

Metal	FA32429-1 Original MS	Spikelot MPFLICP2 % Rec	QC Limits
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead	15.8 25.4	9.62	99.8 80-120
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

Associated samples MP30325: FA32430-1, FA32430-4, FA32430-7, FA32430-10, FA32430-11

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.4.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA32430
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30325
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 05/06/16

Metal	FA32429-1 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	15.8 26.7	9.68 112.0	5.0	20
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30325: FA32430-1, FA32430-4, FA32430-7, FA32430-10, FA32430-11

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.4.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA32430
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30325
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 05/06/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	9.7	10	97.4	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30325: FA32430-1, FA32430-4, FA32430-7, FA32430-10, FA32430-11

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.3
6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA32430
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30325
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 05/06/16

Metal	FA32429-1	QC
	Original SDL 5:25 %DIF	Limits

Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	801	836	4.4	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30325: FA32430-1, FA32430-4, FA32430-7, FA32430-10, FA32430-11

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA32430
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP30325
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date:

05/06/16

Metal	Sample ml	Final ml	FA32429-1 Raw	PS Corr.**	ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead	9.8	10	801.1	785.078	907.5	0.2	2.5	50	244.8*(a)	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP30325: FA32430-1, FA32430-4, FA32430-7, FA32430-10, FA32430-11

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(**) Corr. sample result = Raw * (sample volume / final volume)

(anr) Analyte not requested

(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

6.4.5
6

Instrument Detection Limits

Job Number: FA32430
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1	Effective Date: 01/27/15
-------------------------	--------------------------

Analyte	IDL ug/l
Aluminum	14
Antimony	1
Arsenic	1.3
Barium	1
Beryllium	.2
Cadmium	.2
Calcium	50
Chromium	1
Cobalt	.2
Copper	1
Iron	17
Lead	1
Magnesium	35
Manganese	.5
Molybdenum	.3
Nickel	.4
Potassium	200
Selenium	2.4
Silicon	5
Silver	.7
Sodium	500
Strontium	.5
Sulfur	5
Thallium	1.1
Tin	.9
Titanium	.5
Vanadium	.5
Zinc	3

The above applies to the following instrument runs:
MA13059,MA13141

6.5
6

Instrument Linear Ranges

Job Number: FA32430
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1

Effective Date: 08/13/13

Analyte	Linear Range ug/l
Aluminum	500000
Antimony	10000
Arsenic	10000
Barium	10000
Beryllium	10000
Cadmium	10000
Calcium	500000
Chromium	10000
Cobalt	10000
Copper	10000
Iron	500000
Lead	10000
Magnesium	500000
Manganese	10000
Molybdenum	10000
Nickel	10000
Potassium	80000
Selenium	10000
Silver	1000
Sodium	80000
Strontium	10000
Sulfur	10000
Thallium	10000
Tin	10000
Titanium	10000
Vanadium	10000
Zinc	10000

The above applies to the following instrument runs:
MA13059,MA13141

Metals Analysis

Raw Data

Sample Name: HSTD Acquired: 3/25/2016 9:37:01 Type: QC
 Method: 60102007_042011(v28) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4940	78.33	4.000	3.927	3.937	78.04	3.951	3.955	3.931
Stddev	.0019	.22	.004	.014	.014	.41	.005	.004	.009
%RSD	.3872	.2868	.0995	.3590	.3575	.5229	.1183	.1088	.2334
#1	.4921	78.12	3.997	3.911	3.928	77.60	3.954	3.958	3.924
#2	.4959	78.31	3.997	3.938	3.930	78.12	3.945	3.950	3.941
#3	.4940	78.56	4.004	3.932	3.953	78.40	3.953	3.956	3.928

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.942	78.54	78.48	78.68	3.894	3.943	78.47	3.954	4.008
Stddev	.009	.34	.48	.57	.004	.005	.21	.009	.006
%RSD	.2175	.4367	.6176	.7221	.0949	.1342	.2731	.2252	.1414
#1	3.938	78.30	77.94	78.12	3.892	3.942	78.36	3.960	4.012
#2	3.936	78.39	78.62	78.66	3.892	3.938	78.33	3.943	4.001
#3	3.952	78.93	78.87	79.26	3.899	3.949	78.71	3.958	4.010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.999	3.981	3.701	3.919	3.872	3.964	3.977	3.941	3.948
Stddev	.007	.003	.004	.003	.039	.020	.006	.009	.003
%RSD	.1793	.0822	.1180	.0746	.9954	.4961	.1405	.2369	.0647
#1	4.003	3.980	3.701	3.919	3.835	3.972	3.976	3.932	3.950
#2	3.991	3.978	3.696	3.916	3.870	3.978	3.972	3.951	3.947
#3	4.004	3.985	3.705	3.922	3.912	3.941	3.983	3.939	3.945

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 3/25/2016 9:37:01 Type: QC
 Method: 60102007_042011(v28) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2186.3	4766.0	40120	4189.3
Stddev	4.3	9.4	41	28.4
%RSD	.19763	.19658	.10156	.67769
#1	2186.1	4765.6	40167	4211.8
#2	2190.7	4775.5	40096	4198.8
#3	2182.0	4756.8	40096	4157.4

7.1
7

Sample Name: ICV Acquired: 3/25/2016 9:43:53 Type: QC
 Method: 60102007_042011(v28) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2363	40.20	1.937	2.007	1.994	41.58	1.977	1.979	1.969
Stddev	.0007	.14	.001	.007	.011	.22	.006	.005	.010
%RSD	.2903	.3390	.0367	.3409	.5335	.5257	.3227	.2599	.5250
#1	.2368	40.28	1.937	2.013	2.001	41.63	1.982	1.982	1.971
#2	.2355	40.04	1.936	2.000	1.982	41.35	1.980	1.982	1.978
#3	.2366	40.28	1.938	2.010	1.999	41.78	1.970	1.973	1.958

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.923	41.08	41.15	41.50	2.023	1.883	41.48	1.994	1.953
Stddev	.004	.16	.13	.31	.010	.003	.10	.006	.006
%RSD	.1879	.3942	.3148	.7450	.5079	.1591	.2298	.3199	.3230
#1	1.926	41.12	41.23	41.51	2.025	1.885	41.57	2.000	1.960
#2	1.919	40.90	41.00	41.19	2.033	1.884	41.38	1.995	1.952
#3	1.922	41.22	41.21	41.81	2.012	1.879	41.47	1.988	1.948

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.957	1.977	1.297	1.993	1.905	1.938	2.013	1.866	1.991
Stddev	.004	.004	.0007	.010	.008	.005	.007	.005	.009
%RSD	.1915	.1769	.5023	.4998	.4156	.2532	.3409	.2742	.4366
#1	1.960	1.978	.1304	2.000	1.909	1.940	2.020	1.867	1.995
#2	1.957	1.980	.1292	1.997	1.896	1.942	2.013	1.871	1.997
#3	1.953	1.974	.1294	1.982	1.910	1.933	2.007	1.861	1.981

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 3/25/2016 9:43:53 Type: QC
 Method: 60102007_042011(v28) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2386.0	5012.5	41903	4330.3
Stddev	5.1	10.0	175	31.9
%RSD	.21250	.20005	.41761	.73568
#1	2380.6	5007.2	41924	4328.6
#2	2386.8	5006.3	41719	4362.9
#3	2390.7	5024.1	42067	4299.2

Sample Name: ICB Acquired: 3/25/2016 9:52:00 Type: QC
 Method: 60102007_042011(v28) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.0116	-0.0005	.0001	-0.0002	-0.0027	.0000	.0000	-0.0005
Stddev	.0002	.0041	.0002	.0001	.0000	.0019	.000	.000	.0001
%RSD	1026.	35.47	40.02	97.41	16.72	69.94	20.06	1117.	12.20

#1 .0001 -0.163 -0.004 .0001 -0.001 -0.008 .0000 .0000 -0.0004
 #2 .0002 -0.092 -0.003 .0002 -0.002 -0.046 .0000 .0000 -0.0005
 #3 -0.002 -0.093 -0.007 .0000 -0.002 -0.027 -0.001 .0000 -0.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0018	-0.0052	-0.0159	-0.0086	-0.0001	-0.0001	.0012	-0.0001	.0000
Stddev	.0003	.0011	.0284	.0139	.0000	.0000	.0068	.0000	.001
%RSD	19.29	21.22	178.7	160.4	23.44	95.14	552.5	32.16	6562.

#1 -0.0018 -0.0041 -0.0038 -0.0159 -0.0001 -0.0001 -0.0051 -0.0001 .0000
 #2 -0.0014 -0.0051 -0.0484 .0073 -0.0001 -0.002 .0083 .0000 -0.0008
 #3 -0.0021 -0.0063 .0045 -0.0173 -0.0001 .0000 .0005 -0.0001 .0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0002	-0.0004	.0002	-0.0002	.0000	.0003	-0.0002	-0.0006
Stddev	.0007	.0019	.0002	.0001	.0001	.0000	.0003	.0002	.0000
%RSD	304.9	938.1	56.05	41.89	33.82	206.8	101.9	77.41	7.551

#1 .0007 -0.0016 -0.0002 .0003 -0.0002 .0000 .0005 .0000 -0.0006
 #2 .0005 .0001 -0.0003 .0001 -0.0002 .0000 .0003 -0.0003 -0.0006
 #3 -0.0005 .0021 -0.0006 .0003 -0.0001 .0000 .0000 -0.0004 -0.0006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 3/25/2016 9:52:00 Type: QC
 Method: 60102007_042011(v28) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2729.0	5141.4	43012.	4313.1
Stddev	2.4	10.0	11.	37.3
%RSD	.08952	.19532	.02555	.86575

#1 2730.6 5153.0 43003. 4319.3
 #2 2730.3 5136.6 43007. 4346.9
 #3 2726.2 5134.7 43024. 4273.0

Sample Name: CRIA Acquired: 3/25/2016 9:55:44 Type: QC
 Method: 60102007_042011(v28) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0090	.1995	.0102	.2031	.0050	1.044	.0055	.0546	.0107
Stddev	.0003	.0070	.0003	.0010	.0000	.006	.0001	.0002	.0002
%RSD	3.139	3.501	3.261	4.772	.4527	.5693	1.168	.3540	1.945

#1 .0093 .1915 .0101 .2020 .0051 1.049 .0055 .0547 .0109
 #2 .0087 .2041 .0099 .2038 .0050 1.037 .0055 .0544 .0107
 #3 .0090 .2031 .0105 .2035 .0051 1.046 .0056 .0547 .0105

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0245	.3163	10.15	5.176	.0168	.0513	10.29	.0446	.0050
Stddev	.0002	.0024	.05	.057	.0000	.0002	.01	.0002	.0001
%RSD	.7249	.7666	4.478	1.102	.0809	.3051	.1368	.4696	1.536

#1 .0243 .3179 10.19 5.239 .0168 .0512 10.29 .0444 .0050
 #2 .0246 .3135 10.10 5.127 .0168 .0514 10.28 .0445 .0051
 #3 .0246 .3175 10.17 5.162 .0168 .0514 10.31 .0448 .0051

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0057	.0107	.0020	.0547	.0100	.0107	.0103	.0509	.0222
Stddev	.0002	.0015	.0002	.0002	.0000	.0000	.0015	.0003	.0001
%RSD	3.027	13.81	12.15	.2977	.4769	.3247	14.72	.5884	.3722

#1 .0055 .0110 .0018 .0545 .0100 .0107 .0096 .0508 .0221
 #2 .0057 .0091 .0020 .0547 .0101 .0106 .0093 .0506 .0221
 #3 .0058 .0120 .0022 .0548 .0100 .0106 .0121 .0512 .0223

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 3/25/2016 9:55:44 Type: QC
 Method: 60102007_042011(v28) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2623.3	5059.3	42035.	4282.8
Stddev	5.5	8.8	144.	11.9
%RSD	.20868	.17347	.34226	.2797

#1 2617.2 5050.9 42199. 4269.0
 #2 2627.9 5058.6 41975. 4289.5
 #3 2624.6 5068.5 41930. 4289.8

Sample Name: ICSEA Acquired: 3/25/2016 10:02:46 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	498.3	.0018	-0.002	-0.003	476.6	.0000	-0.001	.0000
Stddev	.0001	4.4	.0011	.0002	.0000	5.6	.000	.0001	.000
%RSD	123.1	.8880	60.84	140.9	.6659	1.171	376.2	53.92	1185.

#1	.0000	497.7	.0005	-0.003	-0.003	477.1	-0.002	-0.001	-0.001
#2	-0.002	494.2	.0026	-0.002	-0.003	470.8	.0000	-0.001	.0001
#3	-0.001	502.9	.0024	.0001	-0.003	481.9	.0001	-0.002	-0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.014	188.0	.0314	518.2	-0.005	.0003	.1242	.0002	.0000
Stddev	.0002	.8	.0330	2.9	.0001	.0002	.0054	.0001	.001
%RSD	14.83	.4113	105.3	.5524	15.57	48.41	4.387	34.83	112400.

#1	-0.017	187.9	.0081	519.2	-0.005	.0005	.1225	.0002	.0013
#2	-0.013	187.2	.0692	515.0	-0.004	.0002	.1303	.0003	.0000
#3	-0.014	188.7	.0169	520.5	-0.006	.0003	.1198	.0001	-0.012

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0000	.0094	F .0018	.0000	.0000	.0000	.0000	-0.0029
Stddev	.0016	.0025	.0002	.0009	.0001	.000	.0015	.000	.0002
%RSD	220.7	35980.	2.134	49.07	569.3	272.3	7156.	1730.	5.278

#1	.0001	-0.024	.0094	.0017	.0001	-0.002	-0.004	.0001	-0.029
#2	.0025	.0026	.0093	.0027	.0001	.0000	.0017	-0.002	-0.027
#3	-0.004	-0.002	.0097	.0010	-0.001	.0000	-0.012	.0000	-0.030

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSEA Acquired: 3/25/2016 10:02:46 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2075.0	4539.4	3704.0	3991.3
Stddev	4.5	6.1	65.	39.2
%RSD	.21752	.13544	.17588	.98212

#1	2071.3	4546.0	36967.	3990.8
#2	2080.0	4538.3	37091.	4030.7
#3	2073.6	4533.9	37062.	3952.3

7.1
7

Sample Name: ICSAB Acquired: 3/25/2016 10:09:14 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.024	505.8	1.108	.5077	.5163	481.8	.9710	.4760	.5128
Stddev	.004	8.0	.004	.0009	.0029	1.8	.0012	.0010	.0007
%RSD	.4263	1.577	.3664	.1787	.5521	.3793	.1241	.2089	.1373

#1	1.025	511.7	1.103	.5072	.5135	483.1	.9696	.4749	.5134
#2	1.020	496.7	1.108	.5071	.5164	479.7	.9719	.4768	.5130
#3	1.029	509.1	1.111	.5087	.5192	482.6	.9715	.4763	.5120

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5382	192.1	.0158	526.7	.5152	.9546	.1485	.9679	.9719
Stddev	.0014	.7	.0197	2.5	.0018	.0018	.0057	.0008	.0017
%RSD	.2623	.3426	124.5	.4702	.3515	.1850	3.821	.0817	.1704

#1	.5385	191.4	.0252	524.6	.5147	.9527	.1420	.9679	.9725
#2	.5366	192.2	-.0068	526.0	.5172	.9560	.1510	.9672	.9731
#3	.5394	192.7	.0291	529.5	.5137	.9553	.1524	.9688	.9700

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.035	1.020	.0439	.9363	1.022	.9986	.9600	.4800	.9589
Stddev	.003	.002	.0008	.0033	.004	.0020	.0024	.0015	.0022
%RSD	.2551	.1724	1.838	.3518	.3517	.2022	.2490	.3151	.2338

#1	1.032	1.018	.0436	.9349	1.022	.9983	.9575	.4797	.9587
#2	1.036	1.021	.0448	.9400	1.018	1.001	.9603	.4816	.9612
#3	1.037	1.021	.0432	.9339	1.026	.9968	.9623	.4786	.9568

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 3/25/2016 10:09:14 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2047.4	4518.3	36936.	3910.6
Stddev	.6	5.6	61.	17.8
%RSD	.02825	.12289	.16455	.45393

#1	2047.7	4524.5	36922.	3903.7
#2	2046.7	4516.5	36884.	3930.7
#3	2047.8	4513.9	37003.	3897.3

Sample Name: CCV Acquired: 3/25/2016 10:16:22 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2564	40.28	2.061	1.981	2.052	40.58	2.088	2.066	2.088
Stddev	.0005	.08	.009	.010	.011	.15	.006	.002	.004
%RSD	.2057	.1970	.4221	.5184	.5471	.3619	.2746	.1185	.1930
#1	.2569	40.36	2.070	1.971	2.065	40.65	2.094	2.068	2.086
#2	.2565	40.21	2.052	1.982	2.044	40.69	2.083	2.063	2.085
#3	.2558	40.26	2.060	1.991	2.049	40.42	2.087	2.066	2.092

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.025	40.11	40.04	40.75	2.127	2.079	40.62	2.094	2.039
Stddev	.003	.08	.14	.16	.007	.001	.16	.006	.005
%RSD	.1670	.1981	.3461	.3827	.3429	.0656	.3915	.2841	.2517
#1	2.027	40.20	40.19	40.79	2.121	2.080	40.80	2.101	2.045
#2	2.021	40.07	39.98	40.88	2.124	2.078	40.49	2.089	2.036
#3	2.026	40.05	39.93	40.57	2.135	2.080	40.59	2.093	2.036

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.060	2.055	2.362	2.086	2.027	2.141	2.061	2.109	2.064
Stddev	.005	.004	.004	.004	.009	.004	.002	.003	.007
%RSD	.2365	.1940	.1527	.1810	.4375	.1987	.0824	.1318	.3553
#1	2.054	2.059	2.362	2.090	2.018	2.138	2.061	2.106	2.072
#2	2.061	2.051	2.358	2.085	2.028	2.140	2.059	2.109	2.058
#3	2.064	2.055	2.365	2.083	2.035	2.146	2.063	2.112	2.062

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/25/2016 10:16:22 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2345.2	4882.6	4065.5	4144.7
Stddev	3.5	8.0	41.	35.1
%RSD	.14873	.16422	.10010	.84631
#1	2348.9	4891.6	4068.4	4116.1
#2	2344.7	4880.1	4060.9	4134.0
#3	2342.0	4876.1	4067.4	4183.8

7.1
7

Sample Name: CCB Acquired: 3/25/2016 10:24:23 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.0045	0.002	0.002	0.000	0.012	0.000	0.000	-0.003
Stddev	.0002	.0078	.0004	.0002	.000	.0027	.000	.000	.0002
%RSD	379.6	172.0	284.8	129.9	152.9	232.9	398.7	333.7	90.43
#1	.0001	.0044	.0003	.0004	-.0001	.0018	.0000	.0000	-.0005
#2	.0000	-.0091	-.0003	.0001	.0000	-.0018	.0000	.0000	-.0002
#3	-.0003	-.0089	.0005	.0000	.0000	.0034	.0000	-.0001	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.020	0.005	0.076	-0.171	-0.001	-0.003	0.052	0.001	0.004
Stddev	.0002	.0048	.0403	.0151	.0000	.0001	.0061	.0001	.0002
%RSD	11.05	1015.	527.5	87.97	39.44	17.21	118.5	93.69	45.55
#1	-.0017	.0026	.0053	-.0197	.0000	-.0003	.0038	.0000	.0002
#2	-.0020	.0039	-.0314	-.0010	-.0001	-.0004	-.0002	.0002	.0006
#3	-.0022	-.0051	.0490	-.0308	-.0001	-.0004	.0119	.0001	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.003	0.000	-0.023	0.000	0.000	-0.001	0.004	0.000	-0.006
Stddev	.0003	.002	.0003	.0005	.000	.0000	.0006	.0002	.0000
%RSD	97.69	165800.	12.53	1493.	364.4	32.86	140.5	625.0	4.998
#1	.0004	.0003	-.0019	.0006	-.0001	-.0001	.0002	.0000	-.0006
#2	.0000	.0020	-.0023	-.0004	.0000	-.0001	.0000	-.0001	-.0005
#3	.0005	-.0023	-.0025	-.0001	.0001	-.0001	.0011	.0002	-.0006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/25/2016 10:24:23 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2746.4	5185.6	4302.4	4271.3
Stddev	1.7	7.6	189.	31.6
%RSD	.06113	.14624	.43964	.73903
#1	2744.4	5177.3	4281.1	4269.2
#2	2747.3	5187.2	4309.1	4240.8
#3	2747.4	5192.2	4317.1	4303.8

Sample Name: FA32159-1 Acquired: 3/25/2016 10:29:53 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0043	307.4	2140	1.061	0.142	84.83	-0027	.6956	.4502
Stddev	.0017	.8	.0042	.004	.0006	.39	.0006	.0022	.0037
%RSD	39.62	2488	1.978	.4096	4.344	4.553	21.49	.3193	.8194
#1	-.0037	308.2	2165	1.066	.0137	85.24	-.0029	.6936	.4522
#2	-.0063	307.1	2163	1.059	.0141	84.48	-.0032	.6952	.4525
#3	-.0030	306.8	2091	1.058	.0149	84.75	-.0021	.6980	.4460
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6509	677.3	41.30	118.4	18.27	0.100	10.05	.6185	.2596
Stddev	.0050	.8	.18	.6	.08	.0017	.02	.0029	.0101
%RSD	.7701	.1149	.4461	.4692	.4510	17.44	.1519	.4660	3.887
#1	.6509	677.9	41.33	117.9	18.29	.0116	10.06	.6187	.2482
#2	.6459	676.4	41.10	118.4	18.34	.0082	10.05	.6155	.2635
#3	.6559	677.6	41.46	119.0	18.18	.0102	10.03	.6212	.2672
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0061	.0226	11.84	.0318	1.443	.6223	.0022	.7377	2.462
Stddev	.0058	.0081	.03	.0010	.003	.0029	.0067	.0022	.011
%RSD	95.33	35.84	.2482	3.005	.1958	4.598	299.9	.3017	4.285
#1	-.0084	.0268	11.81	.0327	1.446	.6239	-.0046	.7401	2.454
#2	-.0105	.0132	11.86	.0308	1.441	.6241	.0088	.7374	2.457
#3	.0005	.0277	11.86	.0318	1.442	.6190	.0025	.7357	2.474
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2567.5	5287.6	4396.1	4451.4					
Stddev	6.4	13.1	153.	16.9					
%RSD	.24745	.24847	.34786	.38055					
#1	2574.6	5302.5	43880.	4441.7					
#2	2562.4	5277.6	43866.	4470.9					
#3	2565.5	5282.7	44138.	4441.5					

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Sample Name: FA32495-1 Acquired: 3/25/2016 10:34:14 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0015	219.5	.1903	2.318	.0147	111.3	.0066	.2624	.3297
Stddev	.0001	.2	.0005	.002	.0001	.3	.0000	.0001	.0018
%RSD	5.165	.0768	.2804	.0904	.5863	2.444	.5850	.0484	.5335
#1	-.0016	219.7	.1909	2.321	.0147	111.0	.0066	.2624	.3317
#2	-.0015	219.3	.1901	2.316	.0148	111.6	.0065	.2622	.3290
#3	-.0015	219.5	.1898	2.318	.0146	111.3	.0066	.2624	.3283
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3828	489.9	24.95	93.39	F 16.96	.0216	.9743	.6792	.3851
Stddev	.0015	.4	.01	.11	.05	.0003	.0021	.0015	.0018
%RSD	.3942	.0721	.0391	.1174	.3045	1.177	.2191	.2171	.4786
#1	.3812	489.5	24.94	93.29	16.96	.0218	.9722	.6806	.3840
#2	.3830	490.2	24.94	93.51	16.91	.0213	.9765	.6776	.3840
#3	.3842	490.1	24.96	93.37	17.01	.0216	.9742	.6793	.3872
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0014	-0.106	5.363	.0187	.2601	1.290	.0096	.4338	1.219
Stddev	.0017	.0040	.012	.0004	.0008	.004	.0018	.0014	.002
%RSD	121.2	38.10	.2244	2.186	.3118	.3205	18.58	.3291	.1290
#1	.0031	-.0088	5.376	.0184	.2596	1.294	.0109	.4351	1.320
#2	-.0003	-.0078	5.358	.0184	.2597	1.290	.0075	.4339	1.319
#3	.0015	-.0153	5.354	.0191	.2610	1.285	.0102	.4323	1.317
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2458.5	6536.0	5436.5	5586.0					
Stddev	1.8	14.1	154.	7.2					
%RSD	.07403	.21508	.28254	.12866					
#1	2459.5	6526.2	54193.	5593.0					
#2	2456.4	6529.7	54414.	5586.3					
#3	2459.5	6552.1	54488.	5578.6					

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Sample Name: FA32495-2 Acquired: 3/25/2016 10:38:39 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0018	259.5	.1720	2.076	.0174	37.66	.0016	.2525	.3748
Stddev	.0007	.5	.0017	.006	.0001	.17	.0004	.0002	.0012
%RSD	39.20	1.809	.9862	.2840	.4618	4.556	24.02	.0918	.3092
#1	-.0021	259.9	.1723	2.077	.0174	37.84	.0012	.2524	.3755
#2	-.0023	259.5	.1702	2.070	.0173	37.65	.0019	.2528	.3735
#3	-.0010	259.0	.1736	2.082	.0174	37.50	.0017	.2524	.3754
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3794	556.2	24.23	53.40	F 17.22	.0217	.7111	.4507	.4054
Stddev	.0010	1.9	.11	.17	.01	.0005	.0026	.0005	.0011
%RSD	.2611	.3502	.4347	.3119	.0841	2.271	.3631	.1035	.2684
#1	.3801	557.9	24.35	53.56	17.23	.0223	.7127	.4505	.4051
#2	.3799	556.6	24.16	53.40	17.20	.0213	.7081	.4513	.4067
#3	.3783	554.1	24.19	53.23	17.22	.0216	.7124	.4505	.4045
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0019	-0.124	5.485	.0216	.2184	1.136	.0084	.4719	1.878
Stddev	.0021	.0050	.013	.0003	.0009	.004	.0019	.0012	.004
%RSD	112.1	40.23	.2298	1.478	.3980	.3421	22.81	.2589	.2133
#1	.0010	-.0180	5.476	.0215	.2194	1.140	.0066	.4719	1.882
#2	.0003	-.0084	5.499	.0214	.2178	1.132	.0082	.4707	1.874
#3	.0043	-.0109	5.479	.0220	.2179	1.137	.0104	.4732	1.879
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2484.7	6521.9	5395.8	5412.7					
Stddev	7.7	9.2	155.	37.0					
%RSD	.31051	.14033	.28692	.68266					
#1	2486.8	6532.3	53779.	5383.1					
#2	2491.1	6518.3	54039.	5400.9					
#3	2476.1	6515.1	54055.	5454.1					

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Sample Name: FA32283-5 Acquired: 3/25/2016 10:45:50 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0003	.0611	.0205	.4112	-0.0024	256.9	-0.0019	.0103	-0.0014
Stddev	.0028	.0512	.0033	.0012	.0006	1.8	.0003	.0007	.0006
%RSD	858.6	83.80	16.22	.3022	25.07	.7046	18.00	6.400	47.91
#1	-.0035	.1116	.0212	.4124	-.0026	256.0	-.0015	.0097	-.0015
#2	.0013	.0624	.0169	.4112	-.0017	259.0	-.0021	.0102	-.0019
#3	.0013	.0093	.0234	.4100	-.0028	255.8	-.0020	.0110	-.0006
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.165	136.1	5.701	71.20	2.549	-0.00			

Sample Name: MP30160-D1 Acquired: 3/25/2016 10:50:16 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0003	-0.0264	0.0184	4.324	-0.0021	269.7	-0.0022	0.0105	-0.0027
Stddev	.0018	.0255	.0049	.0020	.0002	1.0	.0003	.0001	.0019
%RSD	525.1	96.62	26.40	.4629	10.72	.3836	13.17	1.209	71.39
#1	.0021	-0.0236	.0141	.4302	-.0018	268.7	-.0020	.0103	-.0050
#2	-.0004	-0.0533	.0173	.4329	-.0022	269.6	-.0025	.0106	-.0018
#3	-.0015	-.0024	.0237	.4341	-.0022	270.8	-.0020	.0106	-.0014
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)
Avg	-0.0163	142.9	5.916	74.66	2.665	-0.0062	392.7	0.0037	-0.0010
Stddev	.0008	.2	.347	.04	.0016	1.3	.0020	.0102	.0009
%RSD	5.171	.1618	5.864	.0570	.1426	25.89	.3202	54.70	986.7
#1	-0.0155	142.6	5.705	74.67	2.662	-.0047	391.3	.0035	.0093
#2	-0.0171	143.0	6.317	74.69	2.669	-.0079	393.0	.0017	-.0112
#3	-0.0163	143.1	5.727	74.61	2.664	-.0060	393.7	.0057	-.0012
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	0.0028	-0.0140	8.521	-0.0018	1.646	0.0038	-0.0077	-0.0037	0.1320
Stddev	.0074	.0089	.005	.0021	.004	.0006	.0072	.0002	.0005
%RSD	262.9	63.18	.0568	119.9	.2515	14.76	93.54	5.776	4051
#1	.0017	-.0069	8.517	-.0033	1.643	.0033	-.0007	-.0039	.1326
#2	-.0040	-.0239	8.521	-.0028	1.651	.0036	-.0073	-.0034	.1318
#3	.0108	-.0113	8.526	.0007	1.645	.0044	-.0150	-.0037	.1316
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2575.0	5096.3	4170.1	4249.7					
Stddev	1.6	7.4	36	28.4					
%RSD	.06396	.14557	.08666	.66941					
#1	2576.5	5104.8	4169.3	4241.9					
#2	2575.3	5092.9	4167.0	4281.2					
#3	2573.2	5091.2	4174.1	4225.9					

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Sample Name: MP30160-S1 Acquired: 3/25/2016 10:54:44 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0525	29.64	2.172	2.534	.0527	285.9	.0534	.5606	.2211
Stddev	.0011	.21	.003	.005	.0003	2.5	.0005	.0012	.0015
%RSD	2.103	.7080	.1508	.1877	.5782	.8655	.9267	.2125	.6963
#1	.0537	29.85	2.168	2.533	.0525	288.2	.0533	.5620	.2223
#2	.0523	29.43	2.173	2.539	.0527	286.2	.0539	.5601	.2193
#3	.0516	29.64	2.174	2.529	.0531	283.3	.0530	.5597	.2216
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)
Avg	.2542	165.5	33.50	99.63	3.094	5316	402.9	5680	5289
Stddev	.0028	1.0	.18	.95	.012	.0010	1.6	.0030	.0037
%RSD	1.095	.5782	.5316	.9506	.3715	.1829	.4081	.5281	.6950
#1	.2556	166.4	33.68	100.4	3.103	5324	404.7	5683	5247
#2	.2561	165.6	33.50	99.98	3.099	5305	402.7	5649	5313
#3	.2510	164.5	33.32	98.56	3.081	5318	401.4	5709	5307
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.5393	2.170	8.077	.5631	2.100	.5680	2.138	.5311	.7099
Stddev	.0024	.036	.004	.0014	.010	.0035	.006	.0033	.0026
%RSD	.4464	1.680	.0431	.2542	.4655	.6181	.2938	.6201	.3635
#1	.5420	2.170	8.081	.5645	2.111	.5708	2.140	.5341	.7113
#2	.5379	2.134	8.074	.5633	2.099	.5692	2.131	.5316	.7115
#3	.5378	2.207	8.076	.5616	2.091	.5641	2.144	.5276	.7069
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2550.9	5114.1	4203.1	4239.4					
Stddev	7.7	5.5	70	31.2					
%RSD	.30010	.10811	.16714	.73637					
#1	2542.4	5107.7	4195.1	4214.3					
#2	2553.0	5116.7	4208.2	4229.7					
#3	2557.3	5117.8	4206.0	4274.4					

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7.1
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Sample Name: MP30160-S2 Acquired: 3/25/2016 10:59:05 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0549	31.22	2.227	2.671	0.0561	307.2	0.0560	0.5842	0.2363
Stddev	.0016	.28	.001	.017	.0006	2.2	.0005	.0016	.0017
%RSD	2.927	.8911	.0341	.6501	1.060	.7112	.9712	.2738	.7061
#1	.0540	31.12	2.227	2.664	.0562	305.4	.0564	.5851	.2380
#2	.0568	31.53	2.227	2.690	.0566	309.6	.0554	.5823	.2347
#3	.0540	31.00	2.226	2.657	.0554	306.5	.0563	.5851	.2362
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.2680	176.3	35.10	106.0	3.274	5536	428.9	5852	5554
Stddev	.0018	1.3	.38	1.1	.013	.0024	2.5	.0013	.0037
%RSD	.6533	.7241	1.084	.9975	.4058	4.353	.5861	.2221	.6668
#1	.2700	175.4	34.96	105.5	3.271	.5510	428.2	.5838	.5576
#2	.2669	177.7	35.54	107.2	3.289	.5541	431.7	.5864	.5512
#3	.2670	175.7	34.82	105.3	3.263	.5557	426.8	.5854	.5576
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	0.5537	2.225	8.478	0.5869	2.240	0.5902	2.227	0.5506	0.7558
Stddev	.0075	.015	.007	.0006	.016	.0051	.016	.0008	.0016
%RSD	1.361	.6600	.0882	.1082	.7281	.8678	.7139	.1464	.2101
#1	.5609	2.221	8.485	.5871	2.226	.5897	2.227	.5515	.7539
#2	.5543	2.213	8.470	.5861	2.258	.5956	2.211	.5505	.7569
#3	.5459	2.241	8.478	.5873	2.237	.5854	2.243	.5499	.7564
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2518.0	5081.0	4126.1	4169.8					
Stddev	3.0	3.6	212	40.0					
%RSD	.11859	.07045	.51262	.95995					
#1	2515.9	5084.1	4119.0	4188.0					
#2	2516.6	5081.8	4109.4	4123.9					
#3	2521.4	5077.0	4149.9	4197.5					

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Sample Name: MP30160-PS1 Acquired: 3/25/2016 11:03:25 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0528	2.792	1.190	0.6934	0.0525	264.3	0.0541	0.0663	0.0538
Stddev	.0015	.047	.0016	.0061	.0005	.4	.0005	.0007	.0007
%RSD	2.863	1.684	1.325	.8802	.9392	.1362	.8876	1.084	1.243
#1	.0522	2.817	1.173	.7001	.0521	263.9	.0546	.0655	.0543
#2	.0545	2.821	1.191	.6881	.0525	264.4	.0537	.0668	.0530
#3	.0517	2.738	1.204	.6921	.0530	264.6	.0540	.0666	.0540
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0939	138.6	16.68	76.95	2.542	1013	381.4	1.142	0.0540
Stddev	.0006	.6	.22	.35	.009	.0003	.7	.0006	.0015
%RSD	.6322	.4508	1.327	.4528	.3555	.3274	.1834	.5271	2.862
#1	.0938	138.2	16.70	77.34	2.545	.1009	381.2	.1148	.0551
#2	.0945	138.2	16.44	76.79	2.531	.1016	380.8	.1136	.0522
#3	.0933	139.3	16.89	76.70	2.548	.1014	382.2	.1143	.0547
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349			

Sample Name: MP30160-SD1 Acquired: 3/25/2016 11:08:01 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 50.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.025	-2.257	0.134	4.421	-0.107	272.5	-0.020	0.075	-0.164
Stddev	.0087	.2769	.0395	.0094	.0011	.7	.0010	.0037	.0049
%RSD	348.4	122.7	294.0	2.131	9.971	2.432	47.46	48.63	29.79
#1	-.0122	.0940	-.0321	.4315	-.0119	271.7	-.0015	.0034	-.0132
#2	-.0049	-.3908	.0336	.4495	-.0102	273.0	-.0031	.0089	-.0139
#3	-.0002	-.3802	.0389	.4453	-.0099	272.7	-.0014	.0103	-.0220
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0973	141.3	5.452	74.49	2.613	-0.467	385.8	-0.050	0.020
Stddev	.0066	.9	1.520	.53	.005	.0037	1.3	.0046	.0189
%RSD	6.762	.6017	27.88	.7180	.1834	7.887	.3359	92.08	926.4
#1	-.1030	140.6	4.938	74.16	2.616	-.0494	384.4	-.0003	.0062
#2	-.0901	141.1	7.162	74.21	2.608	-.0481	387.0	-.0094	-.0186
#3	-.0986	142.3	4.255	75.11	2.615	-.0425	386.1	-.0052	-.0186
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0089	-0.054	8.147	-0.011	1.639	-0.152	0.541	-0.118	0.363
Stddev	.0258	.0379	.039	.0100	.006	.0024	.0210	.0070	.0010
%RSD	290.7	68.43	4.781	905.8	.3587	15.24	38.84	59.49	2.660
#1	-.0095	-.0931	8.110	.0099	1.633	-.0169	.0482	-.0094	.3646
#2	-.0172	-.0172	8.188	-.0095	1.642	-.0161	.0367	-.0063	.3633
#3	-.0343	-.0560	8.143	-.0038	1.644	-.0125	.0775	-.0198	.3628
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2667.2	5175.0	42605.	4223.6					
Stddev	6.2	9.8	109.	8.6					
%RSD	.23253	.18948	.25644	.20393					
#1	2672.2	5185.4	42479.	4233.4					
#2	2660.3	5165.9	42675.	4220.5					
#3	2669.2	5173.7	42661.	4217.1					

Sample Name: FA32283-4 Acquired: 3/25/2016 11:12:29 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.547	0.197	2.895	-0.002	126.0	-0.007	0.041	0.006
Stddev	.0004	.0107	.0005	.0014	.0001	.4	.0001	.0001	.0002
%RSD	256.5	19.63	2.563	4.950	31.35	3272	12.24	2.228	36.77
#1	-.0006	.0572	.0197	.2911	-.0001	126.2	-.0007	.0042	.0005
#2	-.0001	.0640	.0192	.2888	-.0002	125.5	-.0007	.0040	.0004
#3	-.0002	.0429	.0202	.2885	-.0001	126.3	-.0008	.0042	.0009
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.004	58.69	7.056	35.58	1.287	-0.002	135.6	0.028	-0.005
Stddev	.0003	.21	.050	.19	.005	.0000	.1	.0002	.0011
%RSD	71.58	.3503	.7065	.5202	.3622	21.09	.0729	7.626	227.8
#1	-.0002	58.86	7.105	35.37	1.282	-.0002	135.5	.0026	-.0017
#2	-.0007	58.46	7.057	35.70	1.287	-.0002	135.6	.0030	-.0005
#3	-.0003	58.74	7.006	35.68	1.291	-.0002	135.7	.0026	-.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0002	-0.014	8.778	0.005	0.879	0.023	0.002	0.002	0.210
Stddev	.0007	.0014	.008	.0001	.0036	.0000	.0021	.0001	.0001
%RSD	319.7	105.7	.0871	26.60	.4193	1.585	982.6	35.23	.4711
#1	-.0008	.0001	8.772	.0004	.8719	.0024	-.0022	.0003	.0211
#2	-.0005	-.0014	8.776	.0006	.8671	.0023	.0015	.0002	.0209
#3	-.0004	-.0028	8.787	.0006	.8647	.0023	.0013	.0002	.0210
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2344.9	4818.0	39691.	4050.6					
Stddev	1.8	8.6	79.	26.2					
%RSD	.07845	.17842	.20012	.64688					
#1	2345.7	4824.3	39741.	4060.8					
#2	2346.3	4821.5	39731.	4070.2					
#3	2342.8	4808.2	39599.	4020.9					

Sample Name: CCV Acquired: 3/25/2016 11:17:03 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.610	41.48	2.018	2.083	2.063	42.48	2.076	2.075	2.100
Stddev	.0006	.09	.005	.003	.007	.09	.001	.001	.004
%RSD	.2184	.2229	.2345	.1330	.3457	.2015	.0515	.0557	.1951
#1	.2611	41.42	2.021	2.085	2.071	42.47	2.077	2.076	2.104
#2	.2604	41.58	2.013	2.083	2.063	42.57	2.075	2.075	2.100
#3	.2615	41.42	2.021	2.080	2.057	42.40	2.075	2.073	2.096

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.052	40.83	41.90	42.03	2.090	2.076	41.10	2.060	2.058
Stddev	.004	.04	.10	.12	.010	.001	.07	.003	.009
%RSD	.1909	.1080	.2338	.2846	.4796	.0440	.1712	.1302	.4109
#1	2.057	40.84	41.94	41.95	2.102	2.076	41.16	2.062	2.060
#2	2.050	40.86	41.79	42.17	2.084	2.077	41.12	2.061	2.048
#3	2.050	40.78	41.97	41.98	2.084	2.075	41.02	2.057	2.064

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.017	2.028	2.315	2.120	2.119	2.104	2.065	2.089	2.111
Stddev	.004	.004	.003	.000	.004	.009	.006	.007	.001
%RSD	.1746	.1738	.1133	.0134	.1878	.4038	.2925	.3465	.0309
#1	2.016	2.029	2.317	2.120	2.118	2.114	2.064	2.097	2.112
#2	2.021	2.024	2.315	2.120	2.124	2.099	2.059	2.087	2.111
#3	2.014	2.031	2.312	2.119	2.116	2.099	2.071	2.083	2.111

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/25/2016 11:17:03 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2314.7	4934.0	40522.	4039.0
Stddev	3.0	8.3	87.	10.4
%RSD	.12786	.16847	.21491	.25666
#1	2316.8	4936.5	40434.	4051.0
#2	2316.0	4924.8	40526.	4033.6
#3	2311.3	4940.8	40608.	4032.5

Sample Name: CCB Acquired: 3/25/2016 11:21:14 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0003	-0.001	.0001	.0001	.0045	.0002	.0001	-0.001
Stddev	.0002	.0020	.0004	.0002	.0000	.0016	.0000	.0000	.0001
%RSD	95.60	719.1	398.3	302.4	52.60	34.80	30.03	34.97	190.9

#1	.0000	.0025	.0001	-0.001	.0000	.0035	.0002	.0001	-0.003
#2	.0004	-0.0001	-0.0005	.0002	.0001	.0037	.0001	.0001	.0000
#3	.0001	-0.0015	.0001	.0001	.0001	.0064	.0001	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0017	.0112	-0.134	-0.170	.0001	.0007	.0176	.0002	.0001
Stddev	.0001	.0010	.0134	.0156	.0001	.0003	.0078	.0001	.0004
%RSD	7.200	8.844	100.2	91.93	60.43	38.20	44.22	56.29	349.0

#1	-0.0019	.0123	-0.252	-0.311	.0002	.0010	.0140	.0003	.0000
#2	-0.0017	.0104	.0012	-0.003	.0001	.0005	.0266	.0002	.0005
#3	-0.0016	.0108	-0.162	-0.195	.0001	.0005	.0123	.0001	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	.0005	-0.0015	.0003	.0001	.0005	-0.0003	.0000	-0.0004
Stddev	.0003	.0016	.0001	.0001	.0001	.0001	.0004	.0003	.0000
%RSD	38.81	350.7	5.167	19.25	58.09	22.14	132.0	3331.	11.85

#1	.0006	-0.0011	-0.0015	.0003	.0001	.0007	-0.0008	.0002	-0.0004
#2	.0012	.0020	-0.0014	.0004	.0001	.0005	-0.0003	.0001	-0.0005
#3	.0007	.0005	-0.0015	.0003	.0002	.0005	.0001	-0.0003	-0.0004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/25/2016 11:21:14 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2710.3	5218.6	4276.0	4199.7
Stddev	5.2	3.0	62.	7.1
%RSD	.19293	.05749	.14486	.16870

#1	2705.8	5219.1	42733.	4193.0
#2	2716.1	5215.4	42831.	4207.1
#3	2709.1	5221.3	42716.	4199.0

Sample Name: FA32283-6 Acquired: 3/25/2016 11:25:45 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.0003	1.357	.0098	.3689	-0.0001	275.2	-0.0005	.0173	.0015
Stddev	.0001	.0005	.0011	.0004	.0000	1.7	.0000	.0003	.0001
%RSD	31.04	.3359	10.87	.1035	39.87	.6092	4.747	1.483	9.731

#1	-0.0004	1.360	.0086	.3685	-0.0001	275.6	-0.0005	.0172	.0016
#2	-0.0002	1.352	.0106	.3692	-0.0001	276.7	-0.0005	.0171	.0014
#3	-0.0003	1.360	.0102	.3689	-0.0001	273.4	-0.0005	.0176	.0016

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0007	51.55	9.792	33.96	1.103	.0110	F 323.0	.0089	.0003
Stddev	.0001	.10	.025	.07	.012	.0002	2.1	.0000	.0005
%RSD	19.89	.2013	.2545	.2135	1.074	1.726	.6456	.2846	184.3

#1	.0006	51.44	9.789	33.96	1.099	.0112	320.5	.0089	-0.0002
#2	.0009	51.65	9.817	34.03	1.093	.0108	324.2	.0088	.0003
#3	.0007	51.55	9.768	33.88	1.116	.0109	324.1	.0088	.0008

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0000	.0009	7.234	.0007	1.568	.0076	.0009	.0027	.0291
Stddev	.0008	.0009	.014	.0002	.003	.0009	.0006	.0001	.0000
%RSD	24770.	105.5	.1943	23.79	.1772	11.54	66.67	4.050	.0799

#1	.0008	.0007	7.231	.0006	1.565	.0082	.0007	.0028	.0291
#2	.0001	.0001	7.222	.0008	1.571	.0079	.0016	.0027	.0291
#3	-0.0009	.0019	7.249	.0006	1.568	.0066	.0005	.0026	.0291

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2193.5	4682.4	38185.	4009.7
Stddev	4.6	8.9	209.	5.4
%RSD	.21170	.18994	.54604	.13493

#1	2196.8	4683.4	38293.	4015.2
#2	2195.5	4690.8	38318.	4009.4
#3	2188.2	4673.1	37945.	4004.4

Sample Name: FA32283-8 Acquired: 3/25/2016 11:30:25 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.0006	.0633	.0182	.4219	-0.0002	198.4	-0.0009	.0023	.0005
Stddev	.0004	.0118	.0004	.0015	.0000	1.0	.0000	.0000	.0003
%RSD	61.33	18.56	2.230	.3501	4.112	.5182	5.087	2.042	66.79

#1	-0.0004	.0537	.0178	.4211	-0.0002	197.4	-0.0009	.0023	.0006
#2	-0.0004	.0764	.0186	.4209	-0.0002	198.3	-0.0009	.0023	.0001
#3	-0.0010	.0598	.0183	.4236	-0.0002	199.5	-0.0008	.0023	.0008

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0003	96.79	5.986	59.59	1.819	.0001	F 159.5	.0023	-0.0016
Stddev	.0001	.29	.020	.31	.002	.0002	1.3	.0003	.0009
%RSD	38.96	.3005	.3377	.5182	.0881	181.9	.8433	10.99	57.13

#1	-0.0003	96.69	5.962	59.26	1.820	.0001	158.0	.0024	-0.0024
#2	-0.0004	96.57	5.995	59.64	1.817	-0.0001	160.4	.0020	-0.0019
#3	-0.0002	97.12	5.999	59.88	1.819	.0003	160.3	.0025	-0.0006

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0002	.0003	9.566	.0006	1.265	.0021	.0006	.0006	.1085
Stddev	.0015	.0019	.019	.0002	.002	.0004	.0009	.0001	.0002
%RSD	610.1	597.9	.1946	34.08	.1323	18.62	140.9	24.79	.1383

#1	-0.0014	-0.0010	9.551	.0004	1.265	.0025	-0.0004	.0007	.1084
#2	-0.0015	.0024	9.560	.0006	1.263	.0018	.0009	.0006	.1084
#3	-0.0009	-0.0005	9.587	.0008	1.266	.0020	.0013	.0004	.1086

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2277.5	4725.1	38670.	4004.7
Stddev	6.7	11.1	101.	14.6
%RSD	.29380	.23495	.26192	.36533

#1	2281.4	4735.4	38555.	4019.6
#2	2281.3	4726.7	38748.	4004.2
#3	2269.8	4713.4	38705.	3990.3

Sample Name: FA32302-2 Acquired: 3/25/2016 11:34:58 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	127.4	0.141	2.298	0.066	255.7	-0.011	2.547	1.586
Stddev	.0015	.2	.0027	.004	.0002	.8	.0002	.0004	.0013
%RSD	1235.	.1672	18.78	.1737	3.571	.3303	17.83	.1543	.8164
#1	-.0007	127.5	.0172	2.299	.0068	254.9	-.0012	.2549	.1591
#2	.0016	127.1	.0126	2.293	.0064	255.7	-.0009	.2549	.1597
#3	-.0012	127.5	.0126	2.301	.0065	256.6	-.0012	.2542	.1572
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0848	145.7	12.14	181.6	16.67	-0.032	286.3	2.623	0.688
Stddev	.0010	.3	.06	.9	.04	.0005	.4	.0018	.0038
%RSD	1.196	.1744	.5261	.4723	.2698	16.96	.1501	.6695	5.572
#1	.0846	145.4	12.21	180.7	16.70	-.0037	286.3	.2612	.0711
#2	.0839	145.6	12.13	182.4	16.62	-.0026	285.8	.2614	.0709
#3	.0859	145.9	12.09	181.6	16.69	-.0033	286.7	.2644	.0644
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0042	-0.0033	66.59	-0.004	9508	5.144	0.072	2.213	5.036
Stddev	.0072	.0031	.08	.0009	.0013	.0011	.0043	.0014	.0016
%RSD	172.2	95.69	.1143	.2425	.1389	.2228	60.37	.6346	.3224
#1	-.0018	-.0011	66.64	-.0008	.9521	.5144	.0104	.2225	.5042
#2	.0122	-.0019	66.50	.0007	.9494	.5155	.0089	.2198	.5049
#3	.0021	-.0069	66.63	-.0011	.9507	.5132	.0022	.2216	.5018
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2417.0	5263.8	42926	4277.5					
Stddev	3.2	7.2	98.	12.2					
%RSD	.13334	.13722	.22885	.28549					
#1	2419.8	5271.0	42843.	4291.1					
#2	2413.5	5256.6	43035.	4273.8					
#3	2417.8	5263.8	42900.	4267.6					

Sample Name: MP30167-MB1 Acquired: 3/25/2016 11:39:27 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.000	-0.012	-0.010	-0.001	-0.002	-0.004	-0.002	-0.002	-0.003
Stddev	.0001	.0021	.0009	.0002	.0000	.0016	.0000	.0001	.0001
%RSD	328.6	181.8	81.69	195.4	24.84	399.7	.5058	34.22	46.54
#1	.0002	.0008	-.0020	-.0002	-.0001	.0015	-.0002	-.0001	-.0004
#2	.0000	-.0034	-.0006	.0002	-.0002	-.0015	-.0002	-.0002	-.0002
#3	-.0001	-.0009	-.0005	-.0003	-.0002	-.0013	-.0002	-.0002	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0023	0.0114	0.502	-0.0090	0.0001	-0.007	0.741	-0.002	-0.004
Stddev	.0002	.0015	.0143	.0220	.0000	.0001	.0076	.0001	.0003
%RSD	6.530	13.31	28.55	245.4	20.18	19.06	10.27	90.11	79.56
#1	-.0022	.0127	.0662	.0159	.0001	-.0006	.0692	.0000	-.0008
#2	-.0022	.0119	.0387	-.0170	.0001	-.0006	.0702	-.0002	-.0003
#3	-.0025	.0097	.0457	-.0257	.0001	-.0008	.0829	-.0003	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0008	0.0011	0.049	0.001	-0.002	-0.003	-0.010	-0.002	-0.005
Stddev	.0003	.0010	.0002	.0002	.0001	.0001	.0009	.0001	.0000
%RSD	34.49	91.98	3.794	256.1	50.39	17.80	91.87	52.99	2.340
#1	.0012	.0020	.0051	.0000	-.0002	-.0003	-.0020	-.0003	-.0005
#2	.0007	.0012	.0050	.0000	-.0001	-.0004	-.0003	-.0003	-.0005
#3	.0007	.0000	.0047	.0003	-.0002	-.0003	-.0006	-.0001	-.0005
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

7.1
7

Sample Name: MP30167-MB1 Acquired: 3/25/2016 11:39:27 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2705.2	5203.5	43286	4150.3
Stddev	5.3	3.5	42.	19.7
%RSD	.19506	.06736	.09626	.47491
#1	2699.2	5199.8	43247.	4132.5
#2	2709.1	5203.8	43330.	4146.9
#3	2707.4	5206.8	43282.	4171.5

Sample Name: MP30167-B1 Acquired: 3/25/2016 11:43:59 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0492	29.39	2.008	2.135	0.537	28.08	0.526	5.258	2.150
Stddev	.0007	.14	.008	.008	.0003	.20	.0001	.0008	.0010
%RSD	1.401	.4903	.4175	.3691	.5139	.7153	.1643	.1474	.4449
#1	.0484	29.29	2.006	2.128	.0536	27.86	.0525	.5250	.2151
#2	.0495	29.33	2.000	2.133	.0536	28.13	.0527	.5259	.2141
#3	.0497	29.56	2.017	2.143	.0540	28.26	.0527	.5265	.2160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.650	28.67	27.71	28.00	5.427	5.225	26.93	5.289	5.092
Stddev	.0008	.12	.16	.19	.0011	.0016	.07	.0003	.0006
%RSD	.2960	.4290	.5617	.6688	.1992	.3141	.2471	.0515	.1193
#1	.2641	28.55	27.53	27.80	.5419	.5209	26.87	.5286	.5089
#2	.2657	28.65	27.79	28.03	.5422	.5225	26.92	.5289	.5088
#3	.2651	28.80	27.81	28.17	.5439	.5242	27.00	.5291	.5099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.092	2.028	0.188	5.436	5.298	5.321	2.024	5.024	5.391
Stddev	.0017	.008	.0002	.0011	.0023	.0005	.005	.0004	.0012
%RSD	.3260	.3903	1.210	.2055	.4285	.0941	.2618	.0705	.2233
#1	.5087	2.026	.0189	5.424	.5281	5.315	2.026	.5027	.5384
#2	.5079	2.021	.0189	5.437	.5289	5.323	2.019	.5020	.5405
#3	.5111	2.037	.0185	5.446	.5323	5.324	2.029	.5024	.5383
Check ?	Chk Pass	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value Range									

Sample Name: MP30167-B1 Acquired: 3/25/2016 11:43:59 Type: QC
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2440.5	5032.3	4121.0	4057.7
Stddev	1.2	8.4	101.	26.9
%RSD	.05035	.16646	.24599	.66238

#1	2441.7	5039.9	4131.8	4088.1
#2	2439.3	5033.7	41195.	4048.0
#3	2440.5	5023.3	41117.	4037.1

Sample Name: FA32364-4 Acquired: 3/25/2016 11:48:11 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	0.053	0.060	0.101	-0.002	103.2	-0.002	-0.001	-0.001
Stddev	.0002	.0059	.0003	.0002	.0000	.2	.0000	.0001	.0001
%RSD	71.77	109.6	4.870	2.187	10.48	.1948	14.84	50.51	88.72

#1	-0.004	-0.014	.0061	.0103	-0.002	103.4	-0.002	-0.001	.0000
#2	.0000	.0095	.0063	.0100	-0.002	103.2	-0.002	-0.002	-0.002
#3	-0.004	.0079	.0057	.0099	-0.002	103.1	-0.001	-0.002	-0.001

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(In2306)
Avg	-0.019	3.513	1.148	2.754	0.336	0.007	11.75	-0.003	-0.006
Stddev	.0002	.010	.010	.014	.0001	.0000	.02	.0001	.0004
%RSD	8.168	.2902	.8330	.5033	.2989	6.445	.1435	22.19	74.01

#1	-0.017	3.521	1.144	2.747	.0335	.0006	11.74	-0.003	-0.001
#2	-0.020	3.501	1.140	2.746	.0336	.0007	11.75	-0.004	-0.007
#3	-0.020	3.516	1.158	2.770	.0337	.0007	11.77	-0.003	-0.008

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.012	0.009	2.825	0.005	0.853	0.007	0.008	0.003	0.054
Stddev	.0004	.0008	.002	.0002	.0029	.0002	.0015	.0002	.0000
%RSD	32.87	91.30	0.703	35.81	.3456	27.06	194.5	60.37	.3199

#1	.0017	.0007	2.827	.0004	.8509	.0006	.0021	.0005	.0054
#2	.0011	.0002	2.826	.0007	.8485	.0009	.0010	.0001	.0054
#3	.0009	.0017	2.823	.0004	.8544	.0005	-0.008	.0003	.0054

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2479.1	4958.4	40895.	4070.2
Stddev	5.2	2.5	92.	8.4
%RSD	.21094	.05135	.22584	.20699

#1	2474.1	4958.7	40885.	4067.5
#2	2484.5	4955.7	40992.	4063.5
#3	2478.6	4960.7	40808.	4079.7

7.1
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Sample Name: MP30167-D1 Acquired: 3/25/2016 11:52:40 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.001	0.021	0.064	0.099	-0.002	103.6	-0.002	-0.002	-0.002
Stddev	.0002	.0081	.0002	.0002	.0000	.6	.0000	.0001	.0001
%RSD	236.2	378.7	3.623	1.804	16.58	.5470	17.36	92.88	61.25

#1	-0.004	-0.033	.0063	.0099	-0.002	103.9	-0.002	-0.001	-0.003
#2	.0001	.0115	.0066	.0097	-0.002	102.9	-0.001	-0.001	-0.001
#3	.0000	-0.017	.0062	.0100	-0.001	103.9	-0.002	-0.003	-0.002

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	
Avg	-0.018	3.532	1.153	2.787	0.340	0.004	11.84	-0.002	-0.001
Stddev	.0001	.014	.030	.018	.0001	.0001	.00	.0002	.0006
%RSD	4.731	.3809	2.563	.6437	.4051	16.00	.0391	71.61	459.7

#1	-0.018	3.543	1.172	2.768	.0342	.0003	11.85	.0000	-0.008
#2	-0.018	3.517	1.119	2.788	.0340	.0003	11.84	-0.003	.0001
#3	-0.017	3.536	1.169	2.804	.0339	.0004	11.85	-0.003	.0003

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.007	0.015	2.852	0.007	0.856	0.005	-0.005	0.003	0.054
Stddev	.0009	.0007	.006	.0001	.0034	.0001	.0012	.0001	.0001
%RSD	118.6	44.98	.2053	18.89	.3970	14.05	253.4	38.08	1.648

#1	.0010	.0009	2.846	.0009	.8590	.0005	-0.018	.0003	.0053
#2	.0014	.0013	2.857	.0006	.8527	.0004	.0003	.0002	.0055
#3	-0.002	.0022	2.854	.0006	.8581	.0005	.0002	.0004	.0055

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2465.8	4908.0	40161.	3989.4
Stddev	3.0	11.7	64.	36.5
%RSD	.12022	.23763	.15861	.91434

#1	2466.3	4916.1	40180.	3960.4
#2	2462.7	4894.6	40090.	4030.3
#3	2468.6	4913.2	40214.	3977.4

Sample Name: MP30167-SD1 Acquired: 3/25/2016 11:57:09 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.009	0.006	0.033	0.092	-0.010	98.84	-0.004	-0.005	-0.019
Stddev	.0007	.0110	.0038	.0014	.0004	.44	.0001	.0004	.0006
%RSD	78.62	1873.	115.5	14.82	38.61	.4497	22.51	83.47	29.59

#1	-0.001	.0105	.0074	.0102	-0.013	98.33	-0.005	.0000	-0.021
#2	-0.013	-0.012	.0027	.0099	-0.010	99.09	-0.003	-0.009	-0.024
#3	-0.013	.0025	-0.002	.0077	-0.006	99.11	-0.004	-0.007	-0.013

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.097	3.367	0.915	2.621	0.320	-0.033	11.38	-0.006	-0.024
Stddev	.0009	.044	.0885	.068	.0001	.0005	.13	.0004	.0021
%RSD	9.123	1.313	8.926	2.592	.3642	15.13	1.116	68.50	84.97

#1	-0.089	3.316	.9970	2.621	.0319	-0.029	11.24	-0.002	-0.002
#2	-0.106	3.392	1.077	2.553	.0321	-0.031	11.49	-0.005	-0.029
#3	-0.095	3.393	.9004	2.688	.0321	-0.039	11.42	-0.010	-0.042

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.040	-0.026	2.725	-0.003	0.815	0.003	0.018	-0.003	0.398
Stddev	.0038	.0051	.006	.0017	.0057	.0003	.0050	.0004	.0002
%RSD	94.04	195.5	.2088	507.0	.7018	108.7	277.0	136.5	.4337

#1	-0.071	.0007	2.721	-0.022	.8051	.0006	.0068	.0001	.0396
#2	-0.051	.0000	2.732	.0004	.8132	.0003	-0.032	-0.007	.0397
#3	.0002	-0.085	2.723	.0008	.8161	.0000	.0018	-0.003	.0400

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2667.1	5176.5	42782.	4169.7
Stddev	4.6	8.8	149.	15.8
%RSD	.17299	.16978	.34751	.37872

#1	2668.7	5171.6	42840.	4187.9
#2	2670.6	5171.2	42613.	4160.1
#3	2661.8	5186.6	42892.	4161.0

Sample Name: MP30167-PS1 Acquired: 3/25/2016 12:01:38 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0507	2.742	.1165	.2864	.0553	105.4	.0552	.0552	.0567
Stddev	.0002	.017	.0015	.0007	.0002	.5	.0001	.0001	.0001
%RSD	.3689	.6238	1.287	.2527	.3139	.4639	.0974	.2098	.2644
#1	.0510	2.746	.1159	.2857	.0554	105.6	.0552	.0553	.0569
#2	.0506	2.724	.1182	.2871	.0554	105.7	.0553	.0552	.0567
#3	.0507	2.757	.1154	.2863	.0551	104.8	.0553	.0551	.0566
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1108	6.737	11.91	8.123	.0901	1.093	22.18	.1095	.0517
Stddev	.0009	.019	.04	.044	.0004	.0004	.07	.0001	.0002
%RSD	.8565	.2834	.3754	.5466	.4684	.4063	.3346	.0987	.2960
#1	.1098	6.734	11.88	8.119	.0905	1.096	22.26	.1096	.0515
#2	.1117	6.758	11.96	8.169	.0902	1.088	22.19	.1094	.0517
#3	.1109	6.720	11.89	8.080	.0897	1.096	22.11	.1096	.0518
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1126	.1067	2.820	.0535	.8746	.1129	1.040	.0541	.2957
Stddev	.0010	.0006	.004	.0002	.0011	.0007	.0015	.0001	.0003
%RSD	.8757	.5804	.1349	.4145	.1292	.6536	1.467	.1802	.1020
#1	.1116	.1060	2.817	.0535	.8752	.1122	1.057	.0541	.2953
#2	.1136	.1069	2.819	.0533	.8753	.1137	1.031	.0539	.2959
#3	.1125	.1072	2.824	.0538	.8733	.1128	1.031	.0541	.2957
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2433.5	4939.2	4080.0	4055.8					
Stddev	6.0	8.5	102.	19.5					
%RSD	.24818	.17230	.25101	.48080					
#1	2440.5	4947.8	4078.2	4033.5					
#2	2430.1	4939.2	4070.7	4064.0					
#3	2430.0	4930.8	4091.0	4069.8					

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Sample Name: MP30167-S1 Acquired: 3/25/2016 12:05:56 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0494	29.28	2.068	2.105	.0545	125.9	.0527	.5198	.2141
Stddev	.0003	.04	.004	.010	.0001	.3	.0001	.0004	.0009
%RSD	.6309	.1485	.1908	.4838	.1435	.2598	.1144	.0794	.4111
#1	.0491	29.28	2.064	2.100	.0546	126.2	.0527	.5193	.2152
#2	.0497	29.23	2.071	2.098	.0544	125.5	.0526	.5201	.2135
#3	.0493	29.32	2.071	2.117	.0545	126.0	.0527	.5200	.2138
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2669	31.86	28.55	30.07	.5773	5.222	38.91	.5288	.5157
Stddev	.0003	.02	.12	.06	.0036	.0004	.10	.0014	.0015
%RSD	.0994	.0638	.4351	.1978	.6299	.0698	.2557	.2612	.2910
#1	.2672	31.88	28.55	30.14	.5814	5.219	38.85	.5277	.5141
#2	.2669	31.84	28.43	30.05	.5743	5.221	38.86	.5284	.5162
#3	.2666	31.86	28.68	30.03	.5764	5.226	39.02	.5304	.5169
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5180	2.065	2.811	.5345	1.330	.5411	2.038	.5111	.5335
Stddev	.0017	.007	.007	.0005	.005	.0022	.004	.0017	.0012
%RSD	.3234	.3607	.2385	.0958	.3789	.3994	.1708	.5097	.5342
#1	.5190	2.056	2.804	.5350	1.328	.5434	2.034	.5130	.5342
#2	.5161	2.067	2.814	.5340	1.327	.5391	2.039	.5107	.5321
#3	.5189	2.071	2.816	.5346	1.336	.5407	2.041	.5097	.5342
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2347.7	4922.4	4040.5	4060.3					
Stddev	3.0	1.7	211.	14.2					
%RSD	.12708	.03503	.52151	.35023					
#1	2346.6	4922.3	4023.8	4044.5					
#2	2345.4	4920.8	4064.2	4064.2					
#3	2351.0	4924.2	4033.6	4072.1					

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Sample Name: CCV Acquired: 3/25/2016 12:10:07 Type: QC
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2510	39.36	1.976	1.961	1.984	40.13	2.021	2.002	2.025
Stddev	.0008	.07	.002	.006	.003	.09	.001	.002	.005
%RSD	.3033	.1709	.1144	.2875	.1281	.2253	.0425	.0911	.2338
#1	.2516	39.40	1.977	1.965	1.986	40.08	2.021	2.004	2.029
#2	.2502	39.39	1.977	1.964	1.984	40.23	2.021	2.000	2.020
#3	.2513	39.28	1.973	1.955	1.981	40.07	2.020	2.002	2.024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.955	38.99	39.72	39.93	2.029	2.005	39.43	2.013	2.000
Stddev	.005	.15	.08	.16	.004	.003	.09	.002	.005
%RSD	.2565	.3774	.1969	.3993	.2027	.1533	.2178	.0721	.2350
#1	1.953	38.96	39.69	39.75	2.032	2.004	39.52	2.012	2.005
#2	1.952	39.15	39.82	40.06	2.024	2.003	39.42	2.014	1.996
#3	1.961	38.85	39.67	39.97	2.029	2.008	39.35	2.012	1.998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.963	1.973	2.255	2.038	1.999	2.042	2.007	2.027	2.034
Stddev	.002	.008	.002	.002	.004	.003	.005	.005	.003
%RSD	.0750	.4009	.0910	.1160	.2144	.1501	.2440	.2450	.1240
#1	1.964	1.979	2.254	2.040	2.001	2.044	2.013	2.033	2.036
#2	1.962	1.964	2.254	2.036	2.002	2.039	2.006	2.024	2.034
#3	1.963	1.976	2.258	2.039	1.994	2.044	2.003	2.025	2.031
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 3/25/2016 12:10:07 Type: QC
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2410.3	5097.0	4212.7	4227.4
Stddev	1.7	8.5	13.	12.0
%RSD	.06866	.16766	.02999	.28318
#1	2410.4	5099.6	4211.4	4233.6
#2	2412.0	5104.0	4213.9	4213.7
#3	2408.7	5087.5	4212.8	4235.1

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Sample Name: CCB Acquired: 3/25/2016 12:14:18 Type: QC
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0035	.0000	.0004	.0002	.0043	.0002	.0002	-0.0002
Stddev	.0002	.0005	.0000	.0003	.0001	.0032	.0000	.0001	.0002
%RSD	186.4	13.93	21230.	69.88	40.55	73.63	17.80	44.57	80.35
#1	.0002	.0040	-0.0002	.0002	.0002	.0066	.0002	.0002	-0.0003
#2	-0.001	.0030	-0.0003	.0002	.0002	.0056	.0002	.0001	.0000
#3	.0002	.0035	.0005	.0007	.0001	.0007	.0001	.0002	-0.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0017	.0095	.0278	.0040	.0001	.0007	.0373	.0002	-0.0004
Stddev	.0001	.0036	.0325	.0204	.0000	.0002	.0024	.0001	.0004
%RSD	7.569	37.54	116.7	505.0	27.75	32.37	6.374	61.36	97.28
#1	-0.0017	.0132	-0.0072	.0225	.0002	.0009	.0396	.0003	-0.0002
#2	-0.0017	.0090	.0338	-0.0178	.0001	.0008	.0374	.0001	-0.0002
#3	-0.0015	.0062	.0569	.0074	.0001	.0005	.0349	.0003	-0.0009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014	.0003	-0.0011	.0002	.0003	.0007	.0010	.0002	-0.0004
Stddev	.0005	.0006	.0004	.0003	.0000	.0001	.0009	.0002	.0001
%RSD	36.29	183.7	33.66	115.6	17.38	11.47	86.34	91.84	18.37
#1	.0019	.0003	-0.0013	.0005	.0003	.0008	.0018	.0003	-0.0003
#2	.0009	-0.0003	-0.0014	.0000	.0003	.0008	.0010	.0004	-0.0004
#3	.0013	.0009	-0.0007	.0002	.0002	.0006	.0001	.0000	-0.0004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: CCB Acquired: 3/25/2016 12:14:18 Type: QC
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2705.2	5145.9	42345.	4180.0
Stddev	5.7	10.3	160.	32.7
%RSD	.20887	.20028	.37899	.78342
#1	2703.5	5148.2	42220.	4212.3
#2	2711.5	5154.9	42290.	4181.0
#3	2700.6	5134.7	42526.	4146.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0017	.0095	.0278	.0040	.0001	.0007	.0373	.0002	-0.0004
Stddev	.0001	.0036	.0325	.0204	.0000	.0002	.0024	.0001	.0004
%RSD	7.569	37.54	116.7	505.0	27.75	32.37	6.374	61.36	97.28
#1	-0.0017	.0132	-0.0072	.0225	.0002	.0009	.0396	.0003	-0.0002
#2	-0.0017	.0090	.0338	-0.0178	.0001	.0008	.0374	.0001	-0.0002
#3	-0.0015	.0062	.0569	.0074	.0001	.0005	.0349	.0003	-0.0009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014	.0003	-0.0011	.0002	.0003	.0007	.0010	.0002	-0.0004
Stddev	.0005	.0006	.0004	.0003	.0000	.0001	.0009	.0002	.0001
%RSD	36.29	183.7	33.66	115.6	17.38	11.47	86.34	91.84	18.37
#1	.0019	.0003	-0.0013	.0005	.0003	.0008	.0018	.0003	-0.0003
#2	.0009	-0.0003	-0.0014	.0000	.0003	.0008	.0010	.0004	-0.0004
#3	.0013	.0009	-0.0007	.0002	.0002	.0006	.0001	.0000	-0.0004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: MP30167-S2 Acquired: 3/25/2016 12:18:51 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0497	29.40	2.073	2.108	.0544	125.1	.0529	.5208	2154
Stddev	.0001	.15	.004	.003	.0003	.8	.0001	.0009	.0003
%RSD	.2861	.5014	.1881	.1168	.5162	.6111	.1404	.1781	.1577
#1	.0498	29.35	2.076	2.108	.0541	124.7	.0529	.5198	2150
#2	.0495	29.27	2.069	2.111	.0546	126.0	.0529	.5209	2157
#3	.0497	29.28	2.073	2.106	.0544	124.6	.0530	.5216	2155

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2665	31.91	28.60	30.01	.5801	5260	38.89	5298	5186
Stddev	.0003	.24	.04	.29	.0015	.0011	.22	.0017	.0022
%RSD	.1103	.7531	.1352	.9591	.2584	.2160	.5717	.3140	.4157
#1	.2666	31.72	28.60	29.91	.5805	5258	38.68	.5279	.5164
#2	.2668	32.18	28.64	30.33	.5813	5251	39.13	.5302	.5187
#3	.2662	31.83	28.56	29.78	.5784	5273	38.86	.5312	.5207

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5215	2.070	2.804	5.383	1.331	5.463	2.054	5.114	5.354
Stddev	.0024	.005	.003	.0010	.004	.0009	.002	.0015	.0014
%RSD	.4634	.2596	.1215	.1782	.2702	.1733	.1069	.3023	.2610
#1	.5202	2.065	2.805	5.382	1.331	5.461	2.055	5.117	5.338
#2	.5201	2.070	2.800	5.375	1.335	5.473	2.056	5.128	5.363
#3	.5243	2.076	2.806	5.394	1.328	5.454	2.052	5.097	5.362

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2348.4	4928.2	40487.	4071.5
Stddev	3.0	7.0	123.	34.8
%RSD	.12944	.14293	.30355	.85484
#1	2351.8	4931.0	40380.	4073.7
#2	2345.8	4933.4	40460.	4035.6
#3	2347.8	4920.2	40622.	4105.1

Sample Name: FA32364-1 Acquired: 3/25/2016 12:23:04 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.0002	.0282	.0414	.0048	-0.0002	77.54	-0.0001	-0.0001	.0005
Stddev	.0002	.0014	.0006	.0002	.0001	.04	.0000	.0001	.0002
%RSD	67.25	5.118	1.527	4.959	40.54	.0462	9.873	45.51	28.57
#1	-0.0002	.0265	.0410	.0048	-0.0003	77.56	-0.0001	-0.0002	.0007
#2	-0.0004	.0286	.0421	.0046	-0.0001	77.56	-0.0001	-0.0001	.0004
#3	-0.0001	.0293	.0410	.0051	-0.0002	77.50	-0.0001	-0.0001	.0005

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0010	.0442	1.970	2.742	.0018	.0017	11.26	-0.0002	-0.0004
Stddev	.0002	.0014	.010	.034	.0000	.0001	.02	.0000	.0006
%RSD	19.78	3.232	4878	1.232	1.287	4.084	.1430	22.56	159.4
#1	-0.0012	.0442	1.960	2.781	.0017	.0017	11.27	-0.0002	-0.0001
#2	-0.0008	.0456	1.979	2.726	.0018	.0018	11.24	-0.0001	-0.0011
#3	-0.0010	.0428	1.970	2.719	.0018	.0017	11.26	-0.0001	.0001

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0046	.0040	2.959	.0004	.4824	.0012	.0002	.0033	.0068
Stddev	.0001	.0008	.005	.0001	.0016	.0001	.0005	.0001	.0001
%RSD	2.435	19.69	.1728	23.27	.3264	7.681	252.0	2.776	1.594
#1	.0045	.0047	2.956	.0004	.4842	.0013	-0.0004	.0032	.0068
#2	.0047	.0042	2.957	.0004	.4813	.0013	.0004	.0034	.0069
#3	.0046	.0031							

Sample Name: FA32364-2 Acquired: 3/25/2016 12:27:32 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.2525	.0053	.0491	-.0002	93.38	-.0001	-.0001	.0015
Stddev	.000	.0035	.0010	.0001	.0000	.42	.0000	.0001	.0001
%RSD	234.1	1.390	18.80	.2438	8.961	.4528	35.95	120.9	8.992
#1	-.0001	.2559	.0064	.0490	-.0002	93.39	.0000	.0000	.0016
#2	.0000	.2489	.0045	.0491	-.0002	93.80	-.0001	-.0001	.0014
#3	.0000	.2527	.0051	.0492	-.0002	92.96	-.0001	.0000	.0016
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0013	.4944	.5975	1.418	.0084	.0002	3.967	.0001	-.0003
Stddev	.0001	.0029	.0094	.010	.0001	.0001	.002	.0002	.0007
%RSD	7.905	.5953	1.576	.7025	.7314	50.02	.0465	336.4	272.5
#1	-.0013	.4919	.5965	1.420	.0085	.0002	3.969	.0003	-.0005
#2	-.0015	.4937	.5886	1.427	.0084	.0002	3.966	.0000	.0005
#3	-.0012	.4976	.6074	1.407	.0084	.0001	3.966	.0000	-.0008
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0018	.0024	2.063	.0003	.7939	.0038	-.0008	.0064	.0126
Stddev	.0010	.0009	.002	.0001	.0030	.0004	.0022	.0003	.0001
%RSD	57.57	38.80	.1031	42.73	.3763	11.74	265.0	4.649	.4714
#1	.0021	.0030	2.065	.0002	.7905	.0043	.0000	.0066	.0127
#2	.0026	.0013	2.063	.0004	.7950	.0034	.0008	.0061	.0126
#3	.0006	.0029	2.061	.0002	.7962	.0038	-.0033	.0065	.0127
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2533.0	4968.2	4124.1	4122.4					
Stddev	4.8	1.7	194.	26.4					
%RSD	.19119	.03474	.47102	.64077					
#1	2533.9	4968.8	4112.1	4118.5					
#2	2537.2	4969.6	4146.5	4098.1					
#3	2527.7	4966.3	4113.7	4150.5					

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Sample Name: FA32364-6 Acquired: 3/25/2016 12:32:03 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0002	.0058	.0072	.0093	-.0002	101.1	-.0002	-.0002	.0000
Stddev	.0002	.0068	.0002	.0003	.0000	.3	.0000	.0001	.000
%RSD	112.3	116.8	3.293	3.337	14.35	.3318	8.579	29.68	647.0
#1	.0000	.0045	.0071	.0090	-.0001	101.4	-.0002	-.0002	.0002
#2	-.0003	-.0002	.0075	.0092	-.0002	100.8	-.0002	-.0002	-.0001
#3	-.0002	.0132	.0071	.0096	-.0002	101.2	-.0002	-.0003	-.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0016	3.570	1.062	2.659	.0336	.0005	11.09	-.0002	-.0006
Stddev	.0001	.018	.043	.020	.0002	.0001	.04	.0001	.0005
%RSD	4.457	.5104	4.010	.7601	.4960	26.95	.3418	68.93	96.26
#1	-.0016	3.574	1.015	2.638	.0338	.0004	11.07	-.0003	-.0008
#2	-.0017	3.550	1.074	2.678	.0336	.0005	11.08	-.0001	.0001
#3	-.0016	3.585	1.098	2.661	.0335	.0007	11.14	-.0001	-.0009
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0013	.0004	2.819	.0000	.8350	.0004	-.0005	.0003	.0054
Stddev	.0007	.0008	.002	.000	.0041	.0001	.0002	.0000	.0001
%RSD	52.96	194.3	.0564	10550.	.4955	11.78	42.12	7.593	1.155
#1	.0018	.0003	2.818	.0004	.8353	.0005	-.0007	.0003	.0054
#2	.0005	.0013	2.821	.0000	.8308	.0005	-.0004	.0003	.0055
#3	.0004	-.0003	2.819	-.0004	.8390	.0004	-.0003	.0003	.0054
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2495.8	4956.3	4107.9	4110.9					
Stddev	2.0	4.9	154.	16.7					
%RSD	.08126	.09952	.37550	.40671					
#1	2497.6	4953.8	4111.9	4093.9					
#2	2493.6	4953.1	4090.9	4111.3					
#3	2496.1	4962.0	4121.0	4127.4					

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Sample Name: FA32320-1 Acquired: 3/25/2016 12:36:31 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0000	.2412	.0001	.2090	-.0003	84.10	-.0003	-.0001	.0011
Stddev	.000	.0016	.0004	.0010	.0000	.18	.0001	.0001	.0003
%RSD	1102.	.6534	385.1	4744	17.40	.2172	24.29	90.64	29.86
#1	-.0001	.2396	.0005	.2080	-.0002	83.89	-.0003	-.0001	.0014
#2	-.0003	.2411	-.0003	.2091	-.0003	84.22	-.0004	.0000	.0008
#3	.0001	.2428	.0002	.2100	-.0003	84.19	-.0002	.0000	.0009
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0012	23.86	F 136.5	19.65	.3804	.0005	F 206.4	-.0003	-.0006
Stddev	.0002	.09	.6	.04	.0009	.0002	1.1	.0001	.0003
%RSD	20.60	.3955	.4525	.2256	.2470	40.92	.5468	45.86	60.31
#1	-.0014	23.76	135.8	19.65	.3813	.0003	205.1	-.0002	-.0009
#2	-.0009	23.95	136.8	19.61	.3805	.0007	207.2	-.0004	-.0003
#3	-.0013	23.88	137.0	19.70	.3794	.0004	206.9	-.0004	-.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0008	.0009	2.241	.0005	.9105	.0061	-.0009	.0141	.0144
Stddev	.0005	.0012	.008	.0002	.0053	.0010	.0004	.0002	.0001
%RSD	65.97	130.0	.3723	51.90	.5848	16.02	43.06	1.251	.7907
#1	.0004	.0000	2.250	.0007	.9046	.0054	-.0014	.0139	.0145
#2	.0014	.0005	2.237	.0002	.9118	.0072	-.0006	.0143	.0144
#3	.0006	.0023	2.236	.0005	.9150	.0057	-.0008	.0142	.0143
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2261.4	4850.0	3921.6	4144.9					
Stddev	8.7	18.5	88.	20.9					
%RSD	.38277	.38168	.22456	.50467					
#1	2251.4	4831.1	3920.6	4166.5					
#2	2267.4	4850.6	3913.3	4143.2					
#3	2265.2	4868.2	3930.8	4124.8					

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Sample Name: FA32320-2 Acquired: 3/25/2016 12:41:07 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0005	.1401	.0377	.4273	.0000	193.1	-.0003	.0546	.0026
Stddev	.0002	.0016	.0012	.0007	.000	.3	.0001	.0003	.0001
%RSD	41.80	1.128	3.228	.1724	299.2	.1490	17.15	.4884	5.671
#1	-.0002	.1410	.0372	.4270	.0000	192.9	-.0003	.0548	.0027
#2	-.0006	.1383	.0391	.4269	.0000	193.0	-.0004	.0547	.0024
#3	-.0005	.1410	.0368	.4282	-.0001	193.4	-.0003	.0543	.0027
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0009	53.32	16.06	59.29	1.624	.0000	F 173.1	.0287	-.0016
Stddev	.0002	.13	.00	.17	.007	.0000	1.2	.0001	.0002
%RSD	18.24	.2347	.0253	.2893	.4326	564.7	.6823	.3734	14.44
#1	-.0009	53.20	16.05	59.09	1.620	.0000	172.1	.0287	-.0014
#2	-.0011	53.45	16.06	59.41	1.632	.0001	174.4	.0286	-.0016
#3	-.0007	53.31	16.05	59.35	1.620	-.0001	172.9	.0288	-.0018
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(

Sample Name: FA32320-3 Acquired: 3/25/2016 12:45:41 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.007	1.526	0.155	1.124	0.000	431.3	0.008	0.880	0.020
Stddev	0.004	0.034	0.006	0.003	0.000	2.1	0.001	0.003	0.000
%RSD	50.07	2.219	3.668	2.514	229.1	4.797	17.76	3.191	1.317
#1	-0.008	1.564	0.154	1.123	0.000	429.1	0.008	0.879	0.020
#2	-0.004	1.500	0.161	1.121	0.000	431.6	0.009	0.884	0.020
#3	-0.011	1.513	0.150	1.127	0.000	433.2	0.007	0.879	0.020
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.008	124.6	8.552	128.4	4.476	-0.002	F 615.7	0.533	-0.009
Stddev	0.002	2.0	0.059	3.0	0.017	0.002	3.4	0.004	0.011
%RSD	25.27	1.887	0.6958	2.000	0.3781	110.3	0.5551	0.7007	123.4
#1	-0.009	124.5	8.492	128.2	4.492	-0.003	614.4	0.533	-0.020
#2	-0.005	124.9	8.554	128.6	4.459	-0.003	619.5	0.537	0.002
#3	-0.008	124.5	8.611	128.2	4.478	0.000	613.1	0.530	-0.010
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.006	-0.018	14.03	0.007	2.815	0.050	0.023	0.260	0.000
Stddev	0.006	0.003	0.07	0.004	0.003	0.031	0.020	0.002	0.005
%RSD	98.39	18.91	0.4670	49.88	0.1066	5.270	83.58	7.421	2.546
#1	-0.007	-0.018	14.04	0.003	2.812	0.0549	0.010	0.021	0.260
#2	-0.012	-0.021	14.09	0.011	2.817	0.0611	0.048	0.023	0.265
#3	0.000	-0.014	13.96	0.008	2.816	0.0581	0.015	0.025	0.255
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2031.5	4804.3	3923.4	4290.3					
Stddev	6.3	10.4	48.0	18.5					
%RSD	0.30917	0.21700	1.2210	0.43161					
#1	2024.3	4797.3	3919.7	4288.8					
#2	2034.5	4799.3	3921.6	4272.5					
#3	2035.7	4816.3	3928.8	4309.4					

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Sample Name: FA32397-1 Acquired: 3/25/2016 12:50:28 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.233	0.036	0.204	-0.002	147.6	0.000	0.003	0.075
Stddev	0.000	0.022	0.003	0.003	0.001	0.6	0.000	0.001	0.002
%RSD	27.48	9.444	9.562	1.530	40.32	4.081	137.5	20.76	2.757
#1	-0.001	0.235	0.038	0.207	-0.002	147.4	0.000	0.003	0.073
#2	-0.002	0.232	0.032	0.205	-0.003	148.3	-0.001	0.003	0.076
#3	-0.001	0.230	0.037	0.201	-0.001	147.2	-0.001	0.004	0.077
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.017	12.25	2.255	19.83	1.013	0.003	69.64	0.020	-0.004
Stddev	0.002	0.06	0.009	0.10	0.006	0.001	0.26	0.002	0.003
%RSD	9.105	0.4666	0.4202	0.5170	0.5897	21.58	0.3777	8.154	61.29
#1	0.015	12.21	2.250	19.80	1.008	0.003	69.45	0.022	-0.002
#2	0.018	12.32	2.266	19.95	1.020	0.003	69.94	0.019	-0.007
#3	0.018	12.22	2.249	19.75	1.011	0.004	69.53	0.020	-0.003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.006	0.049	7.562	0.007	0.1219	0.052	-0.006	0.049	0.553
Stddev	0.011	0.012	0.07	0.003	0.009	0.001	0.005	0.003	0.001
%RSD	174.0	24.21	0.930	40.92	7.458	1.873	76.78	6.287	0.919
#1	0.002	0.038	7.563	0.004	0.1217	0.053	-0.002	0.050	0.554
#2	0.019	0.046	7.568	0.010	0.1228	0.051	-0.012	0.052	0.553
#3	-0.002	0.061	7.554	0.008	0.1210	0.052	-0.005	0.046	0.554
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2371.9	4830.8	3980.2	4028.4					
Stddev	4.6	5.2	143.0	19.6					
%RSD	0.19393	0.10762	0.35881	0.48757					
#1	2377.1	4836.0	3993.4	4024.7					
#2	2370.0	4825.6	3965.0	4010.8					
#3	2368.5	4830.7	3982.1	4049.6					

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7.1
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Sample Name: FA32397-2 Acquired: 3/25/2016 12:54:54 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.001	0.132	0.010	0.098	-0.002	40.30	-0.001	0.009	0.000
Stddev	0.001	0.044	0.005	0.003	0.000	0.7	0.000	0.000	0.000
%RSD	159.1	33.16	53.60	3.326	13.74	1.725	7.559	2.979	920.6
#1	0.001	0.133	0.015	0.095	-0.002	40.38	-0.001	0.009	0.001
#2	0.000	0.175	0.010	0.102	-0.002	40.26	-0.001	0.009	-0.001
#3	0.001	0.088	0.005	0.098	-0.002	40.26	-0.001	0.009	0.008
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.012	1.572	1.075	7.049	0.150	0.010	20.84	0.013	-0.006
Stddev	0.000	0.04	0.023	0.020	0.001	0.001	0.1	0.000	0.001
%RSD	3.175	2.600	2.108	0.2831	0.5136	9.668	0.679	1.263	21.95
#1	-0.012	1.577	1.093	7.029	0.150	0.011	20.84	0.013	-0.004
#2	-0.012	1.570	1.084	7.048	0.151	0.009	20.86	0.013	-0.007
#3	-0.012	1.570	1.050	7.069	0.150	0.009	20.83	0.013	-0.006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.010	0.020	7.604	0.002	0.0967	0.003	-0.002	0.002	0.384
Stddev	0.000	0.002	0.055	0.001	0.001	0.001	0.006	0.002	0.015
%RSD	4.092	105.5	0.7231	32.29	0.1029	28.17	272.7	129.3	3.827
#1	0.010	0.003	7.546	0.002	0.0966	0.002	0.004	0.003	0.386
#2	0.010	0.043	7.610	0.003	0.0968	0.004	-0.008	-0.001	0.388
#3	0.011	0.013	7.655	0.002	0.0967	0.003	-0.003	0.002	0.389
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2541.0	5052.7	4171.0	4101.9					
Stddev	13.2	28.4	67.0	8.9					
%RSD	0.51970	0.56137	1.6116	0.21610					
#1	2555.4	5082.7	4177.7	4092.3					
#2	2538.1	5049.2	4164.3	4103.8					
#3	2529.4	5026.3	4171.0	4109.7					

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Sample Name: FA32408-1 Acquired: 3/25/2016 12:59:21 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.000	0.206	0.136	0.617	-0.002	202.2	-0.007	-0.001	0.011
Stddev	0.002	0.038	0.014	0.009	0.000	0.2	0.000	0.001	0.001
%RSD	655.7	18.54	1.214	1.466	14.82	0.1100	7.348	67.53	4.847
#1	-0.002	0.170	0.135	0.612	-0.003	202.5	-0.007	-0.001	0.010
#2	0.000	0.246	0.115	0.618	-0.002	202.2	-0.007	-0.001	0.011
#3	0.002	0.202	0.123	0.612	-0.002	202.0	-0.006	-0.002	0.011
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.010	66.40	4.071	58.11	F 6.447	0.016	12.88	0.000	-0.009
Stddev	0.003	0.04	0.036	0.09	0.032	0.001	0.02	0.002	0.006
%RSD	30.08	0.611	0.8882	0.1564	0.4926	6.561	0.1616	395.1	66.10
#1	-0.007	66.42	4.052	58.21	6.419	0.014	12.86	0.001	-0.016
#2	-0.011	66.35	4.048	58.08	6.481	0.016	12.90	0.001	

Sample Name: CCV Acquired: 3/25/2016 13:03:53 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2566	40.25	1.998	2.014	2.013	41.10	2.042	2.038	2.044
Stddev	.0009	.23	.004	.009	.013	.27	.004	.004	.002
%RSD	.3444	.5645	.1988	.4547	.6513	.6613	.2215	.1767	.0989
#1	.2560	40.51	1.999	2.025	2.026	41.41	2.043	2.039	2.043
#2	.2577	40.11	1.994	2.007	2.013	40.97	2.037	2.034	2.047
#3	.2562	40.12	2.001	2.012	2.000	40.92	2.045	2.041	2.043

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.002	39.67	40.77	40.78	2.035	2.040	39.98	2.032	2.029
Stddev	.006	.25	.23	.19	.004	.004	.19	.004	.004
%RSD	.3105	.6212	.5533	.4758	.2211	.1810	.4674	.2223	.1818
#1	1.997	39.95	41.02	40.97	2.032	2.041	40.19	2.035	2.030
#2	2.009	39.57	40.72	40.78	2.040	2.035	39.92	2.027	2.024
#3	1.999	39.49	40.58	40.58	2.033	2.042	39.83	2.035	2.032

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.993	2.005	2.287	2.077	2.051	2.054	2.032	2.045	2.060
Stddev	.006	.008	.006	.004	.011	.003	.002	.003	.003
%RSD	.2871	.4119	.2651	.1922	.5148	.1602	.1183	.1604	.1588
#1	1.998	2.014	2.292	2.076	2.063	2.050	2.034	2.045	2.057
#2	1.987	1.999	2.280	2.073	2.045	2.056	2.032	2.041	2.059
#3	1.995	2.001	2.287	2.081	2.045	2.055	2.029	2.048	2.064

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/25/2016 13:03:53 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2372.0	5044.2	41781.	4163.1
Stddev	1.2	7.8	80.	15.4
%RSD	.05207	.15508	.19106	.36975
#1	2371.4	5038.8	41774.	4149.3
#2	2373.4	5053.2	41706.	4160.3
#3	2371.2	5040.7	41865.	4179.7

7.1
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Sample Name: CCB Acquired: 3/25/2016 13:08:05 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0033	-0.0003	.0001	.0001	.0055	.0001	.0001	-0.0002
Stddev	.000	.0048	.0006	.0001	.0001	.0039	.0000	.0000	.0001
%RSD	360.4	144.0	211.1	198.9	49.51	70.48	27.64	24.83	66.12
#1	.0001	-.0007	.0003	.0001	.0002	.0088	.0001	.0001	.0000
#2	-.0002	.0086	-.0009	-.0001	.0001	.0013	.0001	.0001	-.0003
#3	.0000	.0021	-.0003	.0001	.0001	.0064	.0001	.0001	-.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0018	.0128	.0577	.0104	.0002	.0006	.0859	.0001	-0.0004
Stddev	.0002	.0025	.0219	.0161	.0000	.0003	.0051	.0000	.0004
%RSD	10.69	19.59	37.96	155.4	18.51	60.92	5.914	54.87	90.84
#1	-.0020	.0150	.0399	-.0053	.0002	.0009	.0804	.0000	-.0005
#2	-.0018	.0128	.0511	.0269	.0003	.0006	.0904	.0001	-.0008
#3	-.0016	.0101	.0822	.0095	.0002	.0002	.0870	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	F .0020	-0.0008	.0001	.0002	.0006	.0007	.0002	-0.0004
Stddev	.0005	.0018	.0006	.0002	.0001	.0001	.0003	.0001	.0001
%RSD	111.6	90.68	73.11	233.4	35.38	14.19	40.40	38.33	26.14
#1	.0007	-.0001	-.0008	.0000	.0003	.0007	.0010	.0003	-.0003
#2	.0008	.0034	-.0002	.0004	.0002	.0006	.0007	.0001	-.0006
#3	-.0001	.0028	-.0013	.0000	.0002	.0006	.0004	.0002	-.0005

Check ? Chk Pass Chk Fail None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit .0020
 Low Limit -.0020

Sample Name: CCB Acquired: 3/25/2016 13:08:05 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2738.0	5244.5	43573.	4275.8
Stddev	1.4	6.0	177.	8.8
%RSD	.05166	.11447	.40726	.20682
#1	2739.6	5244.0	43368.	4265.6
#2	2736.8	5250.8	43667.	4280.4
#3	2737.7	5238.8	43683.	4281.4

Sample Name: FA32408-2 Acquired: 3/25/2016 13:12:37 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.0031	.0000	.1832	-0.0011	29.43	.0002	.0019	.0003
Stddev	.0002	.0057	.001	.0002	.0000	.13	.0000	.0001	.0001
%RSD	244.6	185.7	1407.	.0937	44.54	.4534	13.58	4.795	36.39
#1	-.0002	-.0035	-.0004	.1831	-.0001	29.28	.0002	.0020	.0003
#2	.0002	.0065	.0006	.1834	-.0002	29.50	.0002	.0019	.0004
#3	.0003	.0061	-.0003	.1832	-.0001	29.52	.0002	.0019	.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0018	.4076	.7773	11.48	.4683	.0000	8.921	.0053	-.0006
Stddev	.0002	.0042	.0160	.09	.0006	.000	.007	.0001	.0004
%RSD	12.51	1.027	2.057	.8254	.1298	276.4	.0845	2.124	72.84
#1	-.0020	.4032	.7753	11.38	.4680	-.0001	8.927	.0052	-.0011
#2	-.0019	.4115	.7624	11.48	.4690	.0000	8.912	.0053	-.0002
#3	-.0015	.4082	.7941	11.57	.4679	.0001	8.922	.0054	-.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0004	.0013	8.878	.0003	.1362	.0004	-.0009	.0000	.0070
Stddev	.0008	.0018	.020	.0002	.0005	.0001	.0015	.0003	.0001
%RSD	215.4	136.0	.2255	53.07	.3341	14.69	158.9	53530.0	1.417
#1	.0012	.0001	8.855	.0005	.1364	.0003	-.0016	.0003	.0069
#2	.0001	.0033	8.888	.0003	.1356	.0005	.0008	-.0002	.0071
#3	-.0002	.0005	8.891	.0002	.1364	.0004	-.0019	-.0001	.0070
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2593.7	5111.6	42198.	4161.6					
Stddev	3.7	2.9	54.	18.2					
%RSD	.14348	.05595	.12834	.43692					
#1	2590.7	5113.8	42236.	4177.8					
#2	2592.6	5112.5	42223.	4165.1					
#3	2597.9	5108.3	42136.	4141.9					

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Sample Name: FA32408-3 Acquired: 3/25/2016 13:17:06 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.0164	.1110	.5990	-.0001	195.2	-.0006	-.0001	.0012
Stddev	.0002	.0106	.0002	.0010	.0001	.8	.0001	.0001	.0002
%RSD	22930.	64.78	.1485	.1753	46.19	.4153	14.75	121.5	14.33
#1	.0001	.0281	.1110	.5978	-.0002	194.4	-.0005	.0000	.0013
#2	-.0001	.0074	.1108	.5997	-.0001	196.0	-.0005	-.0002	.0013
#3	-.0002	.0136	.1112	.5994	-.0001	195.1	-.0006	.0000	.0010
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0008	64.71	3.875	55.96	6.269	.0018	12.43	.0001	-.0009
Stddev	.0001	.17	.016	.25	.021	.0000	.06	.0001	.0001
%RSD	12.29	.2565	.4142	.4414	.3326	2.489	.4506	193.0	11.68
#1	-.0009	64.52	3.857	55.68	6.293	.0018	12.37	.0000	-.0009
#2	-.0009	64.77	3.882	55.13	6.255	.0018	12.44	.0002	-.0010
#3	-.0007	64.83	3.887	56.08	6.260	.0018	12.49	.0000	-.0008
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0006	.0011	9.318	.0007	.9261	.0006	.0030	.0005	.0061
Stddev	.0009	.0006	.003	.0003	.0017	.0001	.0018	.0003	.0001
%RSD	145.6	52.90	.0267	40.10	.1874	24.16	58.35	67.82	1.104
#1	.0008	.0005	9.316	.0005	.9247	.0004	.0034	.0007	.0061
#2	-.0004	.0017	9.321	.0010	.9280	.0006	.0011	.0006	.0061
#3	.0013	.0013	9.317	.0006	.9255	.0007	.0045	.0001	.0062
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2388.4	4852.5	40256.	4097.7					
Stddev	3.9	8.1	26.	20.1					
%RSD	.16273	.16756	.06541	.49063					
#1	2390.3	4860.4	40281.	4119.3					
#2	2391.0	4852.9	40228.	4094.3					
#3	2384.0	4844.2	40258.	4079.5					

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Sample Name: FA32408-1F Acquired: 3/25/2016 13:21:41 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0000	.0138	.0098	.2472	-.0002	188.7	-.0002	.0001	.0000
Stddev	.0003	.0024	.0011	.0013	.0000	.9	.0001	.0001	.0001
%RSD	4747.	17.04	11.20	.5237	19.76	.4673	31.48	114.5	248.7
#1	-.0001	.0114	.0086	.2473	-.0002	188.4	-.0001	.0001	.0002
#2	-.0004	.0138	.0108	.2485	-.0002	189.7	-.0002	.0001	.0000
#3	-.0003	.0161	.0101	.2459	-.0002	188.0	-.0003	.0000	.0000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0025	3.111	3.851	55.55	5.827	.0012	12.24	.0002	.0105
Stddev	.0001	.012	.011	.20	.018	.0001	.03	.0003	.0011
%RSD	2.688	.3783	.2809	.3604	.3022	6.855	.2265	158.7	9.994
#1	.0024	3.109	3.851	55.38	5.829	.0011	12.24	.0003	.0096
#2	.0025	3.124	3.862	55.77	5.844	.0013	12.27	-.0001	.0116
#3	.0025	3.100	3.840	55.49	5.809	.0011	12.21	.0003	.0104
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0014	.0034	7.820	.0003	.8570	.0002	.0013	-.0010	.0766
Stddev	.0009	.0012	.012	.0006	.0008	.0001	.0004	.0001	.0002
%RSD	63.63	36.35	.1588	228.9	.0885	21.46	32.82	9.022	.2078
#1	.0005	.0020	7.829	.0010	.8578	.0002	.0009	-.0010	.0765
#2	.0023	.0040	7.824	.0000	.8564	.0002	.0013	-.0010	.0767
#3	.0013	.0043	7.805	-.0002	.8568	.0003	.0017	-.0009	.0767
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2350.5	4787.0	39701.	3985.7					
Stddev	2.9	4.4	15.	5.3					
%RSD	.12333	.09268	.03791	.13293					
#1	2351.2	4786.4	39701.	3986.9					
#2	2353.0	4782.9	39716.	3979.9					
#3	2347.3	4791.7	39686.	3990.3					

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Sample Name: FA32408-2F Acquired: 3/25/2016 13:26:16 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0002	.0007	-.0011	.1681	-.0002	27.26	.0002	.0016	.0000
Stddev	.0003	.0010	.0001	.0002	.0000	.13	.0001	.0001	.0001
%RSD	164.9	139.7	12.65	.1290	6.898	.4592	37.40	6.271	227.4
#1	-.0003	.0004	-.0010	.1679	-.0002	27.17	.0002	.0016	-.0001
#2	-.0004	.0017	-.0011	.1681	-.0002	27.40	.0001	.0017	.0001
#3	.0002	-.0001	-.0012	.1683	-.0002	27.21	.0001	.0015	.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0012	.0709	.7595	10.61	.4368	-.0003	8.640	.0048	.0021
Stddev	.0002	.0014	.0392	.05	.0011	.0000	.013	.0001	.0005
%RSD	15.03	1.972	5.167	.4396	.2601	4.371	.1505	2.039	22.72
#1	-.0010	.0700	.8048	10.55	.4357	-.0003	8.626	.0049	.0025
#2	-.0012	.0725	.7392	10.64	.4367	-.0003	8.641		

Sample Name: FA32408-3F Acquired: 3/25/2016 13:30:45 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Table with 10 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 10 rows of data for elements Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677.

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Sample Name: FA32430-16 Acquired: 3/25/2016 13:39:52 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Table with 10 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 10 rows of data for elements Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677.

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Sample Name: FA32429-16 Acquired: 3/25/2016 13:35:21 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Table with 10 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 10 rows of data for elements Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677.

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Sample Name: FA32528-1F Acquired: 3/25/2016 13:44:23 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Table with 10 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 10 rows of data for elements Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677.

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Sample Name: FA32434-1 Acquired: 3/25/2016 13:48:51 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.0007	-0.0016	.0003	-0.0003	.0813	-0.0001	-0.0001	-0.0003
Stddev	.0001	.0084	.0004	.0001	.0001	.0018	.0000	.0001	.0001
%RSD	166.8	1253.	23.09	38.64	23.13	2.224	22.05	56.63	44.28
#1	-0.001	-0.082	-0.018	.0004	-0.0003	.0805	-0.001	.0000	-0.0005
#2	.0002	.0084	-0.012	.0003	-0.0002	.0800	-0.001	-0.0001	-0.0003
#3	.0001	.0018	-0.018	.0002	-0.0003	.0834	-0.001	-0.0001	-0.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0018	-0.0091	.0551	.0028	.0000	-0.0008	.1037	.0000	.0000
Stddev	.0001	.0020	.0238	.0244	.000	.0001	.0019	.0002	.001
%RSD	5.268	21.99	43.19	861.0	607.5	18.27	1.818	648.2	1097.
#1	-0.019	-0.083	.0713	-0.028	.0000	-0.010	.1018	.0000	-0.0005
#2	-0.019	-0.114	.0278	-0.183	.0000	-0.007	.1056	-0.001	-0.002
#3	-0.017	-0.076	.0663	.0295	.0000	-0.007	.1036	.0002	.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0010	.0012	.0067	-0.0003	.0006	-0.0005	-0.0012	-0.0001	.0020
Stddev	.0007	.0009	.0002	.0003	.0001	.0000	.0005	.0001	.0001
%RSD	69.71	76.89	2.712	105.2	18.08	3.767	46.11	71.83	2.605
#1	.0019	.0020	.0069	-0.0002	.0007	-0.0005	-0.0006	-0.0002	.0020
#2	.0004	.0002	.0068	-0.0006	.0006	-0.0005	-0.0016	.0000	.0020
#3	.0008	.0014	.0065	.0000	.0005	-0.0005	-0.0013	-0.0002	.0021
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2734.1	5237.7	43782.	4198.4					
Stddev	2.0	3.4	110.	18.2					
%RSD	.07362	.06474	.25071	.43255					
#1	2733.9	5238.9	43733.	4203.8					
#2	2736.3	5240.4	43907.	4178.2					
#3	2732.3	5233.9	43705.	4213.3					

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Sample Name: FA32434-2 Acquired: 3/25/2016 13:53:25 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0001	-0.0020	-0.0015	.0000	-0.0002	.0625	-0.0001	-0.0002	-0.0004
Stddev	.0001	.0078	.0012	.000	.0000	.0015	.0000	.0001	.0000
%RSD	237.0	387.6	76.74	643.6	14.79	2.410	5.485	56.78	11.82
#1	-0.001	-0.0055	-0.0026	.0002	-0.0002	.0619	-0.0001	-0.0001	-0.0004
#2	-0.002	-0.0074	-0.0003	-0.0003	-0.0002	.0643	-0.0001	-0.0002	-0.0003
#3	.0001	.0069	-0.017	.0000	-0.0002	.0614	-0.0001	-0.0003	-0.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0017	-0.0055	.0324	-0.0199	.0000	-0.0009	8.173	.0001	.0002
Stddev	.0002	.0029	.0098	.0094	.0000	.0001	.009	.0001	.0004
%RSD	8.875	52.53	30.43	47.39	81.88	9.938	.1079	66.85	250.2
#1	-0.019	-0.022	.0369	-0.130	.0001	-0.009	8.179	.0000	-0.0003
#2	-0.016	-0.0068	.0391	-0.0306	.0000	-0.008	8.163	.0001	.0003
#3	-0.016	-0.0075	.0211	-0.161	.0000	-0.009	8.178	.0001	.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0002	.0004	.0090	.0000	.0001	-0.0004	-0.0017	-0.0003	.0031
Stddev	.0010	.0012	.0003	.000	.0001	.0001	.0006	.0001	.0001
%RSD	463.0	292.0	2.897	983.5	61.99	25.50	35.27	15.76	4.447
#1	.0000	.0016	.0087	-0.0005	.0001	-0.0004	-0.0010	-0.0003	.0030
#2	-0.0007	.0003	.0091	.0003	.0000	-0.0003	-0.0022	-0.0004	.0032
#3	.0013	-0.0007	.0091	.0001	.0002	-0.0005	-0.0020	-0.0003	.0030
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2696.4	5185.7	42978.	4185.4					
Stddev	1.2	11.5	67.	31.3					
%RSD	.04318	.22252	.15524	.74786					
#1	2697.0	5191.1	42944.	4211.9					
#2	2697.2	5193.5	43055.	4193.4					
#3	2695.1	5172.4	42935.	4150.9					

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Sample Name: CCV Acquired: 3/25/2016 13:57:56 Type: QC
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2572	40.48	1.988	2.023	2.022	41.26	2.030	2.031	2.053
Stddev	.0005	.05	.004	.001	.002	.09	.003	.001	.008
%RSD	.2100	.1129	.1987	.0593	.0796	.2224	.1240	.0485	.3993
#1	.2567	40.43	1.985	2.023	2.023	41.16	2.033	2.032	2.050
#2	.2578	40.51	1.987	2.022	2.020	41.32	2.029	2.030	2.048
#3	.2572	40.49	1.992	2.024	2.023	41.30	2.029	2.031	2.063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.022	39.79	40.99	41.13	2.047	2.036	40.17	2.019	2.012
Stddev	.007	.08	.01	.15	.008	.002	.01	.004	.002
%RSD	.3371	.2038	.0335	.3585	.4043	.0865	.0336	.1775	.0832
#1	2.021	39.70	40.99	40.99	2.049	2.036	40.15	2.022	2.013
#2	2.029	39.79	40.98	41.28	2.038	2.034	40.17	2.015	2.011
#3	2.015	39.86	41.01	41.11	2.054	2.037	40.18	2.020	2.014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.985	1.998	2.282	2.070	2.071	2.062	2.021	2.043	2.056
Stddev	.002	.004	.004	.003	.004	.005	.002	.004	.003
%RSD	.0796	.2056	.1676	.1294	.1710	.2438	.0766	.2016	.1267
#1	1.984	1.999	2.283	2.073	2.068	2.067	2.021	2.044	2.057
#2	1.983	2.002	2.278	2.068	2.071	2.057	2.019	2.038	2.058
#3	1.986	1.994	2.285	2.068	2.075	2.063	2.022	2.046	2.053
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 3/25/2016 13:57:56 Type: QC
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2375.4	5043.8	41573.	4161.0
Stddev	2.8	4.3	62.	17.7
%RSD	.11818	.08560	.14807	.42565
#1	2377.9	5048.7	41568.	4180.2
#2	2372.4	5040.7	41637.	4145.3
#3	2376.1	5042.0	41514.	4157.6

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Sample Name: CCB Acquired: 3/25/2016 14:02:07 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0002	-0.0005	-0.0001	-0.0001	-0.0054	.0000	.0000	-0.0003
Stddev	.0002	.0034	.0009	.0002	.0000	.0038	.000	.0000	.0001
%RSD	153.5	1987.	170.3	136.8	33.06	69.72	2696.	105.7	52.37

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0019	.0032	.0338	-0.0150	.0000	.0006	.0437	.0000	-0.0002
Stddev	.0001	.0022	.0174	.0200	.000	.0002	.0027	.0001	.0002
%RSD	7.858	70.02	51.44	133.5	488.1	39.95	6.219	306.0	102.5

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	.0004	-0.0017	.0001	-0.0001	.0008	-0.0003	-0.0001	-0.0005
Stddev	.0007	.0010	.0001	.0007	.0000	.0001	.0004	.0000	.0000
%RSD	67.84	259.8	6.776	1078.	9.452	15.33	115.0	40.33	2.549

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/25/2016 14:02:07 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2728.6	5229.3	43425.	4242.3
Stddev	2.6	12.8	206.	16.2
%RSD	.09375	.24438	.47547	.38094

#1 2731.1 5238.3 43226. 4227.8
 #2 2728.6 5214.7 43411. 4259.7
 #3 2726.0 5234.9 43638. 4239.2

7.1
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Sample Name: MP30167-MB2A Acquired: 3/25/2016 14:06:41 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	-0.0057	-0.0018	.0005	-0.0002	.0112	-0.0001	-0.0001	-0.0002
Stddev	.0002	.0057	.0006	.0001	.0000	.0028	.0000	.0001	.0002
%RSD	353.8	99.73	30.70	24.81	13.15	25.55	29.50	50.02	97.75

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0014	-0.0058	.0328	-0.0341	.0002	-0.0004	.0597	-0.0004	.0001
Stddev	.0002	.0017	.0389	.0032	.0000	.0001	.0094	.0001	.0003
%RSD	14.34	29.54	118.7	9.422	3.601	34.18	15.69	32.11	390.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	.0017	.0075	.0001	-0.0001	-0.0002	-0.0012	-0.0001	.0091
Stddev	.0007	.0010	.0001	.0002	.0000	.0002	.0006	.0002	.0001
%RSD	67.78	61.04	1.601	180.2	33.68	88.06	52.30	185.4	.7642

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30167-MB2A Acquired: 3/25/2016 14:06:41 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2730.7	5218.7	43644.	4212.2
Stddev	2.4	6.0	80.	30.8
%RSD	.08621	.11449	.18390	.73158

#1 2732.9 5214.5 43625. 4176.6
 #2 2728.2 5225.5 43575. 4230.8
 #3 2730.9 5216.0 43732. 4229.2

Sample Name: MP30169-MB1 Acquired: 3/25/2016 14:11:16 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.020	-0.015	.002	-0.002	.0388	-0.001	-0.001	-0.003
Stddev	.0000	.0011	.0003	.0001	.0000	.0013	.0000	.0001	.0000
%RSD	48.86	54.20	22.55	67.45	11.07	3.251	28.37	54.90	16.57
#1	-0.001	-0.013	-0.018	.001	-0.002	.0401	-0.001	-0.001	-0.003
#2	.0000	-0.032	-0.013	.0002	-0.002	.0376	-0.001	-0.001	-0.002
#3	-0.001	-0.014	-0.012	.0004	-0.002	.0388	-0.001	-0.002	-0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.020	-0.086	.0280	-0.210	-0.001	-0.008	.0405	-0.002	-0.002
Stddev	.0002	.0027	.0299	.0225	.0000	.0000	.0018	.0000	.0003
%RSD	10.05	31.30	106.6	107.4	20.66	3.054	4.531	26.15	167.4
#1	-0.018	-0.075	-0.056	-0.007	-0.001	-0.007	.0383	-0.001	.0002
#2	-0.019	-0.117	.0384	-.0452	-0.001	-0.008	.0414	-0.001	-0.004
#3	-0.022	-0.066	.0513	-0.170	-0.001	-0.008	.0416	-0.002	-0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	.0003	.0058	.0001	.0008	-0.004	-0.014	.0000	-0.0005
Stddev	.0005	.0011	.0003	.0004	.0001	.0001	.0004	.000	.0000
%RSD	41.91	324.7	4.312	302.1	6.780	19.93	25.75	251.5	7.526
#1	.0016	.0015	.0061	-.0001	.0007	-.0004	-.0018	-.0001	-.0004
#2	.0006	.0001	.0057	.0006	.0008	-.0005	-.0012	.0000	-.0005
#3	.0014	-.0006	.0057	-.0001	.0008	-.0004	-.0012	.0000	-.0005

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30169-MB1 Acquired: 3/25/2016 14:11:16 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2762.0	5280.0	43993.0	4203.7
Stddev	9.9	8.1	12.0	72.2
%RSD	.35815	.15319	.02701	1.7172
#1	2765.1	5278.5	43997.0	4127.3
#2	2770.0	5288.6	44002.0	4212.8
#3	2750.9	5272.7	43979.0	4270.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30169-B1 Acquired: 3/25/2016 14:15:51 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0491	29.15	2.019	2.103	.0538	27.64	.0529	.5247	2.152
Stddev	.0002	.20	.004	.005	.0002	.09	.0000	.0001	.0006
%RSD	.4492	.6796	.2228	.2188	.4374	.3196	.0879	.0167	.2962
#1	.0488	29.10	2.014	2.098	.0535	27.66	.0529	.5248	2.157
#2	.0491	29.36	2.022	2.105	.0540	27.71	.0529	.5246	2.145
#3	.0493	28.97	2.020	2.106	.0538	27.54	.0529	.5247	2.153

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2631	28.51	27.30	27.74	.5441	.5220	26.90	.5324	.5091
Stddev	.0002	.15	.12	.14	.0013	.0008	.07	.0014	.0009
%RSD	.0897	.5329	.4455	.5029	.2478	.1574	.2711	.2653	.1860
#1	.2631	28.53	27.16	27.68	.5456	.5212	26.87	.5316	.5081
#2	.2634	28.66	27.38	27.90	.5430	.5220	26.98	.5340	.5093
#3	.2629	28.36	27.37	27.65	.5435	.5228	26.84	.5316	.5099

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5086	2.031	.0187	.5415	.5235	.5363	2.026	.5033	.5357
Stddev	.0014	.005	.0002	.0014	.0027	.0014	.002	.0016	.0006
%RSD	.2767	.2394	1.249	.2622	.5125	.2674	.0797	.3109	.1086
#1	.5071	2.030	.0186	.5400	.5217	.5377	2.028	.5049	.5352
#2	.5098	2.027	.0185	.5428	.5266	.5364	2.025	.5018	.5363
#3	.5090	2.037	.0190	.5416	.5223	.5348	2.025	.5030	.5357

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30169-B1 Acquired: 3/25/2016 14:15:51 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2469.1	5062.9	41727.0	4135.0
Stddev	3.0	5.6	106.0	41.1
%RSD	.12324	.11011	.25458	.99466
#1	2465.6	5058.5	41604.0	4138.2
#2	2471.2	5069.1	41789.0	4092.3
#3	2470.6	5060.9	41788.0	4174.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: FA32417-2L Acquired: 3/25/2016 14:20:05 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.002	0.1168	-0.0014	0.0036	-0.0003	3.285	-0.0001	-0.0001	0.0004
Stddev	0.0004	0.0051	0.0001	0.0004	0.0000	0.018	0.0000	0.0001	0.0002
%RSD	216.0	4.389	5.023	9.955	15.05	0.507	30.33	43.78	42.92
#1	-0.006	0.1206	-0.0015	0.0034	-0.0002	3.267	-0.0002	-0.0002	0.0005
#2	-0.001	0.1110	-0.0014	0.0035	-0.0003	3.287	-0.0001	-0.0001	0.0003
#3	0.001	0.1189	-0.0014	0.0040	-0.0003	3.303	-0.0002	-0.0002	0.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0011	0.0333	0.1602	0.0328	0.0015	-0.0002	F 160.4	0.0000	0.0000
Stddev	0.0002	0.0039	0.0381	0.0061	0.0000	0.0001	1.0	0.000	0.000
%RSD	20.42	11.65	23.79	18.64	3.044	56.07	0.6041	512.7	2490.
#1	-0.008	0.0373	0.1226	0.0387	0.0015	-0.0003	161.1	0.0001	0.0001
#2	-0.011	0.0331	0.1988	0.0331	0.0016	-0.0001	159.3	0.0000	-0.0001
#3	-0.013	0.0296	0.1591	0.0265	0.0015	-0.0001	160.9	-0.0002	0.0000
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0012	0.0007	0.1361	0.0006	0.0085	0.0131	-0.0009	0.0000	0.0028
Stddev	0.0008	0.0010	0.0006	0.0002	0.0001	0.0008	0.0010	0.000	0.0000
%RSD	69.52	138.0	0.4073	31.17	1.270	5.732	115.9	3136.	2853
#1	0.021	0.005	0.1367	0.005	0.0086	0.0124	-0.0001	-0.0002	0.0028
#2	0.005	0.0018	0.1359	0.008	0.0084	0.0139	-0.0005	0.0001	0.0028
#3	0.010	-0.002	0.1357	0.005	0.0085	0.0130	-0.0020	0.0001	0.0028
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2452.7	4970.2	4037.1	4134.2					
Stddev	2.6	7.5	108.	14.7					
%RSD	0.10536	0.15037	2.6827	0.35629					
#1	2451.3	4961.8	4027.8	4137.9					
#2	2455.7	4972.9	4049.0	4146.7					
#3	2451.2	4976.0	4034.5	4117.9					

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Sample Name: MP30169-D1 Acquired: 3/25/2016 14:24:45 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.0001	0.1255	-0.0018	0.0035	-0.0002	3.274	-0.0001	-0.0001	0.0005
Stddev	0.0001	0.0038	0.0005	0.0004	0.0000	0.034	0.0000	0.0001	0.0003
%RSD	182.6	2.994	27.59	12.81	9.359	1.032	37.55	94.87	62.62
#1	-0.002	0.1294	-0.0014	0.0033	-0.0002	3.236	-0.0001	0.0000	0.0001
#2	-0.001	0.1219	-0.0017	0.0040	-0.0002	3.286	-0.0001	-0.0001	0.0006
#3	0.001	0.1251	-0.0024	0.0032	-0.0002	3.301	-0.0001	-0.0001	0.0007
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0010	0.0301	0.1478	0.0411	0.0015	-0.0002	F 156.0	0.0000	-0.0002
Stddev	0.0001	0.0013	0.0139	0.0095	0.0000	0.0001	1.8	0.000	0.0003
%RSD	11.89	4.361	9.424	23.10	2.159	25.84	1.151	235.6	197.5
#1	-0.009	0.0286	0.1625	0.0349	0.0014	-0.0003	154.0	0.0000	-0.0002
#2	-0.009	0.0309	0.1462	0.0364	0.0015	-0.0003	157.2	-0.0001	-0.0002
#3	-0.011	0.0308	0.1348	0.0521	0.0015	-0.0002	156.9	0.0000	-0.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0003	0.0014	0.1458	0.0003	0.0085	0.0142	-0.0010	0.0000	0.0026
Stddev	0.0013	0.0019	0.0025	0.0001	0.0002	0.0002	0.0009	0.0001	0.0000
%RSD	460.8	137.8	1.723	40.04	2.285	1.253	88.17	311.8	1.275
#1	0.016	-0.006	0.1487	0.002	0.0083	0.0144	-0.0003	0.0000	0.0026
#2	0.002	0.0016	0.1447	0.003	0.0086	0.0142	-0.0020	0.0001	0.0026
#3	-0.010	0.0032	0.1440	0.005	0.0086	0.0140	-0.0007	-0.0001	0.0026
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2454.1	4996.8	4056.0	4149.0					
Stddev	6.1	12.9	82.	38.5					
%RSD	0.24736	0.25763	2.0109	0.92811					
#1	2452.0	4985.7	4057.9	4192.8					
#2	2449.3	4993.6	4063.1	4120.4					
#3	2460.9	5010.9	4047.1	4133.8					

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Sample Name: MP30169-SD1 Acquired: 3/25/2016 14:29:26 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.0004	0.1085	-0.0025	0.0024	-0.0010	3.105	-0.0005	-0.0007	-0.0010
Stddev	0.0007	0.0407	0.0023	0.0012	0.0005	0.028	0.0002	0.0002	0.0003
%RSD	182.2	37.54	90.94	50.57	44.35	0.902	35.68	25.53	33.12
#1	0.011	0.1208	-0.0024	0.0037	-0.0005	3.075	-0.0004	-0.0005	-0.0013
#2	-0.004	0.0630	-0.0048	0.0023	-0.0012	3.131	-0.0007	-0.0008	-0.0007
#3	0.005	0.1416	-0.0003	0.0013	-0.0014	3.108	-0.0004	-0.0008	-0.0009
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0093	-0.0179	0.3329	-0.0187	0.0008	-0.0045	154.2	-0.0003	0.0001
Stddev	0.0003	0.0038	0.1506	0.041	0.0001	0.0006	1.0	0.0005	0.0034
%RSD	3.399	21.07	45.25	341.9	16.25	13.38	0.6743	189.3	4260.
#1	-0.0094	-0.0199	0.3295	0.0539	0.0008	-0.0045	153.0	-0.0007	0.0008
#2	-0.0090	-0.0136	0.1840	-0.0674	0.0006	-0.0040	154.7	0.0003	-0.0036
#3	-0.0096	-0.0203	0.4852	-0.0427	0.0009	-0.0052	155.0	-0.0004	0.0031
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0018	0.0076	0.1285	0.0001	0.0072	0.0098	0.0002	-0.0013	0.0329
Stddev	0.0029	0.0029	0.0011	0.0008	0.0004	0.0009	0.0032	0.0007	0.0005
%RSD	157.8	37.84	0.8773	856.6	5.926	8.852	1747.	55.09	1.370
#1	0.013	0.0108	0.1291	0.0001	0.0067	0.0094	0.0000	-0.0007	0.0328
#2	-0.0044	0.0053	0.1293	-0.0007	0.0075	0.0108	-0.0029	-0.0011	0.0325
#3	-0.0025	0.0067	0.1272	0.0009	0.0073	0.0093	0.0034	-0.0020	0.0334
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2656.0	5207.2	4285.5	4269.0					
Stddev	7	3.8	30.	46.4					
%RSD	0.2471	0.07230	0.07065	1.0860					
#1	2656.8	5206.8	4287.7	4322.0					
#2	2655.8	5203.6	4286.7	4235.9					
#3	2655.5	5211.1	4282.0	4249.1					

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Sample Name: MP30169-S1 Acquired: 3/25/2016 14:34:00 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.0484	0.2861	0.2001	0.2072	0.0524	30.12	0.0509	0.5039	0.2088
Stddev	0.0006	0.015	0.004	0.005	0.0004	0.18	0.0001	0.0002	0.0006
%RSD	1.265	5.096	1.829	2.344	0.7205	0.6120	0.1461	0.0333	0.2720
#1	-0.0489	0.2863	0.1999	0.2070	0.0523	29.97	0.0509	0.5039	0.2092
#2	-0.0486	0.2874	0.2005	0.2077	0.0529	30.33	0.0508	0.5041	0.2082
#3	-0.0477	0.2845	0.1998	0.2068	0.0522	30.07	0.0510	0.5038	0.2091
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.2610	0.2780	0.2723	0.2691	0.5258	0.5076	F 181.0		

Sample Name: MP30169-S2 Acquired: 3/25/2016 14:38:22 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0490	28.89	2.025	2.091	.0528	30.43	.0515	5.104	2.097
Stddev	.0004	.09	.004	.002	.0003	.19	.0001	.0008	.0007
%RSD	.9167	.2971	.1857	.1157	.5054	.6344	.2906	.1530	.3205
#1	.0486	28.98	2.020	2.090	.0530	30.64	.0513	5.097	2.092
#2	.0489	28.81	2.026	2.094	.0528	30.26	.0516	5.102	2.095
#3	.0494	28.88	2.028	2.090	.0525	30.39	.0515	5.112	2.105
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2636	28.07	27.47	27.12	.5281	5.150	F 181.3	5.137	4.978
Stddev	.0008	.13	.01	.29	.0025	.0007	1.9	.0008	.0006
%RSD	.3008	.4515	.0301	1.063	.4742	.1343	1.066	.1565	.1165
#1	.2645	28.21	27.48	27.44	.5274	5.142	183.6	5.131	4.982
#2	.2630	28.03	27.47	26.88	.5260	5.152	180.3	5.134	4.981
#3	.2635	27.97	27.47	27.04	.5309	5.156	180.2	5.146	4.972
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5069	2.083	.1553	.5277	.5306	5.384	1.955	4.935	5.300
Stddev	.0009	.007	.0027	.0010	.0009	.0019	.007	.0016	.0007
%RSD	.1810	.3145	1.724	.1918	.1766	.3544	.3552	.3218	.1358
#1	.5079	2.076	.1583	.5276	.5309	5.376	1.949	4.924	5.297
#2	.5069	2.086	.1531	.5287	.5314	5.370	1.963	4.927	5.296
#3	.5060	2.088	.1546	.5267	.5296	5.406	1.954	4.953	5.309
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2338.8	4929.2	4052.1	4148.2					
Stddev	2.3	5.2	210.	42.0					
%RSD	.09762	.10630	.51792	1.0125					
#1	2337.5	4932.9	4063.0	4099.9					
#2	2337.6	4931.4	4065.4	4176.2					
#3	2341.5	4923.2	4027.9	4168.5					

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Sample Name: MP30169-MB2 Acquired: 3/25/2016 14:42:44 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.022	-0.011	.0014	-0.002	.0601	-0.001	-0.002	-0.002
Stddev	.001	.0034	.0010	.0003	.0000	.0047	.0000	.0001	.0001
%RSD	1208.	157.5	93.25	22.10	8.456	7.753	22.86	38.94	39.60
#1	.0004	-0.011	-0.023	.0013	-0.002	.0622	-0.001	-0.002	-0.002
#2	.0002	-0.060	-0.006	.0012	-0.002	.0633	-0.002	-0.002	-0.003
#3	-0.007	.0006	-0.004	.0018	-0.003	.0547	-0.001	-0.001	-0.002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.016	.0006	.1909	-0.180	.0002	-0.0006	F 151.9	-0.002	-0.001
Stddev	.0002	.0006	.0424	.0131	.0000	.0002	1.9	.0002	.0010
%RSD	9.650	95.99	22.21	72.68	25.54	37.27	1.248	79.97	1666.
#1	-0.017	.0013	.1666	-0.312	.0002	-0.0007	154.0	-0.002	-0.008
#2	-0.015	.0004	.1662	-0.050	.0002	-0.0003	151.0	-0.001	.0010
#3	-0.018	.0002	.2398	-0.178	.0002	-0.0006	150.5	-0.004	-0.005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							2.500		
Low Limit							-2.500		
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0028	.0101	.0004	-0.001	-0.001	-0.003	-0.001	.0002
Stddev	.0002	.0024	.0007	.0002	.0000	.0000	.0012	.0002	.0001
%RSD	42.62	85.82	6.563	45.94	26.09	33.55	493.0	141.5	39.50
#1	.0006	.0007	.0100	.0002	-0.001	-0.001	.0009	.0000	.0001
#2	.0003	.0023	.0095	.0006	-0.001	-0.002	-0.0016	-0.004	.0002
#3	.0003	.0055	.0108	.0005	-0.001	-0.001	-0.001	.0000	.0002
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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7.1

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Sample Name: MP30169-MB2 Acquired: 3/25/2016 14:42:44 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2470.1	4978.1	4080.1	4248.7
Stddev	7.8	9.3	71.	32.8
%RSD	.31592	.18620	.17492	.77189
#1	2461.0	4967.5	4072.4	4213.7
#2	2474.5	4981.9	4081.5	4253.7
#3	2474.6	4984.9	4086.4	4278.8

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Sample Name: MP30169-B2 Acquired: 3/25/2016 14:47:27 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0488	28.51	2.036	2.078	.0526	26.87	.0515	5.095	2.083
Stddev	.0005	.17	.003	.009	.0003	.12	.0001	.0004	.0010
%RSD	1.096	.5848	.1520	4.073	.5872	4.419	.2013	.0833	.4624
#1	.0494	28.38	2.038	2.071	.0523	26.85	.0515	5.093	2.091
#2	.0485	28.69	2.033	2.088	.0529	27.00	.0515	5.093	2.086
#3	.0484	28.45	2.039	2.076	.0526	26.77	.0517	5.100	2.072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2620	27.80	27.05	26.71	.5261	5.134	F 180.5	5.154	4.996
Stddev	.0005	.06	.13	.11	.0011	.0009	2.6	.0007	.0009
%RSD	.1818	.2117	.4883	.4231	.2172	.1774	1.460	.1435	.1812
#1	.2621	27.74	26.91	26.71	.5260	5.131	180.3	5.157	5.005
#2	.2623	27.85	27.17	26.83	.5273	5.128	183.3	5.146	4.987
#3	.2614	27.81	27.06	26.60	.5250	5.145	178.0	5.159	4.997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value Range							25.00		
							20.00%		
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5095	2.085	.0228	.5229	.5166	5.232	1.952	4.920	5.265
Stddev	.0014	.004	.0014	.0014	.0023	.0011	.002	.0012	.0009
%RSD	.2827	.1715	6.314	.2743	.4520	2.065	.1052	.2386	.1729
#1	.5095	2.081	.0215	.5233	.5141	5.223	1.950	4.926	5.270
#2	.5081	2.085	.0225	.5213	.5187	5.244	1.951	4.928	5.270
#3	.5110	2.088	.0243	.5241	.5170	5.228	1.954	4.907	5.254
Check ?	Chk Pass	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: MP30169-B2 Acquired: 3/25/2016 14:47:27 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2346.3	4926.6	4071.9	4172.8
Stddev	2.6	11.2	50.	37.9
%RSD	.10941	.22668	.12200	.90854
#1	2349.1	4934.1	40686.	4172.7
#2	2345.5	4932.0	40695.	4135.0
#3	2344.2	4913.8	40776.	4210.8

Sample Name: CCV Acquired: 3/25/2016 14:51:48 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	2532	39.99	1.996	1.994	2.016	40.53	2.028	2.019	2.023
Stddev	.0004	.13	.004	.004	.007	.11	.004	.003	.001
%RSD	.1522	.3164	.2240	.1931	.3506	.2617	.2047	.1616	.0364
#1	.2533	40.00	2.001	1.993	2.014	40.64	2.032	2.023	2.022
#2	.2528	39.86	1.994	1.991	2.010	40.43	2.025	2.017	2.023
#3	.2536	40.12	1.993	1.998	2.024	40.52	2.025	2.018	2.024

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	1.997	39.48	40.47	40.34	2.028	2.028	39.80	2.027	1.999
Stddev	.001	.09	.16	.05	.004	.001	.06	.006	.003
%RSD	.0343	.2341	.3927	.1340	.1780	.0542	.1489	.2942	.1315
#1	1.998	39.41	40.50	40.38	2.024	2.029	39.80	2.034	2.002
#2	1.996	39.44	40.30	40.28	2.031	2.027	39.74	2.024	1.998
#3	1.997	39.59	40.62	40.37	2.028	2.027	39.86	2.024	1.998

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	1.999	2.003	2.294	2.047	2.041	2.055	2.012	2.031	2.025
Stddev	.003	.004	.004	.002	.008	.001	.003	.003	.004
%RSD	.1438	.2196	.1753	.0993	.4104	.0603	.1235	.1368	.1712
#1	2.002	2.001	2.295	2.048	2.038	2.054	2.010	2.028	2.029
#2	1.996	1.999	2.290	2.045	2.036	2.056	2.011	2.030	2.025
#3	1.998	2.008	2.298	2.048	2.051	2.056	2.015	2.034	2.022

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

7.1
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Sample Name: CCV Acquired: 3/25/2016 14:51:48 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2398.7	5046.0	42039.	4230.7
Stddev	.9	7.9	73.	6.5
%RSD	.03676	.15589	.17386	.15456
#1	2399.7	5037.6	42056.	4227.7
#2	2398.3	5053.2	41959.	4226.1
#3	2398.1	5047.3	42102.	4238.2

Sample Name: CCB Acquired: 3/25/2016 14:55:58 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm
Avg	-0.002	0.035	0.001	0.003	-0.001	0.006	0.001	0.000
Stddev	.0002	.0064	.0004	.0001	.0001	.0020	.0000	.0000
%RSD	102.5	180.7	275.1	39.87	77.38	339.5	29.81	100.2
#1	.0000	.0081	-.0003	.0004	-.0001	.0020	.0001	.0000
#2	-.0005	-.0038	.0002	.0003	.0000	.0015	.0001	.0001
#3	-.0002	.0062	.0005	.0002	-.0001	-.0017	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm
Avg	-0.002	F -0.020	0.070	0.0923	0.014	0.000	0.007	0.055
Stddev	.0002	.0002	.0058	.0336	.0057	.0001	.0002	.0026
%RSD	88.32	10.87	81.92	36.38	393.3	1183.	32.99	3.035
#1	-.0004	-.0021	.0125	.0659	.0014	.0001	.0009	.0845
#2	-.0002	-.0018	.0077	.0809	-.0042	.0000	.0008	.0836
#3	.0000	-.0023	.0010	.1301	.0072	-.0001	.0005	.0885

Check ? Chk Pass Chk Fail .0020 -0.0020
 High Limit Low Limit

Elem Units	Ni2316 ppm	Pb2203 ppm	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm
Avg	0.001	-0.002	0.007	0.009	-0.019	0.002	0.000	0.008
Stddev	.0001	.0001	.0006	.0013	.0004	.0002	.000	.0001
%RSD	122.9	69.30	85.51	147.5	21.83	108.4	53.11	18.26
#1	.0002	-.0002	.0012	.0024	-.0015	.0002	.0000	.0009
#2	.0001	-.0003	.0009	.0003	-.0018	.0000	-.0001	.0008
#3	.0000	.0000	.0000	.0000	-.0023	.0004	.0000	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/25/2016 14:55:58 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	.0000	.0001	-0.0005
Stddev	.0010	.0002	.0000
%RSD	7408.	340.0	3.300

#1	.0004	.0002	-.0005
#2	.0008	-.0002	-.0005
#3	-.0012	.0002	-.0004

Check ? Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2764.9	5241.4	4364.3	4284.7
Stddev	8.7	8.8	126.	7.8
%RSD	.31355	.16804	.28949	.18197

#1	2755.5	5239.9	43498.	4276.9
#2	2766.6	5233.4	43732.	4284.7
#3	2772.6	5250.9	43697.	4292.5

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Sample Name: CRIA Acquired: 3/25/2016 15:00:31 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0090	.2018	.0100	.2008	.0050	1.036	.0055	.0542	.0104
Stddev	.0002	.0068	.0003	.0007	.0000	.007	.0001	.0003	.0001
%RSD	2.062	3.369	2.642	.3393	.5444	.6712	1.024	.5013	.9732

#1	.0089	.1986	.0103	.2010	.0050	1.038	.0055	.0542	.0105
#2	.0092	.2097	.0099	.2001	.0050	1.029	.0056	.0545	.0104
#3	.0088	.1972	.0098	.2014	.0050	1.042	.0055	.0540	.0103

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(In2306)
Avg	.0247	.3155	10.14	5.127	.0165	.0508	10.23	.0442	.0050
Stddev	.0003	.0018	.09	.029	.0001	.0001	.02	.0002	.0006
%RSD	1.341	.5839	.9205	.5550	.3361	.2922	.1789	.4410	11.78

#1	.0243	.3164	10.10	5.111	.0165	.0509	10.24	.0440	.0057
#2	.0249	.3166	10.07	5.160	.0166	.0509	10.21	.0444	.0048
#3	.0249	.3133	10.24	5.110	.0166	.0506	10.24	.0443	.0046

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0048	.0097	.0033	.0541	.0100	.0104	.0107	.0503	.0220
Stddev	.0010	.0013	.0004	.0003	.0001	.0001	.0010	.0002	.0001
%RSD	21.80	13.13	11.84	.5715	.7994	1.063	9.395	.4807	.3302

#1	.0042	.0111	.0029	.0538	.0100	.0104	.0111	.0505	.0220
#2	.0041	.0086	.0037	.0544	.0099	.0103	.0115	.0500	.0221
#3	.0060	.0095	.0032	.0542	.0100	.0105	.0096	.0503	.0220

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2694.9	5205.9	4344.8	4374.6
Stddev	9.0	6.2	176.	22.9
%RSD	.33324	.11912	.40435	.52461

#1	2685.6	5210.5	43554.	4361.1
#2	2703.5	5198.9	43245.	4361.5
#3	2695.6	5208.5	43545.	4401.1

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7.1
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Sample Name: ICESA Acquired: 3/25/2016 15:04:57 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0005	485.1	.0010	-0.0001	-0.0002	469.6	-0.0001	-0.0001	-0.0002
Stddev	.0001	1.3	.0018	.0002	.0001	2.1	.0001	.0000	.0002
%RSD	28.16	.2728	182.8	154.9	27.36	.4441	125.9	26.75	114.5

#1	-.0004	484.8	.0019	-.0003	-.0002	470.4	.0000	-.0001	-.0003
#2	-.0004	483.9	.0022	.0001	-.0003	471.1	-.0001	-.0001	.0001
#3	-.0006	486.5	-.0011	-.0003	-.0002	467.2	-.0001	-.0001	-.0003

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0014	184.1	.0889	F 507.2	-0.0005	.0003	.3069	.0007	.0025
Stddev	.0002	.5	.0404	.8	.0001	.0003	.0186	.0001	.0020
%RSD	12.72	.2789	45.49	.1664	14.92	110.6	6.075	14.67	77.92

#1	-.0015	184.0	.0513	506.9	-.0004	.0005	.2953	.0006	.0025
#2	-.0012	184.6	.0836	508.2	-.0006	.0004	.2969	.0008	.0045
#3	-.0014	183.6	.1317	506.6	-.0005	-.0001	.3284	.0007	.0006

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0002	-0.0024	.0093	.0012	-0.0001	-0.0001	-0.0007	.0002	-0.0028
Stddev	.0013	.0031	.0010	.0008	.0001	.0000	.0055	.0002	.0002
%RSD	672.3	130.5	10.68	66.38	71.16	30.89	757.0	137.2	5.324

#1	.0006	.0008	.0086	.0018	-.0001	-.0001	-.0061	-.0001	-.0029
#2	-.0013	-.0026	.0105	.0003	.0000	-.0001	.0049	.0002	-.0027
#3	.0013	-.0054	.0089	.0014	-.0001	.0000	-.0009	.0004	-.0029

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2112.3	4644.8	3788.6	4035.8
Stddev	2.0	6.9	136.	3.4
%RSD	.09666	.14852	.35816	.08305

#1	2110.0	4637.0	37794.	4038.0
#2	2112.8	4647.6	37822.	4037.6
#3	2114.0	4649.9	38041.	4032.0

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Sample Name: ICESAB Acquired: 3/25/2016 15:09:36 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F 1.020	498.8	1.088	.5072	.5030	478.7	.9529	.4699	.5046
Stddev	.003	2.2	.002	.0026	.0009	3.5	.0018	.0004	.0008
%RSD	2.457	.4352	.2054	.5084	.1690	.7286	.1886	.0836	.1489

#1	1.023	498.0	1.090	.5044	.5039	474.7	.9518	.4697	.5053
#2	1.018	501.3	1.089	.5078	.5022	480.9	.9550	.4703	.5038
#3	1.018	497.2	1.086	.5094	.5028	480.6	.9519	.4697	.5048

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5361	188.8	.0953	F 517.8	.5029	.9418	.3064	.9479	.9601
Stddev	.0016	.2	.0332	1.0	.0014	.0014	.0035	.0006	.0033
%RSD	.3067	.0940	34.85	.2011	.2781	.1437	1.152	.0615	.3472

#1	.5380	189.0	.1223	518.9	.5038	.9417	.3094	.9477	.9572
#2	.5351	188.7	.1055	517.8	.5036	.9432	.3073	.9486	.9594
#3	.5352	188.6	.0582	516.8	.5013	.9405	.3025	.9475	.9637

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.020	1.002	.0433	.9261	1.021	.9743	.9491	.4700	.9461
Stddev	.001	.003	.0014	.0022	.005	.0024	.0040	.0012	.0017
%RSD	.1298	.3308	3.185	.2325	.4748	.2459	.4189	.2642	.1782

#1	1.019	.9997	.0441	.9248	1.016	.9765	.9481	.4699	.9444
#2	1.021	1.006	.0417	.9286	1.023	.9745	.9458	.4713	.9478
#3	1.021	1.001	.0440	.9250	1.025	.9717	.9535	.4688	

Sample Name: CCV Acquired: 3/25/2016 15:14:06 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2529	39.38	2.013	1.980	1.992	39.90	2.043	2.027	2.019
Stddev	.0004	.13	.006	.007	.007	.15	.003	.002	.006
%RSD	.1487	.3232	.2865	.3345	.3375	.3690	.1475	.1017	.2856
#1	.2530	39.43	2.011	1.975	2.000	40.05	2.043	2.026	2.014
#2	.2525	39.48	2.020	1.987	1.989	39.76	2.041	2.025	2.025
#3	.2532	39.24	2.009	1.976	1.987	39.87	2.047	2.029	2.017

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.974	38.96	39.67	39.40	2.024	2.033	39.65	2.042	2.017
Stddev	.004	.13	.08	.18	.003	.002	.07	.003	.003
%RSD	.2244	.3415	.1901	.4520	.1611	.0780	.1859	.1329	.1350
#1	1.976	39.11	39.66	39.60	2.021	2.031	39.66	2.042	2.013
#2	1.969	38.88	39.75	39.27	2.027	2.034	39.72	2.040	2.018
#3	1.976	38.87	39.60	39.32	2.022	2.034	39.57	2.045	2.018

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.014	2.016	2.303	2.047	1.997	2.052	2.033	2.045	2.023
Stddev	.003	.008	.003	.006	.007	.001	.006	.008	.005
%RSD	.1337	.4133	.1197	.2850	.3602	.0317	.2794	.4079	.2504
#1	2.014	2.006	2.300	2.040	1.996	2.052	2.039	2.035	2.026
#2	2.017	2.020	2.304	2.047	2.005	2.053	2.032	2.050	2.018
#3	2.011	2.021	2.305	2.052	1.991	2.052	2.028	2.048	2.027

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/25/2016 15:14:06 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2381.0	5018.4	42138.	4268.2
Stddev	5.6	7.7	104.	21.3
%RSD	.23484	.15263	.24711	.49956
#1	2387.0	5027.0	42217.	4244.6
#2	2380.1	5015.7	42177.	4274.0
#3	2375.9	5012.4	42020.	4286.1

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.974	38.96	39.67	39.40	2.024	2.033	39.65	2.042	2.017
Stddev	.004	.13	.08	.18	.003	.002	.07	.003	.003
%RSD	.2244	.3415	.1901	.4520	.1611	.0780	.1859	.1329	.1350
#1	1.976	39.11	39.66	39.60	2.021	2.031	39.66	2.042	2.013
#2	1.969	38.88	39.75	39.27	2.027	2.034	39.72	2.040	2.018
#3	1.976	38.87	39.60	39.32	2.022	2.034	39.57	2.045	2.018

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.014	2.016	2.303	2.047	1.997	2.052	2.033	2.045	2.023
Stddev	.003	.008	.003	.006	.007	.001	.006	.008	.005
%RSD	.1337	.4133	.1197	.2850	.3602	.0317	.2794	.4079	.2504
#1	2.014	2.006	2.300	2.040	1.996	2.052	2.039	2.035	2.026
#2	2.017	2.020	2.304	2.047	2.005	2.053	2.032	2.050	2.018
#3	2.011	2.021	2.305	2.052	1.991	2.052	2.028	2.048	2.027

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

7.1
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Sample Name: CCB Acquired: 3/25/2016 15:18:18 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0082	-0.0006	.0001	-0.0001	.0080	.0000	.0001	-0.0002
Stddev	.000	.0048	.0006	.0001	.0000	.0017	.0000	.0001	.0001
%RSD	1171.	58.53	99.04	93.73	44.65	21.48	79.82	128.9	55.93
#1	-.0004	.0136	-0.0003	.0000	-0.0001	.0076	.0001	.0000	-0.0001
#2	.0002	.0045	-0.0012	.0003	-0.0001	.0065	.0000	.0002	-0.0001
#3	.0001	.0065	-0.0002	.0001	.0000	.0099	.0000	.0001	-0.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0018	.0129	.0462	.0009	.0000	.0008	.0693	.0000	-0.0005
Stddev	.0002	.0043	.0288	.0093	.0000	.0002	.0018	.0001	.0006
%RSD	8.368	33.05	62.39	1044.	60.86	30.47	2.625	555.1	109.2
#1	-0.0019	.0173	.0136	.0095	.0000	.0010	.0688	.0000	-0.0010
#2	-0.0016	.0127	.0568	.0022	.0001	.0007	.0677	-0.0001	-0.0006
#3	-0.0019	.0088	.0682	-0.0090	.0000	.0006	.0713	.0000	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	.0003	-0.0018	.0003	-0.0001	.0007	.0010	-0.0001	-0.0004
Stddev	.0009	.0013	.0003	.0001	.0000	.0003	.0008	.0003	.0000
%RSD	81.17	441.8	15.02	27.68	49.26	39.65	80.29	421.6	9.742
#1	.0022	-0.0009	-0.0015	.0004	.0000	.0008	.0019	-0.0004	-0.0004
#2	.0009	.0017	-0.0020	.0002	-0.0001	.0008	.0009	.0001	-0.0004
#3	.0004	.0001	-0.0018	.0002	-0.0001	.0004	.0003	.0001	-0.0004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/25/2016 15:18:18 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2756.3	5249.5	43790.	4320.2
Stddev	.6	11.8	62.	46.8
%RSD	.02311	.22569	.14123	1.0834
#1	2755.8	5249.1	43805.	4303.8
#2	2757.0	5237.8	43842.	4283.8
#3	2756.2	5261.5	43721.	4373.0

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0018	.0129	.0462	.0009	.0000	.0008	.0693	.0000	-0.0005
Stddev	.0002	.0043	.0288	.0093	.0000	.0002	.0018	.0001	.0006
%RSD	8.368	33.05	62.39	1044.	60.86	30.47	2.625	555.1	109.2
#1	-0.0019	.0173	.0136	.0095	.0000	.0010	.0688	.0000	-0.0010
#2	-0.0016	.0127	.0568	.0022	.0001	.0007	.0677	-0.0001	-0.0006
#3	-0.0019	.0088	.0682	-0.0090	.0000	.0006	.0713	.0000	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	.0003	-0.0018	.0003	-0.0001	.0007	.0010	-0.0001	-0.0004
Stddev	.0009	.0013	.0003	.0001	.0000	.0003	.0008	.0003	.0000
%RSD	81.17	441.8	15.02	27.68	49.26	39.65	80.29	421.6	9.742
#1	.0022	-0.0009	-0.0015	.0004	.0000	.0008	.0019	-0.0004	-0.0004
#2	.0009	.0017	-0.0020	.0002	-0.0001	.0008	.0009	.0001	-0.0004
#3	.0004	.0001	-0.0018	.0002	-0.0001	.0004	.0003	.0001	-0.0004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000009	0.000000	No
Al 396.152 {85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000083	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 {74}	<input checked="" type="checkbox"/>	1	Fe	0.000005	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000091	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000000	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000019	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000112	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 {44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000009	0.000000	No
Na 589.592 {57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000041	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000044	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000026	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	0.000027	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000035	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	-0.000011	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000013	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Sample Name: HSTD Acquired: 5/6/2016 10:54:27 Type: QC
 Method: 60102007_042011(v97) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5021	80.66	4.064	4.071	3.991	81.05	4.001	4.017	3.978
Stddev	.0030	.38	.003	.012	.016	.36	.004	.002	.027
%RSD	.5896	.4738	.0753	.2999	.3883	.4440	.1064	.0361	.6741
#1	.5055	81.09	4.061	4.084	4.009	81.44	3.996	4.017	3.975
#2	.5002	80.52	4.063	4.069	3.982	80.95	4.002	4.016	4.006
#3	.5007	80.37	4.067	4.060	3.983	80.74	4.004	4.019	3.952

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.991	80.42	81.53	80.85	3.917	4.009	80.75	4.007	4.073
Stddev	.008	.39	.26	.48	.030	.005	.23	.011	.011
%RSD	.2008	.4904	.3136	.5884	.7725	.1148	.2887	.2715	.2574
#1	3.993	80.87	81.82	81.39	3.902	4.006	81.01	3.994	4.061
#2	3.998	80.12	81.44	80.63	3.952	4.006	80.67	4.013	4.076
#3	3.982	80.28	81.33	80.52	3.898	4.014	80.56	4.013	4.081

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.053	4.077	4.553	3.988	3.985	3.949	4.038	3.995	3.993
Stddev	.003	.009	.004	.001	.012	.025	.012	.020	.014
%RSD	.0766	.2173	.0796	.0281	.2918	.6252	.2947	.5025	.3438
#1	4.053	4.067	4.549	3.999	3.998	3.938	4.025	3.997	3.977
#2	4.049	4.082	4.552	3.996	3.980	3.977	4.041	4.013	4.003
#3	4.055	4.082	4.557	3.998	3.976	3.931	4.049	3.973	3.998

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 5/6/2016 10:54:27 Type: QC
 Method: 60102007_042011(v97) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2236.3	4824.8	39167.	3669.0
Stddev	3.3	8.3	254.	16.7
%RSD	.14633	.17213	.64870	.45449
#1	2234.8	4817.8	39218.	3649.9
#2	2240.0	4834.0	38892.	3676.5
#3	2234.0	4822.6	39392.	3680.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.991	80.42	81.53	80.85	3.917	4.009	80.75	4.007	4.073
Stddev	.008	.39	.26	.48	.030	.005	.23	.011	.011
%RSD	.2008	.4904	.3136	.5884	.7725	.1148	.2887	.2715	.2574
#1	3.993	80.87	81.82	81.39	3.902	4.006	81.01	3.994	4.061
#2	3.998	80.12	81.44	80.63	3.952	4.006	80.67	4.013	4.076
#3	3.982	80.28	81.33	80.52	3.898	4.014	80.56	4.013	4.081

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.053	4.077	4.553	3.988	3.985	3.949	4.038	3.995	3.993
Stddev	.003	.009	.004	.001	.012	.025	.012	.020	.014
%RSD	.0766	.2173	.0796	.0281	.2918	.6252	.2947	.5025	.3438
#1	4.053	4.067	4.549	3.999	3.998	3.938	4.025	3.997	3.977
#2	4.049	4.082	4.552	3.996	3.980	3.977	4.041	4.013	4.003
#3	4.055	4.082	4.557	3.998	3.976	3.931	4.049	3.973	3.998

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 5/6/2016 11:00:23 Type: QC
 Method: 60102007_042011(v97) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2454	41.14	2.016	2.104	2.054	42.35	2.057	2.067	2.042
Stddev	.0024	.24	.014	.007	.011	.25	.012	.015	.015
%RSD	.9746	.5881	.6897	.3501	.5383	.5869	.5928	.7233	.7154
#1	.2478	41.05	2.007	2.100	2.047	42.34	2.052	2.057	2.059
#2	.2454	40.95	2.010	2.100	2.049	42.10	2.047	2.059	2.036
#3	.2430	41.41	2.032	2.113	2.067	42.60	2.070	2.084	2.032

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.967	41.80	42.12	42.22	2.061	1.939	42.06	2.078	2.048
Stddev	.013	.25	.12	.33	.013	.014	.23	.014	.019
%RSD	.6553	.5979	.2744	.7880	.6043	.7206	.5394	.6507	.9158
#1	2.001	41.72	42.06	42.06	2.095	1.932	41.91	2.070	2.029
#2	1.984	41.60	42.06	41.99	2.074	1.929	41.95	2.070	2.048
#3	1.975	42.08	42.26	42.60	2.073	1.955	42.33	2.094	2.066

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.042	2.065	.0997	2.094	1.953	1.972	2.112	1.928	2.082
Stddev	.020	.016	.0012	.019	.012	.011	.025	.013	.007
%RSD	.9720	.7494	1.203	.9244	.6273	.5762	1.176	.6544	.3548
#1	2.025	2.051	.0984	2.077	1.943	1.985	2.087	1.943	2.079
#2	2.036	2.063	.0998	2.091	1.951	1.968	2.114	1.924	2.076
#3	2.064	2.082	.1008	2.115	1.967	1.963	2.136	1.919	2.090

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 5/6/2016 11:00:23 Type: QC
 Method: 60102007_042011(v97) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2426.4	5031.8	40218.	3767.0
Stddev	18.8	35.6	295.	30.8
%RSD	.77403	.70673	.73285	.81818
#1	2419.6	5021.9	39877.	3787.8
#2	2447.6	5071.3	40389.	3781.6
#3	2412.0	5002.3	40387.	3731.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.967	41.80	42.12	42.22	2.061	1.939	42.06	2.078	2.048
Stddev	.013	.25	.12	.33	.013	.014	.23	.014	.019
%RSD	.6553	.5979	.2744	.7880	.6043	.7206	.5394	.6507	.9158
#1	2.001	41.72	42.06	42.06	2.095	1.932	41.91	2.070	2.029
#2	1.984	41.60	42.06	41.99	2.074	1.929	41.95	2.070	2.048
#3	1.975	42.08	42.26	42.60	2.073	1.955	42.33	2.094	2.066

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.042	2.065	.0997	2.094	1.953	1.972	2.112	1.928	2.082
Stddev	.020	.016	.0012	.019	.012	.011	.025	.013	.007
%RSD	.9720	.7494	1.203	.9244	.6273	.5762	1.176	.6544	.3548
#1	2.025	2.051	.0984	2.077	1.943	1.985	2.087	1.943	2.079
#2	2.036	2.063	.0998	2.091	1.951	1.968	2.114	1.924	2.076
#3	2.064	2.082	.1008	2.115	1.967	1.963	2.136	1.919	2.090

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICB Acquired: 5/6/2016 11:07:16 Type: QC
 Method: 60102007_042011(v97) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0073	-0.0005	.0001	.0002	-0.0009	.0000	.0000	.0002
Stddev	.0003	.0065	.0004	.0002	.0001	.0022	.0001	.0001	.0000
%RSD	123.8	89.41	90.43	271.3	56.55	233.6	202.8	377.2	14.16

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	.0032	-0.0332	.0031	.0001	.0003	.0075	.0000	.0000
Stddev	.0002	.0007	.0248	.0116	.0001	.0001	.0084	.000	.001
%RSD	152.2	23.01	74.71	370.9	55.04	51.79	111.6	475.6	2474.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.0014	.0005	.0001	.0000	.0001	.0008	.0002	-0.0001
Stddev	.0005	.0016	.0002	.0003	.000	.0000	.0005	.0002	.0001
%RSD	2770.	115.4	47.29	242.5	616.0	24.52	71.88	100.2	111.2

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 5/6/2016 11:07:16 Type: QC
 Method: 60102007_042011(v97) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2868.2	5344.3	42689.	3795.9
Stddev	3.4	4.5	135.	6.3
%RSD	.11718	.08355	.31702	.16698

#1 2871.3 5339.9 42813. 3803.3
 #2 2864.6 5344.1 42709. 3792.4
 #3 2868.6 5348.8 42545. 3792.2

Sample Name: CRIA Acquired: 5/6/2016 11:11:04 Type: QC
 Method: 60102007_042011(v97) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0095	.2295	.0097	.2088	.0052	1.079	.0055	.0548	.0108
Stddev	.0000	.0071	.0006	.0009	.0000	.010	.0001	.0002	.0002
%RSD	.4278	3.074	5.726	4.153	.9605	.9528	1.412	.3490	1.473

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0276	.3237	10.25	5.275	.0166	.0508	10.37	.0440	.0054
Stddev	.0002	.0041	.07	.042	.0002	.0001	.00	.0005	.0005
%RSD	.6684	1.266	6752	.8035	.9718	.1999	.0475	1.065	8.644

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0052	.0095	.0511	.0552	.0103	.0105	.0102	.0500	.0236
Stddev	.0004	.0028	.0004	.0004	.0001	.0001	.0005	.0001	.0002
%RSD	6.908	29.52	.8787	.7493	.5050	.5643	5.391	.2327	.7510

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 5/6/2016 11:11:04 Type: QC
 Method: 60102007_042011(v97) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2734.1	5251.4	42127.	3806.3
Stddev	3.4	11.7	176.	19.3
%RSD	.12406	.22297	.41769	.50703

#1 2733.5 5241.5 42038. 3824.9
 #2 2731.1 5264.3 42330. 3786.4
 #3 2737.8 5248.3 42014. 3807.7

Sample Name: ICSA Acquired: 5/6/2016 11:19:26 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	510.1	.0000	.0007	-0.0001	494.1	-0.0007	-0.0003	.0000
Stddev	.0004	4.2	.001	.0003	.0001	2.1	.0001	.0002	.0002
%RSD	90.22	.8246	3363.	48.86	41.60	4.260	8.680	63.60	11220.
#1	.0007	505.3	-0.010	.0008	-0.0002	496.5	-0.0007	-0.0001	.0002
#2	.0000	512.8	.0002	.0010	-0.0001	493.2	-0.0007	-0.0003	-0.0001
#3	.0008	512.2	.0007	.0003	-0.0001	492.6	-0.0006	-0.0005	-0.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0010	188.2	.0391	526.0	.0001	-0.0004	.1945	.0000	.0001
Stddev	.0002	.6	.0564	2.2	.0000	.0001	.0162	.000	.0015
%RSD	16.37	.3167	144.3	4.188	29.92	25.79	8.330	7312.	2249.
#1	-0.0009	188.5	.0724	527.4	.0001	-0.0003	.1760	.0003	.0000
#2	-0.0009	188.5	.0709	527.1	.0002	-0.0004	.2060	-0.0002	-0.0014
#3	-0.0012	187.5	-.0260	523.4	.0001	-0.0005	.2017	-0.0001	.0016

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0006	.0000	.0268	F .0019	.0000	.0002	.0000	-0.0004	-0.0014
Stddev	.0009	.0018	.0016	.0005	.0000	.0001	.002	.0001	.0001
%RSD	146.3	9061.	6.100	26.07	90.90	74.28	6333.	29.67	10.20
#1	-0.0013	.0021	.0262	.0017	.0000	.0003	.0002	-0.0002	-0.0014
#2	-0.0009	-0.0014	.0287	.0015	.0001	.0002	.0016	-0.0004	-0.0015
#3	.0004	-0.0006	.0256	.0024	.0000	.0001	-0.0018	-0.0004	-0.0012

Sample Name: ICSA Acquired: 5/6/2016 11:19:26 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2161.9	4642.0	3683.8	3507.7
Stddev	6.3	2.1	31.	4.6
%RSD	.29004	.04617	.08470	.13253
#1	2158.5	4643.5	3680.6	3503.0
#2	2169.2	4643.1	3686.9	3507.7
#3	2158.2	4639.6	3683.9	3512.3

7.2

7

Sample Name: ICSAB Acquired: 5/6/2016 11:26:02 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.056	515.2	1.092	.5300	.5154	491.1	.9673	.4806	.5141
Stddev	.001	2.3	.002	.0025	.0007	4.0	.0025	.0013	.0008
%RSD	.1231	.4520	.1336	.4766	.1390	.8057	.2577	.2692	.1536
#1	1.058	512.7	1.091	.5304	.5155	493.3	.9700	.4817	.5136
#2	1.056	515.5	1.091	.5323	.5161	493.6	.9650	.4809	.5137
#3	1.055	517.3	1.093	.5273	.5146	486.6	.9668	.4791	.5150

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5534	189.0	-0.0108	524.6	.5117	.9577	.1902	.9654	.9754
Stddev	.0004	.6	.0089	1.9	.0013	.0002	.0033	.0011	.0055
%RSD	.0801	.3221	82.23	.3713	.2522	.0256	1.715	.1096	.5644
#1	.5539	189.3	-.0210	525.9	.5102	.9577	.1864	.9667	.9805
#2	.5531	189.4	-.0056	525.5	.5122	.9574	.1923	.9650	.9696
#3	.5532	188.3	-.0057	522.4	.5126	.9578	.1918	.9647	.9761

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.032	1.037	.1249	.9475	1.037	1.016	.9612	.4759	.9690
Stddev	.003	.004	.0015	.0029	.001	.001	.0070	.0001	.0033
%RSD	.2910	.4065	1.197	.3083	.0982	.0943	.7329	.0117	.3457
#1	1.029	1.036	.1256	.9507	1.037	1.015	.9693	.4759	.9726
#2	1.034	1.034	.1232	.9450	1.038	1.017	.9577	.4758	.9661
#3	1.034	1.042	.1259	.9469	1.036	1.015	.9567	.4759	.9682

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 5/6/2016 11:26:02 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2139.5	4642.2	3662.7	3459.9
Stddev	2.8	5.4	70.	14.5
%RSD	.12921	.11628	.19219	.41897
#1	2136.3	4638.8	3664.6	3449.2
#2	2141.5	4639.2	3668.5	3454.0
#3	2140.6	4648.4	3654.8	3476.4

Sample Name: CCV Acquired: 5/6/2016 11:32:48 Type: QC
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Table with 10 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include #1, #2, #3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 10 columns: Elem, Units, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Table with 10 columns: Elem, Units, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include #1, #2, #3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 10 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Table with 10 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include #1, #2, #3.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Sample Name: CCV Acquired: 5/6/2016 11:32:48 Type: QC
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include #1, #2, #3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 10 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Table with 10 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include #1, #2, #3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 10 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Table with 10 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include #1, #2, #3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Sample Name: CCB Acquired: 5/6/2016 11:42:06 Type: QC
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Table with 10 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include #1, #2, #3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit Low Limit

Table with 10 columns: Elem, Units, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Table with 10 columns: Elem, Units, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include #1, #2, #3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit Low Limit

Table with 10 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Table with 10 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include #1, #2, #3.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit Low Limit

Sample Name: CCB Acquired: 5/6/2016 11:42:06 Type: QC
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include #1, #2, #3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit Low Limit

Table with 10 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Table with 10 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include #1, #2, #3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit Low Limit

Table with 10 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Table with 10 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include #1, #2, #3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit Low Limit

Sample Name: MP30327-MB1 Acquired: 5/6/2016 11:46:33 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0084	-0.018	-0.004	.0000	.0092	-0.001	-0.001	.0001
Stddev	.0001	.0042	.0008	.0004	.000	.0037	.0000	.0001	.0002
%RSD	46.43	50.03	42.34	124.5	1048.	40.34	22.69	78.43	250.8
#1	.0001	.0058	-.0010	.0001	.0000	.0060	-.0001	-.0002	.0002
#2	.0001	.0132	-.0026	-.0004	.0000	.0133	-.0001	-.0002	-.0001
#3	.0002	.0061	-.0019	-.0007	.0000	.0084	-.0001	.0000	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0017	.0040	-0.0071	-0.0011	-0.001	.0239	-0.002	-0.004
Stddev	.0001	.0071	.0497	.0370	.0000	.0001	.0094	.0003	.0004
%RSD	29.54	417.3	1256.	520.3	69.25	89.83	39.46	145.1	118.5
#1	.0004	.0097	-.0512	-.0498	.0000	.0000	.0343	.0001	.0001
#2	.0002	-.0006	.0452	.0134	-.0001	-.0001	.0216	-.0006	-.0007
#3	.0002	-.0040	.0179	.0151	-.0001	-.0002	.0158	-.0002	-.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	-0.0006	.0082	.0005	-0.0011	.0000	-0.0009	-0.001	.0000
Stddev	.0006	.0007	.0003	.0002	.0001	.000	.0007	.0001	.0000
%RSD	35.33	107.0	3.790	45.35	70.73	280.8	73.07	199.8	218.3
#1	.0015	.0001	.0078	.0005	.0000	-.0001	-.0006	-.0001	.0001
#2	.0013	-.0012	.0084	.0003	-.0001	.0000	-.0005	-.0002	.0000
#3	.0024	-.0008	.0084	.0007	-.0002	.0000	-.0017	.0001	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30327-MB1 Acquired: 5/6/2016 11:46:33 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2797.4	5235.2	43020.	3763.2
Stddev	6.9	4.8	243.	17.6
%RSD	.24492	.09096	.56521	.46826
#1	2798.9	5240.6	42743.	3743.3
#2	2803.3	5233.7	43122.	3769.6
#3	2789.9	5231.5	43195.	3776.8

Sample Name: MP30327-B1 Acquired: 5/6/2016 11:51:04 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0493	27.90	2.044	2.139	.0536	26.77	.0529	.5286	.2120
Stddev	.0005	.07	.005	.012	.0001	.09	.0000	.0009	.0019
%RSD	1.112	.2394	.2325	.5387	.2605	.3435	.0737	.1782	.8866
#1	.0499	27.94	2.042	2.139	.0536	26.84	.0529	.5286	.2141
#2	.0488	27.82	2.042	2.127	.0535	26.66	.0529	.5276	.2105
#3	.0493	27.94	2.050	2.150	.0538	26.79	.0528	.5295	.2114

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2700	27.52	26.00	25.76	.5364	.5108	25.88	.5342	.5091
Stddev	.0014	.07	.06	.10	.0021	.0008	.06	.0003	.0008
%RSD	.5073	.2530	.2317	.3766	.3957	.1554	.2256	.0643	.1538
#1	.2715	27.57	25.98	25.85	.5388	.5104	25.89	.5339	.5082
#2	.2692	27.44	25.95	25.66	.5349	.5103	25.82	.5342	.5097
#3	.2692	27.55	26.06	25.77	.5355	.5117	25.94	.5346	.5094

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5242	2.084	.0230	.5331	.5054	.5152	2.057	.4987	.5235
Stddev	.0008	.004	.0011	.0010	.0007	.0025	.002	.0023	.0018
%RSD	.1449	.1953	4.948	.1946	.1347	.4835	.1153	.4708	.3443
#1	.5234	2.083	.0243	.5341	.5050	.5180	2.056	.5010	.5227
#2	.5249	2.081	.0222	.5320	.5049	.5142	2.056	.4988	.5223
#3	.5244	2.089	.0225	.5332	.5062	.5134	2.060	.4963	.5256

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30327-B1 Acquired: 5/6/2016 11:51:04 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2510.8	5039.4	40667.	3661.9
Stddev	4.5	10.3	221.	20.0
%RSD	.18085	.20397	.54313	.54486
#1	2511.7	5038.1	40419.	3649.9
#2	2514.8	5050.2	40739.	3684.9
#3	2505.8	5029.7	40842.	3651.0

Sample Name: FA33633-1 Acquired: 5/6/2016 11:55:16 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	4.986	-0.010	0.289	-0.001	14.95	-0.001	0.004	0.049
Stddev	.0004	.020	.0002	.0006	.0000	.12	.0000	.0000	.0001
%RSD	820.1	4.037	15.03	2.074	43.77	.7692	28.80	9.999	2.731
#1	-.0003	4.963	-.0010	.0290	-.0001	14.83	-.0001	.0004	.0048
#2	.0000	4.996	-.0012	.0294	-.0001	14.98	-.0001	.0005	.0049
#3	.0004	4.998	-.0009	.0282	.0000	15.05	-.0001	.0004	.0050
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.023	2.262	12.49	3.319	0.056	0.005	7.395	0.017	0.012
Stddev	.0001	.015	.09	.050	.0000	.0001	.042	.0000	.0005
%RSD	6.570	.6673	.7022	1.490	.8063	32.73	.5615	2.088	39.75
#1	.0022	2.246	12.40	3.276	.0056	.0006	7.359	.0017	.0010
#2	.0024	2.276	12.58	3.309	.0055	.0003	7.387	.0016	.0008
#3	.0022	2.263	12.49	3.373	.0056	.0004	7.440	.0017	.0017
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.010	0.023	4.522	0.002	0.035	1.960	-0.016	0.103	0.341
Stddev	.0006	.0014	.017	.0002	.0002	.0011	.0012	.0001	.0001
%RSD	65.30	60.51	.3769	111.1	.7063	5.830	75.65	1.205	2.243
#1	.0008	.0035	4.538	.0001	.0333	.1971	-.0004	.0102	.0340
#2	.0017	.0028	4.523	.0005	.0334	.1949	-.0015	.0103	.0342
#3	.0004	.0008	4.504	.0000	.0338	.1960	-.0027	.0105	.0341
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2664.7	5186.6	4187.4	3711.5					
Stddev	4.4	2.6	58.	40.2					
%RSD	.16418	.05044	.13768	1.0823					
#1	2664.9	5186.5	4182.1	3757.8					
#2	2660.1	5184.0	41935.	3687.3					
#3	2668.9	5189.2	41866.	3689.2					

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Sample Name: MP30327-D1 Acquired: 5/6/2016 11:59:42 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	5.059	-0.002	0.289	-0.001	15.09	-0.001	0.005	0.049
Stddev	.0001	.044	.0006	.0003	.0000	.03	.0000	.0001	.0001
%RSD	102.5	.8796	269.5	1.186	20.69	.2047	29.30	19.68	2.047
#1	-.0003	5.094	-.0008	.0293	-.0001	15.13	-.0001	.0004	.0048
#2	.0000	5.074	.0003	.0287	-.0001	15.07	-.0001	.0005	.0048
#3	-.0001	5.009	-.0001	.0287	-.0002	15.07	-.0001	.0005	.0050
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.022	2.278	12.57	3.375	0.056	0.000	7.521	0.017	0.010
Stddev	.0001	.011	.04	.009	.0000	.000	.028	.0001	.0006
%RSD	5.773	.4723	.3119	.2650	.6832	66.15	.3735	4.485	63.39
#1	.0024	2.270	12.60	3.381	.0057	.0000	7.541	.0017	.0014
#2	.0021	2.290	12.58	3.380	.0056	-.0001	7.534	.0018	.0003
#3	.0022	2.273	12.52	3.365	.0056	.0000	7.489	.0016	.0013
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.009	0.013	4.578	0.002	0.039	1.992	-0.021	0.104	0.345
Stddev	.0004	.0010	.003	.0002	.0001	.0023	.0004	.0001	.0002
%RSD	46.29	79.23	.0624	84.98	.2446	1.129	17.60	1.194	4.728
#1	.0009	.0023	4.578	.0002	.0339	.2018	-.0025	.0104	.0343
#2	.0014	.0012	4.575	.0003	.0338	.1983	-.0020	.0105	.0346
#3	.0005	.0003	4.580	.0000	.0340	.1976	-.0018	.0103	.0346
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2673.8	5199.8	41925.	3667.6					
Stddev	5.8	7.6	101.	16.8					
%RSD	.21776	.14572	.24103	4.5858					
#1	2679.6	5208.0	41842.	3652.2					
#2	2673.9	5198.4	41895.	3665.1					
#3	2667.9	5193.1	42037.	3685.6					

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7.2
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Sample Name: MP30327-SD1 Acquired: 5/6/2016 12:04:07 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.003	4.402	-0.028	0.242	-0.008	13.25	-0.002	-0.003	0.043
Stddev	.0018	.079	.0012	.0007	.0001	.09	.0002	.0007	.0003
%RSD	524.1	1.796	43.77	2.752	16.06	6.519	70.45	224.4	7.662
#1	.0022	4.334	-.0042	.0242	-.0009	13.26	-.0004	.0004	.0044
#2	.0001	4.383	-.0024	.0249	-.0007	13.16	-.0002	-.0010	.0044
#3	-.0013	4.489	-.0018	.0236	-.0009	13.33	-.0001	-.0004	.0039
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.025	1.967	11.01	2.970	0.044	-0.038	6.569	0.011	0.002
Stddev	.0005	.018	.16	.114	.0001	.0006	.056	.0001	.0014
%RSD	21.24	.9081	1.418	3.822	3.397	16.79	.8524	10.40	659.7
#1	.0026	1.968	11.18	2.839	.0044	-.0033	6.634	.0012	.0007
#2	.0030	1.984	10.98	3.025	.0042	-.0037	6.539	.0011	-.0013
#3	.0020	1.948	10.88	3.045	.0045	-.0045	6.535	.0010	.0013
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.033	-0.0078	4.045	-0.015	0.282	1.695	-0.010	0.090	0.822
Stddev	.0028	.0128	.006	.0005	.0005	.0015	.0019	.0010	.0004
%RSD	85.03	164.6	.1506	36.00	1.803	.8704	183.9	10.66	4.599
#1	.0034	-.0077	4.051	-.0012	.0276	1.702	-.0030	.0091	.0818
#2	.0059	-.0050	4.045	-.0011	.0285	1.678	-.0007	.0100	.0822
#3	.0004	-.0206	4.039	-.0021	.0284	1.706	.0007	.0080	.0825
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2790.0	5289.4	42467.	3761.3					
Stddev	3.5	2.9	223.	8.0					
%RSD	.12484	.05420	.52523	2.1325					
#1	2786.8	5289.4	42412.	3757.6					
#2	2793.7	5292.2	42712.	3770.5					
#3	2789.4	5286.5	42276.	3755.8					

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Sample Name: MP30327-PS1 Acquired: 5/6/2016 12:08:37 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0494	7.567	1.050	3.008	0.534	20.04	0.536	0.547	0.588
Stddev	.0009	.031	.0006	.0016	.0000	.10	.0001	.0002	.0003
%RSD	1.736	.4153	.5294	.5296	.0799	.4761	.1325	.3454	.4778
#1	.0504	7.531	1.050	.2992	.0534	19.94	.0536	.0549	.0591
#2	.0487	7.591	1.055	.3024	.0534	20.12	.0535	.0546	.0586
#3	.0492	7.577	1.044	.3007	.0535	20.06	.0537	.0546	.0588
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)			

Sample Name: MP30327-S1 Acquired: 5/6/2016 12:12:54 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.097	33.00	2.029	2.169	0.541	42.03	0.521	5.230	2.170
Stddev	.0004	.06	.007	.002	.0002	.16	.0002	.0014	.0007
%RSD	.7922	.1789	.3361	.0699	.3936	.3782	.3318	.2742	.3251
#1	.0493	32.94	2.027	2.170	.0540	41.86	.0522	.5216	.2169
#2	.0500	32.99	2.023	2.167	.0541	42.17	.0519	.5228	.2178
#3	.0499	33.06	2.036	2.169	.0544	42.07	.0522	.5244	.2164
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.730	29.92	38.98	29.82	5.435	5.064	33.36	5.283	5.136
Stddev	.0002	.08	.12	.09	.0012	.0015	.08	.0024	.0019
%RSD	.0633	.2668	.3057	.2993	.2288	.2994	.2468	.4555	.3656
#1	.2732	29.83	38.88	29.78	.5427	5.054	33.31	.5260	.5127
#2	.2728	29.94	39.11	29.75	.5449	5.056	33.33	.5282	.5124
#3	.2729	29.98	38.94	29.92	.5429	5.081	33.46	.5308	.5158
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.153	2.048	4.467	5.272	5.375	7.060	2.060	5.097	5.567
Stddev	.0007	.009	.016	.0007	.0020	.0004	.002	.0001	.0018
%RSD	.1454	.4629	.3589	.1394	.3660	.0529	.1143	.0269	.3149
#1	.5161	2.037	4.456	.5280	.5364	.7057	2.063	.5096	.5550
#2	.5147	2.052	4.460	.5268	.5362	.7064	2.060	.5097	.5566
#3	.5151	2.055	4.486	.5267	.5397	.7060	2.058	.5099	.5585
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2481.7	5102.7	40533.	3608.4					
Stddev	4.3	20.3	38.	28.1					
%RSD	.17511	.39837	.09453	.77993					
#1	2486.5	5123.9	40492.	3640.8					
#2	2477.9	5100.8	40569.	3589.5					
#3	2480.7	5083.4	40537.	3595.0					

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Sample Name: MP30327-S2 Acquired: 5/6/2016 12:17:04 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.091	32.90	2.010	2.135	0.538	41.75	0.516	5.177	2.161
Stddev	.0006	.06	.005	.004	.0003	.18	.0000	.0007	.0008
%RSD	1.171	.1941	.2703	.1900	.5163	.4428	.0463	.1323	.3647
#1	.0488	32.86	2.013	2.131	.0539	41.60	.0516	.5171	.2154
#2	.0488	32.97	2.004	2.139	.0539	41.96	.0516	.5175	.2160
#3	.0498	32.86	2.014	2.134	.0534	41.70	.0516	.5184	.2170
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.701	29.77	38.80	29.70	5.432	5.005	33.39	5.234	5.084
Stddev	.0005	.16	.12	.26	.0011	.0009	.10	.0007	.0025
%RSD	.1993	.5465	.3041	.8805	.1994	.1873	.2985	.1319	.4899
#1	.2704	29.63	38.74	29.43	.5425	4.996	33.38	.5227	.5076
#2	.2704	29.94	38.93	29.95	.5445	5.003	33.50	.5233	.5064
#3	.2695	29.73	38.72	29.71	.5427	5.015	33.30	.5241	.5112
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.119	2.024	4.499	5.200	5.327	7.034	2.038	5.066	5.490
Stddev	.0005	.005	.013	.0002	.0015	.0005	.008	.0007	.0002
%RSD	.0909	.2537	.2907	.0357	.2820	.0781	.3761	.1416	.0445
#1	.5120	2.030	4.513	.5199	.5327	.7030	2.036	.5059	.5490
#2	.5114	2.020	4.487	.5198	.5342	.7040	2.031	.5073	.5493
#3	.5123	2.023	4.498	.5202	.5312	.7033	2.046	.5066	.5488
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2490.2	5108.0	40471.	3568.3					
Stddev	4.0	1.2	45.	15.0					
%RSD	.16082	.02379	.11057	.42034					
#1	2493.9	5109.4	40448.	3582.2					
#2	2490.8	5107.2	40523.	3552.4					
#3	2485.9	5107.5	40443.	3570.3					

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7.2
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Sample Name: FA33633-2 Acquired: 5/6/2016 12:21:15 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	2543	-0.004	0.863	-0.001	27.08	-0.001	0.011	0.033
Stddev	.0002	.0053	.0004	.0004	.0000	.09	.0000	.0001	.0001
%RSD	62.92	2.069	127.2	.5065	6.581	.3433	56.86	10.60	2.232
#1	-0.003	2572	-0.000	0.859	-0.001	26.97	-0.000	.0012	.0032
#2	-0.002	2575	-0.002	0.864	-0.001	27.13	-0.001	.0011	.0033
#3	-0.006	2482	-0.009	0.867	-0.001	27.14	-0.001	.0010	.0034
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.008	9344	3.226	5.869	0.551	-0.002	23.89	0.032	0.000
Stddev	.0001	.0102	.063	.038	.0002	.0002	.11	.0000	.0006
%RSD	15.22	1.092	1.953	.6514	.3921	67.87	4.447	1.428	346.7
#1	.0008	9228	3.207	5.913	.0552	-0.001	23.77	.0032	-0.004
#2	.0010	9420	3.296	5.846	.0552	-0.004	23.92	.0033	-0.002
#3	.0008	9384	3.175	5.847	.0548	-0.002	23.97	.0032	.0007
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.011	0.016	2.703	0.002	0.1635	0.048	-0.013	0.022	0.322
Stddev	.0004	.0019	.003	.0002	.0011	.0001	.0006	.0001	.0001
%RSD	31.89	117.7	.0999	93.66	.6587	2.974	49.93	6.599	.1865
#1	.0016	.0033	2.703	.0000	.1624	.0049	-0.0005	.0022	.0321
#2	.0009	.0019	2.700	.0002	.1636	.0048	-0.0017	.0023	.0321
#3	.0009	-0.004	2.706	.0003	.1645	.0046	-0.0015	.0020	.0322
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2616.7	5127.1	41100.	3706.5					
Stddev	7.4	10.1	71.	20.6					
%RSD	.28209	.19741	.17224	.55507					
#1	2624.1	5133.0	41159.	3729.2					
#2	2616.7	5132.8	41022.	3689.0					
#3	2609.3	5115.4	41120.	3701.3					

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Sample Name: FA33633-3 Acquired: 5/6/2016 12:25:42 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.001	0.637	0.104	0.725	-0.001	9.897	-0.004	0.025	0.150
Stddev	.0001	.0011	.0004	.0004	.0000	.031	.0000	.0001	.0001
%RSD	251.7	1.775	3.394	5.273	38.55	.3153	12.87	2.444	.5473
#1	.0002	.0648	.0103	.0729	-0.002	9.923	-0.004	.0024	.0151
#2	.0000	.0626	.0102	.0723	-0.001	9.905	-0.003	.0025	.0149
#3	.0000	.0636	.0108	.0722	-0.002	9.862	-0.004	.0025	.0150
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020			

Sample Name: CCV Acquired: 5/6/2016 12:30:10 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2601	41.24	2.014	2.056	2.050	42.18	2.069	2.060	2.074
Stddev	.0004	.23	.001	.014	.012	.18	.001	.000	.006
%RSD	.1637	.5646	.0384	.6584	.5728	.4175	.0491	.0135	.2823
#1	.2605	41.34	2.014	2.059	2.052	42.26	2.069	2.060	2.078
#2	.2602	41.41	2.015	2.067	2.060	42.30	2.069	2.060	2.077
#3	.2597	40.98	2.013	2.041	2.037	41.98	2.067	2.059	2.067

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.074	40.30	41.52	42.08	2.097	2.042	40.84	2.052	2.042
Stddev	.005	.22	.26	.08	.005	.002	.27	.003	.004
%RSD	.2455	.5541	.6214	.1993	.2295	.0945	.6665	.1334	.2141
#1	2.069	40.36	41.59	42.18	2.097	2.043	40.91	2.052	2.042
#2	2.075	40.48	41.74	42.01	2.101	2.040	41.07	2.050	2.047
#3	2.079	40.05	41.24	42.06	2.092	2.043	40.54	2.055	2.038

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.022	2.033	1.584	2.085	2.038	2.062	2.059	2.046	2.070
Stddev	.003	.003	.004	.001	.013	.001	.004	.005	.003
%RSD	.1335	.1644	.2865	.0316	.6246	.0342	.2177	.2343	.1346
#1	2.019	2.037	1.587	2.085	2.041	2.062	2.055	2.051	2.067
#2	2.021	2.031	1.579	2.085	2.049	2.063	2.063	2.045	2.073
#3	2.025	2.032	1.587	2.084	2.024	2.063	2.058	2.041	2.070

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 5/6/2016 12:30:10 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2416.8	5044.5	39910.	3577.5
Stddev	4.4	5.5	48.	9.1
%RSD	.18091	.10898	.11958	.25566
#1	2421.1	5041.9	39855.	3573.0
#2	2412.4	5050.8	39930.	3571.5
#3	2417.0	5040.8	39944.	3588.0

Sample Name: CCB Acquired: 5/6/2016 12:34:21 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0124	-0.0003	.0001	.0001	.0082	.0001	.0001	.0001
Stddev	.0002	.0032	.0008	.0002	.0001	.0047	.0000	.0001	.0002
%RSD	68.41	25.93	259.0	208.1	59.67	56.71	18.11	142.0	114.9
#1	.0001	.0088	.0002	.0001	.0002	.0128	.0001	.0001	.0002
#2	.0004	.0133	-.0013	.0003	.0001	.0035	.0001	.0000	.0000
#3	.0003	.0150	.0001	-.0001	.0001	.0083	.0001	.0001	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0106	.0045	-.0011	.0001	.0006	.0244	.0000	.0001
Stddev	.000	.0004	.0334	.0127	.0000	.0002	.0075	.0001	.0001
%RSD	401.8	3.573	736.4	1183.	32.59	35.12	30.65	927.4	122.1
#1	.0000	.0105	-.0327	.0059	.0001	.0008	.0226	.0001	.0000
#2	.0001	.0111	.0146	.0066	.0001	.0006	.0179	.0001	.0002
#3	-.0003	.0104	.0317	-.0158	.0001	.0004	.0325	-.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	-.0014	.0016	.0001	.0002	.0006	-.0005	.0001	.0004
Stddev	.0001	.0003	.0001	.0001	.0000	.0000	.0008	.0001	.0000
%RSD	13.85	24.54	7.731	105.6	20.29	8.194	184.7	205.7	13.00
#1	.0011	-.0011	.0017	.0000	.0002	.0006	-.0009	-.0001	.0004
#2	.0009	-.0017	.0016	.0001	.0001	.0006	.0005	.0000	.0003
#3	.0011	-.0014	.0015	.0000	.0002	.0005	-.0010	.0002	.0004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 5/6/2016 12:34:21 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2845.6	5386.4	42780.	3725.0
Stddev	1.1	10.3	218.	40.1
%RSD	.04032	.19153	.51072	1.0756
#1	2844.5	5378.6	42664.	3679.2
#2	2846.8	5398.1	42644.	3742.7
#3	2845.6	5382.6	43032.	3753.2

Sample Name: FA33633-4 Acquired: 5/6/2016 12:38:53 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0003	.1138	.0015	.5753	-.0001	111.0	-.0003	.0009	.0014
Stddev	.0003	.0076	.0005	.0012	.0000	.3	.0000	.0000	.0003
%RSD	87.62	6.685	32.06	.2155	11.94	.2789	6.412	3.057	22.32
#1	.0006	.1224	.0020	.5767	-.0001	111.3	-.0003	.0009	.0013
#2	.0001	.1112	.0012	.5743	-.0001	110.7	-.0003	.0009	.0012
#3	.0002	.1079	.0013	.5748	-.0002	111.1	-.0003	.0009	.0018
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0003	21.71	10.86	9.486	.5511	.0002	16.70	.0027	-.0003
Stddev	.0001	.03	.01	.021	.0024	.0001	.02	.0001	.0008
%RSD	38.15	.1504	.0776	.2247	.4428	44.52	.1023	5.173	248.7
#1	.0004	21.67	10.87	9.491	.5489	.0003	16.70	.0025	-.0012
#2	.0002	21.71	10.85	9.463	.5506	.0003	16.72	.0028	-.0004
#3	.0003	21.74	10.87	9.505	.5537	.0001	16.69	.0027	-.0002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0005	.0014	4.992	.0002	.6528	.0055	-.0010	.0038	.0432
Stddev	.0009	.0007	.003	.0004	.0006	.0004	.0006	.0000	.0002
%RSD	161.6	49.47	.0552	.206.8	.0949	7.219	52.73	.2335	.5344
#1	-.0005	.0007	4.990	.0000	.6534	.0059	-.0014	.0038	.0430
#2	.0010	.0021	4.991	.0007	.6528	.0051	-.0004	.0038	.0434
#3	.0011	.0013	4.995	-.0001	.6522	.0055	-.0013	.0038	.0431
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2511.0	4997.9	40428.	3653.1					
Stddev	1.7	.7	42.	15.2					
%RSD	.06628	.01401	.10409	.41639					
#1	2512.6	4997.2	40465.	3658.6					
#2	2509.3	4998.0	40436.	3664.7					
#3	2511.0	4998.6	40382.	3635.9					

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Sample Name: FA33633-5 Acquired: 5/6/2016 12:43:18 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	1.088	-.0013	.0560	-.0001	48.43	-.0001	.0000	.0023
Stddev	.0004	.013	.0001	.0003	.0001	.14	.0001	.000	.0001
%RSD	216.9	1.177	5.742	.5283	44.73	.2846	61.60	133.7	3.012
#1	-.0002	1.073	-.0012	.0563	-.0001	48.54	-.0001	-.0001	.0023
#2	.0004	1.096	-.0014	.0559	-.0002	48.28	-.0002	.0000	.0024
#3	.0003	1.094	-.0012	.0557	-.0001	48.49	-.0001	.0000	.0023
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0046	4.562	5.524	5.873	.0016	.0000	13.48	.0008	.0004
Stddev	.0002	.0031	.038	.026	.0001	.000	.01	.0003	.0003
%RSD	4.813	.6709	.6906	.4418	4.223	2300.	.0672	30.73	59.09
#1	.0047	4.566	5.552	5.843	.0016	.0001	13.48	.0008	.0007
#2	.0047	4.590	5.539	5.882	.0016	-.0001	13.49	.0011	.0003
#3	.0043	4.529	5.481	5.892	.0017	.0000	13.49	.0006	.0003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0016	.0011	1.410	.0003	.2134	.0462	-.0019	.0035	.0202
Stddev	.0012	.0011	.006	.0002	.0006	.0002	.0015	.0003	.0001
%RSD	72.67	101.7	.4564	62.51	.2945	.4378	75.99	9.439	.5486
#1	.0003	.0022	1.417	.0001	.2139	.0464	-.0020	.0033	.0202
#2	.0023	.0011	1.409	.0004	.2135	.0461	-.0004	.0035	.0202
#3	.0023	.0000	1.404	.0005	.2127	.0460	-.0033	.0039	.0204
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2612.7	5111.0	41024.	3702.3					
Stddev	2.3	8.8	172.	13.7					
%RSD	.08926	.17132	.42031	.36875					
#1	2615.4	5106.8	41015.	3712.9					
#2	2611.0	5105.1	41201.	3707.1					
#3	2611.9	5121.0	40856.	3686.9					

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7.2
7

Sample Name: FA33633-6 Acquired: 5/6/2016 12:47:45 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.2532	-.0005	.0887	-.0001	5.181	-.0001	.0008	.0002
Stddev	.0002	.0163	.0011	.0005	.0000	.061	.0000	.0001	.0002
%RSD	125.1	6.451	215.3	.5282	70.91	1.181	33.84	11.23	125.5
#1	.0003	.2566	-.0008	.0882	.0000	5.129	-.0002	.0009	.0000
#2	.0000	.2675	-.0014	.0890	-.0001	5.248	-.0001	.0008	.0001
#3	.0001	.2354	-.0010	.0890	-.0001	5.166	-.0001	.0008	.0005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0004	1.706	12.87	4.419	.0225	-.0007	10.43	.0005	.0006
Stddev	.0001	.008	.02	.011	.0001	.0001	.06	.0001	.0008
%RSD	20.41	.4946	.1893	.2422	.2577	13.58	.5723	24.89	129.4
#1	.0004	1.704	12.86	4.426	.0225	-.0007	10.37	.0006	.0002
#2	.0003	1.715	12.90	4.406	.0224	-.0006	10.49	.0003	.0016
#3	.0005	1.698	12.86	4.423	.0224	-.0008	10.43	.0005	.0001
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0004	.0001	1.061	.0001	.0293	.0066	-.0020	.0004	.0133
Stddev	.0005	.0007	.001	.0001	.0002	.0002	.0007	.0000	.0001
%RSD	128.6	1305.	.0926	122.5	.5616	2.876	34.47	6.872	.9111
#1	.0010	-.0005	1.062	.0000	.0292	.0068	-.0012	.0004	.0133
#2	.0000	-.0001	1.062	.0002	.0294	.0065	-.0022	.0004	.0133
#3	.0003	.0008	1.060	.0001	.0295	.0064	-.0025	.0005	.0131
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2671.8	5193.7	41490.	3613.9					
Stddev	.8	5.3	81.	30.0					
%RSD	.02948	.10143	.19590	.82876					
#1	2672.5	5193.0	41531.	3631.2					
#2	2670.9	5199.2	41396.	3579.3					
#3	2671.8	5188.8	41543.	3631.2					

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Sample Name: FA33633-7 Acquired: 5/6/2016 12:52:11 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0003	.0468	-.0010	.0327	-.0001	15.99	-.0001	-.0001	.0000
Stddev	.0004	.0042	.0007	.0005	.0001	.13	.0001	.0001	.0002
%RSD	106.0	9.080	66.70	1.432	52.91	.8078	53.73	150.1	503.9
#1	-.0002	.0504	-.0013	.0323	-.0001	15.90	-.0001	-.0002	.0002
#2	-.0008	.0478	-.0003	.0327	-.0001	15.93	-.0001	-.0002	.0001
#3	.0000	.0421	-.0016	.0332	-.0002	16.13	-.0002	.0001	-.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0003	.0423	2.032	3.169	.0069	-.0008	5.448	-.0001	.0001
Stddev	.0001	.0055	.025	.024	.0000	.0001	.017	.0001	.0002
%RSD	24.32	12.95	1.254	.7639	.3				

Sample Name: FA33633-8 Acquired: 5/6/2016 12:56:41 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.633	0.016	0.871	-0.001	68.67	-0.004	0.000	0.004
Stddev	0.001	0.127	0.005	0.004	0.001	0.44	0.001	0.001	0.002
%RSD	218.1	20.08	33.42	5.076	73.62	6.437	13.22	641.1	44.61
#1	0.000	0.505	0.012	0.867	0.000	69.12	-0.004	0.000	0.005
#2	-0.002	0.636	0.014	0.876	-0.001	68.24	-0.004	0.000	0.006
#3	0.000	0.759	0.022	0.870	-0.001	68.65	-0.005	0.001	0.002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.002	26.64	27.43	19.72	1.491	-0.002	14.02	-0.001	-0.009
Stddev	0.002	1.12	1.11	2.22	0.002	0.03	0.001	0.001	0.005
%RSD	93.96	4.363	4.108	1.091	1.138	65.76	2.460	63.50	54.49
#1	0.003	26.74	27.52	19.93	1.489	-0.002	14.06	-0.001	-0.004
#2	0.000	26.51	27.30	19.50	1.493	-0.001	13.99	-0.002	-0.014
#3	0.002	26.66	27.46	19.72	1.492	-0.004	14.03	0.000	-0.009
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.000	-0.006	8578	0.004	2.151	0.019	-0.007	0.008	0.103
Stddev	0.001	0.017	0.007	0.002	0.007	0.002	0.005	0.002	0.001
%RSD	57.34	267.8	0.770	42.33	3.427	9.175	63.93	24.36	5.026
#1	-0.009	-0.005	8580	0.004	2.158	0.018	-0.012	0.009	0.102
#2	-0.009	0.010	8571	0.006	2.143	0.018	-0.003	0.006	0.103
#3	-0.001	-0.024	8584	0.003	2.151	0.021	-0.007	0.010	0.102
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2535.2	5046.1	40382	3639.6					
Stddev	2.2	6.1	70.	42.8					
%RSD	0.8751	1.2109	1.7397	1.1753					
#1	2535.1	5043.8	40408.	3593.1					
#2	2537.4	5053.0	40302.	3677.2					
#3	2533.0	5041.4	40436.	3648.7					

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Sample Name: FA33633-1F Acquired: 5/6/2016 13:01:08 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	1.447	-0.016	0.269	-0.002	15.29	-0.001	0.003	0.023
Stddev	0.004	0.04	0.002	0.000	0.001	0.05	0.001	0.001	0.002
%RSD	158.2	2.914	12.96	0.747	52.47	3.202	70.28	31.18	8.521
#1	-0.007	1.444	-0.018	0.269	-0.002	15.30	-0.001	0.002	0.025
#2	-0.001	1.452	-0.014	0.268	-0.001	15.34	0.000	0.003	0.022
#3	0.000	1.444	-0.016	0.269	-0.003	15.24	-0.002	0.004	0.022
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.037	1.126	12.22	3.408	0.047	-0.002	7.420	0.008	0.003
Stddev	0.000	0.04	0.03	0.017	0.000	0.001	0.035	0.001	0.001
%RSD	7.410	3.888	2.405	4.884	7.617	42.15	4.657	16.31	29.85
#1	0.037	1.128	12.19	3.401	0.047	-0.003	7.409	0.009	0.002
#2	0.038	1.129	12.24	3.426	0.047	-0.002	7.459	0.008	0.004
#3	0.037	1.121	12.24	3.395	0.047	-0.001	7.392	0.007	0.003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.007	0.014	2.343	-0.002	0.333	0.533	-0.011	0.049	0.130
Stddev	0.006	0.008	0.013	0.001	0.002	0.008	0.009	0.001	0.000
%RSD	87.29	62.18	5.639	48.92	6.613	1.465	85.03	2.648	1.687
#1	0.000	0.005	2.358	-0.002	0.332	0.530	-0.016	0.050	0.130
#2	0.012	0.014	2.337	-0.003	0.336	0.527	-0.016	0.048	0.130
#3	0.008	0.022	2.334	-0.001	0.332	0.542	0.000	0.048	0.130
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2670.6	5197.4	41484.	3683.3					
Stddev	8.8	9.2	82.	8.4					
%RSD	3.2997	1.7788	1.9826	2.2884					
#1	2663.9	5196.4	41578.	3688.8					
#2	2667.3	5188.7	41449.	3673.6					
#3	2680.6	5207.1	41425.	3687.5					

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7.2
7

Sample Name: FA33633-2F Acquired: 5/6/2016 13:05:36 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.001	1.808	-0.005	0.904	-0.001	28.09	-0.001	0.014	0.033
Stddev	0.001	0.144	0.006	0.004	0.000	0.13	0.000	0.001	0.001
%RSD	119.8	7.987	109.9	4.554	56.58	4.450	9.904	6.107	4.506
#1	0.000	1.970	0.000	0.901	-0.001	28.20	-0.001	0.015	0.032
#2	0.001	1.757	-0.004	0.908	0.000	27.96	-0.001	0.013	0.035
#3	0.001	1.695	-0.012	0.902	-0.001	28.10	-0.001	0.014	0.033
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.004	1.324	2.289	5.997	0.574	-0.007	25.16	0.037	-0.002
Stddev	0.001	0.04	0.012	0.014	0.002	0.000	0.05	0.002	0.003
%RSD	33.44	2.925	5.384	2.356	4.226	3.028	1.931	6.205	177.7
#1	0.005	1.324	2.283	6.010	0.576	-0.007	25.17	0.039	-0.006
#2	0.003	1.321	2.303	5.999	0.572	-0.007	25.11	0.034	-0.002
#3	0.003	1.328	2.280	5.982	0.573	-0.007	25.20	0.038	0.001
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.005	-0.001	2.808	-0.001	1.714	0.006	-0.020	0.028	0.123
Stddev	0.002	0.020	0.003	0.001	0.008	0.000	0.006	0.002	0.001
%RSD	224.5	325.3	1.221	120.4	4.796	6.616	29.14	5.459	6.168
#1	0.015	-0.023	2.806	-0.001	1.720	0.006	-0.021	0.030	0.122
#2	0.010	0.015	2.805	-0.002	1.705	0.006	-0.026	0.028	0.124
#3	-0.008	0.007	2.811	0.000	1.719	0.006	-0.014	0.028	0.124
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2637.4	5173.7	41471.	3654.7					
Stddev	6.0	8.6	137.	21.3					
%RSD	2.2928	1.6618	3.2985	5.8342					
#1	2640.0	5177.1	41313.	3654.9					
#2	2641.7	5180.1	41549.	3676.0					
#3	2630.5	5163.9	41550.	3633.4					

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Sample Name: FA33633-3F Acquired: 5/6/2016 13:10:03 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.000	0.405	0.108	0.730	-0.001	10.21	-0.004	0.025	0.151
Stddev	0.003	0.062	0.013	0.004	0.001	0.04	0.000	0.001	0.002
%RSD	1302.	15.30	12.03	5.733	93.89	3.633	6.440	2.033	1.045
#1	0.001	0.452	0.109	0.725	-0.001	10.16	-0.004	0.025	0.152
#2	0.002	0.335	0.095	0.733	-0.002	10.22	-0.004	0.026	0.152
#3	-0.003	0.429	0.121	0.730	0.000	10.23	-0.005	0.025	0.149
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.001	23.4							

Sample Name: FA33633-4F Acquired: 5/6/2016 13:14:28 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Aq3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	.0270	.0005	.5730	-0.0011	111.7	-0.0004	.0009	.0015
Stddev	.0003	.0065	.0006	.0036	.0000	.5	.0001	.0001	.0002
%RSD	166.1	24.18	130.7	.6332	31.08	4.364	14.74	11.35	12.91
#1	.0000	.0229	.0007	.5771	-0.0011	112.2	-0.0004	.0010	.0016
#2	.0000	.0346	-0.0002	.5719	-0.0011	111.2	-0.0003	.0008	.0013
#3	.0005	.0236	.0009	.5701	-0.0011	111.6	-0.0004	.0009	.0016
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0003	22.45	10.93	9.571	.5564	-0.0006	17.28	.0031	-0.0007
Stddev	.0001	.10	.07	.074	.0013	.0001	.10	.0001	.0002
%RSD	23.49	.4339	.6382	.7718	.2300	16.00	.5843	2.816	33.49
#1	.0004	22.56	11.01	9.564	.5563	-0.0005	17.38	.0030	-0.0009
#2	.0003	22.38	10.87	9.501	.5577	-0.0005	17.27	.0032	-0.0004
#3	.0002	22.40	10.91	9.648	.5552	-0.0007	17.18	.0032	-0.0008
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.0003	.0016	4.904	.0003	.6591	.0006	-0.0024	.0035	.0099
Stddev	.0009	.0013	.007	.0001	.0038	.0002	.0012	.0001	.0000
%RSD	326.6	80.25	.1462	49.11	.5778	24.45	50.33	4.310	4.310
#1	.0004	.0005	4.903	.0003	.6634	.0007	-0.0038	.0036	.0100
#2	-0.0014	.0029	4.897	.0004	.6571	.0005	-0.0020	.0034	.0100
#3	.0002	.0013	4.912	.0001	.6566	.0007	-0.0015	.0034	.0099
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2509.0	4983.1	40293.	3608.8					
Stddev	9.3	14.3	76.	21.6					
%RSD	.37206	.28655	.18984	.59735					
#1	2499.2	4975.9	40206.	3589.9					
#2	2517.8	4999.5	40323.	3632.3					
#3	2510.0	4973.8	40351.	3604.2					

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Sample Name: FA33633-5F Acquired: 5/6/2016 13:18:55 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Aq3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.1353	-0.0014	.0607	-0.0001	45.23	-0.0001	-0.0001	.0015
Stddev	.0002	.0033	.0005	.0005	.0000	.28	.0000	.0001	.0001
%RSD	429.1	2.443	33.48	.7735	33.43	.6180	19.61	67.09	10.00
#1	.0002	.1334	-0.0017	.0608	-0.0001	45.47	-0.0001	.0000	.0013
#2	-0.0002	.1335	-0.0009	.0602	-0.0001	44.92	-0.0001	-0.0001	.0016
#3	.0001	.1391	-0.0017	.0611	-0.0001	45.29	-0.0001	-0.0001	.0015
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0044	.0451	5.122	5.572	.0016	-0.0002	14.67	.0006	-0.0002
Stddev	.0003	.0037	.010	.063	.0000	.0001	.07	.0002	.0006
%RSD	6.938	8.181	.2001	1.122	1.891	45.93	.4630	29.31	312.4
#1	.0047	.0458	5.130	5.618	.0016	-0.0002	14.68	.0004	-0.0007
#2	.0041	.0484	5.125	5.501	.0016	-0.0001	14.60	.0007	-0.0004
#3	.0043	.0411	5.110	5.597	.0016	-0.0003	14.73	.0007	-0.0003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0002	.0017	.8711	.0000	.2082	.0017	-0.0008	.0017	.0212
Stddev	.0005	.0003	.0018	.000	.0012	.0000	.0003	.0002	.0001
%RSD	238.2	17.36	.2025	935.5	.5618	2.706	43.30	9.179	2940
#1	-0.0003	.0015	.8731	.0001	.2085	.0016	-0.0012	.0016	.0213
#2	.0003	.0021	.8697	-0.0001	.2069	.0017	-0.0007	.0018	.0212
#3	.0006	.0016	.8706	-0.0001	.2091	.0016	-0.0005	.0016	.0212
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2627.6	5144.5	41097.	3678.0					
Stddev	.6	7.0	289.	19.1					
%RSD	.02378	.13512	.70362	.51924					
#1	2628.3	5138.5	40882.	3657.5					
#2	2627.3	5152.1	40983.	3695.3					
#3	2627.2	5142.8	41426.	3681.1					

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7.2
7

Sample Name: CCV Acquired: 5/6/2016 13:23:23 Type: QC
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Aq3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.569	40.84	1.985	2.032	2.023	41.80	2.034	2.030	2.050
Stddev	.0010	.22	.005	.012	.008	.35	.005	.004	.003
%RSD	.3829	.5455	.2596	.5850	.3811	.8311	.2606	.2240	.1537
#1	.2580	40.87	1.980	2.030	2.022	41.97	2.033	2.028	2.051
#2	.2565	41.04	1.990	2.045	2.031	42.02	2.040	2.035	2.053
#3	.2562	40.60	1.985	2.021	2.016	41.40	2.030	2.026	2.047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.053	39.86	41.23	41.76	2.069	2.014	40.15	2.016	2.013
Stddev	.011	.22	.21	.37	.006	.004	.22	.005	.011
%RSD	.5098	.5533	.5078	.8822	.2893	.2101	.5440	.2497	.5337
#1	2.062	39.93	41.26	42.01	2.074	2.011	40.08	2.014	2.018
#2	2.054	40.04	41.42	41.94	2.071	2.019	40.39	2.021	2.021
#3	2.041	39.61	41.01	41.34	2.062	2.012	39.97	2.012	2.001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.991	2.004	1.561	2.058	2.007	2.035	2.027	2.013	2.033
Stddev	.001	.005	.004	.007	.009	.006	.006	.003	.006
%RSD	.0697	.2762	.2320	.3185	.4491	.3168	.3012	.1536	.2777
#1	1.991	2.001	1.558	2.054	2.006	2.040	2.029	2.010	2.033
#2	1.990	2.010	1.565	2.065	2.017	2.037	2.032	2.016	2.039
#3	1.992	2.000	1.562	2.054	1.999	2.027	2.020	2.012	2.028
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 5/6/2016 13:23:23 Type: QC
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2447.7	5114.2	40373.	3608.3
Stddev	8.3	4.8	165.	40.3
%RSD	.33734	.09461	.40852	1.1182
#1	2439.7	5116.0	40182.	3585.9
#2	2447.3	5108.7	40473.	3584.1
#3	2456.2	5117.8	40462.	3654.9

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Sample Name: CCB Acquired: 5/6/2016 13:27:34 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0148	-.0001	.0002	.0002	.0103	.0001	.0001	.0003
Stddev	.0004	.0033	.0002	.0002	.0000	.0037	.0000	.0000	.0002
%RSD	194.4	22.60	245.5	94.97	23.82	35.31	23.77	42.98	58.73

#1 -.0002 .0126 .0002 .0000 .0001 .0084 .0001 .0001 .0004
 #2 .0002 .0131 -.0003 .0003 .0002 .0081 .0001 .0001 .0001
 #3 .0006 .0186 -.0002 .0002 .0001 .0146 .0001 .0001 .0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0096	-.0088	-.0063	.0002	.0006	.0380	.0002	.0004
Stddev	.0001	.0021	.0497	.0259	.0001	.0002	.0069	.0001	.0004
%RSD	33.62	21.51	562.7	407.5	32.44	38.52	18.27	67.65	99.19

#1 -.0002 .0073 -.0312 .0196 .0002 .0008 .0458 .0003 .0007
 #2 -.0001 .0110 -.0434 -.0321 .0001 .0006 .0328 .0003 .0005
 #3 -.0002 .0107 .0481 -.0066 .0001 .0004 .0353 .0000 .0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	-.0011	.0019	.0002	.0002	.0007	-.0004	.0000	.0003
Stddev	.0002	.0008	.0001	.0002	.0001	.0001	.0004	.0001	.0000
%RSD	18.90	73.74	6.966	120.7	72.08	15.00	85.73	176.8	10.73

#1 .0014 -.0003 .0021 .0005 .0002 .0008 -.0009 .0000 .0003
 #2 .0009 -.0018 .0019 .0000 .0003 .0007 -.0002 .0001 .0003
 #3 .0011 -.0010 .0018 .0001 .0000 .0006 -.0003 .0000 .0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/6/2016 13:27:34 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2835.6	5361.6	42374.	3680.3
Stddev	4.3	3.8	76.	10.8
%RSD	.15218	.06998	.17911	.29409

#1 2836.9 5359.9 42323. 3692.1
 #2 2839.0 5365.9 42338. 3678.1
 #3 2830.7 5359.0 42462. 3670.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: FA33633-6F Acquired: 5/6/2016 13:32:07 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0003	.0859	-.0008	.0860	-.0001	7.291	-.0001	.0008	.0002
Stddev	.0003	.0076	.0002	.0001	.0001	.039	.0000	.0001	.0001
%RSD	86.36	8.825	27.55	.0982	62.44	.5305	16.06	9.098	27.68

#1 .0006 .0924 -.0007 .0859 -.0001 7.330 -.0001 .0007 .0002
 #2 .0003 .0879 -.0006 .0861 .0000 7.253 -.0001 .0008 .0002
 #3 .0001 .0776 -.0011 .0859 -.0001 7.289 -.0001 .0008 .0003

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0055	1.022	13.75	4.579	.0218	-.0001	10.37	.0006	-.0005
Stddev	.0000	.008	.07	.065	.0001	.0001	.04	.0001	.0006
%RSD	.1364	.7747	4868	1.416	.3789	115.7	4.194	16.85	122.5

#1 .0055 1.025 13.80 4.641 .0219 .0000 10.40 .0007 -.0003
 #2 .0055 1.013 13.68 4.512 .0218 -.0001 10.32 .0007 -.0012
 #3 .0055 1.028 13.79 4.584 .0217 -.0003 10.39 .0005 .0000

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0011	.0014	1.022	-.0001	.0389	.0003	-.0021	.0001	.0136
Stddev	.0009	.0022	.003	.0001	.0001	.0001	.0010	.0001	.0000
%RSD	88.17	155.4	.2927	120.7	.1692	37.82	49.56	133.8	.2207

#1 .0021 .0007 1.021 .0000 .0388 .0003 -.0009 .0000 .0137
 #2 .0009 -.0004 1.020 -.0002 .0389 .0003 -.0029 .0000 .0136
 #3 .0002 .0038 1.026 -.0001 .0389 .0001 -.0024 .0002 .0137

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2689.8	5255.7	41948.	3668.3
Stddev	3.3	9.8	105.	34.1
%RSD	.12105	.18605	.25061	.93020

#1 2686.6 5261.7 41854. 3632.4
 #2 2693.1 5261.1 41929. 3700.3
 #3 2689.8 5244.5 42062. 3672.1

Sample Name: FA33633-7F Acquired: 5/6/2016 13:36:36 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0001	.0522	-.0015	.0321	-.0002	15.71	-.0001	.0000	.0000
Stddev	.0001	.0038	.0007	.0001	.0000	.01	.0001	.0001	.0002
%RSD	152.8	7.357	44.70	.3047	23.81	.0930	50.32	226.5	494.2

#1 -.0001 .0548 -.0016 .0320 -.0002 15.72 -.0001 .0001 -.0001
 #2 .0001 .0539 -.0008 .0321 -.0002 15.72 -.0002 .0000 -.0001
 #3 -.0002 .0478 -.0022 .0322 -.0002 15.70 -.0001 .0001 -.0002

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0037	.0685	2.124	3.076	.0070	-.0003	5.491	.0007	-.0005
Stddev	.0002	.0025	.017	.025	.0001	.0001	.012	.0003	.0001
%RSD	5.659	3.723	.7824	.8078	.8827	23.51	2.230	42.30	14.51

#1 .0038 .0713 2.134 3.052 .0071 -.0002 5.496 .0009 -.0004
 #2 .0039 .0678 2.105 3.102 .0069 -.0004 5.501 .0006 -.0005
 #3 .0035 .0663 2.134 3.073 .0070 -.0003 5.478 .0004 -.0005

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0006	.0005	1.087	-.0001	.0500	.0015	-.0021	.0001	.0161
Stddev	.0008	.0005	.002	.0002	.0001	.0001	.0005	.0001	.0001
%RSD	139.0	106.1	.1540	343.0	.2493	8.851	26.19	58.03	.5694

#1 .0010 -.0001 1.088 .0001 .0498 .0016 -.0018 .0002 .0161
 #2 .0012 .0007 1.086 -.0003 .0501 .0015 -.0018 .0000 .0160
 #3 -.0004 .0009 1.085 .0000 .0500 .0014 -.0027 .0001 .0161

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2710.6	5238.9	41911.	3696.4
Stddev	7.6	12.4	119.	2.4
%RSD	.27936	.23665	.28390	.06490

#1 2702.2 5226.7 41806. 3697.5
 #2 2716.9 5251.5 42040. 3693.6
 #3 2712.6 5238.6 41887. 3698.0

Sample Name: FA33633-8F Acquired: 5/6/2016 13:41:06 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.296	0.009	0.867	-0.002	68.97	-0.005	0.000	0.004
Stddev	0.003	0.040	0.005	0.004	0.000	58	0.001	0.001	0.002
%RSD	361.2	13.65	56.59	4.646	20.02	8.406	11.76	141.2	46.59
#1	-0.003	0.340	0.013	0.872	-0.002	69.24	-0.006	0.000	0.002
#2	-0.003	0.286	0.003	0.866	-0.003	69.36	-0.005	-0.001	0.006
#3	-0.002	0.261	0.011	0.864	-0.002	68.30	-0.005	0.001	0.004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.003	26.91	27.45	19.88	15.10	0.001	14.75	0.013	-0.007
Stddev	0.003	21	18	15	0.004	0.001	05	0.003	0.007
%RSD	78.13	7.967	6.614	7.618	2.806	42.41	3.588	26.63	96.85
#1	0.002	27.09	27.52	19.84	15.08	0.001	14.80	0.009	-0.001
#2	0.006	26.97	27.58	20.04	15.07	0.002	14.77	0.014	-0.014
#3	0.002	26.67	27.24	19.75	15.15	0.002	14.70	0.016	-0.006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.006	0.009	8.337	0.003	2.157	0.006	-0.012	0.007	0.100
Stddev	0.003	0.008	0.016	0.005	0.008	0.001	0.006	0.002	0.001
%RSD	57.05	88.61	1.944	141.0	3.755	17.55	52.88	33.12	8.305
#1	0.009	0.016	8.319	0.000	2.166	0.005	-0.015	0.009	0.100
#2	0.006	0.000	8.342	0.001	2.155	0.005	-0.005	0.007	0.099
#3	0.003	0.012	8.351	0.008	2.150	0.007	-0.017	0.004	0.101
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2554.4	5076.0	4025.0	3596.4					
Stddev	5.5	3.5	143.3	35.2					
%RSD	2.1675	0.6925	3.5473	0.9739					
#1	2548.1	5079.9	4018.9	3576.0					
#2	2556.9	5073.2	4041.3	3576.1					
#3	2558.2	5074.7	4014.7	3637.1					

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Sample Name: FA33616-1 Acquired: 5/6/2016 13:45:33 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	7.216	0.003	0.396	-0.001	38.89	-0.001	0.002	0.084
Stddev	0.001	0.31	0.002	0.004	0.001	10	0.000	0.001	0.002
%RSD	69.75	4.322	70.55	1.076	146.7	2.493	16.65	43.54	2.072
#1	0.000	7.238	0.001	0.392	0.000	38.99	-0.001	0.001	0.085
#2	-0.003	7.180	0.002	0.395	-0.001	38.80	-0.001	0.002	0.082
#3	-0.003	7.228	0.005	0.400	0.000	38.86	-0.001	0.002	0.084
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.002	1.851	3.635	2.260	1.246	0.063	4.353	0.024	0.063
Stddev	0.003	0.05	0.26	0.13	0.006	0.001	0.04	0.000	0.004
%RSD	14.38	2.566	7.084	5.876	5.012	1.224	1.018	1.914	7.173
#1	0.019	1.846	3.608	2.273	1.241	0.064	4.350	0.024	0.059
#2	0.019	1.853	3.638	2.246	1.245	0.063	4.351	0.024	0.062
#3	0.024	1.854	3.659	2.260	1.253	0.062	4.358	0.025	0.067
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.004	0.011	6.274	0.001	1.685	0.312	-0.026	0.105	0.119
Stddev	0.006	0.009	0.007	0.004	0.001	0.001	0.004	0.001	0.001
%RSD	146.2	81.24	1.068	459.2	0.0365	2.982	16.33	7.507	6.434
#1	0.007	0.014	6.279	-0.003	1.684	0.311	-0.022	0.106	0.119
#2	-0.003	0.018	6.275	0.006	1.685	0.313	-0.030	0.105	0.118
#3	0.008	0.001	6.266	0.000	1.685	0.312	-0.026	0.104	0.120
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2685.6	5314.6	4178.2	3624.5					
Stddev	2.8	4.0	160.3	19.5					
%RSD	0.10277	0.07497	3.8383	0.53896					
#1	2688.6	5312.0	4192.6	3602.2					
#2	2684.8	5312.6	4181.1	3632.4					
#3	2683.3	5319.2	4160.9	3638.8					

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7.2
7

Sample Name: FA33616-2 Acquired: 5/6/2016 13:50:00 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	1.905	0.030	0.108	-0.002	58.77	-0.001	-0.001	0.026
Stddev	0.002	0.09	0.004	0.004	0.000	34	0.001	0.001	0.001
%RSD	67.65	4.975	13.90	3.566	11.83	5.835	6.778	109.7	4.398
#1	-0.001	1.914	0.025	0.103	-0.001	58.47	-0.002	-0.002	0.025
#2	-0.004	1.895	0.032	0.110	-0.002	59.15	-0.000	0.000	0.025
#3	-0.003	1.906	0.033	0.110	-0.002	58.69	-0.001	-0.002	0.027
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.045	1.823	4.410	1.450	0.046	0.008	3.465	0.007	0.010
Stddev	0.004	0.03	0.03	0.028	0.002	0.000	0.15	0.002	0.003
%RSD	9.659	1.708	0.742	1.956	4.411	2.437	4.219	27.78	27.64
#1	0.043	1.826	4.409	1.421	0.045	0.008	3.453	0.006	0.009
#2	0.050	1.820	4.408	1.478	0.045	0.008	3.460	0.009	0.013
#3	0.041	1.822	4.414	1.450	0.048	0.008	3.481	0.006	0.008
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.002	0.008	4.703	0.001	1.691	1.343	-0.020	0.054	0.103
Stddev	0.008	0.010	0.16	0.002	0.012	0.089	0.017	0.001	0.001
%RSD	366.0	123.0	3.311	190.9	7.030	6.605	81.56	1.444	1.134
#1	-0.006	0.004	4.704	0.003	1.678	1.242	-0.030	0.054	0.102
#2	-0.007	0.001	4.687	0.001	1.702	1.382	-0.030	0.053	0.103
#3	0.007	0.020	4.718	-0.001	1.692	1.406	-0.001	0.054	0.104
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2654.6	5188.9	4163.2	3661.1					
Stddev	5.5	10.1	108.2	23.8					
%RSD	2.0771	0.19465	2.5931	0.65053					
#1	2660.9	5191.2	4156.4	3685.8					
#2	2652.1	5197.6	4157.6	3638.3					
#3	2650.7	5177.8	4175.6	3659.2					

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Sample Name: FA33628-3 Acquired: 5/6/2016 13:54:27 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	9.488	0.022	0.073	-0.002	124.3	-0.002	0.005	0.020
Stddev	0.002	0.070	0.005	0.004	0.001	8	0.000	0.001	0.000
%RSD	209.8	7.373	21.22	5.927	44.48	6.624	16.09	15.92	1.241
#1	-0.003	9.534	0.027	0.078	-0.001	125.1	-0.002	0.006	0.020
#2	0.001	9.522	0.022	0.070	-0.003	123.5	-0.001	0.006	0.020
#3	-0.001	9.407	0.017	0.071	-0.002	124.3	-0.002	0.004	0.020
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.048	6.088	8.860	5.126	1.420	0.037			

Sample Name: FA33628-6 Acquired: 5/6/2016 13:58:53 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	8.056	.0007	.0364	.0002	63.17	.0000	.0006	.0115
Stddev	.0003	.033	.0002	.0003	.0001	.40	.0000	.0000	.0001
%RSD	647.8	4.049	24.62	.7213	69.11	.6360	166.7	6.791	.6317
#1	.0004	8.042	.0007	.0361	.0000	62.82	.0000	.0006	.0115
#2	.0000	8.033	.0005	.0363	.0002	63.08	.0000	.0007	.0116
#3	-.0002	8.094	.0008	.0366	.0002	63.60	.0001	.0006	.0115
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0037	1.039	3.451	6.646	.0154	.0212	3.058	.0049	.0101
Stddev	.0001	.003	.034	.039	.0000	.0001	.018	.0001	.0008
%RSD	2.155	.2410	.9754	.5825	.1248	.4486	.5891	1.035	8.015
#1	.0037	1.037	3.420	6.606	.0154	.0212	3.050	.0050	.0098
#2	.0037	1.039	3.486	6.650	.0154	.0212	3.045	.0049	.0110
#3	.0036	1.042	3.445	6.683	.0154	.0213	3.079	.0049	.0095
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0026	.0022	3.944	.0004	.1914	.0151	-.0024	.0253	.0102
Stddev	.0003	.0004	.009	.0002	.0008	.0002	.0011	.0002	.0001
%RSD	13.34	18.54	.2184	43.75	.4233	1.273	47.50	.8729	1.234
#1	.0023	.0026	3.935	.0002	.1920	.0149	-.0018	.0252	.0102
#2	.0024	.0018	3.943	.0003	.1905	.0152	-.0017	.0255	.0102
#3	.0030	.0023	3.953	.0005	.1917	.0153	-.0037	.0251	.0104
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2645.9	5331.1	42224.	3728.6					
Stddev	9.5	1.4	24.	25.4					
%RSD	.35910	.02605	.05757	.68145					
#1	2635.2	5330.0	42217.	3747.3					
#2	2653.2	5332.7	42251.	3738.7					
#3	2649.4	5330.8	42204.	3699.6					

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Sample Name: DI CHECK Acquired: 5/6/2016 14:03:19 Type: QC
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0023	.0006	-.0007	-.0002	-.0018	.0000	-.0001	.0000
Stddev	.0002	.0034	.0008	.0002	.0001	.0020	.000	.0000	.000
%RSD	197.1	147.9	131.3	29.32	60.13	110.3	59.70	40.02	508.2
#1	.0000	.0045	.0016	-.0005	-.0002	-.0008	-.0001	-.0001	.0001
#2	.0003	-.0016	-.0001	-.0009	-.0002	-.0005	.0000	.0000	.0000
#3	.0000	.0040	.0004	-.0007	.0000	-.0041	.0000	-.0001	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	-.0107	-.0368	-.0132	-.0002	-.0009	.0212	-.0001	.0002
Stddev	.0001	.0006	.0261	.0204	.0000	.0000	.0056	.0002	.0011
%RSD	43.06	5.902	70.97	154.1	24.00	1.148	26.14	321.0	665.6
#1	-.0002	-.0103	-.0084	-.0103	-.0001	-.0009	.0213	-.0001	.0012
#2	-.0001	-.0103	-.0598	.0055	-.0002	-.0009	.0268	-.0002	.0002
#3	-.0004	-.0114	-.0421	-.0349	-.0002	-.0009	.0157	.0001	-.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0008	-.0029	.0006	-.0008	-.0003	-.0007	.0006	-.0001	-.0004
Stddev	.0007	.0012	.0002	.0003	.0001	.0001	.0004	.0002	.0001
%RSD	86.21	41.92	37.78	31.76	32.38	11.02	69.84	171.5	21.93
#1	-.0011	-.0017	.0009	-.0005	-.0002	-.0006	.0004	.0000	-.0003
#2	-.0014	-.0041	.0004	-.0009	-.0003	-.0007	.0003	-.0004	-.0003
#3	.0000	-.0029	.0006	-.0010	-.0002	-.0006	.0011	.0000	-.0005
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: DI CHECK Acquired: 5/6/2016 14:03:19 Type: QC
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2901.0	5422.5	42660.	3752.7
Stddev	8.6	8.9	179.	12.0
%RSD	.29576	.16470	.41848	.31912
#1	2909.4	5431.8	42782.	3765.8
#2	2892.2	5414.0	42743.	3750.2
#3	2901.5	5421.6	42455.	3742.2

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Sample Name: MP30325-MB1 Acquired: 5/6/2016 14:07:52 Type: QC
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	F .1015	F -.0053	-.0003	-.0010	.0636	-.0004	-.0004
Stddev	.0007	.0168	.0016	.0034	.0005	.0186	.0002	.0001
%RSD	630.3	16.58	30.11	1013.	48.79	29.31	61.25	39.56
#1	-.0001	.1208	-.0069	.0010	-.0016	.0598	-.0001	-.0003
#2	.0009	.0939	-.0037	.0022	-.0007	.0838	-.0006	-.0002
#3	-.0005	.0898	-.0052	-.0042	-.0007	.0471	-.0005	-.0005
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.1000	.0050					
Low Limit		-.1000	-.0050					
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0005	F 1.496	.1159	-.0856	F .0078	-.0039	.1800
Stddev	.000	.0012	.029	.0090	.0462	.0002	.0003	.0262
%RSD	775.1	242.5	1.943	7.803	53.93	2.962	6.745	14.54
#1	.0001	-.0013	1.470	.1214	-.1297	.0081	-.0036	.1498
#2	-.0004	.0009	1.490	.1055	-.0376	.0077	-.0039	.1954
#3	.0002	-.0011	1.527	.1209	-.0896	.0076	-.0041	.1948
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			.1500			.0075		
Low Limit			-.1500			-.0075		
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	-.0004	F .0039	.0024	.0264	F .0532	-.0006	.0000
Stddev	.0007	.0012	.0045	.0084	.0025	.0006	.0001	.001
%RSD	65.40	273.7	117.1	351.2	9.609	1.144	18.50	4395.
#1	.0019	.0002	.0085	.0075	.0250	.0526	-.0006	-.0007
#2	.0012	.0003	-.0005	-.0073	.0248	.0538	-.0008	-.0007
#3	.0004	-.0018	.0036	.0069	.0293	.0531	-.0006	-.0001
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
High Limit			.0025			.0250		
Low Limit			-.0025			-.0250		

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Sample Name: MP30325-MB1 Acquired: 5/6/2016 14:07:52 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	F -.0056	-0.0007	F .0332
Stddev	.0024	.0002	.0003
%RSD	42.88	31.57	.8712

#1	-0.043	-0.007	.0330
#2	-0.083	-0.009	.0335
#3	-0.041	-0.004	.0331

Check ?	Chk Fail	Chk Pass	Chk Fail
High Limit	.0050		.0100
Low Limit	-0.0050		-0.0100

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2812.9	5394.9	42619.	3632.6
Stddev	4.0	1.6	351.	32.7
%RSD	.14219	.02960	.82258	.90052

#1	2813.1	5394.6	42215.	3640.4
#2	2808.8	5396.7	42802.	3660.7
#3	2816.8	5393.5	42840.	3596.7

Sample Name: MP30325-B1 Acquired: 5/6/2016 14:12:24 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0472	27.44	1.896	2.076	.0509	27.00	.0502	.5180	.2066
Stddev	.0034	.11	.003	.013	.0005	.27	.0003	.0009	.0004
%RSD	7.180	.3874	.1296	.6021	.9758	.9910	.6378	.1753	.2029

#1	.0484	27.32	1.895	2.062	.0503	26.71	.0500	.5180	.2064
#2	.0434	27.47	1.899	2.081	.0511	27.24	.0500	.5171	.2063
#3	.0499	27.53	1.894	2.085	.0512	27.04	.0506	.5190	.2071

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2635	27.07	25.52	26.08	.5286	.4850	24.72	.5153	.4873
Stddev	.0005	.21	.30	.21	.0017	.0010	.06	.0010	.0046
%RSD	.1814	.7722	1.161	.8086	.3255	.2091	.2479	.2025	.9453

#1	.2637	26.83	25.18	25.89	.5306	.4852	24.67	.5165	.4874
#2	.2629	27.14	25.64	26.31	.5273	.4859	24.79	.5146	.4827
#3	.2639	27.23	25.73	26.05	.5281	.4839	24.72	.5148	.4919

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4873	1.944	.0606	.5788	.4844	.4993	1.983	.4752	.5551
Stddev	.0054	.002	.0071	.0015	.0006	.0017	.008	.0006	.0004
%RSD	1.118	.0762	11.65	.2585	.1201	.3428	.3847	.1255	.0708

#1	.4813	1.943	.0670	.5805	.4846	.4999	1.990	.4756	.5555
#2	.4919	1.945	.0619	.5779	.4848	.4974	1.975	.4745	.5548
#3	.4887	1.945	.0530	.5779	.4837	.5007	1.985	.4755	.5550

Check ?	Chk Pass	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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Sample Name: MP30325-B1 Acquired: 5/6/2016 14:12:24 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2704.5	5332.7	42112.	3651.1
Stddev	6.7	5.1	135.	16.9
%RSD	.24922	.09563	.32071	.46306

#1	2709.7	5326.9	41958.	3666.9
#2	2706.9	5335.4	42210.	3633.3
#3	2696.9	5336.0	42167.	3653.0

Sample Name: CCV Acquired: 5/6/2016 14:16:43 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2610	41.58	1.982	2.107	2.041	42.85	2.033	2.043	2.039
Stddev	.0011	.14	.006	.004	.005	.28	.003	.002	.004
%RSD	.4184	.3258	.3099	.1860	.2306	.6646	.1308	.0734	.1968

#1	.2599	41.43	1.988	2.103	2.035	42.52	2.036	2.045	2.038
#2	.2609	41.70	1.982	2.108	2.044	43.02	2.032	2.043	2.036
#3	.2621	41.60	1.976	2.110	2.042	43.01	2.031	2.042	2.044

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.071	40.11	42.46	42.17	2.026	2.021	40.66	2.008	2.025
Stddev	.002	.15	.15	.36	.007	.003	.08	.005	.005
%RSD	.0879	.3812	.3522	.8611	.3638	.1259	.1885	.2460	.2531

#1	2.073	39.93	42.29	41.75	2.027	2.024	40.58	2.012	2.030
#2	2.069	40.20	42.51	42.35	2.018	2.019	40.71	2.008	2.021
#3	2.072	40.20	42.58	42.41	2.033	2.019	40.71	2.003	2.023

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.993	2.027	1.559	2.081	2.018	2.007	2.030	2.005	2.002
Stddev	.004	.005	.004	.004	.000	.004	.008	.002	.004
%RSD	.2036	.2420	.2335	.1874	.0201	.2115	.3925	.0996	.2149

#1	1.997	2.031	1.562	2.079	2.018	2.007	2.028	2.007	2.006
#2	1.989	2.021	1.555	2.078	2.018	2.002	2.039	2.005	1.999
#3	1.992	2.028	1.560	2.085	2.019	2.010	2.023	2.003	1.999

Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Sample Name: CCV Acquired: 5/6/2016 14:16:43 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2423.6	5119.0	4058.1	3628.8
Stddev	2.7	3.1	137.	35.0
%RSD	.11020	.06062	.33848	.96499
#1	2420.7	5115.8	40627.	3669.3
#2	2426.0	5122.0	40690.	3607.9
#3	2424.0	5119.1	40427.	3609.4

Sample Name: CCB Acquired: 5/6/2016 14:20:53 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.001	.0095	.0000	-0.002	.0003	.0073	.0001	.0001	.0003
Stddev	.0001	.0045	.000	.0005	.0001	.0045	.0000	.0000	.0001
%RSD	185.0	47.67	109.8	262.2	24.16	60.97	39.15	23.39	23.46
#1	-0.002	.0092	-0.001	.0003	.0003	.0122	.0001	.0001	.0003
#2	.0000	.0052	.0000	-0.003	.0003	.0035	.0001	.0001	.0002
#3	.0000	.0142	.0000	-0.006	.0002	.0062	.0001	.0001	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-0.004	.0111	-0.202	-0.236	.0001	.0006	.0282	.0000	.0008
Stddev	.0001	.0033	.0341	.0234	.0000	.0003	.0094	.000	.0002
%RSD	40.26	29.93	169.0	98.94	35.44	49.32	33.34	1059.	28.04
#1	-0.003	.0142	.0024	.0012	.0002	.0009	.0388	.0001	.0007
#2	-0.005	.0116	-0.036	-0.270	.0002	.0005	.0248	-0.001	.0010
#3	-0.002	.0076	-0.0594	-0.451	.0001	.0004	.0210	.0000	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0016	.0009	.0021	.0002	.0001	.0006	.0002	.0001	.0004
Stddev	.0002	.0005	.0000	.0003	.0001	.0002	.0004	.0001	.0000
%RSD	14.70	59.58	1.067	127.8	90.18	25.87	240.7	95.61	6.629
#1	.0018	.0003	.0022	.0000	.0001	.0008	.0002	.0000	.0004
#2	.0017	.0014	.0021	.0001	.0001	.0005	.0006	.0000	.0003
#3	.0014	.0010	.0022	.0005	.0000	.0006	-.0002	.0001	.0004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/6/2016 14:20:53 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2824.9	5399.3	42697.	3687.2
Stddev	5.7	11.6	114.	29.2
%RSD	.20021	.21411	.26760	.79259
#1	2824.6	5405.5	42806.	3698.6
#2	2830.7	5406.4	42705.	3653.9
#3	2819.4	5385.9	42578.	3708.9

Sample Name: FA32429-1 Acquired: 5/6/2016 14:25:26 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_3710)	Ba4554 (Y_3710)	Be3130 (Y_3600)	Ca3179 (Y_2243)	Cd2265 (Y_3710)	Co2286 (Y_2243)	Cr2677 (In2306)
Avg	-0.005	164.5	.0332	.6870	.0036	16.63	-0.026	.0253	2488
Stddev	.0002	.3	.0016	.0018	.0002	.10	.0003	.0002	.0012
%RSD	45.67	.2117	4.840	2678	5.838	5.813	11.15	.7314	4918
#1	-0.005	164.1	.0318	.6861	.0037	16.54	-.0023	.0253	2501
#2	-0.008	164.7	.0350	.6858	.0037	16.64	-.0026	.0255	2487
#3	-0.003	164.6	.0328	.6891	.0033	16.73	-.0029	.0251	2477

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.2498	162.1	13.99	13.95	1.048	.0088	2.387	.1105	.8011
Stddev	.0018	.0	.05	.26	.004	.0005	.041	.0013	.0025
%RSD	.7179	.0301	.3898	1.852	.3423	5.792	1.716	1.185	.3143
#1	.2483	162.0	13.93	14.25	1.048	.0082	2.383	.1090	.7984
#2	.2518	162.1	14.01	13.78	1.052	.0089	2.348	.1110	.8033
#3	.2494	162.0	14.04	13.82	1.045	.0092	2.430	.1114	.8015

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.0063	-0.0077	10.69	.0478	.2673	5.582	-0.0087	.4088	.1758
Stddev	.0025	.0061	.01	.0017	.0009	.012	.0037	.0026	.0007
%RSD	39.25	78.98	.1288	3.507	.3460	.2107	42.23	.6242	.4238
#1	.0045	-.0093	10.69	.0484	.2673	5.582	-.0092	.4112	.1750
#2	.0091	-.0010	10.68	.0491	.2682	5.594	-.0048	.4092	.1765
#3	.0052	-.0129	10.71	.0459	.2664	5.570	-.0121	.4061	.1758

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2728.7	5426.3	42098.	3590.2
Stddev	8.7	6.8	135.	13.3
%RSD	.32062	.12601	.32046	.37148
#1	2724.4	5418.5	41955.	3604.2
#2	2723.0	5429.3	42222.	3577.7
#3	2738.8	5431.2	42117.	3588.7

Sample Name: MP30325-D1 Acquired: 5/6/2016 14:29:48 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0011	189.4	.0370	.7605	.0037	18.69	-.0027	.0298	.2846
Stddev	.0016	.2	.0013	.0009	.0002	.10	.0001	.0003	.0020
%RSD	139.4	.1285	3.394	.1217	4.474	.5584	2.911	1.114	.7122
#1	.0006	189.6	.0366	.7615	.0036	18.79	-.0028	.0300	.2824
#2	-.0001	189.2	.0360	.7596	.0039	18.69	-.0028	.0301	.2864
#3	.0029	189.2	.0384	.7603	.0037	18.58	-.0026	.0295	.2849
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2776	181.3	15.45	15.75	1.168	.0087	2.458	1.295	.9495
Stddev	.0001	.3	.13	.13	.008	.0004	.028	.0011	.0069
%RSD	.0255	.1655	.8453	.7993	.6601	5.116	1.127	.8498	.7248
#1	.2775	181.2	15.31	15.77	1.159	.0093	2.477	1.287	.9464
#2	.2776	181.7	15.56	15.86	1.174	.0085	2.470	1.307	.9574
#3	.2776	181.1	15.48	15.61	1.169	.0085	2.426	1.290	.9447
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0045	-.0023	8.220	.0532	.2947	6.036	-.0068	.4598	.2103
Stddev	.0047	.0051	.019	.0008	.0004	.024	.0016	.0038	.0007
%RSD	103.3	219.1	.2359	1.469	1.370	.3911	23.85	.8204	.3118
#1	-.0005	-.0082	8.198	.0528	.2951	6.009	-.0076	.4563	.2102
#2	.0087	.0001	8.231	.0540	.2947	6.048	-.0050	.4591	.2096
#3	.0054	.0011	8.231	.0526	.2943	6.051	-.0079	.4638	.2110
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2702.0	5422.2	4242.7	3647.8					
Stddev	5.5	12.8	123.	17.4					
%RSD	.20450	.23532	.28965	.47805					
#1	2708.4	5434.3	4255.6	3645.2					
#2	2699.4	5423.4	4231.1	3631.8					
#3	2698.3	5408.9	4241.3	3666.4					

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Sample Name: MP30325-D2 Acquired: 5/6/2016 14:34:09 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0006	169.6	.0271	.7068	.0031	17.07	-.0027	.0265	.2472
Stddev	.0009	.4	.0014	.0048	.0002	.06	.0006	.0004	.0017
%RSD	139.6	.2193	5.166	.6852	6.789	.3302	20.59	1.662	.6841
#1	.0007	170.0	.0284	.7054	.0030	17.08	-.0033	.0260	.2467
#2	-.0003	169.6	.0275	.7028	.0029	17.11	-.0023	.0268	.2458
#3	.0014	169.2	.0256	.7122	.0033	17.00	-.0025	.0268	.2491
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2507	165.9	14.37	14.21	1.055	.0070	2.243	1.132	.8602
Stddev	.0011	.4	.12	.15	.003	.0001	.032	.0007	.0048
%RSD	.4299	.2325	.8054	1.078	.3118	.9264	1.416	.6520	.5616
#1	.2494	165.8	14.50	14.38	1.053	.0071	2.267	1.140	.8640
#2	.2512	166.3	14.31	14.10	1.055	.0070	2.255	1.126	.8548
#3	.2514	165.6	14.29	14.14	1.059	.0070	2.207	1.129	.8619
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0004	-.0057	7.988	.0485	.2691	5.424	-.0054	.4196	.1796
Stddev	.0066	.0069	.011	.0020	.0013	.007	.0068	.0024	.0006
%RSD	187.4	120.8	.1339	4.218	.4701	.1380	126.8	.5785	.3165
#1	-.0063	.0014	7.979	.0468	.2677	5.417	-.0109	.4169	.1799
#2	.0069	-.0124	7.985	.0508	.2701	5.423	-.0074	.4217	.1789
#3	.0004	-.0062	8.000	.0478	.2697	5.432	.0022	.4202	.1799
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2695.6	5409.2	4246.5	3679.3					
Stddev	1.5	6.1	62.	7.3					
%RSD	.05489	.11273	.14620	.19762					
#1	2693.9	5405.4	4250.0	3673.8					
#2	2696.2	5406.0	4250.2	3676.5					
#3	2696.7	5416.3	4239.4	3687.5					

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7.2
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Sample Name: MP30325-SD1 Acquired: 5/6/2016 14:38:30 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0011	211.3	.0195	.9388	.0002	17.58	-.0044	.0303	.2880
Stddev	.0039	.5	.0133	.0090	.0007	.14	.0004	.0040	.0103
%RSD	342.6	.2424	67.97	.9611	466.1	.8153	8.840	13.25	3.568
#1	.0055	211.7	.0044	.9398	.0009	17.73	-.0046	.0261	.2792
#2	-.0019	210.7	.0251	.9293	-.0004	17.54	-.0046	.0308	.2856
#3	-.0002	211.4	.0290	.9472	.0000	17.46	-.0039	.0341	.2993
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2405	170.7	21.47	14.95	1.097	-.0109	7.922	1.450	.8364
Stddev	.0028	.3	.63	.15	.005	.0017	.245	.0055	.0067
%RSD	1.171	.1730	2.930	1.020	.4858	15.98	3.097	3.818	.7975
#1	.2377	171.1	21.16	15.13	1.093	-.0108	8.177	1.388	.8344
#2	.2434	170.6	22.20	14.85	1.095	-.0092	7.688	1.493	.8310
#3	.2404	170.5	21.06	14.89	1.103	-.0127	7.901	1.470	.8439
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0207	-.0270	95.30	.0375	.2973	7.818	-.0405	.4300	.3158
Stddev	.0302	.0101	.38	.0106	.0038	.208	.0075	.0073	.0034
%RSD	145.7	37.49	.3982	28.22	1.282	2.659	18.58	1.696	1.069
#1	.0111	-.0213	95.74	.0434	.3008	7.578	-.0490	.4222	.3120
#2	-.0035	-.0387	95.06	.0438	.2932	7.947	-.0379	.4311	.3186
#3	.0545	-.0211	95.11	.0253	.2979	7.930	-.0347	.4367	.3167
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2805.9	5467.1	4362.5	3755.2					
Stddev	15.2	24.5	19.	13.6					
%RSD	.54168	.44745	.43744	.36183					
#1	2823.1	5495.0	4360.6	3739.6					
#2	2800.7	5456.5	4362.3	3761.9					
#3	2794.1	5449.7	4364.4	3764.3					

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Sample Name: MP30325-PS1 Acquired: 5/6/2016 14:42:55 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0504	176.7	1.134	1.005	.0570	23.34	.0496	.0803	.3187
Stddev	.0018	.7	.0051	.004	.0005	.12	.0004	.0006	.0013
%RSD	3.479	.3945	3.892	4.044	.9527	.5160	.8044	.7318	.4031
#1	.0515	177.5	.1372	1.010	.0576	23.47	.0500	.0806	.3178
#2	.0513	176.3	.1296	1.002	.0566	23.28	.0492	.0806	.3181
#3	.0484	176.2	.1274	1.004	.0567	23.25	.0496	.0796	.3202
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3748	174.4	25.25	20.26	1.164	.1088	12.71	2.204	.9075
Stddev	.0007	.4	.08	.26	.006	.0007	.03	.0017	.0013
%RSD	.1769	.2336	.3018	1.301	.5266				

Sample Name: MP30325-S1 Acquired: 5/6/2016 14:47:16 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: MP30325-S2 Acquired: 5/6/2016 14:51:34 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA32429-4 Acquired: 5/6/2016 14:55:52 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA32429-7 Acquired: 5/6/2016 15:00:12 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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7.2

Sample Name: FA32429-8 Acquired: 5/6/2016 15:04:34 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0027	157.4	.0376	1.147	.0043	33.54	-.0018	.0537	.3232
Stddev	.0014	.5	.0029	.002	.0004	.14	.0002	.0005	.0016
%RSD	50.70	.3144	7.789	.2004	10.16	.4296	9.958	.9413	.4909
#1	.0041	157.0	.0343	1.145	.0041	33.38	-.0016	.0542	.3221
#2	.0013	158.0	.0389	1.149	.0049	33.67	-.0018	.0537	.3250
#3	.0027	157.3	.0397	1.147	.0041	33.57	-.0019	.0531	.3226

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4979	170.7	21.66	18.83	3.340	.0034	1.807	.1411	2.911
Stddev	.0001	.6	.35	.17	.012	.0003	.001	.0009	.011
%RSD	.0265	.3786	1.624	.9043	.3442	8.356	.0435	.6260	.3835
#1	.4979	170.1	21.32	18.65	3.340	.0037	1.807	.1414	2.911
#2	.4978	171.4	22.02	18.98	3.351	.0032	1.806	.1417	2.899
#3	.4980	170.7	21.64	18.86	3.328	.0034	1.807	.1400	2.922

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0118	-.0046	8.659	.0468	.5031	4.976	-.0026	.3640	.3393
Stddev	.0031	.0045	.016	.0005	.0020	.014	.0035	.0010	.0005
%RSD	26.64	98.12	1.793	1.042	.3926	.2846	133.4	.2797	.1570
#1	.0140	-.0027	8.642	.0470	.5015	4.979	-.0012	.3634	.3394
#2	.0132	-.0013	8.662	.0472	.5053	4.988	-.0066	.3652	.3387
#3	.0082	-.0097	8.673	.0463	.5025	4.960	-.0001	.3634	.3398

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2707.5	5462.0	42511.	3625.1
Stddev	7.4	5.2	75.	15.8
%RSD	.27150	.09463	.17623	.43561
#1	2704.7	5459.4	42463.	3639.6
#2	2715.8	5468.0	42472.	3608.3
#3	2701.9	5458.7	42597.	3627.5

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Sample Name: CCV Acquired: 5/6/2016 15:08:54 Type: QC
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2613	41.72	1.962	2.112	2.034	43.29	2.022	2.040	2.050
Stddev	.0005	.09	.006	.002	.006	.14	.004	.003	.005
%RSD	.1803	.2184	.3336	.1082	.2811	.3242	.2137	.1615	.2331
#1	.2608	41.75	1.958	2.112	2.028	43.39	2.019	2.038	2.048
#2	.2616	41.78	1.959	2.114	2.039	43.13	2.020	2.038	2.046
#3	.2616	41.61	1.970	2.110	2.034	43.34	2.027	2.044	2.055

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.081	40.24	42.64	42.62	2.028	2.020	40.51	1.988	2.019
Stddev	.006	.10	.05	.06	.001	.005	.10	.005	.004
%RSD	.2906	.2535	.1059	.1504	.0295	.2685	.2492	.2636	.1810
#1	2.086	40.27	42.66	42.70	2.027	2.017	40.44	1.984	2.015
#2	2.082	40.33	42.67	42.58	2.028	2.018	40.63	1.986	2.022
#3	2.074	40.13	42.59	42.60	2.027	2.027	40.46	1.994	2.020

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.972	2.011	1.545	2.080	2.003	2.003	2.016	1.996	1.980
Stddev	.008	.008	.003	.002	.005	.001	.006	.003	.004
%RSD	.4026	.3802	.2034	.1023	.2286	.0545	.3093	.1456	.1770
#1	1.966	2.002	1.542	2.078	2.000	2.002	2.021	1.996	1.977
#2	1.969	2.013	1.543	2.079	2.008	2.004	2.019	1.992	1.979
#3	1.981	2.017	1.548	2.082	2.002	2.002	2.009	1.998	1.984

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7.2
7

Sample Name: CCV Acquired: 5/6/2016 15:08:54 Type: QC
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2426.9	5153.6	40669.	3610.5
Stddev	1.5	12.4	22.	17.3
%RSD	.06242	.23975	.05460	.47975
#1	2426.2	5155.9	40688.	3590.5
#2	2428.7	5164.7	40674.	3621.1
#3	2425.9	5140.3	40644.	3619.9

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Sample Name: CCB Acquired: 5/6/2016 15:13:05 Type: QC
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0043	.0002	-.0003	.0001	.0075	.0001	.0001	.0003
Stddev	.0004	.0076	.0011	.0001	.0000	.0015	.0000	.0000	.0001
%RSD	272.6	174.5	495.7	30.13	14.24	20.07	21.52	13.06	33.05
#1	-.0006	.0112	.0014	-.0003	.0001	.0087	.0001	.0001	.0002
#2	.0001	.0055	-.0007	-.0004	.0001	.0058	.0002	.0001	.0002
#3	.0001	-.0037	-.0001	-.0002	.0001	.0079	.0001	.0001	.0004

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	.0095	-.0132	-.0240	.0001	.0003	.0015	.0000	-.0001
Stddev	.0000	.0017	.0145	.0158	.0000	.0003	.0061	.0000	.0002
%RSD	8.403	17.80	109.8	65.80	13.23	92.03	414.5	77.57	206.1
#1	-.0004	.0114	-.0072	-.0405	.0001	.0006	.0030	.0000	.0001
#2	-.0004	.0081	-.0298	-.0090	.0001	.0003	.0067	.0001	-.0003
#3	-.0004	.0089	-.0027	-.0226	.0001	.0000	-.0053	.0000	-.0001

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	.0000	.0026	-.0001	.0000	.0003	-.0005	.0001	.0003
Stddev	.0013	.002	.0001	.0001	.0001	.0000	.0006	.0002	.0001
%RSD	74.56	4679.	2.937	75.59	226.3	12.18	107.5	133.5	29.73
#1	.0032	.0016	.0027	-.0001	.0000	.0004	-.0012	-.0001	.0002
#2	.0009	-.0011	.0025	-.0001	.0000	.0003	-.0004	.0002	.0004
#3	.0010	-.0007	.0025	.0000	.0001	.0003	.0000	.0002	.0003

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Sample Name: CCB Acquired: 5/6/2016 15:13:05 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2835.3	5464.0	42938.	3697.1
Stddev	3.0	2.7	177.	26.7
%RSD	.10636	.04916	.41297	.72291
#1	2837.8	5461.9	43085.	3688.2
#2	2832.0	5463.1	42989.	3675.9
#3	2836.1	5467.0	42741.	3727.1

Sample Name: FA32429-13 Acquired: 5/6/2016 15:17:38 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0035	411.7	.0841	4.977	.0155	95.31	-.0035	1.344	.6665
Stddev	.0016	.9	.0014	.016	.0003	.29	.0002	.0010	.0006
%RSD	44.64	.2227	1.707	.3165	2.140	.2995	6.715	.7483	.0971
#1	.0017	410.6	.0825	4.960	.0156	95.05	-.0038	1.333	.6665
#2	.0043	412.1	.0845	4.991	.0152	95.26	-.0035	1.353	.6672
#3	.0046	412.2	.0853	4.979	.0158	95.61	-.0033	1.345	.6659
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6092	390.0	34.20	53.47	16.60	.0054	3.984	.4158	2.167
Stddev	.0004	.2	.23	.25	.08	.0004	.020	.0023	.004
%RSD	.0614	.0570	.6756	.4627	.4855	6.682	.4906	.5449	.1723
#1	.6088	389.8	33.95	53.19	16.54	.0057	3.995	.4138	2.165
#2	.6095	390.2	34.41	53.65	16.57	.0054	3.996	.4153	2.171
#3	.6091	390.1	34.23	53.56	16.69	.0050	3.962	.4182	2.165
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0022	-.0058	7.722	.0371	1.316	12.83	.0058	.7421	.6697
Stddev	.0061	.0108	.016	.0029	.01	.01	.0060	.0034	.0025
%RSD	271.2	186.1	.2077	7.705	.0955	.0769	102.8	.4597	.3674
#1	-.0091	.0053	7.707	.0383	1.317	12.82	.0000	.7384	.6674
#2	.0026	-.0065	7.720	.0338	1.317	12.83	.0120	.7452	.6695
#3	-.0003	-.0163	7.739	.0392	1.315	12.84	.0056	.7427	.6723
Int. Std. Avg	In2306 2637.7	Y_2243 5567.7	Y_3600 42551.	Y_3710 3638.4					
Stddev	1.0	9.7	45.	9.3					
%RSD	.03614	.17481	.10598	.25647					
#1	2637.5	5573.4	42532.	3648.3					
#2	2638.8	5573.3	42602.	3637.2					
#3	2637.0	5556.5	42517.	3629.8					

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Sample Name: FA32429-17 Acquired: 5/6/2016 15:22:08 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0017	143.3	.0189	1.480	.0025	51.55	-.0021	.0245	.1846
Stddev	.0005	.4	.0023	.001	.0004	.12	.0004	.0003	.0018
%RSD	27.67	.2575	12.17	.0915	16.33	.2281	18.12	1.314	.9838
#1	.0013	143.7	.0162	1.480	.0024	51.46	-.0026	.0241	.1834
#2	.0022	142.9	.0201	1.479	.0030	51.68	-.0019	.0245	.1837
#3	.0015	143.3	.0203	1.482	.0022	51.51	-.0020	.0247	.1867
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0693	147.9	15.56	15.14	2.429	.0059	1.892	.1122	.3962
Stddev	.0015	.5	.20	.07	.002	.0006	.004	.0006	.0040
%RSD	2.147	.3279	1.260	.4853	.0745	10.25	.2122	.5475	.9987
#1	.0710	148.4	15.33	15.15	2.427	.0065	1.894	.1127	.3919
#2	.0682	147.6	15.70	15.06	2.428	.0059	1.894	.1115	.3970
#3	.0687	147.6	15.64	15.21	2.431	.0053	1.887	.1124	.3997
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0015	-.0067	8.438	.0488	.6605	4.486	-.0036	.3664	.1735
Stddev	.0035	.0037	.004	.0008	.0028	.009	.0022	.0024	.0010
%RSD	235.1	55.01	.0492	1.663	.4174	.1918	60.33	.6592	.5622
#1	.0055	-.0079	8.434	.0486	.6637	4.480	-.0055	.3651	.1724
#2	-.0009	-.0097	8.438	.0481	.6586	4.496	-.0040	.3692	.1739
#3	-.0001	-.0026	8.442	.0497	.6593	4.483	-.0013	.3649	.1743
Int. Std. Avg	In2306 2696.3	Y_2243 5437.7	Y_3600 42257.	Y_3710 3601.9					
Stddev	9.8	8.1	53.	6.9					
%RSD	.36297	.14985	.12526	.19173					
#1	2707.5	5442.7	42284.	3598.5					
#2	2689.2	5428.3	42196.	3597.3					
#3	2692.2	5442.1	42291.	3609.8					

Sample Name: FA32429-18 Acquired: 5/6/2016 15:26:31 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0011	166.4	.0205	2.284	.0026	88.11	-.0013	.0315	.2033
Stddev	.0018	.9	.0005	.011	.0002	.85	.0002	.0001	.0014
%RSD	162.1	.5650	2.545	.4819	8.362	.9645	16.91	.4588	.6975
#1	.0019	167.2	.0200	2.295	.0027	88.76	-.0011	.0315	.2046
#2	.0024	166.5	.0210	2.285	.0028	88.42	-.0012	.0316	.2018
#3	-.0009	165.3	.0205	2.273	.0024	87.15	-.0015	.0313	.2034
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1995	159.7	18.55	18.76	3.567	.0042	2.454	.1448	1.119
Stddev	.0003	.9	.13	.15	.016	.0008	.032	.0009	.005
%RSD	.1257	.5946	.6745	.8059	.4588	18.77	1.295	.6452	.4878
#1	.1996	160.6	18.69	18.93	3.585	.0034	2.488	.1440	1.114
#2	.1993	160.0	18.45	18.88	3.562	.0049	2.452	.1459	1.120
#3	.1998	158.7	18.53	18.67	3.553	.0042	2.424	.1446	1.124
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0002	-.0007	6.695	.0524	1.075	4.578	-.0054	.3903	.2813
Stddev	.0046	.0083	.016	.0002	.004	.019	.0051	.0007	.0013
%RSD	1919.	1115.	.2408	.4061	.3307	.4106	95.72	.1825	.4519
#1	.0008	-.0082	6.705	.0522	1.077	4.596	-.0058	.3908	.2802
#2	-.0046	-.0024	6.703	.0526	1.076	4.579	-.0103	.3905	.2810
#3	.0045	-.0080	6.676	.0524	1.071	4.559	-.0001	.3895	.2827
Int. Std. Avg	In2306 2676.4	Y_2243 5443.7	Y_3600 42098.	Y_3710 3656.6					
Stddev	4.6	6.2	56.	43.0					
%RSD	.17131	.11329	.13417	1.1751					
#1	2681.7	5448.1	42035.	3613.6					
#2	2674.1	5436.7	42119.	3656.6					
#3	2673.4	5446.3	42142.	3699.6					

Sample Name: FA32429-23 Acquired: 5/6/2016 15:30:54 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1-3, Int. Std., Avg, Stddev, %RSD, #1-3).

Sample Name: FA32429-26 Acquired: 5/6/2016 15:35:16 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1-3, Int. Std., Avg, Stddev, %RSD, #1-3).

Sample Name: FA32429-29 Acquired: 5/6/2016 15:39:37 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1-3, Int. Std., Avg, Stddev, %RSD, #1-3).

Sample Name: FA32429-32 Acquired: 5/6/2016 15:44:01 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1-3, Int. Std., Avg, Stddev, %RSD, #1-3).

Sample Name: FA32430-1 Acquired: 5/6/2016 15:48:22 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0022	418.1	.0848	5.051	.0143	159.5	-.0021	.1146	.6005
Stddev	.0013	2.2	.0009	.013	.0002	1.0	.0004	.0008	.0003
%RSD	59.25	.5193	1.062	.2622	1.315	.6565	17.45	.7129	.0445
#1	.0038	418.6	.0855	5.047	.0141	160.3	-.0020	.1155	.6008
#2	.0015	420.0	.0852	5.066	.0144	160.0	-.0025	.1139	.6003
#3	.0014	415.8	.0838	5.040	.0144	158.3	-.0018	.1144	.6004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.9069	345.9	32.91	56.11	15.25	.0051	3.825	.4177	6.554
Stddev	.0014	1.5	.23	.53	.08	.0008	.074	.0003	.017
%RSD	.1590	.4409	.6910	.9464	.5335	15.13	1.944	.0835	.2532
#1	.9081	346.7	33.03	56.53	15.16	.0052	3.739	.4181	6.536
#2	.9073	346.9	33.06	56.29	15.29	.0043	3.873	.4176	6.558
#3	.9053	344.2	32.65	55.51	15.30	.0059	3.863	.4174	6.568
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0152	-.0043	7.572	.0424	1.999	11.72	.0013	.6528	.6968
Stddev	.0071	.0057	.009	.0011	.004	.05	.0073	.0026	.0030
%RSD	46.55	134.3	.1170	2.587	.2246	.4129	572.4	.3943	.4375
#1	.0071	-.0102	7.573	.0415	1.999	11.66	-.0062	.6503	.6942
#2	.0187	-.0037	7.563	.0420	2.004	11.75	.0017	.6554	.6960
#3	.0198	.0012	7.581	.0436	1.995	11.74	.0083	.6527	.7001
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2622.4	5498.5	42348.	3599.0					
Stddev	2.2	6.2	255.	24.5					
%RSD	.08492	.11365	.60249	.68003					
#1	2624.2	5492.8	42641.	3576.7					
#2	2619.9	5505.2	42226.	3595.2					
#3	2623.1	5497.6	42177.	3625.2					

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Sample Name: FA32430-4 Acquired: 5/6/2016 15:52:53 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0043	443.8	.0995	6.327	.0180	191.7	.0003	.1455	.7549
Stddev	.0018	1.5	.0039	.035	.0001	.7	.0007	.0005	.0042
%RSD	41.83	.3380	3.873	.5551	.3159	.3895	278.8	.3686	.5589
#1	.0053	445.5	.1009	6.352	.0180	192.6	-.0004	.1460	.7571
#2	.0022	443.2	.0951	6.287	.0180	191.3	.0001	.1456	.7576
#3	.0054	442.7	.1023	6.342	.0179	191.3	.0011	.1450	.7501
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5162	379.6	34.63	66.67	19.81	.0049	4.624	.4858	1.003
Stddev	.0045	2.1	.18	.25	.10	.0009	.059	.0026	.006
%RSD	.8794	.5604	.5203	.3822	.5288	19.35	1.281	.5373	.5784
#1	.5128	381.7	34.83	66.43	19.88	.0039	4.692	.4853	.9992
#2	.5214	379.5	34.49	66.94	19.86	.0049	4.597	.4834	1.009
#3	.5145	377.5	34.57	66.63	19.69	.0058	4.582	.4885	.9993
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0015	.0063	7.083	.0400	2.400	11.80	-.0060	.6903	.8266
Stddev	.0033	.0106	.008	.0011	.013	.02	.0029	.0004	.0031
%RSD	226.0	167.9	.1117	2.700	.5336	.2107	47.46	.0640	.3706
#1	.0018	-.0030	7.089	.0402	2.414	11.81	-.0084	.6906	.8268
#2	.0046	.0041	7.074	.0410	2.397	11.82	-.0068	.6898	.8235
#3	-.0020	.0178	7.086	.0388	2.390	11.78	-.0029	.6905	.8296
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2594.5	5519.6	42565.	3636.1					
Stddev	2.4	2.6	234.	16.6					
%RSD	.09373	.04656	.54936	.45522					
#1	2593.2	5516.6	42370.	3626.1					
#2	2597.3	5520.9	42501.	3626.9					
#3	2592.9	5521.2	42824.	3655.2					

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Sample Name: FA32430-7 Acquired: 5/6/2016 15:57:23 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0065	468.8	.1012	7.774	.0168	255.0	.0013	1.227	.6756
Stddev	.0015	3.4	.0040	.058	.0003	2.0	.0000	.0005	.0008
%RSD	22.52	.7328	3.999	.7434	1.683	.7740	1.013	.4340	.1165
#1	.0048	472.1	.0966	7.823	.0166	256.3	.0013	1.231	.6752
#2	.0071	465.3	.1041	7.710	.0167	252.7	.0013	1.228	.6751
#3	.0076	468.9	.1029	7.788	.0171	255.9	.0013	1.221	.6765
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6762	359.4	31.28	71.29	F 41.28	.0042	4.137	.4996	3.698
Stddev	.0019	2.5	.38	.11	.14	.0003	.018	.0024	.005
%RSD	.2817	.7007	1.225	.1572	.3317	8.247	.4281	.4880	.1251
#1	.6775	362.0	31.38	71.34	41.43	.0040	4.158	.5023	3.696
#2	.6740	357.0	30.86	71.36	41.25	.0046	4.125	.4976	3.703
#3	.6771	359.1	31.61	71.16	41.16	.0040	4.129	.4990	3.695
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0046	.0128	7.823	.0488	2.813	11.57	.0111	.6272	1.098
Stddev	.0011	.0050	.013	.0007	.018	.02	.0036	.0025	.003
%RSD	23.75	39.21	.1693	1.405	.6490	.1542	32.44	.4064	.2358
#1	.0055	.0169	7.838	.0480	2.830	11.59	.0123	.6301	1.099
#2	.0048	.0143	7.818	.0494	2.794	11.56	.0140	.6252	1.100
#3	.0034	.0072	7.813	.0489	2.815	11.55	.0071	.6262	1.095
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2570.8	5463.8	42258.	3667.1					
Stddev	6.7	11.9	89.	32.4					
%RSD	.26007	.21696	.21088	.88480					
#1	2564.7	5450.2	42205.	3635.3					
#2	2569.8	5470.1	42208.	3700.2					
#3	2577.9	5471.3	42361.	3666.0					

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Sample Name: CCV Acquired: 5/6/2016 16:01:51 Type: QC
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.610	41.99	1.904	2.114	2.024	43.93	1.975	2.003	2.044
Stddev	.0014	.17	.004	.006	.009	.28	.003	.003	.010
%RSD	.5237	.4043	.2172	.2999	.4461	.6355	.1481	.1513	.5013
#1	.2596	42.03	1.899	2.116	2.022	44.01	1.979	2.007	2.050
#2	.2610	41.80	1.905	2.106	2.016	43.62	1.973	2.002	2.050
#3	.2623	42.14	1.907	2.119	2.034	44.16	1.974	2.002	2.032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.078	40.35	43.30	43.56	2.017	1.988	40.26	1.935	1.986
Stddev	.003	.21	.06	.39	.011	.001	.17	.001	.005
%RSD	.1471	.5286	.1334	.8982	.5520	.0626	.4325	.0685	.2491
#1</									

Sample Name: CCV Acquired: 5/6/2016 16:01:51 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2458.9	5254.6	4081.1	3501.6
Stddev	1.6	2.7	166.	27.7
%RSD	.06354	.05229	.40671	.79014
#1	2458.8	5252.7	40642.	3502.3
#2	2457.4	5257.7	40817.	3529.0
#3	2460.5	5253.3	40974.	3473.7

Sample Name: CCB Acquired: 5/6/2016 16:06:01 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.001	0.010	0.001	-0.001	0.001	0.069	0.001	0.000	0.003
Stddev	.0002	.0083	.0007	.0002	.0001	.0025	.0000	.0000	.0001
%RSD	363.8	843.1	1289.	300.8	76.99	37.21	17.70	86.60	32.97
#1	-0.001	-0.041	-0.006	.001	.000	.046	.001	.001	.003
#2	-0.002	.0106	.001	-0.001	.001	.0096	.001	.000	.004
#3	.002	-0.035	.007	-0.002	.001	.0063	.001	.001	.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-0.006	0.061	-0.240	-0.038	0.001	0.006	-0.016	0.002	0.003
Stddev	.0000	.0041	.0099	.0176	.0000	.0002	.0060	.0001	.0002
%RSD	6.032	67.59	41.11	44.31	17.52	38.59	381.4	40.14	57.90
#1	-0.006	.0065	-0.142	-0.364	.002	.009	.052	.002	.003
#2	-0.006	.0099	-0.340	-0.589	.002	.005	-0.062	.001	.004
#3	-0.006	.0018	-0.238	-0.241	.001	.004	-0.037	.002	.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	0.013	-0.001	0.030	-0.002	0.000	0.004	-0.005	0.001	0.003
Stddev	.0011	.0010	.0003	.0002	.000	.0000	.0007	.0001	.0000
%RSD	81.51	729.6	9.954	86.74	448.3	12.43	139.2	124.4	7.971
#1	.0022	.0003	.0030	-0.001	-0.001	.004	-0.008	.002	.003
#2	.0017	-0.013	.0027	-0.001	-0.001	.004	-0.011	.002	.003
#3	.001	.0005	.0033	-0.004	.001	.003	.003	.000	.003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.2
7

Sample Name: CCB Acquired: 5/6/2016 16:06:01 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2832.7	5477.6	42684.	3592.6
Stddev	6.8	11.3	143.	16.3
%RSD	.23911	.20663	.33411	.45411
#1	2837.8	5488.8	42537.	3598.2
#2	2835.3	5477.9	42822.	3605.3
#3	2825.0	5466.2	42693.	3574.2

Sample Name: FA32430-10 Acquired: 5/6/2016 16:10:34 Type: Unk
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_3710)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	0.053	446.2	0.871	6.535	0.155	283.0	-0.007	1.264	0.658
Stddev	.0025	1.5	.0036	.018	.0004	1.7	.0004	.0003	.0022
%RSD	46.69	.3249	4.128	.2715	2.372	6.105	51.63	2.251	.3308
#1	.0029	447.9	.0892	6.555	.0151	285.0	-0.011	1.266	.6654
#2	.0078	445.4	.0830	6.530	.0159	281.9	-0.005	1.261	.6638
#3	.0051	445.4	.0892	6.520	.0155	282.0	-0.004	1.264	.6681

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	0.5701	382.6	33.10	59.63	F 21.52	0.081	4.131	4.404	1.089
Stddev	.0021	2.1	.30	.38	.06	.0013	.031	.0008	.012
%RSD	.3737	.5440	.9138	.6334	.2801	16.01	.7603	.1717	1.102
#1	.5706	385.0	33.29	59.99	21.46	.0076	4.166	4.395	1.082
#2	.5678	381.5	33.26	59.67	21.54	.0096	4.122	4.407	1.083
#3	.5720	381.3	32.75	59.23	21.57	.0072	4.105	4.409	1.103

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	-0.013	0.029	10.49	0.451	2.302	12.03	0.044	7.089	1.534
Stddev	.0031	.0043	.01	.0015	.005	.01	.0071	.0007	.007
%RSD	250.6	150.7	.1342	3.404	.2178	.0668	163.1	.1022	.4338
#1	-0.012	.0079	10.48	.0467	2.307	12.04	-0.024	.7096	1.529
#2	-0.019	-0.001	10.49	.0449	2.301	12.03	.0118	.7088	1.532
#3	-0.044	.0009	10.50	.0436	2.297	12.02	.0037	.7082	1.542

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2558.6	5405.5	41769.	3599.6
Stddev	3.4	2.9	60.	31.6
%RSD	.13322	.05432	.14291	.87878
#1	2555.4	5402.6	41701.	3563.1
#2	2562.2	5405.3	41807.	3619.2
#3	2558.3	5408.5	41801.	3616.6

Sample Name: FA32430-11 Acquired: 5/6/2016 16:15:04 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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Sample Name: ICSA Acquired: 5/6/2016 16:24:01 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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Sample Name: CRIA Acquired: 5/6/2016 16:19:34 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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Sample Name: ICSAB Acquired: 5/6/2016 16:28:40 Type: Unk
Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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7.2

Sample Name: CCV Acquired: 5/6/2016 16:33:10 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2618	42.28	1.924	2.130	2.035	43.96	1.989	2.015	2.060
Stddev	.0010	.07	.005	.002	.004	.11	.002	.002	.006
%RSD	.3826	.1700	.2551	.0916	.1893	.2555	.0915	.1023	.3067
#1	.2625	42.20	1.918	2.131	2.030	43.92	1.987	2.014	2.064
#2	.2621	42.31	1.927	2.128	2.037	44.08	1.990	2.014	2.053
#3	.2606	42.33	1.925	2.131	2.036	43.87	1.991	2.018	2.064

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.083	40.59	43.40	43.57	2.038	1.999	40.47	1.950	1.999
Stddev	.008	.11	.09	.24	.005	.002	.04	.003	.002
%RSD	.4035	.2784	.2019	.5541	.2663	.1153	.0943	.1744	.1090
#1	2.087	40.50	43.31	43.55	2.042	1.996	40.43	1.947	1.996
#2	2.089	40.71	43.49	43.81	2.032	2.000	40.50	1.953	2.000
#3	2.074	40.54	43.41	43.33	2.040	2.001	40.49	1.950	2.000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.934	1.972	1.521	2.068	2.004	1.996	1.997	1.977	1.950
Stddev	.007	.003	.000	.003	.004	.004	.004	.005	.003
%RSD	.3436	.1375	.0243	.1463	.1856	.1841	.1963	.2686	.1622
#1	1.926	1.975	1.521	2.066	2.000	1.999	1.997	1.975	1.946
#2	1.939	1.969	1.521	2.067	2.007	1.992	1.994	1.974	1.952
#3	1.936	1.972	1.522	2.072	2.005	1.996	2.001	1.984	1.951

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 5/6/2016 16:33:10 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2429.0	5185.4	40120.	3470.4
Stddev	1.9	2.1	62.	17.4
%RSD	.07895	.04018	.15505	.50095
#1	2429.2	5183.2	40059.	3476.6
#2	2430.8	5187.4	40184.	3450.8
#3	2427.0	5185.6	40117.	3483.9

Sample Name: CCB Acquired: 5/6/2016 16:37:22 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	.0195	-0.0003	-0.0001	.0000	.0116	.0000	.0001	.0002
Stddev	.0002	.0120	.0002	.0002	.0001	.0036	.000	.0001	.0000
%RSD	174.2	61.41	57.03	295.5	312.0	31.24	306.6	115.5	26.63
#1	-.0002	.0320	-.0001	.0001	.0001	.0145	.0000	.0001	.0002
#2	.0001	.0181	-.0002	-.0002	.0000	.0128	.0000	.0000	.0002
#3	-.0002	.0082	-.0004	-.0001	.0000	.0075	.0000	.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	.0121	-0.0071	.0037	.0000	.0005	.0316	.0000	-0.0003
Stddev	.0001	.0025	.0203	.0245	.0000	.0003	.0045	.0001	.0005
%RSD	27.89	20.68	288.2	669.2	146.3	53.58	14.17	207.2	175.9
#1	-.0003	.0134	.0154	.0099	.0000	.0009	.0357	.0001	.0003
#2	-.0006	.0137	-.0123	-.0233	.0000	.0004	.0268	.0000	-.0004
#3	-.0005	.0092	-.0242	.0244	.0000	.0004	.0322	.0000	-.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	.0005	.0020	-0.0002	.0001	.0003	-0.0012	-0.0001	.0001
Stddev	.0007	.0013	.0002	.0002	.0001	.0001	.0006	.0001	.0001
%RSD	73.46	261.2	11.53	66.80	140.1	21.24	46.97	114.9	81.52
#1	.0006	.0013	.0022	-.0001	.0002	.0004	-.0009	.0000	.0001
#2	.0019	-.0010	.0019	-.0001	.0000	.0003	-.0018	-.0003	.0002
#3	.0005	.0012	.0018	-.0004	.0001	.0004	-.0009	-.0001	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 5/6/2016 16:37:22 Type: QC
 Method: 60102007_042011(v98) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2824.3	5463.5	42539.	3564.0
Stddev	3.9	7.9	69.	6.4
%RSD	.13810	.14395	.16182	.18084
#1	2819.8	5454.9	42596.	3571.2
#2	2826.3	5465.3	42463.	3561.7
#3	2826.8	5470.3	42558.	3558.9

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000003	0.000000	No
Al 396.152 {85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000077	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 {74}	<input checked="" type="checkbox"/>	1	Fe	-0.000000	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000094	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000000	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000009	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000110	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 {44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000008	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000003	0.000000	No
Na 589.592 {57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000035	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000060	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000027	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	0.000017	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000035	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000013	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	-0.000015	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000013	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	-0.000209	0.545313	0.000000	1.000000
Al 396.152 { 85}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	0.000537	0.219789	0.000000	1.000000
As 189.042 {478}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	-0.000560	0.179005	0.000000	1.000000
Ba 455.403 { 74}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	0.005406	8.286671	0.000000	1.000000
Be 313.042 {108}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	0.001826	10.944100	0.000000	1.000000
Ca 317.933 {106}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	0.006320	0.226107	0.000000	1.000000
Cd 226.502 {449}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	-0.001036	4.510727	0.000000	1.000000
Co 228.616 {447}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	-0.000468	2.455234	0.000000	1.000000
Cr 267.716 {126}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	-0.000151	0.507232	0.000000	1.000000
Cu 324.754 {104}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	0.006430	0.841307	0.000000	1.000000
Fe 259.940 {130}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	0.001944	0.154700	0.000000	1.000000
In 230.606 {446}*	5/6/2016 11:25:34	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	-0.009307	0.096949	0.000000	1.000000
Mg 279.079 {121}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	0.000049	0.024322	0.000000	1.000000
Mn 257.610 {131}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	0.000777	2.824323	0.000000	1.000000
Mo 202.030 {467}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	0.001476	1.082780	0.000000	1.000000
Na 589.592 { 57}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	-0.014808	0.427627	0.000000	1.000000
Ni 231.604 {445}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	-0.000361	1.486788	0.000000	1.000000
Pb 220.353 {453}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	0.000230	0.786821	0.000000	1.000000
Sb 206.833 {463}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	0.000573	0.245945	0.000000	1.000000
Se 196.090 {472}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	-0.000094	0.127111	0.000000	1.000000
Si 212.412 {459}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	0.004130	0.449084	0.000000	1.000000
Sn 189.989 {477}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	0.000498	0.373278	0.000000	1.000000
Sr 407.771 { 83}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	0.003428	15.547795	0.000000	1.000000
Ti 334.941 {101}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	0.002056	1.967603	0.000000	1.000000
Tl 190.856 {477}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	-0.001350	0.283335	0.000000	1.000000
V 292.402 {115}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	-0.000651	0.691672	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	5/6/2016 11:25:34	5/6/2016 10:53:39	Linear	1/Conc	0.000835	2.307658	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999996	0.000015	0.000370	0.001235	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999839	0.006366	0.008702	0.029007	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999866	0.000235	0.000791	0.002636	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999903	0.009277	0.000290	0.000968	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999971	0.006676	0.000070	0.000233	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999924	0.004485	0.003904	0.013015	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999957	0.003360	0.000049	0.000162	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999994	0.000672	0.000099	0.000331	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999971	0.000313	0.000251	0.000835	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999977	0.000458	0.000224	0.000746	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999756	0.005508	0.002916	0.009721	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999708	0.003773	0.033343	0.111144	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999864	0.000646	0.023803	0.079342	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999737	0.005217	0.000040	0.000134	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999993	0.000316	0.000132	0.000441	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999739	0.015728	0.008126	0.027088	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999977	0.000820	0.000167	0.000556	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999828	0.001179	0.000606	0.002020	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999901	0.000278	0.000922	0.003074	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999902	0.000143	0.001624	0.005415	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.986202	0.006071	0.000355	0.001185	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999899	0.000428	0.000322	0.001072	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999997	0.003201	0.000098	0.000327	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999886	0.002392	0.000098	0.000326	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999941	0.000248	0.001000	0.003334	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999978	0.000364	0.000234	0.000779	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999929	0.002210	0.000071	0.000238	OK	1.000000	0.000000	1	0

Accutest Laboratories SE Metals Digestion Log Water

DOD
M4/MS

Method of digestion(circle one): SW846-3010A / SW846-3005A / EPA 200.7 / SM3030C

MP #: 30167
 Prep Date/Time (mm/dd/yy 24:00): 3/25/16 7:44
 HotBlock I.D. S
 Thermometer I.D. 204
 Correction Factor (°C) -1
 Temperature Observed/Corrected (°C) 96, 95

Volume
 Spk. Sol. ^A Used(ml) Pipette #
 ACC 938 0.50 10
 ACC 894 0.25 10
 MET 5361 0.25 10
 Dig. Tube Lot#: J220264-201

Added ^B: HNO₃ HCL
 Lot# 1115100 4115080

Sample #	Initial Volume(ml)	pH<2	Final Volume(ml)	Comments
Method Blank(MB)	50.0	N/A	50.0	
Spike Blank(SB)		N/A		
Matrix Spike(MS)		✓		
Matrix Spike Dup(MSD)		✓		
Duplicate(DUP)		✓		
1 QC ^C FA32364-4 ^D		✓		
2 ↓ 1 1		✓		
3 ↓ 2 3		✓		
4 ↓ 6 3		✓		
5 FA32320-1 16		✓		
6 ↓ 2 ↓		✓		
7 ↓ 3 ↓		✓		
8 FA32397-1 17		✓		
9 ↓ 2 17		✓		
10 FA32408-1 12		✓		
11 ↓ 2 ↓		✓		
12 ↓ 3 ↓		✓		
13 ↓ 1F 13		✓		
14 ↓ 2F ↓		✓		
15 ↓ 3F ↓		✓		
16 FA32429-16 1		✓		
17 FA32430-16 1		✓		
18 FA32528-1F 11		✓		
19 FA32434-1 1		*		* sample rec'd
20 ↓ 2 1		*		unpreserved. DB 3/25/16
21 ^E MB2A-3/21/16 NA		✓		
22 ^E				
23 ^E			3/25/16	
24 ^E	DB			

Analyst: [Signature] Date: 3/25/16
 QC Review: [Signature] Date: 3.25.16

A Used for SB, MS, MSD
 B For reagent volumes used consult SOP MET 103, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional matrix QC

7.3.1
7

5g
DRYSIEVE
~~DOD (MS)~~

MP #: 30325

Method of Digestion: SW846-3050B

Prep Date/Time (mm/dd/yy 24:00): 5/6/16 8:20 Spk. Sol. ^A Volume Used(ml) Pipette #
 HotBlock I.D. 6974CECW3279 ACC 93B 1.00-0.50* 10
 Thermometer I.D. 213 ACC 924 0.500-2-* 10
 Correction Factor (°C) -1 MET S377 0.50 10
 Temperature Observed/Corrected (°C) 92.91 Filter Lot#: *6 150928009
 Balance I.D. ADVPRO3 Dig. Tube Lot# 1504103
 Added ^B: H₂O₂ HNO₃ HCL PTFE Boiling Chips
 Lot# 157487 1115100

Sample #	Wt. g	Final Volume(ml)	Comments
Method Blank(MB)	5.00	100.0	
Spike Blank(SB)	5.00		
Matrix Spike(MS)	5.20		
Matrix Spike Dup(MSD)	5.16		
Duplicate(DUP)	5.10		
1 QC ^C FA32429-1 ^D	5.08		
2 D2- FA32429-1	5.06		
3	4	5.00	
4	7	5.22	
5	8	5.09	
6	13	5.10	
7	17	5.30	
8	18	5.00	
9	23	5.31	
10	26	5.24	
11	29	5.04	
12	32	5.17	
13 FA32430-1	5.03		
14	4	5.06	
15	7	5.28	
16	10	5.17	
17	11	5.03	
18			
19			
20			DB
21 ^E			
22 ^E			
23 ^E			
24 ^E			

Analyst: [Signature] Date: 5/6/16
 QC Review: [Signature] Date: 5-6-16

A Used for SB, MS, MSD.
 B For reagent volumes used consult SOP MET 104, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional Matrix QC

icpsoildigestionlog012010.xls

Rev 01/20/10 DM

* DB 5/6/16

7.3.2
7

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*e-Hardcopy 2.0
Automated Report*

Technical Report for

Gilbane Company

Fort Ord AFB, CA

07202.2001

SGS Accutest Job Number: FA37168

Sampling Date: 09/21/16



Report to:

Gilbane
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COsorio@GilbaneCo.com
ATTN: Peggy Cota

Total number of pages in report: 188



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Sue Bell 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001)
DoD ELAP (L-A-B L2229), CA (2937), TX (T104704404), PA (68-03573), VA (460177),
AK, AR, GA, KY, MA, NV, OK, UT, WA

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Test results relate only to samples analyzed.

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Sample Summary

Gilbane Company

Job No: FA37168

Fort Ord AFB, CA

Project No: 07202.2001

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
FA37168-1	09/21/16	10:48 LF	09/22/16	SO	Soil	33-01SC0000SO04
FA37168-4	09/21/16	12:14 LF	09/22/16	SO	Soil	33-01SC0000SO02
FA37168-7	09/21/16	12:20 LF	09/22/16	SO	Soil	33-01SC0000SO02Q
FA37168-8	09/21/16	08:55 LF	09/22/16	SO	Soil	33-01SC0000SO01
FA37168-11	09/21/16	10:03 LF	09/22/16	SO	Soil	33-01SC0000SO03
FA37168-14	09/21/16	07:18 LF	09/22/16	AQ	Equipment Blank	33-ER-01SC0000

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: FA37168
 Account: Gilbane Company
 Project: Fort Ord AFB, CA
 Collected: 09/21/16



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA37168-1	33-01SC0000SO04					
Lead		820	7.6	1.5	mg/kg	SW846 6010C
FA37168-4	33-01SC0000SO02					
Lead		628	7.9	1.6	mg/kg	SW846 6010C
FA37168-7	33-01SC0000SO02Q					
Lead		932	7.8	1.6	mg/kg	SW846 6010C
FA37168-8	33-01SC0000SO01					
Lead		309	1.9	0.39	mg/kg	SW846 6010C
FA37168-11	33-01SC0000SO03					
Lead		640	7.8	1.6	mg/kg	SW846 6010C
FA37168-14	33-ER-01SC0000					

No hits reported in this sample.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: 33-01SC0000SO04	Date Sampled: 09/21/16
Lab Sample ID: FA37168-1	Date Received: 09/22/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Fort Ord AFB, CA	

4.1
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	820	7.6	1.5	0.38	mg/kg	20	10/13/16	10/17/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13485

(2) Prep QC Batch: MP30974

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SC0000SO02	Date Sampled: 09/21/16
Lab Sample ID: FA37168-4	Date Received: 09/22/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Fort Ord AFB, CA	

4.2
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	628	7.9	1.6	0.39	mg/kg	20	10/13/16	10/17/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13485

(2) Prep QC Batch: MP30974

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SC0000SO02Q	Date Sampled: 09/21/16
Lab Sample ID: FA37168-7	Date Received: 09/22/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Fort Ord AFB, CA	

4.3
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	932	7.8	1.6	0.39	mg/kg	20	10/13/16	10/17/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13485

(2) Prep QC Batch: MP30974

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SC0000SO01	Date Sampled: 09/21/16
Lab Sample ID: FA37168-8	Date Received: 09/22/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Fort Ord AFB, CA	

4.4
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	309	1.9	0.39	0.097	mg/kg	5	10/13/16	10/14/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13481

(2) Prep QC Batch: MP30974

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SC0000SO03	Date Sampled: 09/21/16
Lab Sample ID: FA37168-11	Date Received: 09/22/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Fort Ord AFB, CA	

4.5
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	640	7.8	1.6	0.39	mg/kg	20	10/13/16	10/17/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13485

(2) Prep QC Batch: MP30974

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-ER-01SC0000	Date Sampled: 09/21/16
Lab Sample ID: FA37168-14	Date Received: 09/22/16
Matrix: AQ - Equipment Blank	Percent Solids: n/a
Project: Fort Ord AFB, CA	

4.6
4

Total Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.0 U	5.0	2.0	1.1	ug/l	1	09/26/16	09/26/16 LM	SW846 6010C ¹	SW846 3010A ²

- (1) Instrument QC Batch: MA13430
- (2) Prep QC Batch: MP30879

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection J = Indicates a result > = DL (MDL) but < LOQ


Misc. Forms**Custody Documents and Other Forms**

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 E.Middleditch@GilbaneCo.com

COC # **FA37168**


Project Name: Fort Ord	LDVHZLGH 5DQJH SVVHVP	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001		Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: -	5	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Analytical Test Method	SW6330B - Explosives	SW6010C - Lead	SW6330B - Explosives by ISM	SW6010C - Lead by ISM	Code Matrix
						SO SOIL
Equipment:						Code Container/Preservative
						2 2" TL amber, 4 degrees C
					1 1" 1.0-1.5 kilogram bag	
					13 1" 250ml poly, with HNO3	

Event ID: Basewide Range Assessment Spring 2016							2	13	1	1
Sample ID	Matrix	Date	Time	Samp Init.	Location ID	Sample Type	Depth (ft lbs)			
						Top	Bottom			
33-0100005004	SO	21-Sept-16	1048	LDF	33-01 Sept-out 4		0.0			
33-0100015004	SO	21-Sept-16	1103	LDF	33-01 Sept-out 4		10.0			
33-0100025004	SO	21-Sept-16	1125	LDF	33-01 Sept-out 4		2.0			
33-0100035002	SO	21-Sept-16	1214	LDF	33-01 Sept-out 2		0.0			
33-0100010002	SO	21-Sept-16	1225	LDF	33-01 Sept-out 2		10.0			
33-0100025002	SO	21-Sept-16	1240	LDF	33-01 Sept-out 2		10.0			
33-01300005002	SO	21-Sept-16	1336	LDF	33-01 Sept-out 2		0.0			
8										
9										

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	21-Sept-16	1530	FEDEX			
FEDEX			J. COLE (ASA)	9-22-16	07:30	
Received by Laboratory: (Signature, Date, Time) & condition						

ENV COC_Recd July 06, 2015

3.6 3.8

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CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC #

FA37168



Project Name: Fort Ord	D V H Z L G H 5 D O J H S V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001		Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - § 5 §		Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method	Code	Matrix
			SO	SOIL
			WQ	WATER QUALITY CONTROL MATRIX
			Code	Container/Preservative
			2	2" 1L amber, 4 degrees C
			1	1" 1.0-1.5 kilogram bag
			13	1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016									
Sample ID	Matrix	Date	Time	Samp Init.	Location ID	Sample Type	Depth (ft bgs)		
							Top	Bottom	
1 33-015C00005E01	SO	21-Sept-16	0855	LDF	33-015C00005E01		0.0		
2 33-015C00013001	SO	21-Sept-16	0930	LDF	33-015C00013001		0.0		
3 33-015C00025001	SO	21-Sept-16	0950	LDF	33-015C00025001		0.0		
4 33-015C0005003	SO	21-Sept-16	1003	LDF	33-015C0005003		0.0		
5 33-015C00085003	SO	21-Sept-16	1017	LDF	33-015C00085003		0.0		
6 33-015C00092503	SO	21-Sept-16	1038	LDF	33-015C00092503		0.0		
7									
8									
9									

Cooler # 2 Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	21-Sept-16	1530	FEDEX			
FEDEX			J. Corral (AR)	9-22-16	09:30	
						Received by Laboratory: (Signature, Date, Time) & condition

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CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # 1 - 0

FA37168



Project Name: Fort Ord	D V H Z L G H 5 D Q J H S V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001		Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code:	5 S	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Analytical Test Method	SW830B - Explosives	SW610C - Lead	SW830B - Explosives by ISM	SW610C - Lead by ISM	Code Matrix
						SO SOIL
Equipment:						Code Container/Preservative
						2 2" 1L amber, 4 degrees C
						1 1" 1.0-1.5 kilogram bag
						13 1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016							2	13	1	1
Sample ID	Matrix	Date	Time	Samp Init.	Location ID	Sample Type	Depth (ft bgs)			
							Top	Bottom		
1 32-ER-015-0322	WQ	21-Sept-16	0713	LDF	Equipment Area					
2										
3										
4										
5										
6										
7										
8										
9										

Cooler # 1 Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	21-Sept-16	1530	FEDEX			
FEDEX			J. Comel (AW)	9-21-16	07:30	
Received by Laboratory: (Signature, Date, Time) & condition						

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SGS ACCUTEST - ORLANDO SAMPLE RECEIPT CONFIRMATION

SGS ACCUTEST'S JOB NUMBER: FA37168 CLIENT: GILBANE PROJECT: FOLD DRD
 DATE/TIME RECEIVED: 9-23-16 09:30 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 2
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER DELIVERY OTHER: _____
 AIRBILL NUMBERS: 8104 1332 0622

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM _____ 5-GRAM _____
 NUMBER OF 5035 FIELD KITS ? _____
 NUMBER OF LAB FILTERED METALS ? _____

TEST STRIP LOT#s pH 0-3 230315 pH 10-12 219813A OTHER (specify) _____

SUMMARY OF COMMENTS: _____

TEMPERATURE INFORMATION

- IR THERM ID 1 CORR. FACTOR 0.1
- OBSERVED TEMPS: 10 4.2
- CORRECTED TEMPS: 3.6 3.8 (USED FOR LIMS)

SAMPLE INFORMATION

- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S). RECEIVED BROKEN
- 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- % SOLIDS JAR NOT RECEIVED
- RESIDUAL CHLORINE PRESENT LOT# _____

{APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

TECHNICIAN SIGNATURE/DATE [Signature] 9-23-16 REVIEWER SIGNATURE/DATE [Signature] 9-23-16

NF 02/16

receipt confirmation 020116.xls

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ORIGIN ID: MRYA (925) 946-3100
GILBANE FEDERAL

GRANT ST FL 12

RD. 7A 945202445
STATES US

SHIP DATE: 21SEP16
ACTWT: 18.20 LB
CAD: /POS1721
DIMS: 24x13x13 IN
BILL SENDER

0622 **MPLE RECEIVING**
09.22 **CUTEST LABORATORIES**
4405 VINELAND RD
STE C15
ORLANDO FL 32811

(407) 426-6700
REF: REPT:



1 of 2
TRK# 8104 1332 0622
0215
MASTER

THU - 22 SEP 10:30A
PRIORITY OVERNIGHT

XH TIXA

32811
FL-US MCO



ORIGIN ID: MRYA (925) 946-3100
GILBANE FEDERAL

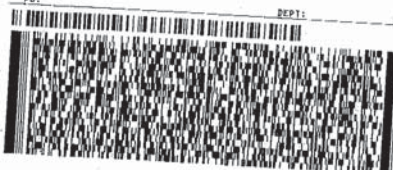
1655 GRANT ST FL 12

CONCORD, CA 945202445
UNITED STATES US

SHIP DATE: 21SEP16
ACTWT: 20.80 LB
CAD: /POS1721
DIMS: 18x13x10 IN
BILL SENDER

TO **SAMPLE RECEIVING**
ACCUTEST LABORATORIES
4405 VINELAND RD
STE C15
ORLANDO FL 32811

(407) 426-6700
REF: REPT:



2 of 2
MPS# 7841 5087 7653
0691
Mstr# 8104 1332 0622

THU - 22 SEP 10:30A
PRIORITY OVERNIGHT

XH TIXA

32811
FL-US MCO



5.1
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CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # 1 - 8



Project Name: Fort Ord	D V H Z L G H S D Q J H S V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001		Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - 5 5		Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW8330B - Explosives SW6010C - Lead SW8330B - Explosives by ISM SW6010C - Lead by ISM	Code Matrix
			SO SOIL
			WQ WATER QUALITY CONTROL MATRIX
			Code Container/Preservative
			2 2" 1L amber, 4 degrees C
			1 1" 1.0-1.5 kilogram bag
			13 1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016									
Sample ID	Matrix	Date	Time	Samp Init.	*	Location ID	Sample Type	Depth (ft bgs)	
								Top	Bottom
1 73-0100030004	SO	21-Sep-16	1048	LDF	X	33-01 Stop out 4		0.0	
2 73-0100010004	SO	21-Sep-16	1103	LDF	X	33-01 Stop out 4		10.5	Hold*
3 73-0100020004	SO	21-Sep-16	1125	LDF	X	33-01 Stop out 4		2.0	Hold*
4 73-0100030003	SO	21-Sep-16	1214	LDF	X	33-01 Stop out 2		0.0	
5 73-0100010002	SO	21-Sep-16	1225	LDF	X	33-01 Stop out 2		0.0	Hold*
6 73-0100020002	SO	21-Sep-16	1240	LDF	X	33-01 Stop out 2		0.0	Hold*
7 73-0100030002	SO	21-Sep-16	1250	LDF	X	33-01 Stop out 2		0.0	
8									
9									

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	21-Sep-16	1530	FEDEX			
FEDEX						

ENV/COC Record July 06, 2015

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CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # 1-8



Project Name: Fort Ord	EDVHZLGH	SDQJH	SVVHVP	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com			
WBS Code: -	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811			

Comments:	Equipment:	Analytical Test Method	SW8330B - Explosives	SW6010C - Lead	SW8330B - Explosives by ISM	SW6010C - Lead by ISM	Code Matrix
							SO SOIL
							Code Container/Preservative
							2 2" 1L amber, 4 degrees C
							1 1" 1.0-1.5 kilogram bag
							13 1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016										
Sample ID	Matrix	Date	Time	Samp Init.				Location ID	Sample Type	Depth (ft bgs) Top - Bottom
1 33-01500000000001	SO	21-Sep-16	0855	LDF			X	21-01-Step-out 1		1.0
2 33-01500000000002	SO	21-Sep-16	0930	LDF			X	21-01-Step-out 1		1.0
3 33-01500000000003	SO	21-Sep-16	0950	LDF			X	21-01-Step-out 1		1.0
4 33-01500000000003	SO	21-Sep-16	1003	LDF			X	21-01-Step-out 2		1.0
5 33-01500000000003	SO	21-Sep-16	1017	LDF			X	21-01-Step-out 2		1.0
6 33-01500000000003	SO	21-Sep-16	1038	LDF			X	21-01-Step-out 2		1.0
7										
8										
9										

Hold*
Hold*
Hold*
Hold*

PH: gilbane 9/22/16

Cooler #	Turnaround Time: 14 Days					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	21-Sep-16	1530	FEDEX			
<i>[Signature]</i>						
Received by Laboratory: (Signature, Date, Time) & condition						

SNV COC Record July 06, 2015

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CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # 1 - 8



Project Name: Fort Ord	L D V H Z L G H S D Q J H S V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001		Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - 1 5 5		Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW8330B - Explosives SW8010C - Lead SW8330B - Explosives by ISM SW8010C - Lead by ISM	Code Matrix
			SO SOIL
			WQ WATER QUALITY CONTROL MATRIX
			Code Containers/Preservative
			2 2" 1L amber, 4 degrees C
			1 1" 1.0-1.5 kilogram bag
			13 1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016									
Sample ID	Matrix	Date	Time	Samp Init.			Location ID	Sample Type	Depth (ft bgs) Top - Bottom
1	WQ	21-Sep-16	2719	LPF	Y		Equipment Rinse		
2									
3									
4									
5									
6									
7									
8									
9									

Cooler # 1 Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	21-Sep-16	1530	<i>[Signature]</i>			
FEDEX						

ENV.COC_Record
July 06, 2015

Page 1 of 3

5.1
5

QC Evaluation: DOD QSM5 Limits

Job Number: FA37168
 Account: Gilbane Company
 Project: Fort Ord AFB, CA
 Collected: 09/21/16

QC Sample ID	CAS#	Analyte	Sample Result Type	Result Type	Result	Units	Limits
MP30879 SW846 6010C							
MP30879-B1	7439-92-1	Lead	BSP	REC	102.2	%	86-113
MP30879-S1*	7439-92-1	Lead	MS	REC	100	%	86-113
MP30879-S2*	7439-92-1	Lead	MSD	REC	102.2	%	86-113
MP30879-S2*	7439-92-1	Lead	MSD	RPD	2.2	%	20
MP30879-D1*	7439-92-1	Lead	DUP	RPD	0	%	20
MP30974 SW846 6010C							
MP30974-B1	7439-92-1	Lead	BSP	REC	105	%	81-112
MP30974-S1	7439-92-1	Lead	MS	REC	408.8 ^a	%	81-112
MP30974-S2	7439-92-1	Lead	MSD	REC	-701.8 ^a	%	81-112
MP30974-S2	7439-92-1	Lead	MSD	RPD	6.6	%	20
MP30974-D1	7439-92-1	Lead	DUP	RPD	2.2	%	20
MP30974-D2	7439-92-1	Lead	DUP	RPD	5	%	20

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

* Sample used for QC is not from job FA37168

5.2
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Metals Analysis

9

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA37168
Account: ITSICOL - Gilbane Company
Project: Fort Ord AFB, CA

File ID: SB092616M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 09/26/16 Methods: SW846 6010C
Run ID: MA13430

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:51	MA13430-STD1	1		STDA
08:56	MA13430-STD2	1		STDB
09:00	MA13430-STD3	1		STDC
09:04	MA13430-STD4	1		STDD
09:08	MA13430-HSTD1	1		
09:15	MA13430-ICV1	1		
09:22	MA13430-ICB1	1		
09:26	MA13430-CR1A1	1		
09:32	MA13430-ICSA1	1		
09:38	MA13430-ICSAB1	1		
09:46	MA13430-CCV1	1		
09:54	MA13430-CCB1	1		
09:58	MP30873-MB1	1		
10:02	MP30873-B1	1		
10:06	FA37132-1	1		(sample used for QC only; not part of login FA37168)
10:10	MP30873-D1	1		
10:14	MP30873-SD1	5		
10:19	MP30873-PS1	1		
10:23	MP30873-S1	1		
10:27	MP30873-S2	1		
10:30	ZZZZZZ	1		
10:35	ZZZZZZ	1		
10:39	MA13430-CCV2	1		
10:43	MA13430-CCB2	1		
10:47	ZZZZZZ	1		
10:51	ZZZZZZ	1		
11:00	ZZZZZZ	1		
11:04	ZZZZZZ	1		
11:08	ZZZZZZ	1		
11:12	ZZZZZZ	1		
11:29	MA13430-CCV3	1		
11:33	MA13430-CCB3	1		
11:46	ZZZZZZ	1		

6.1
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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA37168
Account: ITSICOL - Gilbane Company
Project: Fort Ord AFB, CA

File ID: SB092616M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 09/26/16 Methods: SW846 6010C
Run ID: MA13430

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:50	ZZZZZZ	1		
11:54	ZZZZZZ	1		
12:03	MA13430-CCV4	1		
12:07	MA13430-CCB4	1		
12:17	MP30865-S1	2		
12:21	MP30865-S2	2		
12:30	ZZZZZZ	20		
12:34	ZZZZZZ	10		
12:38	ZZZZZZ	5		
12:42	ZZZZZZ	2		
12:46	ZZZZZZ	4		
12:51	MA13430-CCV5	1		
12:55	MA13430-CCB5	1		
13:38	MA13430-ICV2	1		
13:47	MA13430-CCV6	1		
13:55	MA13430-CCB6	1		
14:06	MP30879-MB1	1		
14:10	MP30879-B1	1		
14:14	FA37181-2F	1		(sample used for QC only; not part of login FA37168)
14:19	MP30879-D1	1		
14:23	MP30879-SD1	5		
14:27	MP30879-PS1	1		
14:31	MP30879-S1	1		
14:35	MP30879-S2	1		
14:40	ZZZZZZ	1		
14:44	ZZZZZZ	1		
14:48	MA13430-CCV7	1		
14:52	MA13430-CCB7	1		
14:56	ZZZZZZ	1		
15:00	ZZZZZZ	1		
15:04	ZZZZZZ	1		
15:08	ZZZZZZ	1		
15:13	ZZZZZZ	1		

6.1
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA37168
Account: ITSICOL - Gilbane Company
Project: Fort Ord AFB, CA

File ID: SB092616M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 09/26/16
Run ID: MA13430
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:17	ZZZZZZ	1		
15:21	ZZZZZZ	4		
15:25	ZZZZZZ	2		
15:29	ZZZZZZ	2		
15:33	ZZZZZZ	1		
15:38	MA13430-CCV8	1		
15:42	MA13430-CCB8	1		
15:46	ZZZZZZ	1		
15:50	ZZZZZZ	1		
15:58	ZZZZZZ	2		
16:03	ZZZZZZ	2		
16:07	ZZZZZZ	1		
16:11	FA37168-14	1		
----->	Last reportable sample/prep for job FA37168			
16:27	MA13430-CCV9	1		
16:32	MA13430-CCB9	1		
17:17	MA13430-CCV10	1		
17:21	MA13430-CCB10	1		
17:42	MA13430-CRIA2	1		
17:46	MA13430-ICSA2	1		
17:50	MA13430-ICSAB2	1		
17:55	MA13430-CCV11	1		
17:59	MA13430-CCB11	1		
----->	Last reportable CCB for job FA37168			
	Refer to raw data for calibration curve and standards.			

6.1
9

INTERNAL STANDARD SUMMARY

Login Number: FA37168
 Account: ITSICOL - Gilbane Company
 Project: Fort Ord AFB, CA

File ID: SB092616M1.ICP
 Analyst: LM
 Parameters: Pb

Date Analyzed: 09/26/16
 Run ID: MA13430
 Methods: SW846 6010C

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:51	MA13430-STD1	7770	56744	8597	2824
08:56	MA13430-STD2	7718	56138	8656	2651
09:00	MA13430-STD3	7423	53258	8573	2398
09:04	MA13430-STD4	7111	50993	8424	2224
09:08	MA13430-HSTD1	7119	50937	8407	2223
09:15	MA13430-ICV1	7413	53630	8501	2392
09:22	MA13430-ICB1	7719 R	56464 R	8581 R	2805 R
09:26	MA13430-CRIA1	7672	55674	8593	2691
09:32	MA13430-ICSA1	6708	46732	8027	2010
09:38	MA13430-ICSAB1	6690	47077	8089	1992
09:46	MA13430-CCV1	7404	53062	8471	2397
09:54	MA13430-CCB1	7653	55970	8416	2775
09:58	MP30873-MB1	7503	55162	8296	2709
10:02	MP30873-B1	7272	52159	8166	2417
10:06	FA37132-1	7153	51446	8215	2445
10:10	MP30873-D1	7161	51461	8165	2449
10:14	MP30873-SD1	7555	54268	8349	2652
10:19	MP30873-PS1	7162	51497	8105	2402
10:23	MP30873-S1	7192	51359	8205	2303
10:27	MP30873-S2	7225	51701	8195	2324
10:30	ZZZZZZ	7153	52189	8243	2437
10:35	ZZZZZZ	7053	50613	8119	2366
10:39	MA13430-CCV2	7387	52672	8417	2386
10:43	MA13430-CCB2	7647	55413	8371	2760
10:47	ZZZZZZ	7141	50863	8200	2387
10:51	ZZZZZZ	7168	51442	8113	2427
11:00	ZZZZZZ	7324	53094	8243	2541
11:04	ZZZZZZ	7171	51437	8106	2432
11:08	ZZZZZZ	6701	45808	8029	1919
11:12	ZZZZZZ	7241	49921	7972	2280
11:29	MA13430-CCV3	7345	51561	8198	2354
11:33	MA13430-CCB3	7631	54536	8195	2739
11:46	ZZZZZZ	7497	53581	8407	2481

6.1.1
6

INTERNAL STANDARD SUMMARY

Login Number: FA37168
 Account: ITSICOL - Gilbane Company
 Project: Fort Ord AFB, CA

File ID: SB092616M1.ICP
 Analyst: LM
 Parameters: Pb

Date Analyzed: 09/26/16 Methods: SW846 6010C
 Run ID: MA13430

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:50	ZZZZZZ	7362	52303	8026	2489
11:54	ZZZZZZ	7102	50308	7935	2396
12:03	MA13430-CCV4	7350	51391	8183	2350
12:07	MA13430-CCB4	7640	54623	8302	2740
12:17	MP30865-S1	7260	51413	7984	2396
12:21	MP30865-S2	7265	51516	8063	2404
12:30	ZZZZZZ	7555	53961	8261	2662
12:34	ZZZZZZ	7265	51942	8252	2330
12:38	ZZZZZZ	7456	53748	8368	2476
12:42	ZZZZZZ	7413	53241	8002	2670
12:46	ZZZZZZ	5715	39266	7423	1746
12:51	MA13430-CCV5	7314	51368	8169	2346
12:55	MA13430-CCB5	7613	54814	8237	2726
13:38	MA13430-ICV2	7262	51679	8113	2323
13:47	MA13430-CCV6	7301	51057	8090	2337
13:55	MA13430-CCB6	7599	54444	8141	2732
14:06	MP30879-MB1	7389	53065	7862	2650
14:10	MP30879-B1	7141	50550	7843	2356
14:14	FA37181-2F	7124	50827	7792	2426
14:19	MP30879-D1	7135	51312	7788	2432
14:23	MP30879-SD1	7542	54424	8062	2663
14:27	MP30879-PS1	7204	51724	7913	2410
14:31	MP30879-S1	7167	51356	7895	2314
14:35	MP30879-S2	7148	51019	7836	2303
14:40	ZZZZZZ	7099	51208	7868	2383
14:44	ZZZZZZ	7085	51120	7859	2388
14:48	MA13430-CCV7	7341	53103	8167	2381
14:52	MA13430-CCB7	7658	56675	8285	2799
14:56	ZZZZZZ	7023	51684	7983	2389
15:00	ZZZZZZ	6966	51723	7878	2367
15:04	ZZZZZZ	7080	52069	7912	2421
15:08	ZZZZZZ	6941	51219	7864	2357
15:13	ZZZZZZ	7176	53293	7974	2506

6.1.1
6

INTERNAL STANDARD SUMMARY

Login Number: FA37168
 Account: ITSICOL - Gilbane Company
 Project: Fort Ord AFB, CA

File ID: SB092616M1.ICP
 Analyst: LM
 Parameters: Pb

Date Analyzed: 09/26/16
 Run ID: MA13430
 Methods: SW846 6010C

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:17	ZZZZZZ	7144	52890	7921	2531
15:21	ZZZZZZ	7384	54812	8197	2610
15:25	ZZZZZZ	6795	50177	7813	2274
15:29	ZZZZZZ	7025	51961	7956	2404
15:33	ZZZZZZ	7136	53190	7974	2495
15:38	MA13430-CCV8	7327	53311	8161	2404
15:42	MA13430-CCB8	7632	56385	8251	2798
15:46	ZZZZZZ	7008	51282	7833	2416
15:50	ZZZZZZ	7166	52990	7921	2513
15:58	ZZZZZZ	7058	51542	7908	2399
16:03	ZZZZZZ	No results reported for the elements associated with this internal standard.			
16:07	ZZZZZZ	No results reported for the elements associated with this internal standard.			
16:11	FA37168-14	7308	53910	8032	2558
16:27	MA13430-CCV9	7363	52988	8119	2397
16:32	MA13430-CCB9	7664	56423	8141	2792
17:17	MA13430-CCV10	7347	52829	8039	2387
17:21	MA13430-CCB10	7634	56198	8103	2792
17:42	MA13430-CRIA2	7582	55967	8116	2698
17:46	MA13430-ICSA2	6610	47476	7719	2023
17:50	MA13430-ICSAB2	6602	47427	7691	2002
17:55	MA13430-CCV11	7327	53548	8096	2413
17:59	MA13430-CCB11	7618	56728	8117	2807

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.1.1
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA37168
 Account: ITSICOL - Gilbane Company
 Project: Fort Ord AFB, CA

File ID: SB092616M1.ICP
 QC Limits: result < RL

Date Analyzed: 09/26/16
 Run ID: MA13430

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	09:22 ICB1		09:54 CCB1		10:43 CCB2		11:33 CCB3	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14	anr							
Antimony		6.0	1	anr							
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2	anr							
Cadmium		5.0	.2	anr							
Calcium		1000	50	anr							
Chromium		10	1	anr							
Cobalt		50	.2	anr							
Copper		25	1	anr							
Iron		300	17	anr							
Lead		5.0	1	0.20	<5.0	0.80	<5.0	0.60	<5.0	0.0	<5.0
Magnesium		5000	35	anr							
Manganese		15	.5	anr							
Molybdenum		50	.3	anr							
Nickel		40	.4	anr							
Potassium		10000	200	anr							
Selenium		10	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500	anr							
Strontium		10	.5	anr							
Thallium		10	1.1	anr							
Tin		50	.9	anr							
Titanium		10	.5	anr							
Vanadium		50	.5	anr							
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA37168
 Account: ITSICOL - Gilbane Company
 Project: Fort Ord AFB, CA

File ID: SB092616M1.ICP
 QC Limits: result < RL

Date Analyzed: 09/26/16
 Run ID: MA13430

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		12:07		12:55		13:55		14:52		
	Sample ID:	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum		200	14								
Antimony		6.0	1	anr							
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2	anr							
Cadmium		5.0	.2	anr							
Calcium		1000	50								
Chromium		10	1	anr							
Cobalt		50	.2	anr							
Copper		25	1	anr							
Iron		300	17								
Lead		5.0	1	0.10	<5.0	-0.10	<5.0	-0.30	<5.0	-0.80	<5.0
Magnesium		5000	35								
Manganese		15	.5	anr							
Molybdenum		50	.3	anr							
Nickel		40	.4	anr							
Potassium		10000	200								
Selenium		10	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500	anr							
Strontium		10	.5								
Thallium		10	1.1	anr							
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5	anr							
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA37168
 Account: ITSICOL - Gilbane Company
 Project: Fort Ord AFB, CA

File ID: SB092616M1.ICP
 QC Limits: result < RL

Date Analyzed: 09/26/16
 Run ID: MA13430

Methods: SW846 6010C
 Units: ug/l

Metal	RL	IDL	Time:							
			Sample ID:	15:42	16:32	17:21	17:59			
			CCB8	CCB9	CCB10	CCB11				
			raw	final	raw	final	raw	final	raw	final
Aluminum	200	14								
Antimony	6.0	1	anr							
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2	anr							
Cadmium	5.0	.2	anr							
Calcium	1000	50								
Chromium	10	1	anr							
Cobalt	50	.2	anr							
Copper	25	1	anr							
Iron	300	17								
Lead	5.0	1	-0.20	<5.0	-0.70	<5.0	-0.20	<5.0	-0.90	<5.0
Magnesium	5000	35								
Manganese	15	.5	anr							
Molybdenum	50	.3	anr							
Nickel	40	.4	anr							
Potassium	10000	200								
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.1	anr							
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA37168
Account: ITSICOL - Gilbane Company
Project: Fort Ord AFB, CA

File ID: SB092616M1.ICP
QC Limits: 90 to 110 % Recovery

Date Analyzed: 09/26/16
Run ID: MA13430

Methods: SW846 6010C
Units: ug/l

Metal	Time: Sample ID: ICV	09:15		CCV True	09:46		CCV True	10:39	
		ICV1 Results	% Rec		CCV1 Results	% Rec		CCV2 Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	1970	98.5	2000	2000	100.0	2000	2010	100.5
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium	anr								
Thallium	anr								
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA37168
Account: ITSICOL - Gilbane Company
Project: Fort Ord AFB, CA

File ID: SB092616M1.ICP
QC Limits: 90 to 110 % Recovery

Date Analyzed: 09/26/16
Run ID: MA13430

Methods: SW846 6010C
Units: ug/l

Metal	Sample ID	Time: CCV	11:29 CCV3		12:03 CCV4		12:51 CCV5		
			Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron									
Lead	2000	2040	102.0	2000	2050	102.5	2000	2040	102.0
Magnesium									
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA37168
Account: ITSICOL - Gilbane Company
Project: Fort Ord AFB, CA

File ID: SB092616M1.ICP
QC Limits: 90 to 110 % Recovery

Date Analyzed: 09/26/16
Run ID: MA13430

Methods: SW846 6010C
Units: ug/l

Metal	Time:		13:38		13:47		14:48			
	Sample ID:	ICV	ICV2	Results	CCV	CCV6	CCV	CCV7		
	True		Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum										
Antimony	anr									
Arsenic	anr									
Barium	anr									
Beryllium	anr									
Cadmium	anr									
Calcium										
Chromium	anr									
Cobalt	anr									
Copper	anr									
Iron										
Lead	2000	1960	1960	98.0	2000	1980	99.0	2000	1950	97.5
Magnesium										
Manganese	anr									
Molybdenum	anr									
Nickel	anr									
Potassium										
Selenium	anr									
Silver	anr									
Sodium	anr									
Strontium										
Thallium	anr									
Tin										
Titanium										
Vanadium	anr									
Zinc	anr									

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA37168
Account: ITSICOL - Gilbane Company
Project: Fort Ord AFB, CA

File ID: SB092616M1.ICP
QC Limits: 90 to 110 % Recovery

Date Analyzed: 09/26/16
Run ID: MA13430

Methods: SW846 6010C
Units: ug/l

Metal	Sample ID	Time: CCV	15:38 CCV8		16:27 CCV9		17:17 CCV10			
			Results	% Rec	Results	% Rec	Results	% Rec		
Aluminum										
Antimony	anr									
Arsenic	anr									
Barium	anr									
Beryllium	anr									
Cadmium	anr									
Calcium										
Chromium	anr									
Cobalt	anr									
Copper	anr									
Iron										
Lead	2000		1920	96.0	2000	1940	97.0	2000	1940	97.0
Magnesium										
Manganese	anr									
Molybdenum	anr									
Nickel	anr									
Potassium										
Selenium	anr									
Silver	anr									
Sodium	anr									
Strontium										
Thallium	anr									
Tin										
Titanium										
Vanadium	anr									
Zinc	anr									

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA37168
Account: ITSICOL - Gilbane Company
Project: Fort Ord AFB, CA

File ID: SB092616M1.ICP
QC Limits: 90 to 110 % Recovery

Date Analyzed: 09/26/16
Run ID: MA13430

Methods: SW846 6010C
Units: ug/l

Time:	17:55		
Sample ID:	CCV	CCV11	
Metal	True	Results	% Rec

Aluminum			
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium			
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron			
Lead	2000	1910	95.5
Magnesium			
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium			
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA37168
 Account: ITSICOL - Gilbane Company
 Project: Fort Ord AFB, CA

File ID: SB092616M1.ICP
 QC Limits: 95 to 105 % Recovery

Date Analyzed: 09/26/16
 Run ID: MA13430

Methods: SW846 6010C
 Units: ug/l

Time:	09:08		
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	4000	4030	100.8
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium	anr		
Thallium	anr		
Tin	anr		
Titanium	anr		
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA37168
 Account: ITSICOL - Gilbane Company
 Project: Fort Ord AFB, CA

File ID: SB092616M1.ICP Date Analyzed: 09/26/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13430 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	09:26 CRIA1 Results	% Rec	17:42 CRIA2 Results	% Rec
Metal						
Aluminum	400	200	anr			
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	5.6	112.0	3.7	74.0
Magnesium	10000	5000	anr			
Manganese	30	15	anr			
Molybdenum	100	50	anr			
Nickel	80	40	anr			
Potassium	20000	10000	anr			
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10	anr			
Thallium	20	10	anr			
Tin	100	50	anr			
Titanium	20	10	anr			
Vanadium	100	50	anr			
Zinc	40	20	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA37168
Account: ITSICOL - Gilbane Company
Project: Fort Ord AFB, CA

File ID: SB092616M1.ICP
QC Limits: 80 to 120 % Recovery

Date Analyzed: 09/26/16
Run ID: MA13430

Methods: SW846 6010C
Units: ug/l

Time:	ICSA	ICSAB	09:32		09:38		17:46		17:50	
Sample ID:	True	True	ICSAB1	% Rec	ICSAB1	% Rec	ICSAB2	% Rec	ICSAB2	% Rec
Metal			Results		Results		Results		Results	
Aluminum	500000	500000	514000	102.8	517000	103.4	500000	100.0	507000	101.4
Antimony		1000	-1.7		1060	106.0	2.2		1010	101.0
Arsenic		1000	-0.80		1130	113.0	0.30		1040	104.0
Barium		500	0.0		540	108.0	0.80		528	105.6
Beryllium		500	-0.10		513	102.6	0.0		474	94.8
Cadmium		1000	0.60		987	98.7	0.40		1000	100.0
Calcium	500000	500000	492000	98.4	495000	99.0	473000	94.6	481000	96.2
Chromium		500	0.10		522	104.4	0.30		505	101.0
Cobalt		500	0.70		493	98.6	0.90		497	99.4
Copper		500	0.40		542	108.4	-1.7		481	96.2
Iron	200000	200000	188000	94.0	186000	93.0	171000	85.5	168000	84.0
Lead		1000	-0.20		1030	103.0	-2.2		980	98.0
Magnesium	500000	500000	520000	104.0	527000	105.4	536000	107.2	539000	107.8
Manganese		500	-0.60		526	105.2	-0.90		462	92.4
Molybdenum		1000	0.0		991	99.1	-0.10		956	95.6
Nickel		1000	0.80		991	99.1	1.3		927	92.7
Potassium			206		171		125		14.6	
Selenium		1000	-0.80		1070	107.0	-0.70		989	98.9
Silver		1000	-0.20		934	93.4	-0.80		933	93.3
Sodium			239		186		144		76.9	
Strontium		1000	-0.30		1030	103.0	-2.0		944	94.4
Thallium		1000	0.0		1030	103.0	0.10		984	98.4
Tin		1000	2.4		967	96.7	3.2		1030	103.0
Titanium		1000	0.80		1050	105.0	1.1		942	94.2
Vanadium		500	0.0		473	94.6	0.70		475	95.0
Zinc		1000	-0.30		989	98.9	1.2		990	99.0

(*) Outside of QC limits
(anr) Analyte not requested

6.1.6
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA37168
Account: ITSICOL - Gilbane Company
Project: Fort Ord AFB, CA

File ID: SA101416M1.ICP Date Analyzed: 10/14/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13481
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:54	MA13481-STD1	1		STDA
08:58	MA13481-STD2	1		STDB
09:02	MA13481-STD3	1		STDC
09:05	MA13481-STD4	1		STDD
09:09	MA13481-HSTD1	1		
09:16	MA13481-ICV1	1		
09:21	MA13481-ICB1	1		
09:26	MA13481-CR1A1	1		
09:30	MA13481-ICSA1	1		
09:36	MA13481-ICSAB1	1		
09:42	MA13481-CCV1	1		
09:49	MA13481-CCB1	1		
09:54	MP30974-MB1	5		
09:59	MP30974-B1	5		
10:38	MA13481-CCV2	1		
10:42	MA13481-CCB2	1		
10:51	FA37168-8	5		
----->	Last reportable sample/prep for job FA37168			
10:59	MP30975-MB1	1		
11:04	MP30975-B1	1		
11:08	FA37211-27	5		(sample used for QC only; not part of login FA37168)
11:13	MP30975-D1	5		
11:17	MP30975-SD1	25		
11:22	MP30975-PS1	5		
11:26	MP30975-S1	5		
11:30	MA13481-CCV3	1		
11:35	MA13481-CCB3	1		
----->	Last reportable CCB for job FA37168			
11:39	MP30975-S2	5		
11:44	MP30975-D2	5		
11:48	ZZZZZ	5		
11:53	ZZZZZ	5		
11:57	ZZZZZ	5		
12:01	ZZZZZ	5		
12:06	ZZZZZ	5		

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA37168
Account: ITSICOL - Gilbane Company
Project: Fort Ord AFB, CA

File ID: SA101416M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 10/14/16 Methods: SW846 6010C
Run ID: MA13481

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:10	ZZZZZZ	5		
12:14	ZZZZZZ	5		
12:19	ZZZZZZ	5		
12:23	MA13481-CCV4	1		
12:27	MA13481-CCB4	1		
12:32	ZZZZZZ	5		
12:36	ZZZZZZ	5		
12:41	ZZZZZZ	5		
12:45	MP30976-MB1	1		
12:50	MP30976-B1	1		
12:54	FA37615-7	1		(sample used for QC only; not part of login FA37168)
12:58	MP30976-D1	1		
13:03	MP30976-SD1	5		
13:07	MP30976-PS1	1		
13:12	MP30976-S1	1		
13:17	MA13481-CCV5	1		
13:21	MA13481-CCB5	1		
13:25	MP30976-S2	1		
13:30	ZZZZZZ	1		
13:34	ZZZZZZ	1		
13:39	ZZZZZZ	1		
13:44	ZZZZZZ	1		
13:48	ZZZZZZ	1		
13:54	MA13481-CCV6	1		
13:58	MA13481-CCB6	1		
14:28	MA13481-CCV7	1		
14:33	MA13481-CCB7	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA37168
 Account: ITSICOL - Gilbane Company
 Project: Fort Ord AFB, CA

File ID: SA101416M1.ICP
 Analyst: LM
 Parameters: Pb

Date Analyzed: 10/14/16 Methods: SW846 6010C
 Run ID: MA13481

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:54	MA13481-STD1	4942	46556	5732	2358
08:58	MA13481-STD2	4883	45842	5739	2237
09:02	MA13481-STD3	4654	44063	5665	2021
09:05	MA13481-STD4	4438	42503	5636	1864
09:09	MA13481-HSTD1	4459	42503	5657	1874
09:16	MA13481-ICV1	4639	44037	5735	2038
09:21	MA13481-ICB1	4838 R	46630 R	5867 R	2363 R
09:26	MA13481-CR1A1	4759	45583	5837	2290
09:30	MA13481-ICSA1	4178	40140	5558	1721
09:36	MA13481-ICSAB1	4174	39898	5474	1690
09:42	MA13481-CCV1	4544	43773	5809	2031
09:49	MA13481-CCB1	4786	46736	5917	2367
09:54	MP30974-MB1	4770	46490	5872	2346
09:59	MP30974-B1	4713	45991	5836	2266
10:38	MA13481-CCV2	4587	43815	5780	2040
10:42	MA13481-CCB2	4778	46328	5851	2368
10:51	FA37168-8	4768	46383	5922	2251
10:59	MP30975-MB1	4735	46731	5854	2358
11:04	MP30975-B1	4599	44585	5729	2127
11:08	FA37211-27	4910	48052	6224	2138
11:13	MP30975-D1	4903	47948	6233	2149
11:17	MP30975-SD1	4840	46996	6029	2303
11:22	MP30975-PS1	4913	47612	6161	2133
11:26	MP30975-S1	4858	47230	6128	2134
11:30	MA13481-CCV3	4557	44217	5895	2043
11:35	MA13481-CCB3	4813	46795	5915	2384
11:39	MP30975-S2	4902	47283	6158	2115
11:44	MP30975-D2	4945	47725	6206	2143
11:48	ZZZZZZ	4856	47372	6195	2164
11:53	ZZZZZZ	4881	47537	6206	2180
11:57	ZZZZZZ	4887	47643	6081	2258
12:01	ZZZZZZ	4914	47058	6083	2233
12:06	ZZZZZZ	4904	47731	6089	2238

INTERNAL STANDARD SUMMARY

Login Number: FA37168
 Account: ITSICOL - Gilbane Company
 Project: Fort Ord AFB, CA

File ID: SA101416M1.ICP
 Analyst: LM
 Parameters: Pb

Date Analyzed: 10/14/16 Methods: SW846 6010C
 Run ID: MA13481

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:10	ZZZZZZ	4880	47435	6132	2238
12:14	ZZZZZZ	4898	47762	6125	2237
12:19	ZZZZZZ	4963	48146	6114	2283
12:23	MA13481-CCV4	4575	44261	5807	2043
12:27	MA13481-CCB4	4805	46770	5885	2377
12:32	ZZZZZZ	4913	48125	6198	2272
12:36	ZZZZZZ	4897	48194	6255	2280
12:41	ZZZZZZ	4901	47954	6191	2299
12:45	MP30976-MB1	4728	46805	5939	2346
12:50	MP30976-B1	4560	44498	5829	2112
12:54	FA37615-7	4296	41747	5675	1978
12:58	MP30976-D1	4299	41770	5679	1979
13:03	MP30976-SD1	4613	44774	5884	2206
13:07	MP30976-PS1	4322	42118	5738	1966
13:12	MP30976-S1	4334	42184	5715	1914
13:17	MA13481-CCV5	4546	43903	5900	2037
13:21	MA13481-CCB5	4780	46723	5954	2364
13:25	MP30976-S2	4325	42070	5642	1904
13:30	ZZZZZZ	4450	42105	5726	2030
13:34	ZZZZZZ	4097	39211	5582	1762
13:39	ZZZZZZ	4303	41800	5699	1975
13:44	ZZZZZZ	4545	44575	5799	2149
13:48	ZZZZZZ	4569	44394	5800	2150
13:54	MA13481-CCV6	4612	44452	5824	2050
13:58	MA13481-CCB6	4810	46697	5927	2369
14:28	MA13481-CCV7	4609	44502	5804	2047
14:33	MA13481-CCB7	4841	46847	5911	2369

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.2.1
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA37168
 Account: ITSICOL - Gilbane Company
 Project: Fort Ord AFB, CA

File ID: SA101416M1.ICP
 QC Limits: result < RL

Date Analyzed: 10/14/16
 Run ID: MA13481

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		09:21		09:49		10:42		11:35	
	Sample ID:	RL	ICB1	IDL	CCB1	final	CCB2	final	CCB3	final
Aluminum		200		14						
Antimony		20	anr							
Arsenic		10	anr	1.3						
Barium		200		1						
Beryllium		5.0		.2						
Cadmium		4.0		.2						
Calcium		5000		50						
Chromium		10		1						
Cobalt		50		.2						
Copper		25	anr	1						
Iron		300		17						
Lead		20	0.0	1	<20	-0.10	<20	-0.30	<20	-0.50
Magnesium		5000		35						
Manganese		15	anr	.5						
Molybdenum		50		.3						
Nickel		40		.4						
Potassium		10000		200						
Selenium		20		2.4						
Silver		10		.7						
Sodium		10000		500						
Strontium		10		.5						
Thallium		10		1.1						
Tin		50		.9						
Titanium		10		.5						
Vanadium		50		.5						
Zinc		20		3						

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA37168
Account: ITSICOL - Gilbane Company
Project: Fort Ord AFB, CA

File ID: SA101416M1.ICP
QC Limits: 90 to 110 % Recovery

Date Analyzed: 10/14/16
Run ID: MA13481

Methods: SW846 6010C
Units: ug/l

Metal	Time:		09:16		09:42		10:38				
	Sample ID:	ICV	ICV1	Results	CCV	CCV1	Results	CCV	CCV2	Results	% Rec
Aluminum											
Antimony	anr										
Arsenic	anr										
Barium											
Beryllium											
Cadmium											
Calcium											
Chromium											
Cobalt											
Copper	anr										
Iron											
Lead	2000	1990	99.5	2000	1990	99.5	2000	2000	100.0		
Magnesium											
Manganese	anr										
Molybdenum											
Nickel											
Potassium											
Selenium											
Silver											
Sodium											
Strontium											
Thallium											
Tin											
Titanium											
Vanadium											
Zinc											

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA37168
Account: ITSICOL - Gilbane Company
Project: Fort Ord AFB, CA

File ID: SA101416M1.ICP
QC Limits: 90 to 110 % Recovery

Date Analyzed: 10/14/16
Run ID: MA13481

Methods: SW846 6010C
Units: ug/l

	Time:		11:30	
	Sample ID:	CCV	CCV3	
Metal	True		Results	% Rec

Aluminum			
Antimony	anr		
Arsenic	anr		
Barium			
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper	anr		
Iron			
Lead	2000	1990	99.5
Magnesium			
Manganese	anr		
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA37168
 Account: ITSICOL - Gilbane Company
 Project: Fort Ord AFB, CA

File ID: SA101416M1.ICP
 QC Limits: 95 to 105 % Recovery

Date Analyzed: 10/14/16
 Run ID: MA13481

Methods: SW846 6010C
 Units: ug/l

Time:	09:09	
Sample ID:	HSTD	HSTD1
Metal	True	Results % Rec

Aluminum			
Antimony	anr		
Arsenic	anr		
Barium			
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper	anr		
Iron			
Lead	4000	4050	101.3
Magnesium			
Manganese	anr		
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA37168
 Account: ITSICOL - Gilbane Company
 Project: Fort Ord AFB, CA

File ID: SA101416M1.ICP Date Analyzed: 10/14/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13481 Units: ug/l

Time:	CRI	CRIA	09:26	
Sample ID:	True	True	CRIAl	
Metal	True	True	Results	% Rec
Aluminum	400	200		
Antimony	10	5.0	anr	
Arsenic	20	10	anr	
Barium	400	200		
Beryllium	10	5.0		
Cadmium	10	5.0		
Calcium	2000	1000		
Chromium	20	10		
Cobalt	100	50		
Copper	50	25	anr	
Iron	600	300		
Lead	10	5.0	4.7	94.0
Magnesium	10000	5000		
Manganese	30	15	anr	
Molybdenum	100	50		
Nickel	80	40		
Potassium	20000	10000		
Selenium	20	10		
Silver	20	10		
Sodium	20000	10000		
Strontium	20	10		
Thallium	20	10		
Tin	100	50		
Titanium	20	10		
Vanadium	100	50		
Zinc	40	20		

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA37168
Account: ITSICOL - Gilbane Company
Project: Fort Ord AFB, CA

File ID: SA101416M1.ICP Date Analyzed: 10/14/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13481 Units: ug/l

Time:	Sample ID:	ICSA	ICSAB	09:30		09:36	
Metal	True	True	Results	% Rec	Results	% Rec	
Aluminum	500000	500000	496000	99.2	503000	100.6	
Antimony		1000	0.0		1070	107.0	
Arsenic		1000	1.7		1130	113.0	
Barium		500	0.20		526	105.2	
Beryllium		500	-0.10		529	105.8	
Cadmium		1000	0.0		1000	100.0	
Calcium	500000	500000	460000	92.0	468000	93.6	
Chromium		500	-0.30		524	104.8	
Cobalt		500	0.60		497	99.4	
Copper		500	0.10		555	111.0	
Iron	200000	200000	184000	92.0	187000	93.5	
Lead		1000	-0.20		1040	104.0	
Magnesium	500000	500000	508000	101.6	525000	105.0	
Manganese		500	0.50		497	99.4	
Molybdenum		1000	0.30		969	96.9	
Nickel		1000	0.0		970	97.0	
Potassium			4.3		6.4		
Selenium		1000	-1.1		1050	105.0	
Silver		1000	-0.60		1000	100.0	
Sodium			128		182		
Strontium		1000	0.50		974	97.4	
Thallium		1000	1.8		1030	103.0	
Tin		1000	4.0		940	94.0	
Titanium		1000	0.20		1040	104.0	
Vanadium		500	0.10		464	92.8	
Zinc		1000	-0.90		966	96.6	

(*) Outside of QC limits
(anr) Analyte not requested

6.2.6
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA37168
Account: ITSICOL - Gilbane Company
Project: Fort Ord AFB, CA

File ID: SA101716M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 10/17/16 Methods: SW846 6010C
Run ID: MA13485

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:46	MA13485-STD1	1		STDA
07:57	MA13485-STD2	1		STDB
08:11	MA13485-STD3	1		STDC
08:15	MA13485-STD4	1		STDD
08:19	MA13485-HSTD1	1		
08:26	MA13485-ICV1	1		
08:34	MA13485-ICB1	1		
08:44	MA13485-CR1A1	1		
08:51	MA13485-ICSA1	1		
08:58	MA13485-ICSAB1	1		
09:05	MA13485-CCV1	1		
09:13	MA13485-CCB1	1		
09:17	ZZZZZZ	10		
09:22	ZZZZZZ	10		
09:27	ZZZZZZ	1		
09:36	ZZZZZZ	1		
09:41	ZZZZZZ	1		
09:45	ZZZZZZ	1		
09:50	ZZZZZZ	1		
09:54	ZZZZZZ	1		
09:59	ZZZZZZ	1		
10:03	MA13485-CCV2	1		
10:08	MA13485-CCB2	1		
10:12	ZZZZZZ	1		
10:17	ZZZZZZ	1		
10:21	ZZZZZZ	1		
10:26	ZZZZZZ	1		
10:31	MP30977-MB1	1		
10:35	MP30977-B1	1		
10:39	FA37666-5	1		(sample used for QC only; not part of login FA37168)
10:44	MP30977-D1	1		
10:48	MP30977-SD1	5		
10:53	MP30977-PS1	1		

6.3
9

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA37168
Account: ITSICOL - Gilbane Company
Project: Fort Ord AFB, CA

File ID: SA101716M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 10/17/16 Methods: SW846 6010C
Run ID: MA13485

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:57	MA13485-CCV3	1		
11:01	MA13485-CCB3	1		
11:06	MP30977-S1	1		
11:10	MP30977-S2	1		
11:14	ZZZZZZ	1		
11:19	ZZZZZZ	1		
11:23	ZZZZZZ	5		
11:28	ZZZZZZ	5		
11:33	ZZZZZZ	5		
11:37	ZZZZZZ	5		
11:42	ZZZZZZ	5		
11:47	ZZZZZZ	5		
11:52	MA13485-CCV4	1		
11:56	MA13485-CCB4	1		
12:00	ZZZZZZ	5		
12:05	ZZZZZZ	5		
12:09	ZZZZZZ	5		
12:14	ZZZZZZ	5		
12:19	ZZZZZZ	5		
12:23	ZZZZZZ	5		
12:28	ZZZZZZ	5		
12:33	ZZZZZZ	5		
12:37	ZZZZZZ	5		
12:42	ZZZZZZ	1		
12:47	MA13485-CCV5	1		
12:51	MA13485-CCB5	1		
13:05	ZZZZZZ	5		
13:09	FA37623-1	10		(sample used for QC only; not part of login FA37168)
13:14	MP30965-D1	10		
13:18	MP30965-S1	10		
13:23	MP30965-S2	10		
13:27	MP30965-PS1	10		
13:32	MP30965-SD1	50		

6.3
9

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA37168
Account: ITSICOL - Gilbane Company
Project: Fort Ord AFB, CA

File ID: SA101716M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 10/17/16 Methods: SW846 6010C
Run ID: MA13485

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:36	ZZZZZZ	4		
13:41	ZZZZZZ	4		
13:45	ZZZZZZ	20		
13:50	MA13485-CCV6	1		
13:54	MA13485-CCB6	1		
13:58	MP30981-MB1	1		
14:03	MP30981-B1	1		
14:07	FA37647-1	1		(sample used for QC only; not part of login FA37168)
14:12	MP30981-D1	1		
14:17	MP30981-SD1	5		
14:21	MP30981-S1	1		
14:25	MP30981-S2	1		
14:30	ZZZZZZ	1		
14:35	ZZZZZZ	1		
14:39	ZZZZZZ	1		
14:44	MA13485-CCV7	1		
14:48	MA13485-CCB7	1		
14:53	ZZZZZZ	1		
14:57	ZZZZZZ	1		
15:02	ZZZZZZ	1		
15:06	ZZZZZZ	1		
15:11	FA37605-1	1		(sample used for QC only; not part of login FA37168)
15:16	MP30981-D2	1		
15:21	MP30981-MB2	1		
15:25	MP30981-B2	1		
15:30	FA37168-1	20		
15:34	MP30974-D1	20		
15:38	MA13485-CCV8	1		
15:43	MA13485-CCB8	1		
15:47	MP30974-S1	20		
15:52	MP30974-S2	20		
15:56	MP30974-PS1	20		
16:00	MP30974-SD1	100		

6.3
9

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA37168
Account: ITSICOL - Gilbane Company
Project: Fort Ord AFB, CA

File ID: SA101716M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 10/17/16 Methods: SW846 6010C
Run ID: MA13485

Time	Sample Description	Dilution Factor	PS Recov	Comments
------	--------------------	-----------------	----------	----------

16:05	MP30974-D2	20		
16:09	FA37168-4	20		
16:13	FA37168-7	20		
16:18	FA37168-11	20		
----->	Last reportable sample/prep for job FA37168			
16:22	MA13485-CRIA2	1		
16:27	MA13485-ICSA2	1		
16:31	MA13485-CCV9	1		
16:35	MA13485-CCB9	1		
16:40	MA13485-ICSAB2	1		
16:45	MA13485-CCV10	1		
16:49	MA13485-CCB10	1		
----->	Last reportable CCB for job FA37168			
	Refer to raw data for calibration curve and standards.			

6.3
6

INTERNAL STANDARD SUMMARY

Login Number: FA37168
 Account: ITSICOL - Gilbane Company
 Project: Fort Ord AFB, CA

File ID: SA101716M1.ICP
 Analyst: LM
 Parameters: Pb

Date Analyzed: 10/17/16
 Run ID: MA13485
 Methods: SW846 6010C

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:46	MA13485-STD1	4592	41491	5639	2148
07:57	MA13485-STD2	4533	41000	5600	2068
08:11	MA13485-STD3	4367	39978	5635	1913
08:15	MA13485-STD4	4203	39062	5557	1781
08:19	MA13485-HSTD1	4252	39385	5638	1796
08:26	MA13485-ICV1	4394	40140	5578	1931
08:34	MA13485-ICB1	4571 R	41950 R	5733 R	2163 R
08:44	MA13485-CR1A1	4544	41184	5603	2120
08:51	MA13485-ICSA1	4046	36454	5240	1650
08:58	MA13485-ICSAB1	4027	36604	5287	1632
09:05	MA13485-CCV1	4344	39466	5479	1901
09:13	MA13485-CCB1	4595	41993	5624	2162
09:17	ZZZZZZ	4105	36949	5389	1631
09:22	ZZZZZZ	4116	36757	5375	1629
09:27	ZZZZZZ	4370	40042	5497	1999
09:36	ZZZZZZ	4593	42051	5569	2152
09:41	ZZZZZZ	4590	42496	5583	2160
09:45	ZZZZZZ	4588	42225	5592	2152
09:50	ZZZZZZ	4595	42528	5642	2156
09:54	ZZZZZZ	4288	39010	5372	1931
09:59	ZZZZZZ	4279	38982	5383	1906
10:03	MA13485-CCV2	4437	40056	5448	1929
10:08	MA13485-CCB2	4620	41924	5526	2160
10:12	ZZZZZZ	4305	39245	5434	1931
10:17	ZZZZZZ	4443	40672	5530	2035
10:21	ZZZZZZ	4411	40027	5460	1985
10:26	ZZZZZZ	4165	36131	5362	1734
10:31	MP30977-MB1	4650	42924	5676	2180
10:35	MP30977-B1	4521	41404	5636	2032
10:39	FA37666-5	4584	42363	5652	2140
10:44	MP30977-D1	4597	42471	5712	2152
10:48	MP30977-SD1	4683	42596	5670	2187
10:53	MP30977-PS1	4566	42020	5678	2097

INTERNAL STANDARD SUMMARY

Login Number: FA37168
 Account: ITSICOL - Gilbane Company
 Project: Fort Ord AFB, CA

File ID: SA101716M1.ICP
 Analyst: LM
 Parameters: Pb

Date Analyzed: 10/17/16 Methods: SW846 6010C
 Run ID: MA13485

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:57	MA13485-CCV3	4483	40890	5581	1952
11:01	MA13485-CCB3	4659	42702	5683	2183
11:06	MP30977-S1	4502	40950	5532	1991
11:10	MP30977-S2	4510	41196	5541	1997
11:14	ZZZZZZ	4661	42888	5739	2172
11:19	ZZZZZZ	4685	43156	5768	2166
11:23	ZZZZZZ	4249	37344	5378	1817
11:28	ZZZZZZ	4171	36293	5241	1777
11:33	ZZZZZZ	4039	34921	5196	1696
11:37	ZZZZZZ	4205	37258	5317	1802
11:42	ZZZZZZ	3603	30612	4933	1455
11:47	ZZZZZZ	3972	34269	5236	1667
11:52	MA13485-CCV4	4407	40085	5487	1919
11:56	MA13485-CCB4	4622	41960	5531	2152
12:00	ZZZZZZ	4554	41437	5538	2116
12:05	ZZZZZZ	4654	42557	5644	2170
12:09	ZZZZZZ	3945	33736	5094	1641
12:14	ZZZZZZ	4033	34856	5117	1706
12:19	ZZZZZZ	4106	35459	5124	1730
12:23	ZZZZZZ	3835	32599	5001	1580
12:28	ZZZZZZ	4064	35261	5141	1717
12:33	ZZZZZZ	3623	30960	4915	1467
12:37	ZZZZZZ	4016	34797	5142	1690
12:42	ZZZZZZ	4650	42355	5514	2160
12:47	MA13485-CCV5	4445	40060	5372	1926
12:51	MA13485-CCB5	4647	41849	5414	2151
13:05	ZZZZZZ	4506	40081	5307	2029
13:09	FA37623-1	4572	40799	5421	2074
13:14	MP30965-D1	4573	40875	5391	2080
13:18	MP30965-S1	4580	40778	5344	2058
13:23	MP30965-S2	4563	40755	5374	2054
13:27	MP30965-PS1	No results reported for the elements associated with this internal standard.			
13:32	MP30965-SD1	4548	40831	5464	2069

INTERNAL STANDARD SUMMARY

Login Number: FA37168
 Account: ITSICOL - Gilbane Company
 Project: Fort Ord AFB, CA

File ID: SA101716M1.ICP
 Analyst: LM
 Parameters: Pb

Date Analyzed: 10/17/16 Methods: SW846 6010C
 Run ID: MA13485

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:36	ZZZZZZ	4516	40475	5383	2055
13:41	ZZZZZZ	4538	40464	5370	2056
13:45	ZZZZZZ	4541	40782	5476	2029
13:50	MA13485-CCV6	4421	39652	5316	1904
13:54	MA13485-CCB6	4641	42053	5518	2154
13:58	MP30981-MB1	4638	42163	5492	2144
14:03	MP30981-B1	4501	40532	5406	1989
14:07	FA37647-1	4492	39976	5341	1996
14:12	MP30981-D1	4494	39910	5322	1994
14:17	MP30981-SD1	4627	41456	5373	2104
14:21	MP30981-S1	4469	39687	5281	1920
14:25	MP30981-S2	4461	39857	5296	1920
14:30	ZZZZZZ	4548	40530	5400	2013
14:35	ZZZZZZ	4494	40072	5410	1994
14:39	ZZZZZZ	4476	39824	5339	1977
14:44	MA13485-CCV7	4493	40561	5413	1935
14:48	MA13485-CCB7	4684	42196	5450	2157
14:53	ZZZZZZ	4475	39927	5317	2004
14:57	ZZZZZZ	4474	39948	5341	1973
15:02	ZZZZZZ	4505	40121	5296	1992
15:06	ZZZZZZ	4502	40058	5370	2017
15:11	FA37605-1	4503	40078	5371	2006
15:16	MP30981-D2	4508	39945	5318	2005
15:21	MP30981-MB2	4503	40200	5352	2012
15:25	MP30981-B2	4460	39867	5327	1919
15:30	FA37168-1	4724	42448	5424	2151
15:34	MP30974-D1	4712	42352	5448	2145
15:38	MA13485-CCV8	4466	40269	5385	1920
15:43	MA13485-CCB8	4672	42150	5432	2154
15:47	MP30974-S1	4690	42389	5567	2135
15:52	MP30974-S2	4687	42216	5534	2137
15:56	MP30974-PS1	4691	42589	5520	2145
16:00	MP30974-SD1	4697	42405	5490	2159

INTERNAL STANDARD SUMMARY

Login Number: FA37168
 Account: ITSICOL - Gilbane Company
 Project: Fort Ord AFB, CA

File ID: SA101716M1.ICP
 Analyst: LM
 Parameters: Pb

Date Analyzed: 10/17/16 Methods: SW846 6010C
 Run ID: MA13485

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:05	MP30974-D2	4701	42614	5486	2147
16:09	FA37168-4	4703	42349	5443	2146
16:13	FA37168-7	4717	42452	5536	2147
16:18	FA37168-11	4704	42243	5458	2145
16:22	MA13485-CRIA2	4646	41712	5404	2121
16:27	MA13485-ICSA2	4129	36943	5090	1669
16:31	MA13485-CCV9	4451	40162	5268	1918
16:35	MA13485-CCB9	4689	42270	5406	2151
16:40	MA13485-ICSAB2	4110	36876	5052	1637
16:45	MA13485-CCV10	4466	40050	5290	1918
16:49	MA13485-CCB10	4674	42052	5382	2156

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

<u>Istd#</u>	<u>Parameter</u>	<u>Limits</u>
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA37168
Account: ITSICOL - Gilbane Company
Project: Fort Ord AFB, CA

File ID: SA101716M1.ICP
QC Limits: result < RL

Date Analyzed: 10/17/16
Run ID: MA13485

Methods: SW846 6010C
Units: ug/l

Metal	Time:		08:34		09:13		10:08		11:01		
	Sample ID:	RL	IDL	ICB1	final	CCB1	final	CCB2	final	CCB3	final
Aluminum	200	14									
Antimony	6.0	1									
Arsenic	10	1.3	anr								
Barium	200	1	anr								
Beryllium	4.0	.2	anr								
Cadmium	5.0	.2	anr								
Calcium	1000	50	anr								
Chromium	10	1	anr								
Cobalt	50	.2									
Copper	25	1									
Iron	300	17	anr								
Lead	5.0	1	0.0	<5.0	-0.70	<5.0	0.40	<5.0	0.0	<5.0	
Magnesium	5000	35									
Manganese	15	.5	anr								
Molybdenum	50	.3									
Nickel	40	.4									
Potassium	10000	200									
Selenium	10	2.4	anr								
Silver	10	.7	anr								
Sodium	10000	500	anr								
Strontium	10	.5									
Thallium	10	1.1									
Tin	50	.9									
Titanium	10	.5									
Vanadium	50	.5									
Zinc	20	3									

(*) Outside of QC limits
(anr) Analyte not requested

6.3.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA37168
 Account: ITSICOL - Gilbane Company
 Project: Fort Ord AFB, CA

File ID: SA101716M1.ICP
 QC Limits: result < RL

Date Analyzed: 10/17/16
 Run ID: MA13485

Methods: SW846 6010C
 Units: ug/l

Metal	RL	IDL	Time:							
			Sample ID:	11:56 CCB4	12:51 CCB5	13:54 CCB6	14:48 CCB7	raw	final	raw
Aluminum	200	14								
Antimony	6.0	1								
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2	anr							
Cadmium	5.0	.2	anr							
Calcium	1000	50	anr							
Chromium	10	1	anr							
Cobalt	50	.2								
Copper	25	1								
Iron	300	17	anr							
Lead	5.0	1	-0.10	<5.0	-0.50	<5.0	-0.10	<5.0	-0.40	<5.0
Magnesium	5000	35								
Manganese	15	.5	anr							
Molybdenum	50	.3								
Nickel	40	.4								
Potassium	10000	200								
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.1								
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5								
Zinc	20	3								

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.2
6

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA37168
Account: ITSICOL - Gilbane Company
Project: Fort Ord AFB, CA

File ID: SA101716M1.ICP
QC Limits: result < RL

Date Analyzed: 10/17/16
Run ID: MA13485

Methods: SW846 6010C
Units: ug/l

Metal	Time: Sample ID:	RL	IDL	15:43 CCB8		16:35 CCB9		16:49 CCB10	
				raw	final	raw	final	raw	final
Aluminum		200	14						
Antimony		6.0	1						
Arsenic		10	1.3	anr					
Barium		200	1	anr					
Beryllium		4.0	.2	anr					
Cadmium		5.0	.2	anr					
Calcium		1000	50	anr					
Chromium		10	1	anr					
Cobalt		50	.2						
Copper		25	1						
Iron		300	17	anr					
Lead		5.0	1	0.0	<5.0	0.0	<5.0	0.60	<5.0
Magnesium		5000	35						
Manganese		15	.5	anr					
Molybdenum		50	.3						
Nickel		40	.4						
Potassium		10000	200						
Selenium		10	2.4	anr					
Silver		10	.7	anr					
Sodium		10000	500	anr					
Strontium		10	.5						
Thallium		10	1.1						
Tin		50	.9						
Titanium		10	.5						
Vanadium		50	.5						
Zinc		20	3						

(*) Outside of QC limits
(anr) Analyte not requested

6.3.2
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA37168
Account: ITSICOL - Gilbane Company
Project: Fort Ord AFB, CA

File ID: SA101716M1.ICP
QC Limits: 90 to 110 % Recovery

Date Analyzed: 10/17/16
Run ID: MA13485

Methods: SW846 6010C
Units: ug/l

Metal	Time:		08:26		09:05		10:03			
	Sample ID:	ICV	ICV1	CCV	CCV1	CCV2	CCV	CCV2		
	True	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum										
Antimony										
Arsenic	anr									
Barium	anr									
Beryllium	anr									
Cadmium	anr									
Calcium	anr									
Chromium	anr									
Cobalt										
Copper										
Iron	anr									
Lead	2000	1970	98.5	2000	2010	100.5	2000	2000	100.0	
Magnesium										
Manganese	anr									
Molybdenum										
Nickel										
Potassium										
Selenium	anr									
Silver	anr									
Sodium	anr									
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

(*) Outside of QC limits
(anr) Analyte not requested

6.3.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA37168
Account: ITSICOL - Gilbane Company
Project: Fort Ord AFB, CA

File ID: SA101716M1.ICP
QC Limits: 90 to 110 % Recovery

Date Analyzed: 10/17/16
Run ID: MA13485

Methods: SW846 6010C
Units: ug/l

Metal	Time:		10:57		11:52		12:47			
	Sample ID:	CCV	CCV3	CCV	CCV4	CCV	CCV5			
	True	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum										
Antimony										
Arsenic	anr									
Barium	anr									
Beryllium	anr									
Cadmium	anr									
Calcium	anr									
Chromium	anr									
Cobalt										
Copper										
Iron	anr									
Lead	2000	1970	98.5	2000	1990	99.5	2000	2000	100.0	
Magnesium										
Manganese	anr									
Molybdenum										
Nickel										
Potassium										
Selenium	anr									
Silver	anr									
Sodium	anr									
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

(*) Outside of QC limits
(anr) Analyte not requested

6.3.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA37168
Account: ITSICOL - Gilbane Company
Project: Fort Ord AFB, CA

File ID: SA101716M1.ICP
QC Limits: 90 to 110 % Recovery

Date Analyzed: 10/17/16
Run ID: MA13485

Methods: SW846 6010C
Units: ug/l

Metal	Sample ID	CCV	13:50		CCV	14:44		CCV	15:38	
			CCV6	Results		CCV7	Results		CCV8	Results
		True		% Rec	True		% Rec	True		% Rec
Aluminum										
Antimony										
Arsenic	anr									
Barium	anr									
Beryllium	anr									
Cadmium	anr									
Calcium	anr									
Chromium	anr									
Cobalt										
Copper										
Iron	anr									
Lead	2000	2010	100.5	2000	1980	99.0	2000	1990	99.5	
Magnesium										
Manganese	anr									
Molybdenum										
Nickel										
Potassium										
Selenium	anr									
Silver	anr									
Sodium	anr									
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

(*) Outside of QC limits
(anr) Analyte not requested

6.3.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA37168
Account: ITSICOL - Gilbane Company
Project: Fort Ord AFB, CA

File ID: SA101716M1.ICP
QC Limits: 90 to 110 % Recovery

Date Analyzed: 10/17/16
Run ID: MA13485

Methods: SW846 6010C
Units: ug/l

Time:	16:31	16:45				
Sample ID:	CCV9	CCV10		CCV	CCV10	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum						
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Cadmium	anr					
Calcium	anr					
Chromium	anr					
Cobalt						
Copper						
Iron	anr					
Lead	2000	1990	99.5	2000	1980	99.0
Magnesium						
Manganese	anr					
Molybdenum						
Nickel						
Potassium						
Selenium	anr					
Silver	anr					
Sodium	anr					
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

(*) Outside of QC limits
(anr) Analyte not requested

6.3.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA37168
 Account: ITSICOL - Gilbane Company
 Project: Fort Ord AFB, CA

File ID: SA101716M1.ICP
 QC Limits: 95 to 105 % Recovery

Date Analyzed: 10/17/16
 Run ID: MA13485

Methods: SW846 6010C
 Units: ug/l

Time:	08:19
Sample ID:	HSTD1
Metal	True
	Results % Rec

Aluminum			
Antimony			
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt			
Copper			
Iron	anr		
Lead	4000	3990	99.8
Magnesium			
Manganese	anr		
Molybdenum			
Nickel			
Potassium			
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA37168
 Account: ITSICOL - Gilbane Company
 Project: Fort Ord AFB, CA

File ID: SA101716M1.ICP Date Analyzed: 10/17/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13485 Units: ug/l

Time:			08:44		16:22	
Sample ID:	CRI	CRIA	CRIA1	% Rec	CRIA2	% Rec
Metal	True	True	Results		Results	
Aluminum	400	200				
Antimony	10	5.0				
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25				
Iron	600	300	anr			
Lead	10	5.0	5.2	104.0	5.4	108.0
Magnesium	10000	5000				
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000				
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20				

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA37168
Account: ITSICOL - Gilbane Company
Project: Fort Ord AFB, CA

File ID: SA101716M1.ICP Date Analyzed: 10/17/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13485 Units: ug/l

Time:	ICSA	ICSAB	08:51		08:58		16:27		16:40	
Sample ID:	True	True	ICSAB1	% Rec	ICSAB1	% Rec	ICSAB2	% Rec	ICSAB2	% Rec
Metal			Results		Results		Results		Results	
Aluminum	500000	500000	514000	102.8	507000	101.4	512000	102.4	520000	104.0
Antimony		1000	-1.3		1050	105.0	-0.20		1010	101.0
Arsenic		1000	1.7		1100	110.0	2.3		1050	105.0
Barium		500	0.20		541	108.2	0.30		553	110.6
Beryllium		500	-0.10		525	105.0	-0.20		512	102.4
Cadmium		1000	-0.10		993	99.3	-0.90		963	96.3
Calcium	500000	500000	491000	98.2	489000	97.8	498000	99.6	502000	100.4
Chromium		500	-0.20		524	104.8	-0.50		516	103.2
Cobalt		500	0.40		500	100.0	0.50		492	98.4
Copper		500	0.0		562	112.4	-0.20		554	110.8
Iron	200000	200000	190000	95.0	188000	94.0	187000	93.5	187000	93.5
Lead		1000	0.0		1040	104.0	-1.1		1020	102.0
Magnesium	500000	500000	541000	108.2	541000	108.2	541000	108.2	550000	110.0
Manganese		500	0.80		520	104.0	0.60		506	101.2
Molybdenum		1000	0.0		972	97.2	-0.10		953	95.3
Nickel		1000	0.0		994	99.4	0.10		958	95.8
Potassium			62.4		72.1		124		101	
Selenium		1000	0.0		1040	104.0	0.10		1000	100.0
Silver		1000	-0.80		1020	102.0	-0.50		1010	101.0
Sodium			122		148		325		317	
Strontium		1000	0.10		1010	101.0	-1.8		988	98.8
Thallium		1000	0.0		1020	102.0	-5.8		989	98.9
Tin		1000	3.4		962	96.2	3.3		955	95.5
Titanium		1000	0.0		1010	101.0	0.20		973	97.3
Vanadium		500	0.0		483	96.6	0.50		468	93.6
Zinc		1000	-1.1		989	98.9	-1.3		988	98.8

(*) Outside of QC limits
(anr) Analyte not requested

6.3.6
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA37168
Account: ITSICOL - Gilbane Company
Project: Fort Ord AFB, CA

QC Batch ID: MP30879
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 09/26/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	14	14		
Antimony	6.0	1	1		
Arsenic	10	1.3	1.3		
Barium	200	1	1		
Beryllium	4.0	.2	.2		
Cadmium	5.0	.2	.2		
Calcium	1000	50	50		
Chromium	10	1	1		
Cobalt	50	.2	.2		
Copper	25	1	1		
Iron	300	17	17		
Lead	5.0	1	1.1	-0.70	<5.0
Magnesium	5000	35	35		
Manganese	15	.5	1		
Molybdenum	50	.3	.3		
Nickel	40	.4	.4		
Potassium	10000	200	200		
Selenium	10	2.4	2.9		
Silver	10	.7	.7		
Sodium	10000	500	500		
Strontium	10	.5	.5		
Thallium	10	1.1	1.4		
Tin	50	.9	1		
Titanium	10	.5	1		
Vanadium	50	.5	.6		
Zinc	20	3	4.4		

Associated samples MP30879: FA37168-14

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.4.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA37168
 Account: ITSICOL - Gilbane Company
 Project: Fort Ord AFB, CA

QC Batch ID: MP30879
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 09/26/16 09/26/16

Metal	FA37181-2F Original DUP	RPD	QC Limits	FA37181-2F Original MS	Spikelot MPFLICP2 % Rec	QC Limits
Aluminum						
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron						
Lead	0.0 0.0	NC	0-20	0.0 500	500	100.0 80-120
Magnesium						
Manganese						
Molybdenum	anr					
Nickel	anr					
Potassium						
Selenium	anr					
Silver	anr					
Sodium	anr					
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

Associated samples MP30879: FA37168-14

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.4.2
 6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA37168
 Account: ITSICOL - Gilbane Company
 Project: Fort Ord AFB, CA

QC Batch ID: MP30879
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 09/26/16

Metal	FA37181-2F Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit		
Aluminum						
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron						
Lead	0.0	511	500	102.2	2.2	20
Magnesium						
Manganese						
Molybdenum	anr					
Nickel	anr					
Potassium						
Selenium	anr					
Silver	anr					
Sodium	anr					
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

Associated samples MP30879: FA37168-14

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.4.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA37168
 Account: ITSICOL - Gilbane Company
 Project: Fort Ord AFB, CA

QC Batch ID: MP30879
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 09/26/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron				
Lead	511	500	102.2	80-120
Magnesium				
Manganese				
Molybdenum	anr			
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium	anr			
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP30879: FA37168-14

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.3
6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA37168
 Account: ITSICOL - Gilbane Company
 Project: Fort Ord AFB, CA

QC Batch ID: MP30879
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 09/26/16

Metal	FA37181-2F Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron				
Lead	0.00	0.00	NC	0-10
Magnesium				
Manganese				
Molybdenum	anr			
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium	anr			
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP30879: FA37168-14

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA37168
 Account: ITSICOL - Gilbane Company
 Project: Fort Ord AFB, CA

QC Batch ID: MP30879
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date:

09/26/16

Metal	Sample ml	Final ml	FA37181-2F Raw	PS Corr.** ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	9.8	10		48.1	0.2	2.5	50	96.2	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP30879: FA37168-14

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (**) Corr. sample result = Raw * (sample volume / final volume)
 (anr) Analyte not requested

6.4.5
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA37168
Account: ITSICOL - Gilbane Company
Project: Fort Ord AFB, CA

QC Batch ID: MP30974
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 10/13/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.4	3.5		
Antimony	2.0	.1	.13		
Arsenic	1.0	.13	.2		
Barium	20	.1	.1		
Beryllium	0.50	.02	.05		
Cadmium	0.40	.02	.05		
Calcium	500	5	5		
Chromium	1.0	.1	.1		
Cobalt	5.0	.02	.05		
Copper	2.5	.1	.1		
Iron	30	1.7	1.7		
Lead	2.0	.1	.1	-0.022	<2.0
Magnesium	500	3.5	3.6		
Manganese	1.5	.05	.05		
Molybdenum	5.0	.03	.05		
Nickel	4.0	.04	.05		
Potassium	1000	20	20		
Selenium	2.0	.24	.24		
Silver	1.0	.07	.082		
Sodium	1000	50	50		
Strontium	1.0	.05	.05		
Thallium	1.0	.11	.11		
Tin	5.0	.09	.09		
Titanium	1.0	.05	.05		
Vanadium	5.0	.05	.05		
Zinc	2.0	.3	.3		

Associated samples MP30974: FA37168-1, FA37168-4, FA37168-7, FA37168-8, FA37168-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.5.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA37168
 Account: ITSICOL - Gilbane Company
 Project: Fort Ord AFB, CA

QC Batch ID: MP30974
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 10/13/16 10/13/16

Metal	FA37168-1 Original	DUP	RPD	QC Limits	FA37168-1 Original MS	Spikelot MPFLICP2 % Rec	QC Limits		
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	820	802	2.2	0-20	820	840	4.89	408.8(a)	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP30974: FA37168-1, FA37168-4, FA37168-7, FA37168-8, FA37168-11

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

6.5.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA37168
 Account: ITSICOL - Gilbane Company
 Project: Fort Ord AFB, CA

QC Batch ID: MP30974
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 10/13/16 10/13/16

Metal	FA37168-1 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit	FA37168-1 Original DUP	RPD	QC Limits
Aluminum							
Antimony							
Arsenic							
Barium							
Beryllium							
Cadmium							
Calcium							
Chromium							
Cobalt							
Copper							
Iron							
Lead	820 786	4.84	-701.8(a) 6.6	20	820 780	5.0	0-20
Magnesium							
Manganese							
Molybdenum							
Nickel							
Potassium							
Selenium							
Silver							
Sodium							
Strontium							
Thallium							
Tin							
Titanium							
Vanadium							
Zinc							

Associated samples MP30974: FA37168-1, FA37168-4, FA37168-7, FA37168-8, FA37168-11

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

6.5.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA37168
 Account: ITSICOL - Gilbane Company
 Project: Fort Ord AFB, CA

QC Batch ID: MP30974
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 10/13/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	10.5	10	105.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP30974: FA37168-1, FA37168-4, FA37168-7, FA37168-8, FA37168-11

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.5.3
6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA37168
 Account: ITSICOL - Gilbane Company
 Project: Fort Ord AFB, CA

QC Batch ID: MP30974
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 10/13/16

Metal	FA37168-1 Original	SDL 20:100%DIF	QC Limits
-------	-----------------------	----------------	--------------

Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead	43100	46800	8.5 0-10
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

Associated samples MP30974: FA37168-1, FA37168-4, FA37168-7, FA37168-8, FA37168-11

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.5.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA37168
 Account: ITSICOL - Gilbane Company
 Project: Fort Ord AFB, CA

QC Batch ID: MP30974
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date:

10/13/16

Metal	Sample ml	Final ml	FA37168-1 Raw	PS Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead	9.8	10	43130	42267.4	42460	0.2	2.5	50	385.2*(a)	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP30974: FA37168-1, FA37168-4, FA37168-7, FA37168-8, FA37168-11

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(**) Corr. sample result = Raw * (sample volume / final volume)

(anr) Analyte not requested

(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

6.5.5
6

Instrument Detection Limits

Job Number: FA37168
Account: ITSICOL Gilbane Company
Project: Fort Ord AFB, CA

Instrument ID: SSTRACE1	Effective Date: 01/27/15
-------------------------	--------------------------

Analyte	IDL ug/l
Aluminum	14
Antimony	1
Arsenic	1.3
Barium	1
Beryllium	.2
Cadmium	.2
Calcium	50
Chromium	1
Cobalt	.2
Copper	1
Iron	17
Lead	1
Magnesium	35
Manganese	.5
Molybdenum	.3
Nickel	.4
Potassium	200
Selenium	2.4
Silicon	5
Silver	.7
Sodium	500
Strontium	.5
Sulfur	5
Thallium	1.1
Tin	.9
Titanium	.5
Vanadium	.5
Zinc	3

The above applies to the following instrument runs:
MA13481,MA13485

6.6
9

Instrument Detection Limits

Job Number: FA37168
Account: ITSICOL Gilbane Company
Project: Fort Ord AFB, CA

Instrument ID: SSTRACE2	Effective Date: 01/27/15
-------------------------	--------------------------

Analyte	IDL ug/l
Aluminum	14
Antimony	1
Arsenic	1.3
Barium	1
Beryllium	.2
Cadmium	.2
Calcium	50
Chromium	1
Cobalt	.2
Copper	1
Iron	17
Lead	1
Magnesium	35
Manganese	.5
Molybdenum	.3
Nickel	.4
Potassium	200
Selenium	2.4
Silicon	5
Silver	.7
Sodium	500
Strontium	.5
Sulfur	5
Thallium	1.1
Tin	.9
Titanium	.5
Vanadium	.5
Zinc	3

The above applies to the following instrument runs:
MA13430

6.6
9

Instrument Linear Ranges

Job Number: FA37168
Account: ITSICOL Gilbane Company
Project: Fort Ord AFB, CA

Instrument ID: SSTRACE1

Effective Date: 08/13/13

Analyte	Linear Range ug/l
Aluminum	500000
Antimony	10000
Arsenic	10000
Barium	10000
Beryllium	10000
Cadmium	10000
Calcium	500000
Chromium	10000
Cobalt	10000
Copper	10000
Iron	500000
Lead	10000
Magnesium	500000
Manganese	10000
Molybdenum	10000
Nickel	10000
Potassium	80000
Selenium	10000
Silver	1000
Sodium	80000
Strontium	10000
Sulfur	10000
Thallium	10000
Tin	10000
Titanium	10000
Vanadium	10000
Zinc	10000

The above applies to the following instrument runs:
MA13481,MA13485

Instrument Linear Ranges

Job Number: FA37168
Account: ITSICOL Gilbane Company
Project: Fort Ord AFB, CA

Instrument ID: SSTRACE2

Effective Date: 10/22/10

Analyte	Linear Range ug/l
Aluminum	500000
Antimony	10000
Arsenic	10000
Barium	10000
Beryllium	10000
Cadmium	10000
Calcium	500000
Chromium	10000
Cobalt	10000
Copper	10000
Iron	500000
Lead	10000
Magnesium	500000
Manganese	10000
Molybdenum	10000
Nickel	10000
Potassium	80000
Selenium	10000
Silver	1000
Sodium	80000
Strontium	10000
Thallium	10000
Tin	10000
Titanium	10000
Vanadium	10000
Zinc	10000

The above applies to the following instrument runs:
MA13430

6.6
9

Metals Analysis

Raw Data

Sample Name: Blank Acquired: 9/26/2016 8:51:46 Type: Cal
Method: 60102007_041712(v305) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (Avg, Stddev, %RSD, #1, #2, #3) for various elements.

Sample Name: LowStd Acquired: 9/26/2016 8:56:56 Type: Cal
Method: 60102007_041712(v305) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 12 columns (Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 12 rows (Avg, Stddev, %RSD, #1, #2, #3) for various elements.

Sample Name: MidStd Acquired: 9/26/2016 9:00:52 Type: Cal
Method: 60102007_041712(v305) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (Avg, Stddev, %RSD, #1, #2, #3) for various elements.

Sample Name: HighStd Acquired: 9/26/2016 9:04:14 Type: Cal
Method: 60102007_041712(v305) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 12 columns (Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 12 rows (Avg, Stddev, %RSD, #1, #2, #3) for various elements.

Sample Name: HSTD Acquired: 9/26/2016 9:08:22 Type: QC
Method: 60102007_041712(v305) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 11 columns: Elem, Units, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 8 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Sample Name: HSTD Acquired: 9/26/2016 9:08:22 Type: QC
Method: 60102007_041712(v305) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 8 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Sample Name: ICV Acquired: 9/26/2016 9:15:02 Type: QC
Method: 60102007_041712(v305) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 11 columns: Elem, Units, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 8 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Sample Name: ICV Acquired: 9/26/2016 9:15:02 Type: QC
Method: 60102007_041712(v305) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Table with 8 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
Value
Range

Sample Name: ICB Acquired: 9/26/2016 9:22:36 Type: QC
 Method: 60102007_041712(v305) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0031	.0003	.0001	.0000	.0014	.0000	.0000	.0001	.0002
Stddev	.0001	.0043	.0006	.0001	.0000	.0012	.0000	.0000	.0001	.0002
%RSD	72.25	139.6	209.6	69.29	154.4	87.39	137.1	120.6	197.7	123.2
#1	-0.003	-0.019	.0009	.0002	.0000	.0027	-0.001	.0000	-0.001	-0.001
#2	-0.002	.0052	.0000	.0001	.0000	.0003	.0000	.0001	.0002	.0004
#3	.0000	.0060	-0.002	.0000	-0.001	.0012	.0000	.0000	.0001	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0035	.0563	-0.0092	.0000	.0006	.0121	-0.001	.0002	.0010	-0.0006
Stddev	.0016	.0261	.0205	.0000	.0001	.0019	.0001	.0003	.0005	.0005
%RSD	46.05	46.28	223.4	34.47	19.70	15.53	56.16	140.2	46.24	87.06
#1	.0046	.0439	-0.163	.0000	.0007	.0142	-0.001	-0.001	.0005	-0.011
#2	.0043	.0388	-0.252	.0000	.0005	.0107	-0.002	.0005	.0012	-0.007
#3	.0017	.0862	.0140	.0001	.0006	.0112	-0.001	.0004	.0013	-0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0000	.0000	.0002	.0011	.0001	-0.001
Stddev	.0007	.0002	.0000	.0000	.0002	.0001	.0001
%RSD	88.19	2132.	105.3	19.15	22.03	61.07	42.02
#1	.0002	-0.002	.0000	.0002	.0014	.0000	-0.001
#2	.0015	.0002	.0000	.0002	.0011	.0001	-0.002
#3	.0006	.0000	.0000	.0001	.0009	.0001	-0.001

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 9/26/2016 9:22:36 Type: QC
 Method: 60102007_041712(v305) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2805.0	7719.2	56464.	8580.5
Stddev	11.3	14.7	231.	19.6
%RSD	.40385	.19077	.40887	.22841
#1	2814.6	7736.2	56729.	8569.3
#2	2808.0	7711.5	56364.	8603.1
#3	2792.5	7709.9	56300.	8569.1

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CRIA Acquired: 9/26/2016 9:26:37 Type: QC
 Method: 60102007_041712(v305) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0086	.2142	.0098	.2114	.0052	1.075	.0053	.0535	.0106	.0260
Stddev	.0002	.0060	.0008	.0004	.0001	.007	.0001	.0000	.0001	.0001
%RSD	2.308	2.797	7.949	1.915	1.665	.685	1.158	.0737	1.123	.5181
#1	.0083	.2162	.0089	.2112	.0051	1.068	.0054	.0535	.0107	.0260
#2	.0087	.2189	.0104	.2118	.0052	1.082	.0053	.0536	.0106	.0260
#3	.0087	.2075	.0100	.2111	.0052	1.075	.0053	.0535	.0105	.0258

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3196	10.33	5.400	.0162	.0511	10.61	.0430	.0056	.0052	.0093
Stddev	.0015	.06	.018	.0001	.0002	.04	.0002	.0004	.0007	.0008
%RSD	4.567	.5866	.3374	.5837	.3913	.3470	4.370	7.433	12.62	8.253
#1	.3206	10.27	5.419	.0161	.0508	10.58	.0432	.0060	.0045	.0086
#2	.3203	10.39	5.396	.0163	.0512	10.65	.0428	.0052	.0052	.0093
#3	.3179	10.33	5.384	.0162	.0512	10.60	.0431	.0056	.0059	.0101

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0566	.0526	.0100	.0103	.0110	.0484	.0216
Stddev	.0004	.0002	.0000	.0001	.0004	.0004	.0001
%RSD	.6299	.3929	.4236	1.217	3.349	.7311	.3886
#1	.0568	.0527	.0100	.0103	.0114	.0483	.0217
#2	.0561	.0528	.0100	.0102	.0107	.0487	.0216
#3	.0568	.0524	.0099	.0104	.0111	.0480	.0216

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 9/26/2016 9:26:37 Type: QC
 Method: 60102007_041712(v305) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2691.2	7672.4	55674.	8592.9
Stddev	3.2	6.1	110.	39.8
%RSD	.11987	.07935	.19812	.46368
#1	2690.9	7667.6	55785.	8598.6
#2	2694.6	7679.3	55564.	8629.6
#3	2688.2	7670.4	55671.	8550.5

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSA Acquired: 9/26/2016 9:32:48 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	514.1	-0.008	.0000	-0.001	491.8	.0006	.0007	.0001
Stddev	.0002	.8	.0016	.000	.0000	3.5	.0001	.0001	.0002
%RSD	81.81	.1469	203.7	1399.	6.682	.7214	9.742	18.53	242.4

#1 -0.002 514.6 -0.026 .0001 -0.001 495.0 .0006 .0008 .0002
 #2 -0.004 514.4 .0002 -0.001 -0.001 488.0 .0005 .0007 -0.001
 #3 .0000 513.2 .0001 .0001 -0.001 492.3 .0007 .0006 .0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

High Limit
Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	188.3	.2062	520.4	-0.006	.0000	.2390	.0008	-0.002
Stddev	.0003	.9	.0292	1.2	.0001	.000	.0063	.0003	.0003
%RSD	74.81	.4877	14.18	.2224	18.28	492.1	2.624	33.26	112.0

#1 .0002 188.7 .1853 520.4 -0.007 .0001 .2328 .0007 -0.006
 #2 .0007 189.0 .1936 521.6 -0.006 -0.001 .2390 .0006 -0.002
 #3 .0003 187.3 .2396 519.3 -0.005 -0.002 .2453 .0011 .0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass

High Limit
Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0017	-0.0008	.1106	F.0024	-0.0003	.0008	.0000	.0000	-0.003
Stddev	.0014	.0037	.0023	.0006	.0004	.0001	.002	.0004	.0001
%RSD	84.17	466.0	2.048	24.57	111.6	16.36	4017.	926.8	19.29

#1 -0.032 -0.001 .1091 .0031 -0.004 .0009 .0013 .0005 -0.002
 #2 -0.004 -0.0048 .1095 .0023 .0001 .0007 -0.0022 -0.003 -0.003
 #3 -0.014 .0025 .1132 .0019 -0.007 .0007 .0008 -0.001 -0.002

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

High Limit
Low Limit

Sample Name: ICSA Acquired: 9/26/2016 9:32:48 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2009.5	6708.0	46732.	8027.1
Stddev	4.5	6.2	139.	41.6
%RSD	.22159	.09280	.29838	.51870

#1 2014.1 6715.1 46598. 8050.9
 #2 2009.1 6705.4 46877. 7979.1
 #3 2005.3 6703.5 46723. 8051.4

Sample Name: ICSAB Acquired: 9/26/2016 9:38:51 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9344	516.8	1.132	.5403	.5128	495.2	.9872	.4933	.5224	.5421
Stddev	.0036	4.6	.001	.0025	.0011	5.1	.0020	.0009	.0008	.0015
%RSD	.3885	.8912	.1112	.4626	.2191	1.037	.2034	.1918	.1477	.2726

#1 .9309 518.6 1.134 .5397 .5127 501.1 .9881 .4941 .5229 .5437
 #2 .9381 511.6 1.131 .5382 .5118 493.2 .9885 .4935 .5228 .5408
 #3 .9341 520.2 1.132 .5431 .5140 491.4 .9849 .4922 .5215 .5419

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	186.1	.1714	527.3	.5257	.9913	.1860	.9908	1.025	1.060	1.069
Stddev	1.5	.0446	1.3	.0013	.0020	.0100	.0028	.002	.003	.003
%RSD	.8158	26.05	.2383	.2458	.2028	5.351	.2860	.1459	.3054	.2391

#1 186.8 .2198 526.3 .5242 .9936 .1945 .9937 1.024 1.064 1.072
 #2 184.4 .1624 526.8 .5262 .9907 .1885 .9905 1.027 1.058 1.068
 #3 187.2 .1319 528.7 .5266 .9897 .1751 .9881 1.025 1.059 1.067

Check ? Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass

Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0324	.9671	1.027	1.047	1.034	.4729	.9892
Stddev	.0005	.0019	.005	.002	.002	.0008	.0031
%RSD	1.483	.1922	.4768	.2067	.2212	.1727	.3134

#1 .0323 .9669 1.025 1.044 1.033 .4728 .9909
 #2 .0320 .9690 1.024 1.048 1.036 .4737 .9912
 #3 .0329 .9653 1.033 1.048 1.032 .4721 .9857

Check ? None Chk Pass None None Chk Pass Chk Pass Chk Pass

Value Range

Sample Name: ICSAB Acquired: 9/26/2016 9:38:51 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1991.7	6690.2	47077.	8089.0
Stddev	4.7	22.3	51.	35.5
%RSD	.23531	.33309	.10870	.43871

#1 1989.5 6672.8 47135. 8101.5
 #2 1988.5 6682.4 47056. 8116.6
 #3 1997.1 6715.3 47039. 8049.0

Sample Name: CCV Acquired: 9/26/2016 9:46:20 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2538	40.97	2.004	2.056	2.016	40.99	2.031	2.026	2.021	1.997
Stddev	.0010	.14	.005	.002	.002	.12	.001	.002	.006	.008
%RSD	.3759	.3308	.2355	.0987	.1167	.3039	.0671	.0826	.2827	.3948
#1	2532	41.03	2.009	2.058	2.016	41.05	2.032	2.027	2.028	2.005
#2	2534	41.07	2.001	2.056	2.018	41.07	2.032	2.028	2.018	1.990
#3	2549	40.81	2.001	2.054	2.013	40.85	2.029	2.025	2.018	1.994

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.16	40.74	41.15	2.039	2.021	41.02	2.027	2.000	2.002	2.006
Stddev	.03	.06	.18	.005	.001	.10	.001	.001	.002	.005
%RSD	.0766	.1450	.4386	.2252	.0237	.2353	.0679	.0362	.0889	.2457
#1	40.16	40.75	41.25	2.035	2.022	41.06	2.028	2.000	2.002	2.008
#2	40.13	40.79	41.25	2.044	2.021	41.08	2.027	1.999	2.003	2.010
#3	40.19	40.68	40.94	2.039	2.021	40.91	2.025	2.000	2.000	2.001

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.274	2.067	2.043	2.039	2.019	2.016	2.029
Stddev	.002	.002	.004	.003	.002	.006	.002
%RSD	.0822	.1069	.2159	.1386	.1114	.2802	.0922
#1	2.275	2.067	2.043	2.042	2.021	2.021	2.027
#2	2.275	2.069	2.047	2.037	2.017	2.009	2.031
#3	2.272	2.065	2.038	2.038	2.018	2.017	2.029

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Sample Name: CCV Acquired: 9/26/2016 9:46:20 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2396.9	7403.5	5306.2	8470.8
Stddev	2.5	2.8	115.	17.5
%RSD	.10277	.03823	.21704	.20676
#1	2394.2	7405.3	5294.4	8459.9
#2	2399.0	7400.2	5306.9	8461.4
#3	2397.6	7404.8	5317.4	8491.0

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.16	40.74	41.15	2.039	2.021	41.02	2.027	2.000	2.002	2.006
Stddev	.03	.06	.18	.005	.001	.10	.001	.001	.002	.005
%RSD	.0766	.1450	.4386	.2252	.0237	.2353	.0679	.0362	.0889	.2457
#1	40.16	40.75	41.25	2.035	2.022	41.06	2.028	2.000	2.002	2.008
#2	40.13	40.79	41.25	2.044	2.021	41.08	2.027	1.999	2.003	2.010
#3	40.19	40.68	40.94	2.039	2.021	40.91	2.025	2.000	2.000	2.001

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.274	2.067	2.043	2.039	2.019	2.016	2.029
Stddev	.002	.002	.004	.003	.002	.006	.002
%RSD	.0822	.1069	.2159	.1386	.1114	.2802	.0922
#1	2.275	2.067	2.043	2.042	2.021	2.021	2.027
#2	2.275	2.069	2.047	2.037	2.017	2.009	2.031
#3	2.272	2.065	2.038	2.038	2.018	2.017	2.029

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Sample Name: CCB Acquired: 9/26/2016 9:54:44 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0055	.0005	.0002	.0002	.0090	.0001	.0001	.0001	.0003
Stddev	.0003	.0028	.0006	.0001	.0001	.0012	.0000	.0000	.0002	.0003
%RSD	195.3	51.23	111.0	66.50	37.80	13.04	86.02	50.99	181.8	96.09
#1	-0.004	.0034	.0001	.0001	.0003	.0101	.0001	.0001	.0004	.0006
#2	.0002	.0087	.0003	.0003	.0001	.0092	.0001	.0001	-.0001	.0005
#3	-.0003	.0044	.0012	.0001	.0002	.0077	.0000	.0001	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0081	.0336	.0051	.0001	.0002	.0230	-.0001	.0008	.0000	.0000
Stddev	.0011	.0191	.0068	.0000	.0002	.0129	.0001	.0008	.000	.0008
%RSD	13.82	56.68	133.4	23.66	97.67	56.10	95.33	101.6	343.3	1957.0
#1	.0090	.0554	-.0010	.0001	.0005	.0336	-.0001	.0009	-.0001	.0009
#2	.0068	.0252	.0124	.0001	.0001	.0266	-.0002	.0000	.0004	-.0001
#3	.0083	.0202	.0038	.0002	.0001	.0086	.0000	.0016	-.0003	-.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	-.0001	.0002	.0001	-.0004	.0001	.0001
Stddev	.0003	.0001	.0001	.0002	.0003	.0002	.0000
%RSD	32.44	100.5	34.79	183.4	77.72	422.6	22.55
#1	.0006	-.0001	.0002	.0003	-.0004	-.0002	.0001
#2	.0011	.0000	.0002	.0001	-.0001	.0001	.0001
#3	.0008	-.0001	.0001	-.0001	-.0007	.0003	.0001

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 9/26/2016 9:54:44 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2774.6	7653.4	5597.0	8415.5
Stddev	3.2	3.8	66.	25.9
%RSD	.11476	.04999	.11748	.30770
#1	2773.5	7657.3	5601.2	8397.0
#2	2772.2	7653.2	5600.4	8404.4
#3	2778.2	7649.6	5589.5	8445.1

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0081	.0336	.0051	.0001	.0002	.0230	-.0001	.0008	.0000	.0000
Stddev	.0011	.0191	.0068	.0000	.0002	.0129	.0001	.0008	.000	.0008
%RSD	13.82	56.68	133.4	23.66	97.67	56.10	95.33	101.6	343.3	1957.0
#1	.0090	.0554	-.0010	.0001	.0005	.0336	-.0001	.0009	-.0001	.0009
#2	.0068	.0252	.0124	.0001	.0001	.0266	-.0002	.0000	.0004	-.0001
#3	.0083	.0202	.0038	.0002	.0001	.0086	.0000	.0016	-.0003	-.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	-.0001	.0002	.0001	-.0004	.0001	.0001
Stddev	.0003	.0001	.0001	.0002	.0003	.0002	.0000
%RSD	32.44	100.5	34.79	183.4	77.72	422.6	22.55
#1	.0006	-.0001	.0002	.0003	-.0004	-.0002	.0001
#2	.0011	.0000	.0002	.0001	-.0001	.0001	.0001
#3	.0008	-.0001	.0001	-.0001	-.0007	.0003	.0001

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30873-MB1 Acquired: 9/26/2016 9:58:38 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-.0041	-.0004	-.0001	.0000	.0045	-.0001	-.0001	.0003
Stddev	.0002	.0113	.0006	.0002	.000	.0044	.0000	.0001	.0003
%RSD	180.1	275.9	139.5	244.5	117.5	97.57	46.60	79.67	124.8
#1	.0000	-.0135	.0002	.0000	.0000	.0055	.0000	-.0001	.0002
#2	.0000	.0085	-.0009	.0001	.0000	.0082	-.0001	-.0002	.0000
#3	.0004	-.0073	-.0006	-.0003	.0000	-.0003	-.0001	-.0001	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	-.0004	.0404	.0084	.0000	-.0001	.0171	-.0002	.0000
Stddev	.0002	.0005	.0305	.0050	.000	.0000	.0037	.0001	.0003
%RSD	422.9	109.6	75.47	59.12	970.8	36.84	21.74	49.17	6608.
#1	.0002	-.0004	.0754	.0084	.0000	-.0001	.0145	-.0001	.0003
#2	-.0001	.0000	.0260	.0035	.0000	-.0001	.0214	-.0003	-.0003
#3	-.0002	-.0009	.0197	.0135	.0000	-.0001	.0156	-.0002	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0031	.0019	.0019	-.0001	-.0001	.0000	-.0005	.0000	.0005
Stddev	.0001	.0014	.0004	.0001	.0000	.000	.0001	.0001	.0000
%RSD	3.784	73.90	19.02	71.30	36.71	323.5	25.43	596.9	9.125
#1	.0030	.0017	.0015	.0000	-.0001	.0000	-.0004	.0001	.0005
#2	.0031	.0006	.0022	-.0002	-.0001	-.0001	-.0006	.0000	.0006
#3	.0033	.0034	.0021	-.0001	-.0001	.0001	-.0004	-.0001	.0006

Check ? Chk Fail Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit .0025
 Low Limit -.0025

Sample Name: MP30873-MB1 Acquired: 9/26/2016 9:58:38 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2708.7	7503.1	55162.	8295.5
Stddev	3.6	5.5	181.	66.1
%RSD	.13182	.07351	.32880	.79624
#1	2708.2	7503.5	54953.	8299.6
#2	2705.4	7508.4	55282.	8227.4
#3	2712.5	7497.4	55250.	8359.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.1
7

Sample Name: MP30873-B1 Acquired: 9/26/2016 10:02:49 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0457	28.31	2.014	2.127	.0526	26.98	.0509	.5075	.2038	.2585
Stddev	.0003	.02	.001	.004	.0000	.06	.0001	.0004	.0008	.0005
%RSD	6.227	.0861	.0511	.1930	.0068	.2155	.2262	.0866	.3939	.1995
#1	.0459	28.28	2.015	2.127	.0526	26.96	.0509	.5078	.2047	.2590
#2	.0454	28.33	2.014	2.131	.0526	27.04	.0510	.5078	.2037	.2586
#3	.0458	28.31	2.013	2.123	.0526	26.93	.0508	.5070	.2031	.2580

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	28.07	26.49	26.23	.5332	.5031	26.57	.5204	.4953	.5101	2.028
Stddev	.04	.06	.12	.0018	.0014	.01	.0003	.0023	.0018	.004
%RSD	.1277	.2207	.4613	.3436	.2812	.0232	.0656	.4723	.3580	.1830
#1	28.08	26.42	26.21	.5348	.5016	26.57	.5208	.4953	.5085	2.024
#2	28.11	26.54	26.36	.5312	.5033	26.58	.5201	.4929	.5121	2.029
#3	28.04	26.50	26.13	.5336	.5045	26.57	.5205	.4976	.5097	2.032

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0067	.5014	.4920	.5098	2.001	.4716	.5065
Stddev	.0004	.0005	.0009	.0015	.006	.0018	.0006
%RSD	6.535	.0946	.1926	.3014	.2925	.3748	.1163
#1	.0062	.5011	.4911	.5109	2.000	.4736	.5070
#2	.0071	.5020	.4930	.5081	1.996	.4703	.5067
#3	.0067	.5012	.4919	.5104	2.007	.4709	.5058

Check ? None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30873-B1 Acquired: 9/26/2016 10:02:49 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2416.8	7272.0	52159.	8165.5
Stddev	3.0	14.3	209.	60.9
%RSD	.12604	.19729	.40137	.74570
#1	2414.7	7274.5	51971.	8147.5
#2	2420.3	7256.5	52121.	8115.6
#3	2415.4	7284.9	52385.	8233.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: FA37132-1 Acquired: 9/26/2016 10:06:46 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0000	.0389	.0390	.0134	-.0001	83.35	.0000	.0000	.0009	.0002
Stddev	.000	.0070	.0012	.0001	.0000	.30	.0000	.000	.0000	.0001
%RSD	314.0	18.04	3.124	.7957	57.02	3562	32.84	170.1	5.143	75.38
#1	-.0002	.0352	.0376	.0135	-.0001	83.43	.0000	-.0001	.0009	.0003
#2	.0000	.0470	.0399	.0134	-.0001	83.59	.0000	-.0001	.0008	.0000
#3	.0001	.0346	.0395	.0133	.0000	83.02	.0001	.0000	.0008	.0002
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	1.254	2.847	2.546	.0230	.0048	34.85	-.0003	-.0023	.0005	.0014
Stddev	.009	.036	.018	.0002	.0002	.09	.0002	.0004	.0008	.0004
%RSD	.7487	1.284	.6977	1.056	3.380	.2651	62.00	15.78	152.7	26.72
#1	1.254	2.888	2.563	.0229	.0049	34.87	-.0003	-.0019	-.0001	.0009
#2	1.263	2.835	2.528	.0232	.0046	34.93	-.0001	-.0026	.0002	.0015
#3	1.245	2.818	2.546	.0228	.0048	34.75	-.0006	-.0024	.0015	.0016
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	2.692	.0000	.5252	.0011	.0000	.0006	.0008			
Stddev	.005	.0002	.0017	.0001	.0003	.0000	.0000			
%RSD	.1741	519.8	.3312	7.827	173.2	1.447	4.471			
#1	2.691	.0000	.5253	.0010	-.0005	.0006	.0008			
#2	2.688	.0003	.5269	.0012	.0002	.0006	.0008			
#3	2.697	-.0001	.5234	.0010	-.0003	.0006	.0007			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2445.4	7153.4	51446.	8215.1						
Stddev	6.9	7.0	307.	22.5						
%RSD	.28263	.09780	.59681	.27406						
#1	2453.4	7161.3	51440.	8229.9						
#2	2441.5	7150.7	51143.	8189.2						
#3	2441.4	7148.1	51756.	8226.2						

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Sample Name: MP30873-D1 Acquired: 9/26/2016 10:10:52 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0001	.0248	.0390	.0131	.0000	82.46	.0001	.0000	.0010	.0005
Stddev	.0000	.0099	.0003	.0001	.000	.20	.0001	.000	.0001	.0003
%RSD	28.95	39.89	.8774	.4077	77.48	2410	116.4	48.32	14.99	62.27
#1	.0001	.0220	.0387	.0132	.0000	82.67	.0001	.0000	.0010	.0001
#2	.0001	.0167	.0390	.0131	-.0001	82.28	.0000	.0000	.0008	.0005
#3	.0001	.0359	.0393	.0131	.0000	82.42	.0000	.0000	.0011	.0007
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	1.228	2.817	2.533	.0228	.0042	34.44	-.0002	-.0022	.0005	-.0001
Stddev	.005	.026	.040	.0000	.0001	.13	.0003	.0008	.0004	.0014
%RSD	.3975	.9311	1.563	.1687	2.158	.3843	109.1	36.56	79.33	1290.
#1	1.233	2.847	2.579	.0228	.0041	34.58	-.0002	-.0018	.0001	.0015
#2	1.228	2.804	2.510	.0228	.0043	34.32	.0000	-.0017	.0009	-.0008
#3	1.223	2.800	2.511	.0227	.0042	34.42	-.0005	-.0032	.0005	-.0010
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	2.669	.0000	.5200	.0010	-.0015	.0005	.0021			
Stddev	.005	.000	.0017	.0001	.0004	.0003	.0000			
%RSD	.1710	479.7	.3315	5.243	23.58	56.41	2.092			
#1	2.669	.0001	.5214	.0010	-.0018	.0004	.0022			
#2	2.665	-.0002	.5181	.0009	-.0011	.0002	.0021			
#3	2.674	-.0001	.5205	.0010	-.0016	.0007	.0021			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2449.4	7160.6	51461.	8164.8						
Stddev	4.5	14.9	174.	43.0						
%RSD	.18243	.20843	.33895	.52683						
#1	2450.8	7152.6	51259.	8130.8						
#2	2453.1	7177.8	51567.	8150.4						
#3	2444.5	7151.4	51556.	8213.2						

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Sample Name: MP30873-SD1 Acquired: 9/26/2016 10:14:59 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0000	.0561	.0456	.0127	-.0004	86.71	.0002	-.0001	.0016	.0016
Stddev	.0008	.0243	.0056	.0008	.0003	.21	.0003	.0001	.0006	.0002
%RSD	759.4	43.32	12.26	6.206	71.75	2403	165.4	97.52	37.86	11.46
#1	-.0009	.0830	.0519	.0134	-.0003	86.87	.0000	-.0001	.0010	.0016
#2	.0005	.0495	.0434	.0118	-.0006	86.78	.0006	-.0002	.0018	.0018
#3	.0004	.0358	.0415	.0128	-.0001	86.47	.0000	.0000	.0022	.0015
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	1.275	2.960	2.709	.0240	.0022	36.34	-.0010	-.0043	-.0010	.0001
Stddev	.007	.140	.103	.0003	.0004	.11	.0010	.0006	.0015	.0039
%RSD	.5387	4.735	3.820	1.071	18.89	.2892	96.50	14.45	154.5	344.1
#1	1.283	2.810	2.591	.0243	.0023	36.41	.0001	-.0046	.0004	.0007
#2	1.273	3.088	2.785	.0239	.0026	36.40	-.0016	-.0036	-.0026	-.0040
#3	1.270	2.981	2.751	.0239	.0017	36.22	-.0016	-.0047	-.0008	.0037
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	2.762	-.0015	.5430	.0020	-.0020	-.0004	.0515			
Stddev	.002	.0005	.0021	.0002	.0020	.0006	.0001			
%RSD	.0716	33.78	.3810	7.664	101.6	182.7	.1897			
#1	2.763	-.0019	.5451	.0022	-.0031	-.0009	.0515			
#2	2.760	-.0009	.5431	.0019	-.0003	-.0005	.0514			
#3	2.764	-.0016	.5409	.0020	-.0031	.0004	.0516			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2651.6	7555.0	54268.	8349.1						
Stddev	5.3	1.8	167.	11.2						
%RSD	.20112	.02331	.30848	.13437						
#1	2657.4	7556.6	54461.	8360.6						
#2	2650.4	7553.1	54176.	8348.5						
#3	2646.9	7555.3	54166.	8338.2						

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Sample Name: MP30873-PS1 Acquired: 9/26/2016 10:19:06 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0447	2.821	.1513	.2986	.0559	87.57	.0542	.0545	.0556	.1132
Stddev	.0004	.019	.0006	.0011	.0002	.12	.0000	.0001	.0004	.0008
%RSD	8.756	6.722	.3837	.3573	.3528	1.350	.0803	.1447	.7428	6.726
#1	.0442	2.829	.1508	.2998	.0561	87.54	.0543	.0544	.0552	.1133
#2	.0448	2.799	.1513	.2978	.0560	87.47	.0542	.0546	.0560	.1124
#3	.0450	2.834	.1520	.2981	.0557	87.70	.0542	.0545	.0556	.1140
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	4.630	13.70	7.919	.0796	.1146	45.11	.1099	.0504	.1156	.1094
Stddev	.014	.01	.021	.0002	.0002	.07	.0002	.0004	.0013	.0009
%RSD	.3050	.0869	.2710	.2358	.1846	.1542	.1666	.8376	1.109	.8407
#1	4.637	13.70	7.917	.0798	.1148	45.18	.1101	.0500	.1155	.1103
#2	4.614	13.69	7.899	.0796	.1147	45.04	.1099	.0503	.1169	.1085
#3	4.640	13.71	7.942	.0794	.1144	45.12	.1098	.0508	.1143	.1092

Sample Name: MP30873-S1 Acquired: 9/26/2016 10:23:06 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0425	28.77	1.911	1.982	.0489	109.4	0.462	4.604	1.868	2.407
Stddev	.0003	.04	.004	.003	.0003	.1	.0001	.0007	.0015	.0011
%RSD	.7872	.1484	.1898	.1340	.5954	.1210	.2249	.1505	.7919	.4764

#1	.0421	28.73	1.914	1.984	.0490	109.3	0.462	4.608	1.884	2.412
#2	.0427	28.81	1.907	1.979	.0486	109.4	0.461	4.596	1.867	2.416
#3	.0427	28.79	1.912	1.982	.0492	109.5	0.463	4.608	1.854	2.394

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	29.50	29.72	28.84	5.112	5.104	61.12	4.713	4.628	4.703	1.866
Stddev	.09	.11	.06	.0030	.0004	.13	.0003	.0006	.0009	.003
%RSD	.3045	.3757	.2166	.5862	.0823	.2086	.0695	.1359	.1835	.1739

#1	29.51	29.84	28.79	5.146	5.109	61.23	4.716	4.636	4.713	1.870
#2	29.41	29.71	28.83	5.099	5.102	61.16	4.713	4.625	4.700	1.865
#3	29.59	29.62	28.91	5.091	5.101	60.98	4.710	4.624	4.697	1.863

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	2.646	5.000	1.022	5.212	1.849	4.364	4.618
Stddev	.006	.0003	.002	.0018	.002	.0022	.0006
%RSD	.2189	.0632	.1782	.3425	.0846	.5150	.1395

#1	2.653	5.000	1.024	5.232	1.848	4.386	4.621
#2	2.644	5.004	1.021	5.200	1.848	4.366	4.610
#3	2.642	4.998	1.021	5.204	1.851	4.341	4.621

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2302.5	7192.3	51359.	8205.0
Stddev	2.0	6.6	468.	45.8
%RSD	.08537	.09203	.91142	.55815

#1	2304.3	7185.5	50862.	8255.7
#2	2302.8	7198.8	51425.	8192.4
#3	2300.4	7192.5	51791.	8166.8

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Sample Name: MP30873-S2 Acquired: 9/26/2016 10:27:03 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.461	27.94	2.053	2.140	.0529	107.0	0.502	5.009	2.026	2.589
Stddev	.0003	.12	.002	.000	.0002	.4	.0001	.0006	.0014	.0003
%RSD	.6346	.4372	.1160	.0171	.4036	.3941	.1134	.1160	.7068	.1215

#1	0.460	28.03	2.055	2.140	.0531	107.4	0.502	5.006	2.027	2.586
#2	0.465	27.80	2.050	2.140	.0527	106.6	0.502	5.005	2.012	2.592
#3	0.459	27.99	2.053	2.139	.0530	107.1	0.503	5.015	2.041	2.589

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	28.44	28.70	27.91	5.459	4.954	59.46	5.089	5.004	5.119	2.017
Stddev	.11	.17	.13	.0032	.0006	.27	.0005	.0009	.0017	.007
%RSD	.3863	.5891	.4724	.5840	.1306	.4480	.0898	.1701	.3227	.3305

#1	28.56	28.88	28.00	5.448	4.948	59.68	5.094	4.998	5.128	2.025
#2	28.35	28.54	27.76	5.434	4.954	59.17	5.085	5.014	5.130	2.012
#3	28.40	28.70	27.97	5.495	4.961	59.55	5.087	5.001	5.100	2.015

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	2.602	4.889	.9973	5.010	2.001	4.745	5.008
Stddev	.005	.0005	.0050	.0019	.004	.0026	.0001
%RSD	.2049	.1048	.4977	.3862	.1794	.5528	.0164

#1	2.608	4.883	1.003	4.999	2.001	4.750	5.007
#2	2.599	4.892	.9927	4.998	2.005	4.717	5.009
#3	2.599	4.891	.9967	5.032	1.998	4.768	5.008

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2323.7	7224.9	51701.	8194.9
Stddev	5.5	5.8	459.	8.3
%RSD	.23668	.08007	.88732	.10074

#1	2328.0	7231.5	51623.	8202.4
#2	2317.5	7220.5	52193.	8196.2
#3	2325.6	7222.8	51286.	8186.0

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7.1
7

Sample Name: FA37132-2 Acquired: 9/26/2016 10:30:59 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0001	.0288	.0276	.0173	-.0001	81.04	.0000	-.0001	.0007	.0001
Stddev	.0003	.0124	.0003	.0001	.0000	.35	.0000	.0000	.0001	.0002
%RSD	403.4	42.85	1.097	.7960	12.47	.4366	57.77	12.15	7.291	201.0

#1	.0000	.0252	.0273	.0172	-.0000	81.44	.0000	-.0001	.0008	.0003
#2	.0003	.0426	.0278	.0174	-.0001	80.78	.0000	-.0001	.0008	-.0001
#3	-.0001	.0187	.0278	.0172	-.0001	80.89	.0001	-.0001	.0007	.0001

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	3.264	1.674	8.803	.0160	.0180	41.97	-.0005	-.0013	.0005	.0011
Stddev	.025	.025	.027	.0001	.0000	.20	.0001	.0006	.0012	.0011
%RSD	.7816	1.505	.3068	.7307	.2106	.4785	32.06	46.83	258.7	100.4

#1	3.293	1.700	8.834	.0160	.0180	42.20	-.0005	-.0013	.0007	.0022
#2	3.249	1.650	8.789	.0160	.0180	41.81	-.0006	-.0007	.0017	.0013
#3	3.249	1.672	8.785	.0162	.0179	41.91	-.0003	-.0019	.0003	-.0001

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	4.124	.0001	1.458	.0009	.0002	.0002	.0005
Stddev	.003	.0003	.008	.0002	.0008	.0002	.0001
%RSD	.0807	402.7	.5435	18.87	400.0	129.1	16.37

#1	4.121	-.0002	1.467	.0007	.0000	.0004	.0004
#2	4.127	.0001	1.453	.0010	-.0005	.0000	.0006
#3	4.122	.0003	1.453	.0010	.0011	.0002	.0005

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2437.4	7153.3	52189.	8243.2
Stddev	1.2	9.0	124.	78.7
%RSD	.04985	.12643	.23681	.95480

#1	2436.8	7155.9	52101.	8167.2
#2	2436.6	7160.7	52330.	8324.3
#3	2438.8	7143.2	52135.	8238.1

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Sample Name: FA37101-1F Acquired: 9/26/2016 10:35:03 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0009	.0035	.0007	.0640	.0000	37.23	.0001	-.0002	-.3039
Stddev	.0001	.0068	.0012	.0002	.000	.05	.0000	.0001	.0004
%RSD	7.238	196.8	172.5	.3217	61.80	.1383	76.34	48.42	-.1398

#1	.0009	-.0035	-.0004	.0639	.0000	37.27	.0001	-.0002	.3035
#2	.0009	.0101	.0005	.0642					

Sample Name: CCV Acquired: 9/26/2016 10:39:17 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2554	41.07	2.026	2.081	2.022	41.13	2.034	2.031	2.033	2.017
Stddev	.0004	.12	.003	.003	.005	.07	.002	.002	.005	.007
%RSD	.1499	.2828	.1635	.1499	.2578	.1594	.1053	.1071	.2642	.3725
#1	.2556	41.20	2.024	2.084	2.026	41.20	2.034	2.029	2.032	2.017
#2	.2549	41.03	2.025	2.082	2.024	41.11	2.031	2.029	2.029	2.010
#3	.2555	40.98	2.030	2.078	2.016	41.07	2.036	2.033	2.039	2.025

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.37	40.82	41.15	2.080	2.032	40.84	2.045	2.010	2.017	2.022
Stddev	.09	.14	.02	.012	.003	.09	.004	.005	.006	.007
%RSD	.2276	.3395	.0551	.5778	.1506	.2315	.2118	.2733	.3203	.3443
#1	40.42	40.93	41.14	2.066	2.029	40.93	2.041	2.011	2.014	2.022
#2	40.42	40.87	41.17	2.086	2.033	40.84	2.044	2.015	2.013	2.015
#3	40.26	40.67	41.13	2.087	2.035	40.74	2.049	2.004	2.025	2.029

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.291	2.061	2.056	2.066	2.025	2.022	2.034
Stddev	.005	.005	.006	.004	.003	.002	.003
%RSD	.2031	.2514	.3058	.2202	.1375	.1168	.1309
#1	2.287	2.065	2.061	2.066	2.024	2.024	2.034
#2	2.289	2.055	2.058	2.062	2.028	2.019	2.031
#3	2.296	2.064	2.049	2.071	2.023	2.023	2.037

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 9/26/2016 10:39:17 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2385.9	7387.1	52672.	8416.6
Stddev	4.7	19.4	177.	71.8
%RSD	.19764	.26313	.33652	.85294
#1	2390.3	7401.9	52718.	8464.8
#2	2380.9	7394.3	52822.	8450.9
#3	2386.3	7365.1	52477.	8334.1

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.37	40.82	41.15	2.080	2.032	40.84	2.045	2.010	2.017	2.022
Stddev	.09	.14	.02	.012	.003	.09	.004	.005	.006	.007
%RSD	.2276	.3395	.0551	.5778	.1506	.2315	.2118	.2733	.3203	.3443
#1	40.42	40.93	41.14	2.066	2.029	40.93	2.041	2.011	2.014	2.022
#2	40.42	40.87	41.17	2.086	2.033	40.84	2.044	2.015	2.013	2.015
#3	40.26	40.67	41.13	2.087	2.035	40.74	2.049	2.004	2.025	2.029

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.291	2.061	2.056	2.066	2.025	2.022	2.034
Stddev	.005	.005	.006	.004	.003	.002	.003
%RSD	.2031	.2514	.3058	.2202	.1375	.1168	.1309
#1	2.287	2.065	2.061	2.066	2.024	2.024	2.034
#2	2.289	2.055	2.058	2.062	2.028	2.019	2.031
#3	2.296	2.064	2.049	2.071	2.023	2.023	2.037

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCB Acquired: 9/26/2016 10:43:23 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0025	F.0022	.0002	.0001	.0064	.0001	.0000	.0003
Stddev	.0003	.0048	.0011	.0001	.0000	.0017	.0000	.0001	.0002
%RSD	270.5	190.4	48.90	64.07	27.81	27.01	50.04	182.8	78.07
#1	-.0002	.0058	.0031	.0004	.0002	.0071	.0001	.0001	.0005
#2	.0005	.0047	.0023	.0001	.0001	.0044	.0001	.0000	.0001
#3	.0001	-.0030	.0010	.0001	.0001	.0076	.0000	.0000	.0002

Check ? Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0119	.0388	-.0018	.0002	F.0018	.0423	.0001	.0006
Stddev	.0003	.0033	.0229	.0101	.0000	.0004	.0052	.0000	.0004
%RSD	66.40	27.63	59.18	550.9	5.255	24.44	12.26	32.35	70.36
#1	.0001	.0152	.0650	.0027	.0002	.0022	.0473	.0001	.0001
#2	.0007	.0117	.0224	-.0134	.0002	.0017	.0427	.0002	.0008
#3	.0005	.0087	.0289	.0052	.0002	.0013	.0369	.0001	.0009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0002	.0011	-.0001	.0001	.0005	.0004	.0001	.0001
Stddev	.0011	.0006	.0004	.0004	.0001	.0001	.0006	.0001	.0001
%RSD	673.8	240.2	40.60	394.8	68.18	12.03	148.1	41.43	61.09
#1	.0009	-.0002	.0016	.0002	.0002	.0005	.0010	.0001	.0001
#2	.0006	.0009	.0007	.0001	.0000	.0004	.0001	.0002	.0002
#3	-.0011	.0001	.0010	-.0005	.0001	.0005	.0000	.0001	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 9/26/2016 10:43:23 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2760.1	7647.4	55413.	8371.0
Stddev	3.3	9.3	208.	37.7
%RSD	.12052	.12212	.37563	.44989
#1	2757.1	7639.2	55177.	8343.9
#2	2763.7	7657.6	55491.	8355.2
#3	2759.5	7645.5	55571.	8414.0

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0119	.0388	-.0018	.0002	F.0018	.0423	.0001	.0006
Stddev	.0003	.0033	.0229	.0101	.0000	.0004	.0052	.0000	.0004
%RSD	66.40	27.63	59.18	550.9	5.255	24.44	12.26	32.35	70.36
#1	.0001	.0152	.0650	.0027	.0002	.0022	.0473	.0001	.0001
#2	.0007	.0117	.0224	-.0134	.0002	.0017	.0427	.0002	.0008
#3	.0005	.0087	.0289	.0052	.0002	.0013	.0369	.0001	.0009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0002	.0011	-.0001	.0001	.0005	.0004	.0001	.0001
Stddev	.0011	.0006	.0004	.0004	.0001	.0001	.0006	.0001	.0001
%RSD	673.8	240.2	40.60	394.8	68.18	12.03	148.1	41.43	61.09
#1	.0009	-.0002	.0016	.0002	.0002	.0005	.0010	.0001	.0001
#2	.0006	.0009	.0007	.0001	.0000	.0004	.0001	.0002	.0002
#3	-.0011	.0001	.0010	-.0005	.0001	.0005	.0000	.0001	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: FA37103-1F Acquired: 9/26/2016 10:47:33 Type: Unk
Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0005	.0180	.0179	.0061	.0000	.4197	.0000	-.0005	.2539
Stddev	.0005	.0076	.0006	.0001	.000	.0010	.000	.0000	.0005
%RSD	84.96	42.21	3.310	1.845	161.2	.2345	69.33	4.083	.2161
#1	.0001	.0200	.0184	.0060	.0000	.4208	.0000	-.0005	.2540
#2	.0010	.0244	.0181	.0061	.0000	.4189	.0000	-.0005	.2545
#3	.0005	.0096	.0172	.0062	.0000	.4195	.0000	-.0005	.2534
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0004	.0091	13.75	.3498	2.480	.0004	F131.6	-.0004	.0007
Stddev	.0003	.0003	.07	.0170	.024	.0002	1.6	.0002	.0004
%RSD	84.57	2.914	.4768	4.863	.9837	59.74	1.195	41.62	46.93
#1	.0008	.0093	13.69	.3611	2.452	.0006	132.6	-.0002	.0010
#2	.0002	.0088	13.73	.3581	2.494	.0004	132.4	-.0006	.0003
#3	.0002	.0093	13.82	.3303	2.494	.0001	129.8	-.0005	.0009
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0007	.0019	18.29	.0000	.0020	.0003	-.0003	.0007	.0030
Stddev	.0008	.0014	.04	.000	.0001	.0001	.0008	.0001	.0001
%RSD	110.6	74.16	.2312	895.5	4.058	40.64	254.5	13.25	2.705
#1	-.0010	.0030	18.29	-.0001	.0021	.0001	-.0012	.0008	.0030
#2	.0002	.0025	18.25	-.0001	.0020	.0003	-.0003	.0007	.0030
#3	-.0013	.0003	18.34	.0002	.0019	.0004	.0005	.0006	.0029
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2387.3	7141.1	50863.	8200.1					
Stddev	2.7	6.1	261.	7.4					
%RSD	.11118	.08515	.51324	.09030					
#1	2384.3	7147.7	51063.	8208.4					
#2	2388.5	7139.9	50568.	8194.2					
#3	2389.2	7135.7	50959.	8197.7					

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Sample Name: FA37103-2F Acquired: 9/26/2016 10:51:53 Type: Unk
Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.0028	.0018	.2041	-.0001	7.320	.0000	-.0004	.2297
Stddev	.0002	.0046	.0004	.0013	.0001	.022	.000	.0002	.0010
%RSD	187.2	161.9	19.67	.6604	128.7	.3030	135.9	42.34	.4167
#1	.0003	.0067	.0016	.2037	-.0001	7.345	.0000	-.0004	.2306
#2	-.0001	.0039	.0016	.2056	.0000	7.303	-.0001	-.0005	.2287
#3	.0001	-.0022	.0023	.2030	-.0001	7.312	.0000	-.0002	.2299
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0003	.0042	18.91	4.821	.0012	-.0001	F87.84	-.0005	-.0006
Stddev	.0001	.0010	.14	.023	.0000	.0000	.43	.0002	.0003
%RSD	37.83	23.04	.7286	.4755	.7461	27.06	.4943	31.66	54.41
#1	.0002	.0031	19.07	4.821	.0012	-.0001	88.31	-.0007	-.0003
#2	.0004	.0050	18.81	4.798	.0012	-.0001	87.73	-.0004	-.0009
#3	.0003	.0044	18.85	4.844	.0012	-.0001	87.47	-.0005	-.0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(In2306)	(Y_2243)
Avg	-.0008	.0016	14.50	.0001	.0495	.0003	-.0013	.0010	.0045
Stddev	.0005	.0010	.03	.0002	.0003	.0001	.0003	.0001	.0000
%RSD	64.15	60.70	.1877	209.5	.6827	31.29	20.51	11.75	.2711
#1	-.0006	.0014	14.48	.0000	.0497	.0004	-.0014	.0009	.0045
#2	-.0004	.0008	14.49	-.0001	.0496	.0004	-.0010	.0010	.0045
#3	-.0013	.0027	14.53	.0003	.0491	.0002	-.0014	.0012	.0045
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2427.1	7168.2	51442.	8112.7					
Stddev	2.4	9.3	132.	71.2					
%RSD	.09921	.13016	.25650	.87802					
#1	2425.0	7173.2	51371.	8061.1					
#2	2429.7	7174.0	51594.	8193.9					
#3	2426.6	7157.4	51361.	8083.0					

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Sample Name: FA37103-3F Acquired: 9/26/2016 10:56:00 Type: Unk
Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	
Avg	.0079	.0089	-.0038	.0877	-.0001	9.685	.0001	-.0003	
Stddev	.0005	.0066	.0005	.0003	.0000	.035	.0001	.0000	
%RSD	5.879	73.56	14.05	.3173	23.74	.3649	80.96	12.32	
#1	.0084	.0110	-.0033	.0880	-.0001	9.721	.0001	-.0004	
#2	.0075	.0016	-.0038	.0875	-.0001	9.650	.0000	-.0003	
#3	.0078	.0142	-.0044	.0876	-.0001	9.684	.0001	-.0003	
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	
Avg	3.769	.0005	-.0012	24.54	1.398	****	-.0041	F258.8	
Stddev	.005	.0001	.0006	.19	.012	----	.0000	2.2	
%RSD	.1462	11.48	53.30	.7930	.8641	----	1.013	.8546	
#1	3.765	.0004	-.0018	24.67	1.384	----	-.0042	256.8	
#2	3.776	.0005	-.0005	24.32	1.401	----	-.0041	258.3	
#3	3.767	.0005	-.0013	24.63	1.408	----	-.0041	261.2	
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	
Avg	.0000	.0047	F-.0184	.0413	11.35	-.0004	.0688	.0015	
Stddev	.0003	.0007	.0007	.0015	.01	.0000	.0003	.0001	
%RSD	1331.	15.32	3.869	3.563	.1288	3.504	.4315	6.736	
#1	.0003	.0045	-.0181	.0405	11.36	-.0005	.0691	.0016	
#2	.0001	.0054	-.0192	.0429	11.33	-.0004	.0686	.0014	
#3	-.0003	.0040	-.0179	.0403	11.36	-.0004	.0687	.0015	
Elem	Ti1908	V_2924	Zn2062						
IS Ref	(In2306)	(Y_3600)	(Y_2243)						
Avg	.0672	-.0464	.0030						
Stddev	.0007	.0000	.0000						
%RSD	1.039	.0585	.7663						
#1	.0680	-.0464	.0030						
#2	.0670	-.0464	.0030						
#3	.0667	-.0464	.0030						

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Sample Name: FA37103-3F Acquired: 9/26/2016 10:56:00 Type: Unk
Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2260.8	6829.8	48995.	8066.4
Stddev	1.9	10.5	137.	45.6
%RSD	.08221	.15357	.27901	.56577
#1	2260.0	6825.8	49152.	8033.0
#2	2263.0	6841.7	48933.	8118.4
#3	2259.5	6821.9	48901.	8047.7

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Sample Name: FA37103-4F Acquired: 9/26/2016 11:00:19 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.001	.0088	.0007	.0406	.0000	24.18	.0000	-.0003	.0041	.0002
Stddev	.0005	.0045	.0006	.0003	.0000	.10	.0000	.0001	.0001	.0002
%RSD	549.8	51.72	80.00	.8583	66.44	4.303	111.3	33.47	1.471	88.97
#1	-.0006	.0036	.0009	.0410	.0000	24.26	.0000	-.0003	.0042	.0003
#2	.0004	.0121	.0011	.0405	-.0001	24.06	.0001	-.0002	.0041	.0000
#3	.0000	.0107	.0001	.0403	.0000	24.23	.0000	-.0004	.0041	.0003
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	-.0006	.4940	7.030	.0046	.0030	23.16	-.0003	-.0014	-.0006	.0011
Stddev	.0002	.0375	.049	.0003	.0001	.10	.0002	.0004	.0008	.0016
%RSD	38.55	7.585	.6940	5.631	2.985	.4155	73.97	29.34	138.4	139.9
#1	-.0003	.5367	7.082	.0048	.0029	23.26	-.0005	-.0016	-.0015	-.0006
#2	-.0008	.4788	6.985	.0045	.0030	23.07	-.0003	-.0017	-.0001	.0026
#3	-.0008	.4666	7.022	.0043	.0031	23.17	-.0001	-.0010	-.0002	.0015
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	10.07	.0000	.1610	.0004	-.0014	.0010	.0017			
Stddev	.03	.000	.0007	.0001	.0006	.0002	.0000			
%RSD	.3053	152.9	.4659	16.88	41.67	19.62	5.605			
#1	10.10	.0000	.1618	.0005	-.0019	.0011	.0017			
#2	10.04	-.0001	.1604	.0004	-.0007	.0008	.0017			
#3	10.06	.0000	.1607	.0003	-.0016	.0011	.0017			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2540.8	7324.3	53094.	8242.5						
Stddev	10.9	22.5	167.	68.6						
%RSD	.42924	.30753	.31522	.83198						
#1	2533.2	7298.8	52913.	8250.7						
#2	2535.8	7332.7	53243.	8306.7						
#3	2553.3	7341.5	53126.	8170.2						

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Sample Name: FA37103-5F Acquired: 9/26/2016 11:04:26 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0001	.0037	.0014	.1996	-.0001	7.104	.0000	-.0003	.0000	.2235
Stddev	.0001	.0063	.0008	.0003	.0000	.035	.000	.0001	.0000	.0000
%RSD	132.6	169.8	56.87	.1259	32.96	.4969	218.4	23.23	.0137	.0137
#1	-.0002	-.0019	.0010	.1994	-.0001	7.138	.0000	-.0003	.0000	.2234
#2	-.0000	.0024	.0023	.1995	.0000	7.107	.0000	-.0003	.0000	.2235
#3	.0000	.0106	.0009	.1998	-.0001	7.068	-.0001	-.0004	.0000	.2234
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	
Avg	.0000	-.0025	18.12	4.748	.0006	-.0004	F85.57	-.0006	-.0002	
Stddev	.0002	.0011	.12	.048	.0000	.0000	.37	.0001	.0004	
%RSD	601.3	43.02	.6347	1.015	5.422	8.661	.4329	25.63	223.7	
#1	.0000	-.0028	18.26	4.786	.0005	-.0004	85.99	-.0006	-.0007	
#2	.0003	-.0034	18.07	4.764	.0006	-.0005	85.36	-.0007	.0000	
#3	-.0002	-.0013	18.05	4.694	.0006	-.0004	85.35	-.0004	.0001	
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062	
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	
Avg	-.0023	.0014	14.08	-.0001	.0479	.0001	-.0015	.0009	.0010	
Stddev	.0002	.0025	.04	.0002	.0001	.0001	.0001	.0002	.0001	
%RSD	8.170	178.1	.3019	318.8	.1843	64.15	9.164	21.25	5.051	
#1	-.0025	.0003	14.04	-.0002	.0478	.0002	-.0015	.0007	.0011	
#2	-.0021	.0043	14.08	.0001	.0478	.0000	-.0016	.0010	.0010	
#3	-.0024	-.0004	14.13	.0000	.0480	.0002	-.0013	.0010	.0010	
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2431.5	7170.5	51437.	8106.0						
Stddev	2.5	4.8	84.	126.6						
%RSD	.10196	.06706	.16349	1.5619						
#1	2428.9	7167.6	51348.	7986.4						
#2	2433.8	7176.1	51515.	8093.2						
#3	2431.9	7167.9	51449.	8238.6						

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Sample Name: FA37116-1 Acquired: 9/26/2016 11:08:33 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	.0004	F560.8	.0020	.0146	-.0001	6.669	-.0001	-.0003
Stddev	.0003	5.7	.0003	.0002	.0001	.018	.0001	.0000
%RSD	73.39	1.009	13.48	1.322	158.2	.2629	80.49	9.764
#1	.0001	565.9	.0019	.0146	.0000	6.649	-.0000	-.0003
#2	.0007	554.7	.0018	.0148	.0000	6.679	-.0001	-.0003
#3	.0005	561.7	.0023	.0144	-.0001	6.679	-.0001	-.0003
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	F6.885	.0263	5.316	43.07	.4760	-.3145	.0016	F739.6
Stddev	.007	.0003	.025	-.24	.0106	.0010	.0002	12.4
%RSD	.1080	.9778	.4772	.5558	2.218	.3103	14.71	1.670
#1	6.893	.0266	5.291	42.84	.4751	.3152	.0016	753.9
#2	6.884	.0261	5.315	43.32	.4660	.3149	.0015	733.3
#3	6.878	.0264	5.342	43.04	.4870	.3134	.0019	731.7
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.0228	-.0046	F-.0357	.0040	1.507	.0072	.0540	.0695
Stddev	.0001	.0006	.0029	.0012	.001	.0005	.0002	.0007
%RSD	.2470	12.97	8.245	30.64	.0832	7.069	.2814	.9684
#1	.0228	-.0049	-.0330	.0029	1.506	.0069	.0539	.0703
#2	.0229	-.0039	-.0353	.0039	1.506	.0069	.0542	.0694
#3	.0228	-.0049	-.0389	.0054	1.508	.0078	.0539	.0689
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	.0029	.0361	.2007					
Stddev	.0006	.0004	.0008					
%RSD	21.60	1.112	.4149					
#1	.0036	.0366	.2014					
#2	.0024	.0358	.1998					
#3	.0026	.0360	.2008					

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Sample Name: FA37116-1 Acquired: 9/26/2016 11:08:33 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1918.7	6701.3	45808.	8029.0
Stddev	1.6	16.5	76.	75.6
%RSD	.08507	.24552	.16491	.94152
#1	1916.8	6688.6	45777.	8052.4
#2	1919.9	6719.9	45753.	8090.1
#3	1919.2	6695.4	45894.	7944.4

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Sample Name: FA37116-2 Acquired: 9/26/2016 11:12:51 Type: Unk
Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.005	92.35	.0000	.0012	.0000	1.208	-0.001	-0.002
Stddev	.0002	.46	.001	.0001	.000	.009	.0000	.0000
%RSD	44.63	.4950	1650.	6.343	112.4	.7018	24.80	18.67

#1	-0.004	92.47	-0.001	.0013	.0000	1.211	.0000	-0.001
#2	-0.008	91.84	-0.006	.0011	.0000	1.198	-0.001	-0.002
#3	-0.004	92.73	.0006	.0013	-0.001	1.214	-0.001	-0.002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	1.219	.0030	.5881	9.628	.1305	.0201	.0003	F202.6
Stddev	.001	.0002	.0035	.072	.0076	.0001	.0001	2.0
%RSD	.0651	5.796	.5911	.7495	5.820	.5069	37.23	.9927

#1	1.218	.0032	.5919	9.645	.1315	.0200	.0002	202.6
#2	1.218	.0028	.5852	9.549	.1376	.0200	.0004	200.5
#3	1.219	.0031	.5872	9.690	.1225	.0202	.0002	204.6

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.0049	-0.048	F-.0058	.0007	.3765	.0009	.0071	.0079
Stddev	.0001	.0004	.0002	.0020	.0011	.0001	.0001	.0001
%RSD	1.425	8.003	3.861	283.6	.2970	14.36	1.295	.7858

#1	.0049	-0.048	-0.061	.0005	.3768	.0010	.0071	.0079
#2	.0048	-0.045	-0.059	-0.012	.3775	.0009	.0071	.0078
#3	.0050	-0.052	-0.056	.0028	.3753	.0008	.0072	.0080

Elem	Ti1908	V_2924	Zn2062
IS Ref	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.002	.0054	.0516
Stddev	.0005	.0002	.0001
%RSD	201.5	4.355	.1818

#1	.0003	.0052	.0517
#2	-0.005	.0056	.0516
#3	-0.005	.0053	.0515

Sample Name: FA37116-2 Acquired: 9/26/2016 11:12:51 Type: Unk
Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2280.0	7240.9	49921.	7971.5
Stddev	1.3	11.6	145.	26.1
%RSD	.05911	.16019	.28980	.32691

#1	2281.5	7235.2	50031.	7947.8
#2	2278.8	7233.2	49974.	7967.5
#3	2279.8	7254.2	49757.	7999.4

Sample Name: FA37116-3 Acquired: 9/26/2016 11:17:04 Type: Unk
Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	.0002	161.7	.0003	.0028	.0000	.4262	.0001	.0012
Stddev	.0004	.2	.0008	.0003	.000	.0035	.0000	.0002
%RSD	223.7	.1280	255.4	11.47	152.0	.8138	36.83	17.05

#1	.0006	161.9	.0001	.0025	.0000	.4255	.0001	.0013
#2	.0001	161.8	.0011	.0028	.0000	.4300	.0001	.0012
#3	-0.002	161.5	-0.004	.0031	-0.001	.4232	.0002	.0009

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	F13.56	.0242	.3054	F264.6	.0295	.0803	.0056	F516.1
Stddev	.02	.0005	.0027	1.5	.0169	.0001	.0001	7.9
%RSD	.1769	1.866	.8898	.5853	57.12	.1850	2.206	1.535

#1	13.53	.0239	.3024	265.9	.0447	.0801	.0056	525.0
#2	13.58	.0247	.3077	265.1	.0325	.0804	.0058	513.2
#3	13.57	.0240	.3061	262.9	.0114	.0803	.0056	510.0

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.1463	F-.0082	F-.0592	.0023	.1550	.0002	.0083	.0042
Stddev	.0002	.0007	.0028	.0011	.0007	.0001	.0001	.0001
%RSD	.1288	8.830	4.648	48.35	.4603	24.59	.9698	2.616

#1	.1463	-0.086	-0.620	.0029	.1546	.0002	.0083	.0041
#2	.1466	-0.073	-0.565	.0010	.1559	.0003	.0083	.0043
#3	.1462	-0.086	-0.591	.0030	.1546	.0002	.0082	.0041

Elem	Ti1908	V_2924	Zn2062
IS Ref	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.016	.0141	.6017
Stddev	.0011	.0002	.0010
%RSD	68.60	1.099	.1681

#1	-0.006	.0142	.6009
#2	-0.014	.0139	.6029
#3	-0.027	.0142	.6014

Sample Name: FA37116-3 Acquired: 9/26/2016 11:17:04 Type: Unk
Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2073.9	6503.2	47157.	7929.3
Stddev	2.7	12.7	140.	32.3
%RSD	.12950	.19483	.29587	.40698

#1	2076.8	6515.4	47306.	7913.0
#2	2071.5	6490.1	47137.	7966.5
#3	2073.4	6504.2	47029.	7908.5

Sample Name: FA37116-4 Acquired: 9/26/2016 11:21:25 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	.0029	81.93	-0.442	.0490	-0.0003	7.761	.0004	.0083
Stddev	.0022	.34	.0033	.0007	.0003	.040	.0001	.0003
%RSD	76.91	.4153	7.519	1.395	104.0	.5148	22.86	4.198

#1	.0004	82.16	-.0404	.0491	.0000	7.807	.0004	.0082
#2	.0046	82.09	-.0460	.0497	-.0002	7.747	.0003	.0080
#3	.0038	81.54	-.0463	.0483	-.0006	7.731	.0004	.0087

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	F127.4	.1692	8.795	126.2	4.057	5.090	.0037	186.5
Stddev	1.0	.0003	.017	.5	.029	.0018	.0001	.4
%RSD	.7841	.1746	.1963	.3799	.7221	.3548	2.555	.2276

#1	127.0	.1692	8.805	126.2	4.023	5.069	.0037	186.2
#2	128.5	.1695	8.805	126.7	4.077	5.102	.0038	187.0
#3	126.6	.1689	8.776	125.7	4.070	5.098	.0036	186.3

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.7227	-.0103	F-.4375	-.0085	3.434	-.0026	.0391	.0664
Stddev	.0032	.0014	.0130	.0045	.007	.0006	.0002	.0029
%RSD	.4474	14.02	2.962	52.82	.1992	21.86	.5804	4.360

#1	.7227	-.0090	-.4298	-.0040	3.431	-.0032	.0390	.0641
#2	.7195	-.0119	-.4524	-.0084	3.430	-.0024	.0394	.0654
#3	.7260	-.0100	-.4301	-.0130	3.442	-.0021	.0389	.0696

Elem	Ti1908	V_2924	Zn2062
IS Ref	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0070	-.0333	6.785
Stddev	.0021	.0019	.012
%RSD	29.92	5.834	.1757

#1	-.0087	-.0354	6.787
#2	-.0077	-.0315	6.773
#3	-.0047	-.0331	6.797

Sample Name: FA37116-4 Acquired: 9/26/2016 11:21:25 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2519.3	6565.4	53295.	8307.3
Stddev	4.0	17.1	300.	43.8
%RSD	.15793	.26054	.56326	.52740

#1	2516.2	6556.2	53411.	8335.1
#2	2523.8	6585.2	52954.	8256.8
#3	2517.9	6554.9	53520.	8330.1

Sample Name: FA37116-5 Acquired: 9/26/2016 11:25:37 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	.0082	146.1	F-.5014	.0221	-.0005	6.289	.0025	-.0250
Stddev	.0017	.3	.0049	.0023	.0003	.042	.0002	.0006
%RSD	20.06	.2361	.9716	10.38	53.51	.6648	7.735	2.254

#1	.0064	146.1	-.5013	.0236	-.0003	6.241	.0023	-.0245
#2	.0089	146.4	-.4967	.0233	-.0008	6.308	.0026	-.0250
#3	.0095	145.7	-.5064	.0195	-.0005	6.317	.0027	-.0256

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	F645.9	.4436	42.62	53.39	10.04	1.230	.0338	93.57
Stddev	3.1	.0025	.10	.16	.11	.005	.0009	.25
%RSD	.4852	.5656	.2318	.3045	1.101	.3735	2.542	.2695

#1	648.2	.4439	42.51	53.21	10.07	1.235	.0330	93.45
#2	647.1	.4409	42.70	53.51	10.13	1.226	.0338	93.86
#3	642.3	.4459	42.65	53.47	9.915	1.230	.0347	93.40

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	1.767	-.0122	.1513	-.0953	5.266	-.0198	.0538	.2759
Stddev	.007	.0071	.0552	.0253	.013	.0031	.0001	.0011
%RSD	.3820	58.30	36.47	26.58	.2533	15.49	.1444	.4166

#1	1.760	-.0205	.0963	-.1234	5.251	-.0213	.0538	.2770
#2	1.768	-.0084	.1509	-.0742	5.275	-.0220	.0539	.2747
#3	1.774	-.0078	.2066	-.0882	5.273	-.0163	.0538	.2761

Elem	Ti1908	V_2924	Zn2062
IS Ref	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0337	*****	F107.9
Stddev	.0041	----	.2
%RSD	12.30	----	.1616

#1	-.0309	----	107.9
#2	-.0385	----	107.8
#3	-.0318	----	108.1

Sample Name: FA37116-5 Acquired: 9/26/2016 11:25:37 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2608.5	5100.1	54672.	8493.9
Stddev	12.3	13.5	170.	27.1
%RSD	.47302	.26395	.31113	.31963

#1	2616.6	5104.5	54479.	8523.7
#2	2614.5	5110.9	54736.	8487.6
#3	2594.3	5085.0	54801.	8470.5

Sample Name: CCV Acquired: 9/26/2016 11:29:48 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2552	41.58	2.089	2.089	2.062	41.57	2.039	2.038	2.066	2.085
Stddev	.0014	.20	.005	.002	.008	.19	.002	.001	.004	.004
%RSD	.5575	.4854	.2271	.0790	.3913	.4507	.0987	.0226	.1737	.2155
#1	2558	41.41	2.085	2.091	2.056	41.42	2.037	2.038	2.070	2.090
#2	2536	41.80	2.089	2.089	2.071	41.78	2.041	2.038	2.063	2.082
#3	2563	41.53	2.094	2.088	2.060	41.51	2.039	2.038	2.065	2.083

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	41.10	42.13	40.76	2.145	2.060	41.28	2.094	2.043	2.052	2.078
Stddev	.18	.22	.21	.016	.003	.15	.003	.005	.003	.005
%RSD	.4420	.5302	.5240	.7648	.1432	.3540	.1380	.2447	.1204	.2613
#1	41.00	42.04	40.66	2.137	2.057	41.19	2.091	2.044	2.051	2.078
#2	41.31	42.38	41.00	2.134	2.061	41.45	2.095	2.038	2.051	2.073
#3	40.99	41.96	40.61	2.164	2.063	41.19	2.096	2.048	2.055	2.084

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.340	2.041	2.098	2.131	2.063	2.034	2.051
Stddev	.006	.002	.007	.005	.004	.005	.003
%RSD	.2507	.1195	.3487	.2291	.1858	.2662	.1591
#1	2.335	2.039	2.092	2.135	2.066	2.038	2.048
#2	2.338	2.044	2.106	2.126	2.059	2.028	2.054
#3	2.346	2.040	2.096	2.133	2.065	2.035	2.050

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 9/26/2016 11:29:48 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2354.1	7344.8	51561.	8197.9
Stddev	2.9	14.1	179.	91.1
%RSD	.12363	.19139	.34721	1.1112
#1	2355.6	7356.9	51383.	8196.2
#2	2356.0	7329.4	51741.	8107.6
#3	2350.8	7348.1	51559.	8289.8

Sample Name: CCB Acquired: 9/26/2016 11:33:54 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0056	.0006	.0001	.0002	.0067	.0001	.0001	F.0012
Stddev	.0003	.0089	.0004	.0002	.0001	.0016	.0000	.0001	.0000
%RSD	188.6	158.2	55.86	124.3	51.41	23.64	49.14	242.2	3.965
#1	.0003	.0091	.0002	.0003	.0002	.0083	.0001	.0001	.0013
#2	.0003	.0121	.0007	.0001	.0002	.0052	.0000	.0001	.0012
#3	-.0002	-.0045	.0009	.0000	.0001	.0065	.0001	-.0001	.0012

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail
 High Limit .0010
 Low Limit -.0010

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0116	.0329	.0049	.0001	F.0017	.0826	.0002	.0000
Stddev	.0006	.0036	.0037	.0032	.0001	.0005	.0054	.0001	.0004
%RSD	107.7	31.02	11.24	64.18	44.04	30.72	6.489	62.11	1532.
#1	-.0001	.0144	.0288	.0086	.0002	.0022	.0877	.0002	.0003
#2	.0011	.0127	.0339	.0029	.0001	.0016	.0770	.0002	.0002
#3	.0006	.0075	.0359	.0033	.0001	.0012	.0830	.0000	-.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit .0010
 Low Limit -.0010

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	-.0001	.0018	.0001	.0002	.0005	-.0002	.0001	.0002
Stddev	.0009	.0015	.0006	.0003	.0001	.0001	.0004	.0000	.0001
%RSD	318.2	1999.	33.30	222.9	46.71	25.90	163.8	7.351	28.49
#1	.0011	.0014	.0014	.0002	.0002	.0006	.0001	.0001	.0003
#2	.0004	-.0015	.0025	.0003	.0002	.0005	-.0007	.0001	.0002
#3	-.0007	-.0002	.0016	-.0002	.0001	.0004	-.0002	.0001	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 9/26/2016 11:33:54 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2738.5	7630.5	54536.	8195.2
Stddev	10.0	21.5	284.	61.7
%RSD	.36414	.28119	.52165	.75248
#1	2741.6	7646.9	54455.	8212.3
#2	2746.6	7638.3	54302.	8246.4
#3	2727.4	7606.2	54853.	8126.7

Sample Name: FA37116-6 Acquired: 9/26/2016 11:38:05 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	.0017	227.9	-0.220	.0002	-0.0001	14.59	.0013	.0270
Stddev	.0014	.5	.0021	.0007	.0002	.05	.0002	.0009
%RSD	86.01	.1988	9.725	376.2	346.8	.3631	13.09	3.196

#1	.0020	228.1	-0.199	-0.0003	.0002	14.58	.0012	.0268
#2	.0029	228.2	-0.242	-0.0001	-0.0003	14.65	.0011	.0279
#3	.0001	227.4	-0.220	.0010	-0.0001	14.55	.0014	.0263

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	F146.6	.3247	.6376	114.0	10.32	1.269	.0074	92.22
Stddev	.7	.0025	.0080	.1	.13	.003	.0007	.21
%RSD	.4701	.7566	1.249	.0974	1.294	.2297	9.700	.2319

#1	146.9	.3270	.6331	114.1	10.17	1.266	.0081	92.31
#2	145.8	.3249	.6328	114.1	10.38	1.271	.0076	92.38
#3	147.1	.3221	.6468	113.9	10.41	1.270	.0066	91.98

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.9384	F-.0259	F-.4097	-.0139	5.958	-.0081	.0462	.0447
Stddev	.0034	.0013	.0281	.0070	.016	.0014	.0005	.0006
%RSD	.3587	5.045	6.860	50.10	.2602	17.57	.9973	1.413

#1	.9374	-.0260	-.4171	-.0060	5.942	-.0070	.0467	.0454
#2	.9421	-.0272	-.3786	-.0190	5.959	-.0076	.0458	.0441
#3	.9356	-.0246	-.4333	-.0168	5.973	-.0097	.0462	.0447

Elem	Ti1908	V_2924	Zn2062
IS Ref	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0066	-.0480	10.12
Stddev	.0018	.0011	.03
%RSD	26.98	2.394	.2823

#1	-.0086	-.0475	10.09
#2	-.0057	-.0493	10.13
#3	-.0054	-.0471	10.15

Sample Name: FA37116-6 Acquired: 9/26/2016 11:38:05 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2521.0	6526.1	53241.	8234.5
Stddev	3.5	18.8	100.	83.1
%RSD	.13745	.28764	.18858	1.0095

#1	2521.3	6544.3	53313.	8253.6
#2	2524.4	6527.3	53126.	8143.5
#3	2517.5	6506.8	53283.	8306.4

Sample Name: FA37116-7 Acquired: 9/26/2016 11:42:18 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	.0004	70.22	-.0238	-.0004	-.0002	3.834	.0006	.0092
Stddev	.0015	.17	.0054	.0011	.0001	.021	.0002	.0004
%RSD	399.0	.2470	22.52	300.6	77.70	.5484	30.35	3.998

#1	-.0002	70.31	-.0298	.0009	-.0002	3.854	.0007	.0088
#2	-.0008	70.03	-.0220	-.0011	.0000	3.837	.0006	.0092
#3	.0021	70.34	-.0195	-.0008	-.0003	3.812	.0004	.0096

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	F97.39	.1698	.0591	129.7	4.805	.6555	.0021	114.3
Stddev	1.00	.0013	.0017	.1	.039	.0011	.0005	.1
%RSD	1.029	.7923	2.892	.0847	.8094	.1646	22.58	.1081

#1	96.24	.1711	.0573	129.6	4.769	.6558	.0016	114.2
#2	97.92	.1685	.0592	129.7	4.799	.6564	.0024	114.3
#3	98.03	.1699	.0608	129.8	4.846	.6543	.0024	114.5

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.6018	-.0107	F-.3137	-.0051	2.655	-.0048	.0038	.0279
Stddev	.0014	.0026	.0102	.0079	.011	.0002	.0003	.0004
%RSD	.2327	24.17	3.255	154.2	.4191	4.271	7.912	1.528

#1	.6002	-.0136	-.3051	-.0030	2.645	-.0051	.0039	.0274
#2	.6029	-.0086	-.3110	.0015	2.653	-.0047	.0040	.0282
#3	.6023	-.0099	-.3250	-.0139	2.667	-.0047	.0034	.0281

Elem	Ti1908	V_2924	Zn2062
IS Ref	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0064	-.0324	6.109
Stddev	.0027	.0034	.008
%RSD	42.32	10.61	.1256

#1	-.0090	-.0355	6.104
#2	-.0036	-.0330	6.105
#3	-.0065	-.0287	6.118

Sample Name: FA37116-7 Acquired: 9/26/2016 11:42:18 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2534.5	6752.0	52842.	8318.1
Stddev	9.7	4.1	233.	39.1
%RSD	.38372	.06016	.44096	.47051

#1	2526.7	6749.1	53063.	8332.4
#2	2531.3	6756.6	52598.	8348.1
#3	2545.4	6750.3	52865.	8273.8

Sample Name: FA36931-1 Acquired: 9/26/2016 11:46:32 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0007	3.586	.0001	.0166	.0001	5.225	.0001	.0002	.0053	.6714
Stddev	.0004	.007	.0004	.0000	.0000	.011	.0000	.0000	.0001	.0031
%RSD	55.77	.2093	370.3	.2838	61.36	.2175	26.00	17.80	1.995	.4580
#1	.0009	3.578	.0006	.0166	.0001	5.212	.0001	.0002	.0052	.6711
#2	.0010	3.593	-.0001	.0167	.0000	5.232	.0001	.0003	.0054	.6746
#3	.0003	3.588	-.0002	.0166	.0001	5.231	.0000	.0002	.0052	.6685
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)	(Y_2243)	(Y_2243)
Avg	.4391	9.272	.3537	.0284	.0070	39.88	.0010	-.0003	-.0002	.0010
Stddev	.0024	.027	.0020	.0002	.0001	.06	.0001	.0006	.0003	.0015
%RSD	.5516	.2888	.5520	.7428	1.698	.1550	11.17	222.6	136.9	142.4
#1	.4370	9.263	.3560	.0287	.0071	39.83	.0010	-.0002	-.0005	.0006
#2	.4385	9.252	.3529	.0284	.0070	39.87	.0011	-.0009	.0000	-.0001
#3	.4418	9.303	.3523	.0283	.0069	39.95	.0009	.0003	-.0001	.0027
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)			
Avg	1.814	.0006	.0072	.0205	-.0019	.0203	.0492			
Stddev	.004	.0002	.0000	.0001	.0007	.0002	.0000			
%RSD	.2013	34.69	.5161	.3905	38.38	.7605	.0852			
#1	1.810	.0003	.0072	.0205	-.0026	.0201	.0492			
#2	1.814	.0007	.0072	.0206	-.0012	.0204	.0492			
#3	1.817	.0006	.0072	.0205	-.0017	.0203	.0492			
Int. Std.	ln2306	Y_2243	Y_3600	Y_3710						
Avg	2481.1	7496.9	53581.	8407.2						
Stddev	.3	6.8	156.	63.2						
%RSD	.01309	.09120	.29123	.75125						
#1	2480.9	7496.2	53454.	8451.0						
#2	2481.0	7504.0	53534.	8435.7						
#3	2481.5	7490.4	53755.	8334.8						

Sample Name: FA36932-1 Acquired: 9/26/2016 11:50:38 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0007	14.96	.0938	.0772	.0003	2.082	.0009	.0000	.0137
Stddev	.0003	.03	.0013	.0004	.0000	.009	.0000	.0000	.0002
%RSD	44.79	.1819	1.386	.5118	7.546	.4102	.1409	187.2	1.307
#1	.0005	14.99	.0945	.0770	.0003	2.092	.0009	-.0001	.0139
#2	.0011	14.95	.0923	.0770	.0003	2.077	.0009	.0000	.0136
#3	.0005	14.94	.0946	.0777	.0003	2.077	.0009	.0000	.0135
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.0054	.1676	4.333	.3177	.0288	.0021	31.27	.0077	.1912
Stddev	.0002	.0019	.009	.0091	.0002	.0001	.05	.0002	.0011
%RSD	3.001	1.125	.2078	2.858	.6387	2.389	.1586	2.009	.5825
#1	.0055	.1693	4.324	.3270	.0290	.0022	31.32	.0078	.1924
#2	.0055	.1656	4.341	.3175	.0287	.0021	31.27	.0075	.1909
#3	.0052	.1679	4.335	.3088	.0286	.0022	31.22	.0077	.1903
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	F20.16	.0070	8.694	.0003	.0219	.0025	.0032	.0003	1.641
Stddev	.07	.0027	.029	.0000	.0000	.0001	.0006	.0001	.001
%RSD	.3538	38.92	.3329	10.74	.1955	4.922	18.98	26.84	.0684
#1	20.10	.0074	8.673	.0003	.0219	.0026	.0038	.0002	1.642
#2	20.14	.0041	8.682	.0003	.0219	.0023	.0031	.0004	1.640
#3	20.24	.0095	8.727	.0002	.0219	.0025	.0026	.0004	1.641
Int. Std.	ln2306	Y_2243	Y_3600	Y_3710					
Avg	2489.4	7362.4	52303.	8025.5					
Stddev	4.6	8.5	35.	28.3					
%RSD	.18444	.11592	.06758	.35240					
#1	2484.1	7355.4	52271.	8048.9					
#2	2492.1	7371.9	52296.	8033.5					
#3	2492.0	7359.8	52341.	7994.1					

7.1
7

Sample Name: FA36934-1 Acquired: 9/26/2016 11:54:43 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0011	2.644	-.0011	.0059	-.0001	2.443	.0000	.0000	.0023
Stddev	.0002	.013	.0004	.0001	.0000	.006	.0000	.0000	.0001
%RSD	18.70	.4977	32.37	1.569	63.78	.2663	395.4	43.67	3.779
#1	.0010	2.659	-.0009	.0059	-.0001	2.440	.0000	.0000	.0023
#2	.0009	2.636	-.0015	.0059	-.0001	2.450	.0000	.0000	.0022
#3	.0013	2.638	-.0009	.0060	.0000	2.438	.0000	.0000	.0024
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.0095	.1656	12.30	.5889	.0054	-.0002	F91.61	.0011	-.0003
Stddev	.0004	.0006	.10	.0229	.0000	.0000	.46	.0001	.0002
%RSD	4.550	.3421	.8422	3.893	.4189	27.87	.5059	13.34	73.23
#1	.0094	.1660	12.39	.6058	.0055	-.0002	92.00	.0012	.0000
#2	.0092	.1658	12.31	.5980	.0054	-.0001	91.72	.0009	-.0004
#3	.0100	.1650	12.18	.5628	.0055	-.0001	91.10	.0011	-.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	.0009	.0005	.3786	.0004	.0080	.0008	-.0016	.0006	.0235
Stddev	.0005	.0008	.0009	.0002	.0001	.0000	.0005	.0001	.0000
%RSD	60.80	182.2	.2368	53.22	1.029	1.679	28.13	23.61	.0966
#1	.0014	-.0001	.3796	.0006	.0079	.0008	-.0012	.0006	.0235
#2	.0003	.0001	.3778	.0003	.0079	.0008	-.0021	.0006	.0236
#3	.0009	.0014	.3785	.0002	.0080	.0008	-.0017	.0004	.0235
Int. Std.	ln2306	Y_2243	Y_3600	Y_3710					
Avg	2395.9	7101.5	50308.	7934.7					
Stddev	3.0	11.7	208.	13.5					
%RSD	.12443	.16431	.41433	.16979					
#1	2396.6	7095.6	50531.	7923.8					
#2	2392.7	7094.0	50275.	7949.8					
#3	2398.6	7114.9	50118.	7930.6					

Sample Name: FA37146-21 Acquired: 9/26/2016 11:58:51 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.0701	-.0006	.0485	-.0001	80.18	.0001	.0003	.0016
Stddev	.0003	.0027	.0003	.0002	.0000	.33	.0000	.0001	.0001
%RSD	530.5	3.831	50.43	4.211	16.97	.4177	23.20	24.32	4.430
#1	.0004	.0695	-.0003	.0486	-.0001	80.56	.0001	.0003	.0016
#2	.0000	.0677	-.0006	.0486	-.0001	79.94	.0001	.0002	.0017
#3	-.0002	.0730	-.0009	.0483	-.0001	80.04	.0001	.0003	.0016
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.0006	2.015	15.92	11.54	.1059	-.0001	F154.9	.0007	-.0030
Stddev	.0002	.003	.05	.08	.0001	.0000	2.1	.0002	.0009
%RSD	41.59	.1259	.3270	.6662</					

Sample Name: CCV Acquired: 9/26/2016 12:03:07 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2538	41.86	2.113	2.092	2.086	41.81	2.043	2.044	2.069	2.111
Stddev	.0011	.12	.003	.005	.008	.15	.006	.003	.005	.008
%RSD	.4166	.2868	.1219	.2300	.3655	.3547	.3008	.1348	.2336	.3620
#1	2550	41.73	2.110	2.096	2.077	41.64	2.041	2.042	2.074	2.118
#2	2529	41.96	2.115	2.087	2.090	41.90	2.039	2.043	2.065	2.103
#3	2536	41.90	2.114	2.095	2.090	41.90	2.051	2.047	2.068	2.112

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	41.53	42.73	40.48	2.168	2.071	41.56	2.113	2.052	2.071	2.101
Stddev	.14	.17	.05	.009	.004	.17	.001	.004	.005	.001
%RSD	.3352	.4037	.1154	.4368	.1724	.4177	.0612	.2213	.2492	.0456
#1	41.37	42.53	40.48	2.166	2.069	41.37	2.111	2.050	2.065	2.101
#2	41.64	42.87	40.52	2.159	2.069	41.61	2.113	2.050	2.076	2.100
#3	41.57	42.77	40.43	2.178	2.075	41.71	2.114	2.058	2.072	2.102

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.363	2.037	2.122	2.150	2.076	2.034	2.058
Stddev	.001	.007	.006	.011	.001	.001	.007
%RSD	.0400	.3485	.2759	.5166	.0576	.0599	.3493
#1	2.362	2.035	2.115	2.159	2.074	2.034	2.055
#2	2.364	2.031	2.124	2.138	2.077	2.034	2.053
#3	2.362	2.045	2.126	2.153	2.075	2.032	2.066

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 9/26/2016 12:03:07 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2350.0	7350.1	51391.1	8182.8
Stddev	5.4	21.7	232.0	42.9
%RSD	.23073	.29478	.45048	.52370
#1	2355.6	7361.8	51127.0	8201.6
#2	2349.6	7363.4	51561.0	8133.8
#3	2344.8	7325.1	51484.0	8213.1

Sample Name: CCB Acquired: 9/26/2016 12:07:11 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0031	.0004	.0002	.0001	.0063	.0000	.0001	.0002
Stddev	.0003	.0041	.0007	.0001	.0001	.0015	.0000	.0000	.0001
%RSD	302.4	132.6	164.5	55.98	61.80	24.26	137.3	5.860	29.48
#1	.0005	.0016	.0011	.0003	.0002	.0081	.0001	.0001	.0003
#2	-.0002	-.0060	.0004	.0003	.0001	.0055	.0000	.0001	.0001
#3	.0001	-.0050	-.0003	.0001	.0001	.0053	.0000	.0001	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0136	-.0166	.0068	.0001	F .0018	.0774	.0001	.0001
Stddev	.0002	.0050	.0392	.0129	.0000	.0005	.0030	.0001	.0003
%RSD	34.41	37.20	236.9	190.1	19.87	27.37	3.902	67.13	234.6
#1	.0006	.0185	-.0524	.0217	.0001	.0024	.0785	.0002	-.0001
#2	.0003	.0137	.0254	-.0018	.0001	.0017	.0797	.0001	.0005
#3	.0006	.0084	-.0227	.0006	.0001	.0014	.0740	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	-.0006	.0016	-.0001	.0002	.0005	.0005	.0001	.0002
Stddev	.0002	.0009	.0004	.0001	.0000	.0001	.0004	.0001	.0000
%RSD	103.5	163.9	28.39	52.05	4.603	10.36	71.27	180.5	11.35
#1	-.0001	-.0015	.0021	-.0001	.0002	.0005	.0003	.0000	.0002
#2	-.0004	.0004	.0012	-.0002	.0002	.0005	.0009	.0002	.0002
#3	.0000	-.0006	.0014	-.0001	.0002	.0006	.0003	.0000	.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 9/26/2016 12:07:11 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2739.5	7639.6	54623.0	8301.9
Stddev	3.2	8.1	165.0	43.3
%RSD	.11515	.10662	.30295	.52213
#1	2737.5	7641.5	54501.0	8288.6
#2	2743.1	7646.7	54558.0	8350.3
#3	2737.9	7630.7	54812.0	8266.7

Sample Name: MP30865-S1 Acquired: 9/26/2016 12:17:40 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0491	30.08	2.201	2.349	.0571	58.90	.0548	5.438	2.327	2.822
Stddev	.0006	.05	.004	.010	.0002	.03	.0001	.0008	.0011	.0009
%RSD	1.297	.1686	.1585	.4126	.3396	.0552	.1717	.1554	.4559	.3307

#1	.0498	30.07	2.204	2.347	.0569	58.90	.0549	5.438	2.334	2.822
#2	.0489	30.03	2.197	2.341	.0571	58.86	.0547	5.430	2.334	2.812
#3	.0486	30.13	2.202	2.360	.0573	58.93	.0548	5.447	2.315	2.831

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	30.29	33.97	36.06	6.594	5.358	96.73	7.341	5.326	5.464	2.215
Stddev	.01	.09	.05	.0019	.0016	.14	.0004	.0014	.0016	.008
%RSD	.0189	.2673	.1465	.2924	.3071	.1429	.0491	.2704	.2956	.3424

#1	30.28	33.88	36.08	.6602	.5366	96.85	.7344	.5311	.5477	2.215
#2	30.28	33.97	35.99	.6608	.5339	96.58	.7337	.5340	.5446	2.207
#3	30.29	34.06	36.09	.6572	.5369	96.77	.7341	.5328	.5469	2.222

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	9.108	5.277	.6443	.5510	2.157	.5030	.5727
Stddev	.013	.0011	.0004	.0015	.005	.0007	.0011
%RSD	.1424	.2068	.0546	.2713	.2005	.1320	.1991

#1	9.111	5.273	.6444	.5521	2.163	.5038	.5714
#2	9.093	5.289	.6440	.5516	2.152	.5026	.5734
#3	9.119	5.269	.6447	.5493	2.155	.5026	.5734

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2395.9	7260.1	5141.3	7983.6
Stddev	4.6	11.5	189.	36.3
%RSD	.19135	.15855	.36759	.45494

#1	2399.8	7272.5	5147.3	7997.9
#2	2390.8	7257.8	51201.	8010.5
#3	2397.2	7249.8	51564.	7942.3

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Sample Name: MP30865-S2 Acquired: 9/26/2016 12:21:38 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0483	29.48	2.153	2.297	.0556	57.41	.0537	5.337	2.272	2.761
Stddev	.0003	.02	.005	.006	.0002	.13	.0000	.0002	.0014	.0005
%RSD	.5528	.0604	.2153	.2465	.2849	.2180	.0212	.0446	.6110	.1953

#1	.0482	29.48	2.156	2.291	.0557	57.53	.0537	5.337	2.268	2.759
#2	.0486	29.49	2.148	2.301	.0555	57.28	.0537	5.334	2.260	2.757
#3	.0481	29.46	2.155	2.300	.0558	57.44	.0537	5.339	2.287	2.767

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	29.56	33.22	35.08	6.428	5.240	94.17	7.176	5.227	5.325	2.170
Stddev	.05	.12	.26	.0020	.0008	.17	.0006	.0013	.0009	.003
%RSD	.1831	.3540	.7443	.3153	.1568	.1832	.0823	.2534	.1637	.1154

#1	29.59	33.28	35.31	.6431	.5236	94.36	.7183	.5212	.5330	2.170
#2	29.50	33.09	34.80	.6406	.5235	94.02	.7172	.5236	.5331	2.168
#3	29.59	33.30	35.13	.6446	.5250	94.14	.7172	.5233	.5315	2.173

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	8.889	5.179	.6299	.5374	2.111	.4929	.5683
Stddev	.017	.0023	.0008	.0006	.003	.0015	.0009
%RSD	.1960	.4515	.1271	.1093	.1549	.3020	.1505

#1	8.897	5.153	.6292	.5375	2.109	.4940	.5686
#2	8.869	5.199	.6308	.5367	2.109	.4912	.5690
#3	8.901	5.184	.6296	.5379	2.114	.4934	.5674

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2403.8	7264.9	5151.6	8062.5
Stddev	7.0	9.8	145.	90.5
%RSD	.29323	.13487	.28059	1.1224

#1	2410.6	7274.5	51534.	7972.2
#2	2404.2	7254.9	51651.	8153.1
#3	2396.5	7265.4	51363.	8062.2

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7.1
7

Sample Name: FA36985-7 Acquired: 9/26/2016 12:30:07 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 20.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0005	.6513	-.0072	.0166	-.0012	3.444	.0013	.0030	.0031
Stddev	.0040	.1305	.0144	.0038	.0006	.065	.0006	.0003	.0037
%RSD	739.3	20.04	199.3	22.71	50.48	1.884	44.81	9.658	120.7

#1	.0048	.7803	-.0233	.0207	-.0007	3.519	.0020	.0033	.0026
#2	.0001	.6541	-.0044	.0157	-.0011	3.410	.0009	.0027	-.0004
#3	-.0032	.5193	-.0027	.0134	-.0019	3.403	.0011	.0030	.0069

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0067	3.034	65.84	1.604	.5143	-.0088	155.7	.0031	F115.8
Stddev	.0049	.031	.78	.320	.0026	.0013	.9	.0008	.2
%RSD	73.42	1.018	1.188	19.93	.4983	14.85	.5911	26.30	.1985

#1	.0100	3.009	66.44	1.745	.5153	-.0093	156.7	.0039	115.9
#2	.0091	3.024	66.13	1.829	.5162	-.0097	155.6	.0032	115.5
#3	.0010	3.068	64.96	1.238	.5114	-.0073	154.9	.0023	115.9

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0306	.0099	.2325	-.0030	.0343	-.0005	-.0079	-.0010	.1671
Stddev	.0228	.0296	.0022	.0028	.0001	.0015	.0099	.0043	.0016
%RSD	74.49	299.1	.9462	95.19	.1590	271.9	124.7	436.0	.9738

#1	-.0106	.0346	.2309	-.0003	.0343	-.0005	-.0002	-.0009	.1687
#2	-.0258	.0181	.2350	-.0049	.0343	-.0009	-.0189	-.0053	.1654
#3	-.0555	-.0230	.2317	-.0043	.0342	-.0020	-.0050	.0033	.1671

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2661.9	7555.0	5396.1	8261.3
Stddev	4.1	9.0	202.	42.8
%RSD	.15568	.11871	.37464	.51796

#1	2657.2	7546.9	54086.	8258.1
#2	2665.0	7553.5	53728.	8305.6
#3	2663.6	7564.7	54070.	8220.2

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Sample Name: FA37141-1 Acquired: 9/26/2016 12:34:17 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0018	95.62	-.0021	.3467	.0008	3123.	.0032	.0093	.1757	.0226
Stddev	.0020	.58	.0091	.0024	.0005	28.	.0000	.0008	.0016	.0032
%RSD	111.2	.6052	425.6	.6996	70.41	.8817	1.342	9.084	.09324	14.35

#1	-.0033	96.01	.0046	.3480	.0009	3129.	.0031	.0095	.1766	.0248
#2	-.0027	95.88	-.01							

Sample Name: FA36895-3 Acquired: 9/26/2016 12:38:31 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0114	9.010	.0054	1.752	-.0006	47.48	.1237	.0064	.3645
Stddev	.0011	.069	.0021	.004	.0001	.17	.0008	.0006	.0017
%RSD	9.543	.7704	38.67	.2254	11.27	.3675	.6111	9.077	.4702
#1	.0126	9.057	.0034	1.757	-.0005	47.58	.1228	.0070	.3665
#2	.0104	9.042	.0076	1.750	-.0007	47.57	.1241	.0059	.3632
#3	.0111	8.930	.0052	1.750	-.0006	47.28	.1241	.0063	.3640
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.601	79.32	3.262	4.018	8677	F25.32	7.513	.3771	8.454
Stddev	.011	.17	.070	.104	.0026	.03	.026	.0009	.016
%RSD	.4255	.2094	2.148	2.592	.2979	.0989	.3419	.2319	.1888
#1	2.593	79.48	3.247	4.094	.8676	25.29	7.541	.3766	8.438
#2	2.597	79.32	3.338	3.900	.8703	25.32	7.506	.3781	8.453
#3	2.613	79.15	3.200	4.062	.8651	25.34	7.492	.3766	8.470
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.4849	.0060	2.487	.1735	.1455	.1782	-.0057	-.0428	16.33
Stddev	.0046	.0052	.003	.0006	.0002	.0005	.0060	.0005	.04
%RSD	.9567	86.68	.1209	.3431	.1317	.2640	106.1	1.110	.2294
#1	.4864	.0105	2.483	.1729	.1457	.1777	-.0054	-.0427	16.29
#2	.4887	.0071	2.489	.1736	.1454	.1786	-.0118	-.0433	16.34
#3	.4797	.0003	2.487	.1740	.1454	.1783	.0002	-.0424	16.36
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2476.0	7456.3	53748.	8367.6					
Stddev	3.2	7.7	149.	31.3					
%RSD	.12748	.10260	.27795	.37434					
#1	2475.8	7464.3	53741.	8348.2					
#2	2479.3	7455.4	53603.	8351.0					
#3	2473.0	7449.1	53901.	8403.8					

Sample Name: FA36895-5 Acquired: 9/26/2016 12:42:35 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0043	.3947	-.0015	6.537	-.0001	5.433	.0000	.0983	.0016	.0019
Stddev	.0004	.0171	.0007	.004	.0000	.018	.0001	.0002	.0005	.0006
%RSD	10.25	4.327	42.98	.0599	37.66	.3413	345.5	.1869	29.22	30.19
#1	.0038	.3792	-.0016	6.534	-.0001	5.427	.0001	.0983	.0011	.0012
#2	.0046	.4131	-.0008	6.541	-.0001	5.418	.0000	.0981	.0019	.0022
#3	.0045	.3919	-.0021	6.535	-.0002	5.454	.0000	.0984	.0017	.0023
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.2065	.2481	.1550	.0079	.0175	.9443	.0003	.0016	-.0030	.0050
Stddev	.0017	.0408	.0170	.0000	.0011	.0204	.0003	.0004	.0011	.0013
%RSD	.8241	16.46	10.98	.5577	6.369	2.157	98.83	24.33	36.81	26.21
#1	.2078	.2907	.1630	.0078	.0188	.9677	.0003	.0015	-.0017	.0052
#2	.2046	.2443	.1665	.0079	.0173	.9350	.0000	.0020	-.0034	.0062
#3	.2072	.2093	.1354	.0079	.0165	.9304	.0006	.0013	-.0038	.0036
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	.3608	.0734	.1554	.0341	-.0020	-.0002	.3615			
Stddev	.0016	.0002	.0004	.0001	.0008	.0002	.0012			
%RSD	.4500	.2934	.2688	.2924	40.75	101.1	.3343			
#1	.3590	.0732	.1553	.0340	-.0020	-.0002	.3619			
#2	.3610	.0735	.1550	.0342	-.0012	.0000	.3601			
#3	.3623	.0736	.1558	.0341	-.0028	-.0005	.3625			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2670.4	7413.2	53241.	8002.2						
Stddev	5.6	8.0	180.	12.0						
%RSD	.20861	.10832	.33753	.14986						
#1	2667.8	7410.5	53146.	7992.5						
#2	2676.8	7422.2	53128.	8015.6						
#3	2666.6	7406.9	53448.	7998.6						

Sample Name: FA37037-2 Acquired: 9/26/2016 12:46:43 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 4.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-.0015	.0253	-.0033	.0200	-.0005	446.3	.0001	-.0001
Stddev	.0013	.0305	.0027	.0007	.0001	.8	.0001	.0004
%RSD	86.81	120.5	81.92	3.421	29.50	.1760	93.55	245.2
#1	-.0027	.0421	-.0031	.0200	-.0004	446.0	.0001	.0002
#2	-.0016	.0436	-.0007	.0206	-.0006	445.7	.0000	-.0005
#3	-.0001	-.0099	-.0061	.0193	-.0003	447.2	.0002	-.0002
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.0031	.0009	1.225	F458.4	1327.	.0356	.0074	F3427.
Stddev	.0003	.0012	.010	1.1	5.	.0001	.0005	144.
%RSD	9.686	125.3	.8175	.2420	.3475	.2209	6.176	4.210
#1	.0034	.0018	1.214	458.4	1329.	.0357	.0079	3593.
#2	.0028	.0014	1.227	459.5	1322.	.0355	.0072	3356.
#3	.0031	-.0004	1.234	457.3	1330.	.0356	.0070	3331.
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	-.0006	F-.0229	-.0089	.0076	1.870	-.0013	8.059	.0029
Stddev	.0008	.0029	.0035	.0043	.004	.0007	.017	.0001
%RSD	134.2	12.60	38.97	56.53	.2110	50.78	.2043	5.054
#1	.0002	-.0204	-.0093	.0063	1.870	-.0007	8.040	.0030
#2	-.0007	-.0260	-.0053	.0124	1.874	-.0013	8.071	.0028
#3	-.0014	-.0222	-.0122	.0041	1.866	-.0020	8.065	.0028
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	-.0055	.0000	.0320					
Stddev	.0034	.001	.0003					
%RSD	61.81	1899.	1.030					
#1	-.0017	-.0006	.0319					
#2	-.0066	-.0003	.0317					
#3	-.0081	.0008	.0324					

Sample Name: FA37037-2 Acquired: 9/26/2016 12:46:43 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 4.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1745.8	5715.2	39266.	7422.6
Stddev	3.0	7.4	155.	49.8
%RSD	.17237	.12965	.39595	.67095
#1	1744.6	5718.0	39089.	7383.7
#2	1749.2	5706.8	39383.	7478.7
#3	1743.5	5720.9	39324.	7405.3

Sample Name: CCV Acquired: 9/26/2016 12:51:00 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2565	41.83	2.094	2.110	2.072	41.56	2.042	2.044	2.062	2.096
Stddev	.0016	.06	.003	.005	.003	.05	.001	.001	.003	.007
%RSD	.6114	.1381	.1287	.2222	.1610	.1175	.0582	.0556	.1209	.3352
#1	2581	41.77	2.098	2.115	2.070	41.54	2.042	2.043	2.060	2.104
#2	2550	41.88	2.093	2.106	2.075	41.61	2.041	2.045	2.062	2.093
#3	2565	41.84	2.093	2.108	2.070	41.52	2.043	2.045	2.065	2.091

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.89	42.78	40.13	2.169	2.068	39.48	2.101	2.044	2.068	2.093
Stddev	.03	.11	.04	.021	.001	.11	.002	.009	.003	.005
%RSD	.0807	.2526	.1095	.9818	.0627	.2897	.1145	.4451	.1265	.2338
#1	40.93	42.68	40.15	2.154	2.067	39.38	2.103	2.049	2.065	2.093
#2	40.88	42.90	40.17	2.159	2.068	39.45	2.098	2.033	2.069	2.088
#3	40.86	42.76	40.08	2.193	2.070	39.60	2.102	2.049	2.070	2.097

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.357	2.047	2.124	2.137	2.071	2.033	2.050
Stddev	.005	.002	.004	.002	.008	.003	.002
%RSD	.2055	.0928	.2017	.0972	.3747	.1326	.1190
#1	2.355	2.045	2.121	2.139	2.076	2.031	2.052
#2	2.363	2.048	2.129	2.135	2.062	2.032	2.047
#3	2.354	2.049	2.123	2.137	2.076	2.036	2.051

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 9/26/2016 12:51:00 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2345.5	7313.7	51368.	8168.5
Stddev	9.5	2.8	200.	31.4
%RSD	.40484	.03892	.38938	.38434
#1	2337.2	7313.8	51582.	8133.0
#2	2355.8	7316.5	51335.	8180.2
#3	2343.6	7310.8	51186.	8192.4

Sample Name: CCB Acquired: 9/26/2016 12:55:05 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0064	.0006	.0001	.0001	.0052	.0001	.0000	.0002
Stddev	.0004	.0028	.0007	.0001	.0001	.0012	.0000	.0002	.0003
%RSD	690.8	44.44	121.7	100.8	56.98	23.08	37.64	9909.	122.0
#1	.0005	-.0067	.0002	.0000	.0001	.0051	.0000	-.0001	.0001
#2	-.0001	-.0034	.0014	.0002	.0001	.0065	.0001	.0002	.0005
#3	-.0002	-.0091	.0001	.0002	.0002	.0041	.0001	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.0093	.0342	.0100	.0001	F .0018	.2294	.0001	-.0001
Stddev	.0002	.0016	.0328	.0085	.0000	.0004	.0083	.0001	.0003
%RSD	34.40	17.04	96.04	84.80	14.26	21.96	3.630	94.90	304.7
#1	.0005	.0109	.0484	.0047	.0001	.0023	.2385	.0000	.0001
#2	.0009	.0093	.0575	.0055	.0001	.0017	.2274	.0002	.0000
#3	.0005	.0077	-.0034	.0197	.0001	.0015	.2223	.0000	-.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0008	-.0007	.0021	.0001	.0001	.0004	.0004	.0000	.0000
Stddev	.0008	.0003	.0003	.0001	.0000	.0001	.0003	.0002	.0000
%RSD	98.75	37.94	11.91	214.2	78.76	27.70	71.49	504.7	98.34
#1	-.0002	-.0010	.0018	.0001	.0001	.0004	.0003	-.0002	.0001
#2	-.0005	-.0004	.0022	.0002	.0001	.0005	.0008	.0001	.0001
#3	-.0018	-.0008	.0023	-.0001	.0000	.0003	.0003	.0002	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 9/26/2016 12:55:05 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2726.3	7613.1	54814.	8237.2
Stddev	13.4	28.8	199.	61.2
%RSD	.49262	.37785	.36265	.74282
#1	2739.8	7643.0	54652.	8193.4
#2	2726.1	7610.6	54754.	8211.1
#3	2713.0	7585.6	55036.	8307.1

Sample Name: ICV Acquired: 9/26/2016 13:38:45 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2380	41.01	1.919	2.092	1.986	42.26	1.991	1.990	1.934	1.916
Stddev	.0011	.05	.003	.007	.003	.03	.001	.002	.010	.002
%RSD	.4594	.1114	.1644	.3584	.1668	.0674	.0645	.0774	.4998	.1086
#1	2374	41.05	1.915	2.089	1.990	42.26	1.990	1.989	1.945	1.919
#2	2392	41.02	1.920	2.086	1.987	42.30	1.991	1.989	1.928	1.915
#3	2373	40.96	1.921	2.101	1.983	42.24	1.992	1.992	1.928	1.915

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	41.17	40.48	43.15	1.940	1.887	41.41	1.961	1.961	1.927	1.959
Stddev	.08	.12	.17	.024	.001	.03	.001	.003	.004	.005
%RSD	.2007	.2863	.3840	1.224	.0680	.0610	.0696	.1703	.2281	.2622
#1	41.09	40.59	42.96	1.960	1.887	41.44	1.960	1.960	1.926	1.957
#2	41.15	40.48	43.19	1.947	1.887	41.40	1.960	1.958	1.923	1.955
#3	41.26	40.36	43.29	1.914	1.889	41.39	1.962	1.964	1.931	1.964

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.882	2.042	1.826	1.904	2.024	1.817	1.983
Stddev	.0006	.003	.004	.009	.006	.004	.001
%RSD	.6408	.1304	.2439	.4894	.3055	.2316	.0726
#1	.0876	2.039	1.831	1.906	2.017	1.822	1.981
#2	.0888	2.045	1.823	1.912	2.025	1.814	1.983
#3	.0882	2.042	1.823	1.894	2.030	1.815	1.984

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Sample Name: ICV Acquired: 9/26/2016 13:38:45 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2323.2	7262.4	51679.	8113.0
Stddev	5.4	12.4	305.	83.8
%RSD	.23421	.17120	.58992	1.0334
#1	2327.4	7275.6	51418.	8209.7
#2	2325.1	7260.9	51605.	8068.9
#3	2317.1	7250.8	52014.	8060.4

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.882	2.042	1.826	1.904	2.024	1.817	1.983
Stddev	.0006	.003	.004	.009	.006	.004	.001
%RSD	.6408	.1304	.2439	.4894	.3055	.2316	.0726
#1	.0876	2.039	1.831	1.906	2.017	1.822	1.981
#2	.0888	2.045	1.823	1.912	2.025	1.814	1.983
#3	.0882	2.042	1.823	1.894	2.030	1.815	1.984

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.882	2.042	1.826	1.904	2.024	1.817	1.983
Stddev	.0006	.003	.004	.009	.006	.004	.001
%RSD	.6408	.1304	.2439	.4894	.3055	.2316	.0726
#1	.0876	2.039	1.831	1.906	2.017	1.822	1.981
#2	.0888	2.045	1.823	1.912	2.025	1.814	1.983
#3	.0882	2.042	1.823	1.894	2.030	1.815	1.984

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Sample Name: CCV Acquired: 9/26/2016 13:47:41 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2501	40.60	1.981	2.013	2.009	40.91	2.018	2.011	2.002	1.969
Stddev	.0005	.03	.005	.010	.002	.06	.002	.003	.010	.006
%RSD	.2149	.0645	.2719	.4822	.0723	.1508	.1205	.1263	.4787	.2839
#1	2501	40.57	1.975	2.024	2.008	40.84	2.015	2.008	2.013	1.967
#2	2495	40.62	1.981	2.007	2.009	40.97	2.020	2.013	1.995	1.964
#3	2506	40.61	1.986	2.009	2.010	40.91	2.017	2.011	1.997	1.975

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.09	40.19	41.30	2.026	2.000	40.97	2.006	1.976	1.980	1.989
Stddev	.01	.12	.08	.025	.004	.04	.004	.002	.004	.007
%RSD	.0361	.2949	.1966	1.258	.2133	.0928	.2197	.0789	.1952	.3372
#1	40.09	40.09	41.30	2.048	1.996	40.99	2.001	1.975	1.975	1.981
#2	40.10	40.15	41.37	2.033	2.004	40.92	2.010	1.977	1.981	1.991
#3	40.07	40.32	41.21	1.998	2.001	40.99	2.006	1.978	1.983	1.994

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.256	2.056	1.997	2.010	1.997	1.997	2.017
Stddev	.004	.004	.004	.003	.006	.007	.003
%RSD	.1871	.1843	.1865	.1399	.2848	.3616	.1357
#1	2.251	2.060	1.996	2.009	1.992	2.004	2.014
#2	2.259	2.055	1.994	2.014	2.003	1.990	2.020
#3	2.257	2.053	2.001	2.008	1.996	1.998	2.016

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Sample Name: CCV Acquired: 9/26/2016 13:47:41 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2336.9	7300.5	51057.	8090.3
Stddev	4.2	16.5	326.	42.9
%RSD	.17875	.22588	.63766	.53010
#1	2341.6	7319.4	50690.	8139.4
#2	2333.7	7288.8	51173.	8060.3
#3	2335.3	7293.4	51309.	8071.1

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.256	2.056	1.997	2.010	1.997	1.997	2.017
Stddev	.004	.004	.004	.003	.006	.007	.003
%RSD	.1871	.1843	.1865	.1399	.2848	.3616	.1357
#1	2.251	2.060	1.996	2.009	1.992	2.004	2.014
#2	2.259	2.055	1.994	2.014	2.003	1.990	2.020
#3	2.257	2.053	2.001	2.008	1.996	1.998	2.016

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.256	2.056	1.997	2.010	1.997	1.997	2.017
Stddev	.004	.004	.004	.003	.006	.007	.003
%RSD	.1871	.1843	.1865	.1399	.2848	.3616	.1357
#1	2.251	2.060	1.996	2.009	1.992	2.004	2.014
#2	2.259	2.055	1.994	2.014	2.003	1.990	2.020
#3	2.257	2.053	2.001	2.008	1.996	1.998	2.016

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Sample Name: CCB Acquired: 9/26/2016 13:55:48 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.005	.0104	.0005	.0003	.0003	.0055	.0001	.0000	.0001	.0000
Stddev	.0003	.0049	.0004	.0002	.0001	.0018	.0000	.0000	.0001	.000
%RSD	55.24	47.30	82.48	52.85	21.20	32.32	38.94	278.9	80.76	305.2
#1	-.0008	.0074	.0001	.0004	.0003	.0065	.0001	.0000	.0000	.0001
#2	-.0002	.0077	.0006	.0001	.0002	.0034	.0000	.0000	.0002	-.0001
#3	-.0004	.0160	.0009	.0004	.0002	.0065	.0001	.0000	.0001	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0130	.0535	.0018	.0002	.0008	-.0187	-.0002	-.0003	.0011	.0007
Stddev	.0026	.0104	.0090	.0000	.0001	.0029	.0002	.0001	.0003	.0011
%RSD	19.81	19.55	486.9	10.96	9.991	15.61	120.4	35.46	29.13	156.3
#1	.0154	.0653	-.0076	.0002	.0009	-.0211	.0000	-.0002	.0008	.0019
#2	.0131	.0496	.0103	.0002	.0008	-.0196	-.0001	-.0003	.0012	.0004
#3	.0103	.0455	.0028	.0001	.0007	-.0155	-.0004	-.0003	.0014	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	.0004	.0004	.0003	.0001	.0003	.0001
Stddev	.0002	.0003	.0001	.0001	.0008	.0001	.0000
%RSD	51.54	86.38	18.52	17.59	610.7	31.34	36.23
#1	-.0003	.0004	.0004	.0003	-.0008	.0002	.0000
#2	-.0005	.0007	.0004	.0003	.0006	.0004	.0001
#3	-.0002	.0000	.0003	.0004	.0006	.0003	.0001

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 9/26/2016 13:55:48 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2731.8	7598.5	5444.4	8140.8
Stddev	4.2	18.1	188.	41.8
%RSD	.15384	.23758	.34451	.51367
#1	2736.4	7619.3	54299.	8111.9
#2	2730.7	7588.8	54655.	8121.8
#3	2728.2	7587.4	54376.	8188.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30879-MB1 Acquired: 9/26/2016 14:06:48 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	.0078	-.0003	.0003	.0000	.0092	.0000	-.0002	.0003
Stddev	.0000	.0072	.0002	.0002	.0000	.0014	.000	.0000	.0003
%RSD	11.46	91.83	83.10	56.24	4402.	15.53	472.5	4.179	75.08
#1	-.0004	.0028	-.0002	.0002	.0000	.0090	.0000	-.0002	.0002
#2	-.0003	.0160	-.0001	.0002	-.0001	.0107	.0000	-.0002	.0002
#3	-.0003	.0046	-.0005	.0005	.0000	.0078	-.0001	-.0003	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0058	.0413	-.0007	.0001	.0003	-.0302	.0004	-.0007
Stddev	.0000	.0031	.0462	.0062	.0001	.0001	.0021	.0002	.0006
%RSD	34.91	54.45	111.9	897.0	104.8	23.80	7.107	35.27	84.01
#1	-.0002	.0079	.0944	-.0074	.0000	.0003	-.0287	.0003	.0000
#2	-.0001	.0022	.0196	.0003	.0001	.0003	-.0292	.0006	-.0012
#3	-.0002	.0072	.0099	.0049	.0001	.0004	-.0327	.0004	-.0009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F.0033	.0020	.0017	.0002	.0001	.0002	-.0013	.0002	.0014
Stddev	.0005	.0009	.0003	.0001	.0001	.0001	.0005	.0002	.0000
%RSD	14.60	47.11	16.96	70.22	240.5	41.10	41.57	89.90	1.204
#1	.0029	.0031	.0015	.0001	.0000	.0001	-.0008	.0002	.0014
#2	.0033	.0015	.0015	.0001	.0002	.0002	-.0012	.0000	.0014
#3	.0039	.0014	.0020	.0003	.0000	.0001	-.0019	.0004	.0014

Check ? Chk Fail Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30879-MB1 Acquired: 9/26/2016 14:06:48 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2650.3	7388.9	53065.	7862.4
Stddev	2.7	6.6	224.	14.3
%RSD	.10313	.08983	.42145	.18204
#1	2652.5	7388.1	52852.	7865.4
#2	2651.1	7395.9	53298.	7875.1
#3	2647.2	7382.7	53045.	7846.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP30879-B1 Acquired: 9/26/2016 14:10:59 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0463	28.95	2.041	2.164	.0543	27.53	.0534	.5305	.2112	.2626
Stddev	.0003	.01	.008	.004	.0002	.02	.0001	.0010	.0011	.0009
%RSD	.6553	.0283	.3837	.2068	.4157	.0662	.2488	.1948	.5146	.3602
#1	.0460	28.94	2.033	2.167	.0541	27.56	.0533	.5294	.2114	.2636
#2	.0466	28.96	2.042	2.166	.0542	27.52	.0535	.5306	.2123	.2624
#3	.0463	28.96	2.048	2.159	.0546	27.53	.0535	.5314	.2101	.2617

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	28.25	26.70	27.09	.5338	.5106	27.39	.5326	.5112	.5223	2.063
Stddev	.04	.07	.08	.0023	.0013	.02	.0010	.0027	.0010	.001
%RSD	.1351	.2655	.3040	.4350	.2573	.0779	.1938	.5280	.1979	.0644
#1	28.25	26.64	27.17	.5343	.5092	27.41	.5321	.5108	.5214	2.063
#2	28.21	26.68	27.11	.5359	.5108	27.37	.5319	.5088	.5234	2.061
#3	28.29	26.78	27.00	.5313	.5118	27.38	.5338	.5141	.5222	2.064

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0066	.5228	.4920	.5060	2.058	.4926	.5309
Stddev	.0002	.0013	.0006	.0017	.008	.0011	.0010
%RSD	3.760	.2567	.1308	.3401	.3926	.2235	.1885
#1	.0064	.5216	.4921	.5066	2.058	.4938	.5297
#2	.0068	.5243	.4913	.5073	2.049	.4924	.5314
#3	.0065	.5226	.4926	.5040	2.065	.4916	.5315

Check ? None Chk Pass None None Chk PassChk PassChk Pass Value Range

Sample Name: MP30879-B1 Acquired: 9/26/2016 14:10:59 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2356.2	7141.1	5055.0	7842.7
Stddev	6.3	14.6	305.	37.7
%RSD	.26608	.20474	.60413	.48127
#1	2358.8	7157.9	50606.	7802.8
#2	2360.7	7131.8	50220.	7877.8
#3	2349.0	7133.5	50823.	7847.6

Sample Name: FA37181-2F Acquired: 9/26/2016 14:14:58 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0004	.0144	.0013	.2347	.0000	76.08	.0001	.0007	.0019	-.0001
Stddev	.0001	.0031	.0008	.0011	.000	.05	.0000	.0000	.0001	.0001
%RSD	22.54	21.32	62.09	.4777	427.0	.0603	42.73	4.497	5.973	95.84
#1	-.0004	.0130	.0013	.2360	.0000	76.13	.0000	.0007	.0019	-.0002
#2	-.0005	.0179	.0021	.2341	.0000	76.07	.0001	.0007	.0019	-.0002
#3	-.0003	.0122	.0005	.2340	.0000	76.05	.0001	.0007	.0017	.0000

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.2130	4.188	8.803	.0956	.0009	19.79	.0051	-.0025	.0022	.0017
Stddev	.0022	.017	.031	.0002	.0002	.01	.0002	.0008	.0005	.0003
%RSD	1.035	.4026	.3517	.2132	21.40	.0653	3.581	30.04	22.44	20.28
#1	.2154	4.169	8.838	.0956	.0011	19.80	.0053	-.0034	.0028	.0020
#2	.2110	4.202	8.781	.0958	.0008	19.80	.0050	-.0021	.0019	.0017
#3	.2125	4.194	8.790	.0954	.0007	19.78	.0049	-.0021	.0020	.0013

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	7.201	.0002	3.224	.0025	-.0001	.0040	.0078
Stddev	.014	.0000	.022	.0001	.0006	.0002	.0000
%RSD	.1961	26.10	.6758	2.842	430.1	4.065	.3270
#1	7.186	.0002	3.199	.0026	-.0006	.0039	.0078
#2	7.213	.0001	3.237	.0025	-.0006	.0039	.0078
#3	7.204	.0002	3.236	.0024	-.0004	.0042	.0078

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2425.6	7124.4	50827.	7791.9
Stddev	9.1	10.2	106.	32.9
%RSD	.37579	.14271	.20951	.42261
#1	2415.7	7116.3	50921.	7754.5
#2	2427.6	7121.2	50711.	7805.0
#3	2433.6	7135.8	50847.	7816.3

Sample Name: MP30879-D1 Acquired: 9/26/2016 14:19:13 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0001	.0115	.0013	.2323	.0000	75.23	.0001	.0006	.0018	-.0004
Stddev	.0002	.0101	.0006	.0001	.000	.28	.0000	.0000	.0001	.0002
%RSD	229.2	87.58	48.09	.0618	145.1	.3676	23.26	6.067	7.982	57.60
#1	.0001	.0184	.0006	.2324	-.0001	75.42	.0001	.0006	.0018	-.0004
#2	-.0001	-.0001	.0014	.2322	.0000	75.37	.0001	.0007	.0017	-.0001
#3	-.0003	.0161	.0018	.2323	.0000	74.92	.0001	.0006	.0020	-.0006

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.1985	4.114	8.784	.0934	.0005	19.53	.0049	-.0035	.0015	.0029
Stddev	.0025	.018	.005	.0002	.0001	.06	.0001	.0007	.0010	.0009
%RSD	1.263	.4334	.0525	.2191	24.74	.2858	2.263	19.00	69.98	32.18
#1	.2014	4.104	8.789	.0933	.0005	19.56	.0050	-.0040	.0008	.0021
#2	.1968	4.134	8.780	.0932	.0006	19.57	.0048	-.0027	.0027	.0028
#3	.1973	4.103	8.782	.0936	.0004	19.47	.0048	-.0038	.0010	.0039

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	7.042	.0001	3.152	.0023	-.0013	.0039	.0075
Stddev	.035	.0002	.046	.0001	.0009	.0001	.0000
%RSD	.4919	310.6	1.451	3.357	75.44	2.814	.6370
#1	7.071	-.0002	3.194	.0022	-.0022	.0040	.0076
#2	7.052	.0003	3.159	.0023	-.0003	.0039	.0075
#3	7.004	.0001	3.103	.0023	-.0012	.0038	.0075

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2432.4	7135.3	51312.	7788.2
Stddev	4.2	19.4	102.	46.4
%RSD	.17393	.27212	.19894	.59540
#1	2431.3	7117.5	51263.	7801.7
#2	2428.8	7132.5	51244.	7736.6
#3	2437.1	7156.0	51429.	7826.4

Sample Name: MP30879-SD1 Acquired: 9/26/2016 14:23:29 Type: Unk
Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	
Avg	-0.006	.0413	.0037	.2303	-0.002	74.87	.0000	.0007	.0016	-.0021	
Stddev	.0028	.0155	.0047	.0008	.0001	.17	.000	.0003	.0007	.0010	
%RSD	444.3	37.45	127.8	.3263	31.02	2265	1645.	37.85	45.77	49.38	
#1	-.0005	.0247	.0074	.2312	-.0002	75.06	-.0002	.0008	.0024	-.0032	
#2	.0021	.0554	-.0016	.2297	-.0003	74.80	-.0001	.0010	.0010	-.0011	
#3	-.0035	.0438	.0053	.2300	-.0003	74.74	.0003	.0004	.0014	-.0021	
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	
Avg	.2033	4.072	8.925	.0923	-.0003	19.32	.0045	-.0094	-.0003	.0094	
Stddev	.0025	.061	.057	.0002	.0005	.08	.0007	.0023	.0026	.0059	
%RSD	1.253	1.497	.6354	.1891	165.1	.3948	15.76	24.56	848.6	62.38	
#1	.2012	4.091	8.871	.0921	-.0002	19.40	.0038	-.0120	-.0002	.0107	
#2	.2025	4.121	8.920	.0924	-.0009	19.26	.0053	-.0075	-.0029	.0030	
#3	.2061	4.004	8.984	.0924	-.0002	19.28	.0045	-.0087	.0022	.0146	
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062				
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)				
Avg	6.921	.0005	3.126	.0028	.0006	.0040	.0557				
Stddev	.008	.0009	.007	.0004	.0028	.0017	.0002				
%RSD	.1218	193.1	.2107	13.90	430.3	42.32	.3967				
#1	6.911	-.0006	3.132	.0024	.0029	.0026	.0559				
#2	6.925	.0008	3.119	.0029	.0015	.0059	.0555				
#3	6.927	.0012	3.126	.0032	-.0025	.0036	.0559				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710							
Avg	2663.1	7541.9	5442.4	8061.8							
Stddev	7.9	28.7	213.	54.0							
%RSD	.29678	.38037	.39075	.67028							
#1	2656.5	7540.1	54200.	8009.7							
#2	2671.9	7571.4	54450.	8117.5							
#3	2660.9	7514.1	54623.	8058.2							

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Sample Name: MP30879-PS1 Acquired: 9/26/2016 14:27:36 Type: Unk
Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0436	2.758	.1076	.5061	.0537	78.60	.0545	.0553	.0556	.1044
Stddev	.0004	.015	.0011	.0002	.0001	.09	.0000	.0001	.0004	.0007
%RSD	8201	5405	1.037	.0311	.1659	.1190	.0880	.1430	.7019	6323
#1	.0432	2.750	.1064	.5062	.0537	78.58	.0545	.0552	.0556	.1043
#2	.0438	2.748	.1086	.5059	.0538	78.52	.0544	.0553	.0559	.1051
#3	.0439	2.775	.1078	.5061	.0537	78.70	.0545	.0553	.0551	.1038
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	3.447	14.32	14.15	.1416	.1081	29.87	.1098	.0481	.1131	.1045
Stddev	.009	.04	.04	.0005	.0003	.05	.0002	.0006	.0010	.0008
%RSD	.2678	.3122	.2505	.3656	.2573	.1788	.1761	1.250	.8473	.7298
#1	3.439	14.28	14.16	.1416	.1080	29.82	.1100	.0487	.1129	.1044
#2	3.446	14.37	14.11	.1421	.1078	29.86	.1096	.0480	.1142	.1038
#3	3.458	14.31	14.18	.1411	.1084	29.93	.1098	.0475	.1123	.1053
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	6.887	.0530	3.085	.1061	.1014	.0549	.2833			
Stddev	.003	.0001	.019	.0001	.0012	.0004	.0001			
%RSD	.0468	.2821	.6080	.1374	1.135	.7048	.0435			
#1	6.884	.0528	3.079	.1063	.1003	.0544	.2834			
#2	6.890	.0531	3.070	.1060	.1026	.0551	.2833			
#3	6.887	.0530	3.106	.1061	.1013	.0551	.2832			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2409.7	7203.6	5172.4	7912.6						
Stddev	4.2	6.8	252.	89.3						
%RSD	.17432	.09489	.48745	1.1284						
#1	2412.4	7195.8	51667.	7938.6						
#2	2404.9	7206.5	51505.	7985.9						
#3	2411.9	7208.5	52000.	7813.2						

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Sample Name: MP30879-S1 Acquired: 9/26/2016 14:31:47 Type: Unk
Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0465	28.37	1.978	2.367	.0527	100.8	.0521	.5163	.2059	.2483
Stddev	.0003	.06	.007	.005	.0001	.3	.0001	.0005	.0005	.0003
%RSD	.5583	.2121	.3498	.1982	.1768	.2849	.2185	.1035	.2397	.1073
#1	.0465	28.31	1.970	2.365	.0526	100.5	.0521	.5158	.2060	.2485
#2	.0462	28.43	1.979	2.363	.0528	101.1	.0520	.5162	.2054	.2484
#3	.0468	28.36	1.984	2.372	.0526	100.7	.0522	.5169	.2064	.2480
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	27.12	29.51	35.58	.5904	.4970	45.86	.5099	.5002	.5083	2.004
Stddev	.07	.11	.16	.0023	.0008	.11	.0010	.0005	.0005	.003
%RSD	.2693	.3727	.4415	.3949	.1572	.2345	.1931	.0914	.0942	.1622
#1	27.05	29.46	35.40	.5885	.4961	45.77	.5091	.4999	.5078	2.004
#2	27.20	29.63	35.69	.5897	.4976	45.98	.5095	.5007	.5088	2.001
#3	27.12	29.43	35.66	.5930	.4971	45.85	.5110	.5000	.5084	2.007
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	6.945	.5187	3.575	.4873	2.001	.4894	.5213			
Stddev	.021	.0013	.020	.0010	.004	.0015	.0004			
%RSD	.3056	.2476	.5618	.2013	.2225	.3065	.0745			
#1	6.934	.5173	3.553	.4862	1.997	.4893	.5209			
#2	6.932	.5187	3.592	.4875	2.006	.4879	.5213			
#3	6.970	.5199	3.580	.4881	2.000	.4909	.5217			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2314.2	7166.8	51356.	7894.7						
Stddev	3.3	1.9	393.	38.0						
%RSD	.14472	.02629	.76574	.48141						
#1	2315.3	7167.1	51744.	7927.1						
#2	2310.4	7168.5	51367.	7852.9						
#3	2316.8	7164.8	50958.	7904.1						

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Sample Name: MP30879-S2 Acquired: 9/26/2016 14:35:54 Type: Unk
Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0475	28.81	2.023	2.420	.0536	102.6	.0531	.5259	.2097	.2569
Stddev	.0004	.07	.005	.001	.0002	.2	.0001	.0001	.0010	.0009
%RSD	.7394	.2543	.2706	.0519	.3180	.2325	.1224	.0196	.4724	.3311
#1	.0478	28.86	2.018	2.418	.0536	102.9	.0530	.5260	.2088	.2576
#2	.0471	28.73	2.024	2.421	.0534	102.4	.0531	.5258	.2096	.2560
#3	.0477	28.84	2.028	2.420	.0538	102.5	.0530	.5259	.2107	.2572
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	27.73	30.14	36.19	.6109	.5088	46.68	.5203	.5110	.5182	2.044
Stddev	.08	.14	.15	.0033	.0003	.14	.0005	.0003	.0015	.003
%RSD	.2847	.4535	.4135	.5344	.0647	.3056	.0868	.0625	.2837	.1474
#1	27.72	30.25	36.31	.6074	.5085	46.82	.5209	.5112	.5166	2.047
#2	27.81	29.99	36.24	.6114	.5088	46.54	.5201	.5107	.5192	

Sample Name: FA37181-6F Acquired: 9/26/2016 14:40:00 Type: Unk
Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.003	.0156	.0029	.1516	.0000	90.72	.0001	.0223	.0095	-0.004
Stddev	.0002	.0093	.0004	.0002	.000	.26	.0001	.0000	.0003	.0002
%RSD	55.30	59.78	15.42	.1509	289.5	.2875	79.54	.2198	3.309	40.84
#1	-.0004	.0075	.0034	.1518	.0000	90.96	.0001	.0224	.0094	-.0002
#2	-.0001	.0136	.0025	.1514	.0000	90.44	.0000	.0223	.0093	-.0006
#3	-.0003	.0258	.0029	.1515	.0000	90.77	.0000	.0223	.0099	-.0005
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0522	2.815	49.43	.0405	.0012	22.33	2.460	-.0032	.0011	.0025
Stddev	.0019	.024	.13	.0001	.0002	.06	.0004	.0000	.0002	.0007
%RSD	3.646	.8463	.2582	.2003	13.94	.2497	.1616	.4388	17.71	28.61
#1	.0541	2.788	49.54	.0405	.0014	22.34	2.456	-.0031	.0013	.0021
#2	.0520	2.826	49.45	.0404	.0012	22.27	2.461	-.0032	.0010	.0020
#3	.0503	2.831	49.29	.0405	.0011	22.38	2.464	-.0031	.0009	.0033
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	20.11	.0002	.6785	.0011	.0005	.0191	.0099			
Stddev	.05	.0002	.0025	.0001	.0007	.0003	.0001			
%RSD	.2604	147.1	.3745	12.95	122.1	1.620	9324			
#1	20.08	.0004	.6795	.0013	.0005	.0188	.0099			
#2	20.08	-.0001	.6757	.0011	-.0001	.0194	.0098			
#3	20.17	.0002	.6805	.0010	.0012	.0192	.0100			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2382.7	7098.9	51208.	7868.4						
Stddev	3.4	4.7	204.	34.0						
%RSD	.14430	.06586	.39918	.43229						
#1	2378.8	7101.5	50999.	7860.2						
#2	2385.4	7101.7	51217.	7905.7						
#3	2383.8	7093.5	51408.	7839.2						

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Sample Name: FA37181-7F Acquired: 9/26/2016 14:44:07 Type: Unk
Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0004	.0033	.0025	.1501	.0000	83.08	.0000	-.0001	.0108	-.0005
Stddev	.0002	.0048	.0002	.0007	.000	.24	.0001	.0000	.0001	.0003
%RSD	52.58	144.3	7.338	.4609	2197.	.2931	149.6	33.72	1.266	69.03
#1	-.0003	.0089	.0023	.1505	-.0001	83.06	.0001	.0000	.0106	-.0005
#2	-.0006	.0001	.0025	.1505	.0000	83.34	.0000	-.0001	.0109	-.0001
#3	-.0002	.0011	.0027	.1493	.0001	82.86	.0001	-.0001	.0108	-.0007
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0294	3.460	47.72	.0069	.0007	23.57	2.714	-.0028	.0015	.0031
Stddev	.0023	.025	.18	.0000	.0000	.06	.0007	.0002	.0009	.0009
%RSD	7.902	.7327	.3788	.5536	5.383	.2624	.2539	7.777	62.02	29.94
#1	.0279	3.437	47.55	.0068	.0008	23.59	2.707	-.0030	.0025	.0034
#2	.0320	3.487	47.91	.0069	.0007	23.62	2.715	-.0026	.0006	.0021
#3	.0281	3.455	47.71	.0069	.0007	23.50	2.720	-.0027	.0014	.0039
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	21.12	.0001	.6710	.0009	-.0005	.0159	.0021			
Stddev	.06	.0001	.0017	.0001	.0004	.0002	.0000			
%RSD	.2890	67.63	.2568	15.17	69.68	1.016	1.348			
#1	21.06	.0001	.6727	.0009	-.0004	.0159	.0020			
#2	21.11	.0001	.6710	.0011	-.0003	.0157	.0021			
#3	21.18	.0002	.6692	.0008	-.0010	.0160	.0021			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2387.5	7085.1	51120.	7858.6						
Stddev	4.8	3.6	306.	70.0						
%RSD	.19896	.05105	.59858	.89096						
#1	2385.8	7085.8	51270.	7936.5						
#2	2383.7	7081.2	50768.	7801.0						
#3	2392.8	7088.3	51322.	7838.2						

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7.1
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Sample Name: CCV Acquired: 9/26/2016 14:48:13 Type: QC
Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.479	40.04	1.894	1.999	1.929	40.10	2.040	2.023	1.966	1.862
Stddev	.0007	.01	.005	.005	.002	.02	.002	.002	.001	.008
%RSD	.2919	.0208	.2492	.2333	.0879	.0602	.0938	.0903	.0441	.4505
#1	2.479	40.04	1.899	2.005	1.930	40.07	2.038	2.021	1.966	1.856
#2	2.472	40.05	1.893	1.997	1.927	40.11	2.041	2.023	1.967	1.872
#3	2.487	40.03	1.889	1.996	1.930	40.12	2.042	2.024	1.966	1.858
Check ?	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass
Value										
Range										
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	38.02	38.45	41.64	1.877	1.965	40.49	1.936	1.947	1.930	1.914
Stddev	.04	.06	.08	.004	.003	.02	.002	.002	.002	.003
%RSD	.0997	.1579	.1955	.1883	.1360	.0507	.0822	.1113	.1251	.1717
#1	37.99	38.52	41.56	1.879	1.962	40.51	1.937	1.947	1.931	1.915
#2	38.01	38.40	41.72	1.879	1.967	40.47	1.937	1.950	1.932	1.916
#3	38.07	38.44	41.63	1.873	1.966	40.49	1.934	1.946	1.928	1.910
Check ?	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass
Value										
Range										
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm			
Avg	2.186	2.131	1.931	1.896	1.958	1.995	2.026			
Stddev	.002	.004	.001	.003	.002	.002	.002			
%RSD	.0843	.2025	.0515	.1568	.1030	.0762	.0858			
#1	2.184	2.128	1.932	1.897	1.960	1.994	2.025			
#2	2.188	2.130	1.930	1.897	1.956	1.997	2.025			
#3	2.185	2.136	1.930	1.892	1.959	1.995	2.028			
Check ?	None	Chk	Pass	Chk	Pass	Chk	Pass			
Value										
Range										

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Sample Name: CCV Acquired: 9/26/2016 14:48:13 Type: QC
Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2380.8	7341.4	53103.	8166.5
Stddev	2.1	11.9	49.	104.4
%RSD	.08904	.16235	.09278	1.2784
#1	2383.1	7354.9	53074.	8284.9
#2	2379.0	7337.4	53075.	8087.8
#3	2380.1	7332.1	53160.	8126.6

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Sample Name: CCB Acquired: 9/26/2016 14:52:18 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.007	.0062	F.0021	.0004	.0001	.0012	.0000	.0000	-0.001
Stddev	.0004	.0019	.0010	.0001	.0000	.0013	.0001	.0001	.0001
%RSD	64.22	31.66	48.21	18.90	33.50	111.2	169.5	138.5	126.3
#1	-0.002	.0042	.0033	.0004	.0001	.0025	.0001	.0001	-0.001
#2	-0.009	.0081	.0016	.0004	.0002	.0010	.0000	.0000	-0.002
#3	-0.009	.0062	.0014	.0005	.0002	-0.001	.0001	.0001	.0000
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0020						
Low Limit			-0.0020						
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.007	.0151	.0415	.0016	.0001	F.0021	-0.0256	-0.0002	-0.0008
Stddev	.0004	.0037	.0404	.0140	.0000	.0004	.0069	.0001	.0003
%RSD	57.02	24.45	97.33	885.2	45.86	20.72	26.96	31.60	34.03
#1	-0.003	.0192	.0249	-0.0052	.0001	.0025	-0.0316	-0.0002	-0.0005
#2	-0.006	.0142	.0876	-0.0077	.0001	.0021	-0.0271	-0.0002	-0.0010
#3	-0.011	.0120	.0121	.0176	.0001	.0016	-0.0181	-0.0001	-0.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-0.0010			
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	.0011	.0005	.0002	.0003	.0005	.0013	.0003	.0000
Stddev	.0007	.0003	.0003	.0002	.0000	.0001	.0004	.0002	.0000
%RSD	41.45	27.06	51.35	76.93	11.66	26.67	31.14	95.76	209.2
#1	.0011	.0008	.0003	.0002	.0003	.0005	.0011	.0001	.0001
#2	.0016	.0011	.0008	.0001	.0003	.0006	.0010	.0005	-0.0001
#3	.0025	.0013	.0004	.0004	.0002	.0003	.0017	.0001	-0.0001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Sample Name: CCB Acquired: 9/26/2016 14:52:18 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2799.1	7658.2	56675.	8285.4
Stddev	6.1	5.5	132.	77.7
%RSD	.21894	.07117	.23228	.93722
#1	2792.0	7651.9	56625.	8196.9
#2	2802.6	7661.9	56576.	8317.1
#3	2802.6	7660.7	56824.	8342.1

Sample Name: FA37181-8F Acquired: 9/26/2016 14:56:29 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.005	.0090	.0031	.2325	.0000	98.22	.0000	.0002	.0024	-0.012
Stddev	.0001	.0020	.0005	.0005	.0000	.44	.0000	.0001	.0001	.0003
%RSD	14.75	22.67	15.24	.2207	126.7	.4432	91.27	29.32	6.089	23.60
#1	-0.005	.0113	.0034	.2319	.0000	98.49	.0000	.0003	.0025	-0.010
#2	-0.005	.0074	.0034	.2329	.0000	98.45	.0000	.0002	.0023	-0.015
#3	-0.006	.0083	.0026	.2325	.0001	97.71	.0001	.0002	.0026	-0.011
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0124	3.072	65.31	.0020	.0003	23.40	.0525	-0.029	.0025	.0033
Stddev	.0021	.021	.26	.0000	.0002	.11	.0001	.0003	.0009	.0009
%RSD	16.59	.6949	.3906	.8648	60.12	.4737	.1433	11.54	36.54	27.17
#1	.0101	3.087	65.26	.0020	.0005	23.50	.0524	-0.027	.0035	.0044
#2	.0129	3.083	65.59	.0021	.0003	23.42	.0525	-0.028	.0018	.0028
#3	.0141	3.048	65.09	.0021	.0002	23.28	.0525	-0.033	.0021	.0028
Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	20.05	.0002	.7931	.0012	-0.0008	.0202	.0014			
Stddev	.02	.0002	.0037	.0002	.0003	.0002	.0000			
%RSD	.0813	130.0	.4670	13.27	37.87	.7528	2.011			
#1	20.06	.0004	.7965	.0011	-0.0011	.0202	.0014			
#2	20.04	.0000	.7935	.0014	-0.0009	.0203	.0015			
#3	20.07	.0000	.7892	.0011	-0.0005	.0200	.0014			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2389.0	7023.4	51684.	7983.4						
Stddev	7.3	8.8	226.	20.9						
%RSD	.30762	.12524	.43647	.26224						
#1	2383.1	7015.5	51578.	8005.8						
#2	2397.3	7032.9	51531.	7964.3						
#3	2386.7	7022.0	51943.	7980.3						

Sample Name: FA37181-9F Acquired: 9/26/2016 15:00:38 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.006	.0115	.0032	.3229	.0000	112.3	.0000	-0.0004	.0115	-0.011
Stddev	.0003	.0029	.0002	.0009	.0000	.3	.0000	.0001	.0004	.0002
%RSD	55.53	25.03	6.963	.2675	315.8	.3020	30.33	17.76	3.637	18.07
#1	-0.010	.0148	.0032	.3238	.0000	112.6	.0000	-0.0004	.0110	-0.009
#2	-0.005	.0103	.0030	.3221	.0000	112.2	.0000	-0.0005	.0117	-0.010
#3	-0.003	.0094	.0035	.3229	.0000	112.0	.0001	-0.0005	.0117	-0.013
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0025	4.319	75.64	.0016	-0.0003	24.41	.0040	-0.0030	.0012	.0012
Stddev	.0022	.047	.23	.0000	.0001	.08	.0002	.0004	.0006	.0002
%RSD	89.34	1.076	.3022	2.789	37.81	.3407	4.623	12.88	47.01	16.78
#1	-0.001	4.361	75.89	.0016	-0.0002	24.50	.0042	-0.0034	.0016	.0010
#2	.0036	4.326	75.61	.0017	-0.0003	24.39	.0038	-0.0026	.0015	.0014
#3	.0039	4.269	75.44	.0016	-0.0004	24.34	.0039	-0.0030	.0006	.0012
Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	19.44	.0001	.9168	.0009	-0.013	.0192	.0021			
Stddev	.04	.0001	.0038	.0001	.0004	.0001	.0000			
%RSD	.1817	124.7	.4109	11.61	32.21	.7329	1.360			
#1	19.41	.0001	.9203	.0009	-0.018	.0193	.0021			
#2	19.42	.0002	.9174	.0008	-0.011	.0191	.0021			
#3	19.48	.0000	.9128	.0009	-0.010	.0193	.0020			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2367.3	6966.1	51723.	7877.6						
Stddev	4.1	7.6	78.	5.7						
%RSD	.17158	.10926	.15160	.07281						
#1	2365.5	6957.7	51808.	7871.0						
#2	2364.4	6968.3	51653.	7881.5						
#3	2372.0	6972.4	51707.	7880.3						

Sample Name: FA37181-10F Acquired: 9/26/2016 15:04:47 Type: Unk Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000 User: admin SSTRACE02: Custom ID2: Custom ID3: Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3)

Sample Name: FA37213-21 Acquired: 9/26/2016 15:08:53 Type: Unk Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000 User: admin SSTRACE02: Custom ID2: Custom ID3: Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3)

7.1 7

Sample Name: FA37213-22 Acquired: 9/26/2016 15:13:10 Type: Unk Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000 User: admin SSTRACE02: Custom ID2: Custom ID3: Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3)

Sample Name: FA37213-23 Acquired: 9/26/2016 15:17:17 Type: Unk Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000 User: admin SSTRACE02: Custom ID2: Custom ID3: Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3)

Sample Name: FA37213-24 Acquired: 9/26/2016 15:21:27 Type: Unk Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 4.000000 User: admin SSTRACE02: Custom ID2: Custom ID3: Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (Elem, IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

Sample Name: FA37213-25 Acquired: 9/26/2016 15:25:35 Type: Unk Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 2.000000 User: admin SSTRACE02: Custom ID2: Custom ID3: Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (Elem, IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

Sample Name: FA37213-26 Acquired: 9/26/2016 15:29:51 Type: Unk Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 2.000000 User: admin SSTRACE02: Custom ID2: Custom ID3: Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (Elem, IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

Sample Name: FA37213-27 Acquired: 9/26/2016 15:33:57 Type: Unk Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000 User: admin SSTRACE02: Custom ID2: Custom ID3: Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (Elem, IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

7.1 7

Sample Name: CCV Acquired: 9/26/2016 15:38:05 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2545	39.35	1.834	2.014	1.855	39.34	2.040	2.020	1.947
Stddev	.0009	.03	.004	.008	.003	.03	.002	.002	.008
%RSD	.3521	.0820	.2252	.4055	.1608	.0814	.0896	.0890	.4201
#1	.2555	39.38	1.829	2.020	1.855	39.37	2.040	2.019	1.955
#2	.2543	39.33	1.835	2.004	1.858	39.34	2.038	2.019	1.948
#3	.2538	39.32	1.837	2.016	1.852	39.31	2.041	2.022	1.939
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 1.784	36.46	36.29	42.30	1.809	1.943	39.75	1.887	1.919
Stddev	.003	.04	.03	.09	.012	.004	.09	.005	.005
%RSD	.1783	.1103	.0889	.2063	.6791	.1972	.2290	.2547	.2495
#1	1.786	36.44	36.32	42.40	1.819	1.941	39.86	1.884	1.914
#2	1.780	36.42	36.29	42.24	1.814	1.940	39.72	1.885	1.920
#3	1.785	36.50	36.26	42.26	1.796	1.947	39.69	1.893	1.924
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	2.000								
Range	-10.00%								

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.891	1.858	2.127	2.165	1.865	1.853	1.922	2.005	2.009
Stddev	.006	.008	.006	.000	.001	.010	.005	.004	.002
%RSD	.2984	.4355	.2844	.0173	.0518	.5227	.2368	.1901	.0966
#1	1.884	1.858	2.123	2.165	1.865	1.863	1.917	2.009	2.008
#2	1.893	1.849	2.124	2.165	1.866	1.851	1.921	2.005	2.008
#3	1.895	1.865	2.134	2.165	1.864	1.844	1.926	2.001	2.011
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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Sample Name: CCB Acquired: 9/26/2016 15:42:10 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0010	.0097	.0011	.0005	.0002	.0021	.0001	.0000
Stddev	.0002	.0052	.0004	.0001	.0001	.0008	.0000	.0001
%RSD	15.66	54.16	40.16	27.70	30.45	36.47	21.00	1644.
#1	-.0012	.0148	.0006	.0004	.0002	.0019	.0001	.0000
#2	-.0008	.0099	.0012	.0006	.0003	.0029	.0001	.0001
#3	-.0010	.0043	.0015	.0004	.0001	.0014	.0001	-.0001
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.0010							
Low Limit	-.0010							

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	-.0006	.0158	.0377	-.0028	.0002	F .0021	-.0315
Stddev	.0002	.0002	.0042	.0036	.0072	.0000	.0004	.0051
%RSD	87.86	29.45	26.33	9.554	251.6	21.98	19.11	16.08
#1	.0002	-.0005	.0205	.0367	-.0078	.0002	.0025	-.0310
#2	.0005	-.0007	.0145	.0346	.0054	.0002	.0021	-.0267
#3	.0000	-.0004	.0125	.0416	-.0061	.0001	.0017	-.0368
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit							.0010	
Low Limit							-.0010	

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	-.0002	F .0025	F .0023	.0002	.0003	.0003	.0006
Stddev	.0001	.0002	.0011	.0008	.0001	.0003	.0000	.0001
%RSD	118.3	113.4	43.22	32.33	45.01	121.0	16.44	10.65
#1	.0000	.0000	.0021	.0016	.0002	.0004	.0002	.0005
#2	-.0001	-.0005	.0038	.0022	.0001	.0006	.0003	.0007
#3	-.0001	-.0001	.0017	.0031	.0003	-.0001	.0003	.0006
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.0020	.0020				
Low Limit			-.0020	-.0020				

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Sample Name: CCV Acquired: 9/26/2016 15:38:05 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2403.9	7327.2	53311.	8160.5
Stddev	4.8	14.4	318.	27.4
%RSD	.20118	.19647	.59619	.33516
#1	2408.1	7320.3	53014.	8138.2
#2	2405.1	7343.7	53274.	8191.1
#3	2398.6	7317.5	53646.	8152.3

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Sample Name: CCB Acquired: 9/26/2016 15:42:10 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	.0003	.0004	.0000
Stddev	.0003	.0002	.000
%RSD	104.5	47.68	223.6
#1	.0004	.0006	.0000
#2	-.0001	.0002	.0000
#3	.0005	.0004	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2798.0	7631.5	56385.	8250.6
Stddev	8.5	9.4	407.	44.9
%RSD	.30450	.12367	.72183	.54451
#1	2789.3	7623.8	56076.	8298.2
#2	2798.3	7642.0	56234.	8244.8
#3	2806.4	7628.5	56846.	8208.9

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Sample Name: FA37213-28 Acquired: 9/26/2016 15:46:21 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	
Avg	-0.007	.0747	.0004	.0310	.0000	108.4	.0001	-0.001	.0010	-0.002	
Stddev	.0002	.0037	.0005	.0002	.0000	.1	.0000	.0000	.0001	.0002	
%RSD	27.22	4.900	137.4	.6938	97.34	.1035	40.10	37.36	15.12	77.16	
#1	-0.009	.0707	-0.002	.0312	.0001	108.4	.0001	-0.001	.0008	-0.002	
#2	-0.005	.0780	.0007	.0309	.0000	108.6	.0001	-0.001	.0010	-0.003	
#3	-0.007	.0753	.0005	.0308	.0000	108.3	.0001	-0.002	.0011	.0000	
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	
Avg	.2891	4.890	7.934	.0017	.0029	30.57	-0.003	-0.0034	.0021	.0079	
Stddev	.0034	.040	.039	.0000	.0002	.07	.0002	.0001	.0004	.0010	
%RSD	1.192	.8237	.4959	1.545	7.865	.2380	95.21	3.449	20.41	12.87	
#1	.2919	4.853	7.897	.0017	.0031	30.61	-0.001	-0.0033	.0020	.0088	
#2	.2853	4.933	7.930	.0018	.0028	30.60	-0.005	-0.0035	.0017	.0082	
#3	.2901	4.885	7.975	.0017	.0027	30.48	-0.002	-0.0035	.0025	.0068	
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062				
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)				
Avg	3.788	.0003	1.183	.0026	-0.008	.0082	.0033				
Stddev	.004	.0001	.003	.0001	.0010	.0001	.0000				
%RSD	.1176	30.83	.2531	5.366	128.6	.6941	.8883				
#1	3.786	.0004	1.185	.0026	-0.019	.0082	.0033				
#2	3.786	.0002	1.185	.0025	-0.006	.0081	.0033				
#3	3.793	.0004	1.180	.0028	.0001	.0082	.0032				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710							
Avg	2416.2	7007.6	51282.	7833.1							
Stddev	2.9	3.2	42.	75.3							
%RSD	.12121	.04531	.08123	.96102							
#1	2419.5	7006.3	51276.	7917.6							
#2	2414.8	7005.3	51243.	7808.1							
#3	2414.2	7011.3	51326.	7773.4							

Sample Name: FA37213-29 Acquired: 9/26/2016 15:50:30 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.007	.0098	.0005	.0063	.0000	72.30	.0001	-0.002	.0015	-0.009
Stddev	.0002	.0010	.0006	.0001	.0000	.10	.0000	.0001	.0001	.0000
%RSD	33.05	10.33	108.8	1.724	227.9	.1334	13.00	43.66	5.317	5.593
#1	-0.010	.0087	-0.001	.0062	.0000	72.40	.0001	-0.002	.0015	-0.008
#2	-0.006	.0106	.0007	.0064	.0000	72.30	.0001	-0.001	.0015	-0.009
#3	-0.005	.0103	.0009	.0064	.0000	72.20	.0001	-0.002	.0014	-0.009
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0036	.4739	5.127	.0001	.0072	8.648	-0.003	-0.0032	.0014	.0023
Stddev	.0012	.0264	.032	.0000	.0001	.035	.0002	.0003	.0006	.0006
%RSD	32.97	5.577	.6146	28.71	1.189	.4059	58.63	10.39	43.45	25.34
#1	.0022	.5019	5.162	.0001	.0073	8.687	-0.001	-0.0033	.0007	.0020
#2	.0042	.4706	5.103	.0001	.0071	8.638	-0.005	-0.0035	.0016	.0020
#3	.0043	.4494	5.115	.0001	.0072	8.619	-0.003	-0.0029	.0018	.0030
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	3.478	.0003	.2288	.0008	-0.013	.0037	.0001			
Stddev	.011	.0002	.0006	.0000	.0006	.0001	.0001			
%RSD	.3136	78.48	.2715	4.806	43.26	2.119	46.47			
#1	3.489	.0004	.2295	.0009	-0.010	.0038	.0002			
#2	3.467	.0005	.2286	.0008	-0.009	.0036	.0001			
#3	3.477	.0000	.2283	.0009	-0.019	.0038	.0001			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2512.9	7165.9	52990.	7920.7						
Stddev	5.3	2.0	308.	6.2						
%RSD	.21050	.02730	.58082	.07864						
#1	2512.2	7163.6	52635.	7915.9						
#2	2508.0	7166.8	53181.	7918.6						
#3	2518.5	7167.2	53154.	7927.8						

Sample Name: FA37213-30 Acquired: 9/26/2016 15:54:40 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.014	.0637	.0004	.1583	.0000	482.1	-0.002	-0.004	.0003	.0000
Stddev	.0004	.0094	.0002	.0001	.0000	1.3	.0001	.0000	.0000	.0001
%RSD	29.13	14.69	39.81	.0660	201.6	.2690	34.11	10.19	34.39	
#1	-0.014	.0615	.0005	.1582	.0000	480.6	-0.002	-0.004	.0004	
#2	-0.018	.0557	.0002	.1582	.0000	482.8	-0.003	-0.004	.0004	
#3	-0.010	.0740	.0005	.1584	.0000	482.9	-0.001	-0.004	.0002	
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Se1960
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)
Avg	.0026	6.840	3.836	167.9	.0363	.0051	F132.4	-0.008	-0.013	.0036
Stddev	.0003	.024	.017	.5	.0002	.0001	.4	.0001	.0003	.0003
%RSD	11.81	.3436	.4393	.3189	.6576	1.011	.2912	10.66	20.36	
#1	.0029	6.817	3.842	167.3	.0362	.0051	132.4	-0.009	-0.013	
#2	.0023	6.864	3.849	168.4	.0366	.0051	132.8	-0.008	-0.015	
#3	.0026	6.837	3.817	167.9	.0362	.0050	132.1	-0.008	-0.010	
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062	
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	
Avg	.0011	.0017	12.81	.0001	1.706	.0022	-0.026	.0005	.0019	
Stddev	.0009	.0008	.02	.0001	.007	.0004	.0012	.0004	.0000	
%RSD	84.29	48.18	.1317	96.42	.4229	17.49	45.94	82.91	2.653	
#1	.0020	.0018	12.81	.0001	1.710	.0020	-0.013	.0000	.0018	
#2	.0008	.0008	12.79	.0000	1.710	.0019	-0.036	.0007	.0019	
#3	.0003	.0025	12.83	.0001	1.697	.0026	-0.031	.0008	.0019	
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2096.6	6447.8	47502.	7606.3						
Stddev	1.3	8.7	94.	86.0						
%RSD	.06122	.13481	.19767	1.1305						
#1	2096.1	6437.7	47489.	7702.0						
#2	2095.7	6453.0	47415.	7535.5						
#3	2098.1	6452.5	47601.	7581.5						

Sample Name: FA37213-31 Acquired: 9/26/2016 15:58:55 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.014	.1615	.0003	.0625	.0000	186.3	.0001	-0.001	.0015	-0.009
Stddev	.0004	.0114	.0012	.0006	.0000	.0	.0000	.0002	.0004	.0002
%RSD	28.65	7.083	485.5	.9984	342.4	.0240	22.16	149.1	24.01	19.35
#1	-0.017	.1732	.0008	.0632	.0001	186.3	.0001	-0.004	.0019	-0.009
#2	-0.016	.1504	.0012	.0620	.0001	186.2	.0001	-0.001	.0014	-0.012
#3	-0.009	.1608	-0.0012	.0623	.0000	186.3	.0001	.0000	.0012	-0.008
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	4.215	2.652	42.59	.0568	.0009	136.5	-0.002	-0.0071	.0001	.0036
Stddev	.017	.039	.13	.0003	.0001	.3	.0002	.0009	.0011	.0021
%RSD	.4129	1.459	.2964	.4933	8.579	.1991	85.14	1		

Sample Name: CCV Acquired: 9/26/2016 16:27:56 Type: QC
Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Int. Std. Units, In2306 Cts/S, Y_2243 Cts/S, Y_3600 Cts/S, Y_3710 Cts/S. Rows include Avg, Stddev, %RSD, and #1-#3.

Sample Name: CCB Acquired: 9/26/2016 16:32:01 Type: QC
Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem Units, Ag3280 ppm, Al3961 ppm, As1890 ppm, Ba4554 ppm, Be3130 ppm, Ca3179 ppm, Cd2265 ppm, Co2286 ppm, Cr2677 ppm. Rows include Avg, Stddev, %RSD, and #1-#3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 11 columns: Elem Units, Cu3247 ppm, Fe2599 ppm, K_7664 ppm, Mg2790 ppm, Mn2576 ppm, Mo2020 ppm, Na5895 ppm, Ni2316 ppm, Pb2203 ppm. Rows include Avg, Stddev, %RSD, and #1-#3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 11 columns: Elem Units, Sb2068 ppm, Se1960 ppm, Si2124 ppm, Sn1899 ppm, Sr4077 ppm, Ti3349 ppm, Tl1908 ppm, V_2924 ppm, Zn2062 ppm. Rows include Avg, Stddev, %RSD, and #1-#3.

Check ? Chk Fail Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

7.1 7

Sample Name: CCB Acquired: 9/26/2016 16:32:01 Type: QC
Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Int. Std. Units, In2306 Cts/S, Y_2243 Cts/S, Y_3600 Cts/S, Y_3710 Cts/S. Rows include Avg, Stddev, %RSD, and #1-#3.

Sample Name: IDL 1 Acquired: 9/26/2016 17:04:32 Type: Unk
Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 12 columns: Elem Units, Ag3280 ppm, Al3961 ppm, As1890 ppm, Ba4554 ppm, Be3130 ppm, Ca3179 ppm, Cd2265 ppm, Co2286 ppm, Cr2677 ppm, Cu3247 ppm. Rows include IS Ref, Avg, Stddev, %RSD, and #1-#3.

Table with 11 columns: Elem Units, Fe2599 ppm, K_7664 ppm, Mg2790 ppm, Mn2576 ppm, Mo2020 ppm, Na5895 ppm, Ni2316 ppm, Pb2203 ppm, Sb2068 ppm, Se1960 ppm. Rows include IS Ref, Avg, Stddev, %RSD, and #1-#3.

Table with 8 columns: Elem Units, Si2124 ppm, Sn1899 ppm, Sr4077 ppm, Ti3349 ppm, Tl1908 ppm, V_2924 ppm, Zn2062 ppm. Rows include IS Ref, Avg, Stddev, %RSD, and #1-#3.

Table with 5 columns: Int. Std. Units, In2306 Cts/S, Y_2243 Cts/S, Y_3600 Cts/S, Y_3710 Cts/S. Rows include Avg, Stddev, %RSD, and #1-#3.

Sample Name: IDL 2 Acquired: 9/26/2016 17:08:44 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.007	.0097	.0005	.0001	-0.001	-0.003	.0000	.0000	-0.002	-0.004
Stddev	.0001	.0067	.0008	.0001	.0000	.0015	.000	.000	.0002	.0001
%RSD	9.582	68.93	152.9	71.00	18.83	48.38	56.14	199.0	105.3	35.81
#1	-0.008	.0148	.0014	.0002	-0.001	-0.015	.0000	.0000	-0.003	-0.005
#2	-0.006	.0021	-0.001	.0002	-0.001	-0.033	.0000	.0000	-0.001	-0.004
#3	-0.007	.0121	.0003	.0000	-0.001	-0.044	.0000	.0000	.0000	-0.002
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0012	-0.187	-0.045	.0000	-0.001	-0.533	-0.003	-0.006	-0.002	.0002
Stddev	.0020	.0203	.0167	.0001	.0001	.0062	.0000	.0005	.0001	.0009
%RSD	166.6	108.5	371.7	12250.	60.48	11.67	10.53	79.46	39.80	397.1
#1	.0007	-0.329	.0126	-0.001	-0.002	-0.603	-0.003	-0.011	-0.003	-0.008
#2	-0.005	.0046	-0.207	.0000	-0.001	-0.483	-0.004	-0.006	-0.001	.0006
#3	.0033	-0.278	-0.054	.0000	-0.001	-0.512	-0.003	-0.001	-0.003	.0008
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	.0007	.0001	.0001	.0000	.0000	.0002	-0.002			
Stddev	.0003	.0001	.0000	.0001	.001	.0001	.0001			
%RSD	45.95	107.0	29.67	228.5	127.2	34.28	26.47			
#1	.0010	.0001	.0001	.0001	.0002	.0002	-0.003			
#2	.0005	.0002	.0001	.0000	-0.008	.0003	-0.003			
#3	.0005	.0000	.0001	.0000	.0004	.0001	-0.002			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2795.6	7688.4	56529.	8136.7						
Stddev	6.6	10.3	174.	34.2						
%RSD	.23689	.13456	.30702	.42038						
#1	2788.0	7680.0	56375.	8110.6						
#2	2799.1	7700.0	56717.	8124.0						
#3	2799.8	7685.1	56495.	8175.4						

Sample Name: IDL 3 Acquired: 9/26/2016 17:12:57 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.005	.0018	.0003	.0001	-0.001	-0.023	.0000	-0.001	.0000	-0.007
Stddev	.0003	.0045	.0003	.0002	.0000	.0013	.000	.0001	.000	.0003
%RSD	50.39	255.8	96.90	130.2	55.42	58.16	189.8	112.1	808.5	34.73
#1	-0.005	.0018	.0003	-0.001	.0000	-0.008	-0.001	-0.001	.0000	-0.006
#2	-0.008	-0.027	.0000	.0003	-0.001	-0.033	.0000	-0.002	-0.001	-0.010
#3	-0.003	.0062	.0006	.0002	-0.001	-0.028	.0000	.0000	.0001	-0.006
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	-0.003	.0036	-0.043	.0000	-0.003	-0.582	-0.002	.0001	.0005	.0007
Stddev	.0021	.0224	.0132	.0000	.0002	.0029	.0001	.0005	.0005	.0010
%RSD	603.2	629.9	305.3	59.62	65.12	4.915	28.63	897.8	103.2	136.7
#1	.0001	-0.117	-0.195	.0000	-0.003	-0.553	-0.002	-0.004	.0000	-0.004
#2	.0015	-0.070	.0036	.0000	-0.001	-0.584	-0.001	.0006	.0005	.0009
#3	-0.026	.0293	.0030	.0000	-0.004	-0.610	-0.002	.0000	.0010	.0016
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	.0001	.0001	.0000	-0.001	.0000	.0003	-0.002			
Stddev	.0006	.0001	.000	.0001	.000	.0001	.0000			
%RSD	593.0	66.26	374.1	107.1	173.8	41.09	13.15			
#1	-0.001	.0001	.0000	-0.002	-0.001	.0002	-0.002			
#2	.0008	.0000	.0000	.0000	.0000	.0004	-0.002			
#3	-0.004	.0001	.0000	-0.001	.0000	.0003	-0.002			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2788.4	7684.8	56104.	8109.4						
Stddev	4.8	7.2	293.	70.6						
%RSD	.17325	.09365	.52306	.87043						
#1	2793.9	7691.3	55765.	8126.8						
#2	2786.3	7686.2	56287.	8169.6						
#3	2785.0	7677.1	56259.	8031.7						

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Sample Name: CCV Acquired: 9/26/2016 17:17:08 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2507	39.90	1.877	2.000	1.903	39.77	2.038	2.019	1.963	1.842
Stddev	.0010	.19	.005	.004	.008	.15	.001	.002	.005	.002
%RSD	4.070	4673.	2.545	1.975	4.343	3.852	0.561	1.196	2.579	1.053
#1	2500	40.01	1.873	1.995	1.905	39.84	2.038	2.020	1.963	1.844
#2	2501	40.02	1.876	2.002	1.909	39.87	2.037	2.017	1.958	1.840
#3	2518	39.69	1.882	2.002	1.893	39.59	2.039	2.022	1.968	1.842
Check ?	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass
Value										
Range										
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	37.30	38.20	41.49	1.881	1.959	40.62	1.927	1.943	1.917	1.892
Stddev	.13	.29	.04	.009	.003	.15	.003	.008	.001	.001
%RSD	.3463	.7464	.0888	.5054	.1629	.3710	.1676	.4176	.0544	.0721
#1	37.29	38.33	41.45	1.870	1.956	40.68	1.927	1.939	1.916	1.892
#2	37.43	38.40	41.49	1.888	1.959	40.74	1.924	1.937	1.917	1.892
#3	37.17	37.87	41.52	1.885	1.963	40.45	1.931	1.952	1.918	1.890
Check ?	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass
Value										
Range										
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm			
Avg	2.162	2.134	1.915	1.896	1.948	1.996	2.022			
Stddev	.001	.004	.007	.004	.001	.005	.004			
%RSD	.0307	.1693	.3531	.2035	.0683	.2477	.1743			
#1	2.163	2.137	1.916	1.895	1.947	1.997	2.023			
#2	2.163	2.130	1.921	1.893	1.948	1.991	2.018			
#3	2.161	2.134	1.908	1.901	1.950	2.001	2.025			
Check ?	None	Chk	Pass	Chk	Pass	Chk	Pass			
Value										
Range										

Sample Name: CCV Acquired: 9/26/2016 17:17:08 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2386.9	7346.6	52829.	8039.3
Stddev	9.6	15.5	266.	22.3
%RSD	.40165	.21077	.50268	.27778
#1	2393.3	7355.0	52963.	8064.4
#2	2391.4	7356.0	53001.	8031.6
#3	2375.8	7328.7	52524.	8021.8

Sample Name: CCB Acquired: 9/26/2016 17:21:13 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.005	0.080	0.013	0.003	0.001	0.007	0.000	0.000	0.000
Stddev	0.003	0.061	0.002	0.001	0.001	0.017	0.001	0.000	0.003
%RSD	57.73	76.39	16.31	36.53	74.02	255.3	162.0	116.0	779.2
#1	-0.002	0.147	0.011	0.004	0.002	-0.009	0.000	-0.001	-0.002
#2	-0.008	0.064	0.015	0.004	0.001	0.025	0.001	0.001	0.004
#3	-0.006	0.028	0.014	0.002	0.000	0.004	0.000	0.000	-0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	0.157	0.440	0.020	0.001	F.0022	-0.0513	-0.003	-0.002
Stddev	0.000	0.028	0.116	0.010	0.000	0.004	0.081	0.001	0.004
%RSD	5.303	17.80	26.40	495.0	17.74	20.51	15.76	23.41	250.2
#1	-0.004	0.183	0.371	-0.042	0.001	0.027	-0.0503	-0.002	0.003
#2	-0.004	0.160	0.575	0.137	0.001	0.021	-0.0437	-0.002	-0.005
#3	-0.004	0.127	0.375	-0.034	0.001	0.018	-0.0598	-0.003	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F.0025	0.019	-0.001	0.004	0.002	0.005	0.009	0.002	-0.001
Stddev	0.010	0.011	0.001	0.002	0.000	0.001	0.006	0.003	0.000
%RSD	38.93	56.18	224.9	47.60	9.533	19.00	65.15	112.9	59.58
#1	0.031	0.008	-0.002	0.006	0.002	0.006	0.014	0.001	-0.001
#2	0.014	0.029	0.001	0.003	0.002	0.004	0.003	0.001	-0.001
#3	0.030	0.021	-0.001	0.002	0.002	0.005	0.009	0.005	0.000

Check ? Chk Fail Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 9/26/2016 17:21:13 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2791.6	7634.1	56198.	8102.8
Stddev	4.4	8.8	98.	21.6
%RSD	.15811	.11490	.17405	.26719
#1	2795.2	7643.3	56087.	8101.1
#2	2792.9	7633.0	56236.	8125.2
#3	2786.7	7625.9	56271.	8082.0

Sample Name: IDL 4 Acquired: 9/26/2016 17:25:24 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.007	0.040	0.004	0.001	0.000	-0.055	0.000	0.000	0.000	-0.007
Stddev	0.002	0.040	0.001	0.001	0.000	0.016	0.000	0.000	0.001	0.001
%RSD	22.84	99.83	30.89	50.63	64.92	29.96	163.8	501.2	334.4	19.23
#1	-0.007	0.067	0.004	0.002	0.000	-0.037	0.000	0.000	0.002	-0.007
#2	-0.006	0.057	0.003	0.001	-0.001	-0.059	-0.001	-0.001	-0.001	-0.006
#3	-0.009	-0.006	0.006	0.001	0.000	-0.068	0.000	0.001	0.001	-0.009

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	0.014	-0.099	0.034	0.000	0.005	-0.013	-0.003	-0.005	0.008	0.003
Stddev	0.002	0.089	0.042	0.000	0.001	0.083	0.000	0.001	0.006	0.005
%RSD	15.78	89.79	416.2	441.1	30.34	13.57	5.714	18.20	79.35	158.8
#1	0.014	-0.180	-0.112	0.000	0.004	-0.070	-0.003	-0.004	0.003	0.006
#2	0.016	-0.113	0.172	0.000	0.004	-0.063	-0.003	-0.006	0.005	-0.003
#3	0.012	-0.004	0.043	0.000	0.006	-0.058	-0.003	-0.005	0.015	0.008

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.001	0.002	0.001	0.001	0.007	0.002	-0.002
Stddev	0.001	0.002	0.000	0.001	0.004	0.001	0.000
%RSD	123.7	69.72	33.69	104.9	47.40	36.03	7.046
#1	-0.002	0.003	0.001	0.001	0.004	0.002	-0.002
#2	-0.002	0.000	0.001	0.002	0.011	0.001	-0.002
#3	0.000	0.004	0.001	0.000	0.008	0.001	-0.002

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2804.0	7650.4	56240.	8125.3
Stddev	3.8	6.0	154.	39.2
%RSD	.13454	.07802	.27416	.48189
#1	2801.6	7644.0	56418.	8080.5
#2	2808.4	7651.1	56141.	8153.0
#3	2802.1	7655.9	56161.	8142.3

Sample Name: IDL 5 Acquired: 9/26/2016 17:29:35 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.005	0.033	0.004	0.000	0.000	-0.048	0.000	-0.001	0.000	-0.007
Stddev	0.004	0.084	0.006	0.001	0.000	0.013	0.000	0.001	0.000	0.001
%RSD	75.05	258.6	163.8	385.9	198.6	27.27	96.01	54.61	351.0	11.89
#1	-0.005	0.114	0.010	0.002	0.000	-0.039	-0.001	-0.001	0.001	-0.008
#2	-0.001	0.038	0.000	0.000	0.000	-0.042	0.000	-0.002	0.000	-0.006
#3	-0.009	-0.054	0.000	-0.001	0.000	-0.063	0.000	-0.001	0.000	-0.008

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	0.007	0.055	-0.023	0.000	0.001	-0.056	-0.003	-0.009	0.005	0.009
Stddev	0.013	0.353	0.137	0.000	0.001	0.077	0.001	0.003	0.004	0.018
%RSD	185.9	640.4	603.9	119.1	84.64	11.70	20.94	30.68	76.64	200.6
#1	0.001	-0.205	-0.164	0.000	0.001	-0.071	-0.003	-0.010	0.010	0.006
#2	0.022	0.457	0.108	0.000	0.002	-0.053	-0.003	-0.006	0.004	0.028
#3	-0.002	-0.087	-0.012	0.000	0.000	-0.063	-0.004	-0.012	0.002	-0.007

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.005	0.001	0.000	0.000	0.005	0.003	-0.002
Stddev	0.001	0.001	0.001	0.001	0.002	0.001	0.000
%RSD	28.80	50.25	248.4	243.7	33.93	42.89	11.78
#1	-0.004	0.001	0.001	0.001	0.005	0.004	-0.002
#2	-0.007	0.001	0.000	-0.001	0.006	0.002	-0.002
#3	-0.004	0.002	0.000	0.001	0.003	0.004	-0.002

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2802.5	7639.8	56582.	8122.0
Stddev	8.3	8.0	219.	13.8
%RSD	.29559	.10504	.38749	.16988
#1	2805.9	7640.9	56357.	8137.3
#2	2808.6	7647.3	56796.	8118.1
#3	2793.1	7631.3	56592.	8110.6

Sample Name: IDL 6 Acquired: 9/26/2016 17:33:46 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	
Avg	-0.008	.0033	.0006	.0002	.0000	-.0046	.0000	-.0001	.0000	-.0008	
Stddev	.0005	.0028	.0007	.0001	.0000	.0011	.0000	.0001	.0000	.0002	
%RSD	56.39	85.65	112.5	53.99	132.5	24.03	39.46	101.0	162.4	22.44	
#1	-.0003	.0063	.0000	.0003	.0000	-.0057	.0000	-.0003	-.0001	-.0009	
#2	-.0012	.0029	.0014	.0001	.0000	-.0048	.0000	-.0002	.0000	-.0009	
#3	-.0010	.0007	.0005	.0002	-.0001	-.0034	.0000	.0000	.0000	-.0006	
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	
Avg	.0004	-.0110	-.0040	.0000	.0000	-.0635	.0000	-.0010	.0003	.0008	
Stddev	.0009	.0106	.0072	.0000	.0000	.0051	.0001	.0010	.0011	.0010	
%RSD	237.7	97.12	181.0	32.44	1178.	8.039	483.8	98.99	385.5	128.5	
#1	-.0006	-.0058	.0028	.0000	.0001	-.0580	.0000	-.0019	-.0001	.0008	
#2	.0010	-.0232	-.0116	.0000	.0000	-.0681	.0002	-.0012	-.0006	.0018	
#3	.0008	-.0039	-.0032	-.0001	-.0001	-.0643	-.0001	.0001	.0015	-.0002	
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062				
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)				
Avg	-.0002	.0000	.0001	.0000	.0005	.0001	-.0001				
Stddev	.0003	.0003	.0000	.0000	.0003	.0001	.0000				
%RSD	179.9	1075.	48.41	232.8	57.48	121.9	24.85				
#1	-.0001	-.0001	.0001	-.0001	.0002	.0000	-.0001				
#2	.0001	.0003	.0000	-.0001	.0008	.0001	-.0001				
#3	-.0004	-.0001	.0000	.0001	.0004	.0003	-.0001				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710							
Avg	2805.0	7649.9	56382.	8154.2							
Stddev	9.9	23.3	123.	69.9							
%RSD	.35163	.30522	.21834	.85664							
#1	2794.1	7624.1	56346.	8234.1							
#2	2807.9	7656.0	56282.	8104.9							
#3	2813.2	7669.6	56520.	8123.5							

Sample Name: IDL 7 Acquired: 9/26/2016 17:37:58 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0007	.0027	.0004	.0002	.0000	-.0041	-.0001	-.0002	.0000	-.0007
Stddev	.0002	.0040	.0005	.0001	.0000	.0003	.0000	.0001	.0000	.0002
%RSD	28.17	151.5	143.1	54.24	126.3	8.308	43.51	36.70	563.7	27.59
#1	-.0005	-.0009	.0002	.0001	-.0001	-.0045	-.0001	-.0002	.0000	-.0009
#2	-.0008	.0071	.0009	.0003	-.0001	-.0041	.0000	-.0002	.0002	-.0007
#3	-.0008	.0018	-.0001	.0001	.0000	-.0038	-.0001	-.0001	-.0003	-.0005
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-.0002	-.0129	-.0051	.0000	-.0001	-.0689	-.0004	-.0004	.0002	.0010
Stddev	.0020	.0383	.0155	.0000	.0001	.0040	.0002	.0004	.0008	.0016
%RSD	866.6	296.9	304.2	183.9	114.2	5.797	53.12	94.90	335.0	163.6
#1	-.0007	.0011	.0014	.0000	.0000	-.0661	-.0006	.0000	.0012	.0004
#2	.0020	-.0563	-.0228	.0000	-.0001	-.0672	-.0003	-.0004	-.0001	-.0003
#3	-.0019	.0165	.0061	.0000	.0000	-.0735	-.0002	-.0007	-.0004	.0027
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	-.0003	.0002	.0000	.0000	.0006	.0002	-.0002			
Stddev	.0004	.0001	.0000	.0000	.0002	.0000	.0000			
%RSD	169.3	74.60	178.9	3415.	28.38	22.78	16.05			
#1	.0002	.0003	.0000	-.0001	.0004	.0003	-.0003			
#2	-.0003	.0000	.0000	.0000	.0007	.0002	-.0002			
#3	-.0006	.0003	.0000	.0001	.0006	.0002	-.0002			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2807.8	7620.0	56736.	8121.1						
Stddev	14.7	24.5	169.	35.6						
%RSD	.52408	.32201	.29708	.43855						
#1	2823.7	7647.9	56921.	8155.0						
#2	2794.6	7601.6	56696.	8124.3						
#3	2805.1	7610.6	56591.	8084.0						

Sample Name: CRIA Acquired: 9/26/2016 17:42:09 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0076	.2171	.0098	.2072	.0048	1.030	.0054	.0537	.0100	.0223
Stddev	.0004	.0061	.0005	.0005	.0000	.004	.0000	.0001	.0002	.0001
%RSD	5.621	2.789	5.505	2.351	1.025	.3627	.9097	1.383	2.346	6.408
#1	.0071	.2101	.0097	.2075	.0047	1.026	.0054	.0537	.0103	.0223
#2	.0079	.2206	.0103	.2066	.0048	1.034	.0053	.0537	.0100	.0224
#3	.0078	.2206	.0093	.2074	.0048	1.030	.0054	.0536	.0098	.0221
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.2906	9.430	5.515	.0142	.0491	10.41	.0400	.0037	.0063	.0112
Stddev	.0025	.058	.013	.0001	.0000	.04	.0002	.0001	.0006	.0024
%RSD	.8491	.6191	.2290	.5143	.0566	.3451	.4685	1.992	10.01	21.54
#1	.2881	9.364	5.527	.0142	.0490	10.39	.0400	.0038	.0058	.0098
#2	.2931	9.473	5.502	.0143	.0491	10.46	.0401	.0037	.0070	.0098
#3	.2905	9.454	5.517	.0142	.0491	10.40	.0398	.0036	.0061	.0139
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	.0519	.0558	.0092	.0093	.0100	.0483	.0215			
Stddev	.0006	.0002	.0001	.0001	.0003	.0002	.0001			
%RSD	1.150	.3775	.5730	.7892	2.550	.3726	.4107			
#1	.0512	.0559	.0093	.0092	.0097	.0484	.0216			
#2	.0523	.0555	.0092	.0094	.0102	.0484	.0214			
#3	.0521	.0559	.0092	.0093	.0101	.0481	.0214			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2698.4	7582.3	55967.	8115.8						
Stddev	3.2	19.9	367.	8.7						
%RSD	.11729	.26301	.65497	.10728						
#1	2695.9	7559.3	55978.	8112.6						
#2	2702.0	7594.8	55595.	8125.7						
#3	2697.2	7592.8	56328.	8109.2						

Sample Name: ICESA Acquired: 9/26/2016 17:46:16 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0008	F500.2	.0003	.0008	.0000	473.1	.0004	.0009	.0009	.0003
Stddev	.0004	9.3	.0007	.0001	.0001	5.5	.0001	.0001	.0001	.0001
%RSD	52.84	1.866	274.4	12.54	567.7	1.163	31.81	9.216	17.46	
#1	-.0012	491.2	-.0003	.0007	-.0001	474.0	.0006	.0010	.0004	
#2	-.0006	499.5	.0011	.0009	.0000	467.2	.0003	.0008	.0003	
#3	-.0005	509.9	.0000	.0007	.0001	478.1	.0005	.0009	.0003	
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	
Avg	-.0017	171.0	.1245	F535.9	-.0009	-.0001	.1440	.0013	-.0022	
Stddev	.0005	.9	.0385	2.4	.0000	.0003	.0059	.0000	.0024	
%RSD	28.04	.5006	30.91	.4392	4.118	299.9	4.070	2.195	110.6	
#1	-.0022	170.2	.1689	534.7	-.0009	.0001	.1460	.0013	-.0010	
#2	-.0012	171.9	.1012	534.5						

Sample Name: ICSAB Acquired: 9/26/2016 17:50:41 Type: Unk
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F.9326	F.506.8	1.036	5.284	4.737	480.5	1.001	4.965	5.053
Stddev	.0054	10.4	.002	.0007	.0007	1.9	.002	.0006	.0007
%RSD	.5837	2.042	.2149	.1389	.1419	.3863	.1926	.1293	.1310
#1	.9389	499.5	1.033	5.287	4.730	478.5	.9995	4.960	5.050
#2	.9290	518.6	1.037	5.275	4.743	480.8	.9999	4.963	5.060
#3	.9300	502.3	1.037	5.289	4.736	482.2	1.003	4.972	5.048
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4807	168.2	.0146	F.539.3	4.618	.9557	.0769	.9271	9.799
Stddev	.0016	2.6	.0376	1.8	.0020	.0020	.0057	.0014	.0008
%RSD	.3237	1.524	257.5	.3291	.4342	.2110	7.361	.1524	.0824
#1	.4800	167.2	.0274	538.1	4.636	.9536	.0802	.9255	9.792
#2	.4825	171.2	.0441	541.3	4.622	.9560	.0704	.9275	9.808
#3	.4796	166.4	-.0277	538.3	4.597	.9576	.0801	.9282	9.798
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.007	.9888	.0296	1.025	.9443	.9417	.9836	.4747	.9904
Stddev	.004	.0019	.0007	.002	.0009	.0030	.0033	.0011	.0021
%RSD	.4121	.1882	2.336	.2123	.0920	.3231	.3320	.2230	.2140
#1	1.004	.9905	.0303	1.026	.9434	.9450	.9799	.4757	.9887
#2	1.005	.9891	.0295	1.023	.9451	.9412	.9860	.4736	.9897
#3	1.012	.9868	.0289	1.026	.9444	.9390	.9849	.4747	.9928
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2001.6	6602.3	4742.7	7690.7					
Stddev	3.0	13.6	117.	73.0					
%RSD	.14839	.20605	.24619	.94887					
#1	2004.6	6612.3	4742.9	7754.6					
#2	2001.5	6607.7	4731.0	7611.2					
#3	1998.7	6586.8	4754.3	7706.4					

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Sample Name: CCV Acquired: 9/26/2016 17:55:03 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2412.8	7327.2	53548.	8096.1
Stddev	6.2	10.0	119.	15.9
%RSD	.25863	.13657	.22129	.19638
#1	2408.8	7333.2	53414.	8082.0
#2	2420.0	7332.8	53639.	8093.1
#3	2409.5	7315.7	53593.	8113.4

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Sample Name: CCV Acquired: 9/26/2016 17:55:03 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2510	39.75	1.835	2.013	1.864	39.54	2.050	2.028	1.949
Stddev	.0006	.09	.003	.007	.003	.11	.002	.001	.003
%RSD	.2337	.2291	.1472	.3517	.1798	.2724	.0920	.0710	.1549
#1	.2516	39.82	1.834	2.020	1.865	39.61	2.050	2.026	1.952
#2	.2507	39.78	1.838	2.014	1.867	39.58	2.049	2.029	1.947
#3	.2505	39.65	1.833	2.006	1.860	39.41	2.053	2.027	1.947
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F.1.788	36.42	37.40	42.01	1.805	1.943	40.54	1.889	1.913
Stddev	.009	.07	.03	.19	.011	.005	.08	.004	.003
%RSD	.4873	.1859	.0741	.4586	.6143	.2423	.1933	.1998	.1612
#1	1.788	36.38	37.37	42.21	1.808	1.937	40.62	1.888	1.916
#2	1.797	36.50	37.42	41.99	1.815	1.945	40.54	1.894	1.910
#3	1.780	36.37	37.41	41.83	1.793	1.946	40.47	1.886	1.913
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	2.000								
Range	-10.00%								
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.894	1.860	2.127	2.178	1.889	1.843	1.914	2.003	2.023
Stddev	.005	.005	.002	.004	.002	.008	.003	.002	.001
%RSD	.2734	.2705	.1047	.1601	.1081	.4178	.1524	.0780	.0477
#1	1.891	1.856	2.129	2.174	1.891	1.851	1.916	2.005	2.022
#2	1.900	1.866	2.127	2.180	1.889	1.843	1.911	2.003	2.023
#3	1.891	1.860	2.125	2.180	1.887	1.835	1.914	2.002	2.024
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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7.1

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Sample Name: CCB Acquired: 9/26/2016 17:59:06 Type: QC
 Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0009	.0174	.0011	.0005	.0002	.0032	.0000	-.0001	.0001
Stddev	.0002	.0033	.0004	.0002	.0001	.0005	.000	.0001	.0001
%RSD	22.36	19.18	34.91	38.21	47.70	16.53	154.30	93.81	64.90
#1	-.0011	.0157	.0008	.0003	.0003	.0037	.0000	-.0001	.0000
#2	-.0009	.0213	.0015	.0007	.0001	.0034	.0000	.0000	.0001
#3	-.0007	.0153	.0009	.0004	.0001	.0026	.0000	-.0002	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0007	.0197	.0082	-.0026	.0001	F.0021	-.0547	-.0003	-.0009
Stddev	.0002	.0047	.0177	.0133	.0000	.0003	.0039	.0001	.0004
%RSD	30.83	23.94	214.6	507.1	10.70	12.85	7.165	51.67	50.21
#1	-.0008	.0241	-.0058	-.0130	.0001	.0023	-.0532	-.0003	-.0004
#2	-.0004	.0203	.0024	.0124	.0001	.0021	-.0518	-.0001	-.0010
#3	-.0008	.0147	.0281	-.0072	.0001	.0018	-.0592	-.0004	-.0013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-.0010			
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018	F.0026	.0000	.0005	.0002	.0004	.0008	.0002	.0000
Stddev	.0010	.0015	.000	.0004	.0000	.0001	.0004	.0001	.0000
%RSD	59.11	55.78	2732.	97.50	17.00	23.67	46.35	42.55	316.0
#1	.0028	.0010	-.0002	.0009	.0003	.0004	.0012	.0001	.0000
#2	.0007	.0032	-.0003	.0000	.0002	.0003	.0005	.0003	.0001
#3	.0018	.0037	.0005	.0004	.0002	.0004	.0006	.0002	.0000
Check ?	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.0020							
Low Limit		-.0020							

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Sample Name: CCB Acquired: 9/26/2016 17:59:06 Type: QC
Method: 60102007_041712(v306) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2807.0	7618.4	56728.	8117.1
Stddev	4.5	11.0	104.	46.7
%RSD	.16067	.14382	.18249	.57577
#1	2812.2	7625.9	56743.	8140.2
#2	2805.2	7605.8	56823.	8147.8
#3	2803.7	7623.4	56618.	8063.3

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	3	V	-0.009834	0.000000	No
			Fe	-0.000001	0.000000	No
			Mg	0.000002	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.035224	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	5	Fe	-0.000085	0.000000	No
			Cr	-0.000226	0.000000	No
			Mo	-0.000017	0.000000	No
			Al	0.000004	0.000000	No
			Ca	0.000002	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000018	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000115	0.000000	No
			Ti	-0.000059	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000072	0.000000	No
			Ca	0.000001	0.000000	No
			Al	-0.000001	0.000000	No
			Ti	0.000151	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.003012	0.000000	No
			Fe	0.000005	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	3	Al	0.000005	0.000000	No
			Fe	0.000009	0.000000	No
			Ca	0.000002	0.000000	No
			Mo	0.000528	0.000000	No
			Sn	-0.000012	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	V	-0.000158	0.000000	No
			Ti	-0.000251	0.000000	No
			Al	0.000004	0.000000	No
			Mg	0.000002	0.000000	No
			Co	-0.000787	0.000000	No
			Cd	0.000240	0.000000	No
			Fe	0.000005	0.000000	No
			Mg	0.000001	0.000000	No
			Fe	-0.000017	0.000000	No
			Mo	-0.001012	0.000000	No
Cu	0.001070	0.000000	No			
Ti	0.000036	0.000000	No			
Si	0.000071	0.000000	No			
Ca	-0.000005	0.000000	No			
Cr	0.000050	0.000000	No			
Mg	0.000004	0.000000	No			
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}*	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000005	0.000000	No
			Mg	0.000001	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000017	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000036	0.000000	No
			Co	-0.000054	0.000000	No
			Mo	0.000005	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000269	0.000000	No
			Ti	0.000440	0.000000	No
			Al	0.000261	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	9	Fe	-0.000122	0.000000	No
			Mo	-0.001012	0.000000	No
			Cu	0.001070	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000071	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	0.000050	0.000000	No
			Mg	0.000004	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?			
Sb 206.833 {463}	<input checked="" type="checkbox"/>	10	Fe	0.000019	0.000000	No			
			Cr	0.012140	0.000000	No			
			Mo	-0.004076	0.000000	No			
			V	-0.000611	0.000000	No			
			Sn	-0.010736	0.000000	No			
			Ti	0.000040	0.000000	No			
			Ca	0.000004	0.000000	No			
			Ni	-0.000438	0.000000	No			
			Mg	-0.000002	0.000000	No			
			Al	0.000003	0.000000	No			
Se 196.090 {472}	<input checked="" type="checkbox"/>	10	Fe	0.000006	0.000000	No			
			Ca	-0.000001	0.000000	No			
			Mn	0.000574	0.000000	No			
			Mo	0.000111	0.000000	No			
			Al	-0.000024	0.000000	No			
			V	0.000000	0.000000	No			
			Zn	0.000000	0.000000	No			
			Sr	0.000137	0.000000	No			
			As	-0.000032	0.000000	No			
			Be	0.000212	0.000000	No			
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.019120	0.000000	No			
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None							
Sr 407.771 { 83}	<input checked="" type="checkbox"/>	1	Ca	0.000096	0.000000	No			
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000013	0.000000	No			
Ti 190.856 {477}	<input checked="" type="checkbox"/>	11	Co	0.001145	0.000000	No			
			Fe	0.000031	0.000000	No			
			Al	-0.000011	0.000000	No			
			Ba	-0.000051	0.000000	No			
			Ti	-0.002651	0.000000	No			
			Sb	0.000012	0.000000	No			
			Ca	0.000003	0.000000	No			
			Cr	0.000230	0.000000	No			
			Mg	-0.000003	0.000000	No			
			Mn	0.000818	0.000000	No			
			V	-0.038621	0.000000	No			
			V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000005	0.000000	No
						Cr	-0.002590	0.000000	No
						Mo	-0.005797	0.000000	No
						Ti	0.000364	0.000000	No
Mn	-0.000693	0.000000				No			
Y 224.306 {450}* Y 360.073 { 94}* Y 371.030 { 91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5							
			Cr	-0.000965	0.000000	No			
			Al	0.000005	0.000000	No			
			Ca	0.000003	0.000000	No			
			Fe	0.000006	0.000000	No			
			As	0.001128	0.000000	No			

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	9/26/2016 9:38:23	9/26/2016 9:07:43	Linear	1/Conc	-0.001487	0.556552	0.000000	1.000000
Al 396.152 { 85}	9/26/2016 9:38:23	9/26/2016 9:07:43	Linear	1/Conc	0.001197	0.157589	0.000000	1.000000
As 189.042 {478}	9/26/2016 9:38:23	9/26/2016 9:07:43	Linear	1/Conc	-0.000504	0.179641	0.000000	1.000000
Ba 455.403 { 74}	9/26/2016 9:38:23	9/26/2016 9:07:43	Linear	1/Conc	-0.002652	8.255990	0.000000	1.000000
Be 313.042 {108}	9/26/2016 9:38:23	9/26/2016 9:07:43	Linear	1/Conc	0.000511	8.864735	0.000000	1.000000
Ca 317.933 {106}	9/26/2016 9:38:23	9/26/2016 9:07:43	Linear	1/Conc	0.006542	0.308576	0.000000	1.000000
Cd 226.502 {449}	9/26/2016 9:38:23	9/26/2016 9:07:43	Linear	1/Conc	0.000077	4.793378	0.000000	1.000000
Co 228.616 {447}	9/26/2016 9:38:23	9/26/2016 9:07:43	Linear	1/Conc	-0.000038	2.277329	0.000000	1.000000
Cr 267.716 {126}	9/26/2016 9:38:23	9/26/2016 9:07:43	Linear	1/Conc	0.000468	0.482918	0.000000	1.000000
Cu 324.754 {104}	9/26/2016 9:38:23	9/26/2016 9:07:43	Linear	1/Conc	0.001762	0.693125	0.000000	1.000000
Fe 259.940 {130}	9/26/2016 9:38:23	9/26/2016 9:07:43	Linear	1/Conc	0.001232	0.196957	0.000000	1.000000
In 230.606 {446}	9/26/2016 9:38:23	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	9/26/2016 9:38:23	9/26/2016 9:07:43	Linear	1/Conc	0.010317	0.071771	0.000000	1.000000
Mg 279.079 {121}	9/26/2016 9:38:23	9/26/2016 9:07:43	Linear	1/Conc	0.000319	0.028050	0.000000	1.000000
Mn 257.610 {131}	9/26/2016 9:38:23	9/26/2016 9:07:43	Linear	1/Conc	0.000296	2.505123	0.000000	1.000000
Mo 202.030 {467}	9/26/2016 9:38:23	9/26/2016 9:07:43	Linear	1/Conc	0.000279	1.102488	0.000000	1.000000
Na 589.592 { 57}	9/26/2016 9:38:23	9/26/2016 9:07:43	Linear	1/Conc	-0.012593	0.315080	0.000000	1.000000
Ni 231.604 {445}	9/26/2016 9:38:23	9/26/2016 9:07:43	Linear	1/Conc	-0.000485	1.217901	0.000000	1.000000
Pb 220.353 {453}	9/26/2016 9:38:23	9/26/2016 9:07:43	Linear	1/Conc	-0.002986	1.312477	0.000000	1.000000
Sb 206.833 {463}	9/26/2016 9:38:23	9/26/2016 9:07:43	Linear	1/Conc	0.000630	0.223308	0.000000	1.000000
Se 196.090 {472}	9/26/2016 9:38:23	9/26/2016 9:07:43	Linear	1/Conc	-0.000265	0.133913	0.000000	1.000000
Si 212.412 {459}	9/26/2016 9:38:23	9/26/2016 9:07:43	Linear	1/Conc	0.003692	0.359695	0.000000	1.000000
Sn 189.989 {477}	9/26/2016 9:38:23	9/26/2016 9:07:43	Linear	1/Conc	0.000466	0.455367	0.000000	1.000000
Sr 407.771 { 83}	9/26/2016 9:38:23	9/26/2016 9:07:43	Linear	1/Conc	-0.006098	14.565139	0.000000	1.000000
Ti 334.941 {101}	9/26/2016 9:38:23	9/26/2016 9:07:43	Linear	1/Conc	0.001439	1.810427	0.000000	1.000000
Tl 190.856 {477}	9/26/2016 9:38:23	9/26/2016 9:07:43	Linear	1/Conc	-0.002952	0.662021	0.000000	1.000000
V 292.402 {115}	9/26/2016 9:38:23	9/26/2016 9:07:43	Linear	1/Conc	-0.000200	0.645178	0.000000	1.000000
Y 224.306 {450}	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	9/26/2016 9:38:23	9/26/2016 9:07:43	Linear	1/Conc	0.001553	2.833928	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999988	0.000025	0.000382	0.001274	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999929	0.003035	0.007492	0.024975	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999978	0.000096	0.000719	0.002398	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999905	0.009150	0.000182	0.000606	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999959	0.006458	0.000058	0.000194	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999880	0.007700	0.002044	0.006813	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999925	0.004722	0.000041	0.000136	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999926	0.002241	0.000093	0.000309	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999992	0.000156	0.000250	0.000834	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999993	0.000213	0.000264	0.000879	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999755	0.007018	0.001696	0.005653	OK	1.000000	0.000000	1	0
In 230.606 {446}	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999945	0.001213	0.027806	0.092686	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999858	0.000763	0.014587	0.048624	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999926	0.002460	0.000044	0.000146	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999990	0.000404	0.000121	0.000402	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999875	0.008036	0.006687	0.022291	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999921	0.001235	0.000170	0.000566	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999955	0.001003	0.000452	0.001508	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999988	0.000088	0.000932	0.003106	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999993	0.000041	0.001467	0.004889	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.996119	0.002609	0.000411	0.001369	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999723	0.000863	0.000236	0.000785	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999923	0.014574	0.000067	0.000224	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999970	0.001123	0.000106	0.000354	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999994	0.000177	0.000582	0.001941	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999998	0.000099	0.000243	0.000811	OK	1.000000	0.000000	1	0
Y 224.306 {450}	0.000000	0.000000	-1.000000	1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}	0.000000	0.000000	-1.000000	1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}	0.000000	0.000000	-1.000000	1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999921	0.002868	0.000051	0.000169	OK	1.000000	0.000000	1	0

Sample Name: HSTD Acquired: 10/14/2016 9:09:58 Type: QC
 Method: 60102007_042011(v316) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5001	78.82	4.043	3.938	3.965	78.00	3.986	3.972	3.996
Stddev	.0007	.24	.007	.008	.015	.48	.008	.004	.008
%RSD	.1317	.3020	.1637	.1989	.3872	.6155	.1976	.1091	.2080

#1	.5005	78.79	4.050	3.935	3.959	78.02	3.994	3.977	3.987
#2	.4993	79.07	4.037	3.947	3.982	78.46	3.985	3.971	4.003
#3	.5004	78.60	4.042	3.932	3.954	77.50	3.978	3.969	3.998

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.007	79.88	78.48	78.72	3.899	3.993	78.13	3.946	4.047
Stddev	.003	.33	.29	.52	.018	.006	.19	.001	.007
%RSD	.0813	.4192	.3670	.6631	.4494	.1419	.2409	.0288	.1850

#1	4.007	79.94	78.52	78.69	3.881	3.999	78.14	3.947	4.047
#2	4.004	80.18	78.75	79.26	3.899	3.992	78.32	3.945	4.054
#3	4.011	79.52	78.18	78.21	3.916	3.988	77.94	3.946	4.039

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.037	4.022	3.714	3.965	3.925	4.021	4.032	3.971	3.965
Stddev	.008	.012	.005	.004	.056	.014	.000	.005	.006
%RSD	.1975	.2858	.1485	.0997	1.433	.3539	.0110	.1366	.1617

#1	4.045	4.035	3.721	3.969	3.944	4.016	4.033	3.968	3.970
#2	4.029	4.018	3.710	3.963	3.969	4.011	4.032	3.977	3.967
#3	4.036	4.013	3.712	3.963	3.861	4.038	4.032	3.968	3.958

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 10/14/2016 9:09:58 Type: QC
 Method: 60102007_042011(v316) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1873.5	4458.7	4250.3	5657.4
Stddev	3.2	4.1	112.	38.6
%RSD	.17161	.09232	.26414	.68260

#1	1877.1	4456.1	42610.	5628.5
#2	1872.2	4463.4	42513.	5642.4
#3	1871.1	4456.5	42386.	5701.3

Sample Name: ICV Acquired: 10/14/2016 9:16:11 Type: QC
 Method: 60102007_042011(v316) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2480	40.17	2.013	1.963	2.011	39.95	2.035	2.015	2.041
Stddev	.0007	.17	.005	.007	.005	.17	.005	.002	.003
%RSD	.2882	.4231	.2699	.3453	.2444	.4258	.2682	.0862	.1352

#1	.2484	40.01	2.011	1.958	2.006	39.81	2.037	2.016	2.043
#2	.2485	40.35	2.009	1.970	2.016	40.14	2.039	2.016	2.042
#3	.2472	40.14	2.019	1.959	2.011	39.90	2.029	2.013	2.038

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.988	40.30	39.58	40.00	2.015	2.014	39.49	2.002	1.989
Stddev	.003	.15	.20	.16	.004	.002	.14	.003	.014
%RSD	.1364	.3744	.4938	.4111	.1713	.0883	.3658	.1413	.6809

#1	1.988	40.15	39.43	39.82	2.019	2.014	39.39	2.004	1.993
#2	1.991	40.46	39.80	40.14	2.015	2.013	39.66	2.002	2.000
#3	1.986	40.30	39.50	40.03	2.012	2.016	39.43	1.999	1.974

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.002	2.007	1.867	2.001	1.979	2.100	2.011	1.990	2.009
Stddev	.008	.006	.005	.004	.008	.005	.003	.005	.016
%RSD	.4197	.3026	.2936	.1792	.4236	.2361	.1536	.2590	.7933

#1	1.997	2.010	1.864	2.004	1.970	2.102	2.013	1.993	2.016
#2	1.997	2.000	1.863	2.003	1.987	2.104	2.013	1.992	2.021
#3	2.012	2.011	1.873	1.997	1.980	2.094	2.008	1.984	1.991

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 10/14/2016 9:16:11 Type: QC
 Method: 60102007_042011(v316) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2038.1	4638.9	44037.	5734.7
Stddev	1.8	19.8	15.	22.7
%RSD	.08761	.42601	.03388	.39595

#1	2037.3	4643.5	44026.	5748.5
#2	2040.1	4655.9	44054.	5708.5
#3	2036.8	4617.2	44031.	5747.0

Sample Name: ICB Acquired: 10/14/2016 9:21:30 Type: QC
 Method: 60102007_042011(v316) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0052	.0000	.0001	.0000	-0.0049	.0000	.0000	-0.0001
Stddev	.0000	.0093	.0002	.0001	.0001	.0015	.000	.0000	.0002
%RSD	42.30	177.8	403.6	49.14	248.9	30.82	133.8	85.37	408.3
#1	.0002	-.0008	.0000	.0002	.0000	-.0032	.0000	.0000	-.0002
#2	.0001	.0159	.0003	.0001	.0000	-.0058	.0000	.0000	.0002
#3	.0001	.0005	-.0001	.0001	.0001	-.0058	-.0001	.0000	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0033	.0094	.0146	-.0001	F-.0015	.0052	.0002	.0000
Stddev	.0001	.0017	.0112	.0236	.0000	.0003	.0059	.0001	.000
%RSD	13.15	51.49	118.9	162.4	12.59	20.20	113.2	56.29	3033.
#1	.0004	.0053	.0218	.0395	-.0001	.0018	-.0008	.0003	-.0005
#2	.0005	.0022	.0001	-.0075	-.0001	.0013	.0109	.0001	.0001
#3	.0006	.0025	.0063	.0116	-.0001	.0013	.0055	.0002	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	-.0014	.0011	.0002	.0000	.0003	.0008	.0000	-.0001
Stddev	.0010	.0004	.0002	.0002	.0000	.0000	.0006	.000	.0000
%RSD	138.6	30.33	15.52	122.8	89.27	16.23	77.18	101.3	29.00
#1	.0014	-.0019	.0012	.0002	.0000	.0003	.0005	.0000	-.0001
#2	.0012	-.0010	.0009	.0004	.0001	.0003	.0004	.0000	-.0001
#3	-.0004	-.0014	.0012	.0000	.0000	.0002	.0014	-.0001	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 10/14/2016 9:21:30 Type: QC
 Method: 60102007_042011(v316) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2363.1	4838.3	4663.0	5867.2
Stddev	5.7	8.5	55.	72.3
%RSD	.23930	.17475	.11708	1.2320
#1	2369.3	4845.5	46569.	5785.7
#2	2358.1	4840.5	46676.	5892.4
#3	2361.9	4829.0	46644.	5923.5

7.2
7

Sample Name: CRIA Acquired: 10/14/2016 9:26:23 Type: QC
 Method: 60102007_042011(v316) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0086	.2167	.0103	.2035	.0053	1.044	.0055	.0544	.0108
Stddev	.0003	.0039	.0002	.0012	.0000	.008	.0000	.0002	.0001
%RSD	3.121	1.809	2.280	.5749	.4353	.7635	.6259	.4028	.5991
#1	.0083	.2122	.0103	.2045	.0053	1.052	.0055	.0547	.0107
#2	.0089	.2182	.0106	.2038	.0053	1.044	.0055	.0543	.0108
#3	.0087	.2196	.0101	.2022	.0053	1.036	.0054	.0543	.0108

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0271	.3198	10.07	5.195	.0159	.0517	10.22	.0435	.0047
Stddev	.0002	.0032	.03	.058	.0001	.0000	.05	.0001	.0004
%RSD	.6640	.9893	.2509	1.107	.6077	.0546	.5057	.2350	8.438
#1	.0273	.3195	10.07	5.259	.0159	.0517	10.26	.0434	.0046
#2	.0269	.3231	10.10	5.148	.0158	.0517	10.23	.0436	.0044
#3	.0270	.3167	10.05	5.178	.0160	.0517	10.16	.0435	.0052

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046	.0102	.0934	.0533	.0097	.0106	.0109	.0485	.0218
Stddev	.0004	.0010	.0007	.0002	.0001	.0001	.0004	.0003	.0000
%RSD	9.466	10.20	.7523	.4274	1.227	.8002	3.596	.6773	.2219
#1	.0045	.0094	.0926	.0535	.0097	.0105	.0113	.0486	.0217
#2	.0042	.0098	.0940	.0530	.0098	.0106	.0108	.0481	.0218
#3	.0051	.0113	.0937	.0533	.0096	.0107	.0106	.0487	.0218

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 10/14/2016 9:26:23 Type: QC
 Method: 60102007_042011(v316) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2289.8	4759.3	45583.	5836.9
Stddev	3.5	3.0	175.	37.0
%RSD	.15221	.06337	.38389	.63364
#1	2289.4	4758.9	45551.	5795.9
#2	2286.5	4756.5	45772.	5847.1
#3	2293.4	4762.5	45426.	5867.8

Sample Name: ICSA Acquired: 10/14/2016 9:30:04 Type: QC
 Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.006	496.0	.0017	.0002	-0.001	460.0	.0000	.0006	-0.003
Stddev	.0003	3.1	.0016	.0000	.0000	.5	.000	.0001	.0001
%RSD	44.90	.6251	94.93	14.35	31.09	.1115	305.8	22.45	27.29
#1	-.0004	494.9	.0007	.0003	-.0001	459.7	.0000	.0008	-.0002
#2	-.0008	493.6	.0036	.0002	.0000	460.6	.0000	.0005	-.0004
#3	-.0005	499.5	.0008	.0002	-.0001	459.7	.0000	.0006	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	183.8	.0043	507.9	.0005	.0003	.1278	.0000	-0.002
Stddev	.0003	.5	.0105	.8	.0001	.0005	.0032	.000	.0014
%RSD	498.6	.2679	245.2	.1547	18.42	150.0	2.467	81010.	760.1
#1	-.0001	183.2	.0148	507.1	.0004	.0007	.1301	-.0003	-.0003
#2	-.0004	183.9	.0042	508.7	.0006	.0005	.1292	.0002	.0013
#3	-.0001	184.2	-.0061	507.8	.0005	-.0002	.1242	.0001	-.0016
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.011	.0348	F .0040	.0005	.0002	.0018	.0001	-0.009
Stddev	.0010	.0039	.0008	.0001	.0002	.0001	.0027	.0002	.0002
%RSD	454.6	366.7	2.359	3.224	34.42	27.78	150.7	118.6	25.17
#1	.0005	.0034	.0341	.0040	.0003	.0003	.0038	.0001	-.0010
#2	.0007	-.0030	.0346	.0039	.0006	.0002	.0029	.0003	-.0010
#3	-.0011	-.0037	.0357	.0041	.0004	.0002	-.0013	.0000	-.0006
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.0010					
Low Limit				-.0010					

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Sample Name: ICSAB Acquired: 10/14/2016 9:36:52 Type: QC
 Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.004	502.7	1.133	.5263	.5294	468.0	1.003	.4967	.5236
Stddev	.001	.9	.001	.0010	.0004	.9	.002	.0008	.0020
%RSD	.1402	.1840	.1231	.1919	.0752	.1924	.1607	.1706	.3798
#1	1.004	502.8	1.134	.5255	.5293	468.4	1.004	.4976	.5233
#2	1.002	501.8	1.134	.5274	.5299	466.9	1.003	.4959	.5218
#3	1.005	503.6	1.132	.5259	.5291	468.6	1.001	.4967	.5258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5551	186.7	.0064	524.9	.4968	.9688	.1817	.9699	1.043
Stddev	.0008	.1	.0182	.7	.0021	.0024	.0042	.0020	.003
%RSD	.1468	.0559	285.5	.1368	.4145	.2519	2.335	.2047	.3151
#1	.5558	186.5	-.0145	524.9	.4976	.9714	.1819	.9716	1.040
#2	.5553	186.7	.0190	525.6	.4945	.9666	.1773	.9677	1.047
#3	.5542	186.7	.0146	524.2	.4983	.9684	.1858	.9703	1.043
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value Range									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.070	1.049	.0807	.9400	.9737	1.035	1.025	.4643	.9662
Stddev	.003	.001	.0005	.0016	.0011	.001	.007	.0016	.0008
%RSD	.2742	.1272	.6396	.1696	.1144	.1255	.6855	.3532	.0814
#1	1.072	1.048	.0811	.9414	.9750	1.035	1.023	.4651	.9664
#2	1.071	1.051	.0808	.9402	.9729	1.033	1.019	.4624	.9668
#3	1.067	1.049	.0801	.9383	.9733	1.035	1.032	.4654	.9653
Check ?	Chk Pass	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: ICSA Acquired: 10/14/2016 9:30:04 Type: QC
 Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1720.8	4177.5	40140.	5558.2
Stddev	4.1	7.7	39.	8.6
%RSD	.24065	.18373	.09769	.15410
#1	1716.0	4169.6	40184.	5564.8
#2	1722.9	4184.9	40109.	5548.5
#3	1723.5	4178.2	40127.	5561.3

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Sample Name: ICSAB Acquired: 10/14/2016 9:36:52 Type: QC
 Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1690.2	4174.2	39898.	5474.4
Stddev	1.5	12.1	89.	13.4
%RSD	.09021	.29071	.22238	.24457
#1	1691.7	4161.6	39870.	5485.7
#2	1690.1	4185.8	39997.	5477.9
#3	1688.7	4175.2	39826.	5459.6

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Sample Name: CCV Acquired: 10/14/2016 9:42:50 Type: QC
 Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2470	39.50	2.048	1.925	2.009	38.80	2.061	2.028	2.020
Stddev	.0011	.25	.002	.003	.006	.17	.004	.003	.004
%RSD	.4353	.6251	.1079	.1322	.3187	.4297	.1690	.1642	.1963

#1	.2479	39.74	2.049	1.927	2.015	38.98	2.064	2.031	2.021
#2	.2472	39.52	2.050	1.927	2.010	38.76	2.062	2.028	2.023
#3	.2458	39.25	2.045	1.923	2.002	38.66	2.057	2.024	2.015

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.961	39.85	38.69	38.72	1.970	2.020	38.56	1.990	1.993
Stddev	.007	.18	.13	.34	.001	.003	.12	.003	.005
%RSD	.3694	.4551	.3462	.8776	.0575	.1413	.2997	.1295	.2632

#1	1.969	40.01	38.83	39.05	1.968	2.022	38.66	1.993	1.994
#2	1.961	39.89	38.69	38.75	1.970	2.021	38.60	1.989	1.988
#3	1.954	39.65	38.56	38.37	1.971	2.017	38.43	1.988	1.998

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.050	2.031	2.379	1.998	1.893	2.069	2.025	1.943	1.990
Stddev	.005	.005	.005	.004	.012	.007	.004	.002	.002
%RSD	.2691	.2667	.1989	.2027	.6247	.3181	.1854	.0989	.0918

#1	2.051	2.035	2.380	2.003	1.902	2.075	2.029	1.945	1.991
#2	2.056	2.033	2.383	1.997	1.897	2.069	2.022	1.941	1.988
#3	2.045	2.025	2.374	1.996	1.880	2.062	2.024	1.944	1.991

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 10/14/2016 9:42:50 Type: QC
 Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2031.3	4544.3	4377.3	5808.8
Stddev	7.1	9.5	12.	34.8
%RSD	.34796	.20890	.02837	.59927

#1	2029.0	4534.2	4377.6	5780.6
#2	2039.3	4545.4	4376.0	5798.0
#3	2025.7	4553.1	4378.5	5847.7

Sample Name: CCB Acquired: 10/14/2016 9:49:12 Type: QC
 Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0003	-0.0002	.0001	.0000	-0.0033	.0001	.0000	.0001
Stddev	.0002	.0055	.0007	.0001	.0000	.0011	.0000	.0001	.0001
%RSD	223.6	1585.	276.1	216.5	155.6	34.00	16.17	479.6	111.2

#1	.0002	-0.0045	.0010	.0001	.0000	-0.0046	.0001	.0001	.0001
#2	-.0001	.0059	.0001	-.0001	.0000	-0.0026	.0001	.0001	.0000
#3	.0002	-0.0025	-.0004	.0002	.0000	-0.0027	.0001	-.0001	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	-0.0002	-0.0030	.0089	-0.0002	.0007	-0.0038	.0001	-0.0001
Stddev	.0001	.0005	.0063	.0026	.0001	.0002	.0069	.0002	.0002
%RSD	18.03	214.9	211.6	28.98	36.28	22.68	181.7	136.7	274.6

#1	.0005	-0.0004	-.0102	.0074	-.0002	.0009	-.0030	.0002	.0000
#2	.0007	-0.0007	.0008	.0119	-.0002	.0008	.0027	.0002	-.0004
#3	.0006	.0003	.0005	.0075	-.0001	.0006	-.0111	-.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	-0.0014	.0016	.0000	.0000	.0000	.0013	.0000	-0.0001
Stddev	.0005	.0010	.0002	.0000	.0000	.0000	.0010	.0000	.0000
%RSD	95.85	69.81	9.606	88470.	477.5	235.8	73.53	240.7	19.65

#1	.0000	-0.0025	.0016	.0002	.0001	-.0001	.0004	.0000	-.0001
#2	-.0007	-0.0008	.0015	.0001	.0000	.0000	.0023	.0000	-.0001
#3	-.0010	-0.0008	.0018	-.0003	.0000	.0000	.0012	-.0001	-.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 10/14/2016 9:49:12 Type: QC
 Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2366.8	4785.5	4673.6	5917.4
Stddev	3.2	6.3	73.	16.9
%RSD	.13692	.13107	.15724	.28491

#1	2364.4	4792.2	4665.7	5898.6
#2	2365.4	4784.6	4680.3	5922.4
#3	2370.5	4779.8	4674.7	5931.1

Sample Name: MP30974-MB1 Acquired: 10/14/2016 9:54:34 Type: QC
 Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.0212	-.0032	.0006	-.0005	.0316	-.0002	-.0007
Stddev	.0005	.0238	.0020	.0014	.0001	.0055	.0000	.0004
%RSD	57.22	112.1	63.83	235.3	13.14	17.53	24.45	57.44

#1	.0005	.0287	-.0038	.0015	-.0005	.0326	-.0002	-.0003
#2	.0014	.0403	-.0048	-.0010	-.0005	.0256	-.0002	-.0011
#3	.0007	-.0054	-.0009	.0012	-.0006	.0366	-.0001	-.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0027	.0023	.1072	.0499	.0905	-.0001	.0016	.0515
Stddev	.0006	.0004	.0068	.0762	.0668	.0002	.0001	.0598
%RSD	21.97	18.70	6.372	152.7	73.80	305.5	6.949	116.2

#1	.0023	.0027	.1147	.1279	.1676	-.0004	.0016	-.0129
#2	.0024	.0024	.1056	.0461	.0515	.0000	.0015	.1053
#3	.0034	.0019	.1013	-.0243	.0523	.0001	.0018	.0620

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023	-.0011	-.0008	F -.0060	.0197	F .0534	-.0002	.0045
Stddev	.0006	.0023	.0012	.0023	.0019	.0007	.0001	.0002
%RSD	28.14	201.6	156.3	37.89	9.853	1.318	66.01	3.678

#1	.0030	-.0024	-.0018	-.0065	.0211	.0542	-.0001	.0045
#2	.0020	.0015	.0006	-.0079	.0205	.0530	-.0003	.0046
#3	.0018	-.0025	-.0011	-.0035	.0175	.0529	-.0001	.0043

Check ? Chk Pass Chk Pass Chk Pass Chk Fail Chk Fail Chk Pass Chk Pass
 High Limit .0050 .0250
 Low Limit -.0050 -.0250

Sample Name: MP30974-MB1 Acquired: 10/14/2016 9:54:34 Type: QC
 Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	-.0014	-.0012	F .0193
Stddev	.0055	.0003	.0001
%RSD	392.3	27.78	.6395

#1	-.0023	-.0013	.0195
#2	.0045	-.0014	.0192
#3	-.0064	-.0008	.0193

Check ? Chk Pass Chk Pass Chk Fail
 High Limit .0100
 Low Limit -.0100

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2346.3	4769.8	46490.	5871.8
Stddev	3.1	14.2	41.	3.4
%RSD	.13084	.29818	.08769	.05716

#1	2346.3	4756.8	46446.	5871.7
#2	2349.4	4785.0	46526.	5875.2
#3	2343.2	4767.8	46498.	5868.5

Sample Name: MP30974-B1 Acquired: 10/14/2016 9:59:07 Type: QC
 Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0489	29.13	2.184	2.154	.0565	27.51	.0572	.5728	.2266
Stddev	.0005	.07	.009	.008	.0003	.05	.0001	.0008	.0013
%RSD	1.050	.2483	.4356	.3842	.4913	.1988	.0981	.1437	.5766

#1	.0489	29.20	2.173	2.155	.0565	27.54	.0571	.5720	.2269
#2	.0494	29.12	2.191	2.145	.0562	27.45	.0571	.5727	.2252
#3	.0483	29.06	2.188	2.161	.0567	27.54	.0572	.5737	.2277

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2732	29.34	26.23	26.45	.5640	.5594	26.38	.5720	.5269
Stddev	.0012	.07	.01	.11	.0003	.0014	.10	.0017	.0012
%RSD	.4535	.2473	.0307	.4234	.0601	.2483	.3720	.2916	.2327

#1	.2746	29.41	26.22	26.47	.5640	.5578	26.45	.5703	.5280
#2	.2728	29.27	26.24	26.56	.5643	.5603	26.26	.5719	.5256
#3	.2722	29.34	26.24	26.34	.5636	.5601	26.42	.5737	.5271

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5529	2.178	.0356	F .6318	.5126	.5800	2.171	.5081	.5715
Stddev	.0045	.006	.0024	.0023	.0017	.0012	.010	.0024	.0017
%RSD	.8163	.2746	6.632	.3628	.3327	.2110	.4736	.4722	.3031

#1	.5480	2.174	.0335	.6292	.5142	.5812	2.183	.5072	.5700
#2	.5538	2.185	.0351	.6324	.5108	.5801	2.165	.5109	.5734
#3	.5569	2.175	.0382	.6337	.5128	.5787	2.166	.5063	.5712

Check ? Chk Pass Chk Pass None Chk Fail Chk Fail Chk Pass Chk Pass Chk Pass
 Value .5000
 Range 20.00%

Sample Name: MP30974-B1 Acquired: 10/14/2016 9:59:07 Type: QC
 Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2266.2	4712.5	45991.	5835.9
Stddev	1.6	6.4	137.	9.2
%RSD	.07226	.13655	.29730	.15708

#1	2264.4	4719.0	45855.	5836.3
#2	2266.7	4712.5	45990.	5844.8
#3	2267.5	4706.1	46128.	5826.5

Sample Name: FA37168-1 Acquired: 10/14/2016 10:03:28 Type: Unk
 Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0018	182.5	.0512	1.604	.0037	55.98	-0.002	.0292	.2865
Stddev	.0003	1.0	.0048	.008	.0004	.27	.0003	.0001	.0009
%RSD	15.10	.5626	9.314	.5037	10.11	.4743	135.1	.3861	.3039
#1	.0017	183.7	.0566	1.609	.0033	56.28	-.0006	.0293	.2876
#2	.0016	182.4	.0477	1.607	.0040	55.90	-.0002	.0292	.2861
#3	.0021	181.6	.0492	1.594	.0038	55.77	.0000	.0291	.2860
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.693	193.0	18.61	17.73	2.767	.0132	2.271	.1525	F 45.26
Stddev	.013	1.0	.13	.20	.009	.0007	.015	.0006	.04
%RSD	.3594	.4951	.6746	1.144	.3092	5.197	.6625	.3667	.0800
#1	3.697	194.1	18.75	17.96	2.768	.0129	2.267	.1524	45.28
#2	3.679	192.5	18.57	17.56	2.758	.0140	2.288	.1520	45.22
#3	3.705	192.4	18.50	17.69	2.775	.0127	2.259	.1531	45.29
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1940	-0.004	6.345	.1017	.7258	6.910	.0009	.4755	1.025
Stddev	.0024	.0022	.007	.0010	.0037	.005	.0032	.0029	.003
%RSD	1.245	494.5	.1099	.9697	.5032	.0664	341.4	6.051	.2593
#1	.1925	-.0018	6.344	.1012	.7284	6.909	.0024	.4755	1.027
#2	.1967	.0021	6.339	.1029	.7273	6.907	.0032	.4726	1.022
#3	.1926	-.0016	6.353	.1011	.7216	6.916	-.0027	.4783	1.025
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2234.7	4787.9	46587.	5941.8					
Stddev	3.8	5.2	112.	42.2					
%RSD	.16817	.10945	.23950	.71056					
#1	2235.8	4789.1	46470.	5895.0					
#2	2230.6	4782.2	46692.	5953.3					
#3	2237.9	4792.5	46599.	5977.0					

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Sample Name: MP30974-D1 Acquired: 10/14/2016 10:07:49 Type: Unk
 Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0016	157.3	.0378	1.444	.0032	50.44	-0.002	.0252	.2496
Stddev	.0016	.3	.0022	.007	.0002	.11	.0002	.0001	.0019
%RSD	101.3	.1954	5.862	.4789	6.640	.2116	104.6	.2972	.7607
#1	.0032	157.5	.0365	1.444	.0031	50.47	.0000	.0252	.2488
#2	.0000	157.0	.0365	1.437	.0030	50.53	-.0002	.0253	.2517
#3	.0016	157.5	.0403	1.451	.0034	50.32	-.0004	.0252	.2482
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.364	171.4	16.34	15.86	2.468	.0122	2.183	1.130	F 40.99
Stddev	.011	.3	.14	.20	.013	.0013	.021	.0005	.06
%RSD	.3250	.1523	.8374	1.269	.5324	10.61	.9435	.3424	.1514
#1	3.363	171.7	16.49	15.93	2.463	.0124	2.206	1.134	40.97
#2	3.376	171.2	16.33	16.02	2.483	.0134	2.175	1.130	40.94
#3	3.354	171.4	16.21	15.63	2.458	.0108	2.167	1.1325	41.06
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1741	-0.046	6.287	.0916	.6557	6.063	.0013	.4228	.9254
Stddev	.0022	.0057	.004	.0005	.0035	.028	.0051	.0004	.0030
%RSD	1.283	122.9	.0650	.5345	.5393	4.600	401.0	0.876	.3214
#1	.1726	.0018	6.283	.0910	.6538	6.054	.0043	.4225	.9220
#2	.1767	-.0068	6.286	.0918	.6534	6.094	.0042	.4232	.9256
#3	.1731	-.0088	6.291	.0920	.6597	6.040	-.0047	.4227	.9279
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2243.4	4780.8	46688.	5906.5					
Stddev	3.7	7.6	287.	35.6					
%RSD	.16690	.15910	.61494	.60274					
#1	2243.3	4779.1	46701.	5876.5					
#2	2247.1	4789.1	46394.	5897.0					
#3	2239.7	4774.2	46968.	5945.8					

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7.2
7

Sample Name: MP30974-SD1 Acquired: 10/14/2016 10:12:12 Type: Unk
 Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0067	176.7	.0390	1.557	.0024	54.45	.0002	.0270	.2762
Stddev	.0057	1.1	.0034	.015	.0013	.26	.0007	.0019	.0015
%RSD	84.50	.6178	8.767	.9812	55.59	.4797	463.1	7.034	.5448
#1	.0131	177.0	.0384	1.567	.0011	54.59	-.0006	.0281	.2745
#2	.0050	175.5	.0426	1.539	.0038	54.61	.0008	.0281	.2766
#3	.0021	177.7	.0359	1.564	.0022	54.14	.0003	.0248	.2775
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.618	189.0	17.15	18.21	2.745	.0072	2.117	.1552	43.75
Stddev	.012	.7	.83	.23	.004	.0016	.219	.0021	.04
%RSD	.3304	.3894	4.855	1.241	.1609	21.92	10.34	1.361	.0978
#1	3.626	189.8	17.51	18.04	2.748	.0059	1.979	.1561	43.71
#2	3.604	188.6	16.20	18.47	2.747	.0068	2.003	.1528	43.79
#3	3.623	188.5	17.74	18.14	2.740	.0089	2.369	.1567	43.73
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1684	-0.0440	6.976	.0981	.6989	6.739	-.0020	.4584	1.050
Stddev	.0095	.0478	.044	.0095	.0039	.011	.0302	.0045	.003
%RSD	5.669	108.6	.6338	9.718	.5515	.1683	1526.	.9868	.2496
#1	.1765	-.0174	7.025	.1082	.7033	6.742	.0025	.4633	1.048
#2	.1579	-.0154	6.940	.0969	.6960	6.727	.0257	.4543	1.048
#3	.1709	-.0992	6.963	.0893	.6975	6.749	-.0342	.4578	1.053
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2342.5	4819.9	47103.	5956.6					
Stddev	3.5	9.8	41.	21.8					
%RSD	.15054	.20264	.08662	.36628					
#1	2342.5	4810.0	47070.	5937.3					
#2	2339.0	4820.2	47091.	5952.1					
#3	2346.1	4829.5	47149.	5980.3					

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Sample Name: MP30974-PS1 Acquired: 10/14/2016 10:16:35 Type: Unk
 Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.2442	169.5	.6186	2.764	.2873	75.24	.2913	.3134	.5262
Stddev	.0009	.8	.0056	.023	.0008	.36	.0011	.0015	.0024
%RSD	.3589	.4494	.9040	.8463	.2681	4.752	.3924	.4739	.4604
#1	.2432	170.4	.6123	2.791	.2877	75.64	.2901	.3130	.5282
#2	.2443	169.4	.6227	2.750	.2878	74.94	.2915	.3123	.5235
#3	.2450	168.9	.6209	2.751	.2864	75.15	.2923	.3151	.5269
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.718	181.5	67.71	41.58	2.653	.5786	55.02	6.924	F 39.54
Stddev	.007	.8	.44	.18	.013	.0017	.30	.0026	.10
%RSD	.1972	.4374	.6437	.4344	.4744	2.854	.5533	.3813	.2489
#1	3.709	182.3	68.21						

Sample Name: MP30974-S1 Acquired: 10/14/2016 10:20:51 Type: Unk
Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 11 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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Sample Name: MP30974-D2 Acquired: 10/14/2016 10:29:26 Type: Unk
Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 11 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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Sample Name: MP30974-S2 Acquired: 10/14/2016 10:25:08 Type: Unk
Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 11 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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Sample Name: FA37168-4 Acquired: 10/14/2016 10:33:48 Type: Unk
Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, IS Ref, Avg, Stddev, %RSD) and 11 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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7.2

7

Sample Name: CCV Acquired: 10/14/2016 10:38:08 Type: QC
 Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.459	39.48	2.047	1.905	2.011	38.66	2.057	2.017	2.035
Stddev	.0003	.09	.005	.002	.001	.13	.005	.003	.003
%RSD	.1036	.2195	.2236	.1047	.0373	.3271	.2406	.1365	.1314

#1	.2460	39.57	2.051	1.906	2.011	38.66	2.062	2.019	2.036
#2	.2456	39.46	2.048	1.906	2.012	38.78	2.052	2.014	2.037
#3	.2460	39.40	2.042	1.903	2.011	38.53	2.058	2.017	2.032

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.963	39.82	38.51	38.81	1.958	1.997	38.36	1.975	1.996
Stddev	.009	.03	.15	.13	.004	.002	.12	.003	.009
%RSD	.4520	.0827	.3799	.3460	.2247	.0997	.3013	.1308	.4325

#1	1.969	39.80	38.53	38.95	1.956	1.999	38.44	1.978	1.999
#2	1.952	39.86	38.65	38.78	1.963	1.996	38.40	1.973	1.987
#3	1.966	39.80	38.35	38.69	1.955	1.997	38.22	1.975	2.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.023	2.024	2.355	1.988	1.883	2.089	2.025	1.938	1.985
Stddev	.003	.003	.004	.004	.003	.006	.005	.001	.007
%RSD	.1409	.1410	.1628	.1737	.1349	.3010	.2738	.0426	.3467

#1	2.022	2.024	2.359	1.990	1.885	2.095	2.030	1.938	1.988
#2	2.021	2.027	2.354	1.984	1.885	2.083	2.019	1.937	1.978
#3	2.026	2.021	2.352	1.989	1.880	2.088	2.025	1.938	1.990

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 10/14/2016 10:38:08 Type: QC
 Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2040.3	4587.1	4381.5	5779.8
Stddev	2.9	9.2	16.	20.4
%RSD	.14161	.20106	.03759	.35369

#1	2037.3	4579.3	43796.	5787.2
#2	2043.0	4584.9	43827.	5756.7
#3	2040.5	4597.3	43822.	5795.5

7.2
7

Sample Name: CCB Acquired: 10/14/2016 10:42:19 Type: QC
 Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0071	.0003	.0001	.0001	-0.0041	.0001	.0001	.0000
Stddev	.0003	.0042	.0008	.0002	.0001	.0007	.0001	.0000	.000
%RSD	226.6	59.48	313.1	220.1	83.32	16.86	54.15	41.89	312.3

#1	-.0002	.0049	-.0006	-.0001	.0000	-.0034	.0002	.0001	.0000
#2	.0003	.0044	.0009	.0001	.0002	-.0043	.0001	.0001	-.0002
#3	.0003	.0120	.0005	.0002	.0001	-.0047	.0001	.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0013	-0.0305	.0178	-0.0001	F .0012	.0028	.0003	-0.0003
Stddev	.0002	.0005	.0205	.0171	.0001	.0003	.0039	.0001	.0004
%RSD	51.00	37.00	67.20	95.64	62.08	22.90	140.1	26.50	113.9

#1	.0007	.0013	-.0239	-.0018	.0000	.0015	-.0009	.0004	-.0001
#2	.0003	.0008	-.0535	.0265	-.0001	.0012	.0023	.0002	-.0007
#3	.0004	.0017	-.0141	.0288	-.0001	.0010	.0069	.0003	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit
 .0010
 -.0010

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.0002	.0023	.0000	.0001	.0001	.0016	-0.0001	-0.0001
Stddev	.0007	.0030	.0004	.0002	.0001	.0000	.0003	.0001	.0001
%RSD	1402.	1503.	18.93	901.1	147.2	31.14	16.70	204.1	106.6

#1	.0005	.0030	.0020	.0001	.0000	.0001	.0018	.0001	.0000
#2	-.0007	-.0008	.0020	.0002	.0001	-.0001	.0017	-.0002	-.0001
#3	.0004	-.0029	.0028	-.0002	.0002	.0000	.0013	-.0001	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 10/14/2016 10:42:19 Type: QC
 Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2367.9	4778.4	46328.	5850.6
Stddev	4.5	19.7	99.	25.4
%RSD	.18906	.41146	.21282	.43329

#1	2371.2	4799.8	46219.	5853.4
#2	2369.6	4774.5	46355.	5823.9
#3	2362.8	4761.0	46410.	5874.4

Sample Name: FA37168-7 Acquired: 10/14/2016 10:46:53 Type: Unk
Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0010	178.4	.0423	1.512	.0038	42.00	-.0003	.0276	.2865
Stddev	.0000	.4	.0052	.005	.0002	.16	.0003	.0003	.0012
%RSD	3.621	.1985	12.32	.3204	4.072	.3827	73.25	1.092	.4056
#1	.0010	178.0	.0455	1.517	.0037	41.88	-.0001	.0280	.2873
#2	.0010	178.7	.0363	1.507	.0040	42.18	-.0006	.0275	.2851
#3	.0009	178.5	.0451	1.513	.0039	41.93	-.0003	.0274	.2869
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	4.543	195.0	16.26	13.69	2.472	.0139	1.986	1.571	F 47.90
Stddev	.004	.4	.16	.03	.003	.0008	.011	.0012	.16
%RSD	.0948	.1842	.9924	.2264	.1154	5.637	.5709	.7432	.3438
#1	4.542	194.7	16.30	13.67	2.472	.0146	1.999	1.581	47.80
#2	4.540	195.4	16.40	13.67	2.476	.0130	1.979	1.572	47.81
#3	4.548	194.8	16.08	13.72	2.470	.0140	1.981	1.558	48.09
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1719	-.0017	5.949	.0936	6.159	6.835	-.0014	4.577	1.042
Stddev	.0050	.0072	.008	.0019	.0022	.025	.0093	.0012	.003
%RSD	2.933	432.2	.1414	1.980	.3726	658.2	2.536	.3259	
#1	.1778	.0065	5.957	.0938	.6143	6.837	-.0121	4.576	1.041
#2	.1689	-.0072	5.940	.0917	.6151	6.809	.0050	4.589	1.040
#3	.1692	-.0042	5.950	.0954	.6184	6.860	.0028	4.566	1.046
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2221.8	4729.7	46162.	5939.3					
Stddev	.8	8.8	157.	36.1					
%RSD	.03668	.18644	.34031	.60720					
#1	2222.7	4720.3	46109.	5979.3					
#2	2221.1	4730.8	46338.	5909.3					
#3	2221.7	4737.9	46038.	5929.4					

Sample Name: FA37168-8 Acquired: 10/14/2016 10:51:15 Type: Unk
Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0001	163.2	.0291	.7404	.0031	23.51	-.0012	.0213	.2493
Stddev	.0002	.6	.0006	.0027	.0002	.09	.0002	.0007	.0008
%RSD	193.2	.3753	2.014	.3698	7.310	.3998	17.15	3.467	.3030
#1	.0001	163.8	.0295	.7430	.0032	23.56	-.0010	.0221	.2495
#2	-.0003	163.1	.0284	.7406	.0028	23.57	-.0012	.0206	.2500
#3	-.0002	162.6	.0294	.7376	.0032	23.40	-.0014	.0213	.2485
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.292	168.8	16.17	12.34	1.191	.0116	1.846	1.161	15.94
Stddev	.006	.4	.05	.21	.001	.0005	.029	.0003	.03
%RSD	.4916	.2404	.2903	1.740	.0785	3.989	1.584	.2684	.2028
#1	1.298	168.9	16.15	12.37	1.191	.0117	1.878	1.164	15.90
#2	1.293	169.1	16.22	12.54	1.191	.0110	1.822	1.162	15.97
#3	1.286	168.3	16.13	12.11	1.192	.0119	1.837	1.157	15.94
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0530	-.0019	6.187	.0649	.3496	6.515	.0014	.4235	.3525
Stddev	.0059	.0039	.011	.0008	.0011	.011	.0042	.0018	.0013
%RSD	11.15	202.5	.1751	1.286	.3278	.1649	296.5	.4163	.3591
#1	.0572	-.0014	6.199	.0649	.3508	6.506	-.0024	.4247	.3510
#2	.0462	-.0060	6.177	.0657	.3492	6.527	.0060	.4243	.3529
#3	.0555	.0017	6.187	.0641	.3486	6.512	.0007	.4215	.3534
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2251.0	4767.9	46383.	5921.6					
Stddev	1.8	13.4	170.	12.1					
%RSD	.07875	.28192	.36557	.20385					
#1	2249.1	4752.5	46404.	5922.4					
#2	2251.4	4777.2	46205.	5909.2					
#3	2252.6	4774.0	46542.	5933.3					

7.2
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Sample Name: FA37168-11 Acquired: 10/14/2016 10:55:37 Type: Unk
Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0021	176.0	.0415	1.326	.0036	33.75	-.0008	.0250	.2668
Stddev	.0009	.5	.0039	.007	.0002	.14	.0003	.0002	.0005
%RSD	44.59	.2939	9.413	.5331	5.174	.4109	34.86	.8535	.1879
#1	.0029	176.3	.0448	1.333	.0036	33.85	-.0010	.0251	.2672
#2	.0011	176.3	.0372	1.324	.0037	33.80	-.0008	.0247	.2671
#3	.0023	175.4	.0423	1.319	.0034	33.59	-.0005	.0250	.2663
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.082	184.1	14.58	12.85	1.926	.0116	1.921	1.355	F 32.91
Stddev	.007	.5	.16	.09	.007	.0006	.042	.0007	.06
%RSD	.2183	.2843	1.128	.7240	.3875	4.829	2.205	4.823	.1772
#1	3.077	184.6	14.67	12.90	1.919	.0122	1.960	1.360	32.93
#2	3.089	184.3	14.68	12.74	1.934	.0115	1.876	1.357	32.95
#3	3.078	183.6	14.39	12.91	1.925	.0110	1.928	1.348	32.84
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1474	-.0099	6.362	.0829	.4579	6.646	-.0022	4.561	.7799
Stddev	.0058	.0026	.011	.0009	.0015	.013	.0050	.0023	.0014
%RSD	3.958	26.05	.1697	1.109	.3267	.1907	229.0	4.957	.1810
#1	.1452	-.0070	6.352	.0819	.4584	6.654	-.0038	4.559	.7797
#2	.1541	-.0119	6.360	.0831	.4591	6.653	.0034	4.584	.7815
#3	.1430	-.0110	6.374	.0837	.4562	6.632	-.0061	4.539	.7787
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2241.0	4771.8	46391.	5858.7					
Stddev	2.8	2.1	59.	28.3					
%RSD	.12646	.04345	.12662	.48335					
#1	2239.8	4770.3	46375.	5830.4					
#2	2238.9	4770.9	46342.	5858.7					
#3	2244.2	4774.2	46456.	5887.0					

Sample Name: MP30975-MB1 Acquired: 10/14/2016 10:59:59 Type: QC
Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0055	-.0020	.0001	.0000	.0235	-.0001	-.0002	.0009
Stddev	.0004	.0008	.0007	.0001	.000	.0013	.0000	.0001	.0001
%RSD	361.8	14.19	35.27	145.3	134.1	5.569	24.94	41.41	16.05
#1	-.0003	.0050	-.0014	.0002	.0000	.0222	-.0001	-.0002	.0007
#2	.0004	.0064	-.0019	.0000	.0000	.0248	-.0002	-.0002	.0009
#3	.0002	.0051	-.0028	.0001	-.0001	.0234	-.0001	-.0001	.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.0417	.0049	.0136	.0003	.0000	-.0020	.0004	-.0002
Stddev	.0001	.0008	.0482	.0128	.0000	.0001	.0021	.0001	.0001
%RSD	25.97	1.924	982.9	94.59	15.65	564.0	102.1	30.69	41.62
#1	.0007	.0422	.0467	.0284	.0002	.0000	-.0003	.0003	-.0002
#2	.0006	.0408	-.0477	.0065	.0003	.0001	-.0014	.0005	-.0004
#3	.0004	.0421	.0157	.0058	.0003	-.0001	-.0043	.0003</	

Sample Name: MP30975-MB1 Acquired: 10/14/2016 10:59:59 Type: QC
 Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2358.4	4735.4	46731.1	5853.5
Stddev	7.8	4.7	169.	12.3
%RSD	.33092	.09858	.36259	.21018
#1	2349.7	4730.1	46862.	5841.0
#2	2364.8	4739.1	46791.	5853.8
#3	2360.8	4736.8	46539.	5865.6

Sample Name: MP30975-B1 Acquired: 10/14/2016 11:04:32 Type: QC
 Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0461	28.14	2.085	2.060	.0545	25.95	.0537	.5317	.2147
Stddev	.0004	.06	.002	.003	.0001	.05	.0002	.0017	.0007
%RSD	.8059	.2211	.0887	.1533	.2376	.2039	.2993	.3180	.3427
#1	.0463	28.18	2.086	2.061	.0545	26.00	.0536	.5305	.2138
#2	.0456	28.07	2.085	2.063	.0547	25.90	.0536	.5310	.2152
#3	.0462	28.18	2.083	2.057	.0544	25.94	.0539	.5337	.2150

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.2624	27.76	25.38	25.32	.5235	.4120	25.54	.5269	.5018
Stddev	.0005	.02	.03	.09	.0022	.0007	.01	.0012	.0010
%RSD	.2085	.0800	.1215	.3483	.4250	.1793	.0560	.2324	.1911
#1	.2626	27.77	25.42	25.29	.5213	.4113	25.52	.5259	.5023
#2	.2618	27.73	25.37	25.26	.5258	.4120	25.53	.5266	.5023
#3	.2628	27.77	25.36	25.42	.5233	.4128	25.55	.5283	.5007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.5255	2.066	.0215	.4330	.3814	.4263	2.029	.4859	.5199
Stddev	.0008	.004	.0003	.0007	.0007	.0008	.007	.0008	.0017
%RSD	.1502	.1905	1.432	.1690	.1742	.1788	.3693	.1548	.3185
#1	.5246	2.062	.0216	.4322	.3814	.4259	2.036	.4851	.5186
#2	.5260	2.065	.0211	.4336	.3807	.4272	2.030	.4864	.5194
#3	.5258	2.070	.0217	.4332	.3820	.4259	2.021	.4863	.5217

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

7.2
7

Sample Name: MP30975-B1 Acquired: 10/14/2016 11:04:32 Type: QC
 Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2127.1	4599.2	44585.	5729.4
Stddev	2.5	2.9	58.	24.4
%RSD	.11629	.06397	.12938	.42653
#1	2124.3	4598.7	44551.	5701.4
#2	2128.0	4602.3	44552.	5745.9
#3	2129.0	4596.5	44651.	5741.1

Sample Name: FA37211-27 Acquired: 10/14/2016 11:08:45 Type: Unk
 Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3710)	Al3961 (Y_2243)	As1890 (Y_3710)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-0.0008	249.0	.0626	1.224	.0081	146.0	-0.0028	1.629	.8160
Stddev	.0008	.9	.0032	.004	.0001	.3	.0003	.0007	.0061
%RSD	94.98	.3683	5.093	.3645	1.194	.2158	9.195	.4406	.7428
#1	.0000	248.6	.0627	1.219	.0080	146.2	-0.0030	1.623	.8094
#2	-0.0008	248.4	.0593	1.227	.0082	145.6	-0.0025	1.627	.8213
#3	-0.0016	250.1	.0657	1.225	.0080	146.1	-0.0027	1.637	.8172

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.7251	396.0	68.55	182.7	6.825	.0100	2.994	3.991	.7822
Stddev	.0022	.7	.39	.9	.001	.0003	.046	.0007	.0054
%RSD	.3069	.1877	.5652	.5141	.0177	3.411	1.535	.1693	.6844
#1	.7234	396.6	68.28	183.1	6.824	.0098	2.998	.3997	.7851
#2	.7277	395.2	68.38	181.6	6.826	.0104	2.946	.3993	.7760
#3	.7244	396.3	69.00	183.3	6.826	.0098	3.038	.3984	.7854

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.0084	-0.0085	1.769	.0215	.2656	F 21.75	.0029	.6662	1.003
Stddev	.0028	.0009	.002	.0005	.0017	.09	.0053	.0015	.001
%RSD	33.28	10.55	.1357	2.174	.6369	4.290	181.3	2.271	.1315
#1	.0116	-0.0076	1.766	.0211	.2647	21.80	.0090	.6646	1.002
#2	.0066	-0.0085	1.771	.0215	.2646	21.80	-0.0003	.6676	1.004
#3	.0070	-0.0093	1.770	.0220	.2676	21.64	.0000	.6665	1.004

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2138.1	4910.4	48052.	6223.7
Stddev	1.2	10.0	97.	15.2
%RSD	.05614	.20397	.20279	.24458
#1	2138.7	4918.4	48163.	6206.2
#2	2138.9	4899.2	47979.	6233.3
#3	2136.7	4913.7	48014.	6231.7

Sample Name: MP30975-D1 Acquired: 10/14/2016 11:13:12 Type: Unk
 Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0009	233.9	.0549	1.145	.0077	138.3	-.0023	1.527	.7781
Stddev	.0008	1.0	.0043	.009	.0002	.2	.0002	.0007	.0022
%RSD	92.24	.4066	7.908	.7501	2.027	.1735	9.314	4.583	.2801
#1	.0019	234.5	.0513	1.153	.0077	138.5	-.0025	1.533	.7757
#2	.0006	232.8	.0597	1.136	.0076	138.2	-.0021	1.528	.7799
#3	.0003	234.3	.0537	1.147	.0079	138.1	-.0023	1.519	.7787
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6060	370.5	63.96	169.5	6.430	.0087	2.873	3.734	.7188
Stddev	.0031	1.0	.27	.5	.005	.0003	.040	.0014	.0008
%RSD	.5111	.2781	.4270	.2994	.0778	3.877	1.403	.3803	.1132
#1	.6025	371.3	64.02	169.5	6.430	.0084	2.887	3.739	.7196
#2	.6085	369.3	63.66	169.9	6.425	.0090	2.828	3.717	.7188
#3	.6069	370.9	64.20	168.9	6.435	.0089	2.905	3.744	.7180
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0033	-.0069	1.889	.0200	.2570	21.21	.0124	6.321	.9571
Stddev	.0083	.0153	.003	.0024	.0026	.17	.0021	.0038	.0010
%RSD	249.2	221.4	.1507	11.88	1.013	.7937	17.18	5.972	1.081
#1	.0001	-.0220	1.887	.0173	.2594	21.03	.0101	6.278	.9566
#2	.0127	.0086	1.888	.0208	.2542	21.25	.0127	6.350	.9563
#3	-.0028	-.0073	1.893	.0218	.2574	21.36	.0143	6.335	.9582
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2148.8	4902.8	4794.8	6233.1					
Stddev	3.4	2.6	131.	15.4					
%RSD	.15998	.05219	.27314	.24631					
#1	2145.0	4904.9	48084.	6246.7					
#2	2149.6	4899.9	47937.	6216.4					
#3	2151.7	4903.5	47822.	6236.3					

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Sample Name: MP30975-SD1 Acquired: 10/14/2016 11:17:39 Type: Unk
 Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0018	267.9	.0624	1.299	.0078	159.6	-.0048	1.800	1.043
Stddev	.0084	1.2	.0082	.002	.0009	.9	.0010	.0008	.002
%RSD	464.0	.4487	13.09	.1708	11.45	.5952	20.93	.4615	.1416
#1	-.0079	269.3	.0637	1.301	.0076	160.6	-.0043	1.791	1.043
#2	.0075	266.9	.0698	1.297	.0088	159.3	-.0060	1.806	1.041
#3	.0058	267.7	.0536	1.300	.0070	158.8	-.0042	1.805	1.043
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.8137	436.1	72.60	194.6	7.586	.0120	3.043	5.057	.7839
Stddev	.0076	2.6	.40	1.8	.033	.0035	.272	.0042	.0139
%RSD	.9339	.6050	.5575	.9449	.4403	29.02	8.921	.8322	1.777
#1	.8051	438.9	72.16	196.6	7.615	.0115	3.355	5.105	.7739
#2	.8164	435.7	72.95	193.0	7.594	.0158	2.861	5.026	.7998
#3	.8195	433.7	72.69	194.1	7.550	.0089	2.914	5.039	.7779
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0081	-.0069	3.770	.0157	.2923	24.65	.0267	7.249	1.163
Stddev	.0111	.0573	.027	.0039	.0017	.02	.0061	.0010	.001
%RSD	137.9	832.4	.7208	24.72	5.849	.0858	22.94	1.372	.0543
#1	.0028	.0557	3.798	.0171	.2934	24.63	.0198	7.243	1.164
#2	-.0075	-.0194	3.771	.0186	.2904	24.64	.0288	7.244	1.162
#3	-.0194	-.0569	3.743	.0113	.2932	24.67	.0315	7.261	1.163
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2302.7	4839.8	4699.6	6028.8					
Stddev	5.8	8.2	95.	66.7					
%RSD	.25210	.16871	.20153	1.1059					
#1	2300.4	4849.1	46914.	5965.1					
#2	2309.3	4836.5	47100.	6023.2					
#3	2298.4	4833.8	46976.	6098.1					

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7.2
7

Sample Name: MP30975-PS1 Acquired: 10/14/2016 11:22:02 Type: Unk
 Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0446	248.6	.1655	1.423	.0581	149.2	.0481	2.081	.9891
Stddev	.0014	1.5	.0043	.004	.0005	1.1	.0006	.0008	.0003
%RSD	3.166	.6063	2.593	.2733	.9025	.7247	1.262	.3971	.0262
#1	.0447	247.5	.1702	1.421	.0577	148.2	.0487	2.077	.9893
#2	.0431	250.3	.1645	1.428	.0587	150.3	.0475	2.076	.9891
#3	.0460	248.1	.1618	1.420	.0580	149.1	.0483	2.091	.9888
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.8462	392.7	76.00	184.0	6.803	.1154	12.58	5.474	.8128
Stddev	.0042	2.3	.48	2.3	.013	.0006	.07	.0005	.0048
%RSD	.4987	.5974	.6298	1.234	.1873	.5147	.5321	.0939	.5856
#1	.8418	391.1	75.66	182.4	6.797	.1148	12.52	5.478	.8139
#2	.8502	395.4	76.55	186.6	6.818	.1155	12.65	5.468	.8076
#3	.8465	391.6	75.80	183.1	6.795	.1159	12.56	5.476	.8170
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1103	.0976	1.878	.0692	.3150	22.12	.1042	7.051	1.233
Stddev	.0014	.0111	.009	.0012	.0016	.12	.0068	.0013	.001
%RSD	1.273	11.36	.4673	1.770	.5065	.5475	6.536	1.817	.0656
#1	.1106	.1082	1.887	.0706	.3140	22.07	.1080	7.040	1.234
#2	.1115	.0861	1.870	.0683	.3169	22.26	.0963	7.065	1.234
#3	.1087	.0986	1.878	.0688	.3143	22.04	.1082	7.049	1.233
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2132.6	4913.0	4761.2	6161.3					
Stddev	5.3	9.9	202.	50.3					
%RSD	.25025	.20064	.42485	.81657					
#1	2131.7	4903.5	47679.	6219.0					
#2	2127.8	4912.4	47384.	6127.0					
#3	2138.3	4923.2	47772.	6137.8					

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Sample Name: MP30975-S1 Acquired: 10/14/2016 11:26:29 Type: Unk
 Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0394	233.0	1.808	2.729	.0525	145.3	.0430	5.802	1.052
Stddev	.0006	.6	.005	.012	.0004	.5	.0003	.0012	.003
%RSD	1.541	.2760	.3064	.4425	.8396	.3151	.7971	2.009	.2424
#1	.0401	233.4	1.812	2.728	.0526	145.3	.0426	5.797	1.053
#2	.0390	232.3	1.810	2.718	.0521	144.8	.0432	5.794	1.049
#3	.0391	233.4	1.801	2.742	.0529	145.7	.0432	5.815	1.054
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.7668	351.1	77.24	170.9	6.107	.4119	24.20	8.617	1.087
Stddev	.0014	.5	.44	.6	.024	.0018	.17	.0025	.006
%RSD	.1827	.1453	.5657	.3590	.3965	.4385	.7043	.2921	.5880
#1	.7652	351.6	77.40	171.5	6.134	.4099	24.28	8.615	1.086
#2	.7675	350.6	76.75	170.8	6.099	.4134	24.00	8.593	1.081
#3	.7678	351.2	77.57	170.3	6.088				

Sample Name: CCV Acquired: 10/14/2016 11:30:55 Type: QC
 Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.467	38.89	2.061	1.916	1.993	38.43	2.064	2.025	1.993
Stddev	.0007	.18	.003	.006	.007	.11	.004	.005	.010
%RSD	.2909	.4562	.1458	.3363	.3522	.2754	.2113	.2247	.4808

#1	.2475	39.03	2.064	1.924	1.997	38.53	2.065	2.028	2.004
#2	.2462	38.69	2.058	1.911	1.985	38.32	2.059	2.020	1.987
#3	.2463	38.94	2.060	1.914	1.996	38.42	2.068	2.028	1.988

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.931	39.20	38.23	37.92	1.959	2.019	38.27	1.986	1.993
Stddev	.009	.16	.12	.06	.003	.004	.13	.005	.003
%RSD	.4673	.4119	.3062	.1496	.1703	.2043	.3340	.2771	.1261

#1	1.939	39.30	38.37	37.98	1.962	2.020	38.40	1.988	1.991
#2	1.933	39.01	38.15	37.86	1.957	2.014	38.14	1.979	1.992
#3	1.921	39.29	38.19	37.93	1.956	2.022	38.26	1.989	1.996

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.060	2.038	2.385	1.995	1.861	2.042	2.026	1.924	1.992
Stddev	.005	.002	.006	.006	.007	.011	.008	.005	.005
%RSD	.2682	.1194	.2344	.3043	.3894	.5524	.3891	.2732	.2342

#1	2.061	2.036	2.384	1.996	1.868	2.053	2.020	1.930	1.993
#2	2.053	2.037	2.381	1.989	1.854	2.042	2.023	1.921	1.986
#3	2.064	2.041	2.392	2.001	1.860	2.030	2.035	1.921	1.995

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 10/14/2016 11:30:55 Type: QC
 Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2042.8	4557.4	44217.	5895.0
Stddev	1.8	2.4	153.	2.8
%RSD	.08843	.05190	.34650	.04807

#1	2044.5	4555.3	44085.	5897.5
#2	2040.9	4559.9	44181.	5895.7
#3	2042.9	4557.0	44385.	5891.9

Sample Name: CCB Acquired: 10/14/2016 11:35:06 Type: QC
 Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0041	-0.0008	.0002	.0001	-0.0067	.0001	.0001	.0000
Stddev	.0002	.0057	.0007	.0001	.0000	.0020	.0000	.0000	.0001
%RSD	48.72	139.3	86.22	62.26	37.45	30.64	42.38	59.23	1049.

#1	.0005	.0107	-0.0005	.0001	.0001	-0.048	.0001	.0000	-0.001
#2	.0004	.0012	-0.0003	.0001	.0001	-0.088	.0001	.0001	-0.001
#3	.0002	.0004	-0.0016	.0003	.0001	-0.064	.0001	.0001	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.0018	-0.0088	.0225	-0.0001	F .0011	-0.0075	.0001	-0.0005
Stddev	.0002	.0017	.0047	.0062	.0000	.0003	.0088	.0002	.0004
%RSD	30.40	95.77	53.07	27.39	5.216	28.20	116.2	190.7	81.02

#1	.0004	.0014	-0.0041	.0247	-0.0001	.0014	-0.162	.0000	-0.001
#2	.0008	.0003	-0.0089	.0155	-0.0001	.0010	.0013	.0004	-0.0005
#3	.0006	.0037	-0.0134	.0272	-0.0001	.0008	-0.077	.0000	-0.0010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	-0.0010	.0021	.0000	.0000	.0002	.0011	-0.0001	-0.0001
Stddev	.0008	.0004	.0007	.000	.0000	.0001	.0004	.0001	.0001
%RSD	150.0	40.59	34.91	321.1	105.8	38.37	39.77	126.0	70.33

#1	-0.0004	-0.0014	.0029	-0.0001	.0000	.0002	.0006	-0.0001	.0000
#2	-0.0013	-0.0006	.0016	-0.0002	.0001	.0001	.0013	.0000	-0.0001
#3	.0002	-0.0011	.0017	.0001	.0001	.0001	.0014	-0.0002	-0.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 10/14/2016 11:35:06 Type: QC
 Method: 60102007_042011(v317) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2384.1	4812.8	46795.	5914.9
Stddev	5.4	10.7	107.	32.7
%RSD	.22543	.22319	.22933	.55270

#1	2385.9	4819.0	46682.	5882.3
#2	2388.3	4819.1	46808.	5947.7
#3	2378.0	4800.4	46895.	5914.6

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000009	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000082	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000016	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000103	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000005	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000001	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000101	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	-0.000001	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000003	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000045	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000028	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	-0.000002	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	0.000001	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000031	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000094	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	-0.000004	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	-0.000005	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	10/14/2016 9:36:30	10/14/2016 9:09:22	Linear	1/Conc	-0.000262	0.593663	0.000000	1.000000
Al 396.152 { 85}	10/14/2016 9:36:30	10/14/2016 9:09:22	Linear	1/Conc	0.001686	0.181097	0.000000	1.000000
As 189.042 {478}	10/14/2016 9:36:30	10/14/2016 9:09:22	Linear	1/Conc	-0.000719	0.175120	0.000000	1.000000
Ba 455.403 { 74}	10/14/2016 9:36:30	10/14/2016 9:09:22	Linear	1/Conc	0.000489	8.492545	0.000000	1.000000
Be 313.042 {108}	10/14/2016 9:36:30	10/14/2016 9:09:22	Linear	1/Conc	0.000372	9.727691	0.000000	1.000000
Ca 317.933 {106}	10/14/2016 9:36:30	10/14/2016 9:09:22	Linear	1/Conc	0.008903	0.235188	0.000000	1.000000
Cd 226.502 {449}	10/14/2016 9:36:30	10/14/2016 9:09:22	Linear	1/Conc	-0.001313	4.319301	0.000000	1.000000
Co 228.616 {447}	10/14/2016 9:36:30	10/14/2016 9:09:22	Linear	1/Conc	-0.000640	2.507439	0.000000	1.000000
Cr 267.716 {126}	10/14/2016 9:36:30	10/14/2016 9:09:22	Linear	1/Conc	-0.000021	0.424102	0.000000	1.000000
Cu 324.754 {104}	10/14/2016 9:36:30	10/14/2016 9:09:22	Linear	1/Conc	0.005717	0.808197	0.000000	1.000000
Fe 259.940 {130}	10/14/2016 9:36:30	10/14/2016 9:09:22	Linear	1/Conc	0.001520	0.155479	0.000000	1.000000
In 230.606 {446}*	10/14/2016 9:36:30	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	10/14/2016 9:36:30	10/14/2016 9:09:22	Linear	1/Conc	-0.002491	0.076141	0.000000	1.000000
Mg 279.079 {121}	10/14/2016 9:36:30	10/14/2016 9:09:22	Linear	1/Conc	-0.000426	0.021680	0.000000	1.000000
Mn 257.610 {131}	10/14/2016 9:36:30	10/14/2016 9:09:22	Linear	1/Conc	0.000864	2.045795	0.000000	1.000000
Mo 202.030 {467}	10/14/2016 9:36:30	10/14/2016 9:09:22	Linear	1/Conc	0.000804	0.985297	0.000000	1.000000
Na 589.592 { 57}	10/14/2016 9:36:30	10/14/2016 9:09:22	Linear	1/Conc	0.004357	0.288939	0.000000	1.000000
Ni 231.604 {445}	10/14/2016 9:36:30	10/14/2016 9:09:22	Linear	1/Conc	0.000805	1.312361	0.000000	1.000000
Pb 220.353 {453}	10/14/2016 9:36:30	10/14/2016 9:09:22	Linear	1/Conc	-0.000069	0.840935	0.000000	1.000000
Sb 206.833 {463}	10/14/2016 9:36:30	10/14/2016 9:09:22	Linear	1/Conc	0.000552	0.239994	0.000000	1.000000
Se 196.090 {472}	10/14/2016 9:36:30	10/14/2016 9:09:22	Linear	1/Conc	-0.000009	0.129529	0.000000	1.000000
Si 212.412 {459}	10/14/2016 9:36:30	10/14/2016 9:09:22	Linear	1/Conc	0.004668	0.412581	0.000000	1.000000
Sn 189.989 {477}	10/14/2016 9:36:30	10/14/2016 9:09:22	Linear	1/Conc	0.000488	0.389255	0.000000	1.000000
Sr 407.771 { 83}	10/14/2016 9:36:30	10/14/2016 9:09:22	Linear	1/Conc	0.000518	14.185382	0.000000	1.000000
Ti 334.941 {101}	10/14/2016 9:36:30	10/14/2016 9:09:22	Linear	1/Conc	0.001155	1.599132	0.000000	1.000000
Tl 190.856 {477}	10/14/2016 9:36:30	10/14/2016 9:09:22	Linear	1/Conc	-0.001687	0.297725	0.000000	1.000000
V 292.402 {115}	10/14/2016 9:36:30	10/14/2016 9:09:22	Linear	1/Conc	-0.000397	0.619123	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	10/14/2016 9:36:30	10/14/2016 9:09:22	Linear	1/Conc	0.000396	1.905706	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999978	0.000038	0.000284	0.000948	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999901	0.004117	0.006723	0.022410	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999835	0.000255	0.000804	0.002679	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999997	0.001804	0.000175	0.000583	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999985	0.004343	0.000055	0.000183	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999796	0.007654	0.002655	0.008851	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999995	0.001131	0.000049	0.000165	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999985	0.001093	0.000095	0.000316	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999949	0.000346	0.000238	0.000792	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999985	0.000351	0.000184	0.000612	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999708	0.006049	0.002028	0.006759	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999878	0.001912	0.026533	0.088445	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999858	0.000589	0.018436	0.061452	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999716	0.003929	0.000043	0.000143	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999994	0.000271	0.000138	0.000460	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999881	0.007174	0.007014	0.023381	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999929	0.001256	0.000186	0.000618	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999848	0.001183	0.000625	0.002084	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999873	0.000307	0.000906	0.003021	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999935	0.000119	0.001575	0.005251	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.995102	0.003301	0.000376	0.001254	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999933	0.000363	0.000309	0.001031	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999978	0.007634	0.000068	0.000228	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999990	0.000588	0.000092	0.000307	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999964	0.000205	0.001051	0.003504	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999963	0.000425	0.000214	0.000713	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999966	0.001258	0.000083	0.000275	OK	1.000000	0.000000	1	0

Sample Name: Blank Acquired: 10/17/2016 7:46:58 Type: Cal
Method: 60102007_042011(v319) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.001	0.014	-0.008	0.001	0.003	0.076	-0.014	-0.006	-0.001
Stddev	.0001	.0009	.0002	.0006	.0006	.0012	.0002	.0000	.0001
%RSD	99.18	64.80	19.85	441.4	204.5	16.19	15.76	4.695	133.4
#1	.0000	.0020	-.0009	.0006	.0001	.0083	-.0011	-.0006	-.0002
#2	-.0000	.0019	-.0006	.0004	-.0002	.0083	-.0014	-.0006	-.0001
#3	-.0001	.0004	-.0008	-.0006	.0010	.0062	-.0015	-.0006	.0000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.0064	0.020	-0.0032	0.004	0.005	0.031	0.010	-0.0006	-0.0002
Stddev	.0001	.0006	.0032	.0004	.0001	.0003	.0014	.0002	.0003
%RSD	1.611	30.22	100.1	113.9	17.95	10.27	135.1	35.02	178.3
#1	.0065	.0027	-.0029	.0001	.0005	.0034	.0025	-.0007	.0002
#2	.0064	.0020	-.0066	.0002	.0004	.0030	.0007	-.0007	-.0005
#3	.0063	.0015	-.0002	.0009	.0006	.0028	-.0002	-.0003	-.0003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.0007	-0.0003	0.0045	0.005	0.007	0.015	-0.012	-0.006	0.015
Stddev	.0003	.0004	.0002	.0001	.0020	.0000	.0002	.0002	.0002
%RSD	39.21	132.2	3.726	15.54	292.0	3.294	16.53	31.24	10.51
#1	.0010	-.0002	.0047	.0005	-.0006	.0015	-.0014	-.0008	.0013
#2	.0007	-.0007	.0045	.0006	-.0003	.0015	-.0012	-.0008	.0016
#3	.0004	.0000	.0044	.0005	.0030	.0015	-.0010	-.0004	.0014
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2147.6	4591.9	4149.1	5638.9					
Stddev	13.9	25.8	22.3	38.1					
%RSD	.64497	.56104	.53663	.67579					
#1	2132.3	4565.4	4160.5	5596.7					
#2	2159.3	4616.9	4123.4	5670.7					
#3	2151.2	4593.4	4163.3	5649.4					

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Sample Name: LowStd Acquired: 10/17/2016 7:57:33 Type: Cal
Method: 60102007_042011(v319) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.0369	1.791	0.900	4.249	5.165	2.493	2.435	1.361	2.483
Stddev	.0004	.004	.0005	.008	.010	.004	.012	.006	.0004
%RSD	1.157	.2080	.5571	.1879	.1955	.1721	.5028	.4512	.1433
#1	.0368	1.795	.0904	4.246	5.156	2.496	2.436	1.363	2.479
#2	.0365	1.790	.0894	4.258	5.163	2.488	2.422	1.354	2.486
#3	.0373	1.788	.0901	4.242	5.175	2.494	2.446	1.365	2.484
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.02	1.497	7.416	2.291	1.257	5.748	3.039	8.074	4.418
Stddev	.0010	.004	.0017	.0016	.002	.0030	.004	.0051	.0007
%RSD	.2366	.2866	.2242	.6849	.1847	.5143	.1332	.6371	.1606
#1	4.190	1.496	7.396	2.300	1.259	5.754	3.037	8.090	4.416
#2	4.205	1.494	7.425	2.273	1.255	5.716	3.044	8.017	4.412
#3	4.209	1.502	7.426	2.300	1.256	5.775	3.037	8.116	4.426
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.200	0.657	2.081	2.157	7.512	9.128	1.531	3.563	1.093
Stddev	.0009	.0004	.0012	.0008	.020	.0017	.0012	.0008	.004
%RSD	.7206	.5973	.6007	.3786	.2693	.1890	.7995	.2174	.4129
#1	1.205	.658	2.089	2.155	7.491	9.148	1.534	3.567	1.090
#2	1.190	.653	2.066	2.149	7.531	9.118	1.517	3.554	1.091
#3	1.204	.661	2.087	2.165	7.514	9.119	1.541	3.568	1.098
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2068.1	4533.1	4100.0	5600.3					
Stddev	1.7	19.5	38.1	16.8					
%RSD	.08341	.43060	.09379	.30077					
#1	2067.5	4525.6	4104.4	5605.7					
#2	2070.1	4555.3	4097.3	5613.8					
#3	2066.8	4518.5	4098.4	5581.5					

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7.3
7

Sample Name: MidStd Acquired: 10/17/2016 8:11:48 Type: Cal
Method: 60102007_042011(v319) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.507	7.473	3.786	16.92	20.59	10.11	9.841	5.481	9.980
Stddev	.0006	.024	.0008	.06	.03	.03	.026	.012	.0011
%RSD	.4029	.3228	.2029	.3257	.1552	.2892	.2676	.2212	.1104
#1	.1514	7.475	3.780	16.93	20.62	10.14	9.830	5.477	9.858
#2	.1503	7.496	3.785	16.97	20.61	10.12	9.822	5.471	9.850
#3	.1505	7.448	3.795	16.87	20.56	10.08	9.871	5.494	9.872
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.673	6.603	3.155	9.424	4.998	2.320	12.85	3.248	1.850
Stddev	.003	.017	.005	.0022	.008	.006	.04	.007	.003
%RSD	.1706	.2623	.1687	.2338	.1587	.2510	.3262	.2270	.1536
#1	1.672	6.615	3.152	9.432	5.006	2.314	12.85	3.247	1.848
#2	1.676	6.610	3.161	9.441	4.991	2.319	12.89	3.241	1.849
#3	1.671	6.583	3.152	9.399	4.996	2.326	12.81	3.256	1.853
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.969	2.732	1.003	8.453	29.70	3.658	6.402	1.422	4.331
Stddev	.0004	.0006	.002	.0026	.06	.002	.0016	.001	.016
%RSD	.0769	.2363	.2122	.3022	.1938	.0555	.2524	.1020	.3689
#1	.4969	.2727	1.004	8.429	29.69	3.657	6.391	1.423	4.329
#2	.4973	.2729	1.001	8.451	29.76	3.655	6.394	1.420	4.316
#3	.4965	.2739	1.005	8.480	29.65	3.660	6.421	1.422	4.348
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	1912.8	4366.7	3997.8	5635.3					
Stddev	5.2	6.7	44.3	32.2					
%RSD	.26956	.15289	.11044	.57110					
#1	1916.4	4370.9	4001.3	5610.6					
#2	1915.1	4370.2	3992.8	5623.7					
#3	1906.9	4359.0	3999.2	5671.7					

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Sample Name: HighStd Acquired: 10/17/2016 8:15:19 Type: Cal
Method: 60102007_042011(v319) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.963	14.50	7.572	33.54	40.32	19.37	19.19	10.75	1.910
Stddev	.0024	.04	.0017	.10	.07	.01	.04	.02	.014
%RSD	.8076	.2812	.2228	.2832	.1724	.0649	.2179	.1791	.7432
#1	2.953	14.52	7.560	33.54	40.28	19.37	19.16	10.73	1.910
#2	2.945	14.45	7.565	33.44	40.28	19.36	19.18	10.75	1.895
#3	2.990	14.53	7.591	33.63	40.40	19.39	19.24	10.77	1.923
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.299	12.97	6.145	1.829	9.495	4.572	24.93	6.353	3.725
Stddev	.020	.02	.012	.004	.029	.010	.05	.013	.007
%RSD	.6086	.1698	.1905	.2115	.3100	.2218	.1902	.2082	.1997
#1	3.317	12.98	6.134	1.831	9.528	4.561	24.90	6.341	3.733
#2	3.277	12.95	6.144	1.824	9.483	4.573	24.89	6.349	3.719
#3	3.301	12.99	6.157	1.831	9.474	4.582	24.98	6.367	3.722
Elem	Sb2068	Se1960	Si21						

Sample Name: HSTD Acquired: 10/17/2016 8:19:15 Type: QC
 Method: 60102007_042011(v319) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.959	78.34	3.958	3.961	3.924	78.07	3.921	3.934	3.902
Stddev	.0014	.52	.005	.024	.019	.47	.010	.008	.020
%RSD	.2888	.6609	.1197	.5931	.4905	.6001	.2491	.2035	.5107

#1	.4974	77.94	3.958	3.942	3.918	77.70	3.930	3.940	3.923
#2	.4946	78.93	3.962	3.987	3.945	78.60	3.921	3.938	3.883
#3	.4957	78.15	3.953	3.955	3.908	77.91	3.911	3.925	3.901

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.955	79.15	78.97	78.14	3.901	3.946	78.76	3.917	3.986
Stddev	.029	.46	.42	.47	.025	.005	.42	.009	.024
%RSD	.7235	.5823	.5257	.6038	.6412	.1366	.5370	.2357	.6002

#1	3.957	78.83	78.78	77.78	3.924	3.949	78.54	3.923	4.012
#2	3.925	79.68	79.45	78.67	3.875	3.949	79.25	3.921	3.979
#3	3.982	78.94	78.69	77.96	3.905	3.940	78.49	3.906	3.966

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.986	3.972	3.664	3.932	4.030	3.907	3.980	3.942	3.918
Stddev	.011	.006	.005	.010	.048	.005	.014	.011	.018
%RSD	.2700	.1423	.1262	.2625	1.186	.1376	.3446	.2710	.4619

#1	3.976	3.972	3.661	3.942	4.029	3.912	3.995	3.949	3.938
#2	3.997	3.978	3.669	3.934	4.079	3.909	3.976	3.929	3.910
#3	3.984	3.966	3.662	3.921	3.983	3.902	3.969	3.946	3.904

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 10/17/2016 8:19:15 Type: QC
 Method: 60102007_042011(v319) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1796.4	4251.8	39385.	5637.8
Stddev	8.0	10.8	117.	35.1
%RSD	.44348	.25359	.29681	.62298

#1	1789.7	4252.2	39271.	5665.4
#2	1794.3	4240.9	39505.	5598.2
#3	1805.2	4262.4	39381.	5649.6

Sample Name: ICV Acquired: 10/17/2016 8:26:09 Type: QC
 Method: 60102007_042011(v319) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.497	40.57	1.980	2.006	2.020	40.83	1.998	1.991	2.009
Stddev	.0007	.41	.010	.021	.020	.43	.007	.009	.013
%RSD	.2736	.9996	.4853	1.041	.9794	1.057	.3738	.4297	.6420

#1	.2505	40.92	1.976	2.026	2.041	41.26	2.001	1.993	1.997
#2	.2494	40.65	1.972	2.009	2.018	40.85	1.990	1.982	2.023
#3	.2493	40.13	1.991	1.984	2.001	40.40	2.004	1.999	2.006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.000	40.59	40.68	40.74	2.036	2.002	40.70	1.997	1.965
Stddev	.011	.40	.36	.47	.012	.007	.38	.010	.004
%RSD	.5517	.9773	.8888	1.164	.5630	.3412	.9257	.4836	.2171

#1	2.011	41.01	41.09	41.25	2.026	2.004	41.06	1.998	1.966
#2	1.989	40.52	40.55	40.64	2.049	1.995	40.73	1.987	1.960
#3	1.998	40.23	40.40	40.32	2.034	2.008	40.31	2.006	1.968

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.974	1.983	1.834	1.979	2.041	2.056	1.982	2.001	1.984
Stddev	.012	.009	.008	.005	.021	.000	.008	.007	.007
%RSD	.5943	.4335	.4496	.2686	1.024	.0168	.4186	.3455	.3760

#1	1.977	1.984	1.834	1.982	2.060	2.056	1.988	1.994	1.989
#2	1.961	1.973	1.826	1.973	2.045	2.056	1.972	2.008	1.976
#3	1.983	1.991	1.843	1.983	2.018	2.055	1.985	2.000	1.988

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 10/17/2016 8:26:09 Type: QC
 Method: 60102007_042011(v319) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1931.3	4393.7	40140.	5578.1
Stddev	8.2	23.1	187.	55.4
%RSD	.42513	.52503	.46461	.99361

#1	1926.1	4387.8	40219.	5518.5
#2	1940.8	4419.2	39927.	5587.7
#3	1927.0	4374.2	40275.	5628.1

Sample Name: ICB Acquired: 10/17/2016 8:34:26 Type: QC
 Method: 60102007_042011(v319) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0081	.0006	.0001	.0000	-0.0012	.0000	.0000	.0001
Stddev	.0002	.0057	.0008	.0003	.000	.0024	.0000	.000	.0001
%RSD	45.99	69.88	138.8	436.2	257.2	194.1	57.60	200.6	119.0

#1	.0005	.0089	.0008	.0002	.0000	-0.0027	.0000	.0000	.0000
#2	.0005	.0133	.0013	.0002	.0000	.0015	.0000	.0000	.0001
#3	.0002	.0021	-.0003	-.0002	-.0001	-.0025	.0001	-.0001	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0030	.0160	-0.0086	.0000	-0.0004	.0041	.0001	.0000
Stddev	.0001	.0036	.0196	.0224	.000	.0001	.0078	.0001	.0002
%RSD	103.3	121.5	122.6	259.0	586.9	20.64	191.2	155.0	470.8

#1	.0002	.0012	-.0061	.0088	-.0001	-.0004	.0131	.0002	-.0002
#2	.0002	-.0049	.0311	-.0009	.0000	-.0004	-.0007	.0000	.0002
#3	.0000	-.0052	.0229	-.0339	.0000	-.0005	-.0002	.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	.0001	.0014	.0002	-0.0001	-0.0001	-0.0008	.0001	.0000
Stddev	.0006	.0010	.0002	.0003	.0000	.0001	.0008	.0002	.0002
%RSD	477.1	821.3	15.60	141.4	33.71	70.43	105.1	187.2	1561.

#1	-.0008	-.0003	.0015	.0002	-.0001	-.0002	-.0014	.0000	-.0001
#2	.0002	.0013	.0015	.0006	-.0001	.0000	.0001	.0000	-.0001
#3	.0002	-.0006	.0011	-.0001	-.0001	-.0001	-.0010	.0003	.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 10/17/2016 8:34:26 Type: QC
 Method: 60102007_042011(v319) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2163.1	4571.3	4195.0	5732.8
Stddev	3.8	7.9	155.	32.2
%RSD	.17491	.17333	.36988	.56176

#1	2162.8	4567.8	41869.	5730.3
#2	2159.4	4565.7	41852.	5701.9
#3	2167.0	4580.3	42129.	5766.2

Sample Name: CRIA Acquired: 10/17/2016 8:44:25 Type: QC
 Method: 60102007_042011(v319) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0086	.2275	.0103	.2126	.0053	1.118	.0055	.0541	.0108
Stddev	.0001	.0070	.0007	.0010	.0001	.010	.0000	.0001	.0002
%RSD	.7008	3.088	7.159	4.553	1.563	.8883	.3480	.0977	1.713

#1	.0086	.2345	.0104	.2122	.0053	1.110	.0055	.0542	.0109
#2	.0086	.2205	.0110	.2120	.0053	1.115	.0054	.0541	.0109
#3	.0085	.2276	.0095	.2137	.0054	1.129	.0055	.0541	.0106

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0274	.3269	10.63	5.461	.0168	.0497	10.79	.0437	.0052
Stddev	.0003	.0025	.02	.042	.0000	.0002	.02	.0000	.0001
%RSD	1.225	.7507	.2185	.7699	.0187	4.576	.1821	.0936	1.737

#1	.0271	.3276	10.61	5.415	.0168	.0500	10.81	.0437	.0052
#2	.0277	.3290	10.64	5.471	.0168	.0495	10.77	.0437	.0053
#3	.0276	.3242	10.65	5.498	.0168	.0497	10.80	.0437	.0051

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0036	.0114	.0914	.0534	.0101	.0105	.0096	.0503	.0223
Stddev	.0002	.0008	.0004	.0003	.0001	.0001	.0006	.0005	.0001
%RSD	5.105	7.439	.4282	.5904	.5857	1.121	5.719	1.085	.6211

#1	.0034	.0111	.0913	.0534	.0102	.0104	.0100	.0502	.0225
#2	.0036	.0123	.0919	.0530	.0101	.0106	.0099	.0509	.0222
#3	.0038	.0107	.0911	.0537	.0101	.0105	.0090	.0498	.0223

Check ? Chk Fail Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range
 -0.0050
 -20.00%

Sample Name: CRIA Acquired: 10/17/2016 8:44:25 Type: QC
 Method: 60102007_042011(v319) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2119.6	4543.5	41184.	5602.6
Stddev	3.4	1.3	67.	28.0
%RSD	.16012	.02836	.16378	.49957

#1	2123.1	4544.4	41176.	5622.5
#2	2116.3	4542.0	41120.	5614.7
#3	2119.4	4544.1	41254.	5570.6

Sample Name: ICSEA Acquired: 10/17/2016 8:51:18 Type: QC
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.008	513.5	.0017	.0002	-0.001	491.3	-0.001	.0004	-0.002
Stddev	.0002	2.0	.0007	.0003	.0001	2.3	.0001	.0002	.0001
%RSD	26.46	.3831	42.33	135.3	48.07	.4584	157.8	39.95	62.29

#1 -0.006 514.3 .0024 -0.001 -0.001 489.4 .0000 .0006 -0.001
 #2 -0.009 514.9 .0015 .0004 -0.001 493.8 -0.002 .0002 -0.001
 #3 -0.010 511.2 .0010 .0005 -0.002 490.6 .0000 .0005 -0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

High Limit
Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	189.9	.0624	541.1	.0008	.0000	.1219	.0000	.0000
Stddev	.000	.6	.0298	2.1	.0000	.0003	.0057	.0003	.0010
%RSD	1047.	.2936	47.77	.3917	3.351	1206.	4.646	9670.	2876.

#1 -0.003 189.3 .0562 538.7 .0008 -0.003 .1183 .0001 -0.004
 #2 -0.001 190.4 .0361 542.5 .0008 .0000 .1284 .0002 -0.007
 #3 .0003 190.0 .0947 542.2 .0008 .0003 .1190 -0.003 .0012

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass

High Limit
Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.013	.0000	.0353	F .0034	.0001	.0000	.0000	.0000	-0.011
Stddev	.0017	.0034	.0007	.0002	.0001	.000	.0015	.000	.0003
%RSD	137.8	17970.	1.881	5.791	51.52	436.3	7351.	1662.	30.54

#1 -0.033 .0006 .0346 .0034 .0002 -0.002 .0015 .0000 -0.009
 #2 .0000 -0.037 .0355 .0036 .0000 .0002 -0.0016 -0.002 -0.014
 #3 -0.005 .0031 .0358 .0032 .0001 -0.001 .0002 .0002 -0.009

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

High Limit
Low Limit

Sample Name: ICSEA Acquired: 10/17/2016 8:51:18 Type: QC
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1650.1	4045.7	36454.	5239.5
Stddev	3.2	3.3	135.	15.1
%RSD	.19230	.08162	.36943	.28819

#1 1649.4 4042.1 36451. 5255.2
 #2 1647.4 4048.6 36591. 5225.0
 #3 1653.6 4046.4 36321. 5238.4

Sample Name: ICSAB Acquired: 10/17/2016 8:58:45 Type: QC
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.021	506.8	1.097	.5413	.5251	488.7	.9926	.4998	.5237
Stddev	.003	1.3	.002	.0009	.0005	.6	.0024	.0007	.0031
%RSD	.3004	.2628	.1418	.1662	.0921	.1257	.2406	.1420	.5935

#1 1.018 507.8 1.098 .5404 .5256 489.2 .9920 .5000 .5273
 #2 1.024 505.3 1.095 .5422 .5246 488.8 .9905 .4991 .5221
 #3 1.022 507.3 1.097 .5414 .5251 488.0 .9952 .5005 .5217

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5623	186.2	.0721	541.0	.5196	.9720	.1475	.9942	1.042
Stddev	.0012	.2	.0069	1.1	.0005	.0019	.0056	.0024	.000
%RSD	.2095	.1075	9.538	.2071	.0912	.1947	3.782	.2368	.0362

#1 .5615 188.0 .0797 540.2 .5199 .9703 .1534 .9935 1.042
 #2 .5617 188.1 .0704 540.5 .5197 .9717 .1469 .9924 1.043
 #3 .5637 188.4 .0663 542.3 .5190 .9740 .1423 .9969 1.042

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass

Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.045	1.037	.0808	.9624	1.014	1.011	1.018	.4826	.9887
Stddev	.003	.007	.0005	.0027	.000	.002	.001	.0005	.0034
%RSD	.2631	.6494	.6744	.2820	.0173	.1912	.1191	.0974	.3486

#1 1.042 1.042 .0802 .9604 1.014 1.013 1.017 .4822 .9870
 #2 1.046 1.029 .0813 .9614 1.014 1.009 1.017 .4825 .9864
 #3 1.047 1.041 .0809 .9655 1.014 1.010 1.019 .4831 .9926

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass

Value Range

Sample Name: ICSAB Acquired: 10/17/2016 8:58:45 Type: QC
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1631.7	4027.1	36604.	5286.8
Stddev	.8	9.2	141.	4.9
%RSD	.04745	.22748	.38493	.09337

#1 1630.8 4029.6 36473. 5281.3
 #2 1632.3 4034.7 36586. 5290.9
 #3 1631.9 4016.9 36753. 5288.1

Sample Name: CCV Acquired: 10/17/2016 9:05:08 Type: QC
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2551	41.26	2.013	2.029	2.038	41.64	2.046	2.035	2.058
Stddev	.0008	.07	.006	.006	.008	.36	.004	.004	.006
%RSD	.3100	.1746	.3175	.2868	.4059	.8532	.1976	.1903	.2729
#1	.2553	41.28	2.006	2.033	2.042	41.91	2.043	2.030	2.061
#2	.2542	41.32	2.014	2.033	2.043	41.78	2.045	2.037	2.052
#3	.2557	41.18	2.019	2.023	2.028	41.24	2.051	2.037	2.062

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.035	41.28	41.55	41.46	2.082	2.029	41.47	2.038	2.013
Stddev	.010	.15	.17	.36	.007	.006	.14	.006	.004
%RSD	.4911	.3700	.3987	.8715	.3623	.2779	.3451	.2807	.1842
#1	2.025	41.33	41.67	41.70	2.083	2.023	41.51	2.032	2.017
#2	2.044	41.40	41.62	41.64	2.074	2.033	41.58	2.037	2.010
#3	2.036	41.11	41.36	41.05	2.089	2.033	41.30	2.043	2.012

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.008	2.017	2.334	2.031	2.034	2.052	2.024	2.039	2.048
Stddev	.010	.009	.008	.007	.004	.006	.004	.005	.001
%RSD	.4775	.4587	.3458	.3356	.2088	.2909	.1890	.2579	.0285
#1	1.997	2.009	2.327	2.023	2.030	2.046	2.025	2.038	2.048
#2	2.013	2.015	2.331	2.034	2.038	2.052	2.027	2.034	2.049
#3	2.014	2.027	2.343	2.035	2.033	2.058	2.020	2.044	2.048

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: CCV Acquired: 10/17/2016 9:05:08 Type: QC
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1901.0	4343.5	39466.	5478.5
Stddev	.5	12.8	107.	39.8
%RSD	.02866	.29567	.27030	.72673
#1	1900.4	4357.6	39438.	5440.8
#2	1901.5	4340.4	39584.	5474.6
#3	1900.9	4332.4	39377.	5520.1

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.035	41.28	41.55	41.46	2.082	2.029	41.47	2.038	2.013
Stddev	.010	.15	.17	.36	.007	.006	.14	.006	.004
%RSD	.4911	.3700	.3987	.8715	.3623	.2779	.3451	.2807	.1842
#1	2.025	41.33	41.67	41.70	2.083	2.023	41.51	2.032	2.017
#2	2.044	41.40	41.62	41.64	2.074	2.033	41.58	2.037	2.010
#3	2.036	41.11	41.36	41.05	2.089	2.033	41.30	2.043	2.012

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.008	2.017	2.334	2.031	2.034	2.052	2.024	2.039	2.048
Stddev	.010	.009	.008	.007	.004	.006	.004	.005	.001
%RSD	.4775	.4587	.3458	.3356	.2088	.2909	.1890	.2579	.0285
#1	1.997	2.009	2.327	2.023	2.030	2.046	2.025	2.038	2.048
#2	2.013	2.015	2.331	2.034	2.038	2.052	2.027	2.034	2.049
#3	2.014	2.027	2.343	2.035	2.033	2.058	2.020	2.044	2.048

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: CCB Acquired: 10/17/2016 9:13:16 Type: QC
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0039	.0005	-0.001	.0000	.0029	.0000	.0000
Stddev	.0004	.0016	.0004	.0001	.0000	.0013	.0000	.0001
%RSD	274.9	40.16	76.48	120.2	2293.	43.99	116.6	260.8
#1	-.0002	.0025	.0004	.0000	.0000	.0016	.0001	.0001
#2	-.0004	.0057	.0002	-.0001	.0000	.0030	.0000	.0000
#3	.0003	.0037	.0009	-.0001	.0000	.0041	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0000	-0.0019	.0418	-0.0228	.0001	F -.0014	.0030
Stddev	.0002	.0001	.0020	.0291	.0187	.0001	.0002	.0102
%RSD	96.72	333.5	102.7	69.73	81.98	75.92	14.36	340.1
#1	.0000	.0001	-.0004	.0739	-.0076	.0000	-.0012	-.0033
#2	.0003	.0000	-.0013	.0343	-.0437	.0001	-.0013	-.0024
#3	.0003	-.0001	-.0042	.0171	-.0171	.0001	-.0016	.0147

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass
 High Limit Low Limit

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.0007	-0.0007	.0007	.0005	.0001	.0000	-0.0002
Stddev	.0001	.0005	.0010	.0013	.0004	.0003	.0000	.0000
%RSD	300.6	69.31	160.2	177.7	78.29	380.6	315.2	11.46
#1	.0000	-.0002	.0005	-.0004	.0002	-.0001	.0000	-.0002
#2	.0000	-.0012	-.0008	.0004	.0004	.0004	.0000	-.0002
#3	.0001	-.0007	-.0016	.0022	.0010	-.0001	.0001	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

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Sample Name: CCB Acquired: 10/17/2016 9:13:16 Type: QC
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	-0.0018	.0001	-0.0001
Stddev	.0005	.0001	.0001
%RSD	25.16	56.14	63.38
#1	-.0022	.0001	-.0001
#2	-.0013	.0002	.0000
#3	-.0020	.0001	-.0002

Check ? Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2161.8	4594.5	41993.	5623.6
Stddev	6.1	8.6	80.	21.3
%RSD	.28403	.18658	.19120	.37796
#1	2156.7	4586.4	42007.	5604.9
#2	2160.2	4593.7	41906.	5646.7
#3	2168.6	4603.5	42065.	5619.1

Check ? Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

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Sample Name: FA37615-13 Acquired: 10/17/2016 9:17:28 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.399	5648	0007	0444	-0.007	395.0	0128	4273
Stddev	.0013	.0495	.0073	.0018	.0005	1.8	.0045	.0003
%RSD	3.186	8.757	1057.	4.034	68.70	4.526	34.76	.0811
#1	-0.392	.6215	.0037	.0450	-.0012	393.8	.0102	.4275
#2	-.0391	.5420	-.0076	.0458	-.0005	394.1	.0180	.4276
#3	-.0414	.5308	.0060	.0424	-.0004	397.0	.0103	.4269
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	1.009	0178	F 6341.	18.52	34.94	36.25	3062	F 6141.
Stddev	.004	.0067	35.	.40	.39	.07	.0010	.69.
%RSD	.3533	37.57	.5451	2.148	1.128	.1824	.3167	1.115
#1	1.005	.0255	6345.	18.34	34.59	36.20	3053	6149.
#2	1.010	.0144	6305.	18.25	34.87	36.32	3060	6069.
#3	1.012	.0135	6374.	18.98	35.37	36.22	3073	6205.
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	2.242	F -.1120	2019	F -.1673	4.333	0665	8593	0589
Stddev	.004	.0238	.0081	.0072	.001	.0022	.0016	.0014
%RSD	.1828	21.25	4.006	4.310	.0329	3.265	1.838	2.375
#1	2.238	-.0988	.1937	-.1750	4.332	.0690	8584	.0573
#2	2.243	-.0978	.2099	-.1661	4.334	.0659	8584	.0597
#3	2.246	-.1395	.2022	-.1608	4.334	.0647	8611	.0597
Elem	Tl1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	F -.1066	0900	14.17					
Stddev	.0251	.0014	.04					
%RSD	23.57	1.513	.3039					
#1	-.0892	.0886	14.17					
#2	-.1354	.0913	14.21					
#3	-.0952	.0902	14.12					

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Sample Name: FA37615-13 Acquired: 10/17/2016 9:17:28 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1630.7	4105.4	36949.	5389.2
Stddev	12.0	3.9	77.	49.8
%RSD	.73308	.09494	.20740	.92479
#1	1632.1	4108.5	37029.	5409.1
#2	1618.1	4101.0	36876.	5426.0
#3	1641.9	4106.7	36944.	5332.5

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7.3
7

Sample Name: FA37615-14 Acquired: 10/17/2016 9:22:18 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.434	5831	0037	0426	-0.009	395.2	0109	4330
Stddev	.0020	.0691	.0107	.0021	.0005	2.9	.0046	.0020
%RSD	4.640	11.86	288.0	4.832	56.90	7.295	41.75	.4692
#1	-.0444	.5427	.0087	.0449	-.0011	392.0	.0161	.4329
#2	-.0411	.5436	-.0085	.0419	-.0003	397.5	.0075	.4310
#3	-.0447	.6629	.0110	.0410	-.0013	396.0	.0092	.4351
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	1.032	0087	F 6396.	19.01	34.65	37.06	3067	F 6199.
Stddev	.005	.0048	53.	.11	.24	.08	.0005	.59.
%RSD	.4653	55.50	.8288	.5714	.6863	.2061	.1703	.9535
#1	1.034	.0034	6335.	18.90	34.47	37.00	3061	6137.
#2	1.035	.0101	6419.	19.03	34.92	37.14	3069	6206.
#3	1.026	.0128	6434.	19.12	34.57	37.03	3071	6255.
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	2.275	F -.1274	2154	F -.1795	4.283	0703	8490	0592
Stddev	.004	.0052	.0104	.0216	.025	.0015	.0018	.0013
%RSD	.1958	4.121	4.827	12.01	.5807	2.093	2.098	2.129
#1	2.276	-.1281	.2273	-.1560	4.276	.0720	8506	.0585
#2	2.270	-.1322	.2113	-.1842	4.262	.0691	8493	.0584
#3	2.279	-.1218	.2077	-.1983	4.310	.0700	8471	.0607
Elem	Tl1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	F -.1093	0892	13.74					
Stddev	.0321	.0017	.03					
%RSD	29.34	1.927	.2446					
#1	-.0952	.0882	13.77					
#2	-.1460	.0912	13.71					
#3	-.0866	.0882	13.75					

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Sample Name: FA37615-14 Acquired: 10/17/2016 9:22:18 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1629.1	4115.5	36757.	5375.4
Stddev	1.8	7.6	116.	54.4
%RSD	.11341	.18425	.31648	1.0123
#1	1631.1	4115.5	36856.	5438.1
#2	1627.6	4123.1	36629.	5340.9
#3	1628.5	4108.0	36787.	5347.1

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Sample Name: FA37615-15 Acquired: 10/17/2016 9:27:08 Type: Unk
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.115	0.150	0.0505	-0.001	77.13	-0.002	0.000	0.006
Stddev	0.001	0.043	0.006	0.001	0.001	0.01	0.000	0.000	0.001
%RSD	96.92	37.10	4.159	2.372	62.78	0.187	8.463	240.4	18.88
#1	-0.003	0.117	0.144	0.0503	-0.002	77.12	-0.002	0.000	0.005
#2	0.000	0.156	0.156	0.0506	0.000	77.13	-0.002	0.000	0.007
#3	-0.002	0.071	0.150	0.0504	-0.001	77.15	-0.002	0.000	0.005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.001	11.39	4.408	21.50	2.627	0.024	37.94	0.128	-0.005
Stddev	0.002	0.04	0.030	0.09	0.014	0.002	0.18	0.002	0.001
%RSD	254.7	3.224	6.838	3.990	5.145	8.174	4.619	1.351	27.83
#1	-0.002	11.36	4.399	21.41	2.612	0.026	37.76	0.126	-0.007
#2	-0.002	11.44	4.383	21.58	2.628	0.022	38.11	0.128	-0.006
#3	0.002	11.38	4.441	21.51	2.639	0.023	37.97	0.129	-0.004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.003	0.011	2.867	0.006	3.489	0.006	-0.030	0.002	0.0396
Stddev	0.003	0.016	0.13	0.004	0.017	0.001	0.014	0.002	0.000
%RSD	85.47	143.3	4.417	74.62	4.744	12.44	46.08	113.4	0.578
#1	0.002	-0.001	2.854	0.002	3.471	0.006	-0.043	0.000	0.0396
#2	0.002	0.030	2.879	0.005	3.504	0.005	-0.032	0.003	0.0396
#3	0.006	0.005	2.868	0.010	3.492	0.007	-0.015	0.002	0.0395
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1999.4	4369.9	4004.2	5497.3					
Stddev	1.0	7.1	59.	10.4					
%RSD	0.4818	0.16175	1.4818	0.18896					
#1	1998.6	4378.0	3998.6	5505.1					
#2	2000.5	4365.2	4003.6	5485.6					
#3	1999.2	4366.4	4010.4	5501.3					

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Sample Name: FA37615-16 Acquired: 10/17/2016 9:31:36 Type: Unk
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.054	0.931	-0.0064	-0.0344	-0.0008	552.6	0.673	0.719
Stddev	0.0055	0.238	0.0014	0.007	0.0008	1.7	0.096	0.011
%RSD	9.702	2.548	21.29	2.125	94.69	3.000	14.24	1.589
#1	-0.0626	0.9271	-0.0078	-0.0341	-0.0004	550.7	0.659	0.7194
#2	-0.0523	0.9129	-0.0065	-0.0339	-0.0017	553.5	0.775	0.7213
#3	-0.0544	0.9593	-0.0050	-0.0352	-0.0003	553.7	0.584	0.7192
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	1.657	1.178	9420.	36.61	41.81	57.28	5.083	8291.
Stddev	0.003	0.043	40.	26	39	22	0.030	72.
%RSD	0.1980	3.651	4.195	7.222	9.340	3.904	5.930	8.723
#1	1.655	1.192	9415.	36.34	41.65	57.34	5.063	8372.
#2	1.656	1.129	9383.	36.87	41.54	57.03	5.068	8270.
#3	1.661	1.211	9461.	36.62	42.26	57.47	5.118	8232.
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	4.230	0.042	0.331	0.2366	6.451	1.028	1.169	1.298
Stddev	0.009	0.130	0.041	0.228	0.33	0.043	0.004	0.004
%RSD	2.002	15.40	1.220	9.658	5.076	4.178	3.030	3.074
#1	4.222	-0.091	0.3375	-0.2347	6.465	1.062	1.166	1.294
#2	4.239	-0.0768	0.3322	-0.2603	6.475	0.980	1.173	1.302
#3	4.229	-0.0765	0.3295	-0.2147	6.414	1.043	1.168	1.298
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	-1.465	1.045	17.77					
Stddev	0.0381	0.010	0.05					
%RSD	26.00	0.9908	0.3053					
#1	-1.143	1.034	17.77					
#2	-1.366	1.055	17.72					
#3	-1.885	1.046	17.82					

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7.3
7

Sample Name: FA37615-16 Acquired: 10/17/2016 9:31:36 Type: Unk
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1423.3	4010.8	35866.	5247.2
Stddev	.5	4.6	100.	12.3
%RSD	0.3336	0.11490	0.27783	0.23345
#1	1423.6	4007.5	35980.	5251.7
#2	1423.7	4008.7	35821.	5256.6
#3	1422.8	4016.0	35797.	5233.4

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Sample Name: FA37615-17 Acquired: 10/17/2016 9:36:25 Type: Unk
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.001	0.093	-0.0004	0.000	-0.001	0.854	-0.001	0.000	0.003
Stddev	0.003	0.036	0.003	0.000	0.000	0.023	0.001	0.000	0.003
%RSD	493.7	38.97	61.02	598.2	46.82	2.660	79.07	192.3	105.6
#1	0.003	0.133	-0.005	-0.001	0.000	0.863	-0.001	-0.001	0.006
#2	0.001	0.084	-0.006	0.002	-0.001	0.828	-0.001	0.000	0.004
#3	-0.003	0.062	-0.001	-0.002	-0.001	0.871	0.000	0.000	-0.001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.001	1.468	-0.002	0.077	-0.020	1.203	0.003	-0.002	
Stddev	0.001	0.10	0.038	0.126	0.000	0.001	0.015	0.001	
%RSD	53.37	6.595	31.09	152.8	2.358	3.232	1.267	20.74	
#1	-0.001	1.469	0.1154	0.035	0.077	-0.019	1.199	0.003	
#2	-0.002	1.457	0.1251	-0.066	0.078	-0.019	1.189	0.003	
#3	0.000	1.477	0.0659	-0.0216	0.077	-0.020	1.219	0.004	
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	-0.005	0.018	0.104	0.002	0.001	-0.003	-0.017	0.000	0.030
Stddev	0.005	0.020	0.003	0.003	0.001	0.000	0.005	0.000	0.001
%RSD	102.1	114.3	2.498	111.6	92.13	12.78	30.72	409.6	2.525
#1	-0.009	0.022	0.106	0.005	0.001	-0.004	-0.022	-0.001	0.031
#2	0.000	0.035	0.101	0.000	0.000	-0.003	-0.017	0.001	0.029
#3	-0.005	-0.004	0.105	0.002	0.001	-0.003	-0.012	0.000	0.030
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2151.5	4593.1	42051.	5568.8					
Stddev	7.4	5.1	61.	58.8					
%RSD	0.34483	0.11066	0.14395	1.0552					
#1	2148.5	4588.5	41985.	5566.1					
#2	2146.0	4598.5	42062.	5628.8					
#3	2159.9	4592.2	42104.	5511.4					

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Sample Name: FA37615-18 Acquired: 10/17/2016 9:41:01 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stdev, %RSD.

Table with 11 columns: Elem, Cu3247, Fe2599, K 7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stdev, %RSD.

Table with 11 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V 2924, Zn2062. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stdev, %RSD.

Table with 4 columns: Int. Std., Y 2243, Y 3600, Y 3710. Rows include Avg, Stdev, %RSD and #1-3.

Table with 4 columns: #1, #2, #3. Rows include Avg, Stdev, %RSD.

Sample Name: FA37615-19 Acquired: 10/17/2016 9:45:35 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stdev, %RSD.

Table with 11 columns: Elem, Cu3247, Fe2599, K 7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stdev, %RSD.

Table with 11 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V 2924, Zn2062. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stdev, %RSD.

Table with 4 columns: Int. Std., Y 2243, Y 3600, Y 3710. Rows include Avg, Stdev, %RSD and #1-3.

Table with 4 columns: #1, #2, #3. Rows include Avg, Stdev, %RSD.

Sample Name: FA37615-20 Acquired: 10/17/2016 9:50:08 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stdev, %RSD.

Table with 11 columns: Elem, Cu3247, Fe2599, K 7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stdev, %RSD.

Table with 11 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V 2924, Zn2062. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stdev, %RSD.

Table with 4 columns: Int. Std., Y 2243, Y 3600, Y 3710. Rows include Avg, Stdev, %RSD and #1-3.

Table with 4 columns: #1, #2, #3. Rows include Avg, Stdev, %RSD.

Sample Name: FA37615-21 Acquired: 10/17/2016 9:54:43 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stdev, %RSD.

Table with 11 columns: Elem, Cu3247, Fe2599, K 7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stdev, %RSD.

Table with 11 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V 2924, Zn2062. Rows include IS Ref, Avg, Stdev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stdev, %RSD.

Table with 4 columns: Int. Std., Y 2243, Y 3600, Y 3710. Rows include Avg, Stdev, %RSD and #1-3.

Table with 4 columns: #1, #2, #3. Rows include Avg, Stdev, %RSD.

Sample Name: FA37615-22 Acquired: 10/17/2016 9:59:18 Type: Unk
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	.0327	.0021	.0752	-0.0011	207.2	-0.007	.0009	.0036
Stddev	.0001	.0051	.0012	.0004	.0001	.9	.0001	.0001	.0003
%RSD	35.97	15.64	56.80	.4899	65.77	.4585	9.981	7.146	7.311
#1	-.0002	.0268	.0008	.0749	-.0002	206.2	-.0007	.0009	.0038
#2	-.0003	.0359	.0026	.0750	-.0000	208.0	-.0007	.0008	.0035
#3	-.0001	.0355	.0030	.0756	-.0001	207.4	-.0008	.0008	.0033
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0007	66.41	4.611	54.09	4.027	.0046	77.92	.0084	-0.019
Stddev	.0003	.39	.058	.60	.015	.0001	.31	.0002	.0010
%RSD	46.88	.5867	1.258	1.113	.3707	2.615	.4016	2.458	50.12
#1	.0004	66.03	4.567	53.46	4.043	.0047	77.69	.0087	-.0022
#2	.0007	66.38	4.591	54.13	4.025	.0044	77.80	.0084	-.0027
#3	.0010	66.81	4.677	54.66	4.013	.0045	78.28	.0083	-.0009
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0018	.0008	4.088	.0010	3.186	.0009	-0.009	.0007	.1115
Stddev	.0008	.0005	.007	.0002	.014	.0000	.0010	.0003	.0004
%RSD	46.55	60.51	.1662	17.65	.4329	4.097	105.6	46.13	.3180
#1	.0013	.0007	4.096	.0012	3.180	.0008	.0002	.0011	.1118
#2	.0013	.0013	4.083	.0009	3.175	.0008	-.0016	.0005	.1111
#3	.0027	.0004	4.085	.0010	3.201	.0009	-.0013	.0005	.1115
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1905.6	4478.5	38982.	5383.2					
Stddev	4.3	11.4	170.	35.7					
%RSD	.22780	.26617	.43629	.66350					
#1	1905.2	4268.5	38918.	5419.2					
#2	1910.1	4290.9	38854.	5382.8					
#3	1901.4	4276.1	39175.	5347.7					

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Sample Name: CCV Acquired: 10/17/2016 10:03:59 Type: QC
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2518	41.00	1.980	2.018	2.006	41.74	2.027	2.013	2.050
Stddev	.0010	.13	.001	.005	.006	.19	.005	.004	.006
%RSD	.3980	.3220	.0606	.2609	.3078	.4532	.2258	.1876	.3168
#1	.2508	41.14	1.979	2.022	2.012	41.96	2.023	2.010	2.048
#2	.2520	40.98	1.981	2.012	2.000	41.64	2.032	2.018	2.058
#3	.2527	40.88	1.979	2.020	2.005	41.63	2.025	2.012	2.045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.994	40.78	41.16	41.54	2.071	1.997	41.03	2.014	2.004
Stddev	.007	.17	.16	.13	.003	.002	.17	.003	.004
%RSD	.3684	.4199	.3823	.3246	.1630	.0913	.4112	.1614	.1841
#1	1.988	40.98	41.32	41.64	2.067	1.996	41.17	2.012	2.005
#2	2.002	40.65	41.01	41.60	2.074	1.999	40.85	2.018	2.007
#3	1.992	40.72	41.14	41.39	2.071	1.996	41.08	2.013	2.000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.973	1.982	2.291	2.018	2.003	2.019	2.003	2.016	2.057
Stddev	.003	.002	.004	.004	.005	.007	.005	.002	.005
%RSD	.1490	.1049	.1943	.2125	.2561	.3468	.2422	.1014	.2631
#1	1.971	1.980	2.290	2.016	2.009	2.015	2.005	2.014	2.051
#2	1.976	1.985	2.296	2.023	2.000	2.027	2.007	2.018	2.062
#3	1.971	1.983	2.287	2.016	2.001	2.015	1.997	2.016	2.058
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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Sample Name: CCV Acquired: 10/17/2016 10:03:59 Type: QC
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1928.5	4437.3	40056.	5448.3
Stddev	1.6	2.4	115.	46.2
%RSD	.08040	.05345	.28718	.84821
#1	1927.2	4438.4	40022.	5397.4
#2	1928.1	4434.5	39962.	5460.1
#3	1930.2	4438.8	40185.	5487.5

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Sample Name: CCB Acquired: 10/17/2016 10:08:10 Type: QC
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0069	.0008	.0002	.0000	.0029	.0002	.0002	.0001
Stddev	.0004	.0042	.0007	.0000	.0001	.0016	.0000	.0000	.0003
%RSD	288.8	61.07	84.23	13.75	133.7	55.73	15.85	7.555	249.4
#1	.0004	.0021	.0013	.0002	.0001	.0029	.0002	.0002	.0002
#2	.0004	.0097	.0010	.0002	.0000	.0013	.0002	.0002	-.0002
#3	-.0004	.0091	.0000	.0002	.0000	.0046	.0002	.0002	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0008	.0379	-.0307	.0002	-.0003	.0164	.0002	.0004
Stddev	.000	.0030	.0199	.0152	.0001	.0003	.0111	.0003	.0004
%RSD	227.8	369.4	52.56	49.49	39.45	105.7	67.59	103.1	110.1
#1	-.0002	.0015	.0313	-.0376	.0001	.0001	.0153	.0004	.0008
#2	.0000	-.0025	.0221	-.0133	.0002	-.0004	.0059	.0003	.0001
#3	.0000	.0034	.0602	-.0413	.0003	-.0006	.0280	.0000	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0013	.0016	.0000	.0001	.0000	-.0008	.0002	.0000
Stddev	.0001	.0012	.0001	.0003	.0000	.000	.0010	.0001	.000
%RSD	378.8	92.21	5.083	1138.	29.50	3993.	121.5	58.23	413.1
#1	-.0001	.0027	.0015	.0004	.0001	.0000	-.0005	.0001	-.0001
#2	.0002	.0008	.0016	-.0001	.0001	.0000	-.0020	.0002	.0001
#3	.0000	.0005	.0016	-.0002	.0001	-.0001	-.0001	.0004	-.0001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 10/17/2016 10:08:10 Type: QC
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2160.0	4619.7	41924.	5525.6
Stddev	2.1	6.7	205.	54.0
%RSD	.09817	.14554	.49010	.97755
#1	2158.6	4613.1	41944.	5518.2
#2	2162.5	4619.5	42118.	5583.0
#3	2159.0	4626.5	41709.	5475.7

Sample Name: FA37615-23 Acquired: 10/17/2016 10:12:43 Type: Unk
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.063	0.015	0.139	0.000	0.197	-0.005	0.022	0.016
Stddev	0.001	0.064	0.016	0.007	0.000	0.1	0.001	0.001	0.004
%RSD	107.3	9.625	104.8	6.125	324.1	0.464	17.14	3.420	23.44
#1	-0.003	0.039	0.002	0.147	0.000	0.197	-0.004	0.022	0.020
#2	0.000	0.0735	0.011	0.134	0.000	0.197	-0.005	0.022	0.012
#3	-0.001	0.0614	0.033	0.137	-0.001	0.197	-0.006	0.021	0.016
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.006	39.09	5.720	57.83	1.503	0.021	31.36	0.104	-0.013
Stddev	0.001	0.07	0.24	0.24	0.03	0.001	0.07	0.002	0.002
%RSD	11.53	0.1709	4.189	4.165	0.1631	4.517	0.2255	1.472	16.93
#1	0.006	39.17	5.747	58.11	1.501	0.020	31.44	0.105	-0.010
#2	0.005	39.05	5.715	57.74	1.503	0.020	31.33	0.102	-0.013
#3	0.005	39.06	5.700	57.66	1.506	0.022	31.31	0.104	-0.014
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.013	0.017	3.451	0.007	2.662	0.010	-0.016	0.004	0.1308
Stddev	0.014	0.014	0.02	0.002	0.06	0.001	0.010	0.001	0.002
%RSD	110.2	82.03	0.662	32.48	2.343	13.08	57.96	18.46	0.1536
#1	-0.003	0.032	3.449	0.005	2.668	0.011	-0.006	0.004	0.1305
#2	0.025	0.009	3.449	0.007	2.664	0.009	-0.024	0.005	0.1309
#3	0.016	0.008	3.453	0.010	2.656	0.009	-0.020	0.003	0.1309
Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710					
	1931.1	4304.6	39245.	5433.8					
Stddev	1.6	5.7	45.	26.2					
%RSD	0.08344	0.13177	0.11345	0.48151					
#1	1929.7	4298.7	39285.	5404.8					
#2	1932.8	4310.0	39253.	5441.0					
#3	1930.9	4305.0	39197.	5455.6					

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Sample Name: FA37615-24 Acquired: 10/17/2016 10:17:19 Type: Unk
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	0.000	0.130	0.162	0.0506	-0.0001	79.12	-0.0002	-0.0002	0.015
Stddev	0.000	0.041	0.007	0.005	0.000	0.30	0.000	0.001	0.001
%RSD	674.2	31.73	4.162	1.039	80.45	0.3790	17.12	37.43	8.212
#1	0.001	0.120	0.155	0.0509	-0.001	78.80	-0.002	-0.002	0.016
#2	-0.001	0.094	0.167	0.0509	0.000	79.20	-0.002	-0.002	0.014
#3	0.000	0.175	0.165	0.0500	0.000	79.38	-0.002	-0.001	0.014
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.003	7.891	4.192	22.01	2.479	-0.005	17.67	0.106	-0.015
Stddev	0.002	0.09	0.12	0.08	0.006	0.001	0.3	0.001	0.007
%RSD	46.58	1.078	2.819	0.3711	0.2535	19.01	1.806	0.4811	43.40
#1	0.005	7.900	4.200	21.93	2.475	-0.004	17.71	0.106	-0.011
#2	0.002	7.891	4.178	22.09	2.487	-0.006	17.64	0.107	-0.023
#3	0.002	7.883	4.197	22.02	2.477	-0.005	17.67	0.107	-0.012
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.005	0.017	2.640	0.005	0.3567	0.006	-0.020	0.002	0.477
Stddev	0.009	0.011	0.003	0.004	0.012	0.001	0.014	0.001	0.001
%RSD	176.7	64.30	0.1085	76.82	0.3464	9.236	70.26	38.90	0.2206
#1	-0.002	0.020	2.641	0.008	0.3581	0.006	-0.035	0.004	0.477
#2	0.015	0.027	2.643	0.007	0.3558	0.005	-0.017	0.002	0.476
#3	0.002	0.005	2.637	0.001	0.3563	0.006	-0.007	0.002	0.477
Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710					
	2034.5	4443.4	40672.	5529.7					
Stddev	1.9	5.7	92.	31.2					
%RSD	0.09144	0.12868	0.22739	0.56494					
#1	2032.5	4437.2	40568.	5561.2					
#2	2035.0	4444.4	40705.	5529.1					
#3	2036.1	4448.5	40744.	5498.7					

Sample Name: FA37615-25 Acquired: 10/17/2016 10:21:48 Type: Unk
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.170	0.132	0.0884	-0.0001	78.31	-0.003	-0.003	0.006
Stddev	0.002	0.044	0.004	0.007	0.000	0.41	0.000	0.001	0.001
%RSD	321.4	25.86	3.040	8.145	23.88	5.297	6.097	53.04	18.97
#1	-0.001	0.175	0.136	0.0880	-0.001	77.84	-0.003	-0.002	0.007
#2	0.002	0.211	0.130	0.0892	-0.001	78.56	-0.003	-0.004	0.007
#3	-0.003	0.124	0.128	0.0880	-0.001	78.55	-0.003	-0.002	0.005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.021	17.86	6.952	24.58	3.606	-0.014	81.48	0.193	-0.004
Stddev	0.001	0.09	0.40	0.12	0.019	0.001	0.28	0.002	0.008
%RSD	4.285	0.4943	5.773	4.964	0.5183	9.046	0.3385	0.7943	201.7
#1	0.020	17.76	6.906	24.44	0.3598	-0.015	81.22	0.191	-0.001
#2	0.022	17.87	6.979	24.62	0.3627	-0.015	81.77	0.193	-0.013
#3	0.021	17.94	6.972	24.67	0.3591	-0.013	81.47	0.194	0.002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.005	0.010	3.260	0.006	0.3622	0.007	-0.015	0.002	0.7129
Stddev	0.010	0.022	0.09	0.003	0.010	0.001	0.017	0.001	0.008
%RSD	196.3	220.9	2.644	55.36	2.677	13.80	114.0	56.64	0.1129
#1	0.017	-0.013	3.255	0.010	0.3614	0.008	-0.035	0.001	0.7120
#2	0.000	0.012	3.254	0.003	0.3633	0.007	-0.009	0.001	0.7134
#3	-0.001	0.031	3.270	0.005	0.3618	0.006	-0.002	0.003	0.7134
Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710					
	1985.4	4410.6	40027.	5459.7					
Stddev	6.3	5.8	120.	47.9					
%RSD	0.31561	0.13118	0.29926	0.87647					
#1	1983.4	4417.2	39892.	5513.8					
#2	1980.4	4407.0	40120.	5442.2					
#3	1992.4	4407.5	40068.	5423.0					

Sample Name: FA37615-26 Acquired: 10/17/2016 10:26:16 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	.0000	5.626	.0406	.0872	-0.001	10.85	.0000	.0011
Stddev	.0001	.030	.0003	.0005	.0000	.05	.000	.0000
%RSD	658.0	.5427	.6912	.5909	25.97	4.291	23.61	4.508
#1	-.0001	5.655	.0407	.0869	-.0001	10.85	.0000	.0011
#2	-.0000	5.630	.0408	.0878	-.0001	10.90	.0000	.0011
#3	.0001	5.594	.0403	.0869	-.0001	10.80	.0000	.0011

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.0548	.0120	.5740	F 1163.	.2549	.0031	.0450	F 623.5
Stddev	.0004	.0001	.0023	13.	.0269	.0000	.0002	2.6
%RSD	.7193	1.191	.3939	1.154	10.56	.5699	.4176	.4245
#1	.0543	.0119	.5761	1178.	.2607	.0031	.0448	620.8
#2	.0550	.0121	.5744	1154.	.2784	.0031	.0449	626.1
#3	.0550	.0121	.5716	1157.	.2255	.0031	.0452	623.5

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.0220	F -.0053	.0017	.0061	54.22	.0018	F 5.683	.0027
Stddev	.0000	.0007	.0013	.0010	.03	.0002	.109	.0000
%RSD	.2093	13.49	75.24	15.64	.0606	8.560	1.925	.7727
#1	.0220	-.0056	.0019	.0054	54.19	.0017	5.640	.0026
#2	.0221	-.0059	.0003	.0058	54.26	.0019	5.808	.0027
#3	.0221	-.0045	.0028	.0072	54.21	.0019	5.603	.0027

Elem	Tl1908	V_2924	Zn2062
IS Ref	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0043	.0268	.0063
Stddev	.0018	.0000	.0001
%RSD	40.98	.1049	1.249
#1	-.0048	.0268	.0064
#2	-.0058	.0268	.0062
#3	-.0024	.0267	.0063

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Sample Name: FA37615-26 Acquired: 10/17/2016 10:26:16 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1733.7	4165.0	36131.	5362.3
Stddev	2.8	2.0	123.	30.7
%RSD	.16270	.04870	.34164	.57311
#1	1735.3	4166.9	36270.	5338.4
#2	1730.4	4162.9	36032.	5351.5
#3	1735.3	4165.4	36093.	5396.9

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Sample Name: MP30977-MB1 Acquired: 10/17/2016 10:31:11 Type: QC
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0088	-0.0007	.0000	-0.0001	.0096	-0.0001	-0.0002	.0004
Stddev	.000	.0112	.0009	.000	.0000	.0003	.0000	.0001	.0003
%RSD	11090.	127.4	136.2	2038.	82.83	3.569	28.31	42.97	63.20
#1	-.0002	.0215	.0003	.0001	.0000	.0096	-.0001	-.0002	.0007
#2	.0001	.0007	-.0014	-.0002	.0000	.0092	-.0001	-.0002	.0003
#3	.0001	.0041	-.0009	.0001	-.0001	.0099	-.0001	-.0001	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	-0.0036	.5158	-0.0285	.0000	-0.0021	.2117	.0000	-0.0003
Stddev	.0001	.0018	.0357	.0228	.000	.0001	.0127	.000	.0004
%RSD	40.05	48.99	6.915	80.24	226.5	3.532	5.993	389.6	117.7
#1	-.0001	-.0021	.5503	-.0021	.0000	-.0020	.2250	-.0001	-.0001
#2	-.0003	-.0033	.5180	-.0407	.0000	-.0021	.2104	.0001	-.0007
#3	-.0002	-.0056	.4791	-.0426	.0000	-.0020	.1997	-.0001	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0009	.0009	.0053	.0000	.0004	-0.0004	-0.0018	.0001	.0017
Stddev	.0003	.0013	.0007	.000	.0000	.0001	.0010	.0001	.0001
%RSD	35.63	151.5	14.22	1094.	11.59	22.55	57.10	70.82	3.927
#1	-.0009	-.0005	.0061	.0000	.0005	-.0003	-.0026	.0002	.0017
#2	-.0012	-.0021	.0050	.0001	.0004	-.0003	-.0020	.0002	.0016
#3	-.0006	.0010	.0047	-.0002	.0004	-.0005	-.0006	.0000	.0017

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

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Sample Name: MP30977-MB1 Acquired: 10/17/2016 10:31:11 Type: QC
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2180.2	4650.3	42924.	5675.6
Stddev	5.9	5.5	38.	21.7
%RSD	.27175	.11857	.08775	.38220
#1	2176.6	4647.0	42948.	5677.4
#2	2176.9	4647.2	42942.	5696.4
#3	2187.0	4656.6	42880.	5653.1

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Sample Name: MP30977-B1 Acquired: 10/17/2016 10:35:45 Type: QC
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0454	27.73	1.930	2.080	.0516	26.43	.0502	.5026	.2035
Stddev	.0004	.02	.001	.005	.0003	.12	.0001	.0004	.0003
%RSD	.8501	.0750	.0341	.2301	.5905	.4475	.2052	.0843	.1609

#1	.0450	27.71	1.929	2.076	.0513	26.37	.0502	.5027	.2032
#2	.0456	27.75	1.930	2.085	.0515	26.35	.0501	.5022	.2037
#3	.0457	27.74	1.930	2.078	.0519	26.57	.0503	.5030	.2038

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2538	27.04	26.02	25.48	.5165	.5072	25.90	.5062	.4815
Stddev	.0004	.05	.02	.17	.0014	.0011	.04	.0004	.0012
%RSD	.1647	.1861	.0675	.6644	.2760	.2198	.1697	.0762	.2583

#1	.2541	27.03	26.03	25.42	.5149	.5068	25.92	.5066	.4800
#2	.2533	27.00	26.00	25.36	.5175	.5063	25.94	.5058	.4822
#3	.2540	27.10	26.03	25.68	.5172	.5084	25.86	.5062	.4822

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4919	1.951	.0166	.5180	.5042	.5098	1.941	.4743	.5037
Stddev	.0007	.007	.0003	.0013	.0010	.0016	.005	.0005	.0004
%RSD	.1329	.3735	.1724	.2536	.1905	.3168	.2791	.1076	.0767

#1	.4924	1.954	.0169	.5183	.5034	.5091	1.935	.4745	.5035
#2	.4922	1.943	.0167	.5165	.5053	.5086	1.941	.4738	.5034
#3	.4912	1.956	.0164	.5191	.5039	.5116	1.946	.4748	.5041

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP30977-B1 Acquired: 10/17/2016 10:35:45 Type: QC
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2031.5	4521.0	4140.4	5635.8
Stddev	3.3	1.3	25.	30.7
%RSD	.16203	.02882	.06075	.54538

#1	2034.6	4520.6	4143.2	5629.3
#2	2028.1	4522.5	4138.4	5669.2
#3	2031.9	4520.0	4139.6	5608.8

Sample Name: FA37666-5 Acquired: 10/17/2016 10:39:58 Type: Unk
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	.0630	.0005	.0172	.0000	24.01	.0000	.0005	.0013
Stddev	.0002	.0035	.0007	.0000	.000	.09	.000	.0001	.0002
%RSD	176.5	5.517	134.3	.2359	691.7	.3775	245.1	19.76	15.97

#1	-.0002	.0598	.0012	.0172	.0000	24.00	.0000	.0004	.0011
#2	-.0002	.0667	-.0001	.0172	.0000	23.92	.0000	.0007	.0015
#3	.0001	.0624	.0003	.0172	-.0001	24.10	.0000	.0005	.0013

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0001	.4816	.7667	2.769	.0455	-0.017	3.414	.0002	-0.008
Stddev	.0001	.0017	.0098	.013	.0001	.0001	.007	.0000	.0003
%RSD	67.05	.3501	1.278	.4668	.2113	8.283	.2210	28.59	34.60

#1	.0000	.4817	.7629	2.784	.0454	-.0016	3.421	.0001	-.0011
#2	.0002	.4833	.7593	2.762	.0455	-.0016	3.406	.0002	-.0007
#3	.0001	.4799	.7778	2.762	.0456	-.0018	3.414	.0001	-.0006

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.006	.0003	2.424	.0005	.1180	.0012	-0.024	.0003	.0027
Stddev	.0002	.0020	.003	.0003	.0004	.0001	.0010	.0002	.0001
%RSD	44.80	769.3	.1269	58.28	.3122	7.942	42.06	62.37	2.960

#1	-.0003	.0015	2.420	.0002	.1179	.0013	-.0023	.0001	.0026
#2	-.0008	.0014	2.425	.0006	.1177	.0011	-.0014	.0005	.0027
#3	-.0005	-.0021	2.426	.0008	.1184	.0013	-.0034	.0004	.0027

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2139.5	4584.0	42363.	5652.0
Stddev	7.1	6.3	120.	22.0
%RSD	.33015	.13732	.28249	.38865

#1	2131.4	4578.9	42272.	5660.0
#2	2142.7	4591.0	42499.	5668.9
#3	2144.4	4582.0	42319.	5627.2

Sample Name: MP30977-D1 Acquired: 10/17/2016 10:44:27 Type: Unk
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	.0564	-0.0011	.0172	-0.0001	23.90	-0.0001	.0005	.0016
Stddev	.0004	.0040	.0004	.0001	.0001	.06	.0000	.0001	.0001
%RSD	190.9	7.085	36.64	.6656	107.4	.2509	65.03	16.62	8.838

#1	.0002	.0537	-.0009	.0173	-.0002	23.94	.0000	.0006	.0017
#2	-.0006	.0544	-.0009	.0170	.0000	23.93	.0000	.0005	.0016
#3	-.0002	.0610	-.0016	.0172	.0000	23.83	-.0001	.0004	.0014

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0001	.4691	.7214	2.759	.0453	-0.019	3.396	.0001	-0.003
Stddev	.0001	.0034	.0126	.011	.0001	.0002	.009	.0000	.0002
%RSD	214.4	.7154	1.747	.3913	.3209	8.767	.2782	51.64	80.70

#1	.0002	.4663	.7170	2.763	.0452	-.0019	3.393	.0001	-.0001
#2	-.0001	.4681	.7357	2.767	.0452	-.0018	3.407	.0001	-.0002
#3	.0001	.4728	.7116	2.746	.0455	-.0021	3.389	.0000	-.0005

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.014	.0030	2.420	.0005	.1172	.0011	-0.022	.0005	.0024
Stddev	.0009	.0012	.004	.0003	.0004	.0001	.0012	.0002	.0001
%RSD	67.45	40.21	.1763	56.35	.3567	5.224	53.14	42.66	4.262

#1	-.0013	.0030	2.425	.0002	.1168	.0011	-.0023	.0003	.0023
#2	-.0005	.0018	2.417	.0007	.1173	.0011	-.0033	.0005	.0025
#3	-.0023	.0042	2.418	.0006	.1176	.0012	-.0010	.0007	.0024

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2151.6	4596.5	42471.	5712.1
Stddev	1.4	5.2	163.	40.5
%RSD	.06367	.11416	.38492	.70944

#1	2152.9	4590.7	42535.	5707.3
#2	2151.8	4600.9	42592.	5674.2
#3	2150.2	4597.9	42285.	5754.8

Sample Name: MP30977-SD1 Acquired: 10/17/2016 10:48:58 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.897	-0.002	0.161	-0.004	23.34	-0.001	-0.001	0.023
Stddev	.0006	.0189	.0010	.0009	.0001	.07	.0002	.0002	.0002
%RSD	260.2	21.11	542.3	5.839	18.37	.3127	161.6	265.2	8.575
#1	.0002	.0818	-.0002	.0166	-.0003	23.37	-.0004	.0001	.0023
#2	-.0009	.1114	.0008	.0165	-.0004	23.40	.0000	.0000	.0021
#3	.0000	.0761	-.0012	.0150	-.0004	23.26	.0000	-.0002	.0025
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.003	4.108	1.053	2.647	0.0435	-0.107	3.336	0.000	-0.029
Stddev	.0006	.0152	.139	.016	.0002	.0006	.033	.000	.0007
%RSD	193.9	3.698	13.22	.5990	.4029	5.918	.9991	1028.	22.96
#1	-.0005	.4198	1.213	2.634	.0434	-.0104	3.352	-.0002	-.0032
#2	-.0008	.4193	.9848	2.665	.0434	-.0114	3.358	-.0004	-.0022
#3	.0004	.3932	.9603	2.641	.0437	-.0103	3.297	-.0003	-.0035
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.076	0.055	2.312	-0.012	0.119	0.000	-0.098	0.008	0.275
Stddev	.0072	.0026	.001	.0011	.0006	.0002	.0064	.0004	.0004
%RSD	94.73	47.19	0.466	86.36	.5000	714.0	65.34	57.18	1.624
#1	-.0147	.0075	2.313	-.0023	.1120	.0002	-.0043	.0010	.0280
#2	-.0004	.0026	2.311	-.0001	.1112	-.0002	-.0169	.0003	.0271
#3	-.0076	.0064	2.313	-.0013	.1123	.0001	-.0083	.0010	.0275
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2187.3	4682.5	42596.	5670.1					
Stddev	3.4	2.9	102.	23.0					
%RSD	.15770	.06293	.24028	.40579					
#1	2183.5	4683.0	42711.	5664.5					
#2	2188.0	4679.3	42516.	5650.4					
#3	2190.2	4685.1	42561.	5695.3					

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Sample Name: MP30977-PS1 Acquired: 10/17/2016 10:53:29 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.496	2.925	1.100	3.147	0.569	29.37	0.565	0.574	0.592
Stddev	.0004	.002	.0003	.0003	.0003	.07	.0002	.0003	.0005
%RSD	.8031	.0527	.2783	.0998	.5347	.2302	.4211	.4855	.8338
#1	.0492	2.925	1.100	.3150	.0567	29.42	.0565	.0571	.0588
#2	.0495	2.926	1.097	.3144	.0573	29.30	.0563	.0575	.0598
#3	.0500	2.923	1.103	.3146	.0569	29.41	.0568	.0577	.0590
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.147	3.941	11.88	8.363	1.025	11.15	14.72	1.124	0.526
Stddev	.0003	.010	.06	.051	.0003	.0004	.05	.0003	.0003
%RSD	.2982	.2616	.5191	.6054	.3266	.3400	.3268	.2405	.5184
#1	1.143	3.931	11.83	8.358	1.024	11.14	14.71	1.123	.0523
#2	1.149	3.951	11.95	8.315	1.029	11.11	14.78	1.122	.0528
#3	1.149	3.940	11.87	8.416	1.022	11.19	14.68	1.127	.0527
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.150	1.079	2.423	0.546	1.690	1.135	1.060	0.545	0.284
Stddev	.0005	.0020	.001	.0003	.0004	.0005	.0003	.0004	.0011
%RSD	.4102	1.828	0.349	.4780	.2491	.4500	.2932	.7774	.3685
#1	1.149	1.098	2.423	.0547	1.691	1.129	1.059	0.548	.2883
#2	1.146	1.059	2.424	.0543	1.694	1.138	1.057	0.548	.2874
#3	1.155	1.079	2.422	.0548	1.686	1.138	1.063	0.541	.2895
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2097.1	4566.0	42020.	5678.1					
Stddev	2.5	4.9	81.	17.4					
%RSD	.12140	.10817	.19393	.30616					
#1	2094.7	4565.9	42017.	5658.3					
#2	2096.7	4561.1	41941.	5690.8					
#3	2099.8	4571.0	42104.	5685.1					

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7.3
7

Sample Name: CCV Acquired: 10/17/2016 10:57:48 Type: QC
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2525	40.67	1.952	2.038	1.985	41.66	1.998	2.000	1.999
Stddev	.0013	.10	.005	.006	.002	.05	.004	.004	.007
%RSD	.5067	.2402	.2659	.2848	.0787	.1109	.2099	.1774	.3466
#1	.2511	40.56	1.946	2.034	1.983	41.67	1.996	1.998	1.991
#2	.2531	40.74	1.952	2.044	1.986	41.71	1.994	1.997	2.004
#3	.2535	40.70	1.957	2.035	1.985	41.62	2.002	2.004	2.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.961	40.15	40.84	40.91	2.031	1.986	40.75	1.961	1.967
Stddev	.004	.05	.01	.11	.003	.005	.04	.003	.003
%RSD	.2120	.1125	.0254	.2794	.1382	.2414	.1100	.1592	.1526
#1	1.978	40.12	40.83	40.79	2.028	1.984	40.70	1.978	1.967
#2	1.979	40.20	40.84	41.02	2.033	1.982	40.74	1.980	1.964
#3	1.986	40.13	40.85	40.91	2.032	1.991	40.79	1.984	1.970

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.962	1.962	2.283	2.006	1.979	1.965	1.971	1.972	2.035
Stddev	.004	.009	.007	.002	.004	.004	.004	.002	.004
%RSD	.2088	.4547	.3202	.0884	.1765	.2135	.1788	.0965	.1870
#1	1.965	1.957	2.276	2.007	1.975	1.960	1.971	1.970	2.037
#2	1.957	1.957	2.290	2.004	1.982	1.968	1.968	1.974	2.031
#3	1.963	1.972	2.284	2.007	1.978	1.968	1.975	1.973	2.037

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

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Sample Name: CCV Acquired: 10/17/2016 10:57:48 Type: QC
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1952.4	4482.8	40890.	5580.5
Stddev	1.3	5.1	244.	5.4
%RSD	.06781	.11273	.59566	.09742
#1	1952.7	4488.6	41169.	5586.6
#2	1953.6	4480.9	40778.	5576.2
#3	1951.0	4479.0	40723.	5578.6

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Sample Name: CCB Acquired: 10/17/2016 11:01:59 Type: QC
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include Units, Avg, Stddev, %RSD, and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Units, Avg, Stddev, %RSD, and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Units, Avg, Stddev, %RSD, and #1-3.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: CCB Acquired: 10/17/2016 11:01:59 Type: QC
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Cts/S, Avg, Stddev, %RSD, and #1-3.

Table with 5 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Cts/S, Avg, Stddev, %RSD, and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Units, Avg, Stddev, %RSD, and #1-3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Units, Avg, Stddev, %RSD, and #1-3.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: MP30977-S1 Acquired: 10/17/2016 11:06:31 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD, and #1-3.

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD, and #1-3.

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD, and #1-3.

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD, and #1-3.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD, and #1-3.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD, and #1-3.

Table with 4 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD, and #1-3.

Table with 4 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD, and #1-3.

Sample Name: MP30977-S2 Acquired: 10/17/2016 11:10:42 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD, and #1-3.

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD, and #1-3.

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD, and #1-3.

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD, and #1-3.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD, and #1-3.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD, and #1-3.

Table with 4 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD, and #1-3.

Table with 4 columns: Int. Std. Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD, and #1-3.

Sample Name: FA37666-6 Acquired: 10/17/2016 11:14:54 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	2852	-0.008	0.146	0.001	9.733	0.001	0.001	0.016
Stddev	0.002	0.020	0.008	0.002	0.001	0.001	0.001	0.001	0.001
%RSD	104.3	6868	92.04	1.671	111.3	0.108	92.29	53.49	7.579

#1	-0.003	2830	-0.001	0.144	0.000	9.734	0.001	0.001	0.017
#2	-0.004	2869	-0.016	0.147	0.000	9.733	0.000	0.001	0.016
#3	0.000	2857	-0.007	0.148	0.001	9.732	0.000	0.002	0.015

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.003	3069	5.022	9.156	0.126	-0.017	1.030	0.011	-0.006
Stddev	0.001	0.028	0.221	0.065	0.000	0.001	0.004	0.001	0.007
%RSD	23.50	0.9278	4.395	0.7073	0.745	8.044	0.3545	5.124	111.2

#1	-0.003	3101	4.893	9.114	0.126	-0.017	1.027	0.011	-0.005
#2	-0.003	3046	5.277	9.122	0.126	-0.016	1.030	0.010	-0.013
#3	-0.002	3060	4.896	9.230	0.126	-0.018	1.034	0.010	0.000

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.004	0.011	2.580	0.002	0.0585	0.044	-0.018	0.013	0.069
Stddev	0.008	0.011	0.005	0.002	0.002	0.007	0.001	0.001	0.007
%RSD	183.8	102.2	0.1938	112.0	0.3340	4.543	41.28	10.57	8.891

#1	-0.013	0.019	2.579	0.000	0.0583	0.046	-0.011	0.011	0.069
#2	0.003	0.017	2.575	0.003	0.0586	0.045	-0.017	0.013	0.070
#3	-0.004	-0.002	2.585	0.003	0.0587	0.042	-0.026	0.014	0.069

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2172.3	4661.0	42888.	5739.2
Stddev	3.4	6.4	212.	23.9
%RSD	0.15706	0.13729	0.49476	0.41674

#1	2171.9	4655.3	42858.	5735.8
#2	2175.9	4667.9	43114.	5717.1
#3	2169.1	4659.7	42693.	5764.6

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Sample Name: FA37666-7 Acquired: 10/17/2016 11:19:25 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.000	5.071	-0.002	0.096	0.000	4.616	0.000	0.001	0.045
Stddev	0.002	0.026	0.010	0.002	0.000	0.035	0.000	0.000	0.001
%RSD	406.1	5.221	597.3	2.507	219.0	0.7636	182.0	37.36	2.512

#1	-0.001	5.102	0.009	0.093	0.001	4.606	0.001	0.001	0.044
#2	0.001	5.052	-0.005	0.098	0.000	4.586	0.000	0.001	0.044
#3	0.002	5.060	-0.010	0.098	0.000	4.655	0.000	0.001	0.046

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.003	8.160	3.513	7.411	0.207	-0.019	4.261	0.013	0.001
Stddev	0.002	0.037	0.128	0.228	0.001	0.001	0.027	0.001	0.004
%RSD	81.63	0.4561	3.651	3.072	0.4401	7.722	0.6264	9.358	341.2

#1	0.000	8.135	3.661	7.593	0.206	-0.021	4.238	0.012	-0.003
#2	0.005	8.141	3.443	7.156	0.208	-0.018	4.256	0.014	0.005
#3	0.003	8.203	3.435	7.485	0.206	-0.019	4.290	0.013	0.001

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.007	0.012	2.645	0.002	0.122	0.090	-0.018	0.021	0.090
Stddev	0.013	0.015	0.009	0.001	0.001	0.004	0.017	0.002	0.001
%RSD	196.6	122.4	0.3514	48.47	1.078	4.107	96.55	7.756	9.303

#1	-0.001	0.029	2.651	0.002	0.123	0.089	-0.032	0.022	0.091
#2	0.003	0.001	2.649	0.001	0.120	0.087	0.001	0.019	0.089
#3	-0.022	0.006	2.634	0.004	0.122	0.094	-0.023	0.022	0.090

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2166.2	4684.5	43156.	5767.9
Stddev	2.9	11.5	105.	56.2
%RSD	0.13492	0.24648	0.24353	0.97431

#1	2163.0	4671.6	43153.	5773.1
#2	2168.7	4687.9	43262.	5821.3
#3	2166.9	4693.9	43052.	5709.3

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7.3
7

Sample Name: FA37649-1 Acquired: 10/17/2016 11:23:55 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.020	0.831	0.042	0.084	-0.002	717.7	-0.001	-0.002	0.008
Stddev	0.010	0.171	0.026	0.002	0.003	2.5	0.001	0.001	0.012
%RSD	49.90	20.55	60.49	2.775	159.8	0.3540	114.9	60.39	141.4

#1	0.008	0.840	0.053	0.086	0.001	719.9	-0.003	-0.001	0.022
#2	0.026	0.996	0.013	0.084	-0.002	718.2	-0.001	-0.001	0.002
#3	0.025	0.655	0.061	0.081	-0.004	714.9	0.000	-0.003	0.001

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.001	-0.166	26.49	135.1	0.004	0.462	F 3264.	-0.002	-0.033
Stddev	0.011	0.097	0.23	0.8	0.002	0.005	41.	0.005	0.043
%RSD	914.7	58.71	0.8843	0.6014	49.38	1.089	1.260	287.9	133.3

#1	0.002	-0.221	26.36	135.9	0.002	0.465	3273.	0.000	-0.057
#2	0.011	-0.053	26.35	135.1	0.004	0.464	3300.	-0.007	-0.058
#3	-0.010	-0.223	26.76	134.2	0.005	0.456	3219.	0.002	0.018

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.061	0.342	3.235	-0.007	9.623	0.027	-0.125	0.087	0.196
Stddev	0.028	0.068	0.01	0.013	0.09	0.001	0.023	0.004	0.003
%RSD	45.84	19.96	0.361	177.9	0.913	5.308	18.09	5.027	1.509

#1	-0.072	0.273	3.235	-0.020	9.632	0.026	-0.107	0.083	0.195
#2	-0.082	0.409	3.237	-0.006	9.614	0.028	-0.118	0.092	0.194
#3	-0.029	0.344	3.234	0.005	9.624	0.026	-0.151	0.086	0.199

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1816.7	4249.4	37344.	5377.6
Stddev	6.0	4.6	118.	36.4
%RSD	0.32862	0.10811	0.31644	0.67651

#1	1809.9	4244.3	37351.	5335.6
#2	1818.9	4251.0	37458.	5397.6
#3	1821.2	4253.0	37222.	5399.6

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Sample Name: FA37649-2 Acquired: 10/17/2016 11:28:35 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.013	2.500	0.082	0.108	-0.006	674.2	-0.002	-0.007	0.006
Stddev	0.008	0.268	0.036	0.004	0.002	3.1	0.002	0.003	0.002
%RSD	56.14	10.73	43.98	4.096	29.19	0.4648	136.3	41.04	31.78

#1	0.005	2.230	0.041
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Sample Name: FA37649-3 Acquired: 10/17/2016 11:33:12 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	.0011	.1871	.0741	.0127	-0.0004	826.2	-0.0003	.0000	-0.0004
Stddev	.0007	.0349	.0016	.0009	.0001	1.7	.0002	.001	.0008
%RSD	65.70	18.64	2.192	7.171	26.50	.2004	57.59	3092.	211.4
#1	.0007	.2099	.0722	.0135	-0.0003	824.5	-0.0005	-0.0001	-0.0010
#2	.0007	.2044	.0752	.0117	-0.0004	826.1	-0.0003	.0006	.0005
#3	.0020	.1470	.0749	.0129	-0.0005	827.8	-0.0002	-0.0005	-0.0006
Elem	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_2243)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.0010	.0041	36.79	178.4	.0548	0.360	F 6220.	.0022	-0.0089
Stddev	.0009	.0103	.05	.2	.0003	.0008	58.	.0004	.0025
%RSD	94.37	254.2	.1241	.1080	.4807	2.142	.9360	16.44	28.05
#1	.0004	.0046	36.75	178.3	.0547	0.366	6280.	.0023	-0.0084
#2	.0020	.0141	36.84	178.6	.0551	.0351	6216.	.0025	-0.0067
#3	.0005	-.0065	36.78	178.4	.0547	.0362	6164.	.0018	-0.1117
Elem	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	-0.0025	.0210	7.770	.0015	10.63	.0022	.0006	.0333	.0318
Stddev	.0035	.0095	.012	.0018	.04	.0008	.0038	.0012	.0006
%RSD	142.0	45.16	.1579	115.7	.3683	36.47	609.5	3.585	1.779
#1	-0.0054	.0309	7.766	.0008	10.60	.0014	.0050	.0347	.0315
#2	.0014	.0119	7.783	.0002	10.61	.0030	-0.0017	.0327	.0324
#3	-0.0035	.0202	7.760	.0036	10.67	.0022	-0.0015	.0326	.0314
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1696.1	4039.4	3492.1	5196.0					
Stddev	3.5	3.6	116.	2.6					
%RSD	.20811	.08938	.33201	.05084					
#1	1693.5	4037.7	35055.	5196.8					
#2	1700.1	4043.6	34856.	5193.1					
#3	1694.7	4037.0	34853.	5198.2					

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Sample Name: FA37649-4 Acquired: 10/17/2016 11:37:50 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	.0005	.2996	.0175	.0142	-0.0003	795.3	.0000	-0.0003	.0005
Stddev	.0010	.0444	.0020	.0011	.0000	1.4	.000	.0004	.0009
%RSD	199.4	14.83	11.69	7.908	12.50	.1713	629.1	117.6	174.2
#1	-0.0007	.3121	.0194	.0145	-0.0004	796.6	-0.0002	-0.0005	.0010
#2	.0011	.2502	.0154	.0150	-0.0003	795.5	.0000	-0.0006	-0.0005
#3	.0011	.3364	.0178	.0129	-0.0003	793.9	.0002	.0001	.0011
Elem	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_2243)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.0026	.0584	23.51	179.8	.0170	.0157	F 3142.	.0014	-0.0031
Stddev	.0007	.0063	.11	.4	.0003	.0005	25.	.0002	.0019
%RSD	28.74	10.81	.4691	.2061	1.496	3.254	.8090	14.41	61.94
#1	.0033	.0521	23.62	179.7	.0167	.0152	3162.	.0011	-0.0009
#2	.0026	.0584	23.50	180.3	.0171	.0155	3150.	.0015	-0.0038
#3	.0018	.0647	23.40	179.6	.0172	.0162	3113.	.0014	-0.0046
Elem	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_3710)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	-0.0022	.0461	8.817	.0005	10.58	.0046	-0.0072	.0160	.0232
Stddev	.0041	.0010	.033	.0010	.03	.0009	.0076	.0003	.0003
%RSD	187.4	2.126	.3690	191.2	.2916	19.52	105.4	2.014	1.424
#1	-0.0048	.0457	8.794	-0.0006	10.61	.0055	-0.0139	.0162	.0235
#2	-0.0042	.0472	8.803	.0008	10.55	.0045	-0.0090	.0162	.0229
#3	.0025	.0454	8.854	.0014	10.58	.0037	.0011	.0156	.0234
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1801.8	4204.5	37258.	5316.5					
Stddev	2.6	10.8	83.	16.4					
%RSD	.14683	.25619	.22296	.30787					
#1	1804.1	4207.0	37277.	5320.8					
#2	1802.4	4213.7	37168.	5298.4					
#3	1798.9	4192.6	37331.	5330.3					

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7.3
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Sample Name: FA37649-5 Acquired: 10/17/2016 11:42:30 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	
Avg	.0014	.2002	.0040	.0211	-0.0003	1319.	-0.0003	.0002	
Stddev	.0005	.0211	.0057	.0003	.0002	4.	.0002	.0002	
%RSD	37.90	10.55	141.2	1.195	61.45	.2831	47.01	106.9	
#1	.0020	.2046	.0093	.0211	-0.0003	1319.	-0.0002	.0004	
#2	.0011	.2188	.0048	.0208	-0.0002	1323.	-0.0005	.0000	
#3	.0010	.1773	-.0020	.0213	-0.0006	1315.	-0.0003	.0001	
Elem	Cr2677 (Y_3600)	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_2243)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	
Avg	-0.0009	.0017	-0.0364	93.86	359.9	.1007	.1087	F 11740.	
Stddev	.0003	.0008	.0080	.78	.6	.0002	.0014	207.	
%RSD	30.65	49.48	21.92	.8309	.1593	.2078	1.294	1.763	
#1	-0.0006	.0026	-0.0452	93.03	359.6	.1005	.1083	11950.	
#2	-0.0011	.0014	-0.0345	94.58	360.5	.1009	.1102	11740.	
#3	-0.0011	.0010	-0.0296	93.98	359.5	.1008	.1075	11530.	
Elem	Ni2316 (Y_2243)	Pb2203 (In2306)	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	
Avg	.0007	-0.0115	-0.0041	.0176	2.468	-0.0011	F 24.02	-0.0048	
Stddev	.0004	.0037	.0097	.0082	.001	.0016	.07	.0005	
%RSD	63.21	32.39	235.0	46.44	.0489	140.1	.2783	10.88	
#1	.0003	-.0124	-.0151	.0216	2.470	.0007	24.06	-0.0048	
#2	.0005	-.0147	-.0032	.0230	2.467	-0.0020	23.95	-0.0053	
#3	.0012	-.0074	-.0004	.0082	2.468	-0.0021	24.07	-0.0042	
Elem	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)						
Avg	-0.0089	.0039	.0775						
Stddev	.0069	.0017	.0007						
%RSD	77.44	43.22	.8861						
#1	-0.0015	.0020	.0767						
#2	-0.0151	.0052	.0779						
#3	-0.0101	.0047	.0779						

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Sample Name: FA37649-5 Acquired: 10/17/2016 11:42:30 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1455.4	3602.5	30612.	4932.5
Stddev	2.6	4.9	34.	2.6
%RSD	.17814	.13610	.11176	.05365
#1	1457.9	3601.8	30573.	4932.1
#2	1455.7	3607.8	30634.	4930.1
#3	1452.7	3598.0	30630.	4935.3

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Sample Name: FA37649-6 Acquired: 10/17/2016 11:47:25 Type: Unk
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0010	.0729	.0941	.0123	-0.004	686.7	-0.001	.0003	.0011
Stddev	.0010	.0504	.0017	.0001	.0001	4.3	.0000	.0008	.0015
%RSD	96.81	69.13	1.848	.5200	28.50	.6286	34.22	233.9	132.5
#1	.0013	.1148	.0921	.0123	-0.002	689.1	-0.001	.0008	.0027
#2	-0.001	.0170	.0950	.0124	-0.004	681.8	-0.002	.0008	.0007
#3	.0018	.0867	.0953	.0122	-0.004	689.4	-0.001	-0.005	-0.001

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0041	6886	50.68	104.0	.1126	1308	F 6404.	.0031	-0.0041
Stddev	.0015	.0099	.28	.9	.0003	.0013	.49	.0006	.0032
%RSD	35.27	1.433	.5529	.8857	.2967	1.030	.7663	19.65	78.42
#1	.0027	6915	50.71	104.2	.1130	1297	6434.	.0027	-0.009
#2	.0056	6967	50.39	103.0	.1123	1303	6347.	.0038	-0.041
#3	.0041	6776	50.95	104.8	.1126	1323	6430.	.0029	-0.073

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0064	.0261	2.609	.0007	8.877	.0014	-0.0093	.0365	.0370
Stddev	.0034	.0058	.004	.0025	.041	.0009	.0030	.0010	.0001
%RSD	53.85	22.34	.1342	351.1	.4625	61.00	32.48	2.609	.3664
#1	-0.0094	.0259	2.612	-0.011	8.921	.0024	-0.112	.0372	.0371
#2	-0.0070	.0204	2.605	.0036	8.869	.0008	-0.108	.0369	.0369
#3	-0.0026	.0321	2.610	-0.004	8.840	.0011	-0.058	.0354	.0370

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1666.9	3972.2	34269.	5235.5
Stddev	4.5	4.8	151.	44.5
%RSD	.26726	.12193	.44139	.84911
#1	1661.8	3967.9	34095.	5222.8
#2	1670.2	3977.5	34371.	5285.0
#3	1668.7	3971.1	34340.	5198.8

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Sample Name: CCV Acquired: 10/17/2016 11:52:02 Type: QC
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1918.5	4406.9	40085.	5486.6
Stddev	6.2	9.3	252.	49.7
%RSD	.32280	.21167	.62883	.90506
#1	1921.7	4406.6	39870.	5469.3
#2	1911.4	4397.7	40023.	5448.0
#3	1922.5	4416.4	40362.	5542.7

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Sample Name: CCV Acquired: 10/17/2016 11:52:02 Type: QC
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2533	41.20	1.981	2.041	2.009	41.66	2.022	2.019	2.043
Stddev	.0003	.14	.001	.009	.004	.27	.002	.002	.008
%RSD	.1308	.3315	.0503	.4279	.2113	.6452	.1202	.1056	.3717
#1	.2533	41.35	1.981	2.050	2.014	41.91	2.022	2.018	2.051
#2	.2535	41.17	1.982	2.034	2.006	41.70	2.025	2.021	2.042
#3	.2529	41.09	1.980	2.038	2.007	41.37	2.020	2.018	2.036

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.013	40.69	41.36	41.33	2.059	2.008	39.82	2.007	1.994
Stddev	.002	.15	.10	.33	.001	.001	.09	.001	.005
%RSD	.1211	.3604	.2352	.8018	.0313	.0310	.2287	.0641	.2705
#1	2.011	40.84	41.46	41.29	2.060	2.008	39.92	2.008	1.989
#2	2.012	40.69	41.27	41.68	2.059	2.008	39.75	2.008	2.000
#3	2.016	40.54	41.36	41.03	2.060	2.007	39.80	2.006	1.993

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.983	1.995	2.304	2.018	2.015	2.020	1.996	2.012	2.047
Stddev	.004	.001	.002	.002	.005	.005	.002	.002	.005
%RSD	.1774	.0390	.0876	.1077	.2528	.2734	.1206	.0811	.2262
#1	1.986	1.996	2.304	2.016	2.020	2.026	1.993	2.014	2.044
#2	1.979	1.994	2.302	2.020	2.010	2.016	1.997	2.011	2.053
#3	1.985	1.995	2.306	2.018	2.015	2.019	1.998	2.011	2.045

Check ?	Value	Range
Check ?	Chk Pass	Chk Pass
Value	Chk Pass	Chk Pass
Range	Chk Pass	Chk Pass

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.983	1.995	2.304	2.018	2.015	2.020	1.996	2.012	2.047
Stddev	.004	.001	.002	.002	.005	.005	.002	.002	.005
%RSD	.1774	.0390	.0876	.1077	.2528	.2734	.1206	.0811	.2262
#1	1.986	1.996	2.304	2.016	2.020	2.026	1.993	2.014	2.044
#2	1.979	1.994	2.302	2.020	2.010	2.016	1.997	2.011	2.053
#3	1.985	1.995	2.306	2.018	2.015	2.019	1.998	2.011	2.045

Check ?	Value	Range
Check ?	Chk Pass	Chk Pass
Value	None	Chk Pass
Range	Chk Pass	Chk Pass

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Sample Name: CCB Acquired: 10/17/2016 11:56:13 Type: QC
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0057	.0000	.0002	.0002	.0075	.0001	.0002	.0001
Stddev	.000	.0100	.001	.0002	.0001	.0045	.0000	.0001	.0002
%RSD	421.7	174.0	4241.	101.6	31.88	60.15	31.07	46.25	163.0
#1	-0.002	-0.040	.0011	.0000	.0002	.0064	.0002	.0002	.0000
#2	.0000	.0052	-0.004	.0003	.0003	.0037	.0001	.0002	.0003
#3	.0000	.0160	-0.008	.0004	.0002	.0125	.0001	.0001	.0000

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0016	.1347	-0.0286	.0003	-0.004	.3004	.0001	-0.0001
Stddev	.000	.0033	.0114	.0194	.0001	.0004	.0018	.0000	.0004
%RSD	2082.	204.8	8.475	67.86	28.37	88.75	.5841	22.17	408.9
#1	.0000	-0.013	.1229	-0.169	.0002	.0000	.2987	.0001	-0.001
#2	.0000	.0009	.1457	-0.0510	.0003	-0.0006	.3022	.0002	-0.0005
#3	-0.0001	.0053	.1357	-0.178	.0002	-0.0007	.3002	.0001	.0003

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	.0010	.0018	.0001	.0002	.0001	-0.0014	.0003	.0000
Stddev	.0010	.0011	.0005	.0001	.0001	.0000	.0014	.0002	.000
%RSD	201.6	111.9	27.94	65.48	29.30	32.05	101.3	45.11	130.3
#1	-0.0006	-0.0003	.0013	.0001	.0001	.0002	-0.0008	.0003	.0000
#2	.0006	.0015	.0023	.0002	.0002	.0001	-0.0003	.0005	-0.0001
#3	-0.0015	.0017	.0018	.0001	.0002	.0001	-0.0030	.0002	.0000

Check ?	Value	Range
Check ?	Chk Pass	Chk Pass
Value	None	Chk Pass
Range	Chk Pass	Chk Pass

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7.3
7

Sample Name: CCB Acquired: 10/17/2016 11:56:13 Type: QC
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2151.7	4621.9	4196.0	5531.3
Stddev	2.1	1.5	146.	48.9
%RSD	.09557	.03141	.34711	.88401

#1	2152.7	4623.1	4181.1	5529.5
#2	2149.3	4622.4	4210.2	5581.1
#3	2153.0	4620.3	4196.6	5483.3

Sample Name: FA37649-7 Acquired: 10/17/2016 12:00:46 Type: Unk
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	.0008	.0448	.0011	.1380	-.0001	140.2	-.0002	-.0006	.0003
Stddev	.0005	.0397	.0030	.0005	.0002	1.4	.0002	.0000	.0012
%RSD	64.16	88.70	258.4	.3896	430.9	1.004	90.70	6.674	448.3

#1	.0012	.0053	.0033	.1377	-.0001	140.8	.0000	-.0007	-.0010
#2	.0002	.0847	.0024	.1376	-.0002	141.3	-.0003	-.0006	.0014
#3	.0011	.0442	-.0022	.1386	.0002	138.6	-.0003	-.0006	.0004

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_3710)	Na5895 (Y_2243)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.0005	-.0456	1.890	23.47	.0139	.0111	14.72	-.0001	-.0044
Stddev	.0015	.0020	.238	.10	.0002	.0006	.06	.0018	.0011
%RSD	283.0	4.436	12.58	.4370	1.452	5.168	.4192	1728.	25.72

#1	.0011	-.0448	1.956	23.58	.0140	.0107	14.72	.0007	-.0057
#2	-.0012	-.0442	2.087	23.45	.0140	.0118	14.78	.0011	-.0042
#3	.0017	-.0480	1.626	23.37	.0137	.0109	14.66	-.0021	-.0034

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	-.0056	.0073	5.314	.0000	2.602	.0018	-.0099	.0082	.0352
Stddev	.0031	.0091	.018	.0011	.008	.0001	.0033	.0005	.0009
%RSD	54.56	124.5	.3358	3114.	.2973	4.499	33.57	6.001	2.670

#1	-.0021	.0114	5.302	.0013	2.603	.0018	-.0134	.0080	.0342
#2	-.0073	-.0031	5.306	-.0003	2.610	.0017	-.0095	.0087	.0353
#3	-.0074	.0138	5.334	-.0009	2.594	.0017	-.0068	.0078	.0361

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2116.2	4553.5	4143.7	5538.4
Stddev	4.6	9.1	227.	63.8
%RSD	.21539	.19998	.54879	1.1524

#1	2111.3	4563.8	4141.2	5535.7
#2	2120.4	4550.3	4122.3	5476.0
#3	2116.9	4546.5	4167.6	5603.6

Sample Name: FA37649-8 Acquired: 10/17/2016 12:05:16 Type: Unk
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-.0004	.0145	.0029	-.0001	-.0002	.2196	-.0003	-.0004	-.0004
Stddev	.0014	.0242	.0038	.0001	.0003	.0099	.0000	.0001	.0005
%RSD	330.0	166.8	128.0	130.3	120.0	4.515	12.71	25.83	116.8

#1	-.0010	-.0134	-.0012	-.0001	.0000	.2136	-.0003	-.0004	-.0004
#2	-.0013	.0278	.0039	.0000	-.0006	.2142	-.0003	-.0005	.0000
#3	.0011	.0292	.0061	-.0002	-.0002	.2311	-.0003	-.0003	-.0009

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_3710)	Na5895 (Y_2243)	Ni2316 (In2306)	Pb2203 (In2306)
Avg	-.0016	-.0448	.5809	-.0232	.0051	-.0097	.9396	.0010	-.0012
Stddev	.0002	.0061	.1752	.0729	.0003	.0008	.0154	.0002	.0024
%RSD	9.546	13.73	30.15	313.7	6.127	8.108	1.640	15.25	195.8

#1	-.0017	-.0401	.5419	-.0835	.0049	-.0097	.9250	.0012	-.0038
#2	-.0017	-.0425	.7723	-.0439	.0054	-.0104	.9382	.0009	-.0009
#3	-.0014	-.0517	.4285	.0577	.0049	-.0089	.9557	.0010	.0010

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_3710)	Sr4077 (Y_3600)	Ti3349 (In2306)	Tl1908 (Y_3600)	V_2924 (Y_2243)	Zn2062 (Y_2243)
Avg	-.0061	-.0009	.0279	-.0015	.0031	-.0018	-.0036	.0012	.0341
Stddev	.0008	.0075	.0025	.0005	.0002	.0004	.0034	.0007	.0002
%RSD	13.00	800.6	9.056	31.36	5.278	20.11	96.54	58.66	.5317

#1	-.0057	.0049	.0303	-.0014	.0031	-.0022	-.0048	.0020	.0339
#2	-.0070	-.0093	.0253	-.0011	.0033	-.0016	.0003	.0006	.0343
#3	-.0056	.0016	.0283	-.0020	.0030	-.0015	-.0062	.0011	.0341

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2169.7	4654.3	4255.7	5644.0
Stddev	4.6	3.0	95.	18.0
%RSD	.21355	.06522	.22431	.31828

#1	2164.7	4656.2	4265.0	5625.3
#2	2170.4	4650.8	4256.1	5645.6
#3	2173.9	4655.8	4245.9	5661.1

Sample Name: FA37649-9 Acquired: 10/17/2016 12:09:51 Type: Unk
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-.0006	.1060	.0456	.0112	-.0002	768.4	-.0001	.0000	.0027
Stddev	.0020	.0665	.0027	.0005	.0003	3.0	.0000	.0002	.0003
%RSD	327.6	62.77	5.942	4.011	125.6	.3888	66.51	409.3	11.32

#1	-.0010	.1450	.0426	.0113	-.0003	766.0	-.0001	-.0001	.0030
#2	-.0029	.0292	.0479	.0116	-.0004	767.4	-.0001	-.0001	.0024
#3	.0000	.1437	.0462	.0108	.0001	771.8	.0000	.0003	.0026

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.0017	-.0018	45.16	124.6	.0016	2530	F 7861.	.0024	-.0086
Stddev	.0005	.0180	.41	.1	.0003	.0004	64.	.0004	.0021
%RSD	28.45	100.1.	.9073	.0843	21.08	.1722	.8128	16.20	24.45

#1	.0015	.0189	45.11	124.5	.0012	2527	7929.	.0019	-.0110
#2	.0022	-.0099	44.78	124.5	.0019	2529	7851.	.0027	-.0078
#3	.0014	-.0144	45.59	124.7	.0017	2535	7802.	.0024	-.0070

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	-.0044	.0394	2.519	-.0012	10.83	.0020	-.0122	.0179	.0330
Stddev	.0045	.0017	.005	.0019	.03	.0003	.0058	.0003	.0007
%RSD	101.4	4.420	.2058	159.7	.2944	17.04	47.64	1.835	2.184

#1	-.0036	.0402	2.523	-.0020	10.81	.0021	-.0096	.0183	.0324
#2	-.0092	.0406	2.521	-.0025	10.81	.0022	-.0188	.0178	.0338
#3	-.0004	.0374	2.513	.0010	10.86	.0016	-.0081	.0177	.0327

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	1640.9	3944.9	3373.6	5093.7
Stddev	4.2	3.2	32.	12.5
%RSD	.25313	.08108	.09480	.24450

#1	1636.1	3943.5	3373.0	5102.9
#2	1642.9	3942.7	3377.0	5098.5
#3	1643.6	3948.6	3370.7	5079.5

Sample Name: FA37682-6 Acquired: 10/17/2016 12:14:31 Type: Unk
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.009	0.156	0.1437	0.0145	-0.0003	836.3	-0.0004	-0.0002	0.0058
Stddev	0.001	0.0510	0.0018	0.0020	0.0002	3.9	0.0002	0.0004	0.0013
%RSD	6.142	33.62	1.236	14.08	43.55	4720	40.60	176.1	23.12
#1	0.009	0.928	0.1433	0.0143	-0.0003	835.6	-0.0002	-0.0004	0.0061
#2	0.009	1.824	0.1456	0.0126	-0.0005	840.6	-0.0006	0.0002	0.0043
#3	0.008	1.796	0.1421	0.0167	-0.0002	832.8	-0.0004	-0.0005	0.0069
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.018	-0.0014	39.74	280.7	0.0023	0.0529	F 5264	0.0005	-0.0074
Stddev	0.006	0.061	23	9	0.003	0.005	87	0.004	0.0071
%RSD	35.00	431.5	5832	3365	12.28	1.004	1.647	72.96	96.20
#1	0.016	-0.012	39.47	281.4	0.0020	0.0535	5297	0.0006	-0.0069
#2	0.025	0.045	39.85	281.0	0.0026	0.0529	5330	0.0001	-0.0005
#3	0.013	-0.076	39.89	279.6	0.0022	0.0524	5166	0.0008	-0.0147
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	-0.0039	0.3030	2.807	0.0003	12.75	0.0024	-0.0118	0.0466	0.0276
Stddev	0.0050	0.0121	0.005	0.0014	0.04	0.012	0.0222	0.013	0.0005
%RSD	126.0	3.988	0.1812	426.5	343.3	51.41	18.49	2.914	1.956
#1	-0.016	0.3024	2.801	0.007	12.71	0.0032	-0.0135	0.0431	0.0282
#2	-0.096	2.912	2.807	-0.012	12.76	0.010	-0.0124	0.0455	0.0271
#3	-0.006	3.154	2.811	0.015	12.79	0.031	-0.0093	0.0451	0.0275
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1705.7	4033.0	34856.	5116.7					
Stddev	3.7	17.7	140.	26.2					
%RSD	0.21626	0.43915	0.40223	0.51261					
#1	1704.8	4034.9	34911.	5123.9					
#2	1709.8	4049.7	34697.	5087.6					
#3	1702.6	4014.5	34961.	5138.5					

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7.3
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Sample Name: FA37690-1 Acquired: 10/17/2016 12:19:09 Type: Unk
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.008	0.2168	0.3458	0.0126	-0.0006	806.6	-0.0001	-0.0001	-0.0002
Stddev	0.0017	0.0228	0.0070	0.0010	0.0001	1.3	0.0002	0.0007	0.0010
%RSD	205.8	10.52	2.035	8.317	11.31	1581	238.9	560.7	431.4
#1	-0.011	0.2430	0.3377	0.0138	-0.0005	806.5	0.0000	0.0006	-0.0004
#2	-0.019	0.2022	0.3493	0.0119	-0.0005	805.4	-0.0003	-0.0008	-0.0012
#3	0.018	0.2050	0.3504	0.0121	-0.0006	807.9	0.0001	-0.0002	0.0009
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0008	0.0605	34.31	215.1	0.0036	0.0646	F 4786	0.0002	-0.0015
Stddev	0.0008	0.046	25	6	0.002	0.008	55	0.005	0.0046
%RSD	108.0	7.622	7.170	2.786	6.035	1.214	1.146	293.8	309.5
#1	-0.011	0.0654	34.19	215.3	0.0038	0.0652	4823	0.0007	0.0000
#2	-0.014	0.0563	34.16	214.4	0.0036	0.0637	4723	-0.0004	0.0022
#3	0.002	0.0599	34.60	215.5	0.0034	0.0649	4812	0.0002	-0.0066
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	-0.0044	0.2190	3.435	-0.0007	12.04	0.0047	-0.0119	0.0668	0.0274
Stddev	0.0063	0.023	0.001	0.0001	0.03	0.008	0.0052	0.003	0.0002
%RSD	141.3	1.056	0.0207	12.28	2.679	15.93	43.41	4.001	0.6555
#1	0.001	0.2194	3.436	-0.0006	12.02	0.0056	-0.0102	0.0667	0.0273
#2	-0.018	0.2211	3.435	-0.0006	12.03	0.0046	-0.0178	0.0671	0.0272
#3	-0.016	0.2165	3.434	-0.0007	12.08	0.0041	-0.0079	0.0667	0.0276
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1730.3	4106.0	35459.	5124.4					
Stddev	2.8	5.8	100.	23.7					
%RSD	0.16299	0.14188	0.28205	0.46333					
#1	1727.3	4111.5	35345.	5131.4					
#2	1730.6	4106.6	35498.	5143.8					
#3	1732.9	4099.9	35533.	5097.9					

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Sample Name: FA37690-2 Acquired: 10/17/2016 12:23:47 Type: Unk
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.016	0.1591	0.0101	0.0154	-0.0005	903.9	-0.0002	-0.0003	0.0003
Stddev	0.001	0.0120	0.0047	0.0005	0.0003	8	0.0000	0.0006	0.0005
%RSD	7.325	7.517	46.68	3.546	62.39	0.892	17.46	212.4	192.6
#1	0.017	0.1583	0.0131	0.0161	-0.0002	904.3	-0.0002	0.0003	0.0004
#2	0.015	0.1715	0.0047	0.0151	-0.0005	904.4	-0.0003	-0.0008	-0.0003
#3	0.017	0.1476	0.0124	0.0151	-0.0008	903.0	-0.0002	-0.0003	0.0008
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0004	-0.0230	46.53	196.9	0.0028	1.494	F 8483	-0.0007	-0.0110
Stddev	0.0008	0.0139	0.42	6	0.0000	0.007	141.	0.009	0.0058
%RSD	194.1	60.26	0.9054	3.022	5.782	48.18	1.662	117.2	53.14
#1	-0.007	-0.071	46.04	197.5	0.0028	1.487	8600.	0.002	-0.0147
#2	-0.011	-0.0294	46.80	196.3	0.0028	1.493	8523.	-0.0015	-0.0139
#3	0.005	-0.0326	46.74	196.8	0.0028	1.501	8327.	-0.0009	-0.0042
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0062	0.1187	2.770	-0.0012	14.22	0.0009	-0.0042	0.0120	0.0330
Stddev	0.0017	0.0083	0.019	0.0024	0.09	0.007	0.0108	0.0019	0.0004
%RSD	27.11	7.009	0.6749	200.6	6.264	78.92	254.2	15.61	1.142
#1	-0.0076	0.1272	2.750	-0.0001	14.17	0.0017	-0.0022	0.0142	0.0331
#2	-0.0043	0.1106	2.775	-0.0040	14.32	0.0003	-0.0159	0.0110	0.0326
#3	-0.0068	0.1183	2.787	0.0004	14.16	0.0008	0.0054	0.0108	0.0333
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1580.3	3835.1	32599.	5001.1					
Stddev	4.8	20.8	105.	17.5					
%RSD	0.30330	0.54209	0.32284	0.35016					
#1	1584.6	3856.2	32531.	4981.5					
#2	1581.2	3834.5	32546.	5015.0					
#3	1575.1	3814.6	32720.	5006.9					

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Sample Name: FA37690-3 Acquired: 10/17/2016 12:28:26 Type: Unk
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0005	0.1679	0.0164	0.0105	-0.0004	802.3	-0.0003	0.0000	0.0042
Stddev	0.0008	0.0274	0.0040	0.0011	0.0002	4.2	0.0003	0.0006	0.0008
%RSD	160.4	16.32	24.16	10.64	55.98	5.276	78.60	137.0	18.18
#1	-0.0004	0.1504	0.0138	0.0113	-0.0003	806.5	-0.0007	0.0006	0.0040
#2	-0.0007	0.1994	0.0209	0.0092	-0.0002	798.1	-0.0002	-0.0006	0.0050
#3	0.0011	0.1537	0.0144	0.0109	-0.0007	802.5	-0.0001	0.00	

Sample Name: FA37690-4 Acquired: 10/17/2016 12:33:03 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0018	.2575	.0013	.0340	-0.0006	1271.	-0.0005	.0003	.0022
Stddev	.0012	.0505	.0030	.0005	.0003	5.	.0002	.0003	.0012
%RSD	64.63	19.62	228.4	1.529	49.37	.3609	38.47	117.1	55.82
#1	.0019	.2003	.0045	.0345	-0.0007	1275.	-0.0003	.0004	.0031
#2	.0006	.2763	-0.0014	.0335	-0.0003	1266.	-0.0006	.0005	.0026
#3	.0029	.2960	.0008	.0340	-0.0008	1270.	-0.0004	-0.0001	.0008
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0002	.1327	74.72	312.9	.0773	1.107	F 9736.	.0011	-0.0158
Stddev	.0015	.0123	.55	2.3	.0005	.0005	310.	.0011	.0058
%RSD	602.6	9.259	.7381	.7216	.5904	.4559	3.180	106.5	36.72
#1	-0.0016	.1351	74.44	314.9	.0778	1.112	10090.	.0020	-0.0121
#2	-0.0013	.1435	74.37	310.4	.0772	1.102	9567.	-0.0002	-0.0128
#3	-0.0005	.1193	75.36	313.2	.0770	1.108	9547.	.0014	-0.0225
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0045	.0384	2.516	.0016	F 22.59	-0.0016	-0.0144	.0011	.0114
Stddev	.0017	.0038	.007	.0006	.27	.0005	.0074	.0007	.0002
%RSD	36.83	9.964	.2861	.3997	1.207	31.61	51.12	62.33	1.632
#1	-0.0048	.0427	2.514	.0018	22.59	-0.0022	-0.0080	.0018	.0116
#2	-0.0060	.0372	2.524	.0009	22.32	-0.0011	-0.0128	.0011	.0113
#3	-0.0027	.0353	2.510	.0020	22.86	-0.0016	-0.0225	.0004	.0113
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1467.1	3622.7	3096.0	4915.2					
Stddev	2.5	3.8	46.	25.0					
%RSD	.17171	.10560	.14819	.50904					
#1	1464.2	3618.8	3100.7	4895.3					
#2	1469.0	3622.7	3091.6	4943.3					
#3	1468.0	3626.5	3095.6	4907.0					

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Sample Name: FA37690-5 Acquired: 10/17/2016 12:37:59 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0008	.1357	.0137	.0126	-0.0005	762.1	-0.0001	-0.0005	-0.0008
Stddev	.0008	.0221	.0058	.0007	.0005	3.3	.0002	.0004	.0006
%RSD	104.9	16.31	42.10	5.249	106.9	4.264	134.0	85.92	82.03
#1	-0.0006	.1604	.0197	.0127	-0.0010	758.8	-0.0002	-0.0009	-0.0001
#2	-0.0016	.1175	.0130	.0132	.0000	762.3	.0001	-0.0005	-0.0013
#3	-0.0001	.1293	.0083	.0119	-0.0004	765.3	-0.0003	-0.0001	-0.0009
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0004	-0.0232	29.10	165.8	.0257	.0849	F 5492.	.0010	-0.0061
Stddev	.0010	.0128	.15	1.1	.0002	.0012	21.	.0006	.0014
%RSD	292.7	55.06	.5082	.6742	.7821	1.402	.3907	58.50	23.52
#1	.0013	-0.0230	28.96	164.7	.0259	.0861	5491.	.0008	-0.0078
#2	-0.0008	-0.0106	29.09	165.7	.0255	.0850	5472.	.0017	-0.0052
#3	.0005	-0.0361	29.25	167.0	.0257	.0837	5514.	.0006	-0.0054
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0039	.2147	2.865	.0011	10.52	.0025	-0.0068	.0055	.0365
Stddev	.0012	.0028	.007	.0017	.06	.0006	.0048	.0007	.0002
%RSD	29.83	1.321	.2359	145.9	.5301	25.40	71.07	12.64	.6621
#1	-0.0026	.2161	2.873	-0.0005	10.47	.0018	-0.0048	.0062	.0362
#2	-0.0048	.2166	2.863	.0011	10.51	.0031	-0.0032	.0048	.0367
#3	-0.0042	.2115	2.859	.0028	10.58	.0027	-0.0123	.0054	.0365
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1689.9	4016.0	3479.7	5141.9					
Stddev	2.7	8.7	57.	31.7					
%RSD	.15910	.21614	.16407	.61656					
#1	1687.2	4006.7	3473.4	5172.4					
#2	1692.6	4023.9	3481.3	5144.1					
#3	1689.9	4017.5	3484.5	5109.1					

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7.3
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Sample Name: FA37691-3 Acquired: 10/17/2016 12:42:38 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0002	.0029	-0.0004	.0003	-0.0001	.2176	-0.0001	.0001	.0004
Stddev	.0002	.0014	.0003	.0002	.0000	.0025	.0000	.0001	.0000
%RSD	91.16	49.07	58.16	47.85	17.97	1.128	34.24	168.9	10.98
#1	-0.0002	.0026	-0.0006	.0002	-0.0001	.2154	-0.0001	.0000	.0004
#2	-0.0003	.0016	-0.0006	.0005	-0.0001	.2203	-0.0001	.0000	.0005
#3	.0000	.0044	-0.0001	.0003	-0.0001	.2173	-0.0001	.0002	.0004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0004	.0026	1.392	.0127	.0063	-0.0022	.6633	.0004	.0001
Stddev	.0001	.0015	.0305	.0070	.0000	.0001	.0221	.0002	.0001
%RSD	19.54	58.27	21.87	55.58	.4517	3.352	3.333	45.90	198.7
#1	-0.0003	.0040	.1744	.0052	.0064	-0.0021	.6853	.0003	.0001
#2	-0.0004	.0010	.1204	.0137	.0063	-0.0022	.6635	.0003	-0.0001
#3	-0.0005	.0028	.1230	.0191	.0063	-0.0023	.6411	.0006	.0002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0002	.0009	.0190	.0003	.0030	-0.0004	-0.0024	.0003	.0114
Stddev	.0013	.0018	.0004	.0003	.0000	.0000	.0009	.0001	.0001
%RSD	842.3	212.3	2.056	126.1	1.629	9.469	36.50	38.23	.4875
#1	.0013	.0019	.0194	-0.0001	.0029	-0.0004	-0.0024	.0002	.0115
#2	-0.0011	-0.0012	.0187	.0006	.0030	-0.0004	-0.0015	.0004	.0114
#3	-0.0007	.0019	.0188	.0003	.0029	-0.0003	-0.0032	.0002	.0115
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2159.9	4649.8	4235.5	5513.7					
Stddev	3.1	2.8	96.	32.3					
%RSD	.14241	.05956	.22661	.58645					
#1	2156.4	4648.3	4244.5	5507.4					
#2	2161.8	4653.0	4225.4	5548.7					
#3	2161.6	4648.2	4236.5	5484.9					

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Sample Name: CCV Acquired: 10/17/2016 12:47:11 Type: QC
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2532	41.42	1.975	2.050	2.008	41.97	2.023	2.017	2.052
Stddev	.0008	.15	.007	.012	.007	.26	.003	.003	.008
%RSD	.2989	.3638	.3449	.6069	.3523	.6206	.1464	.1658	.3691
#1	.2527	41.57	1.968	2.062	2.015	42.25	2.020	2.013	2.058
#2	.2541	41.43	1.982	2.052	2.006	41.92	2.021	2.018	2.054
#3	.2529	41.27	1.976	2.037	2.001	41.73	2.026	2.019	2.043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.002	40.67	41.72	41.81	2.066	2.004	40.57	2.004	2.004
Stddev	.008	.13	.13	.20	.001	.005	.11	.003	.001
%RSD	.4164	.3085	.3154	.4766	.0594	.2470	.2783	.1645	.0352
#1	2.010	40.76	41.85	41.84	2.067	1.998	40.69	2.000	2.003
#2	2.001	40.72	41.73	41.47	2.067	2.007	40.54	2.004	2.004
#3	1.994	40.53	41.59	41.53	2.065	2.007	40.48	2.007	2.005
Check ?	Chk Pass								

Sample Name: CCV Acquired: 10/17/2016 12:47:11 Type: QC
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1926.4	4445.4	4006.0	5371.8
Stddev	3.2	11.0	176.	25.7
%RSD	.16568	.24743	.43920	.47895
#1	1928.9	4458.0	4001.3	5342.8
#2	1922.8	4438.1	3991.3	5391.9
#3	1927.6	4440.0	4025.5	5380.7

Sample Name: CCB Acquired: 10/17/2016 12:51:22 Type: QC
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0003	.0049	.0009	.0002	.0002	.0035	.0001	.0000	.0002
Stddev	.0002	.0062	.0004	.0002	.0000	.0031	.0000	.0001	.0001
%RSD	65.25	127.8	40.42	97.57	12.02	88.79	83.45	375.1	44.13
#1	.0002	.0023	.0005	.0003	.0002	.0020	.0001	.0001	.0001
#2	.0002	.0003	.0012	.0000	.0002	.0014	.0001	.0000	.0002
#3	.0005	.0120	.0010	.0004	.0002	.0071	.0000	.0000	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-.0001	.0004	.0663	-.0231	.0002	-.0005	.2279	.0001	-.0005
Stddev	.0002	.0018	.0257	.0061	.0000	.0001	.0099	.0001	.0002
%RSD	143.8	478.5	38.74	26.37	6.721	19.70	4.326	66.47	36.78
#1	.0001	.0017	.0406	-.0164	.0002	-.0004	.2359	.0000	-.0006
#2	-.0003	-.0017	.0663	-.0283	.0002	-.0005	.2308	.0001	-.0003
#3	-.0002	.0011	.0919	-.0247	.0001	-.0006	.2169	.0002	-.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	-.0008	.0004	.0014	-.0002	.0001	.0000	-.0013	.0004	-.0001
Stddev	.0007	.0007	.0004	.0002	.0001	.0001	.0008	.0001	.0000
%RSD	91.14	184.7	30.00	95.77	49.14	144.9	62.57	22.53	27.22
#1	-.0007	-.0004	.0019	-.0001	.0001	.0000	-.0020	.0004	-.0001
#2	-.0015	.0005	.0012	-.0001	.0001	.0000	-.0016	.0003	-.0002
#3	-.0001	.0009	.0011	-.0004	.0002	.0001	-.0004	.0005	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.3
7

Sample Name: CCB Acquired: 10/17/2016 12:51:22 Type: QC
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2151.3	4646.6	4184.9	5414.2
Stddev	3.6	5.1	102.	22.8
%RSD	.16632	.10877	.24262	.42023
#1	2152.4	4652.2	4195.3	5395.1
#2	2147.3	4645.1	4175.0	5408.3
#3	2154.2	4642.4	4184.2	5439.4

Sample Name: FA37657-1 Acquired: 10/17/2016 13:05:21 Type: Unk
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	.2990	.0395	.0054	.0000	.0003	5.499	-.0017	.0025	.0216
Stddev	.0033	.0105	.0023	.0017	.0004	.036	.0002	.0003	.0008
%RSD	1.107	26.44	42.56	6374.	122.3	6628	12.95	11.23	3.800
#1	.3022	.0510	.0072	-.0004	.0000	5.531	-.0015	.0028	.0211
#2	.2956	.0371	.0028	-.0014	.0002	5.507	-.0019	.0022	.0211
#3	.2992	.0305	.0062	.0019	.0007	5.460	-.0018	.0026	.0225

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.0047	184.0	86.70	.3701	1.044	-.0039	350.2	.0096	-.0074
Stddev	.0014	.7	.15	.0246	.002	.0007	.4	.0001	.0021
%RSD	30.44	.3875	.1748	6.641	.1766	18.42	.1254	.6166	28.37
#1	.0063	184.7	86.86	.3800	1.042	-.0031	350.6	.0096	-.0089
#2	.0036	184.2	86.56	.3882	1.043	-.0041	350.2	.0095	-.0050
#3	.0041	183.3	86.68	.3421	1.046	-.0045	349.8	.0096	-.0083

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.0024	.0045	.2966	.0076	.0144	.0002	-.0078	.0036	.0668
Stddev	.0028	.0011	.0005	.0020	.0003	.0003	.0029	.0007	.0003
%RSD	117.3	24.36	.1565	26.40	1.928	150.2	36.85	20.25	.4064
#1	.0007	.0055	.2962	.0086	.0141	.0003	-.0046	.0030	.0671
#2	.0008	.0033	.2971	.0053	.0145	-.0001	-.0101	.0044	.0666
#3	.0057	.0047	.2965	.0088	.0146	.0005	-.0088	.0035	.0668

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2028.5	4505.8	4008.1	5306.8
Stddev	3.1	7.7	83.	29.3
%RSD	.15506	.17076	.20793	.55198
#1	2024.9	4497.7	3998.5	5277.0
#2	2030.7	4506.5	4013.8	5307.9
#3	2029.9	4513.1	4011.9	5335.6

Sample Name: FA37623-1 Acquired: 10/17/2016 13:09:52 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	.1123	.0072	.0838	-0.0004	278.2	-0.0003	-0.0008	.0011
Stddev	.0022	.0656	.0022	.0007	.0003	1.0	.0004	.0004	.0008
%RSD	1132.	58.42	29.89	.8881	80.88	.3652	133.5	46.10	75.60
#1	.0026	.1679	.0097	.0833	-0.0008	278.8	-0.0004	-0.0006	.0002
#2	-.0017	.1292	.0064	.0834	-0.0001	277.0	.0001	-0.0006	.0018
#3	-.0004	.0399	.0056	.0846	-0.0003	278.8	-0.0006	-0.0012	.0012
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	-0.0008	19.90	2.790	28.22	.0977	-0.134	378.6	-0.0004	.0064
Stddev	.0013	.04	.165	.18	.0008	.0010	1.1	.0024	.0011
%RSD	155.2	.2079	5.924	.6362	.8167	7.119	.2972	585.6	17.66
#1	-.0017	19.94	2.781	28.16	.0968	-0.141	377.6	-0.0031	.0058
#2	-.0006	19.87	2.960	28.07	.0980	-0.123	378.4	.0015	.0056
#3	-.0014	19.88	2.630	28.42	.0983	-0.138	379.9	.0004	.0077
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.0087	-0.0046	3.279	-0.0009	.5987	.0034	-0.127	.0017	.0554
Stddev	.0021	.0091	.002	.0016	.0022	.0013	.0047	.0014	.0009
%RSD	23.62	198.6	.0640	181.5	.3702	39.86	36.72	83.67	1.585
#1	-.0098	.0058	3.282	.0003	.5965	.0021	-.0090	.0001	.0563
#2	-.0100	-.0112	3.279	-.0028	.5986	.0033	-.0179	.0025	.0554
#3	-.0063	-.0083	3.277	-.0002	.6009	.0048	-.0111	.0026	.0546
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2073.5	4572.1	40799.	5421.0					
Stddev	3.3	17.2	14.	32.5					
%RSD	.15833	.37581	.03338	.59958					
#1	2070.7	4553.6	40805.	5391.9					
#2	2077.1	4587.5	40808.	5456.0					
#3	2072.7	4575.3	40783.	5415.0					

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Sample Name: MP30965-D1 Acquired: 10/17/2016 13:14:22 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0008	.0456	.0091	.0849	-0.0003	292.3	-0.0008	-0.0010	.0012
Stddev	.0015	.0799	.0057	.0011	.0002	1.3	.0001	.0004	.0019
%RSD	194.2	175.5	62.56	1.324	70.29	.4579	18.20	37.32	159.1
#1	.0022	.1182	.0095	.0840	-0.0004	293.6	-0.0007	-0.0011	.0010
#2	.0010	.0586	.0032	.0862	-0.0006	290.9	-0.0007	-0.0014	.0006
#3	-.0008	-.0401	.0146	.0846	-0.0001	292.2	-.0009	-0.0006	.0032
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	-0.0013	20.73	2.948	29.68	.1008	-0.145	393.7	-0.0014	-0.0021
Stddev	.0027	.05	.315	.23	.0005	.0012	.6	.0004	.0031
%RSD	199.0	.2545	10.68	.7875	.4731	8.466	.1644	31.27	149.8
#1	.0011	20.79	3.300	29.92	.1014	-0.136	393.2	-0.0018	-0.0045
#2	-.0009	20.69	2.851	29.45	.1005	-0.159	393.4	-0.0009	-0.0033
#3	-.0042	20.70	2.693	29.66	.1006	-0.140	394.4	-0.0015	.0015
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.0119	-0.0045	3.425	-0.0020	.6219	.0034	-0.106	.0024	.0714
Stddev	.0020	.0156	.011	.0019	.0010	.0009	.0060	.0019	.0005
%RSD	16.41	350.5	.3061	93.82	.1609	25.99	56.32	78.59	.7428
#1	-.0097	-.0203	3.419	-.0017	.6230	.0035	-.0155	.0045	.0720
#2	-.0127	-.0040	3.419	-.0040	.6211	.0042	-.0123	.0010	.0711
#3	-.0134	.0109	3.437	-.0003	.6215	.0025	-.0039	.0017	.0711
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2079.6	4573.2	40875.	5390.8					
Stddev	4.7	4.8	67.	37.7					
%RSD	.22772	.10601	.16375	.69873					
#1	2082.3	4576.4	40804.	5348.6					
#2	2082.5	4575.5	40937.	5420.8					
#3	2074.2	4567.6	40883.	5403.1					

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Sample Name: MP30965-S1 Acquired: 10/17/2016 13:18:53 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0482	30.09	2.072	2.317	.0548	315.6	.0534	.5401	.2243
Stddev	.0010	.18	.017	.005	.0006	.6	.0001	.0012	.0015
%RSD	2.154	.5823	.8240	.1970	1.062	2.005	.1384	.2191	.6581
#1	.0487	29.98	2.057	2.321	.0555	316.3	.0535	.5389	.2231
#2	.0490	30.00	2.068	2.319	.0544	315.4	.0534	.5412	.2260
#3	.0470	30.29	2.091	2.312	.0546	315.1	.0534	.5402	.2240
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2668	49.84	30.50	57.52	.6624	.5166	414.2	.5445	.5194
Stddev	.0015	.06	.28	.13	.0033	.0020	.1	.0026	.0015
%RSD	.5516	.1182	.9280	.2178	.4964	.3923	.0264	.4841	.2804
#1	.2683	49.89	30.73	57.62	.6606	.5149	414.3	.5417	.5210
#2	.2668	49.78	30.19	57.38	.6604	.5188	414.0	.5447	.5185
#3	.2654	49.85	30.60	57.57	.6662	.5160	414.2	.5469	.5185
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5075	2.097	3.366	.5540	1.139	.5471	2.089	.5122	.6183
Stddev	.0045	.009	.017	.0041	.002	.0011	.010	.0023	.0019
%RSD	.8894	.4241	.5055	.7320	.2121	.2050	.4947	.4508	.3103
#1	.5112	2.087	3.347	.5495	1.137	.5484	2.086	.5095	.6174
#2	.5025	2.101	3.370	.5552	1.138	.5463	2.080	.5132	.6170
#3	.5090	2.104	3.380	.5573	1.142	.5466	2.100	.5138	.6205
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2057.8	4579.5	40778.	5343.6					
Stddev	.9	5.1	161.	18.7					
%RSD	.04168	.11230	.39383	.35054					
#1	2057.8	4585.1	40963.	5340.7					
#2	2058.7	4574.9	40685.	5326.4					
#3	2057.0	4578.5	40685.	5363.6					

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Sample Name: MP30965-S2 Acquired: 10/17/2016 13:23:15 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0481	29.94	2.079	2.318	.0551	318.5	.0532	.5407	.2222
Stddev	.0037	.11	.009	.009	.0002	1.1	.0001	.0021	.0021
%RSD	7.645	.3712	.4154	.3953	.3737	.3428	.1805	.3828	.9540
#1	.0516	30.04	2.083	2.311	.0552	317.3	.0533	.5390	.2200
#2	.0443	29.97	2.069	2.329	.0548	319.5	.0532	.5401	.2223
#3	.0483	29.82	2.084	2.315	.0552	318.6	.0532	.5430	.2243
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2647	49.86	30.48	57.49	.6570	.5188	418.1	.5427	.5140
Stddev	.0040	.09	.46	.61	.0013	.0010	.5	.0016	.0028
%RSD	1.500	.1845	1.499	1.068	.1946	.1965	.1252	.2883	.5488
#1	.2619	49.86	30.04	57.02	.6558	.5180	417.7	.5425	.5150
#2	.2692	49.77	30.45	58.19	.6583	.5185	418.7	.5444	.5108
#3	.2629	49.96	30.95	57.28	.6567	.5200	417.8	.5413	.5162
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	

Sample Name: MP30965-PS1 Acquired: 10/17/2016 13:27:37 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.010	.0095	.0033	.0167	-0.004	59.16	-0.010	-0.013	-0.003
Stddev	.0008	.0138	.0037	.0014	.0006	.39	.0003	.0012	.0004
%RSD	79.19	146.0	112.7	8.466	160.6	.6601	32.81	91.64	144.9
#1	-0.001	-0.065	-0.008	.0162	-0.008	59.61	-0.007	-0.005	.0002
#2	-0.014	.0178	.0063	.0183	.0003	58.97	-0.009	-0.028	-0.005
#3	-0.016	.0171	.0044	.0156	-0.006	58.91	-0.014	-0.007	-0.006
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.014	4.113	.9016	5.869	.0200	-0.0205	80.65	.0000	-0.092
Stddev	.0013	.016	.1142	.100	.0000	.0015	.14	.0008	.0008
%RSD	92.52	.3772	12.67	1.697	.1966	7.352	.1764	2868.	8.565
#1	-0.013	4.130	.8423	5.757	.0200	-0.188	80.82	.0008	-0.083
#2	-0.002	4.103	.8293	5.907	.0199	-0.211	80.55	.0002	-0.095
#3	-0.028	4.105	1.033	5.945	.0200	-0.216	80.60	-0.008	-0.098
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.127	.0095	.6966	.0006	.1241	-0.018	-0.016	.0299	.0299
Stddev	.0118	.0216	.0081	.0024	.0013	.0006	.0127	.0012	.0002
%RSD	92.94	226.9	1.161	412.1	1.014	34.90	70.11	76.37	6.363
#1	-0.111	-0.103	.7002	-0.010	.1252	-0.018	-0.249	.0020	.0301
#2	-0.018	.0325	.7023	.0034	.1244	-0.011	-0.258	.0002	.0299
#3	-0.253	.0064	.6873	-0.006	.1228	-0.024	-0.034	.0026	.0297
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2141.8	4634.7	41687.	5509.7					
Stddev	4.6	10.7	82.	34.9					
%RSD	.21296	.23112	.19767	.63339					
#1	2137.2	4623.2	41756.	5470.7					
#2	2146.4	4644.4	41708.	5520.5					
#3	2141.7	4636.5	41596.	5537.9					

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Sample Name: MP30965-SD1 Acquired: 10/17/2016 13:32:10 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 50.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.2388	14.63	.5532	1.887	.2755	1430.	.2761	.2704	.2912
Stddev	.0093	.18	.0367	.006	.0027	7.	.0042	.0023	.0093
%RSD	3.883	1.224	6.637	.2998	.9843	.4728	1.512	.8323	3.179
#1	.2482	14.83	.5154	1.893	.2760	1425.	.2746	.2710	.2952
#2	.2387	14.58	.5555	1.884	.2726	1438.	.2728	.2724	.2977
#3	.2296	14.49	.5888	1.883	.2779	1427.	.2808	.2680	.2806
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5517	117.1	68.52	172.0	.7786	.4665	1960.	.5381	.2478
Stddev	.0206	.7	1.32	2.5	.0008	.0027	6.	.0048	.0112
%RSD	3.742	.5709	1.920	1.444	.1089	.5798	.2868	.8964	4.540
#1	.5312	116.5	68.43	169.2	.7789	.4673	1954.	.5392	.2451
#2	.5515	117.8	67.25	174.0	.7792	.4687	1962.	.5328	.2381
#3	.5725	117.0	69.88	172.8	.7776	.4635	1965.	.5423	.2601
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.5006	.5738	16.78	.2700	3.268	.5658	.5030	.2839	1.737
Stddev	.0187	.0736	.05	.0212	.013	.0077	.0111	.0055	.007
%RSD	3.731	12.83	.2731	7.870	.4086	1.352	2.205	1.920	4.300
#1	.5135	.5121	16.76	.2618	3.253	.5746	.5136	.2809	1.730
#2	.5091	.5540	16.76	.2540	3.276	.5619	.5040	.2902	1.737
#3	.4792	.6553	16.84	.2941	3.275	.5608	.4915	.2807	1.745
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2068.5	4548.3	40831.	5463.8					
Stddev	3.8	2.1	63.	39.5					
%RSD	.18280	.04718	.15413	.72334					
#1	2068.5	4550.1	40827.	5499.8					
#2	2064.6	4545.9	40771.	5421.5					
#3	2072.2	4548.8	40896.	5470.2					

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7.3
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Sample Name: FA37623-3 Acquired: 10/17/2016 13:36:35 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 4.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0005	.0326	.0079	.0721	-0.004	178.7	-0.003	-0.004	.0012
Stddev	.0012	.0138	.0051	.0007	.0001	.2	.0001	.0004	.0007
%RSD	246.0	42.28	64.67	.9563	13.56	.1268	36.23	116.1	62.74
#1	-0.007	.0484	.0020	.0725	-0.004	178.8	-0.002	.0000	.0020
#2	.0005	.0264	.0106	.0713	-0.004	178.5	-0.004	-0.008	.0008
#3	.0017	.0231	.0113	.0725	-0.003	178.9	-0.002	-0.003	.0007
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.012	1.103	8.910	54.44	.0321	-0.042	120.3	.0009	.0000
Stddev	.0005	.008	.017	.22	.0003	.0001	.2	.0005	.0056
%RSD	41.15	.7100	.1939	.4020	.9553	2.046	.1824	55.64	63370.
#1	-0.014	1.112	8.916	54.24	.0318	-0.043	120.0	.0004	.0008
#2	-0.007	1.100	8.890	54.41	.0324	-0.042	120.4	.0011	.0052
#3	-0.016	1.097	8.923	54.68	.0321	-0.041	120.4	.0014	-0.0060
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.062	.0035	2.801	-0.003	.4818	.0017	-0.0057	.0029	.0274
Stddev	.0037	.0033	.008	.0004	.0008	.0001	.0032	.0005	.0002
%RSD	58.84	95.47	.2762	136.7	.1710	7.342	56.34	17.05	.7152
#1	-0.053	.0011	2.797	-0.002	.4813	.0016	-0.059	.0032	.0272
#2	-0.031	.0073	2.795	-0.008	.4814	.0015	-0.024	.0023	.0276
#3	-0.103	.0021	2.809	.0000	.4828	.0018	-0.087	.0032	.0274
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2055.1	4515.8	40475.	5382.8					
Stddev	6.0	7.5	218.	4.2					
%RSD	.29094	.16530	.53777	.07794					
#1	2050.6	4508.8	40281.	5386.9					
#2	2061.9	4523.7	40435.	5378.6					
#3	2052.9	4515.1	40711.	5383.0					

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Sample Name: FA37623-4 Acquired: 10/17/2016 13:41:05 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 4.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	.1493	.0000	.0226	-0.004	154.1	-0.002	.0025	.0014
Stddev	.0013	.0157	.0031	.0006	.0001	.4	.0002	.0002	.0008
%RSD	657.1	10.51	10650.	2.506	19.30	.2283	80.33	5.988	57.65
#1	.0017	.1673	.0026	.0233	-0.004	153.7	-0.003	.0027	.0008
#2	-0.004	.1384	.0009	.0223	-0.005	154.1	.0000	.0026	.0010
#3	-0.007	.1423	-0.034	.0223	-0.003	154.4	-0.004	.0024	.0022
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0097	.4714	9.168	46.36	.0085	-0.070	167.8	.0051	.0003
Stddev	.0007	.0013	.017	.19	.0002	.0003	.5	.0005	.0013
%RSD	7.203	.2734	1.825	.4062	2.356	4.610	.3074	10.70	396.3

Sample Name: FA37650-1 Acquired: 10/17/2016 13:45:37 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 20.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	37.36	.0306	.1908	-0.0017	20.54	-0.0010	.0043	.0687
Stddev	.0055	.19	.0047	.0032	.0006	.09	.0009	.0000	.0024
%RSD	19700.	4963	15.52	1.666	38.05	4.412	89.40	.7134	3.421
#1	.0062	37.42	.0254	.1932	-.0013	20.55	-.0019	.0043	.0660
#2	-.0018	37.15	.0347	.1919	-.0024	20.63	-.0002	.0043	.0700
#3	-.0043	37.50	.0315	.1872	-.0014	20.45	-.0008	.0043	.0701
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0113	15.05	80.55	36.42	.0866	.2793	1576.	.0935	.0161
Stddev	.0027	.04	.59	.38	.0007	.0009	4.	.0023	.0063
%RSD	24.20	.2588	.7355	1.043	.8407	.3288	.2848	2.495	39.09
#1	.0123	15.08	80.83	36.73	.0874	.2790	1581.	.0910	.0231
#2	.0134	15.01	79.87	36.54	.0864	.2785	1573.	.0939	.0109
#3	.0082	15.07	80.96	36.00	.0860	.2803	1575.	.0956	.0143
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0342	.0035	17.28	.0037	.3128	.0582	-.0286	.1040	.1370
Stddev	.0112	.0266	.06	.0033	.0033	.0011	.0229	.0046	.0018
%RSD	32.73	756.6	.3451	91.70	1.050	1.807	80.04	4.429	1.287
#1	-.0472	-.0155	17.22	.0074	.3136	.0585	-.0431	.1083	.1389
#2	-.0278	.0339	17.29	.0027	.3092	.0570	-.0407	.0991	.1355
#3	-.0277	-.0079	17.34	.0009	.3156	.0591	-.0022	.1045	.1366
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2028.7	4540.5	4078.2	5475.9					
Stddev	3.1	10.0	40.	25.8					
%RSD	.15296	.22047	.09740	.47035					
#1	2029.5	4552.0	4079.7	5460.8					
#2	2025.3	4534.7	4073.7	5461.3					
#3	2031.4	4534.7	4081.2	5505.7					

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Sample Name: CCV Acquired: 10/17/2016 13:50:06 Type: QC
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2551	41.48	1.965	2.060	2.005	42.53	2.022	2.021	2.059
Stddev	.0009	.12	.008	.002	.007	.18	.001	.001	.007
%RSD	.3654	.2835	.3891	.1112	.3429	.4172	.0301	.0671	.3315
#1	.2562	41.58	1.962	2.062	2.012	42.73	2.021	2.020	2.064
#2	.2546	41.50	1.974	2.059	2.004	42.47	2.023	2.021	2.062
#3	.2546	41.35	1.960	2.057	1.999	42.40	2.022	2.023	2.051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.007	40.98	41.70	42.26	2.070	2.005	41.18	1.998	2.007
Stddev	.006	.15	.16	.33	.005	.002	.06	.004	.004
%RSD	.2951	.3641	.3812	.7700	.2380	.1176	.1461	.1970	.1881
#1	2.001	41.12	41.88	42.62	2.075	2.002	41.23	1.994	2.011
#2	2.013	40.99	41.67	42.18	2.069	2.006	41.11	2.002	2.005
#3	2.007	40.82	41.56	41.98	2.066	2.007	41.20	1.997	2.005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.964	1.984	2.293	2.036	2.001	2.007	2.007	2.013	2.079
Stddev	.003	.006	.000	.004	.006	.006	.001	.004	.002
%RSD	.1291	.3017	.0163	.1705	.3109	.2886	.0659	.2224	.1100
#1	1.962	1.982	2.293	2.033	2.006	2.008	2.009	2.017	2.081
#2	1.966	1.991	2.293	2.034	2.004	2.012	2.007	2.014	2.077
#3	1.963	1.979	2.293	2.040	1.994	2.001	2.006	2.008	2.081
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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7.3
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Sample Name: CCV Acquired: 10/17/2016 13:50:06 Type: QC
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1904.0	4421.4	3965.2	5316.3
Stddev	1.0	6.9	190.	34.0
%RSD	.05192	.15647	.47942	.63865
#1	1903.0	4427.8	3955.9	5285.9
#2	1905.0	4414.0	3952.6	5310.2
#3	1904.1	4422.3	3987.0	5353.0

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Sample Name: CCB Acquired: 10/17/2016 13:54:17 Type: QC
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0061	.0003	.0001	.0001	.0038	.0001	.0000
Stddev	.0002	.0065	.0002	.0003	.0000	.0002	.0001	.0001
%RSD	164.4	106.8	68.52	246.3	64.53	6.057	138.3	161.4
#1	.0001	.0047	.0001	-.0003	.0001	.0038	.0001	.0000
#2	.0004	.0004	.0003	.0003	.0000	.0036	.0000	.0001
#3	-.0001	.0133	.0004	.0004	.0001	.0041	.0000	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0002	.0008	.0487	-.0133	.0001	-.0005	.0733
Stddev	.0001	.0000	.0011	.0237	.0088	.0000	.0004	.0032
%RSD	318.4	22.49	131.6	48.72	66.12	55.82	76.72	4.378
#1	.0002	-.0002	.0001	.0542	-.0066	.0000	-.0001	.0766
#2	.0000	-.0001	.0020	.0227	-.0101	.0001	-.0005	.0702
#3	.0000	-.0002	.0002	.0692	-.0233	.0001	-.0009	.0731
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0001	-.0004	.0007	.0026	.0001	.0001	-.0001
Stddev	.000	.0004	.0005	.0022	.0003	.0002	.0000	.0001
%RSD	366.2	656.7	122.3	308.3	10.44	155.6	43.99	150.0
#1	.0001	.0003	-.0002	.0014	.0029	.0000	.0001	.0000
#2	-.0001	.0000	-.0000	.0024	.0024	.0003	.0001	.0000
#3	-.0001	-.0005	-.0011	.0025	.0024	.0000	.0001	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

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Sample Name: CCB Acquired: 10/17/2016 13:54:17 Type: QC
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	F -0.0020	0.0003	-0.0001
Stddev	.0005	.0001	.0001
%RSD	24.44	26.14	42.55

#1	-0.0026	0.0004	-0.0001
#2	-0.0018	0.0002	-0.0001
#3	-0.0016	0.0004	-0.0002

Check ?	Chk Fail	Chk Pass	Chk Pass
High Limit	.0020		
Low Limit	-0.0020		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2153.5	4641.1	4205.3	5518.2
Stddev	6.0	16.2	221.	6.9
%RSD	.28064	.34909	.52608	.12424

#1	2158.2	4646.7	41884.	5513.0
#2	2155.6	4653.8	41970.	5515.7
#3	2146.7	4622.8	42303.	5526.0

Sample Name: MP30981-MB1 Acquired: 10/17/2016 13:58:49 Type: QC
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0000	0.0038	-0.0006	0.0005	-0.0001	0.0126	-0.0001	-0.0002	0.0002
Stddev	.000	.0065	.0011	.0001	.0000	.0121	.0000	.0001	.0001
%RSD	957.6	171.2	199.1	24.52	23.92	8.952	27.90	56.90	55.81

#1	-0.0001	-0.0029	-0.0018	.0005	-0.0001	0.0139	-0.0001	-0.0002	.0001
#2	.0000	.0043	.0000	.0004	.0000	0.0121	-0.0001	-0.0001	.0003
#3	.0001	.0101	.0002	.0006	-0.0001	0.0118	-0.0001	-0.0001	.0002

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	-0.0047	0.0341	-0.0237	0.0000	-0.0016	0.0760	-0.0002	0.0002
Stddev	.0001	.0021	.0251	.0180	.000	.0001	.0051	.0002	.0006
%RSD	35.91	43.39	73.50	76.06	70.28	6.357	6.677	68.49	303.8

#1	-0.0005	-0.0068	.0614	-0.0029	.0000	-0.0015	.0702	-0.0002	.0008
#2	-0.0002	-0.0048	.0286	-0.0342	-0.0001	-0.0017	.0795	-0.0001	.0001
#3	-0.0004	-0.0026	.0122	-0.0340	.0000	-0.0017	.0783	-0.0004	-0.0003

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	0.0003	0.0039	0.0002	-0.0001	-0.0003	-0.0018	0.0001	0.0008
Stddev	.0007	.0007	.0001	.0001	.0000	.0000	.0002	.0002	.0001
%RSD	574.1	262.3	1.608	42.56	55.64	15.82	11.78	203.3	9.530

#1	-0.0007	-0.0006	.0039	.0001	-0.0001	-0.0002	-0.0017	.0001	.0008
#2	-0.0004	.0007	.0039	.0002	-0.0001	-0.0003	-0.0016	-0.0001	.0008
#3	.0007	.0007	.0040	.0003	.0000	-0.0002	-0.0020	.0003	.0007

Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

7.3
7

Sample Name: MP30981-MB1 Acquired: 10/17/2016 13:58:49 Type: QC
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2143.9	4637.9	42163.	5492.1
Stddev	1.9	6.3	153.	56.6
%RSD	.09056	.13583	.36259	1.0313

#1	2144.8	4642.9	41989.	5454.8
#2	2145.3	4639.8	42278.	5557.3
#3	2141.7	4630.8	42221.	5464.3

Sample Name: MP30981-B1 Acquired: 10/17/2016 14:03:24 Type: QC
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0464	29.12	1.962	2.179	0.0537	27.87	0.0513	0.5163	0.2129
Stddev	.0001	.14	.003	.004	.0004	.21	.0001	.0006	.0006
%RSD	.2024	4802	.1372	.1646	.6869	.7508	.2492	1.065	2682

#1	.0465	29.09	1.965	2.180	.0535	27.83	.0513	.5164	.2134
#2	.0463	29.28	1.961	2.182	.0541	28.09	.0514	.5168	.2132
#3	.0464	29.00	1.959	2.175	.0534	27.68	.0511	.5157	.2123

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.2627	28.17	27.00	27.01	0.5319	0.5168	26.84	0.5153	0.5006
Stddev	.0009	.10	.06	.27	.0011	.0014	.04	.0019	.0009
%RSD	.3580	.3655	.2329	.9966	.2068	.2679	.1470	.3632	.1749

#1	.2632	28.15	27.06	26.94	.5307	.5172	26.88	.5152	.4997
#2	.2632	28.28	27.00	27.31	.5328	.5153	26.85	.5172	.5007
#3	.2616	28.08	26.93	26.78	.5322	.5180	26.80	.5135	.5015

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.4979	1.994	0.175	0.5331	0.5172	0.5213	1.998	0.4882	0.5285
Stddev	.0016	.002	.0002	.0003	.0010	.0007	.003	.0020	.0012
%RSD	.3292	.1039	1.236	.0562	.1926	.1261	.1255	.4046	.2305

#1	.4995	1.992	.0175	.5332	.5182	.5221	1.999	.4860	.5271
#2	.4962	1.996	.0177	.5327	.5173	.5210	2.000	.4898	.5293
#3	.4979	1.993	.0173	.5332	.5162	.5208	1.995	.4888	.5291

Check ?	Chk Pass	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value Range									

Sample Name: MP30981-B1 Acquired: 10/17/2016 14:03:24 Type: QC
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1988.7	4500.6	40532.	5405.5
Stddev	1.3	8.0	44.	72.3
%RSD	.06373	.17819	.10864	1.3368

#1	1987.9	4491.4	40493.	5413.5
#2	1990.1	4504.0	40523.	5329.7
#3	1988.0	4506.3	40580.	5473.5

Sample Name: FA37647-1 Acquired: 10/17/2016 14:07:37 Type: Unk
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
IS Ref	-0.002	2.230	.0002	.0039	-0.001	.1963	-0.001	-0.002	.0003
Avg	.0002	.004	.0006	.0001	.0001	.0030	.0000	.0001	.0001
Stddev	.0002	.004	.0006	.0001	.0001	.0030	.0000	.0001	.0001
%RSD	78.28	.1764	262.0	3.423	107.9	1.510	26.16	43.19	20.11

#1	.0000	2.234	.0008	.0040	.0000	.1981	-0.001	-0.003	.0002
#2	-0.003	2.229	-0.004	.0038	.0000	.1929	-0.001	-0.002	.0003
#3	-0.004	2.227	.0003	.0040	-0.001	.1979	-0.001	-0.001	.0003

Elem	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
IS Ref	.0001	-0.003	.0929	-0.116	.0004	-0.018	F 157.3	.0013	-0.0005
Avg	.0002	.0011	.0173	.0123	.0000	.0001	1.2	.0003	.0005
Stddev	.0002	.0011	.0173	.0123	.0000	.0001	1.2	.0003	.0005
%RSD	180.8	29.32	18.67	105.7	6.557	4.544	.7819	22.54	91.27

#1	.0000	-0.0039	.0911	-0.048	.0004	-0.019	156.0	.0016	-0.0008
#2	.0004	-0.0025	.1110	-0.0258	.0004	-0.017	158.4	.0012	.0000
#3	.0000	-0.0047	.0764	-0.0043	.0004	-0.019	157.5	.0011	-0.0008

Elem	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
IS Ref	-0.0005	.0020	.0407	.0027	.0008	-0.002	-0.012	.0001	.0016
Avg	.0007	.0039	.0013	.0004	.0001	.0001	.0009	.0002	.0001
Stddev	.0007	.0039	.0013	.0004	.0001	.0001	.0009	.0002	.0001
%RSD	123.5	199.3	3.108	13.19	11.02	35.03	76.06	132.4	6.659

#1	.0002	-0.019	.0420	.0026	.0008	-0.002	-0.004	.0001	.0016
#2	-0.007	.0019	.0404	.0024	.0009	-0.001	-0.002	.0000	.0015
#3	-0.012	.0059	.0396	.0031	.0007	-0.002	-0.010	.0004	.0018

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	1995.9	4492.2	39976.	5341.4
Stddev	2.6	3.9	58.	49.6
%RSD	.13161	.08642	.14534	.92940

#1	1997.7	4488.1	39953.	5392.2
#2	1997.1	4495.8	39933.	5339.1
#3	1992.9	4492.8	40042.	5293.0

7.3
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Sample Name: MP30981-D1 Acquired: 10/17/2016 14:12:20 Type: Unk
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
IS Ref	.0000	2.298	-0.002	.0037	-0.001	.1986	-0.001	-0.001	.0001
Avg	.0002	.006	.0001	.0001	.0001	.0025	.0000	.0001	.0002
Stddev	.0002	.006	.0001	.0001	.0001	.0025	.0000	.0001	.0002
%RSD	538.6	.2704	53.25	1.855	94.28	1.245	10.23	94.61	217.1

#1	.0003	2.305	-0.002	.0038	.0000	.2010	-0.001	-0.001	-0.001
#2	-0.002	2.294	-0.001	.0036	-0.001	.1960	-0.001	-0.000	.0003
#3	.0000	2.295	-0.003	.0037	-0.001	.1988	-0.001	-0.001	.0000

Elem	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_3710)	Na5895 (Y_2243)	Ni2316 (In2306)	Pb2203 (In2306)
IS Ref	.0001	-0.064	.1070	-0.141	.0003	-0.020	F 160.1	.0013	.0001
Avg	.0001	.0018	.0190	.0365	.0000	.0002	1.3	.0001	.0005
Stddev	.0001	.0018	.0190	.0365	.0000	.0002	1.3	.0001	.0005
%RSD	96.40	28.82	17.77	259.1	4.254	9.896	.8268	7.257	723.1

#1	.0001	-0.057	.0947	-0.0563	.0003	-0.022	159.3	.0013	.0000
#2	.0000	-0.050	.0974	.0057	.0004	-0.019	161.6	.0014	.0006
#3	.0002	-0.085	.1289	.0083	.0004	-0.019	159.4	.0013	-0.0004

Elem	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_3600)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
IS Ref	.0001	.0013	.0410	.0035	.0008	-0.003	-0.019	.0002	.0019
Avg	.0012	.0010	.0013	.0003	.0001	.0001	.0013	.0000	.0001
Stddev	.0012	.0010	.0013	.0003	.0001	.0001	.0013	.0000	.0001
%RSD	106.6	74.37	3.086	9.817	11.27	28.15	66.26	12.75	3.443

#1	.0007	.0008	.0408	.0036	.0009	-0.002	-0.008	.0002	.0019
#2	.0009	.0025	.0423	.0031	.0008	-0.003	-0.0033	.0002	.0020
#3	-0.013	.0008	.0398	.0037	.0007	-0.002	-0.0016	.0002	.0018

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	1994.3	4493.8	39910.	5322.1
Stddev	3.0	4.8	15.	45.9
%RSD	.14939	.10627	.03841	.86205

#1	1991.0	4489.6	39927.	5283.1
#2	1996.7	4492.7	39898.	5310.4
#3	1995.4	4499.0	39904.	5372.7

Sample Name: MP30981-SD1 Acquired: 10/17/2016 14:17:02 Type: Unk
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
IS Ref	-0.008	2.385	-0.028	.0036	-0.002	.2072	-0.003	-0.007	-0.007
Avg	.0003	.019	.0029	.0002	.0004	.0058	.0002	.0003	.0006
Stddev	.0003	.019	.0029	.0002	.0004	.0058	.0002	.0003	.0006
%RSD	37.13	.7921	105.8	6.082	158.4	2.801	59.16	45.05	97.34

#1	-0.012	2.370	-0.055	.0039	.0000	.2139	-0.004	-0.004	-0.012
#2	-0.007	2.378	.0003	.0035	-0.001	.2046	-0.001	-0.010	.0001
#3	-0.006	2.406	-0.032	.0035	-0.007	.2031	-0.003	-0.009	-0.009

Elem	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
IS Ref	-0.020	-0.513	.2374	-0.889	-0.001	-0.110	171.2	.0009	.0000
Avg	.0002	.0128	.1046	.1109	.0003	.0002	.3	.0005	.003
Stddev	.0002	.0128	.1046	.1109	.0003	.0002	.3	.0005	.003
%RSD	7.724	24.90	44.04	124.8	265.0	1.553	.1956	54.04	140.10

#1	-0.020	-0.635	.2864	-1.948	.0002	-0.109	170.8	.0015	.0026
#2	-0.019	-0.523	.3084	.0264	-0.001	-0.110	171.5	.0005	-0.0033
#3	-0.022	-0.380	.1173	-0.981	-0.004	-0.112	171.2	.0008	.0006

Elem	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
IS Ref	-0.0056	-0.0031	.0504	.0030	.0004	-0.019	-0.029	.0004	.0236
Avg	.0038	.0064	.0028	.0014	.0003	.0001	.0058	.0013	.0006
Stddev	.0038	.0064	.0028	.0014	.0003	.0001	.0058	.0013	.0006
%RSD	68.55	204.7	5.621	47.84	71.98	5.116	198.2	281.9	2.605

#1	-0.0038	-0.0055	.0530	.0016	.0003	-0.020	-0.082	.0000	.0233
#2	-0.0029	-0.041	.0474	.0044	.0007	-0.019	.0033	.0019	.0233
#3	-0.0100	-0.080	.0509	.0031	.0002	-0.019	-0.040	-0.006	.0243

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2103.5	4627.3	41456.	5372.6
Stddev	1.4	9.6	178.	21.8
%RSD	.06632	.20659	.42854	.40652

#1	2104.6	4637.5	41262.	5393.7
#2	2101.9	4626.1	41611.	5373.9
#3	2103.9	4618.4	41495.	5350.1

Sample Name: MP30981-S1 Acquired: 10/17/2016 14:21:34 Type: Unk
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.472	31.21	1.972	2.166	0.533	28.24	0.507	5.085	2.109
Stddev	.0002	.20	.003	.014	.0005	.20	.0002	.0013	.0001
%RSD	.3922	.6481	.1749	.6387	.8438	.7216	.3077	.2576	.0598
#1	.0474	31.37	1.968	2.171	.0537	28.34	.0506	5.075	.2108
#2	.0470	31.29	1.974	2.175	.0535	28.38	.0506	5.080	.2110
#3	.0473	30.98	1.973	2.150	.0528	28.01	.0509	5.100	.2110
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	2.592	28.06	27.13	27.14	5.263	5.108	F 186.1	5.060	5.034
Stddev	.0008	.22	.15	.27	.0014	.0008	1.4	.0017	.0005
%RSD	.2935	.7708	.5442	.9947	.2685	.1571	.7509	.3367	.1044
#1	.2585	28.21	27.17	27.32	.5273	5.101	184.8	5.049	.5039
#2	.2592	28.16	27.25	27.28	.5246	5.106	187.6	5.052	.5035
#3	.2600	27.82	26.96	26.83	.5269	5.117	185.9	5.080	.5028
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	4.949	2.019	0.567	5.289	5.127	1.971	4.847	5.330	5.349
Stddev	.0020	.006	.0001	.0014	.0035	.0018	.004	.0006	.0016
%RSD	.3998	.2767	.1627	.2679	.6837	.3542	.1782	.1285	.3079
#1	4.957	2.012	.0565	5.282	.5114	5.114	1.974	4.854	5.320
#2	4.963	2.020	.0567	5.280	.5110	5.118	1.967	4.842	5.322
#3	4.926	2.024	.0567	5.305	.5052	5.147	1.973	4.846	5.349
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1920.0	4468.7	3968.7	5281.1					
Stddev	.6	7.0	52	61.7					
%RSD	.03349	.15720	.13096	1.1683					
#1	1920.7	4476.4	3971.2	5242.3					
#2	1919.8	4467.2	3972.3	5248.7					
#3	1919.5	4462.6	3962.8	5352.2					

Sample Name: MP30981-S2 Acquired: 10/17/2016 14:25:57 Type: Unk
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.470	31.28	1.973	2.175	0.533	28.26	0.508	5.102	2.101
Stddev	.0007	.06	.003	.005	.0001	.16	.0001	.0008	.0009
%RSD	1.408	.2036	.1451	.2323	.1483	.5496	.2186	.1626	.4373
#1	.0472	31.22	1.976	2.169	.0532	28.08	.0509	5.111	.2094
#2	.0475	31.29	1.973	2.179	.0532	28.37	.0508	5.095	.2111
#3	.0462	31.34	1.970	2.177	.0534	28.33	.0507	5.100	.2098
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	2.597	28.02	27.15	27.13	5.271	5.117	F 186.3	5.077	5.040
Stddev	.0007	.06	.04	.19	.0013	.0009	1.5	.0012	.0008
%RSD	.2808	.2318	.1422	.6818	.2405	.1819	.8284	.2284	.1621
#1	.2589	27.95	27.16	26.92	.5274	5.122	187.2	5.087	.5043
#2	.2603	28.05	27.10	27.28	.5257	5.106	184.5	5.064	.5045
#3	.2598	28.07	27.17	27.18	.5282	5.123	187.3	5.081	.5030
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	4.962	2.023	0.558	5.304	5.084	5.101	1.971	4.843	5.358
Stddev	.0003	.003	.0001	.0002	.0012	.0021	.005	.0014	.0008
%RSD	.0522	.1567	.2283	.0438	.2403	.4205	.2601	.2824	.1575
#1	4.964	2.027	.0560	5.301	.5090	5.080	1.975	4.837	5.349
#2	4.959	2.023	.0558	5.306	.5070	5.123	1.974	4.833	5.360
#3	4.962	2.021	.0557	5.305	.5091	5.101	1.966	4.859	5.365
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1919.8	4461.4	3985.7	5295.7					
Stddev	3.2	5.6	56	27.1					
%RSD	.16754	.12477	.14154	.51145					
#1	1920.0	4455.0	3991.8	5324.8					
#2	1916.4	4465.4	3980.8	5271.3					
#3	1922.8	4463.8	3984.5	5291.0					

7.3
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Sample Name: FA37647-2 Acquired: 10/17/2016 14:30:20 Type: Unk
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	2.873	-0.004	0.042	-0.001	2.001	-0.001	-0.001	0.002
Stddev	.0002	.006	.0002	.0001	.0001	.0018	.0000	.0000	.0002
%RSD	252.4	.2138	47.29	3.313	78.88	9.107	24.23	53.07	117.8
#1	-0.001	2.878	-0.002	.0042	-0.001	2.018	-0.001	-0.001	.0002
#2	-0.001	2.875	-0.004	.0041	.0000	1.982	-0.001	-0.001	.0003
#3	-0.004	2.866	-0.005	.0044	-0.001	2.003	-0.001	-0.001	.0000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	-0.001	0.085	0.127	0.007	-0.020	158.7	0.011	0.004	0.004
Stddev	.0002	.0024	.0305	.0243	.0000	.0000	1.4	.0001	.0007
%RSD	151.7	28.28	25.49	191.5	3.545	1.298	.8658	10.92	179.8
#1	-0.001	.0093	.1542	.0221	.0007	-0.020	159.3	.0011	.0011
#2	-0.004	.0103	.1079	.0308	.0007	-0.020	157.2	.0012	-0.003
#3	-0.001	.0058	.0966	-.0149	.0007	-0.019	159.8	.0010	.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	-0.001	0.015	0.537	0.027	0.008	-0.002	-0.029	0.001	0.021
Stddev	.0007	.0006	.0003	.0001	.0000	.0000	.0007	.0002	.0000
%RSD	593.2	40.06	.5119	3.097	1.696	10.06	22.43	193.6	2.387
#1	-0.006	.0021	.0534	.0027	.0008	-0.002	-0.032	.0002	.0021
#2	-0.004	.0009	.0539	.0026	.0008	-0.002	-0.022	.0003	.0021
#3	.0007	.0015	.0537	.0028	.0008	-0.002	-0.034	-0.002	.0020
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2012.5	4547.5	4053.0	5400.4					
Stddev	3.1	4.5	86	23.6					
%RSD	.15591	.09948	.21151	.43770					
#1	2011.6	4544.8	4062.4	5373.9					
#2	2016.0	4552.7	4045.6	5408.0					
#3	2009.9	4545.0	4051.2	5419.3					

Sample Name: FA37641-1 Acquired: 10/17/2016 14:35:02 Type: Unk
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	1.651	-0.007	0.264	0.001	10.87	-0.001	0.001	0.015
Stddev	.0000	.0044	.0009	.0003	.0000	.02	.0000	.0002	.0001
%RSD	32.46	2.655	135.4	.9932	46.81	2.205	36.68	172.9	6.071
#1	-0.001	.1686	.0000	.0263	.0001	10.84	-0.001	.0002	.0014
#2	-0.002	.1602	-0.003	.0262	.0001	10.89	-0.001	.0003	.0016
#3	-0.001	.1665	-0.018	.0267	.0000	10.87	-0.002	-0.001	.0015
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	0.002	2.935	9.358	7.435	1.030	-0.016	F 163.4		

Sample Name: FA37641-2 Acquired: 10/17/2016 14:39:39 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.007	0.030	0.001	0.0314	-0.001	5.402	-0.015	-0.009	-0.004
Stddev	0.001	0.014	0.006	0.001	0.000	0.035	0.000	0.000	0.002
%RSD	12.80	48.11	491.6	3.703	9.766	6.511	1.136	4.436	53.72
#1	-0.007	0.013	0.004	0.0314	-0.001	5.362	-0.015	-0.009	-0.006
#2	-0.008	0.039	0.004	0.0316	-0.001	5.419	-0.015	-0.009	-0.003
#3	-0.006	0.037	-0.005	0.0313	-0.001	5.427	-0.015	-0.009	-0.002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.011	90.62	4683	6.613	2.039	-0.015	F 158.8	-0.006	-0.027
Stddev	0.000	4.1	0.0404	0.122	0.06	0.001	1.7	0.002	0.007
%RSD	2.098	4.565	8.633	1.852	2.868	9.247	1.067	39.11	24.31
#1	0.011	90.15	4233	6.585	2.037	-0.016	160.7	-0.006	-0.021
#2	0.011	90.77	5017	6.747	2.035	-0.014	157.4	-0.007	-0.026
#3	0.010	90.94	4798	6.507	2.046	-0.014	158.3	-0.003	-0.034
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.019	0.000	4664	0.012	0.0848	-0.002	-0.0036	0.006	0.066
Stddev	0.006	0.001	0.009	0.000	0.004	0.001	0.014	0.002	0.001
%RSD	30.25	55.39	1.901	3.265	4.992	34.61	38.21	40.71	1.408
#1	0.014	-0.015	4657	0.012	0.0844	-0.001	-0.052	0.008	0.065
#2	0.018	0.005	4661	0.012	0.0847	-0.003	-0.027	0.006	0.066
#3	0.025	0.010	4674	0.012	0.0852	-0.002	-0.030	0.004	0.066
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1977.0	4475.5	3982.4	5339.3					
Stddev	2.7	11.9	69.	16.5					
%RSD	.13563	.26612	.17316	.30962					
#1	1979.8	4486.2	39798.	5356.4					
#2	1976.7	4462.7	39772.	5323.4					
#3	1974.5	4477.5	39902.	5338.1					

Sample Name: CCV Acquired: 10/17/2016 14:44:15 Type: QC
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.549	41.75	1.937	2.082	2.006	42.72	1.997	2.009	2.029
Stddev	0.008	.21	.006	.006	.008	.18	.001	.002	.004
%RSD	.3197	.5126	.2931	.2928	.4126	.4300	.0671	.0745	.2095
#1	2.544	41.74	1.936	2.081	2.008	42.74	1.998	2.009	2.032
#2	2.559	41.54	1.933	2.076	1.997	42.53	1.998	2.008	2.024
#3	2.545	41.97	1.944	2.088	2.013	42.89	1.996	2.011	2.030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.998	40.94	41.69	42.36	2.041	1.992	41.34	1.972	1.984
Stddev	0.04	.26	.20	.24	.001	.002	.16	.001	.005
%RSD	.1902	.6263	.4816	.5559	.0495	.0931	.3960	.0627	.2557
#1	2.002	41.02	41.72	42.45	2.042	1.991	41.32	1.972	1.989
#2	1.996	40.66	41.48	42.09	2.040	1.990	41.19	1.971	1.984
#3	1.994	41.15	41.87	42.54	2.042	1.994	41.51	1.974	1.979
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.947	1.962	2.264	2.028	1.999	1.975	1.976	1.982	2.068
Stddev	0.005	0.005	0.007	0.001	0.011	0.004	0.004	0.001	0.004
%RSD	.2681	.2739	.3179	.0569	.5233	.2093	.1913	.0400	.1835
#1	1.945	1.958	2.261	2.028	2.002	1.979	1.980	1.983	2.069
#2	1.943	1.959	2.260	2.028	1.988	1.971	1.972	1.981	2.071
#3	1.953	1.968	2.273	2.026	2.008	1.974	1.977	1.982	2.064
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

7.3
7

Sample Name: CCV Acquired: 10/17/2016 14:44:15 Type: QC
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1934.7	4492.9	40561.	5412.9
Stddev	6.4	9.5	138.	30.9
%RSD	.33036	.21049	.34118	.57019
#1	1928.0	4491.0	40434.	5399.9
#2	1940.7	4503.1	40708.	5448.1
#3	1935.5	4484.5	40540.	5390.6

Sample Name: CCB Acquired: 10/17/2016 14:48:27 Type: QC
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.081	0.010	0.003	0.002	0.047	0.001	0.001	0.003
Stddev	0.002	0.083	0.008	0.002	0.001	0.019	0.000	0.001	0.001
%RSD	355.2	102.8	81.30	69.66	39.56	40.83	73.03	96.80	56.67
#1	0.001	0.170	0.020	0.005	0.003	0.068	0.001	0.002	0.004
#2	0.000	0.065	0.006	0.002	0.001	0.046	0.000	0.001	0.003
#3	-0.003	0.007	0.005	0.001	0.002	0.029	0.000	0.000	0.001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	0.025	0.181	-0.089	0.001	-0.009	0.704	0.001	-0.004
Stddev	0.001	0.023	0.242	0.185	0.000	0.003	0.053	0.002	0.003
%RSD	37.24	93.44	133.7	208.8	13.58	34.54	7.579	165.5	64.12
#1	-0.004	0.042	-0.081	0.077	0.001	-0.006	0.759	0.002	-0.001
#2	-0.003	-0.002	0.396	-0.288	0.001	-0.009	0.653	-0.001	-0.004
#3	-0.002	0.035	0.227	-0.055	0.001	-0.012	0.700	0.002	-0.006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.001	0.005	0.015	0.000	0.002	-0.001	-0.009	0.004	0.001
Stddev	0.004	0.004	0.004	0.004	0.001	0.001	0.008	0.001	0.001
%RSD	727.3	64.56	28.99	5077.	43.38	121.1	83.37	16.95	97.33
#1	0.004	0.007	0.018	0.003	0.001	-0.001	-0.017	0.004	0.001
#2	-0.004	0.008	0.010	-0.004	0.003	-0.001	-0.010	0.003	0.000
#3	0.002	0.001	0.016	0.001	0.001	0.000	-0.001	0.003	0.000
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Sample Name: CCB Acquired: 10/17/2016 14:48:27 Type: QC
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2157.4	4683.9	42196.	5450.2
Stddev	1.2	8.6	69.	40.9
%RSD	.05486	.18262	.16273	.75096

#1	2156.1	4686.9	42264.	5483.3
#2	2158.5	4690.6	42127.	5463.0
#3	2157.7	4674.3	42196.	5404.4

Sample Name: FA37641-3 Acquired: 10/17/2016 14:53:01 Type: Unk
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	.0000	.1835	.0005	.0327	.0001	14.02	.0000	.0001	.0004
Stddev	.000	.0023	.0005	.0002	.0000	.08	.0000	.0000	.0002
%RSD	279.1	1.261	96.67	.7417	17.39	.5522	49.37	25.80	50.77

#1	.0000	.1808	.0001	.0327	.0001	14.06	.0000	.0001	.0007
#2	.0000	.1851	.0010	.0329	.0001	14.07	.0000	.0001	.0003
#3	-.0001	.1845	.0003	.0324	.0001	13.93	.0000	.0001	.0003

Elem	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.0001	.0336	1.320	1.251	.0785	-.0012	F 164.5	.0004	.0002
Stddev	.0002	.0030	.038	.025	.0003	.0001	1.9	.0001	.0003
%RSD	185.1	8.831	2.849	2.001	.3740	7.987	1.182	33.35	118.8

#1	-.0001	.0363	1.342	1.235	.0785	-.0011	165.9	.0003	.0006
#2	.0001	.0341	1.276	1.280	.0788	-.0011	165.3	.0005	.0000
#3	.0002	.0304	1.341	1.239	.0782	-.0013	162.3	.0004	.0001

Elem	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	-.0005	-.0005	1.410	.0008	.2527	.0009	-.0032	.0002	.0244
Stddev	.0015	.0021	.004	.0003	.0002	.0001	.0011	.0001	.0002
%RSD	321.2	389.5	.3064	36.58	.0647	6.781	33.41	32.45	.7845

#1	.0005	-.0014	1.414	.0007	.2529	.0009	-.0027	.0002	.0242
#2	-.0022	-.0020	1.411	.0012	.2527	.0010	-.0044	.0002	.0243
#3	.0003	.0019	1.405	.0006	.2525	.0009	-.0025	.0003	.0246

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2004.0	4474.8	39927.	5316.8
Stddev	1.4	7.8	160.	57.5
%RSD	.07149	.17534	.40004	1.0811

#1	2003.8	4472.8	39959.	5295.9
#2	2005.5	4468.1	39754.	5272.7
#3	2002.6	4483.4	40069.	5381.8

7.3
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Sample Name: FA37641-4 Acquired: 10/17/2016 14:57:40 Type: Unk
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_3600)	Cr2677 (Y_3600)
Avg	-.0009	.0222	.0008	.0182	-.0001	2.214	-.0017	-.0006	.0448
Stddev	.0005	.0026	.0005	.0003	.0000	.015	.0000	.0001	.0001
%RSD	48.27	11.83	65.48	1.515	65.30	.6717	2.421	9.380	2509

#1	-.0010	.0245	.0006	.0182	.0000	2.209	-.0016	-.0006	.0447
#2	-.0005	.0228	.0004	.0184	-.0001	2.230	-.0017	-.0007	.0449
#3	-.0014	.0194	.0014	.0179	-.0001	2.202	-.0017	-.0006	.0448

Elem	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_3710)	Na5895 (Y_2243)	Ni2316 (In2306)	Pb2203 (In2306)
Avg	.0012	100.5	.1783	.1436	.8414	-.0008	F 158.4	.0012	-.0035
Stddev	.0001	.4	.0228	.0161	.0014	.0002	.6	.0001	.0002
%RSD	10.02	.4369	12.82	11.21	.1670	28.59	.3941	11.63	6.394

#1	.0013	100.4	.1665	.1316	.8400	-.0008	158.2	.0012	-.0033
#2	.0012	101.0	.1637	.1373	.8415	-.0007	159.1	.0013	-.0038
#3	.0011	100.2	.2046	.1619	.8428	-.0011	157.9	.0010	-.0035

Elem	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.0020	-.0021	.8257	.0011	.0339	-.0003	-.0044	.0009	.0118
Stddev	.0005	.0008	.0005	.0002	.0002	.0000	.0008	.0002	.0000
%RSD	24.03	37.86	.0573	18.33	.6235	13.99	18.93	27.75	.2063

#1	.0015	-.0025	.8256	.0013	.0339	-.0003	-.0051	.0006	.0118
#2	.0024	-.0012	.8253	.0009	.0341	-.0003	-.0035	.0010	.0118
#3	.0021	-.0025	.8262	.0010	.0337	-.0004	-.0046	.0010	.0118

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	1973.4	4473.5	39948.	5341.1
Stddev	2.2	1.8	61.	26.3
%RSD	.11317	.04055	.15159	.49330

#1	1971.1	4475.5	40000.	5361.8
#2	1975.5	4471.9	39882.	5311.4
#3	1973.5	4473.1	39963.	5350.0

Sample Name: FA37641-5 Acquired: 10/17/2016 15:02:17 Type: Unk
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-.0003	.0414	.0002	.0028	.0000	1.420	-.0008	-.0004	.0429
Stddev	.0002	.0063	.0006	.0001	.000	.0017	.0000	.0001	.0006
%RSD	68.00	15.24	239.0	2.384	177.4	1.228	5.761	14.95	1.489

#1	-.0005	.0391	.0007	.0028	.0000	1.411	-.0007	-.0004	.0435
#2	-.0002	.0486	.0004	.0028	-.0001	1.440	-.0008	-.0005	.0422
#3	-.0002	.0366	-.0004	.0027	.0000	1.409	-.0008	-.0005	.0431

Elem	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.0004	39.91	.0943	.0104	.8852	-.0001	F 159.3	-.0003	-.0007
Stddev	.0001	.22	.0358	.0210	.0009	.0001	1.0	.0002	.0012
%RSD	31.99	.5391	37.90	202.0	.0977	104.2	.6399	63.06	162.1

#1	.0002	39.84	.0616	.0346	.8855	-.0001	159.1	-.0003	-.0013
#2	.0005	40.15	.0889	-.0011	.8842	-.0002	160.5	-.0001	.0006
#3	.0004	39.73	.1325	-.0023	.8859	.0000	158.5	-.0005	-.0015

Elem	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.0005	.0015	.7550	.0014	.0017	.0000	-.0028	.0027	.0058
Stddev	.0004	.0011	.0003	.0001	.0001	.000	.0007	.0002	.0000
%RSD	74.30	68.88	.0370	6.686	7.139	216.5	25.66	7.662	.5756

#1	.0008	.0005	.7547	.0013	.0017	-.0001	-.0024	.0025	.0059
#2	.0001	.0014	.7550	.0014	.0016	.0000	-.0023	.0028	.0058
#3	.0007	.0027	.7552	.0014	.0019	.0000	-.0036	.0029	.0059

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	1992.3	4505.3	40121.	5295.8
Stddev	1.4	3.0	92.	38.4
%RSD	.07131	.06576	.22824	.72421

#1	1993.0	4503.7	40021.	5307.1
#2	1990.7	4508.7	40142.	5253.1
#3	1993.3	4503.4	40201.	5327.3

Sample Name: FA37611-1 Acquired: 10/17/2016 15:06:57 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	0.113	-0.011	0.097	-0.001	3.744	0.005	-0.001	0.007
Stddev	0.002	0.007	0.002	0.001	0.000	0.041	0.001	0.000	0.002
%RSD	52.37	6.332	22.49	8.449	45.25	1.097	10.18	23.81	34.43
#1	-0.005	0.107	-0.008	0.097	-0.001	3.784	0.005	-0.001	0.009
#2	-0.001	0.121	-0.011	0.097	-0.001	3.702	0.005	-0.001	0.006
#3	-0.003	0.111	-0.013	0.096	0.000	3.748	0.006	-0.001	0.005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	0.090	0.579	1.117	0.785	0.010	-0.021	F 153.1	0.001	0.074
Stddev	0.002	0.006	0.034	0.058	0.000	0.000	1.0	0.001	0.008
%RSD	2.185	9.633	30.78	7.407	8.147	1.104	6.623	83.33	11.21
#1	0.089	0.577	1.072	0.770	0.010	-0.021	154.2	0.002	0.065
#2	0.088	0.585	1.374	0.850	0.010	-0.021	152.9	0.001	0.082
#3	0.092	0.575	1.250	0.737	0.010	-0.021	152.2	0.000	0.076
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	-0.001	0.020	0.409	0.005	0.007	-0.004	-0.029	0.002	0.158
Stddev	0.007	0.017	0.005	0.000	0.000	0.001	0.008	0.003	0.001
%RSD	1128.	85.54	1.161	4.805	4.944	24.27	27.54	172.4	5.079
#1	-0.006	0.030	0.410	0.006	0.007	-0.004	-0.026	0.004	0.157
#2	-0.003	0.030	0.404	0.005	0.007	-0.003	-0.038	0.003	0.158
#3	-0.007	0.000	0.413	0.005	0.007	-0.005	-0.023	-0.002	0.159
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2016.7	4501.8	4005.8	5369.5					
Stddev	1.6	1.5	46.	23.2					
%RSD	0.8151	0.3290	1.1411	4.3221					
#1	2017.9	4503.5	4002.1	5343.1					
#2	2014.8	4500.8	4004.3	5386.3					
#3	2017.4	4501.1	4010.9	5379.2					

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7.3
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Sample Name: FA37605-1 Acquired: 10/17/2016 15:11:40 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	1.105	-0.009	0.058	-0.001	3.383	-0.001	-0.001	0.004
Stddev	0.001	0.022	0.001	0.001	0.000	0.015	0.000	0.001	0.002
%RSD	53.05	2.231	8.185	1.020	44.02	4.298	84.06	78.03	49.71
#1	-0.001	0.981	-0.010	0.058	-0.001	3.392	-0.001	-0.002	0.002
#2	-0.002	1.025	-0.009	0.059	-0.001	3.366	-0.001	0.000	0.004
#3	-0.003	1.009	-0.009	0.057	0.000	3.391	0.000	-0.002	0.007
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	0.003	0.118	1.612	1.308	0.022	-0.021	F 157.7	0.000	0.021
Stddev	0.001	0.022	0.024	0.018	0.000	0.001	3.0	0.000	0.011
%RSD	35.18	18.79	15.28	9.003	3.293	2.820	1.923	245.7	51.89
#1	0.004	0.138	1.777	1.395	0.022	-0.021	155.2	0.001	0.009
#2	0.003	0.094	1.731	1.174	0.022	-0.021	161.0	0.001	0.029
#3	0.002	0.122	1.329	1.354	0.022	-0.020	156.8	-0.002	0.027
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	0.003	0.019	0.895	0.003	0.019	0.015	-0.021	0.013	0.046
Stddev	0.012	0.018	0.001	0.002	0.000	0.001	0.013	0.002	0.000
%RSD	382.6	92.85	1.597	55.85	16.36	6.977	61.13	17.72	2.749
#1	0.007	0.026	0.896	0.004	0.019	0.014	-0.007	0.011	0.046
#2	-0.010	-0.001	0.896	0.001	0.019	0.015	-0.032	0.015	0.046
#3	0.013	0.032	0.894	0.003	0.019	0.016	-0.026	0.014	0.046
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2005.8	4503.3	4007.8	5371.0					
Stddev	2.3	4.2	84.	28.1					
%RSD	1.1624	0.9219	2.1022	5.2340					
#1	2003.2	4507.8	4015.9	5400.3					
#2	2007.5	4499.6	4008.3	5344.2					
#3	2006.8	4502.4	3999.1	5368.5					

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Sample Name: MP30981-D2 Acquired: 10/17/2016 15:16:22 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	1.107	-0.005	0.056	0.000	3.415	-0.001	-0.001	0.003
Stddev	0.001	0.070	0.007	0.001	0.000	0.030	0.000	0.001	0.002
%RSD	48.24	6.509	139.3	9.575	54.23	8.850	50.66	112.5	60.13
#1	-0.003	1.029	-0.003	0.056	0.000	3.396	-0.001	-0.001	0.002
#2	-0.001	1.034	-0.013	0.056	-0.001	3.450	-0.001	-0.002	0.002
#3	-0.001	1.152	0.001	0.055	0.000	3.399	0.000	0.000	0.005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	0.002	0.155	1.548	1.416	0.022	-0.021	F 158.6	-0.001	0.023
Stddev	0.001	0.012	0.017	0.026	0.000	0.002	1.2	0.001	0.008
%RSD	55.22	7.838	11.07	14.56	2.257	9.566	7.593	128.5	32.71
#1	0.002	0.150	1.449	1.616	0.022	-0.022	157.2	0.000	0.020
#2	0.003	0.169	1.746	1.205	0.022	-0.022	159.5	-0.002	0.032
#3	0.001	0.146	1.450	1.427	0.021	-0.019	159.1	-0.001	0.018
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	-0.005	0.020	1.085	0.004	0.021	0.020	-0.029	0.013	0.042
Stddev	0.001	0.007	0.013	0.002	0.000	0.001	0.012	0.001	0.001
%RSD	23.43	34.72	1.160	56.51	2.746	3.617	43.59	7.253	1.810
#1	-0.006	0.015	1.090	0.005	0.021	0.021	-0.016	0.012	0.041
#2	-0.004	0.028	1.094	0.001	0.021	0.019	-0.028	0.014	0.042
#3	-0.005	0.018	1.070	0.006	0.021	0.020	-0.041	0.013	0.041
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2005.2	4507.7	3994.5	5318.2					
Stddev	1.9	3.5	58.	52.3					
%RSD	0.9676	0.7844	1.4527	9.8415					
#1	2003.1	4506.8	3999.5	5364.2					
#2	2006.9	4504.7	3988.2	5261.2					
#3	2005.8	4511.6	3995.8	5329.1					

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Sample Name: MP30981-MB2 Acquired: 10/17/2016 15:21:03 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.000	0.062	-0.003	0.006	-0.001	0.657	-0.001	-0.001	0.005
Stddev	0.000	0.010	0.003	0.001	0.000	0.024	0.000	0.001	0.000
%RSD	326.3	177.2	99.37	19.38	40.34	3.620	30.88	73.39	7.060
#1	-0.001	0.103	-0.006	0.008	-0.001	0.682	-0.001	-0.002	0.005
#2	-0.001	0.145	-0.000	0.006	0.000	0.635	-0.001	0.000	0.005
#3	0.001	-0.062	-0.005	0.005	-0.001	0.653	-0.001	-0.001	0.006
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	0.000	-0.053	0.777	-0.287	0.000	-0.023	F 162.2	-0.001	0.006
Stddev	0.002	0.012	0.024	0.017	0.000	0.001	4.	0.002	0.001
%RSD	429.9	22.49	28.78	68.64	514.5	5.580	2.411	244.1	26.23
#1	-0.001	-0.049	0.853	-0.431	0.000	-0.021	162.6	-0.001	0.004
#2	0.002	-0.							

Sample Name: CCV Acquired: 10/17/2016 15:38:55 Type: QC
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1920.4	4466.1	40269.	5384.7
Stddev	2.7	5.5	102.	21.8
%RSD	.14115	.12293	.25224	.40413
#1	1920.8	4463.8	40153.	5409.3
#2	1922.8	4472.3	40343.	5367.9
#3	1917.5	4462.1	40310.	5377.0

Sample Name: CCB Acquired: 10/17/2016 15:43:08 Type: QC
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.001	0.0037	0.003	0.000	0.001	0.048	0.000	0.000	-0.001
Stddev	0.002	0.013	0.010	0.002	0.000	0.005	0.000	0.000	0.002
%RSD	186.2	35.98	382.0	590.0	23.70	11.12	403.6	55.76	185.5
#1	-0.001	0.0050	0.004	0.000	0.001	0.042	0.000	0.001	0.001
#2	-0.003	0.023	-0.008	0.002	0.001	0.053	0.000	0.000	-0.003
#3	0.001	0.039	0.011	-0.002	0.001	0.049	0.000	0.000	-0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-0.001	-0.0020	0.403	-0.270	0.001	-0.008	0.543	0.000	0.000
Stddev	0.001	0.017	0.159	0.163	0.000	0.001	0.037	0.001	0.000
%RSD	275.5	86.08	39.62	60.23	24.73	15.71	6.882	484.8	1895.0
#1	0.000	-0.001	0.298	-0.112	0.001	-0.007	0.576	0.001	0.004
#2	0.001	-0.024	0.586	-0.437	0.001	-0.008	0.551	0.001	-0.002
#3	-0.002	-0.034	0.324	-0.261	0.001	-0.010	0.502	-0.001	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	-0.005	0.004	0.021	0.002	0.001	-0.001	-0.011	0.005	0.001
Stddev	0.005	0.010	0.003	0.001	0.001	0.000	0.006	0.002	0.000
%RSD	116.5	247.8	14.44	81.02	85.49	21.98	55.42	45.68	27.41
#1	-0.011	-0.007	0.025	0.001	0.002	-0.001	-0.004	0.002	0.001
#2	-0.003	0.010	0.019	0.001	0.000	-0.001	-0.012	0.006	0.001
#3	0.000	0.008	0.020	0.003	0.001	-0.001	-0.016	0.006	0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.3
7

Sample Name: CCB Acquired: 10/17/2016 15:43:08 Type: QC
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2153.9	4672.0	42150.	5431.6
Stddev	1.6	3.7	84.	21.1
%RSD	.07314	.07982	.19821	.38879
#1	2155.5	4667.7	42237.	5407.4
#2	2152.3	4674.8	42071.	5446.1
#3	2154.1	4673.4	42142.	5441.4

Sample Name: MP30974-S1 Acquired: 10/17/2016 15:47:40 Type: Unk
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 20.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_3710)	Co2286 (Y_2243)	Cr2677 (In2306)
Avg	0.448	236.4	1.967	3.821	0.559	86.17	0.515	0.5675	0.5032
Stddev	0.029	0	0.12	0.06	0.002	0.8	0.006	0.019	0.054
%RSD	6.553	0.124	5.961	1.543	0.396	0.873	1.248	3.405	1.076
#1	0.454	236.4	1.975	3.815	0.558	86.21	0.522	0.5655	0.4994
#2	0.417	236.4	1.954	3.822	0.558	86.08	0.509	0.5677	0.508
#3	0.474	236.4	1.973	3.826	0.562	86.22	0.515	0.5694	0.5094

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	3.855	216.1	46.69	46.08	3.196	45.36	30.44	70.29	42.92
Stddev	0.17	4	4.5	5.3	0.12	0.033	2.2	0.045	0.6
%RSD	4.299	1.624	9.566	1.140	3.854	7.303	7.356	6.419	1.307
#1	3.872	216.2	46.22	45.99	3.187	45.73	30.45	6.999	42.96
#2	3.852	215.7	47.11	45.60	3.192	45.08	30.21	7.081	42.95
#3	3.840	216.4	46.73	46.64	3.210	45.28	30.65	7.007	42.86

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	3.806	2.012	9.429	6.286	1.251	6.831	2.033	9.954	1.614
Stddev	0.109	0.15	0.41	0.043	0.000	0.24	0.36	0.061	0.07
%RSD	2.869	7.448	4.367	0.687	0.278	3.575	1.792	0.6326	4.206
#1	3.741	2.003	9.427	6.332	1.251	6.810	2.075	9.971	1.606
#2	3.744	2.003	9.472	6.246	1.251	6.858	2.011	9.949	1.617
#3	3.932	2.029	9.389	6.279	1.251	6.825	2.013	9.963	1.619

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2134.8	4690.2	42389.	5566.7
Stddev	3.1	8.4	200.	36.8
%RSD	0.14534	0.17974	0.47225	0.66089
#1	2131.6	4691.3	42611.	5530.2
#2	2135.0	4681.2	42332.	5566.1
#3	2137.8	4697.9	42223.	5603.8

Sample Name: MP30974-S2 Acquired: 10/17/2016 15:52:00 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 20.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0458	232.0	1.956	3.742	0.0568	84.18	0.0503	0.5619	4.854
Stddev	0.0033	.8	.008	.005	.0011	.49	.0009	.0046	0.0033
%RSD	7.163	.3397	.4091	.1402	1.996	.5879	1.854	.8203	.6859
#1	.0447	231.3	1.947	3.746	.0555	84.38	.0503	.5664	4.868
#2	.0433	232.8	1.963	3.736	.0576	84.55	.0494	.5620	4.878
#3	.0495	231.9	1.959	3.744	.0573	83.62	.0512	.5572	4.816
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	3.742	211.5	45.51	45.40	3.122	4.453	30.06	6.921	40.55
Stddev	.002	.5	.41	.28	.009	.0024	.26	.0040	.02
%RSD	.0543	.2554	.9082	.6111	.2852	.5398	.8523	.5850	.0573
#1	3.740	211.6	45.40	45.51	3.115	4.478	29.76	6.919	40.56
#2	3.744	211.9	45.96	45.60	3.132	4.451	30.21	6.962	40.53
#3	3.742	210.9	45.16	45.08	3.120	4.431	30.20	6.881	40.57
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	3.549	1.949	9.115	6.174	1.219	6.749	2.005	9.979	1.547
Stddev	0.165	.037	.002	.0051	.003	.017	.013	.0054	.001
%RSD	4.643	1.897	.0189	.8255	.2794	.2524	.6493	.5705	.0649
#1	.3401	1.912	9.116	.6160	1.216	6.766	1.994	9.954	1.548
#2	.3519	1.986	9.116	.6231	1.222	6.750	2.002	9.942	1.547
#3	.3726	1.948	9.113	.6131	1.217	6.732	2.019	9.951	1.546
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2137.1	4686.8	4221.6	5534.1					
Stddev	1.6	2.0	107.	41.7					
%RSD	.07551	.04169	.25374	.75393					
#1	2138.9	4688.8	4209.3	5550.7					
#2	2135.9	4688.7	4228.1	5486.6					
#3	2136.4	4684.8	4227.6	5565.0					

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Sample Name: MP30974-PS1 Acquired: 10/17/2016 15:56:21 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 20.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0463	194.4	1.391	1.920	0.0553	64.60	0.0508	0.810	3.324
Stddev	0.0054	.6	.0059	.004	.0015	.19	.0007	.0011	0.0061
%RSD	11.77	.3307	4.247	.1933	2.678	.3009	1.382	1.382	1.824
#1	.0478	193.7	1.332	1.922	.0536	64.58	.0516	.802	3.335
#2	.0508	194.6	1.390	1.923	.0558	64.42	.0504	.805	3.259
#3	.0402	195.0	1.450	1.916	.0564	64.81	.0503	.823	3.379
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	3.720	195.1	30.13	23.82	2.794	0.752	13.76	2.541	42.46
Stddev	.005	.5	.29	.24	.012	.0027	.28	.0038	.11
%RSD	.1251	.2742	.9633	.9976	.4387	3.530	2.029	1.511	.2651
#1	3.716	195.1	29.93	24.08	2.808	.0725	13.58	2.503	42.33
#2	3.725	194.6	30.46	23.61	2.785	.0778	13.62	2.579	42.51
#3	3.718	195.7	29.99	23.76	2.789	.0752	14.08	2.541	42.54
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	2.753	0.914	9.255	1.455	0.776	6.902	1.017	5.211	1.325
Stddev	0.025	.0117	.041	.0070	.0019	.024	.0306	.0046	.005
%RSD	.9015	12.81	4.413	4.824	.2490	.3537	30.12	.8882	.3471
#1	.2741	.0987	9.217	.1518	.7790	6.916	.0752	5.264	1.320
#2	.2781	.0976	9.298	.1379	.7754	6.874	.1352	5.180	1.328
#3	.2736	.0779	9.252	.1469	.7785	6.916	.0947	5.188	1.327
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2145.4	4690.6	4258.9	5520.2					
Stddev	5.0	5.3	140.	36.3					
%RSD	.23166	.11326	.32847	.65801					
#1	2145.1	4692.7	4251.6	5532.3					
#2	2150.5	4694.6	4275.0	5549.0					
#3	2140.6	4684.6	4250.1	5479.4					

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7.3
7

Sample Name: MP30974-SD1 Acquired: 10/17/2016 16:00:43 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 100.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.140	208.8	0.643	1.786	0.017	64.37	-0.057	0.224	3.175
Stddev	0.0032	.6	.1002	.021	.0014	.28	.0042	.0088	.0104
%RSD	23.12	.3024	155.8	1.192	82.14	4.403	73.52	39.27	3.267
#1	.0156	208.1	-0.002	1.800	.0008	64.54	-0.082	.0191	3.108
#2	.0102	209.0	-1.798	1.761	.0033	64.04	-0.009	.0324	3.294
#3	.0161	209.3	.0133	1.797	.0009	64.52	-0.079	.0157	3.122
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	3.981	211.4	23.90	18.87	3.032	-1.999	6.029	1.629	46.80
Stddev	.021	.3	1.82	1.44	.013	.0103	.389	.0068	.13
%RSD	.5312	.1533	7.600	7.623	.4225	5.170	6.449	4.184	.2688
#1	3.973	211.0	25.97	20.38	3.018	-2.059	5.646	1.568	46.94
#2	4.005	211.7	23.12	18.70	3.044	-2.059	6.016	1.617	46.70
#3	3.966	211.6	22.60	17.52	3.034	-1.880	6.424	1.702	46.74
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.836	-0.0953	9.884	0.825	0.7930	7.453	-1.1455	5.435	1.446
Stddev	0.0944	.0722	.018	.0046	.0028	.027	.0045	.0120	.004
%RSD	113.0	75.80	.1792	5.576	.3581	.3634	3.060	2.207	.2700
#1	-0.224	-1.137	9.897	.0804	.7934	7.445	-1.141	5.302	1.445
#2	-1.587	-1.565	9.892	.0793	.7900	7.431	-1.1420	5.535	1.442
#3	-1.145	-0.156	9.864	.0878	.7957	7.484	-1.1505	5.469	1.450
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2158.5	4697.0	4240.5	5490.4					
Stddev	4.0	1.5	43.	8.6					
%RSD	.18337	.03296	.10059	.15713					
#1	2154.0	4696.7	4245.1	5499.2					
#2	2161.1	4695.6	4239.7	5482.0					
#3	2160.5	4698.7	4236.6	5489.9					

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Sample Name: MP30974-D2 Acquired: 10/17/2016 16:05:12 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 20.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	174.0	0.074	1.527	0.018	54.80	-0.022	0.243	2.685
Stddev	0.0040	.6	.0177	.006	.0012	.27	.0005	.0018	.0009
%RSD	107.9	.3172	30.77	.3821	68.07	4.934	21.62	7.219	3.455
#1	.0036	174.2	.0775	1.532	.0005	55.06	-0.024	.0224	2.694
#2	-0.0043	173.4	.0445	1.521	.0019	54.52	-0.017	.0246	2.676
#3	-0.0004	174.4	.0502	1.528	.0030	54.82	-0.026	.0258	2.684
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	3.424	178.2	17.94	17.19	2.546	-0.294	2.772	1.383	39.79
Stddev	.016	.8	.60	.35	.003	.0007	.032	.0026	.10
%RSD</									

Sample Name: FA37168-4 Acquired: 10/17/2016 16:09:34 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 20.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0023	196.3	.0431	1.542	.0022	43.14	-0.0033	.0267	2.889
Stddev	.0022	.7	.0141	.004	.0008	.04	.0001	.0022	.0020
%RSD	97.83	.3717	32.78	.2305	36.15	.0935	3.861	8.301	.6792
#1	.0030	196.4	.0360	1.538	.0013	43.16	-.0033	.0242	2.866
#2	.0041	197.0	.0593	1.545	.0026	43.16	-.0032	.0281	2.898
#3	-.0002	195.6	.0339	1.541	.0026	43.09	-.0034	.0280	2.902
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	3.423	196.8	16.84	14.55	2.480	-0.321	2.956	1.587	31.90
Stddev	.012	.4	.21	.06	.008	.0015	.111	.0007	.11
%RSD	.3501	.1954	1.221	.4334	.3356	4.793	3.746	.4208	.3553
#1	3.415	196.4	16.76	14.56	2.477	-.0338	2.850	1.583	31.81
#2	3.437	197.2	17.08	14.61	2.473	-.0313	3.071	1.595	31.86
#3	3.418	196.8	16.69	14.49	2.489	-.0311	2.947	1.584	32.02
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	1.032	.0161	9.514	.0787	5.861	7.009	-0.359	.4824	.8704
Stddev	.0173	.0165	.037	.0037	.0031	.008	.0222	.0052	.0070
%RSD	16.71	102.0	.3850	4.643	.5334	.1143	61.82	1.080	.7992
#1	.0834	.0333	9.479	.0761	.5834	7.003	-.0284	.4882	.8679
#2	.1117	.0004	9.510	.0829	.5854	7.005	-.0608	.4811	.8650
#3	.1146	.0148	9.552	.0771	.5896	7.018	-.0184	.4781	.8783
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2146.2	4702.8	42349.	5442.6					
Stddev	3.2	3.9	93.	29.7					
%RSD	.15044	.08223	.21914	.54611					
#1	2147.8	4705.3	42451.	5471.2					
#2	2148.4	4698.3	42326.	5411.9					
#3	2142.5	4704.8	42270.	5444.7					

Sample Name: FA37168-7 Acquired: 10/17/2016 16:13:57 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 20.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0067	198.7	.0499	1.690	.0025	48.16	-0.0032	.0268	.3025
Stddev	.0003	.2	.0141	.004	.0009	.09	.0008	.0015	.0006
%RSD	4.862	.0843	28.22	.2395	34.10	.1892	23.85	5.502	.2070
#1	-.0071	198.5	.0461	1.687	.0016	48.17	-.0038	.0279	.3020
#2	-.0065	198.9	.0655	1.695	.0026	48.25	-.0035	.0272	.3032
#3	-.0067	198.6	.0381	1.690	.0033	48.07	-.0024	.0251	.3024
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	4.774	208.3	18.68	15.77	2.652	-0.288	2.887	1.624	48.02
Stddev	.005	.6	.30	.34	.011	.0022	.184	.0031	.13
%RSD	.1053	.2961	1.587	2.148	.4153	7.618	6.377	1.899	.2698
#1	4.776	207.6	18.99	15.40	2.657	-.0307	3.019	1.604	47.89
#2	4.768	208.8	18.63	16.06	2.639	-.0264	2.677	1.660	48.03
#3	4.777	208.4	18.40	15.86	2.660	-.0295	2.966	1.609	48.15
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	1.139	-0.103	9.402	.0960	.6637	6.992	-0.281	.4877	1.173
Stddev	.0095	.0316	.031	.0080	.0014	.021	.0482	.0020	.004
%RSD	7.212	307.2	.3331	8.383	.2035	.2979	171.9	.4026	.3048
#1	.1425	-.0431	9.439	.0869	.6629	6.991	-.0786	.4899	1.177
#2	.1294	.0199	9.386	.1023	.6629	6.971	.0174	.4864	1.173
#3	.1240	-.0076	9.383	.0988	.6652	7.013	-.0230	.4867	1.170
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2147.2	4717.2	42452.	5536.4					
Stddev	4.7	6.1	107.	18.7					
%RSD	.21932	.12908	.25199	.33728					
#1	2150.7	4710.1	42444.	5529.8					
#2	2149.0	4720.5	42563.	5521.9					
#3	2141.8	4720.8	42350.	5557.5					

7.3
7

Sample Name: FA37168-11 Acquired: 10/17/2016 16:18:20 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 20.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	195.1	.0471	1.472	.0030	38.02	-0.025	.0241	2.799
Stddev	.0042	.6	.0103	.004	.0008	.06	.0016	.0005	.0037
%RSD	44.20	.3296	21.85	.2831	27.14	.1644	61.82	1.946	1.311
#1	.0035	194.7	.0426	1.467	.0025	37.96	-.0008	.0246	2.825
#2	-.0045	194.7	.0398	1.475	.0039	38.02	-.0038	.0240	2.757
#3	.0013	195.8	.0589	1.473	.0025	38.09	-.0030	.0237	2.816
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.187	193.6	16.37	14.00	2.048	-0.305	2.610	1.403	32.90
Stddev	.006	.3	.71	.20	.004	.0012	.120	.0030	.03
%RSD	.2040	.1600	4.322	1.425	.1973	3.811	4.597	2.150	.0939
#1	3.180	193.2	15.73	14.05	2.050	-.0303	2.493	1.434	32.87
#2	3.193	193.7	17.13	14.18	2.051	-.0318	2.733	1.374	32.94
#3	3.189	193.8	16.24	13.79	2.043	-.0295	2.603	1.400	32.90
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	1.175	.0153	9.582	.0894	.4857	6.747	-0.155	.4824	.9109
Stddev	.0116	.0156	.035	.0046	.0037	.012	.0109	.0030	.0039
%RSD	9.879	101.8	.3634	5.155	.7710	.1810	70.46	.6270	.4264
#1	.1247	-.0013	9.621	.0866	.4814	6.759	-.0030	.4857	.9144
#2	.1238	.0297	9.569	.0869	.4876	6.747	-.0200	.4798	.9116
#3	.1041	.0175	9.556	.0947	.4881	6.735	-.0234	.4817	.9067
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2144.9	4704.4	42243.	5458.0					
Stddev	1.6	4.0	24.	8.6					
%RSD	.07227	.08536	.05595	.15756					
#1	2146.5	4701.6	42234.	5449.7					
#2	2143.4	4702.7	42226.	5466.9					
#3	2144.8	4709.0	42270.	5457.4					

Sample Name: CRIA Acquired: 10/17/2016 16:22:43 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0085	.2286	.0101	.2151	.0052	1.133	.0053	.0530	.0109
Stddev	.0003	.0022	.0010	.0010	.0000	.007	.0000	.0000	.0002
%RSD	3.264	.9822	9.722	4.644	.2949	6.566	.8572	.0393	2.209
#1	.0088	.2296	.0104	.2146	.0052	1.125	.0053	.0531	.0112
#2	.0085	.2302	.0109	.2163	.0052	1.140	.0052	.0530	.0108
#3	.0082	.2261	.0090	.2146	.0052	1.133	.0053	.0530	.0107
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0266	.3252	10.63	5.526	.0162	.0480	10.75	.0422	.0054
Stddev	.0002	.0017	.02	.034	.0001	.0003	.06	.0000	.0010
%RSD	.9375	.5291	.2138	.6221	.5014	.5346	.5842	.0867	18.76</

Sample Name: ICSA Acquired: 10/17/2016 16:27:08 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	F 511.8	.0023	.0003	-0.002	497.7	-0.009	.0005	-0.005
Stddev	.0003	2.4	.0009	.0002	.0001	3.3	.0001	.0002	.0001
%RSD	59.70	.4610	39.90	94.46	27.69	.6602	11.91	36.37	14.47
#1	-0.002	511.6	.0013	.0001	-0.002	498.5	-0.008	.0004	-0.005
#2	-0.006	509.5	.0030	.0005	-0.001	500.5	-0.010	.0004	-0.006
#3	-0.008	514.2	.0025	.0002	-0.002	494.1	-0.008	.0007	-0.004

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.002	186.5	.1238	F 540.9	.0006	-0.001	.3251	.0001	-0.011
Stddev	.0003	.6	.0258	1.3	.0001	.0001	.0186	.0001	.0013
%RSD	138.9	.3063	20.88	.2480	17.14	59.45	5.720	186.5	116.8
#1	-0.005	185.8	.0940	539.5	.0006	.0000	.3143	.0001	-0.022
#2	-0.000	186.8	.1405	542.1	.0006	-0.002	.3144	.0002	-0.015
#3	-0.001	186.8	.1368	541.3	.0007	-0.002	.3465	-0.001	.0003

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.002	.0001	.0348	.0033	-0.0018	.0002	-0.0058	.0005	-0.013
Stddev	.0024	.0025	.0013	.0013	.0005	.0000	.0024	.0002	.0001
%RSD	125.3	174.3	3.823	40.37	28.74	16.33	42.33	41.81	8.630
#1	.0015	.0004	.0351	.0042	-0.0020	.0002	-0.0032	.0002	-0.014
#2	.0008	.0025	.0360	.0039	-0.0021	.0002	-0.0081	.0006	-0.012
#3	-0.0029	-0.0025	.0334	.0018	-0.0012	.0001	-0.0060	.0005	-0.014

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1668.5	4129.0	3694.3	5090.3
Stddev	5.1	4.9	81.	3.4
%RSD	.30448	.11977	.21796	.06603
#1	1671.6	4128.1	3685.0	5091.0
#2	1671.2	4134.3	3699.0	5093.2
#3	1662.6	4124.5	3698.8	5086.6

Sample Name: CCV Acquired: 10/17/2016 16:31:46 Type: QC
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2547	41.70	1.940	2.079	2.003	42.93	2.002	2.014	2.036
Stddev	.0006	.07	.005	.003	.002	.13	.002	.003	.007
%RSD	.2451	.1639	.2348	.1295	.1060	.2933	.0746	.1599	.3290
#1	.2544	41.74	1.935	2.081	2.004	43.04	2.001	2.012	2.031
#2	.2554	41.74	1.940	2.079	2.004	42.95	2.001	2.012	2.034
#3	.2543	41.62	1.945	2.076	2.001	42.79	2.003	2.018	2.044

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.008	41.14	41.66	42.65	2.042	1.997	41.15	1.975	1.987
Stddev	.003	.04	.06	.23	.009	.005	.03	.003	.004
%RSD	.1345	.0926	.1505	.5280	.4159	.2505	.0676	.1457	.1920
#1	2.005	41.16	41.73	42.88	2.044	1.992	41.14	1.974	1.983
#2	2.011	41.16	41.64	42.65	2.033	1.997	41.18	1.973	1.988
#3	2.009	41.09	41.61	42.43	2.049	2.002	41.12	1.978	1.990

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.950	1.967	2.273	2.032	1.995	1.983	1.981	1.987	2.071
Stddev	.007	.004	.004	.004	.002	.003	.003	.006	.003
%RSD	.3422	.2239	.1831	.1842	.0987	.1261	.1535	.3236	.1288
#1	1.942	1.962	2.269	2.029	1.993	1.980	1.977	1.986	2.072
#2	1.954	1.969	2.273	2.033	1.997	1.984	1.981	1.982	2.067
#3	1.952	1.969	2.277	2.036	1.996	1.985	1.983	1.994	2.072

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1668.5	4129.0	3694.3	5090.3
Stddev	5.1	4.9	81.	3.4
%RSD	.30448	.11977	.21796	.06603
#1	1671.6	4128.1	3685.0	5091.0
#2	1671.2	4134.3	3699.0	5093.2
#3	1662.6	4124.5	3698.8	5086.6

Sample Name: CCV Acquired: 10/17/2016 16:31:46 Type: QC
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1917.7	4450.7	40162.	5267.9
Stddev	4.3	8.9	139.	13.8
%RSD	.22490	.20103	.34651	.26137
#1	1918.6	4455.3	40285.	5263.5
#2	1921.5	4456.4	40190.	5256.8
#3	1913.0	4440.4	40011.	5283.3

Sample Name: CCB Acquired: 10/17/2016 16:35:59 Type: QC
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	.0167	.0005	.0002	.0001	.0106	.0000	.0000	.0001
Stddev	.0001	.0103	.0008	.0002	.0000	.0029	.0001	.0001	.0000
%RSD	29.71	61.31	185.3	104.9	35.38	27.02	392.7	508.1	41.22
#1	-0.003	.0270	.0008	.0000	.0001	.0130	.0000	-0.001	.0001
#2	-0.002	.0167	.0011	.0004	.0002	.0113	.0001	.0001	.0001
#3	-0.003	.0065	-0.005	.0001	.0001	.0074	.0000	.0000	.0002

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0050	.0202	-0.0121	.0001	-0.0009	.0475	.0000	.0000
Stddev	.0000	.0038	.0229	.0193	.0000	.0002	.0028	.0002	.001
%RSD	31.57	75.57	113.5	158.6	18.39	20.38	5.970	1510.	3553.
#1	-0.001	.0078	-0.017	-0.012	.0001	-0.007	.0506	.0002	-0.002
#2	-0.001	.0068	.0183	-0.0318	.0000	-0.010	.0470	-0.002	-0.008
#3	-0.001	.0007	.0440	.0066	.0001	-0.011	.0450	.0000	.0009

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.010	-0.0009	.0015	.0001	.0001	-0.001	-0.0008	.0003	.0001
Stddev	.0009	.0002	.0001	.0001	.0000	.0001	.0013	.0001	.0001
%RSD	93.82	20.31	7.938	249.8	27.00	67.53	171.4	34.94	74.17
#1	-0.017	-0.0009	.0015	.0000	.0001	-0.001	-0.007	.0003	.0000
#2	.0000	-0.0008	.0017	-0.0001	.0002	-0.001	.0005	.0003	.0001
#3	-0.012	-0.0011	.0014	.0002	.0001	-0.003	-0.0020	.0002	.0001

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1917.7	4450.7	40162.	5267.9
Stddev	4.3	8.9	139.	13.8
%RSD	.22490	.20103	.34651	.26137
#1	1918.6	4455.3	40285.	5263.5
#2	1921.5	4456.4	40190.	5256.8
#3	1913.0	4440.4	40011.	5283.3

Sample Name: CCB Acquired: 10/17/2016 16:35:59 Type: QC
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2151.1	4689.0	4227.0	5406.2
Stddev	3.9	1.4	174.	27.4
%RSD	.17952	.03017	.41217	.50610
#1	2155.0	4690.6	42096.	5375.4
#2	2147.2	4687.9	42444.	5427.7
#3	2151.3	4688.5	42268.	5415.4

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Sample Name: ICSAB Acquired: 10/17/2016 16:40:32 Type: Unk
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
IS Ref	F 1.014	F 520.0	1.051	.5529	.5123	F 501.9	.9627	.4915	.5159
Avg	.003	3.1	.001	.0018	.0023	6.6	.0012	.0004	.0023
Stddev	.2510	.5911	.0854	.3242	.4447	1.316	.1294	.0774	.4399
%RSD									
#1	1.013	518.2	1.051	.5536	.5111	500.7	.9613	.4916	.5139
#2	1.017	518.3	1.053	.5508	.5108	496.0	.9632	.4919	.5155
#3	1.013	523.6	1.051	.5542	.5149	509.0	.9636	.4911	.5184
Elem	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_3710)	Na5895 (Y_2243)	Ni2316 (Y_2243)	Pb2203 (In2306)
IS Ref	.5544	186.6	1.009	F 549.8	.5055	.9533	.3169	.9581	1.021
Avg	.0007	1.0	.0236	5.0	.0021	.0017	.0074	.0006	.004
Stddev	.1301	.5610	23.42	.9044	.4214	.1766	2.332	.0583	.4089
%RSD									
#1	.5547	186.5	.1104	550.7	.5038	.9518	.3100	.9578	1.017
#2	.5536	185.5	.0740	544.4	.5079	.9529	.3160	.9587	1.023
#3	.5549	187.6	.1183	554.2	.5048	.9551	.3247	.9577	1.024
Elem	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
IS Ref	1.007	1.004	.0781	.9551	.9875	.9732	.9887	.4682	.9878
Avg	.002	.007	.0006	.0009	.0026	.0020	.0040	.0013	.0014
Stddev	.2343	.7493	.7619	.0985	.2675	.2101	.4051	.2810	.1433
%RSD									
#1	1.008	1.012	.0775	.9556	.9852	.9709	.9847	.4677	.9861
#2	1.005	.9979	.0782	.9540	.9869	.9739	.9885	.4696	.9886
#3	1.009	1.002	.0787	.9557	.9904	.9748	.9927	.4671	.9885
Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S					
Avg	1637.4	4110.1	3687.6	5052.1					
Stddev	3.0	1.8	90.	53.2					
%RSD	.18321	.04336	.24338	1.0523					
#1	1640.1	4110.6	3697.0	5052.4					
#2	1634.2	4111.7	3686.5	5105.2					
#3	1637.8	4108.2	3679.1	4998.8					

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7.3
7

Sample Name: CCV Acquired: 10/17/2016 16:45:01 Type: QC
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.2552	41.83	1.935	2.086	2.006	42.90	1.996	2.006	2.046
Stddev	.0003	.14	.003	.005	.007	.16	.003	.001	.004
%RSD	.1267	.3227	.1761	.2280	.3745	.3834	.1408	.0349	.1918
#1	.2548	41.69	1.932	2.086	1.999	42.74	1.999	2.007	2.044
#2	.2555	41.95	1.939	2.091	2.014	43.07	1.994	2.006	2.044
#3	.2552	41.84	1.936	2.081	2.007	42.90	1.994	2.007	2.051

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	2.009	41.13	41.75	42.53	2.047	1.995	41.22	1.969	1.983
Stddev	.007	.15	.12	.21	.005	.002	.16	.002	.007
%RSD	.3378	.3628	.2991	.4872	.2265	.0771	.3940	.0895	.3521
#1	2.007	40.96	41.60	42.30	2.044	1.994	41.04	1.971	1.988
#2	2.017	41.20	41.82	42.66	2.044	1.994	41.31	1.968	1.987
#3	2.004	41.24	41.82	42.65	2.052	1.997	41.32	1.970	1.975

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	1.944	1.962	2.265	2.022	2.000	1.990	1.981	1.993	2.062
Stddev	.004	.005	.002	.002	.005	.002	.003	.003	.003
%RSD	.1782	.2416	.0759	.0998	.2593	.0861	.1465	.1332	.1581
#1	1.941	1.958	2.264	2.025	1.994	1.991	1.983	1.991	2.065
#2	1.943	1.961	2.263	2.022	2.004	1.992	1.978	1.991	2.060
#3	1.947	1.967	2.267	2.021	2.001	1.988	1.983	1.996	2.060

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

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Sample Name: CCV Acquired: 10/17/2016 16:45:01 Type: QC
Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1918.3	4465.8	4005.0	5290.0
Stddev	2.3	2.7	78.	33.6
%RSD	.12084	.06004	.19387	.63514
#1	1915.8	4468.5	3997.3	5327.6
#2	1918.5	4465.7	40128.	5279.1
#3	1920.4	4463.2	40048.	5263.1

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Sample Name: CCB Acquired: 10/17/2016 16:49:13 Type: QC
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0192	.0004	.0000	.0001	.0150	.0000	.0000	.0000
Stddev	.0000	.0093	.0004	.0002	.0000	.0055	.0000	.0001	.000
%RSD	52.73	48.26	121.6	808.0	33.80	36.76	39.23	187.9	1431.
#1	.0000	.0202	-.0001	.0000	.0001	.0214	.0000	.0001	-.0003
#2	.0001	.0095	.0008	.0003	.0002	.0113	.0000	.0001	.0001
#3	.0000	.0280	.0003	-.0002	.0001	.0124	.0000	-.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0046	.0302	.0014	.0001	-.0008	.0526	.0001	.0006
Stddev	.0002	.0034	.0094	.0197	.0001	.0003	.0030	.0002	.0007
%RSD	70.12	74.72	31.04	1453.	102.9	33.29	5.746	182.7	118.7
#1	-.0004	.0059	.0268	-.0214	.0001	-.0005	.0548	.0002	.0001
#2	-.0001	.0072	.0231	.0138	.0001	-.0008	.0491	.0002	.0003
#3	-.0002	.0007	.0409	.0116	.0000	-.0010	.0539	-.0001	.0014

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	.0008	.0016	.0001	.0001	-.0002	-.0009	.0003	.0001
Stddev	.0002	.0006	.0002	.0003	.0000	.0001	.0004	.0000	.0001
%RSD	77.14	74.25	13.46	200.5	17.28	33.01	47.39	7.933	97.32
#1	-.0005	.0008	.0018	-.0001	.0001	-.0002	-.0005	.0003	.0002
#2	-.0005	.0013	.0017	.0001	.0002	-.0001	-.0013	.0004	.0001
#3	.0000	.0002	.0014	.0004	.0001	-.0002	-.0010	.0003	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 10/17/2016 16:49:13 Type: QC
 Method: 60102007_042011(v320) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2156.2	4673.7	4205.2	5382.4
Stddev	2.9	3.2	84.	29.1
%RSD	.13416	.06949	.19986	.54079
#1	2156.9	4677.0	42110.	5402.5
#2	2153.0	4670.5	41956.	5349.1
#3	2158.6	4673.6	42091.	5395.7

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000009	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000082	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000016	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000087	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000005	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000001	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000116	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	-0.000001	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000013	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000035	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000060	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	-0.000002	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	0.000021	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000031	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000094	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	0.000019	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000014	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	10/17/2016 8:58:07	10/17/2016 8:18:50	Linear	1/Conc	-0.000070	0.623896	0.000000	1.000000
Al 396.152 { 85}	10/17/2016 8:58:07	10/17/2016 8:18:50	Linear	1/Conc	0.001395	0.182402	0.000000	1.000000
As 189.042 {478}	10/17/2016 8:58:07	10/17/2016 8:18:50	Linear	1/Conc	-0.000771	0.189283	0.000000	1.000000
Ba 455.403 { 74}	10/17/2016 8:58:07	10/17/2016 8:18:50	Linear	1/Conc	0.000182	8.414245	0.000000	1.000000
Be 313.042 {108}	10/17/2016 8:58:07	10/17/2016 8:18:50	Linear	1/Conc	0.000417	10.161544	0.000000	1.000000
Ca 317.933 {106}	10/17/2016 8:58:07	10/17/2016 8:18:50	Linear	1/Conc	0.007675	0.245832	0.000000	1.000000
Cd 226.502 {449}	10/17/2016 8:58:07	10/17/2016 8:18:50	Linear	1/Conc	-0.001335	4.833290	0.000000	1.000000
Co 228.616 {447}	10/17/2016 8:58:07	10/17/2016 8:18:50	Linear	1/Conc	-0.000571	2.703987	0.000000	1.000000
Cr 267.716 {126}	10/17/2016 8:58:07	10/17/2016 8:18:50	Linear	1/Conc	-0.000087	0.483695	0.000000	1.000000
Cu 324.754 {104}	10/17/2016 8:58:07	10/17/2016 8:18:50	Linear	1/Conc	0.006425	0.828865	0.000000	1.000000
Fe 259.940 {130}	10/17/2016 8:58:07	10/17/2016 8:18:50	Linear	1/Conc	0.001949	0.162064	0.000000	1.000000
In 230.606 {446}*	10/17/2016 8:58:07	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	10/17/2016 8:58:07	10/17/2016 8:18:50	Linear	1/Conc	-0.003242	0.077317	0.000000	1.000000
Mg 279.079 {121}	10/17/2016 8:58:07	10/17/2016 8:18:50	Linear	1/Conc	0.000385	0.023070	0.000000	1.000000
Mn 257.610 {131}	10/17/2016 8:58:07	10/17/2016 8:18:50	Linear	1/Conc	0.000542	2.422756	0.000000	1.000000
Mo 202.030 {467}	10/17/2016 8:58:07	10/17/2016 8:18:50	Linear	1/Conc	0.003077	1.147625	0.000000	1.000000
Na 589.592 { 57}	10/17/2016 8:58:07	10/17/2016 8:18:50	Linear	1/Conc	0.000975	0.313955	0.000000	1.000000
Ni 231.604 {445}	10/17/2016 8:58:07	10/17/2016 8:18:50	Linear	1/Conc	-0.000553	1.601144	0.000000	1.000000
Pb 220.353 {453}	10/17/2016 8:58:07	10/17/2016 8:18:50	Linear	1/Conc	-0.000204	0.923005	0.000000	1.000000
Sb 206.833 {463}	10/17/2016 8:58:07	10/17/2016 8:18:50	Linear	1/Conc	0.000687	0.248206	0.000000	1.000000
Se 196.090 {472}	10/17/2016 8:58:07	10/17/2016 8:18:50	Linear	1/Conc	-0.000297	0.136122	0.000000	1.000000
Si 212.412 {459}	10/17/2016 8:58:07	10/17/2016 8:18:50	Linear	1/Conc	0.004552	0.429504	0.000000	1.000000
Sn 189.989 {477}	10/17/2016 8:58:07	10/17/2016 8:18:50	Linear	1/Conc	0.000538	0.419026	0.000000	1.000000
Sr 407.771 { 83}	10/17/2016 8:58:07	10/17/2016 8:18:50	Linear	1/Conc	0.000865	14.665746	0.000000	1.000000
Ti 334.941 {101}	10/17/2016 8:58:07	10/17/2016 8:18:50	Linear	1/Conc	0.001509	1.792582	0.000000	1.000000
Tl 190.856 {477}	10/17/2016 8:58:07	10/17/2016 8:18:50	Linear	1/Conc	-0.001206	0.318394	0.000000	1.000000
V 292.402 {115}	10/17/2016 8:58:07	10/17/2016 8:18:50	Linear	1/Conc	-0.000640	0.713363	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	10/17/2016 8:58:07	10/17/2016 8:18:50	Linear	1/Conc	0.001493	2.131054	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999966	0.000050	0.000331	0.001103	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999887	0.004428	0.007257	0.024191	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999935	0.000174	0.000834	0.002780	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999987	0.003398	0.000190	0.000634	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999942	0.008786	0.000058	0.000192	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999805	0.007825	0.002784	0.009279	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999933	0.004529	0.000051	0.000169	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999960	0.001948	0.000101	0.000337	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999862	0.000646	0.000255	0.000851	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999984	0.000379	0.000222	0.000739	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999719	0.006192	0.002121	0.007069	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999868	0.002021	0.027887	0.092958	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999904	0.000516	0.019015	0.063383	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999670	0.005016	0.000044	0.000145	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999979	0.000593	0.000139	0.000463	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999858	0.008517	0.006982	0.023273	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999945	0.001352	0.000174	0.000579	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999911	0.000996	0.000649	0.002163	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999943	0.000214	0.000994	0.003315	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999962	0.000095	0.001695	0.005651	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.994155	0.003757	0.000409	0.001363	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999946	0.000351	0.000323	0.001076	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999943	0.012587	0.000072	0.000239	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999882	0.002216	0.000102	0.000342	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999949	0.000259	0.001092	0.003639	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999964	0.000484	0.000227	0.000757	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999900	0.002422	0.000084	0.000279	OK	1.000000	0.000000	1	0

SGS Accutest - Orlando Metals Digestion Log Water

Method of digestion(circle one): SW846-3010A / SW846-3005A / EPA 200.7 / SM3030C

MP #: 30879

Prep Date/Time (mm/dd/yy 24:00): 9/26/16 10:40

HotBlock I.D. 6

Thermometer I.D. 60701

Correction Factor (°C) -1

Temperature Observed/Corrected (°C) 94, 93

Volume

Spk. Sol. ^A	Used(ml)	Pipette #
ACC 954	0.50	10
ACC 924	0.25	10
M45541	0.25	10

Dig. Tube Lot#: 1512329

Added ^B:

HNO₃

HCL

Lot#

0000133393

4115120

Sample #	Initial Volume(ml)	pH<2	Final Volume(ml)	Comments
Method Blank(MB)	50.0	N/A	50.0	
Spike Blank(SB)		N/A		
Matrix Spike(MS)		✓		
Matrix Spike Dup(MSD)		✓		
Duplicate(DUP)		✓		
1 QC ^C FA37101-2F 5		✓		
2 ↓ 6F ↓		✓		
3 ↓ 7F ↓		✓		
4 ↓ 8F ↓		✓		
5 ↓ 9F ↓		✓		
6 ↓ 10F ↓		✓		
7 FA37213-21 2		✓		
8 ↓ 22 ↓		✓		
9 ↓ 23 ↓		✓		
10 ↓ 24 ↓		✓		
11 ↓ 25 ↓		✓		
12 ↓ 26 ↓		✓		
13 ↓ 27 ↓		✓		
14 ↓ 28 ↓		✓		
15 ↓ 29 ↓		✓		
16 ↓ 30 ↓		✓		
17 ↓ 31 ↓		✓		
18 ↓ 32 ↓		✓		
19 FA37197-1 11		✓		
20 FA37168-14 1		✓		
21 ^E				
22 ^E				9/26/16
23 ^E				
24 ^E				

Analyst: DB

QC Review: *[Signature]*

Date: 9/26/16

Date: 9.26.16

- A Used for SB, MS, MSD
- B For reagent volumes used consult SOP MET 103, current revision
- C Parent sample used to prepare MS, MSD, DUP
- D Bottle Number
- E Additional matrix QC

*DB 9/26/16

icpwaterdigestionlog 0316.xls

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5g Drysieve
DOD

SGS Accutest - Orlando
MP #: 30974

Metals Digestion Log Soil

Method of Digestion: SW846-3050B^M

Prep Date/Time (mm/dd/yy 24:00): 10/13/16 11:55
 HotBlock I.D. 6974 CECW3279
 Thermometer I.D. MERCURY
 Correction Factor (°C) -1
 Temperature Observed/Corrected (°C) 94 / 93
 Balance I.D. ADVPRO3

Spk. Sol. A	Volume Used(ml)	Pipette #
ACC 964	1.00	10
ACC 949	0.50	10
MET 5541	0.50	10

Filter Lot#: 160217041
 Dig. Tube Lot#: 1509104

Added^B:
 Lot# H₂O₂ HNO₃ HCL PTFE Boiling Chips
157487 0000133393 0000132880 N66B-SD015

Sample #	Wt. g	Final Volume(ml)	Comments
Method Blank(MB)	5.00	100.0	USED 5x reagents FOR digestion (PB) 10/13/16
Spike Blank(SB)	5.00		
Matrix Spike(MS)	5.11		
Matrix Spike Dup(MSD)	5.16		
Duplicate(DUP)	5.18		
1 QC ^C FA37168-1 ^{D1}	5.26		
2 D2=FA37168-1	5.10		
3			
4	5.08		
5	5.15		
6	5.16		
7	5.14		
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21 ^E			
22 ^E			
23 ^E			
24 ^E			

Analyst: D. B...
 QC Review: D. P...

Date: 10/13/16
 Date: 10/14/16

A Used for SB, MS, MSD
 B For reagent volumes used consult SOP MET 104, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional Matrix QC

icpsoidigestionlog 0316.xls

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*e-Hardcopy 2.0
Automated Report*

Technical Report for

Kemron Environmental Services, Inc

Ft Ord; CA

07202.2001

SGS Accutest Job Number: FA37168R

Sampling Date: 09/21/16

Report to:

Kemron Environmental Services, Inc
4522 Joe Lloyd Way
Monterey, CA 93944
emiddleditch@gilbaneco.com

ATTN: Eric Middleditch

Total number of pages in report: 92



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Sue Bell 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), IL(200063), NC(573), NJ(FL002), NY(12022), SC(96038001)
DoD ELAP(L-A-B L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177),
AK, AR, GA, IA, KY, MA, NV, OK, OR, UT, WA

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Test results relate only to samples analyzed.

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Sample Summary

Kemron Environmental Services, Inc

Job No: FA37168R

Ft Ord; CA

Project No: 07202.2001

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
FA37168-2R	09/21/16	11:08 LF	09/22/16	SO	Soil	33-01SC0001SO04
FA37168-3R	09/21/16	11:25 LF	09/22/16	SO	Soil	33-01SC0002SO04
FA37168-5R	09/21/16	12:25 LF	09/22/16	SO	Soil	33-01SC0001SO02
FA37168-6R	09/21/16	12:40 LF	09/22/16	SO	Soil	33-01SC0002SO02
FA37168-9R	09/21/16	09:30 LF	09/22/16	SO	Soil	33-01SC0001SO01
FA37168-10R	09/21/16	09:50 LF	09/22/16	SO	Soil	33-01SC0002SO01
FA37168-12R	09/21/16	10:17 LF	09/22/16	SO	Soil	33-01SC0001SO03
FA37168-13R	09/21/16	10:38 LF	09/22/16	SO	Soil	33-01SC0002SO03

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

2

Client: Kemron Environmental Services, Inc

Job No: FA37168R

Site: Ft Ord; CA

Report Date: 11/14/2016 12:45:03 PM

8 Sample(s) were collected on 09/21/2016 and were received at SGS Accutest Southeast (SASE) on 09/22/2016 properly preserved, at 3.6 Deg. C and intact. These Samples received an SASE job number of FA37168R. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix: SO

Batch ID: MP31146

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA37168-2RDUP, FA37168-2RMS, FA37168-2RMSD, FA37168-2RSDL, FA37168-2RPS were used as the QC samples for metals.

MP31146-PS1 for Lead: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Kim Benham, Client Services (signature on file)

Date: November 14, 2016

Monday, November 14, 2016

Page 1 of 1

Summary of Hits

Job Number: FA37168R
Account: Kemron Environmental Services, Inc
Project: Ft Ord; CA
Collected: 09/21/16



Lab Sample ID	Client Sample ID	Result/ Analyte	LOQ	LOD	Units	Method
FA37168-2R	33-01SC0001SO04					
Lead		5.4	2.0	0.39	mg/kg	SW846 6010C
FA37168-3R	33-01SC0002SO04					
Lead		9.8	1.9	0.38	mg/kg	SW846 6010C
FA37168-5R	33-01SC0001SO02					
Lead		18.5	1.9	0.39	mg/kg	SW846 6010C
FA37168-6R	33-01SC0002SO02					
Lead		2.0	1.9	0.37	mg/kg	SW846 6010C
FA37168-9R	33-01SC0001SO01					
Lead		2.7	1.9	0.38	mg/kg	SW846 6010C
FA37168-10R	33-01SC0002SO01					
Lead		1.5 J	2.0	0.40	mg/kg	SW846 6010C
FA37168-12R	33-01SC0001SO03					
Lead		8.0	1.9	0.39	mg/kg	SW846 6010C
FA37168-13R	33-01SC0002SO03					
Lead		2.2	1.9	0.38	mg/kg	SW846 6010C

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: 33-01SC0001SO04	Date Sampled: 09/21/16
Lab Sample ID: FA37168-2R	Date Received: 09/22/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.1
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	5.4	2.0	0.39	0.098	mg/kg	5	11/10/16	11/11/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13566

(2) Prep QC Batch: MP31146

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SC0002SO04	
Lab Sample ID: FA37168-3R	Date Sampled: 09/21/16
Matrix: SO - Soil	Date Received: 09/22/16
	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.2
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	9.8	1.9	0.38	0.094	mg/kg	5	11/10/16	11/11/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13566

(2) Prep QC Batch: MP31146

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SC0001SO02	Date Sampled: 09/21/16
Lab Sample ID: FA37168-5R	Date Received: 09/22/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.3
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	18.5	1.9	0.39	0.096	mg/kg	5	11/10/16	11/11/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13566

(2) Prep QC Batch: MP31146

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SC0002SO02	Date Sampled: 09/21/16
Lab Sample ID: FA37168-6R	Date Received: 09/22/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.4
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.0	1.9	0.37	0.094	mg/kg	5	11/10/16	11/11/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13566

(2) Prep QC Batch: MP31146

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SC0001SO01	Date Sampled: 09/21/16
Lab Sample ID: FA37168-9R	Date Received: 09/22/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.5
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.7	1.9	0.38	0.094	mg/kg	5	11/10/16	11/11/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13566

(2) Prep QC Batch: MP31146

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SC0002SO01	Date Sampled: 09/21/16
Lab Sample ID: FA37168-10R	Date Received: 09/22/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.6
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	1.5 J	2.0	0.40	0.099	mg/kg	5	11/10/16	11/11/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13566

(2) Prep QC Batch: MP31146

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SC0001SO03	Date Sampled: 09/21/16
Lab Sample ID: FA37168-12R	Date Received: 09/22/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.7
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	8.0	1.9	0.39	0.097	mg/kg	5	11/10/16	11/11/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13566

(2) Prep QC Batch: MP31146

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SC0002SO03	Date Sampled: 09/21/16
Lab Sample ID: FA37168-13R	Date Received: 09/22/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.8
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.2	1.9	0.38	0.095	mg/kg	5	11/10/16	11/11/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13566

(2) Prep QC Batch: MP31146

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Misc. Forms**5****Custody Documents and Other Forms**

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 E.Middleditch@GilbaneCo.com

COC # FA37168
Gilbane

Project Name: Fort Ord	Project Number: 07202.2001	WBS Code: -	Laboratory: Accutest Laboratories, Orlando, FL
Point of contact: Sue Bell 813-741-3338 sueb@accutest.com			
Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811			

Comments:	Equipment:	Analytical Test Method	Code	Matrix
			SO	SOIL
			WQ	WATER QUALITY CONTROL MATRIX
			Code	Container/Preservative
			2	2" TL amber, 4 degrees C
			1	1" 1.0-1.5 kilogram bag
			13	1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016							2	13	1	1
Sample ID	Matrix	Date	Time	Samp Init.	Location ID	Sample Type	Depth (ft bgs)			
							Top	Bottom		
33-0100005004	SO	21-Sept-16	1048	LDF	33-01 step-out 4		0.0			
33-0100015004	SO	21-Sept-16	1103	LDF	33-01 step-out 4		10.0			
33-0100025004	SO	21-Sept-16	1125	LDF	33-01 step-out 4		2.0			
33-0100035002	SO	21-Sept-16	1214	LDF	33-01 step-out 2		0.0			
33-0100010002	SO	21-Sept-16	1225	LDF	33-01 step-out 2		10.0			
33-0100025002	SO	21-Sept-16	1240	LDF	33-01 step-out 2		10.0			
33-01300005002	SO	21-Sept-16	1336	LDF	33-01 step-out 2		0.0			
8										
9										

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	21-Sept-16	1530	FEDEX			
FEDEX			J. COLE (ASA)	9-22-16	07:30	
						Received by Laboratory: (Signature, Date, Time) & condition

ENV COC_Recd July 06, 2015

3.6 3.8

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CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # 1 - 0

FA37168



Project Name: Fort Ord § D V H Z L G H 5 D Q J H § V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: § 5 §	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Analytical Test Method SW830B - Explosives SW610C - Lead SW830B - Explosives by ISM SW610C - Lead by ISM	Code Matrix
		SO SOIL
Equipment:		Code Container/Preservative
		2 2" 1L amber, 4 degrees C
		1 1" 1.0-1.5 kilogram bag
		13 1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016									
Sample ID	Matrix	Date	Time	Samp Init.			Location ID	Sample Type	Depth (ft bgs) Top - Bottom
1 32-ER-015-0322	WQ	21-Sept-16	0713	LDF	1		Equipment - Air		
2									
3									
4									
5									
6									
7									
8									
9									

Cooler # 1 Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	21-Sept-16	1530	FEDEX			
FEDEX			J. Corn (AW)	9-21-16	07:30	
						Received by Laboratory: (Signature, Date, Time) & condition

ENV COC Record July 06, 2015

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SGS ACCUTEST - ORLANDO SAMPLE RECEIPT CONFIRMATION

SGS ACCUTEST'S JOB NUMBER: FA37168 CLIENT: GILBANE PROJECT: FOLD DRD
 DATE/TIME RECEIVED: 9-23-16 09:30 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 2
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER DELIVERY OTHER: _____
 AIRBILL NUMBERS: 8104 1332 0622

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM _____ 5-GRAM _____
 NUMBER OF 5035 FIELD KITS ? _____
 NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- IR THERM ID 1 CORR. FACTOR 0.1
- OBSERVED TEMPS: 10 4.2
- CORRECTED TEMPS: 3.6 3.8 (USED FOR LIMS)

SAMPLE INFORMATION

- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S). RECEIVED BROKEN
- 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- % SOLIDS JAR NOT RECEIVED
- RESIDUAL CHLORINE PRESENT LOT# _____

{APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

TEST STRIP LOT#s pH 0-3 230315 pH 10-12 219813A OTHER (specify) _____

SUMMARY OF COMMENTS: _____

TECHNICIAN SIGNATURE/DATE [Signature] 9-23-16 REVIEWER SIGNATURE/DATE [Signature] 9-23-16
 NF 02/16 receipt confirmation 020116.xls

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ORIGIN ID: MRYA (925) 946-3100
GILBANE FEDERAL

GRANT ST FL 12

RD. 7A 945202445
STATES US

SHIP DATE: 21SEP16
ACTWT: 18.20 LB
CAD: /POS1721
DIMS: 24x13x13 IN
BILL SENDER

0622 **MPLE RECEIVING**
09.22 **CUTEST LABORATORIES**
4405 VINELAND RD
STE C15
ORLANDO FL 32811

(407) 426-6700
REF: REPT:



1 of 2
TRK# 8104 1332 0622
0215
MASTER

XH TIXA

THU - 22 SEP 10:30A
PRIORITY OVERNIGHT

32811
FL-US MCO



ORIGIN ID: MRYA (925) 946-3100
GILBANE FEDERAL

1655 GRANT ST FL 12

CONCORD, CA 945202445
UNITED STATES US

SHIP DATE: 21SEP16
ACTWT: 20.80 LB
CAD: /POS1721
DIMS: 18x13x10 IN
BILL SENDER

10 **SAMPLE RECEIVING**
ACCUTEST LABORATORIES
4405 VINELAND RD
STE C15
ORLANDO FL 32811

(407) 426-6700
REF: REPT:



2 of 2
MPS# 7841 5087 7653
0691
Mstr# 8104 1332 0622

XH TIXA

THU - 22 SEP 10:30A
PRIORITY OVERNIGHT

32811
FL-US MCO



CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # 1 - 8



Project Name: Fort Ord	D V H Z L G H S D Q J H S V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001		Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - 5 5		Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method SW8330B - Explosives SW6010C - Lead SW8330B - Explosives by ISM SW6010C - Lead by ISM	Code Matrix
			SO SOIL
			WQ WATER QUALITY CONTROL MATRIX
			Code Container/Preservative
			2 2" 1L amber, 4 degrees C
			1 1" 1.0-1.5 kilogram bag
			13 1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016									
Sample ID	Matrix	Date	Time	Samp Init.	*	Location ID	Sample Type	Depth (ft bgs)	
								Top	Bottom
1 73-0100030004	SO	21-Sep-16	1048	LDF	X	33-01 Stop out 4		0.0	
2 73-0100010004	SO	21-Sep-16	1103	LDF	X	33-01 Stop out 4		10.5	Hold*
3 73-0100020004	SO	21-Sep-16	1125	LDF	X	33-01 Stop out 4		2.0	Hold*
4 73-0100030003	SO	21-Sep-16	1214	LDF	X	33-01 Stop out 2		0.0	
5 73-0100010002	SO	21-Sep-16	1225	LDF	X	33-01 Stop out 2		0.0	Hold*
6 73-0100020002	SO	21-Sep-16	1240	LDF	X	33-01 Stop out 2		0.0	Hold*
7 73-0100030002	SO	21-Sep-16	1250	LDF	X	33-01 Stop out 2		0.0	
8									
9									

Cooler # Turnaround Time: 14 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
[Signature]	21-Sep-16	1530	FEDEX			
FEDEX						

ENV/COC Record July 06, 2015

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CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # 1-8



Project Name: Fort Ord	EDVHZLGH	SDQJH	SVVHVP	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 sueb@accutest.com			
WBS Code: - - 1 5 5	Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811			

Comments:	Equipment:	Analytical Test Method	SW8330B - Explosives	SW6010C - Lead	SW8330B - Explosives by ISM	SW6010C - Lead by ISM	Code Matrix
							SO SOIL
							Code Container/Preservative
							2 2" 1L amber, 4 degrees C
							1 1" 1.0-1.5 kilogram bag
							13 1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016										
Sample ID	Matrix	Date	Time	Samp Init.				Location ID	Sample Type	Depth (ft bgs) Top - Bottom
1 33-01500000000001	SO	21-Sep-16	0855	LDF			X	21-01-Top-001		1.0
2 33-01500000000002	SO	21-Sep-16	0930	LDF			X	21-01-Top-001		1.0
3 33-01500000000003	SO	21-Sep-16	0950	LDF			X	21-01-Top-001		1.0
4 33-01500000000003	SO	21-Sep-16	1003	LDF			X	21-01-Top-001		1.0
5 33-01500000000003	SO	21-Sep-16	1017	LDF			X	21-01-Top-001		1.0
6 33-01500000000003	SO	21-Sep-16	1038	LDF			X	21-01-Top-001		1.0
7										
8										
9										

Hold*
Hold*
Hold*
Hold*

PH: g11base 9/22/16

Cooler #	Turnaround Time: 14 Days					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	21-Sep-16	1530	FEDEX			
<i>[Signature]</i>						
Received by Laboratory: (Signature, Date, Time) & condition						

SNV COC Record July 06, 2015

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FA37168R: Chain of Custody
Page 7 of 11

CHAIN-OF-CUSTODY RECORD

Gilbane
Eric Middleditch
3333 South Wadsworth Blvd. Lakewood, CO 80227
(303) 269-9724 EMiddleditch@GilbaneCo.com

COC # 1 - 8



Project Name: Fort Ord	L D V H Z L G H S D Q J H S V V H V P	Laboratory: Accutest Laboratories, Orlando, FL
Project Number: 07202.2001		Point of contact: Sue Bell 813-741-3338 sueb@accutest.com
WBS Code: - - 1 5 5		Ship to: 4405 Vineland Road, C-15 Orlando, FL 32811

Comments:	Analytical Test Method SW8330B - Explosives SW8010C - Lead SW8330B - Explosives by ISM SW8010C - Lead by ISM	Code Matrix
		SO SOIL
Equipment:		WQ WATER QUALITY CONTROL MATRIX
		Code Containers/Preservative 2 2" 1L amber, 4 degrees C 1 1" 1.0-1.5 kilogram bag 13 1" 250ml poly, with HNO3

Event ID: Basewide Range Assessment Spring 2016									
Sample ID	Matrix	Date	Time	Samp Init.			Location ID	Sample Type	Depth (ft bgs) Top - Bottom
1 07-ER-C13-0002	WQ	21-Sep-16	0719	LPF	Y		Equipment Rinse		
2									
3									
4									
5									
6									
7									
8									
9									

Cooler # 1	Turnaround Time: 14 Days					
Relinquished by: (Signature) <i>[Signature]</i>	Date 21-Sep-16	Time 1530	Received by: (Signature) <i>[Signature]</i>	Date	Time	Shipping Date / Carrier / Airbill Number
FEDEX						
						Received by Laboratory: (Signature, Date, Time) & condition

ENV.COC_Record
July 06, 2015

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Job Change **FA37168**

Requested Date: 9/28/2016
Account Name: Gilbane Company
Project Fort Ord AFB, CA
CSR: sueb

Received Date: 9/22/2016
Due Date: 10/6/2016
Deliverable: FULT1
TAT (Days): 14

=====
Sample #: FA37168-various **Change:**
A revised COC submitted by client with edited sample IDs.

=====
Sample #: FA37168-1 **Change:**
Change sample ID to: 33-01SC0000SO04

33-010000SO04

=====
Sample #: FA37168-2 **Change:**
Change sample ID to: 33-01SC0001SO04

33-010001SO04

=====
Sample #: FA37168-3 **Change:**
Change sample ID to: 33-01SC0002SO04

33-010002SO04

Above Changes Per: Peggy Cota **Date/Time:** 9/28/2016 10:12:00 AM

This Change Order is confirmation of the revisions, previously discussed with the SGS Accutest Client Service Representative.

Job Change FA37168

Requested Date: 10/19/2016
Account Name: Gilbane Company
Project Fort Ord AFB, CA
CSR: sueb

Received Date: 9/22/2016
Due Date: 10/17/2016
Deliverable: FULT1
TAT (Days): 14

Sample #: FA37168-2,3,5,6,9,10,12,13

Change:
Please log in DRYSIEVE & PB

Above Changes Per: Kristen

Date/Time: 10/19/2016 2:41:06 PM

This Change Order is confirmation of the revisions, previously discussed with the SGS Accutest Client Service Representative.

Page 1 of 1 **FA37168R: Chain of Custody**
Page 11 of 11

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QC Evaluation: DOD QSM5 Limits

Job Number: FA37168R
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 09/21/16

QC Sample ID	CAS#	Analyte	Sample Result Type	Result Type	Result	Units	Limits
--------------	------	---------	--------------------	-------------	--------	-------	--------

MP31146 SW846 6010C

MP31146-B1	7439-92-1	Lead	BSP	REC	102	%	81-112
MP31146-S1	7439-92-1	Lead	MS	REC	98.7	%	81-112
MP31146-S2	7439-92-1	Lead	MSD	REC	103.5	%	81-112
MP31146-S2	7439-92-1	Lead	MSD	RPD	1.3	%	20
MP31146-D1	7439-92-1	Lead	DUP	RPD	3.6	%	20
MP31146-D2	7439-92-1	Lead	DUP	RPD	1.9	%	20

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* Sample used for QC is not from job FA37168R

Metals Analysis

9

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA37168R
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA111116M1.ICP Date Analyzed: 11/11/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13566
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:37	MA13566-STD1	1		STDA
08:41	MA13566-STD2	1		STDB
08:44	MA13566-STD3	1		STDC
08:47	MA13566-STD4	1		STDD
08:51	MA13566-HSTD1	1		
08:55	MA13566-ICV1	1		
09:04	MA13566-ICB1	1		
09:15	MA13566-CR1A1	1		
09:19	MA13566-ICSA1	1		
09:25	MA13566-ICSAB1	1		
09:30	MA13566-CCV1	1		
09:35	MA13566-CCB1	1		
09:40	MP31146-MB1	5		
09:45	MP31146-B1	5		
09:49	FA37168-2R	5		
09:53	MP31146-D1	5		
09:57	MP31146-D2	5		
10:02	MP31146-SD1	25		
10:06	MP31146-PS1	5		
10:11	MP31146-S1	5		
10:15	MP31146-S2	5		
10:19	FA37168-3R	5		
10:24	MA13566-CCV2	1		
10:28	MA13566-CCB2	1		
10:32	FA37168-5R	5		
10:37	FA37168-6R	5		
10:41	FA37168-9R	5		
10:45	FA37168-10R	5		
10:50	FA37168-12R	5		
10:54	FA37168-13R	5		
----->	Last reportable sample/prep for job FA37168R			
10:58	MP31148-MB1	1		
11:03	MP31148-B1	1		
11:16	MA13566-CCV3	1		

6.1
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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA37168R
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA111116M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 11/11/16
Run ID: MA13566
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:20	MA13566-CCB3	1		
11:42	ZZZZZZ	5		
11:47	ZZZZZZ	5		
11:51	ZZZZZZ	5		
11:56	ZZZZZZ	5		
12:00	ZZZZZZ	5		
12:05	ZZZZZZ	5		
12:09	MA13566-CCV4	1		
12:13	MA13566-CCB4	1		
12:18	ZZZZZZ	5		
12:22	ZZZZZZ	5		
12:27	ZZZZZZ	5		
12:31	ZZZZZZ	5		
12:40	ZZZZZZ	5		
13:02	MA13566-CCV5	1		
13:06	MA13566-CCB5	1		
13:24	MP31150-MB1	1		
13:29	MP31150-B1	1		
13:33	FA38567-1	1		(sample used for QC only; not part of login FA37168R)
13:37	MP31150-D1	1		
13:42	MP31150-SD1	5		
13:46	MP31150-PS1	1		
13:51	MP31150-S1	1		
13:55	MA13566-CCV6	1		
14:00	MA13566-CCB6	1		
14:04	MP31150-S2	1		
14:09	ZZZZZZ	1		
14:13	ZZZZZZ	5		
14:18	ZZZZZZ	5		
14:27	ZZZZZZ	1		
14:36	ZZZZZZ	1		
14:40	ZZZZZZ	1		
14:45	ZZZZZZ	1		

6.1
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA37168R
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA111116M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 11/11/16
Run ID: MA13566
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:49	MA13566-CCV7	1		
14:53	MA13566-CCB7	1		
15:02	ZZZZZZ	1		
15:07	ZZZZZZ	5		
15:30	ZZZZZZ	1		
15:35	MA13566-CRIA2	1		
15:39	MA13566-ICSA2	1		
15:44	MA13566-CCV8	1		
15:48	MA13566-CCB8	1		
15:52	MA13566-ICSAB2	1		
15:57	MA13566-CCV9	1		
16:01	MA13566-CCB9	1		

-----> Last reportable CCB for job FA37168R
Refer to raw data for calibration curve and standards.

6.1
6

INTERNAL STANDARD SUMMARY

Login Number: FA37168R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA111116M1.ICP Date Analyzed: 11/11/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13566
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:37	MA13566-STD1	4880	44172	4740	2374
08:41	MA13566-STD2	4795	43263	4808	2251
08:44	MA13566-STD3	4574	41258	4741	2038
08:47	MA13566-STD4	4404	39770	4708	1883
08:51	MA13566-HSTD1	4445	39825	4638	1891
08:55	MA13566-ICV1	4607	41212	4713	2043
09:04	MA13566-ICB1	4898 R	44143 R	4861 R	2380 R
09:15	MA13566-CR1A1	4851	43314	4886	2317
09:19	MA13566-ICSA1	4258	37733	4538	1774
09:25	MA13566-ICSAB1	4200	37402	4432	1733
09:30	MA13566-CCV1	4566	41297	4738	2044
09:35	MA13566-CCB1	4867	44462	4818	2384
09:40	MP31146-MB1	4895	44992	4821	2383
09:45	MP31146-B1	4818	44035	4781	2312
09:49	FA37168-2R	4905	44411	4861	2293
09:53	MP31146-D1	4947	44602	4817	2310
09:57	MP31146-D2	4934	44317	4879	2305
10:02	MP31146-SD1	4894	44725	4915	2369
10:06	MP31146-PS1	4898	43892	4843	2252
10:11	MP31146-S1	4906	44025	4845	2257
10:15	MP31146-S2	4897	44026	4885	2252
10:19	FA37168-3R	4949	44516	4894	2292
10:24	MA13566-CCV2	4648	41589	4740	2069
10:28	MA13566-CCB2	4868	44422	4838	2377
10:32	FA37168-5R	4930	44355	4917	2301
10:37	FA37168-6R	4979	44328	4818	2288
10:41	FA37168-9R	4953	44623	4866	2297
10:45	FA37168-10R	4940	44426	4874	2295
10:50	FA37168-12R	4937	44764	4890	2306
10:54	FA37168-13R	4947	44511	4868	2293
10:58	MP31148-MB1	4885	45398	4898	2404
11:03	MP31148-B1	4719	43130	4851	2186
11:16	MA13566-CCV3	4593	41765	4785	2063

6.1.1
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INTERNAL STANDARD SUMMARY

Login Number: FA37168R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA111116M1.ICP Date Analyzed: 11/11/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13566
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:20	MA13566-CCB3	4852	44689	4876	2386
11:42	ZZZZZZ	5431	49631	5503	2199
11:47	ZZZZZZ	5208	48074	5345	2208
11:51	ZZZZZZ	5386	49188	5516	2133
11:56	ZZZZZZ	5464	49892	5477	2225
12:00	ZZZZZZ	5672	51767	5667	2246
12:05	ZZZZZZ	5308	48466	5341	2188
12:09	MA13566-CCV4	4539	41485	4706	2048
12:13	MA13566-CCB4	4839	44600	4784	2394
12:18	ZZZZZZ	5174	47511	5213	2218
12:22	ZZZZZZ	5478	50494	5623	2209
12:27	ZZZZZZ	4351	40069	4804	1874
12:31	ZZZZZZ	5262	48027	5282	2226
12:40	ZZZZZZ	5347	49162	5420	2214
13:02	MA13566-CCV5	4561	41835	4678	2069
13:06	MA13566-CCB5	4867	45279	4822	2418
13:24	MP31150-MB1	4890	46280	4859	2443
13:29	MP31150-B1	4685	43828	4786	2209
13:33	FA38567-1	5927	54721	6093	1986
13:37	MP31150-D1	5964	54689	6081	2033
13:42	MP31150-SD1	5040	46649	5059	2263
13:46	MP31150-PS1	5916	54913	6151 !	1993
13:51	MP31150-S1	5847	54184	6015	1956
13:55	MA13566-CCV6	4617	42533	4733	2103
14:00	MA13566-CCB6	4746	45005	4768	2381
14:04	MP31150-S2	5845	54313	6074	1953
14:09	ZZZZZZ	5879	54293	6037	1961
14:13	ZZZZZZ	4972	46152	5095	2121
14:18	ZZZZZZ	4282	39721	4611	1953
14:27	ZZZZZZ	4928	46482	4907	2389
14:36	ZZZZZZ	5758	54532	5909	2191
14:40	ZZZZZZ	4874	45974	5152	1975
14:45	ZZZZZZ	5085	48384	5141	2342

INTERNAL STANDARD SUMMARY

Login Number: FA37168R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA111116M1.ICP Date Analyzed: 11/11/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13566
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:49	MA13566-CCV7	4549	42681	4764	2103
14:53	MA13566-CCB7	4832	45618	4745	2430
15:02	ZZZZZZ	4930	47059	4946	2376
15:07	ZZZZZZ	4818	46223	4987	2286
15:30	ZZZZZZ	5407	51408	5916	1636
15:35	MA13566-CRIA2	4772	45549	4698	2393
15:39	MA13566-ICSA2	4151	39389	4436	1825
15:44	MA13566-CCV8	4537	43105	4616	2112
15:48	MA13566-CCB8	4803	46132	4748	2450
15:52	MA13566-ICSAB2	4175	39364	4408	1804
15:57	MA13566-CCV9	4482	43218	4628	2109
16:01	MA13566-CCB9	4744	46025	4719	2437

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.1.1
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA37168R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA111116M1.ICP
 QC Limits: result < RL

Date Analyzed: 11/11/16
 Run ID: MA13566

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	09:04 ICB1		09:35 CCB1		10:28 CCB2		11:20 CCB3	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14	anr							
Antimony		20	1	anr							
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		5.0	.2	anr							
Cadmium		4.0	.2	anr							
Calcium		5000	50	anr							
Chromium		10	1	anr							
Cobalt		50	.2	anr							
Copper		25	1	anr							
Iron		300	17	anr							
Lead		20	1	-0.10	<20	0.0	<20	0.10	<20	0.20	<20
Magnesium		5000	35	anr							
Manganese		15	.5	anr							
Molybdenum		50	.3	anr							
Nickel		40	.4	anr							
Potassium		10000	200	anr							
Selenium		20	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500	anr							
Strontium		10	.5	anr							
Thallium		10	1.1	anr							
Tin		50	.9	anr							
Titanium		10	.5	anr							
Vanadium		50	.5	anr							
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA37168R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA111116M1.ICP
 QC Limits: result < RL

Date Analyzed: 11/11/16
 Run ID: MA13566

Methods: SW846 6010C
 Units: ug/l

Metal	RL	IDL	Time:							
			Sample ID:	12:13 CCB4	13:06 CCB5	14:00 CCB6	14:53 CCB7	raw	final	raw
Aluminum	200	14	anr							
Antimony	20	1	anr							
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	5.0	.2	anr							
Cadmium	4.0	.2	anr							
Calcium	5000	50	anr							
Chromium	10	1	anr							
Cobalt	50	.2	anr							
Copper	25	1	anr							
Iron	300	17	anr							
Lead	20	1	0.40	<20	0.60	<20	0.30	<20	0.30	<20
Magnesium	5000	35	anr							
Manganese	15	.5	anr							
Molybdenum	50	.3								
Nickel	40	.4	anr							
Potassium	10000	200	anr							
Selenium	20	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.1	anr							
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
 6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA37168R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA111116M1.ICP
 QC Limits: result < RL

Date Analyzed: 11/11/16
 Run ID: MA13566

Methods: SW846 6010C
 Units: ug/l

Metal	RL	IDL	Time:				
			Sample ID:	15:48	16:01		
			CCB8	raw	final	CCB9	
				raw	final	raw	final
Aluminum	200	14	anr				
Antimony	20	1	anr				
Arsenic	10	1.3	anr				
Barium	200	1	anr				
Beryllium	5.0	.2	anr				
Cadmium	4.0	.2	anr				
Calcium	5000	50	anr				
Chromium	10	1	anr				
Cobalt	50	.2	anr				
Copper	25	1	anr				
Iron	300	17	anr				
Lead	20	1	0.20	<20	0.0	<20	
Magnesium	5000	35	anr				
Manganese	15	.5	anr				
Molybdenum	50	.3					
Nickel	40	.4	anr				
Potassium	10000	200	anr				
Selenium	20	2.4	anr				
Silver	10	.7	anr				
Sodium	10000	500	anr				
Strontium	10	.5					
Thallium	10	1.1	anr				
Tin	50	.9					
Titanium	10	.5					
Vanadium	50	.5	anr				
Zinc	20	3	anr				

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
 6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA37168R
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA111116M1.ICP Date Analyzed: 11/11/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13566 Units: ug/l

Metal	Time: Sample ID: ICV	08:55		CCV True	09:30		CCV True	10:24	
		ICV1	Results		Results	% Rec		CCV2	Results
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	1960	98.0	2000	2000	100.0	2000	2000	100.0
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium	anr								
Thallium	anr								
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA37168R
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA111116M1.ICP Date Analyzed: 11/11/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13566 Units: ug/l

Metal	Sample ID	Time:	11:16	% Rec	CCV	12:09	% Rec	CCV	13:02	% Rec
		CCV	CCV3		CCV4	CCV5				
		True	Results		True	Results		True	Results	
Aluminum		anr								
Antimony		anr								
Arsenic		anr								
Barium		anr								
Beryllium		anr								
Cadmium		anr								
Calcium		anr								
Chromium		anr								
Cobalt		anr								
Copper		anr								
Iron		anr								
Lead	2000	2000	2000	100.0	2000	2010	100.5	2000	1970	98.5
Magnesium		anr								
Manganese		anr								
Molybdenum										
Nickel		anr								
Potassium		anr								
Selenium		anr								
Silver		anr								
Sodium		anr								
Strontium										
Thallium		anr								
Tin										
Titanium										
Vanadium		anr								
Zinc		anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA37168R
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA111116M1.ICP Date Analyzed: 11/11/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13566 Units: ug/l

Metal	Sample ID	Time: CCV True	13:55 CCV6		14:49 CCV7		15:44 CCV8			
			Results	% Rec	Results	% Rec	Results	% Rec		
Aluminum		anr								
Antimony		anr								
Arsenic		anr								
Barium		anr								
Beryllium		anr								
Cadmium		anr								
Calcium		anr								
Chromium		anr								
Cobalt		anr								
Copper		anr								
Iron		anr								
Lead	2000		1930	96.5	2000	1930	96.5	2000	1920	96.0
Magnesium		anr								
Manganese		anr								
Molybdenum										
Nickel		anr								
Potassium		anr								
Selenium		anr								
Silver		anr								
Sodium		anr								
Strontium										
Thallium		anr								
Tin										
Titanium										
Vanadium		anr								
Zinc		anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA37168R
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA111116M1.ICP Date Analyzed: 11/11/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13566 Units: ug/l

Time:	15:57		
Sample ID:	CCV CCV9		
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	2000	1910	95.5
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA37168R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA111116M1.ICP Date Analyzed: 11/11/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13566 Units: ug/l

Time:	08:51		
Sample ID:	HSTD1		
Metal	HSTD True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	4000	4020	100.5
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium	anr		
Thallium	anr		
Tin	anr		
Titanium	anr		
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA37168R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA111116M1.ICP Date Analyzed: 11/11/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13566 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	09:15 CRIA1 Results	% Rec	15:35 CRIA2 Results	% Rec
Metal						
Aluminum	400	200	anr			
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	5.1	102.0	5.3	106.0
Magnesium	10000	5000	anr			
Manganese	30	15	anr			
Molybdenum	100	50	anr			
Nickel	80	40	anr			
Potassium	20000	10000	anr			
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10	anr			
Thallium	20	10	anr			
Tin	100	50	anr			
Titanium	20	10	anr			
Vanadium	100	50	anr			
Zinc	40	20	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA37168R
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA111116M1.ICP Date Analyzed: 11/11/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13566 Units: ug/l

Time:	ICSA	ICSAB	09:19		09:25		15:39		15:52	
Sample ID:	True	True	ICSA1	% Rec	ICSAB1	% Rec	ICSA2	% Rec	ICSAB2	% Rec
Metal			Results		Results		Results		Results	
Aluminum	500000	500000	505000	101.0	520000	104.0	510000	102.0	509000	101.8
Antimony		1000	0.0		1070	107.0	2.1		1060	106.0
Arsenic		1000	0.90		1130	113.0	1.4		1110	111.0
Barium		500	0.0		535	107.0	0.10		546	109.2
Beryllium		500	-0.20		524	104.8	-0.10		496	99.2
Cadmium		1000	0.10		976	97.6	-0.60		978	97.8
Calcium	500000	500000	489000	97.8	502000	100.4	467000	93.4	472000	94.4
Chromium		500	0.60		515	103.0	0.70		490	98.0
Cobalt		500	0.30		488	97.6	0.50		503	100.6
Copper		500	0.0		552	110.4	0.80		494	98.8
Iron	200000	200000	181000	90.5	183000	91.5	178000	89.0	178000	89.0
Lead		1000	-0.20		1010	101.0	-6.2		955	95.5
Magnesium	500000	500000	527000	105.4	538000	107.6	540000	108.0	547000	109.4
Manganese		500	-0.40		511	102.2	-0.60		470	94.0
Molybdenum		1000	0.20		991	99.1	-0.20		1030	103.0
Nickel		1000	-0.30		981	98.1	-0.50		965	96.5
Potassium			63.1		48.6		118		48.5	
Selenium		1000	0.0		1050	105.0	-1.7		1060	106.0
Silver		1000	-0.60		987	98.7	-0.80		963	96.3
Sodium			117		151		378		213	
Strontium		1000	-0.50		1060	106.0	-0.70		996	99.6
Thallium		1000	0.0		1010	101.0	0.10		948	94.8
Tin		1000	2.9 (a)		976	97.6	2.9		935	93.5
Titanium		1000	-0.30		1030	103.0	-0.10		947	94.7
Vanadium		500	-0.10		481	96.2	0.20		442	88.4
Zinc		1000	-2.5		975	97.5	-3.0		951	95.1

(*) Outside of QC limits
(anr) Analyte not requested
(a) Verified trace level impurity.

6.1.6
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA37168R
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP31146
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 11/10/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.4	3.5		
Antimony	2.0	.1	.13		
Arsenic	1.0	.13	.2		
Barium	20	.1	.1		
Beryllium	0.50	.02	.05		
Cadmium	0.40	.02	.05		
Calcium	500	5	5		
Chromium	1.0	.1	.1		
Cobalt	5.0	.02	.05		
Copper	2.5	.1	.1		
Iron	30	1.7	1.7		
Lead	2.0	.1	.1	-0.040	<2.0
Magnesium	500	3.5	3.6		
Manganese	1.5	.05	.05		
Molybdenum	5.0	.03	.05		
Nickel	4.0	.04	.05		
Potassium	1000	20	20		
Selenium	2.0	.24	.24		
Silver	1.0	.07	.082		
Sodium	1000	50	50		
Strontium	1.0	.05	.05		
Thallium	1.0	.11	.11		
Tin	5.0	.09	.09		
Titanium	1.0	.05	.05		
Vanadium	5.0	.05	.05		
Zinc	2.0	.3	.3		

Associated samples MP31146: FA37168-2R, FA37168-3R, FA37168-5R, FA37168-6R, FA37168-9R, FA37168-10R, FA37168-12R, FA37168-13R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.21
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA37168R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP31146
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 11/10/16 11/10/16

Metal	FA37168-2R		RPD	QC Limits	FA37168-2R		QC Limits
	Original	DUP			Original	DUP	
Aluminum							
Antimony							
Arsenic							
Barium							
Beryllium							
Cadmium							
Calcium							
Chromium							
Cobalt							
Copper							
Iron							
Lead	5.4	5.6	3.6	0-20	5.4	5.3	1.9 0-20
Magnesium							
Manganese							
Molybdenum							
Nickel							
Potassium							
Selenium							
Silver							
Sodium							
Strontium							
Thallium							
Tin							
Titanium							
Vanadium							
Zinc							

Associated samples MP31146: FA37168-2R, FA37168-3R, FA37168-5R, FA37168-6R, FA37168-9R, FA37168-10R, FA37168-12R, FA37168-13R

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA37168R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP31146
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 11/10/16

Metal	FA37168-2R Original MS	Spikelot MPFLICP2 % Rec	QC Limits
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead	5.4 14.9	9.66 98.7	80-120
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

Associated samples MP31146: FA37168-2R, FA37168-3R, FA37168-5R, FA37168-6R, FA37168-9R, FA37168-10R, FA37168-12R, FA37168-13R

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA37168R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP31146
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 11/10/16

Metal	FA37168-2R Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit		
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead	5.4	15.1	9.36	103.5	1.3	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP31146: FA37168-2R, FA37168-3R, FA37168-5R, FA37168-6R, FA37168-9R, FA37168-10R, FA37168-12R, FA37168-13R

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA37168R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP31146
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 11/10/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	10.2	10	102.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP31146: FA37168-2R, FA37168-3R, FA37168-5R, FA37168-6R, FA37168-9R, FA37168-10R, FA37168-12R, FA37168-13R

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.2.3
 6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA37168R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP31146
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 11/10/16

Metal	FA37168-2R	QC
	Original SDL 5:25 %DIF	Limits

Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	278	273	2.0	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP31146: FA37168-2R, FA37168-3R, FA37168-5R, FA37168-6R, FA37168-9R, FA37168-10R, FA37168-12R, FA37168-13R

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.2.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA37168R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP31146
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date:

11/10/16

Metal	Sample ml	Final ml	FA37168-2R Raw	PS Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead	9.8	10	278.1	272.538	485.7	0.2	2.5	50	426.3*(a)	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP31146: FA37168-2R, FA37168-3R, FA37168-5R, FA37168-6R, FA37168-9R, FA37168-10R, FA37168-12R, FA37168-13R

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(**) Corr. sample result = Raw * (sample volume / final volume)

(anr) Analyte not requested

(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

Instrument Detection Limits

Job Number: FA37168R
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1	Effective Date: 01/27/15
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Analyte	IDL ug/l
Aluminum	14
Antimony	1
Arsenic	1.3
Barium	1
Beryllium	.2
Cadmium	.2
Calcium	50
Chromium	1
Cobalt	.2
Copper	1
Iron	17
Lead	1
Magnesium	35
Manganese	.5
Molybdenum	.3
Nickel	.4
Potassium	200
Selenium	2.4
Silicon	5
Silver	.7
Sodium	500
Strontium	.5
Sulfur	5
Thallium	1.1
Tin	.9
Titanium	.5
Vanadium	.5
Zinc	3

The above applies to the following instrument runs:
MA13566

6.3
6

Instrument Linear Ranges

Job Number: FA37168R
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1

Effective Date: 08/13/13

Analyte	Linear Range ug/l
Aluminum	500000
Antimony	10000
Arsenic	10000
Barium	10000
Beryllium	10000
Cadmium	10000
Calcium	500000
Chromium	10000
Cobalt	10000
Copper	10000
Iron	500000
Lead	10000
Magnesium	500000
Manganese	10000
Molybdenum	10000
Nickel	10000
Potassium	80000
Selenium	10000
Silver	1000
Sodium	80000
Strontium	10000
Sulfur	10000
Thallium	10000
Tin	10000
Titanium	10000
Vanadium	10000
Zinc	10000

The above applies to the following instrument runs:
MA13566

Metals Analysis

Raw Data

Sample Name: Blank Acquired: 11/11/2016 8:37:29 Type: Cal
Method: 60102007_042011(v363) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0002	.0039	-0.0008	.0009	.0006	.0062	-0.011	-0.006	-0.001
Stddev	.0001	.0011	.0001	.0004	.0002	.0006	.0001	.0002	.0001
%RSD	59.20	29.16	15.46	43.72	43.50	9.208	6.195	38.57	101.1
#1	.0003	.0035	-0.0009	.0008	.0003	.0055	-0.012	-0.004	-0.001
#2	.0002	.0052	-0.0008	.0006	.0006	.0066	-0.011	-0.005	.0000
#3	.0001	.0030	-0.0007	.0013	.0008	.0064	-0.011	-0.008	-0.001

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0022	.0021	-0.0026	.0001	.0014	.0021	.0009	-0.002	-0.007
Stddev	.0000	.0001	.0014	.0003	.0001	.0003	.0015	.0004	.0001
%RSD	1.589	4.463	53.59	379.2	4.355	14.06	165.0	165.2	12.08
#1	.0022	.0021	-0.0041	-0.0003	.0013	.0024	.0013	-0.002	-0.007
#2	.0022	.0021	-0.0023	.0003	.0014	.0022	-0.008	-0.005	-0.006
#3	.0022	.0020	-0.0014	.0003	.0014	.0018	.0022	-0.004	-0.008

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0005	-0.0007	.0066	.0002	.0016	.0018	-0.016	-0.005	.0016
Stddev	.0002	.0001	.0000	.0000	.0001	.0002	.0003	.0000	.0002
%RSD	31.64	13.36	.5686	16.37	7.272	12.29	18.60	1.987	9.501
#1	.0006	-0.0008	.0066	.0002	.0015	.0016	-0.017	-0.005	.0017
#2	.0005	-0.0007	.0066	.0002	.0017	.0018	-0.019	-0.005	.0018
#3	.0003	-0.0006	.0067	.0002	.0017	.0020	-0.013	-0.005	.0015

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2374.3	4880.0	44172.	4740.1
Stddev	3.0	11.4	79.	45.4
%RSD	.12710	.23262	.17893	.95742
#1	2372.4	4870.2	44100.	4700.9
#2	2377.8	4892.4	44160.	4789.8
#3	2372.8	4877.3	44257.	4729.7

Raw Data MA13566 page 1 of 130

Sample Name: LowStd Acquired: 11/11/2016 8:41:08 Type: Cal
Method: 60102007_042011(v363) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0356	1.667	.0921	3.877	5.083	2.460	2.421	1.299	2.337
Stddev	.0002	.005	.0002	.016	.011	.004	.003	.003	.0004
%RSD	.6123	.2743	.1793	.4033	.2193	.1432	.1159	.2058	.1592
#1	.0357	1.663	.0919	3.859	5.071	2.457	2.424	1.302	2.334
#2	.0354	1.672	.0922	3.883	5.087	2.459	2.419	1.297	2.336
#3	.0358	1.666	.0922	3.889	5.092	2.464	2.419	1.297	2.341

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.3913	1.368	.8419	2.018	1.301	4.870	3.388	.8315	4.457
Stddev	.0003	.001	.0022	.0013	.005	.0004	.004	.0012	.0024
%RSD	.0868	.0965	.2560	.6287	.3709	.0904	.1107	.1430	.5449
#1	.3916	1.367	.8439	2.027	1.297	4.875	3.384	.8310	4.480
#2	.3913	1.367	.8422	2.023	1.301	4.866	3.389	.8306	4.460
#3	.3909	1.369	.8396	2.003	1.306	4.869	3.391	.8328	4.432

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1228	.0646	.2136	.2096	7.207	8.973	.1592	.3645	1.172
Stddev	.0002	.0004	.0008	.0002	.014	.0022	.0006	.0009	.002
%RSD	.2009	.5564	.3839	.0912	.1893	.2471	.3531	.2414	.1513
#1	.1226	.0645	.2132	.2097	7.216	8.992	.1598	.3635	1.174
#2	.1227	.0650	.2131	.2094	7.192	8.949	.1588	.3652	1.172
#3	.1230	.0644	.2145	.2097	7.215	8.978	.1589	.3647	1.171

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2251.2	4794.8	43263.	4807.9
Stddev	2.2	6.0	195.	17.0
%RSD	.09626	.12577	.45082	.35266
#1	2249.6	4793.9	43354.	4823.2
#2	2253.7	4801.2	43395.	4789.7
#3	2250.4	4789.3	43039.	4810.8

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Sample Name: MidStd Acquired: 11/11/2016 8:44:24 Type: Cal
Method: 60102007_042011(v363) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1491	7.214	3.892	16.13	20.83	10.48	9.900	5.297	9.497
Stddev	.0006	.013	.0009	.04	.01	.02	.019	.009	.0062
%RSD	.3850	.1840	.2431	.2215	.0432	.1647	.1897	.1763	.6480
#1	.1484	7.202	3.882	16.11	20.83	10.46	9.902	5.300	9.429
#2	.1494	7.212	3.894	16.17	20.84	10.47	9.880	5.287	9.515
#3	.1494	7.229	3.901	16.11	20.83	10.50	9.917	5.305	9.548

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.610	6.495	3.682	8.782	5.280	1.995	14.69	3.359	1.895
Stddev	.003	.009	.007	.0039	.016	.003	.00	.006	.008
%RSD	.2032	.1430	.1867	.4438	.3006	.1385	.0228	.1885	.4263
#1	1.609	6.498	3.676	8.787	5.264	1.995	14.69	3.360	1.890
#2	1.607	6.485	3.690	8.740	5.283	1.992	14.69	3.352	1.890
#3	1.613	6.503	3.681	8.818	5.295	1.998	14.70	3.365	1.904

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.5129	.2746	.8574	.8368	29.12	3.657	6.690	1.481	4.784
Stddev	.0017	.0001	.0023	.0023	.02	.015	.0016	.007	.011
%RSD	.3273	.0503	.2626	.2784	.0596	.3953	.2409	.4555	.2269
#1	.5126	.2745	.8569	.8369	29.11	3.643	6.683	1.475	4.785
#2	.5114	.2748	.8554	.8345	29.14	3.655	6.678	1.480	4.772
#3	.5147	.2746	.8598	.8391	29.11	3.672	6.708	1.488	4.794

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2037.7	4573.5	41258.	4741.1
Stddev	3.9	9.7	268.	20.4
%RSD	.19025	.21121	.65075	.43127
#1	2039.1	4574.8	41527.	4751.7
#2	2040.7	4582.5	41259.	4754.0
#3	2033.3	4563.3	40990.	4717.5

Raw Data MA13566 page 3 of 130

Sample Name: HighStd Acquired: 11/11/2016 8:47:43 Type: Cal
Method: 60102007_042011(v363) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.980	13.98	7.586	31.66	40.20	20.16	19.17	10.33	1.848
Stddev	.0011	.03	.0010	.11	.12	.10	.01	.01	.004
%RSD	.3765	.1945	.1277	.3458	.2966	.5014	.0726	.1142	.2245
#1	2.993	14.00	7.584	31.71	40.09	20.05	19.17	10.32	1.843
#2	2.974	13.99	7.578	31.74	40.33	20.24	19.18	10.34	1.851
#3	2.973	13.95	7.597	31.54	40.19	20.20	19.15	10.32	1.849

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.175	12.37	7.134	1.705	10.07	3.860	28.74	6.486	3.801
Stddev	.004	.03	.022	.004	.11	.004	.11	.009	.003
%RSD	.1277	.2031	.3145	.2160	1.078	.1163	.3720	.1445	.0790
#1	3.174	12.34	7.113	1.702	10.06	3.862	28.63	6.479	3.804
#2	3.171	12.39	7.158	1.704	9.960	3.863	28.85	6.497	3.799
#3	3.179	12.37	7.131	1.709	10.18	3.855	28.73	6.483	3.799

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.000	.5433	2.141	1.607	55.25	6.989	1.322	2.871	9.266

Sample Name: HSTD Acquired: 11/11/2016 8:51:53 Type: QC
 Method: 60102007_042011(v363) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4954	79.58	3.927	3.948	3.939	79.15	3.921	3.921	3.962
Stddev	.0016	.46	.007	.016	.021	.51	.003	.002	.013
%RSD	.3288	.5785	.1918	.4069	.5313	.6396	.0630	.0470	.3177

#1	.4942	79.88	3.918	3.951	3.951	79.61	3.922	3.922	3.948
#2	.4947	79.05	3.931	3.930	3.915	78.61	3.923	3.922	3.965
#3	.4972	79.82	3.931	3.961	3.951	79.24	3.918	3.919	3.973

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.971	79.44	79.09	80.05	3.931	3.912	79.34	3.918	4.021
Stddev	.012	.41	.45	.60	.015	.001	.49	.005	.006
%RSD	.3125	.5139	.5704	.7513	.3720	.0362	.6151	.1234	.1433

#1	3.975	79.69	79.40	80.53	3.920	3.912	79.63	3.920	4.027
#2	3.980	78.97	78.57	79.38	3.925	3.913	78.77	3.921	4.016
#3	3.957	79.66	79.30	80.24	3.947	3.910	79.60	3.912	4.019

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.914	3.928	4.288	3.908	3.951	3.932	3.983	3.946	3.946
Stddev	.004	.003	.003	.005	.038	.014	.007	.005	.005
%RSD	.1056	.0679	.0774	.1202	.9684	.3548	.1682	.1258	.1351

#1	3.918	3.925	4.284	3.913	3.990	3.916	3.986	3.940	3.948
#2	3.910	3.931	4.288	3.908	3.914	3.943	3.988	3.947	3.950
#3	3.916	3.929	4.291	3.904	3.950	3.935	3.976	3.950	3.940

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 11/11/2016 8:51:53 Type: QC
 Method: 60102007_042011(v363) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1890.7	4444.9	39825.	4638.0
Stddev	4.2	8.7	89.	43.9
%RSD	.22019	.19490	.22263	.94701

#1	1892.8	4449.2	39919.	4604.7
#2	1893.4	4450.6	39811.	4687.8
#3	1885.9	4434.9	39743.	4621.5

Sample Name: ICV Acquired: 11/11/2016 8:55:47 Type: QC
 Method: 60102007_042011(v363) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2470	41.02	1.951	2.114	1.999	42.42	1.974	1.970	1.978
Stddev	.0007	.12	.002	.003	.006	.28	.002	.003	.002
%RSD	.2744	.2835	.0853	.1163	.2967	.6596	.1186	.1387	.1092

#1	.2467	40.90	1.952	2.111	1.992	42.14	1.973	1.969	1.979
#2	.2465	41.05	1.949	2.116	2.002	42.43	1.973	1.968	1.975
#3	.2478	41.13	1.952	2.114	2.002	42.70	1.977	1.973	1.979

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.966	40.03	41.13	42.69	2.007	1.904	41.05	1.975	1.961
Stddev	.001	.17	.22	.23	.005	.001	.20	.002	.000
%RSD	.0410	.4327	.5359	.5413	.2338	.0560	.4880	.0932	.0109

#1	1.966	39.84	40.89	42.45	2.010	1.903	40.82	1.977	1.961
#2	1.967	40.07	41.18	42.91	2.002	1.904	41.13	1.973	1.961
#3	1.965	40.18	41.32	42.72	2.009	1.905	41.20	1.974	1.961

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.953	1.965	.0550	2.089	1.917	1.972	2.037	1.875	1.979
Stddev	.002	.004	.0008	.003	.004	.001	.004	.005	.003
%RSD	.1247	.2224	1.418	.1348	.2086	.0333	.1789	.2433	.1544

#1	1.952	1.961	.0542	2.087	1.912	1.971	2.032	1.874	1.978
#2	1.955	1.964	.0551	2.089	1.920	1.972	2.039	1.871	1.977
#3	1.951	1.970	.0558	2.093	1.918	1.972	2.038	1.880	1.983

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 11/11/2016 8:55:47 Type: QC
 Method: 60102007_042011(v363) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2043.1	4607.0	41212.	4712.6
Stddev	2.5	3.8	41.	38.8
%RSD	.12245	.08231	.10020	.82396

#1	2045.2	4608.1	41178.	4752.0
#2	2043.7	4610.0	41258.	4711.5
#3	2040.4	4602.7	41200.	4674.4

Sample Name: ICB Acquired: 11/11/2016 9:04:48 Type: QC
 Method: 60102007_042011(v363) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.041	.0005	-0.002	.0000	-0.102	.0000	-0.001	.0001
Stddev	.0002	.0034	.0004	.0002	.000	.0011	.000	.0000	.0001
%RSD	459.0	83.06	76.15	73.91	135.4	10.68	161.9	32.89	152.0

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.013	.0086	-0.252	-0.003	-0.005	.0042	.0000	-0.001
Stddev	.0002	.0018	.0262	.0285	.0000	.0001	.0055	.0001	.0005
%RSD	318.2	140.0	302.8	105.0	4.929	23.94	131.1	254.6	468.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.003	.0007	-0.001	-0.001	-0.002	.0007	-0.002	-0.003
Stddev	.000	.0006	.0003	.0002	.0001	.0000	.0009	.0000	.0000
%RSD	769.2	218.9	41.16	378.5	115.6	28.56	127.0	15.48	8.025

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 11/11/2016 9:04:48 Type: QC
 Method: 60102007_042011(v363) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2380.4	4898.0	44143.	4861.2
Stddev	3.7	11.0	144.	54.1
%RSD	.15595	.22400	.32560	1.1123

#1 2378.0 4886.8 44051. 4855.5
 #2 2378.5 4898.3 44069. 4918.0
 #3 2384.6 4908.8 44308. 4810.3

Sample Name: CRIA Acquired: 11/11/2016 9:15:45 Type: QC
 Method: 60102007_042011(v363) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0085	.2122	.0107	.2114	.0053	1.098	.0054	.0545	.0108
Stddev	.0001	.0058	.0003	.0011	.0000	.004	.0000	.0001	.0003
%RSD	1.377	2.725	3.213	4.980	.8483	.3327	.3848	.2397	2.900

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0270	.3090	10.52	5.322	.0164	.0504	10.58	.0442	.0051
Stddev	.0004	.0003	.05	.022	.0001	.0002	.01	.0000	.0003
%RSD	1.372	.1072	4.334	4.203	.8929	.3539	.0569	.0864	6.110

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049	.0103	.0671	.0550	.0103	.0104	.0111	.0511	.0220
Stddev	.0009	.0001	.0006	.0004	.0001	.0001	.0003	.0001	.0001
%RSD	18.27	1.369	.9491	.7817	1.212	.6142	2.432	.2675	.6798

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 11/11/2016 9:15:45 Type: QC
 Method: 60102007_042011(v363) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2316.8	4851.1	43314.	4886.0
Stddev	4.5	14.4	108.	23.9
%RSD	.19272	.29733	.24864	.48938

#1 2312.1 4840.1 43224. 4858.5
 #2 2321.0 4867.4 43286. 4898.3
 #3 2317.2 4845.7 43433. 4901.4

Sample Name: ICSA Acquired: 11/11/2016 9:19:22 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.006	504.5	.0009	.0000	-0.0002	489.1	.0001	.0003	.0006
Stddev	.0003	2.5	.0013	.0001	.0001	.4	.0002	.0001	.0001
%RSD	50.41	.5010	150.8	289.1	38.66	.0883	322.4	18.37	15.58
#1	-0.009	501.6	.0013	.0000	-0.002	489.1	.0003	.0002	.0007
#2	-0.003	505.5	-0.006	.0000	-0.002	488.7	.0000	.0003	.0006
#3	-0.005	506.3	.0019	.0001	-0.001	489.5	-0.001	.0003	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	181.4	.0631	527.0	-0.0004	-0.0002	.1172	-0.0003	-0.0002
Stddev	.0002	.8	.0255	2.0	.0001	.0001	.0049	.0003	.0007
%RSD	2518.	.4154	40.43	.3794	15.02	52.03	4.175	113.6	378.8
#1	-0.002	180.8	.0739	526.7	-0.004	.0001	.1184	-0.002	.0000
#2	.0001	181.2	.0339	525.2	-0.003	.0003	.1213	-0.006	-0.010
#3	.0001	182.2	.0814	529.2	-0.003	.0002	.1118	.0000	.0004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0000	.0044	F .0029	-0.0005	-0.0003	.0000	-0.0001	-0.0025
Stddev	.001	.0005	.0017	.0005	.0002	.0002	.0014	.0001	.0000
%RSD	2362.	1720.	38.60	18.35	32.66	52.23	6609.	111.7	1.924
#1	-0.003	-0.005	.0038	.0030	-0.006	-0.002	-0.003	.0000	-0.0026
#2	-0.006	.0006	.0031	.0033	-0.006	-0.003	.0015	-0.001	-0.0025
#3	.0008	-0.001	.0064	.0023	-0.003	-0.005	-0.011	-0.002	-0.0025

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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7.1
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Sample Name: ICSA Acquired: 11/11/2016 9:19:22 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1774.3	4258.2	3773.3	4537.5
Stddev	4.2	8.8	60.	3.5
%RSD	.23718	.20689	.15947	.07643
#1	1770.3	4250.9	37698.	4541.3
#2	1774.0	4255.8	37699.	4534.5
#3	1778.7	4268.0	37803.	4536.7

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Sample Name: ICSAB Acquired: 11/11/2016 9:25:50 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9868	520.3	1.131	.5350	.5238	502.0	.9757	.4884	.5145
Stddev	.0019	4.5	.004	.0015	.0015	2.5	.0007	.0002	.0034
%RSD	.1937	.8722	.3809	.2777	.2776	.4939	.0678	.0381	.6650
#1	.9850	517.6	1.127	.5335	.5253	499.5	.9757	.4884	.5170
#2	.9888	517.8	1.136	.5365	.5237	502.0	.9763	.4887	.5159
#3	.9866	525.6	1.131	.5350	.5224	504.5	.9750	.4883	.5106

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5518	182.6	.0486	537.6	.5114	.9911	.1509	.9808	1.010
Stddev	.0015	.7	.0319	1.8	.0021	.0013	.0022	.0012	.002
%RSD	.2661	.3624	65.74	.3317	.4158	.1269	1.432	.1266	.1699
#1	.5518	183.3	.0123	539.2	.5128	.9907	.1534	.9805	1.011
#2	.5532	182.6	.0609	537.9	.5125	.9925	.1500	.9822	1.010
#3	.5503	182.0	.0726	535.6	.5090	.9901	.1494	.9797	1.008

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.073	1.052	.0626	.9757	1.062	1.033	1.009	.4809	.9754
Stddev	.002	.003	.0006	.0039	.004	.004	.001	.0026	.0017
%RSD	.1962	.3231	.9295	.3950	.3872	.3869	.0483	.5423	.1788
#1	1.072	1.056	.0620	.9763	1.066	1.034	1.009	.4824	.9746
#2	1.075	1.049	.0624	.9792	1.062	1.036	1.008	.4824	.9774
#3	1.071	1.052	.0632	.9716	1.058	1.028	1.009	.4779	.9741

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: ICSAB Acquired: 11/11/2016 9:25:50 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1733.2	4200.2	3740.2	4432.2
Stddev	3.2	6.5	119.	16.1
%RSD	.18196	.15388	.31788	.36272
#1	1735.4	4197.2	37362.	4417.4
#2	1729.6	4195.8	37308.	4430.0
#3	1734.5	4207.6	37536.	4449.3

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Sample Name: CCV Acquired: 11/11/2016 9:30:25 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2510	40.73	2.038	2.022	2.030	40.99	2.040	2.034	2.032
Stddev	.0001	.13	.011	.004	.002	.04	.004	.006	.004
%RSD	.0416	.3262	.5171	.1793	.1014	.0931	.2065	.2984	.2232

#1	.2511	40.63	2.026	2.018	2.028	40.97	2.036	2.028	2.032
#2	.2511	40.88	2.041	2.023	2.032	41.03	2.039	2.034	2.037
#3	.2509	40.69	2.046	2.024	2.030	40.96	2.044	2.040	2.028

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.022	41.39	40.71	40.62	2.070	2.050	40.49	2.045	1.997
Stddev	.003	.07	.10	.09	.002	.006	.11	.004	.002
%RSD	.1418	.1811	.2476	.2132	.1108	.3163	.2604	.1739	.0754

#1	2.020	41.41	40.63	40.72	2.070	2.043	40.38	2.041	1.996
#2	2.025	41.46	40.82	40.56	2.072	2.049	40.59	2.045	1.997
#3	2.020	41.31	40.66	40.58	2.068	2.056	40.51	2.048	1.999

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.045	2.029	1.741	2.054	2.045	2.049	2.018	2.040	2.039
Stddev	.010	.004	.007	.001	.004	.006	.008	.003	.000
%RSD	.4865	.2032	.4048	.0577	.1811	.2838	.4072	.1357	.0207

#1	2.035	2.024	1.735	2.053	2.043	2.049	2.016	2.038	2.040
#2	2.044	2.030	1.740	2.053	2.049	2.055	2.010	2.043	2.039
#3	2.055	2.032	1.749	2.055	2.043	2.043	2.026	2.039	2.039

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 11/11/2016 9:30:25 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2043.7	4565.9	41297.	4738.2
Stddev	1.0	10.5	102.	23.6
%RSD	.04861	.22972	.24663	.49727

#1	2042.8	4577.7	41225.	4732.6
#2	2044.8	4562.2	41253.	4717.9
#3	2043.4	4557.7	41414.	4764.0

Sample Name: CCB Acquired: 11/11/2016 9:35:45 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0084	.0004	.0001	.0001	.0029	.0000	.0001	.0002
Stddev	.0001	.0085	.0005	.0000	.0000	.0018	.0000	.0001	.0003
%RSD	39.65	101.7	129.9	44.76	57.13	61.21	131.1	177.9	166.2

#1	.0001	-.0013	.0008	.0001	.0000	.0019	.0001	.0000	.0005
#2	.0002	.0115	.0003	.0001	.0001	.0018	.0000	.0002	.0001
#3	.0002	.0149	-.0001	.0000	.0001	.0050	.0000	.0000	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-.0005	.0072	-.0095	-.0003	-.0004	.0029	.0001	.0000
Stddev	.0000	.0035	.0152	.0203	.0000	.0002	.0020	.0001	.0002
%RSD	31.75	770.1	211.1	213.7	15.19	39.91	68.61	118.6	924.2

#1	.0001	.0011	.0236	.0116	-.0003	-.0002	.0008	.0001	.0003
#2	.0001	.0020	-.0064	-.0113	-.0003	-.0004	.0048	.0001	.0000
#3	.0001	-.0045	.0044	-.0288	-.0003	-.0006	.0032	.0000	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0003	.0008	.0004	.0000	-.0004	.0007	.0000	-.0003
Stddev	.0007	.0011	.0001	.0002	.000	.0001	.0008	.000	.0000
%RSD	297.9	420.4	16.66	37.40	81.61	29.38	123.4	184.6	8.174

#1	.0010	.0013	.0007	.0004	.0000	-.0003	.0000	.0000	-.0003
#2	-.0004	.0004	.0007	.0006	.0000	-.0004	.0016	.0000	-.0003
#3	.0001	-.0009	.0010	.0003	.0000	-.0005	.0004	-.0001	-.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 11/11/2016 9:35:45 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2383.7	4866.6	44462.	4817.8
Stddev	4.5	12.2	129.	26.6
%RSD	.18861	.25148	.28954	.55213

#1	2381.6	4854.7	44346.	4800.8
#2	2380.6	4866.1	44439.	4804.1
#3	2388.8	4879.1	44600.	4848.4

Sample Name: MP31146-MB1 Acquired: 11/11/2016 9:40:28 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.015	-0.089	-0.034	-0.001	-0.005	-0.036	-0.001	-0.004
Stddev	.0016	.0323	.0005	.0003	.0004	.0093	.0002	.0004
%RSD	102.9	362.0	14.39	261.6	82.98	258.8	302.8	110.9
#1	-.0015	.0074	-.0028	-.0002	-.0008	-.0128	.0002	-.0004
#2	-.0031	-.0461	-.0037	-.0002	-.0007	.0058	-.0002	-.0001
#3	.0000	.0119	-.0037	-.0004	.0000	-.0038	-.0002	-.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024	-0.002	.0241	-0.087	-0.278	-0.013	-0.042	.0433
Stddev	.0004	.0004	.0146	.1520	.1246	.0002	.0004	.0252
%RSD	16.38	224.6	60.69	1744.	447.5	11.70	9.522	58.26
#1	.0024	-.0003	.0158	.1651	.0338	-.0015	-.0038	.0272
#2	.0028	-.0003	.0410	-.1169	-.1712	-.0012	-.0045	.0303
#3	.0020	-.0006	.0156	-.0744	.0539	-.0013	-.0044	.0723

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	-0.020	F-.0051	.0002	.0130	F.0986	-0.010	-0.017
Stddev	.0003	.0009	.0027	.0059	.0006	.0010	.0002	.0003
%RSD	57.47	43.67	53.65	2511.	4.876	1.052	17.14	15.30
#1	.0002	-.0023	-.0021	.0060	.0123	.0993	-.0009	-.0015
#2	.0008	-.0027	-.0074	.0006	.0131	.0990	-.0012	-.0017
#3	.0004	-.0010	-.0056	-.0058	.0135	.0974	-.0009	-.0020

Check ? Chk Pass Chk Pass Chk Fail Chk Pass None Chk Fail Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP31146-MB1 Acquired: 11/11/2016 9:40:28 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	.0005	-0.008	.0080
Stddev	.0043	.0007	.0002
%RSD	834.9	96.11	1.897
#1	.0022	-.0001	.0080
#2	-.0044	-.0016	.0079
#3	.0037	-.0007	.0082

Check ? Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2382.7	4895.2	44992.	4821.0
Stddev	2.9	7.0	150.	11.4
%RSD	.12274	.14369	.33235	.23688
#1	2385.9	4894.2	45129.	4809.7
#2	2381.8	4902.7	44832.	4832.5
#3	2380.3	4888.8	45016.	4820.8

Sample Name: MP31146-B1 Acquired: 11/11/2016 9:45:00 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0461	29.25	2.072	2.180	.0549	28.02	.0543	.5505	.2189
Stddev	.0014	.08	.007	.009	.0005	.04	.0002	.0012	.0016
%RSD	2.988	.2894	.3533	.4045	.9587	.1399	.3592	.2170	.7120
#1	.0477	29.15	2.063	2.171	.0543	27.98	.0541	.5496	.2202
#2	.0453	29.30	2.077	2.182	.0549	28.02	.0545	.5519	.2172
#3	.0454	29.29	2.075	2.188	.0554	28.06	.0542	.5500	.2193

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2668	26.52	26.71	27.29	.5613	.5393	26.82	.5612	.5108
Stddev	.0011	.02	.09	.14	.0011	.0009	.08	.0009	.0016
%RSD	.4144	.0747	.3274	.5185	.1992	.1649	.2944	.1541	.3152
#1	.2680	28.50	26.74	27.17	.5621	.5385	26.73	.5613	.5094
#2	.2658	28.53	26.78	27.25	.5600	.5392	26.89	.5603	.5105
#3	.2667	28.54	26.61	27.44	.5618	.5403	26.83	.5620	.5126

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5274	2.063	.0277	F.6576	.5364	.5402	2.078	.5121	.5583
Stddev	.0028	.002	.0003	.0019	.0015	.0010	.006	.0024	.0003
%RSD	.5368	.1021	.9537	.2876	.2771	.1781	.2839	.4659	.0461
#1	.5302	2.061	.0274	.6576	.5348	.5408	2.073	.5145	.5582
#2	.5245	2.065	.0279	.6595	.5365	.5391	2.076	.5120	.5582
#3	.5277	2.063	.0279	.6557	.5378	.5406	2.084	.5098	.5586

Check ? Chk Pass Chk Pass None Chk Fail .5000
 Value Range 20.00%

Sample Name: MP31146-B1 Acquired: 11/11/2016 9:45:00 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2311.9	4818.1	44035.	4780.7
Stddev	4.0	4.0	89.	2.4
%RSD	.17141	.08206	.20228	.05074
#1	2316.1	4820.3	43935.	4780.8
#2	2311.5	4820.4	44062.	4783.0
#3	2308.2	4813.5	44107.	4778.2

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Sample Name: FA37168-2R Acquired: 11/11/2016 9:49:17 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	200.1	.0317	.5628	.0030	12.11	-0.027	.0214	2.445
Stddev	.0004	.6	.0028	.0010	.0003	.01	.0001	.0007	.0017
%RSD	76.19	.2831	8.854	.1711	11.56	.0997	2.592	3.278	.6849
#1	-.0008	199.6	.0288	.5618	.0026	12.12	-.0027	.0212	2.427
#2	-.0001	199.8	.0343	.5637	.0032	12.09	-.0028	.0222	2.451
#3	-.0006	200.7	.0319	.5629	.0032	12.11	-.0027	.0208	2.459
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.0580	176.4	14.10	11.43	.6013	.0069	1.858	1.255	.2781
Stddev	.0002	.5	.12	.15	.0009	.0002	.047	.0012	.0021
%RSD	.3664	.3021	.8591	1.328	.1575	3.264	2.550	.9759	.7696
#1	.0582	176.0	14.24	11.32	.6003	.0071	1.913	1.268	.2775
#2	.0578	176.2	14.06	11.37	.6022	.0069	1.831	1.254	.2804
#3	.0578	177.0	14.01	11.61	.6014	.0067	1.830	1.243	.2763
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0036	.0003	8.086	.1021	.1766	7.681	-0.045	.4674	.1042
Stddev	.0059	.0052	.038	.0019	.0004	.022	.0059	.0022	.0004
%RSD	163.6	174.6	.4742	1.856	.2510	2.840	132.5	.4654	.3859
#1	.0077	.0018	8.119	.1011	.1769	7.656	-.0031	.4665	.1039
#2	.0062	.0046	8.044	.1042	.1761	7.695	.0006	.4699	.1041
#3	-.0031	-.0055	8.094	.1008	.1767	7.692	-.0109	.4659	.1047
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2293.3	4904.6	4441.1	4861.0					
Stddev	2.7	16.3	46.	19.3					
%RSD	.11916	.33252	.10301	.39615					
#1	2290.9	4891.9	4444.0	4874.5					
#2	2296.3	4923.0	4435.8	4869.6					
#3	2292.8	4899.0	4443.5	4839.0					

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Sample Name: MP31146-D1 Acquired: 11/11/2016 9:53:39 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	198.2	.0329	.5546	.0027	12.04	-0.025	.0219	2.429
Stddev	.0010	1.3	.0039	.0039	.0002	.04	.0003	.0004	.0012
%RSD	583.6	.6739	11.87	.7090	7.938	.3636	13.18	1.860	.5001
#1	.0008	196.7	.0284	.5510	.0026	12.01	-.0021	.0224	2.417
#2	.0007	199.3	.0348	.5588	.0026	12.03	-.0026	.0216	2.441
#3	-.0010	198.7	.0355	.5539	.0030	12.09	-.0028	.0218	2.430
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.0584	174.6	14.04	11.36	.5900	.0061	1.914	1.245	.2869
Stddev	.0004	1.2	.08	.16	.0020	.0004	.027	.0012	.0017
%RSD	.7345	.6677	.5719	1.449	.3474	7.250	1.414	.9298	.5875
#1	.0582	173.3	13.96	11.18	.5915	.0057	1.936	1.232	.2851
#2	.0589	175.3	14.12	11.51	.5909	.0061	1.884	1.255	.2873
#3	.0582	175.3	14.06	11.38	.5877	.0066	1.922	1.249	.2884
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0054	-0.0060	9.482	.1015	.1750	7.644	.0027	.4628	.0931
Stddev	.0006	.0022	.049	.0012	.0008	.014	.0036	.0033	.0006
%RSD	11.92	36.43	5.203	1.204	.4401	1.886	12.95	.7067	.6424
#1	.0047	-.0075	9.510	.1006	.1742	7.627	.0021	.4646	.0924
#2	.0054	-.0035	9.425	.1010	.1758	7.652	-.0004	.4649	.0936
#3	.0060	-.0070	9.511	.1029	.1750	7.653	.0066	.4591	.0933
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2309.9	4947.4	4460.2	4817.1					
Stddev	.9	19.7	183.	10.6					
%RSD	.03851	.39837	.40937	.22027					
#1	2309.4	4938.6	4454.3	4828.5					
#2	2309.3	4970.0	4445.6	4815.3					
#3	2310.9	4933.6	4480.7	4807.5					

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Sample Name: MP31146-D2 Acquired: 11/11/2016 9:57:59 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.016	200.9	.0281	.5554	.0030	12.09	-0.021	.0225	2.496
Stddev	.0010	.3	.0009	.0017	.0003	.03	.0003	.0002	.0011
%RSD	63.19	.1509	3.364	.3066	9.951	2.472	12.77	1.102	.4461
#1	-.0018	200.5	.0291	.5540	.0027	12.08	-.0019	.0223	2.501
#2	-.0026	201.1	.0277	.5550	.0033	12.12	-.0024	.0228	2.484
#3	-.0005	200.9	.0274	.5573	.0029	12.06	-.0020	.0225	2.505
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.0579	174.3	14.32	11.28	.5991	.0059	1.868	1.287	.2703
Stddev	.0012	.1	.10	.22	.0037	.0004	.025	.0011	.0032
%RSD	2.010	.0841	.7021	1.933	.6199	6.505	1.345	.8164	1.190
#1	.0587	174.2	14.35	11.26	.5958	.0059	1.851	1.298	.2740
#2	.0585	174.4	14.41	11.07	.5983	.0063	1.857	1.277	.2687
#3	.0566	174.4	14.21	11.50	.6031	.0055	1.897	1.288	.2682
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0057	-0.0017	8.928	.1012	.1763	7.693	-0.030	.4689	.1165
Stddev	.0048	.0045	.007	.0020	.0002	.014	.0027	.0017	.0008
%RSD	84.72	268.1	.0780	1.992	.1292	.1835	90.60	.3608	.6736
#1	.0015	-.0068	8.930	.1027	.1763	7.694	-.0060	.4707	.1161
#2	.0109	-.0019	8.920	.0989	.1765	7.707	-.0014	.4675	.1161
#3	.0045	-.0002	8.933	.1020	.1760	7.678	-.0014	.4684	.1175
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2305.0	4933.6	4431.7	4879.1					
Stddev	4.4	6.5	113.	11.6					
%RSD	.19171	.13186	.25512	.23750					
#1	2299.9	4926.9	4428.4	4868.1					
#2	2307.2	4934.1	4444.3	4878.1					
#3	2307.8	4939.9	4422.4	4891.2					

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Sample Name: MP31146-SD1 Acquired: 11/11/2016 10:02:22 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 25.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.052	203.8	.0429	.5691	.0007	12.06	-0.043	.0208	2.496
Stddev	.0028	.8	.0171	.0078	.0005	.05	.0011	.0009	.0056
%RSD	53.42	.4098	39.79	1.368	69.01	.3820	25.94	4.332	2.262
#1	-.0038	202.9	.0567	.5745	.0008	12.02	-.0030	.0199	2.560
#2	-.0035	204.5	.0481	.5602	.0002	12.11	-.0047	.0217	2.475
#3	-.0085	204.0	.0238	.5726	.0013	12.06	-.0050	.0209	2.452
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.0583	179.6	14.28	11.29	.6113	-0.268	1.917	1.291	.2725
Stddev	.0023	.7	.43	.60	.0034	.0014	.016	.0030	.0086
%RSD	3.887	.3686	3.027	5.349	.5522	5.232	.8113	2.360	3.152
#1									

Sample Name: MP31146-PS1 Acquired: 11/11/2016 10:06:50 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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Sample Name: MP31146-S1 Acquired: 11/11/2016 10:11:07 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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Sample Name: MP31146-S2 Acquired: 11/11/2016 10:15:24 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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Sample Name: FA37168-3R Acquired: 11/11/2016 10:19:40 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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7.1

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Sample Name: CCV Acquired: 11/11/2016 10:24:00 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2503	40.62	2.015	1.997	2.029	41.07	2.028	2.018	2.034
Stddev	.0008	.06	.003	.005	.001	.12	.003	.002	.006
%RSD	.3028	.1400	.1259	.2577	.0265	.2962	.1299	.0764	.2796

#1	.2498	40.65	2.013	2.003	2.029	41.08	2.030	2.017	2.029
#2	.2512	40.66	2.015	1.993	2.029	40.95	2.028	2.020	2.034
#3	.2500	40.56	2.018	1.994	2.030	41.19	2.025	2.017	2.040

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.003	41.53	40.46	41.09	2.065	2.027	40.15	2.029	1.999
Stddev	.003	.01	.05	.12	.006	.001	.06	.002	.002
%RSD	.1482	.0297	.1195	.2818	.3069	.0588	.1608	.1081	.1060

#1	2.002	41.54	40.47	41.18	2.057	2.027	40.17	2.031	1.998
#2	2.001	41.52	40.40	41.13	2.068	2.029	40.07	2.030	2.001
#3	2.006	41.54	40.50	40.96	2.068	2.026	40.20	2.027	1.997

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.016	1.995	1.717	2.041	2.032	2.040	2.014	2.031	2.039
Stddev	.003	.001	.001	.003	.002	.006	.006	.005	.005
%RSD	.1668	.0630	.0435	.1343	.0936	.2999	.3099	.2533	.2351

#1	2.012	1.994	1.716	2.045	2.034	2.036	2.009	2.026	2.044
#2	2.017	1.996	1.717	2.040	2.030	2.037	2.021	2.032	2.037
#3	2.018	1.994	1.717	2.040	2.032	2.047	2.011	2.036	2.035

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 11/11/2016 10:24:00 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2069.0	4647.5	41589.	4739.9
Stddev	4.9	6.7	208.	18.1
%RSD	.23917	.14330	.50076	.38250

#1	2074.4	4655.0	41746.	4722.0
#2	2068.1	4645.4	41669.	4758.3
#3	2064.6	4642.2	41353.	4739.5

Sample Name: CCB Acquired: 11/11/2016 10:28:11 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0020	.0010	.0004	.0001	-0.0067	.0001	.0001	.0002
Stddev	.0002	.0020	.0002	.0001	.0000	.0018	.0000	.0001	.0002
%RSD	181.6	101.8	18.37	25.11	22.21	26.97	62.32	240.6	108.0

#1	.0003	-0.0017	.0008	.0003	.0001	-0.0051	.0000	.0002	.0000
#2	-.0001	-0.0001	.0010	.0004	.0001	-0.0087	.0001	.0000	.0002
#3	.0001	-0.0042	.0012	.0004	.0001	-0.0064	.0001	-0.0001	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0005	-0.0013	-0.0177	-0.0002	.0000	.0114	.0001	.0001
Stddev	.0001	.0014	.0136	.0097	.0000	.0003	.0056	.0001	.0002
%RSD	54.45	256.4	1062.	55.04	4.499	2659.	49.13	154.0	126.9

#1	.0002	.0018	.0142	-.0195	-.0002	.0003	.0176	.0002	-.0001
#2	.0002	-.0010	-.0113	-.0071	-.0002	.0000	.0068	.0000	.0002
#3	.0000	.0008	-.0067	-.0263	-.0002	-.0003	.0097	.0001	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0008	-0.0004	.0013	.0003	.0001	-0.0001	.0002	.0000	-0.0003
Stddev	.0010	.0010	.0001	.0004	.0001	.0000	.0013	.0003	.0001
%RSD	122.7	259.0	5.051	119.3	58.69	24.93	679.7	832.6	25.92

#1	-.0007	-.0014	.0013	.0006	.0000	-.0001	-.0010	.0002	-.0002
#2	-.0019	-.0006	.0012	-.0001	.0002	-.0001	.0015	.0002	-.0002
#3	.0001	-.0004	.0013	.0004	.0001	-.0001	.0001	-.0003	-.0004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 11/11/2016 10:28:11 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2376.6	4868.4	44422.	4838.0
Stddev	4.7	8.6	113.	32.9
%RSD	.19880	.17765	.25395	.67939

#1	2375.0	4859.3	44422.	4813.8
#2	2372.9	4876.6	44534.	4824.7
#3	2381.9	4869.1	44309.	4875.4

Sample Name: FA37168-5R Acquired: 11/11/2016 10:32:44 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	197.7	0.298	7.242	0.030	18.05	-0.023	0.215	2.326
Stddev	0.003	.2	0.007	0.019	0.001	.07	0.002	0.002	0.004
%RSD	85.18	0.928	2.222	.2593	3.509	.3738	6.772	1.152	.1786
#1	-0.007	197.9	0.292	.720	.0031	17.98	-0.022	.0213	.2325
#2	-0.004	197.7	0.305	.7254	.0029	18.06	-0.022	.0218	.2331
#3	0.000	197.5	0.297	.7251	.0029	18.12	-0.025	.0214	.2323
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.391	168.8	12.45	12.26	7.468	0.084	2.119	1.252	9.586
Stddev	0.004	.3	.09	.04	0.013	0.001	.010	0.002	0.037
%RSD	.2581	.1939	.7265	.3635	.1747	1.195	.4731	.1375	.3870
#1	1.191	168.4	12.39	12.27	7.482	0.083	2.130	1.250	9.558
#2	1.387	169.1	12.41	12.21	7.468	0.085	2.116	1.253	9.571
#3	1.194	168.8	12.56	12.30	7.455	0.084	2.110	1.253	9.628
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.085	0.000	10.70	0.995	2.686	7.239	-0.013	4.457	1.116
Stddev	0.032	.004	.07	.0012	.0004	.029	.0047	.0003	0.007
%RSD	37.93	2817.0	.6932	1.220	1.1388	4.029	350.9	0.0676	0.618
#1	0.114	-0.030	10.79	1.005	.2683	7.214	-0.062	.4459	1.111
#2	0.050	-0.021	10.66	.0981	.2690	7.233	0.032	.4454	1.124
#3	0.090	0.0050	10.66	.0998	.2685	7.271	-0.011	.4459	1.112
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2300.6	4930.4	44355.	4916.9					
Stddev	4.2	12.6	88.	16.1					
%RSD	.18134	.25599	.19788	.32763					
#1	2295.7	4915.9	44444.	4901.5					
#2	2303.2	4936.1	44350.	4915.6					
#3	2302.7	4939.1	44269.	4933.7					

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Sample Name: FA37168-6R Acquired: 11/11/2016 10:37:05 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.012	294.9	0.418	8.098	0.049	11.16	-0.037	0.358	3.374
Stddev	0.008	2.3	0.052	0.047	0.003	.08	0.001	0.003	0.010
%RSD	71.09	.7670	12.33	.5752	6.126	.7037	3.799	.9623	.2985
#1	-0.021	295.6	0.371	.8113	.0046	11.10	-0.038	.0359	.3385
#2	-0.011	296.8	0.473	8.136	.0052	11.25	-0.038	.0361	.3365
#3	-0.004	292.4	0.411	8.046	.0050	11.13	-0.036	.0354	.3373
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.478	233.6	14.21	13.73	5.912	0.082	2.772	2.075	1.052
Stddev	0.019	1.4	.26	.09	0.012	0.004	.008	0.009	0.026
%RSD	4.062	.5832	1.825	.6638	.2015	5.384	.2995	.4560	2.510
#1	0.497	233.7	13.97	13.75	.5917	0.078	2.762	2.079	1.040
#2	0.478	234.8	14.18	13.81	.5921	0.087	2.775	2.082	1.082
#3	0.458	232.1	14.48	13.63	.5899	0.081	2.777	2.064	1.033
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.017	0.012	10.49	0.985	1.909	9.148	-0.033	6.018	1.104
Stddev	0.054	0.077	.04	.0024	.0009	.024	.0026	.0018	0.005
%RSD	325.4	655.9	.3545	2.475	4.884	2.589	79.88	3.064	4.964
#1	0.003	-0.038	10.51	.0957	.1916	9.174	-0.062	.6006	1.110
#2	-0.029	.010	10.52	.1002	.1912	9.141	-0.023	.6039	1.102
#3	0.076	-0.027	10.45	.0995	.1898	9.128	-0.013	.6007	1.100
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2288.1	4978.5	44328.	4818.2					
Stddev	4.7	6.1	89.	50.1					
%RSD	.20639	.12317	.20063	1.0395					
#1	2285.6	4980.7	44243.	4817.1					
#2	2293.5	4971.6	44420.	4768.7					
#3	2285.2	4983.3	44322.	4868.8					

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7.1
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Sample Name: FA37168-9R Acquired: 11/11/2016 10:41:26 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.012	261.0	0.384	5.865	0.038	9.648	-0.030	0.348	3.140
Stddev	0.006	1.1	0.032	0.007	0.002	.021	0.001	0.004	0.003
%RSD	49.12	4.229	8.215	.1183	4.672	.2193	3.301	1.220	1.114
#1	-0.019	260.3	0.415	5.868	0.037	9.628	-0.031	0.343	3.144
#2	-0.010	262.3	0.352	5.870	0.041	9.646	-0.030	0.350	3.137
#3	-0.008	260.5	0.386	5.857	0.038	9.670	-0.029	0.350	3.139
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.536	219.5	16.43	12.16	5.500	0.074	2.273	1.964	1.441
Stddev	0.010	1.1	.05	.07	0.009	0.004	.039	0.005	0.047
%RSD	1.893	.4787	.2813	.5762	.1684	5.601	1.728	.2585	3.256
#1	0.527	218.5	16.41	12.09	.5511	.0075	2.231	1.959	1.408
#2	0.547	220.6	16.49	12.23	.5495	.0070	2.309	1.968	1.495
#3	0.534	219.4	16.40	12.15	.5495	.0078	2.280	1.967	1.420
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.011	-0.090	9.702	0.973	1.639	8.417	-0.030	5.621	1.006
Stddev	0.030	0.067	.035	.0031	.0002	.027	.0019	.0010	0.004
%RSD	275.9	74.12	.3661	3.225	.0928	.3222	63.06	.1863	4.383
#1	0.026	-0.167	9.672	.0949	.1638	8.444	-0.037	5.610	1.001
#2	-0.024	-0.046	9.741	.1008	.1641	8.390	-0.044	5.622	1.006
#3	0.030	-0.058	9.693	.0961	.1638	8.418	-0.008	5.630	1.010
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2297.4	4953.0	44623.	4865.6					
Stddev	2.3	9.2	3.	48.2					
%RSD	.09983	.18528	.00710	.99157					
#1	2295.1	4961.4	44625.	4906.9					
#2	2297.5	4954.3	44626.	4812.6					
#3	2299.7	4943.2	44620.	4877.5					

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Sample Name: FA37168-10R Acquired: 11/11/2016 10:45:47 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.017	283.7	0.445	5.443	0.038	7.902	-0.031	0.430	3.373
Stddev	0.016	.1	0.055	0.037	0.006	.044	0.001	0.003	0.017
%RSD	90.94	0.302	12.25	.6871	16.96	5.574	3.861	6.299	5.157
#1	-0.034	283.6	0.444	5.405	0.040	7.870	-0.030	0.427	3.391
#2	-0.004	283.8	0.500	5.446	0.030	7.952	-0.032	0.430	3.356
#3	-0.013	283.7	0.391	5.479	0.042	7.885	-0.030	0.433	3.370
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.374	216.9	14.83	11.56	4.943	0.067	2.455	1.907	0.753
Stddev	0.002	.7	.05	.09	0.006	0.006	.033	.0013	0.018
%RSD	.4443	.3138	.3247	.7780	.1262	8.840	1.361	.7031	2.424
#1	0.372	216.1	14.81	11.49	.4939	.0063	2.494	1.911	0.735
#2	0.375	217.4	14.89	11.53	.4940	.0064	2.432	1.892	0.752
#3	0.374	217.1	14.80	1					

Sample Name: FA37168-12R Acquired: 11/11/2016 10:50:08 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.009	203.6	0.030	8376	0.033	20.53	-0.025	0.250	2499
Stddev	0.006	.2	.0042	.0015	.0002	.05	.0004	.0003	.0026
%RSD	70.86	.1002	13.88	.1827	6.627	.2297	16.64	1.317	1.034
#1	-.0002	203.8	.0276	.8366	.0033	20.52	-.0027	.0253	.2500
#2	-.0014	203.4	0.350	8368	.0031	20.58	-.0020	.0247	.2525
#3	-.0012	203.5	0.280	8393	.0035	20.49	-.0027	.0250	.2473
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1563	186.3	15.17	12.78	1.228	0.066	2.292	1.318	4161
Stddev	.0014	.1	.04	.13	.007	.0004	.029	.0006	.0012
%RSD	.9123	.0420	.2459	1.038	.5876	5.594	1.249	.4218	.3000
#1	.1575	186.2	15.22	12.68	1.233	.0068	2.260	1.324	.4170
#2	.1567	186.4	15.16	12.93	1.220	.0069	2.302	1.317	.4147
#3	.1547	186.2	15.14	12.74	1.232	.0062	2.314	1.313	.4165
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.259	0.009	10.24	1.043	0.2871	7.660	-0.037	4.814	1.228
Stddev	.0026	.0088	.01	.0011	.0044	.017	.0012	.0003	.0001
%RSD	9.996	1033.	0.757	1.066	1.445	2.212	31.93	0.577	0.867
#1	.0233	.0083	10.25	1.033	.2871	7.651	-.0032	.4813	1.229
#2	.0285	.0031	10.23	1.055	.2867	7.680	-.0029	.4817	1.228
#3	.0259	-.0089	10.24	1.040	.2876	7.650	-.0051	.4811	1.227
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2305.9	4936.5	44764.	4889.9					
Stddev	2.5	14.2	64.	25.6					
%RSD	.10775	.28781	.14397	.52408					
#1	2305.3	4920.9	44769.	4863.0					
#2	2303.7	4939.8	44826.	4892.6					
#3	2308.6	4948.7	44697.	4914.0					

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Sample Name: FA37168-13R Acquired: 11/11/2016 10:54:29 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.016	273.4	0.048	7108	0.039	12.77	-0.033	0.310	3417
Stddev	0.009	.6	.0017	.0008	.0002	.06	.0002	.0004	.0017
%RSD	54.99	.2344	4.084	.1080	4.021	.4829	6.088	1.434	.4841
#1	-.0009	274.1	.0394	.7116	.0040	12.75	-.0033	.0305	.3417
#2	-.0026	273.1	.0403	.7109	.0038	12.84	-.0031	.0313	.3400
#3	-.0014	272.9	.0427	.7100	.0038	12.72	-.0035	.0313	.3434
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0514	234.7	15.03	13.39	1.6458	0.067	3.139	2.077	1.172
Stddev	.0009	.3	.10	.22	.0017	.0008	.048	.0006	.0050
%RSD	1.668	.1337	.6764	1.616	.2575	12.27	1.542	.3000	4.288
#1	.0514	234.8	15.12	13.53	.6448	0.060	3.084	2.084	1.150
#2	.0505	234.4	15.06	13.49	.6448	0.066	3.171	2.073	1.230
#3	.0522	234.9	14.92	13.14	.6477	0.076	3.163	2.074	1.137
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.042	0.066	10.79	0.981	0.264	9.019	-0.091	5.880	1.025
Stddev	.0020	.0044	.04	.0003	.0004	.016	.0066	.0036	.0014
%RSD	47.19	66.61	.3787	.3546	.2175	.1802	71.83	.6090	1.376
#1	.0026	.0110	10.84	.0980	.2063	9.003	-.0166	.5887	1.039
#2	.0036	.0022	10.78	.0985	.2068	9.020	-.0067	.5841	1.025
#3	.0064	.0065	10.76	.0979	.2059	9.035	-.0041	.5912	1.011
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2292.5	4946.6	44511.	4868.0					
Stddev	4.2	14.7	33.	10.6					
%RSD	.18210	.29706	.07441	.21788					
#1	2287.8	4929.8	44547.	4865.7					
#2	2295.8	4952.9	44502.	4858.7					
#3	2293.9	4957.0	44482.	4879.6					

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7.1
7

Sample Name: MP31148-MB1 Acquired: 11/11/2016 10:58:51 Type: QC
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.047	-0.010	0.001	-0.001	0.130	-0.001	-0.002	0.010
Stddev	.0004	.0040	.0007	.0001	.0000	.0023	.0000	.0001	.0001
%RSD	343.3	85.67	67.13	139.4	33.13	17.99	17.79	48.01	9.837
#1	-.0004	.0061	-.0003	.0001	-.0001	.0129	-.0001	-.0002	.0010
#2	-.0002	.0078	-.0013	.0000	-.0001	.0154	-.0001	-.0001	.0011
#3	.0003	.0002	-.0016	.0001	-.0001	.0108	-.0001	-.0003	.0009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	0.069	0.122	-0.075	0.000	-0.014	0.087	0.001	-0.002
Stddev	.0000	.0020	.0286	.0051	.000	.0001	.0095	.0001	.0004
%RSD	16.70	28.57	235.3	68.26	1942.	5.828	109.1	155.8	178.5
#1	-.0003	.0091	.0435	-.0119	.0000	-.0014	.0067	.0002	-.0006
#2	-.0003	.0065	.0057	-.0086	.0000	-.0015	.0191	.0000	-.0002
#3	-.0004	.0052	-.0127	-.0019	.0000	-.0013	.0004	.0000	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.006	-0.014	0.064	0.230	-0.002	0.002	-0.011	-0.001	0.019
Stddev	.0005	.0019	.0002	.0002	.0000	.0001	.0009	.0002	.0000
%RSD	75.64	131.9	2.939	.9575	9.417	21.52	82.72	358.1	1.119
#1	-.0002	-.0004	.0063	.0232	-.0002	.0002	-.0009	-.0003	.0019
#2	-.0011	-.0014	.0062	.0230	-.0002	.0002	-.0003	.0000	.0019
#3	-.0005	-.0033	.0066	.0228	-.0002	.0003	-.0020	.0002	.0019

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

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Sample Name: MP31148-MB1 Acquired: 11/11/2016 10:58:51 Type: QC
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2404.4	4884.7	45398.	4897.7
Stddev	3.0	5.0	88.	12.1
%RSD	.12313	.10178	.19382	.24716
#1	2406.8	4880.5	45497.	4911.7
#2	2405.3	4883.4	45330.	4890.3
#3	2401.1	4890.2	45366.	4891.2

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Sample Name: MP31148-B1 Acquired: 11/11/2016 11:03:24 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0439	27.90	2.003	2.099	.0530	26.56	.0516	.5173	.2079
Stddev	.0001	.19	.005	.011	.0002	.14	.0002	.0012	.0012
%RSD	.1425	.6737	.2444	.5268	.3335	.5154	.3835	.2245	.5921

#1	.0440	27.69	2.008	2.086	.0528	26.43	.0518	.5182	.2066
#2	.0439	28.06	2.001	2.104	.0531	26.70	.0517	.5177	.2081
#3	.0439	27.96	1.999	2.107	.0531	26.54	.0514	.5160	.2091

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2550	27.00	25.57	25.82	.5277	.5257	25.60	.5223	.4883
Stddev	.0019	.21	.05	.27	.0013	.0008	.07	.0011	.0023
%RSD	.7313	.7837	.1835	1.050	.2497	.1468	.2795	.2163	.4666

#1	.2534	26.76	25.52	25.52	.5278	.5266	25.52	.5235	.4908
#2	.2570	27.15	25.61	26.04	.5264	.5252	25.62	.5223	.4864
#3	.2545	27.09	25.58	25.91	.5290	.5253	25.66	.5212	.4878

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5093	1.994	.0162	.5445	.5129	.5168	1.966	.4890	.5132
Stddev	.0019	.007	.0002	.0006	.0033	.0014	.003	.0008	.0011
%RSD	.3812	.3523	1.013	.1125	.6443	.2635	.1670	.1706	.2109

#1	.5111	2.001	.0164	.5439	.5092	.5152	1.970	.4889	.5124
#2	.5097	1.987	.0160	.5444	.5145	.5178	1.964	.4882	.5144
#3	.5073	1.993	.0162	.5451	.5152	.5172	1.965	.4899	.5126

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP31148-B1 Acquired: 11/11/2016 11:03:24 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2186.0	4719.3	4313.0	4851.0
Stddev	7.3	15.2	122.	14.9
%RSD	.33508	.32187	.28319	.30620

#1	2178.6	4707.0	4313.0	4863.1
#2	2186.3	4714.7	4325.1	4834.4
#3	2193.2	4736.3	4300.7	4855.6

Sample Name: FA38579-1 Acquired: 11/11/2016 11:07:36 Type: Unk
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0020	121.7	.1649	.7919	.0225	61.27	.0217	.1655	.1946
Stddev	.0003	.3	.0002	.0009	.0001	.17	.0003	.0004	.0007
%RSD	16.40	.2294	.1143	.1161	.4197	.2753	1.403	.2644	.3649

#1	-.0021	121.9	.1651	.7920	.0225	61.47	.0215	.1658	.1944
#2	-.0023	121.3	.1649	.7909	.0226	61.21	.0217	.1657	.1953
#3	-.0017	121.8	.1648	.7927	.0225	61.15	.0221	.1650	.1939

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3228	403.7	5.611	11.90	9.883	.0150	.1798	.5252	1.215
Stddev	.0004	1.1	.050	.06	.029	.0004	.0081	.0005	.006
%RSD	.1312	.2740	.8844	.4828	.2916	2.342	4.503	.1020	.4951

#1	.3231	404.9	5.557	11.96	9.898	.0150	.1747	.5252	1.216
#2	.3230	403.0	5.654	11.87	9.850	.0146	.1755	.5257	1.220
#3	.3223	403.0	5.624	11.85	9.901	.0153	.1891	.5246	1.208

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0063	.0208	.9629	.0154	.0535	.4315	.0063	.2992	3.828
Stddev	.0027	.0021	.0013	.0001	.0006	.0003	.0043	.0006	.007
%RSD	42.50	9.994	.1301	.9066	1.061	.0593	68.31	.1989	.1714

#1	.0035	.0225	.9615	.0152	.0533	.4313	.0022	.2999	3.834
#2	.0064	.0214	.9637	.0155	.0530	.4314	.0108	.2990	3.830
#3	.0089	.0184	.9637	.0153	.0541	.4318	.0059	.2987	3.821

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2165.1	12916.	11777.0	12982.
Stddev	1.9	9.	412.	99.
%RSD	.08735	.06901	.34981	.76335

#1	2164.8	12926.	11803.0	12872.
#2	2167.1	12908.	11798.0	13011.
#3	2163.3	12914.	11729.0	13063.

Sample Name: MP31148-D1 Acquired: 11/11/2016 11:12:03 Type: Unk
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0028	114.7	.1679	.6528	.0227	38.07	.0297	.1527	.1826
Stddev	.0005	.4	.0014	.0020	.0002	.19	.0002	.0000	.0013
%RSD	19.18	.3179	.8509	.3026	.6902	5.093	.7137	.0179	.7036

#1	-.0034	115.1	.1671	.6541	.0228	38.18	.0296	.1528	.1840
#2	-.0024	114.6	.1670	.6537	.0228	38.18	.0297	.1527	.1823
#3	-.0026	114.4	.1695	.6505	.0226	37.85	.0300	.1527	.1815

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3362	396.6	5.193	10.25	9.198	.0101	.1512	.6232	1.835
Stddev	.0012	1.9	.018	.04	.011	.0003	.0058	.0007	.015
%RSD	.3437	.4736	.3458	.3991	.1237	3.295	3.806	.1046	.7967

#1	.3358	398.4	5.214	10.30	9.207	.0103	.1540	.6239	1.819
#2	.3375	396.8	5.184	10.23	9.185	.0104	.1446	.6226	1.845
#3	.3353	394.6	5.182	10.23	9.202	.0097	.1550	.6231	1.843

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0056	.0213	.6205	.0112	.0347	.2763	.0084	.2896	4.532
Stddev	.0017	.0007	.0012	.0004	.0001	.0011	.0054	.0007	.013
%RSD	30.24	3.190	.1986	3.269	.2762	.3994	64.21	.2442	.2904

#1	.0037	.0206	.6212	.0113	.0348	.2773	.0030	.2903	4.517
#2	.0059	.0216	.6212	.0116	.0346	.2765	.0084	.2889	4.539
#3	.0071	.0219	.6190	.0108	.0348	.2751	.0137	.2896	4.540

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2118.6	18776.	170240.	19029.
Stddev	2.5	62.	453.	101.
%RSD	.12035	.33030	.26592	.52862

#1	2120.9	18708.	170650.	18958.
#2	2115.9	18792.	169760.	18984.
#3	2119.0	18829.	170310.	19144.

Sample Name: CCV Acquired: 11/11/2016 11:16:31 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2511	40.57	2.036	2.019	2.022	41.06	2.050	2.046	2.011
Stddev	.0007	.11	.003	.002	.008	.18	.002	.004	.006
%RSD	.2931	.2596	.1603	.0866	.3961	.4353	.0979	.1784	.3233
#1	.2504	40.64	2.036	2.017	2.029	41.21	2.051	2.047	2.004
#2	.2518	40.45	2.032	2.021	2.025	41.11	2.048	2.042	2.014
#3	.2512	40.61	2.039	2.019	2.013	40.86	2.052	2.049	2.016

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.989	41.34	40.38	40.80	2.057	2.063	40.20	2.047	1.996
Stddev	.005	.13	.13	.20	.001	.002	.08	.003	.008
%RSD	.2361	.3053	.3200	.4823	.0694	.0948	.1934	.1549	.3830
#1	1.986	41.48	40.52	41.00	2.055	2.064	40.25	2.046	1.990
#2	1.994	41.23	40.37	40.60	2.057	2.061	40.23	2.045	1.994
#3	1.986	41.30	40.26	40.79	2.058	2.065	40.11	2.051	2.005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.042	2.028	1.741	2.055	2.028	2.017	2.014	2.020	2.051
Stddev	.009	.006	.004	.003	.006	.001	.006	.003	.001
%RSD	.4449	.2767	.2085	.1535	.2840	.0599	.2885	.1668	.0381
#1	2.041	2.025	1.740	2.052	2.035	2.015	2.011	2.017	2.050
#2	2.034	2.025	1.738	2.053	2.026	2.017	2.011	2.020	2.051
#3	2.052	2.035	1.745	2.058	2.024	2.017	2.021	2.023	2.051

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 11/11/2016 11:16:31 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2063.0	4592.9	41765.	4784.5
Stddev	2.8	7.6	65.	17.0
%RSD	.13684	.16469	.15526	.35584
#1	2061.2	4584.6	41839.	4764.8
#2	2066.2	4599.4	41741.	4795.0
#3	2061.5	4594.8	41716.	4793.6

Sample Name: CCB Acquired: 11/11/2016 11:20:42 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.047	0.000	0.001	0.001	-0.081	0.000	0.000	0.002
Stddev	.0005	.0062	.0002	.0000	.0000	.0028	.0000	.0000	.0002
%RSD	512.2	131.8	524.9	13.73	77.44	35.16	42.64	79.19	129.4
#1	.0004	.0020	.0000	.0001	.0001	-.0058	.0000	.0000	-.0001
#2	-.0001	-.0060	.0002	.0001	.0001	-.0072	.0000	.0000	.0003
#3	-.0005	-.0102	-.0001	.0001	.0000	-.0113	.0001	.0001	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.072	0.013	-0.032	-0.001	-0.002	0.021	0.000	0.002
Stddev	.0001	.0024	.0333	.0279	.0000	.0003	.0082	.000	.0007
%RSD	54.96	33.58	156.3	84.09	6.727	163.3	398.0	8192.	376.5
#1	-.0003	.0087	.0565	-.0469	-.0001	.0001	.0024	.0001	-.0001
#2	-.0001	.0086	.0173	-.0011	-.0001	-.0001	.0101	.0001	.0010
#3	-.0003	.0044	-.0098	-.0517	-.0001	-.0006	-.0063	-.0001	-.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.021	0.012	0.001	0.000	-0.003	0.002	0.000	-0.003
Stddev	.0009	.0008	.0004	.0005	.000	.0001	.0007	.0001	.0000
%RSD	922.1	40.22	33.57	547.6	90.94	28.96	309.3	1434.	16.29
#1	.0003	.0018	.0014	-.0005	.0000	-.0002	.0007	.0000	-.0002
#2	.0006	.0015	.0014	.0006	.0000	-.0004	.0005	-.0001	-.0003
#3	-.0012	.0031	.0007	.0002	-.0001	-.0002	-.0005	.0001	-.0003

Check ? Chk Pass Chk Fail None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 11/11/2016 11:20:42 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2386.2	4851.7	44689.	4875.5
Stddev	3.0	12.6	179.	19.2
%RSD	.12467	.26020	.39975	.39386
#1	2384.4	4840.7	44735.	4878.6
#2	2384.5	4849.0	44492.	4854.9
#3	2389.6	4865.5	44841.	4892.9

Sample Name: MP31148-SD1 Acquired: 11/11/2016 11:25:14 Type: Unk
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.062	253.4	3.481	1.639	0.047	129.0	0.431	3.525	4.150
Stddev	.0035	.3	.0082	.005	.0010	.2	.0003	.0036	.0033
%RSD	55.71	.1201	2.345	.2832	2.274	.1645	.7756	1.021	.7941
#1	-.0023	253.8	3.573	1.634	.0453	128.8	.0434	.3522	4.129
#2	-.0078	253.4	3.456	1.641	.0435	129.1	.0429	.3491	4.188
#3	-.0086	253.2	3.415	1.642	.0452	129.2	.0428	.3563	4.132
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	6.794	870.8	11.29	24.30	21.72	0.0157	2.504	1.116	1.198
Stddev	.0074	1.0	.21	.61	.06	.0013	.1200	.002	.014
%RSD	1.092	.1169	1.902	2.509	.2683	8.405	47.91	.1502	1.199
#1	.6811	871.9	11.52	24.87	21.71	.0162	.2975	1.114	1.192
#2	.6712	870.6	11.25	24.37	21.79	.0142	.3398	1.118	1.214
#3	.6858	869.9	11.10	23.65	21.67	.0168	.1140	1.115	1.187
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.049	0.219	2.035	0.037	1.097	9.096	0.283	6.250	8.173
Stddev	.0098	.0235	.016	.0006	.0009	.0050	.0218	.0022	.024
%RSD	201.7	107.3	.7773	1.805	.8168	5.466	72.26	.3477	2.904
#1	-.0147	.0395	2.046	.0323	.1091	.9151	.0349	.6271	8.201
#2	-.0048	.0311	2.042	.0313	.1093	.9054	.0460	.6228	8.161
#3	.0049	-.0048	2.017	.0314	.1107	.9085	.0039	.6250	8.158
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2315.2	6568.2	59983.	6562.1					
Stddev	6.8	2.3	105.	6.7					
%RSD	.29344	.03455	.17437	.10180					
#1	2307.4	6568.2	59956.	6561.3					
#2	2318.2	6570.5	59895.	6555.9					
#3	2320.0	6566.0	60099.	6569.1					

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Sample Name: MP31148-PS1 Acquired: 11/11/2016 11:29:37 Type: Unk
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.147	120.2	2.010	0.871	0.0415	61.96	0.0413	1.821	2.104
Stddev	.0005	.4	.0003	.0023	.0001	.35	.0002	.0008	.0006
%RSD	3.313	.3608	.1698	.2607	.2117	.5700	.4243	.4422	.2944
#1	.0151	119.7	.2012	.8737	.0415	61.57	.0415	1.814	.2098
#2	.0142	120.3	.2012	.8763	.0416	62.04	.0411	1.830	.2102
#3	.0150	120.6	.2006	.8783	.0414	62.26	.0412	1.820	.2110
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3561	398.3	9.317	13.47	9.734	0.534	3.987	.5542	1.207
Stddev	.0016	1.5	.010	.02	.063	.0005	.016	.0015	.006
%RSD	.4556	.3828	.1066	.1790	.6478	.8484	4.076	.2620	.5085
#1	.3547	394.5	9.318	13.46	9.675	.0529	3.976	.5526	1.214
#2	.3579	397.1	9.326	13.45	9.801	.0538	3.980	.5548	1.203
#3	.3557	397.2	9.306	13.49	9.727	.0533	4.006	.5553	1.204
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0459	0.542	9.606	0.0329	0.0716	4.651	1.095	3.124	3.858
Stddev	.0034	.0034	.0016	.0010	.0004	.0004	.0015	.0007	.006
%RSD	7.453	6.190	.1640	3.056	.5769	.0856	1.376	.2112	.1557
#1	.0434	.0519	9.617	.0323	.0715	4.651	.1097	3.118	3.853
#2	.0444	.0580	9.614	.0323	.0721	4.655	.1079	3.122	3.865
#3	.0498	.0527	9.588	.0340	.0713	4.647	.1109	3.131	3.857
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2156.2	12509.	113850.	12687.					
Stddev	.8	13.	505.	78.					
%RSD	.03714	.10297	.44383	.61561					
#1	2157.2	12520.	114380.	12752.					
#2	2155.9	12495.	113370.	12709.					
#3	2155.7	12511.	113790.	12601.					

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7.1
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Sample Name: MP31148-S1 Acquired: 11/11/2016 11:34:04 Type: Unk
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.091	122.5	6.517	1.225	0.0330	34.15	0.455	2.580	2.124
Stddev	.0002	.3	.0008	.001	.0001	.12	.0001	.0004	.0011
%RSD	2.464	.2847	.1155	.0563	.2085	.3605	.1988	.1646	.5254
#1	.0094	122.6	6.519	1.224	.0329	34.06	.0456	.2578	2.135
#2	.0091	122.1	6.509	1.226	.0330	34.11	.0455	.2577	2.124
#3	.0089	122.8	6.524	1.225	.0330	34.29	.0454	.2585	2.113
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.586	345.0	11.45	16.60	8.701	1.275	6.765	7.893	2.128
Stddev	.0011	1.3	.02	.14	.009	.0007	.009	.0025	.005
%RSD	.3021	.3762	.1936	.8413	.0992	.5417	.1385	.3124	.2159
#1	.3580	344.2	11.44	16.54	8.700	1.282	6.759	.7870	2.123
#2	.3598	344.2	11.44	16.49	8.692	1.269	6.776	.7888	2.130
#3	.3580	346.5	11.48	16.76	8.710	1.274	6.760	.7919	2.132
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0454	0.5067	6.183	1.345	1.578	3.495	2.044	3.811	4.667
Stddev	.0011	.0006	.0020	.0018	.0005	.0009	.017	.0022	.013
%RSD	2.462	.1172	.3176	1.342	.2984	2.448	8.070	.5767	.2807
#1	.0456	.5061	6.201	1.358	.1576	3.500	2.037	3.830	4.653
#2	.0441	.5070	6.162	1.324	.1575	3.499	2.031	3.816	4.671
#3	.0463	.5072	6.188	1.353	.1584	3.485	2.062	3.787	4.678
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2093.0	18623.	170480.	19296.					
Stddev	7.8	30.	573.	152.					
%RSD	.37118	.15969	.33605	.78878					
#1	2101.1	18653.	170020.	19303.					
#2	2092.5	18623.	171120.	19444.					
#3	2085.6	18593.	170290.	19140.					

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Sample Name: MP31148-S2 Acquired: 11/11/2016 11:38:28 Type: Unk
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.082	119.0	6.262	1.271	0.0314	33.25	0.406	2.465	1.974
Stddev	.0004	.2	.0014	.000	.0002	.11	.0001	.0001	.0002
%RSD	4.353	.1902	.2302	.0345	.5016	.3317	.2571	.0216	.1262
#1	.0081	119.2	6.261	1.271	.0315	33.14	.0405	2.465	1.976
#2	.0086	118.9	6.248	1.270	.0314	33.23	.0405	2.464	1.972
#3	.0079	118.8	6.277	1.271	.0312	33.36	.0407	2.465	1.972
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.389	339.9	11.10	16.21	8.610	1.222	6.424	7.211	2.039
Stddev	.0020</								

Sample Name: FA38579-3 Acquired: 11/11/2016 11:42:54 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.072	135.8	2966	2620	0.739	13.72	-0.020	6851	4011
Stddev	0.012	.8	.0032	.0020	.0003	.09	.0004	.0017	.0023
%RSD	16.48	.5930	1.086	.7701	.4705	.6382	21.06	.2445	.5731
#1	-0.062	135.0	2932	2602	.0736	13.63	-0.015	.6832	4021
#2	-0.069	135.8	2996	2616	.0737	13.73	-0.022	.6862	3984
#3	-0.085	136.7	2969	2641	.0743	13.81	-0.023	.6860	4027
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.976	1120.	8.819	6.909	10.99	0.355	2.286	2.316	5.135
Stddev	.006	4.	.076	.095	.07	.0003	.0031	.004	.0008
%RSD	.2923	.3770	.8663	1.378	.6149	.9349	1.377	.1733	.1472
#1	1.970	1116.	8.737	6.906	11.05	0.352	2.258	2.312	5.135
#2	1.982	1120.	8.888	6.815	10.99	0.356	2.320	2.318	5.128
#3	1.976	1124.	8.832	7.006	10.92	0.358	2.280	2.319	5.143
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.375	0.131	1.915	0.274	0.485	5.865	-0.156	5.173	6.567
Stddev	.0032	.0028	.005	.0016	.0006	.0019	.0033	.0009	.007
%RSD	8.416	21.75	.2804	5.815	1.212	3.166	20.91	1.649	.1138
#1	.0372	.0099	1.909	.0280	.0486	5.883	-0.190	5.182	6.571
#2	.0408	.0155	1.919	.0256	.0479	5.845	-0.151	5.171	6.559
#3	.0345	.0139	1.917	.0286	.0491	5.866	-0.126	5.165	6.572
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2199.4	5430.6	49631.	5503.2					
Stddev	2.2	8.3	73.	43.2					
%RSD	.10151	.15304	.14689	.78469					
#1	2201.2	5438.7	49559.	5537.3					
#2	2196.9	5422.1	49704.	5517.6					
#3	2200.2	5431.1	49629.	5454.6					

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Sample Name: FA38579-4 Acquired: 11/11/2016 11:47:23 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.045	260.6	1432	6188	0.127	17.64	-0.038	2929	4356
Stddev	0.005	1.7	.0051	.0027	.0004	.10	.0008	.0000	.0027
%RSD	12.13	.6347	3.553	4.285	3.002	.5650	19.83	.0146	.6239
#1	-0.051	261.4	1431	6174	.0126	17.75	-0.045	2929	4348
#2	-0.041	258.7	1381	6171	.0132	17.63	-0.030	2929	4386
#3	-0.043	261.7	1483	6218	.0124	17.55	-0.039	2929	4334
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	6.331	685.5	12.10	50.11	11.95	0.153	2.930	3.554	3.420
Stddev	.0020	4.2	.11	.51	.01	.0009	.0249	.0020	.0030
%RSD	.3186	.6119	.9069	1.027	.1122	5.832	8.511	.5600	.8705
#1	6.354	689.6	12.22	50.56	11.96	0.144	3.053	3.562	3.451
#2	6.318	681.2	12.06	49.55	11.94	0.162	2.643	3.531	3.392
#3	6.321	685.7	12.01	50.23	11.94	0.153	3.094	3.568	3.415
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.148	0.101	2.253	0.266	0.461	9.732	-0.048	4.606	1.039
Stddev	.0053	.0101	.010	.0007	.0005	.0016	.0066	.0004	.004
%RSD	35.75	100.2	4.553	2.737	.9900	.1607	139.0	.0890	.3367
#1	.0209	.0027	2.259	.0273	.0465	9.714	.0029	4.601	1.036
#2	.0108	.0060	2.260	.0267	.0456	9.742	-.0091	4.609	1.043
#3	.0129	.0216	2.242	.0258	.0462	9.739	-.0080	4.607	1.038
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2208.4	5208.0	48074.	5345.1					
Stddev	2.3	5.4	87.	67.9					
%RSD	.10543	.10286	.18096	1.2701					
#1	2208.3	5207.9	48130.	5283.1					
#2	2206.1	5202.7	47973.	5417.6					
#3	2210.7	5213.4	48118.	5334.4					

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Sample Name: FA38579-6 Acquired: 11/11/2016 11:51:53 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.074	294.4	3273	8338	0.189	15.39	-0.047	4890	8692
Stddev	.0019	1.5	.0052	.0065	.0001	.09	.0012	.0006	.0044
%RSD	26.18	.5182	1.589	.7811	.4717	.6150	24.69	1.167	.5087
#1	-0.094	294.4	3285	8333	.0190	15.30	-0.051	4895	8643
#2	-0.056	292.8	3216	8276	.0189	15.37	-0.034	4892	8703
#3	-0.070	295.9	3318	8406	.0188	15.49	-0.057	4884	8729
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	7.884	1434.	10.75	74.81	F 21.06	0.507	5.559	7.456	5.118
Stddev	.0025	.7.	.07	.57	.07	.0011	.0209	.0013	.0035
%RSD	.3129	4.887	.6471	.7577	.3512	2.123	3.766	1.761	.6881
#1	7.899	1435.	10.71	74.48	20.98	.0520	5.445	7.451	5.111
#2	7.856	1427.	10.70	74.48	21.11	.0500	5.430	7.445	5.156
#3	7.898	1441.	10.83	75.46	21.10	.0502	5.800	7.470	5.086
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.584	0.178	1.846	0.273	0.435	7.294	-0.158	6.612	1.758
Stddev	.0048	.0064	.004	.0010	.0003	.0013	.0073	.0030	.003
%RSD	8.132	35.77	.1964	3.524	.7739	1.830	46.06	4.560	1.829
#1	.0638	.0250	1.843	.0282	.0432	7.292	-0.234	6.579	1.760
#2	.0563	.0157	1.847	.0273	.0436	7.308	-0.089	6.639	1.754
#3	.0551	.0128	1.850	.0263	.0438	7.281	-0.151	6.617	1.760
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2132.7	5385.7	49188.	5515.9					
Stddev	7.1	12.3	79.	35.8					
%RSD	.33505	.22874	.15986	.64989					
#1	2128.9	5372.8	49221.	5533.9					
#2	2140.9	5386.9	49246.	5539.3					
#3	2128.2	5397.3	49099.	5474.6					

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Sample Name: FA38579-11 Acquired: 11/11/2016 11:56:21 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.031	276.0	1515	1.894	0.201	52.31	-0.033	2733	3787
Stddev	.0010	.9	.0071	.008	.0002	.32	.0002	.0002	.0015
%RSD	33.91	.3273	4.716	4.380	1.185	6.021	5.402	.0861	.3909
#1	-0.041	276.8	1532	1.901	.0203	52.66	-.0032	2733	3793
#2	-0.020	275.0	1437	1.885	.0198	52.21	-.0035	2731	3798
#3	-0.032	276.2	1577	1.898	.0202	52.06	-.0032	2736	3770
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.167	512.7	15.22	44.36	13.10	0.149	1.080	3.244	4.521
Stddev	.0022	1.8	.18	.18	.03	.0003	.024	.0009	.0011
%RSD	.6986	.3471	1.208	4.159	.2246	2.285	2.203	.2656	.2436
#1	3.192	514.6	15.24	44.47	13.09	0.148	1.065	3.251	4.518
#2	3.161	511.1	15.02	44.46	13.08	0.146	1.067	3.234	4.533
#3	3.149	512.3	15.39	44.15	13.14	0.152	1.107	3.246	4.512
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077				

Sample Name: FA38579-12 Acquired: 11/11/2016 12:00:49 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.008	272.1	0.024	3.618	0.029	17.21	-0.017	1.880	3.268
Stddev	0.007	.7	.0037	.005	.0003	.08	.0004	.0003	.0013
%RSD	80.64	.2642	4.003	.1338	1.358	.4549	24.32	.1703	.3875
#1	-0.011	271.9	.0928	3.613	.0225	17.12	-0.018	1.879	.3275
#2	-0.001	272.9	.0959	3.619	.0231	17.26	-0.020	1.877	.3253
#3	-0.013	271.5	.0885	3.622	.0229	17.26	-0.012	1.883	.3275
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.271	324.0	9.515	32.43	29.76	0.035	5.328	3.347	3.245
Stddev	0.006	1.5	.010	.12	.06	.0004	.0397	.0011	.0055
%RSD	.4828	.4669	.1091	.3727	.1945	12.20	7.455	.3336	1.693
#1	.1263	323.0	9.507	32.30	29.72	.0037	.4869	.3350	.3182
#2	.1274	323.7	9.527	32.47	29.74	.0037	.5549	.3334	.3275
#3	.1274	323.3	9.512	32.53	29.83	.0030	.5564	.3356	.3279
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.025	0.022	4.512	0.266	0.811	2.268	-0.062	4.482	1.059
Stddev	.0031	.0004	.020	.0009	.0005	.006	.0083	.0022	.002
%RSD	123.6	20.53	.4493	3.545	.5775	.2761	133.9	4.808	2.260
#1	.0010	.0025	4.536	.0277	.0815	2.268	-0.045	4.464	1.059
#2	.0004	.0017	4.501	.0261	.0806	2.275	-0.153	4.477	1.062
#3	.0060	.0023	4.500	.0260	.0812	2.262	.0011	4.506	1.058
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2245.9	5671.5	5176.7	5667.1					
Stddev	7.9	6.1	27.	17.7					
%RSD	.34974	.10823	.05287	.31191					
#1	2253.8	5670.7	51784.	5687.2					
#2	2245.8	5678.0	51735.	5660.1					
#3	2238.1	5665.8	51782.	5654.0					

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Sample Name: FA38579-16 Acquired: 11/11/2016 12:05:18 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.012	332.3	2.923	1.456	0.355	36.30	0.009	3.698	3.414
Stddev	0.009	.7	.0044	.004	.0003	.14	.0004	.0013	.0015
%RSD	74.14	.2227	1.513	.2699	.9063	3.880	41.06	.3559	.4478
#1	.0008	332.4	.2943	1.460	.0355	36.29	.0009	3.699	.3406
#2	.0006	331.6	.2872	1.452	.0352	36.16	.0013	3.685	.3405
#3	.0023	333.0	.2954	1.455	.0359	36.44	.0006	3.711	.3432
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5.593	718.9	17.98	28.08	35.20	0.482	4.734	6.851	9.204
Stddev	.0019	2.1	.27	.23	.29	.0005	.0079	.0033	.0045
%RSD	.3338	.2860	1.480	.8051	.8368	1.123	1.675	.4774	.4885
#1	.5610	719.1	17.78	28.28	35.10	.0477	.4662	6.869	9.229
#2	.5595	716.8	17.89	27.84	35.53	.0487	.4819	6.813	9.153
#3	.5573	720.9	18.28	28.14	34.97	.0483	.4721	6.871	9.232
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.187	0.117	2.011	0.351	0.854	1.289	0.037	7.393	3.126
Stddev	.0046	.0020	.007	.0008	.0003	.008	.0054	.0011	.005
%RSD	24.73	16.87	.3497	2.337	.3684	6.141	146.5	1.423	1.604
#1	.0134	.0124	2.014	.0343	.0853	1.284	-0.015	7.405	3.131
#2	.0221	.0095	2.015	.0358	.0851	1.284	.0093	7.389	3.121
#3	.0205	.0132	2.003	.0351	.0857	1.298	.0032	7.385	3.125
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2188.3	5307.5	4846.6	5340.7					
Stddev	3.8	15.3	46.	9.4					
%RSD	.17309	.28852	.09400	.17676					
#1	2185.5	5299.8	4848.9	5343.0					
#2	2192.6	5325.2	4841.4	5348.7					
#3	2186.8	5297.6	4849.6	5330.3					

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7.1
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Sample Name: CCV Acquired: 11/11/2016 12:09:46 Type: QC
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.536	41.35	2.057	2.066	2.035	41.15	2.079	2.082	2.038
Stddev	.0010	.16	.002	.008	.007	.06	.000	.002	.011
%RSD	.3769	.3870	.0707	.3839	.3231	.1536	.0093	.0766	.5200
#1	.2545	41.18	2.055	2.058	2.029	41.08	2.079	2.083	2.030
#2	.2526	41.38	2.057	2.066	2.035	41.20	2.079	2.083	2.033
#3	.2537	41.49	2.058	2.074	2.042	41.18	2.079	2.080	2.050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.962	41.87	40.66	41.75	2.065	2.096	40.52	2.066	2.008
Stddev	.003	.07	.14	.03	.002	.002	.13	.001	.002
%RSD	.1584	.1782	.3547	.0671	.1048	.0706	.3136	.0614	.1156
#1	1.983	41.84	40.51	41.73	2.065	2.096	40.38	2.067	2.007
#2	1.984	41.82	40.79	41.78	2.062	2.097	40.57	2.067	2.007
#3	1.978	41.96	40.69	41.74	2.067	2.094	40.62	2.065	2.011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.059	2.055	1.759	2.065	2.050	2.026	2.021	2.030	2.067
Stddev	.001	.001	.001	.004	.009	.004	.007	.003	.003
%RSD	.0374	.0363	.0435	.2168	.4523	.1875	.3675	.1630	.1448
#1	2.059	2.056	1.759	2.067	2.041	2.022	2.014	2.032	2.066
#2	2.060	2.056	1.759	2.060	2.050	2.025	2.020	2.026	2.064
#3	2.058	2.055	1.758	2.069	2.059	2.030	2.028	2.032	2.070
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 11/11/2016 12:09:46 Type: QC
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2048.0	4538.7	4148.5	4705.6
Stddev	2.0	6.4	63.	20.5
%RSD	.09958	.13998	.15233	.43508
#1	2045.6	4535.0	4155.7	4713.6
#2	2048.9	4534.9	4143.8	4682.3
#3	2049.4	4546.0	4146.1	4720.8

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Sample Name: CCB Acquired: 11/11/2016 12:13:57 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.001	.0006	.0001	.0000	-0.0082	.0000	-0.001	.0001
Stddev	.000	.0013	.0003	.0001	.0001	.0014	.0000	.0001	.0001
%RSD	1649.	1740.	45.83	90.68	179.4	17.28	310.2	121.0	97.97
#1	-0.001	-0.006	.0006	.0002	.0000	-0.0095	.0000	.0000	.0001
#2	.0002	.0014	.0009	.0001	.0001	-0.0085	.0000	-0.001	.0000
#3	-0.002	-0.011	.0004	.0000	.0000	-0.0067	.0000	-0.002	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0027	.0141	-0.0055	-0.002	-0.001	-0.0080	.0001	.0004
Stddev	.0001	.0020	.0243	.0114	.0000	.0002	.0020	.0000	.0006
%RSD	57.13	74.62	172.3	204.7	8.277	373.1	24.74	8.178	144.6
#1	-0.001	.0042	.0202	-0.138	-0.002	.0001	-0.0090	.0002	.0000
#2	-0.003	.0036	.0348	.0074	-0.002	.0000	-0.0057	.0001	.0002
#3	-0.002	.0004	-0.127	-0.102	-0.002	-0.003	-0.0094	.0001	.0011

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	-0.002	.0010	.0002	.0000	-0.0003	.0005	-0.001	-0.004
Stddev	.0010	.0014	.0002	.0003	.000	.0001	.0010	.0001	.0000
%RSD	254.3	679.7	20.92	142.8	231.2	35.85	194.5	102.1	11.13
#1	.0008	.0003	.0012	.0000	-0.001	-0.002	.0003	-0.002	-0.003
#2	-0.007	.0009	.0012	.0005	.0001	-0.004	.0015	.0000	-0.003
#3	.0011	-0.018	.0008	.0001	-0.001	-0.003	-0.004	.0000	-0.004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 11/11/2016 12:13:57 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2394.3	4839.3	4460.0	4783.9
Stddev	2.8	8.9	88.	23.7
%RSD	.11887	.18298	.19689	.49633
#1	2392.6	4848.6	4465.2	4770.4
#2	2392.8	4838.3	4449.9	4770.0
#3	2397.6	4831.0	4464.9	4811.3

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0027	.0141	-0.0055	-0.002	-0.001	-0.0080	.0001	.0004
Stddev	.0001	.0020	.0243	.0114	.0000	.0002	.0020	.0000	.0006
%RSD	57.13	74.62	172.3	204.7	8.277	373.1	24.74	8.178	144.6
#1	-0.001	.0042	.0202	-0.138	-0.002	.0001	-0.0090	.0002	.0000
#2	-0.003	.0036	.0348	.0074	-0.002	.0000	-0.0057	.0001	.0002
#3	-0.002	.0004	-0.127	-0.102	-0.002	-0.003	-0.0094	.0001	.0011

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	-0.002	.0010	.0002	.0000	-0.0003	.0005	-0.001	-0.004
Stddev	.0010	.0014	.0002	.0003	.000	.0001	.0010	.0001	.0000
%RSD	254.3	679.7	20.92	142.8	231.2	35.85	194.5	102.1	11.13
#1	.0008	.0003	.0012	.0000	-0.001	-0.002	.0003	-0.002	-0.003
#2	-0.007	.0009	.0012	.0005	.0001	-0.004	.0015	.0000	-0.003
#3	.0011	-0.018	.0008	.0001	-0.001	-0.003	-0.004	.0000	-0.004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: FA38579-17 Acquired: 11/11/2016 12:18:31 Type: Unk
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.0048	387.9	1.754	.9811	.0167	32.42	-0.0047	.3247	.6830
Stddev	.0007	.7	.0061	.0031	.0005	.07	.0002	.0012	.0081
%RSD	13.53	.1734	3.460	.3112	2.906	2.215	5.315	.3766	1.184
#1	-0.0054	388.5	1.705	.9845	.0165	32.38	-0.0048	.3239	.6781
#2	-0.0041	387.8	1.734	.9802	.0172	32.51	-0.0044	.3240	.6786
#3	-0.0050	387.2	1.822	.9786	.0163	32.39	-0.0048	.3261	.6923

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3817	689.7	17.25	54.69	6.937	.0187	1.397	.4327	.4428
Stddev	.0012	1.1	.07	.22	.090	.0003	.019	.0017	.0025
%RSD	.3121	.1554	.3866	.4078	1.293	1.354	1.345	.3946	.5686
#1	.3805	690.9	17.20	54.93	6.901	.0189	1.414	.4317	.4452
#2	.3816	689.4	17.33	54.67	6.870	.0187	1.377	.4318	.4402
#3	.3829	688.9	17.22	54.49	7.039	.0184	1.400	.4347	.4430

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0148	.0171	1.652	.0356	.1222	2.991	-0.0076	.8430	1.151
Stddev	.0048	.0078	.005	.0006	.0006	.029	.0039	.0119	.004
%RSD	32.62	45.68	.2845	1.614	.4989	.9838	50.56	1.415	.3083
#1	.0103	.0081	1.647	.0354	.1229	2.978	-0.0034	.8369	1.152
#2	.0199	.0209	1.656	.0362	.1218	2.971	-0.0110	.8354	1.148
#3	.0142	.0223	1.653	.0351	.1218	3.025	-0.0085	.8568	1.155

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2217.7	5173.7	4751.1	5213.3
Stddev	2.2	11.7	402.	7.7
%RSD	.09696	.22630	.84575	.14834
#1	2215.7	5187.1	4774.6	5207.3
#2	2220.0	5168.5	4774.0	5210.5
#3	2217.6	5165.4	4704.7	5222.0

Sample Name: FA38579-18 Acquired: 11/11/2016 12:22:51 Type: Unk
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.0030	312.1	2.140	1.548	.0289	98.72	-0.0025	.3551	.5673
Stddev	.0006	.7	.0034	.005	.0004	.33	.0004	.0007	.0027
%RSD	21.35	.2252	1.598	.2959	1.438	.3350	.1790	.1896	.4729
#1	-0.0024	312.5	2.171	1.546	.0293	98.71	-0.0030	.3549	.5646
#2	-0.0037	312.5	2.104	1.553	.0288	99.06	-0.0024	.3546	.5700
#3	-0.0029	311.3	2.146	1.544	.0285	98.40	-0.0021	.3559	.5673

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3628	761.0	14.63	50.36	F 24.12	.0278	.9045	.4209	.7317
Stddev	.0020	3.0	.03	.27	.06	.0002	.0147	.0008	.0058
%RSD	.5411	.3986	.2292	.5276	.2545	.7407	1.623	.1985	.7921
#1	.3609	762.2	14.64	50.65	24.06	.0276	.8888	.4200	.7272
#2	.3648	763.1	14.66	50.30	24.11	.0277	.9070	.4210	.7296
#3	.3625	757.5	14.59	50.13	24.18	.0280	.9178	.4216	.7382

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0183	.0115	2.059	.0351	.1577	1.909	-0.0036	.7083	1.657
Stddev	.0036	.0046	.008	.0003	.0013	.002	.0012	.0022	.007
%RSD	19.52	39.58	.3786	.7786	.8023	.0940	32.18	.3127	.4225
#1	.0222	.0068	2.050	.0350	.1565	1.908	-0.0027	.7059	1.655
#2	.0153	.0117	2.062	.0349	.1590	1.908	-0.0050	.7086	1.651
#3	.0173	.0159	2.064	.0354	.157				

Sample Name: FA38579-20 Acquired: 11/11/2016 12:27:20 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	56.28	0.752	4.687	0.038	F 3697.	0.096	0.474	1.111
Stddev	0.007	.17	.0045	.0041	.0002	36.	.0004	.0004	.0012
%RSD	1302.	.3059	5.925	.8822	5.077	.9637	3.681	8.530	1.071
#1	-0.004	56.21	.0800	4.732	.0036	3725.	.0093	.0469	.1119
#2	-0.007	56.15	.0741	4.679	.0038	3657.	.0095	.0475	.1116
#3	-0.005	56.48	.0713	4.650	.0039	3708.	.0100	.0477	.1097
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.409	118.9	5.926	1233.	2.604	0.191	1.004	1.304	2.658
Stddev	.0004	.8	.038	.7	.001	.0008	.033	.0003	.0013
%RSD	.3135	.6617	.6345	.5721	.0346	4.406	3.249	.2640	.4749
#1	.1412	119.7	5.946	1238.	2.604	.0182	1.039	1.308	.2672
#2	.1404	118.2	5.882	1225.	2.604	.0194	1.000	1.305	.2649
#3	.1412	118.8	5.949	1235.	2.603	.0198	.9738	1.301	.2652
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.005	0.130	3.309	0.241	2.933	7.284	0.089	1.180	1.236
Stddev	.0037	.0085	.006	.0011	.011	.0035	.0086	.0004	.002
%RSD	790.1	65.77	.1868	4.561	.3757	4.873	97.19	3.555	.1832
#1	-0.020	.0226	3.303	.0234	2.944	.7325	.0043	.1185	1.233
#2	-0.032	.0100	3.315	.0254	2.922	.7271	.0035	.1178	1.236
#3	-0.038	.0063	3.309	.0236	2.932	.7257	.0188	.1177	1.238
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1874.2	4351.1	40069.	4803.6					
Stddev	3.7	15.3	33.	23.2					
%RSD	.19922	.35112	.08128	.48347					
#1	1874.2	4339.3	40083.	4783.4					
#2	1870.4	4368.3	40032.	4829.0					
#3	1877.9	4345.6	40092.	4798.6					

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Sample Name: FA38579-21 Acquired: 11/11/2016 12:31:50 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.044	410.8	1.239	1.192	0.195	49.49	-0.048	1.731	0.670
Stddev	.0012	1.8	.0032	.003	.0002	.23	.0003	.0008	.0030
%RSD	27.45	.4480	2.603	.2198	.8099	.4614	6.725	.4864	.4487
#1	-0.052	412.1	.1247	1.190	.0195	49.75	-0.050	1.740	.6755
#2	-0.048	408.7	.1266	1.192	.0193	49.35	-0.045	1.723	.6702
#3	-0.030	411.6	.1203	1.195	.0196	49.36	-0.051	1.729	.6703
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.841	543.9	15.24	64.67	3.072	0.132	1.741	3.785	3.266
Stddev	.0016	2.1	.17	.30	.012	.0009	.048	.0009	.0013
%RSD	.4209	.3890	1.110	.4664	.3736	6.503	2.761	.2451	.4077
#1	.3833	545.8	15.36	64.84	3.063	.0123	1.795	3.785	3.261
#2	.3859	541.6	15.05	64.33	3.067	.0132	1.727	3.776	3.281
#3	.3830	544.1	15.32	64.85	3.085	.0140	1.701	3.794	3.256
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.065	0.114	1.958	0.0352	1.506	3.467	-0.046	8.287	1.074
Stddev	.0074	.0052	.006	.0007	.0008	.006	.0018	.0027	.005
%RSD	113.0	45.09	.3024	1.998	.5061	1.740	38.40	3.255	.4633
#1	.0147	.0065	1.963	.0356	.1514	3.466	-0.028	8.292	1.077
#2	.0005	.0167	1.958	.0356	.1499	3.462	-0.063	8.258	1.068
#3	.0044	.0111	1.951	.0344	.1505	3.474	-0.049	8.312	1.076
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2225.6	5262.4	48027.	5281.9					
Stddev	6.4	10.6	128.	20.4					
%RSD	.28873	.20205	.26639	.38539					
#1	2219.7	5250.5	47991.	5260.4					
#2	2232.5	5271.1	48168.	5300.8					
#3	2224.6	5265.5	47920.	5284.6					

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7.1
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Sample Name: FA38579-22 Acquired: 11/11/2016 12:36:10 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.037	258.4	1.593	9.990	0.0336	42.99	-0.020	1.036	3.393
Stddev	.0001	.6	.0030	.0028	.0005	.14	.0001	.0002	.0003
%RSD	2.706	.2315	1.894	.2845	1.404	.3198	3.824	1.599	.0893
#1	-0.036	257.7	1.560	1.002	.0334	42.83	-0.019	1.036	3.390
#2	-0.038	258.8	1.598	9.988	.0332	43.04	-0.020	1.034	3.393
#3	-0.036	258.6	1.620	9.963	.0341	43.09	-0.021	1.037	3.396
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.794	405.2	9.738	29.44	4.225	0.106	3.981	3.973	5.318
Stddev	.0007	1.3	.018	.28	.011	.0002	.0177	.0010	.0030
%RSD	.2677	.3241	.1872	.9583	.2632	1.799	4.443	.2505	.5605
#1	.2785	403.7	9.758	29.21	4.238	.0105	.3914	.3965	.5322
#2	.2799	406.1	9.723	29.75	4.219	.0105	.3848	.3970	.5287
#3	.2798	405.7	9.733	29.35	4.218	.0108	.4182	.3985	.5346
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.001	0.123	8.823	0.213	0.849	9.753	-0.103	4.810	7.369
Stddev	.0013	.0026	.0032	.0003	.0004	.0017	.0042	.0009	.0013
%RSD	146.1	21.22	.3670	1.454	.4588	.1741	40.95	.1831	.1812
#1	-0.009	.0114	8.787	.0214	.0849	9.762	-0.065	4.815	7.371
#2	-0.004	.0153	8.850	.0215	.0845	9.763	-0.096	4.816	7.355
#3	.0016	.0103	8.831	.0209	.0853	9.734	-0.149	4.800	7.381
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2207.1	9073.0	83153.	9093.1					
Stddev	5.6	15.9	272.	83.5					
%RSD	.25560	.17565	.32767	.91795					
#1	2213.0	9088.9	82840.	9188.0					
#2	2206.4	9057.0	83337.	9030.7					
#3	2201.8	9073.2	83282.	9060.7					

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Sample Name: FA38579-26 Acquired: 11/11/2016 12:40:30 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.043	442.0	1.961	2.115	0.171	25.81	-0.064	9.652	3.865
Stddev	.0010	.9	.0019	.005	.0001	.07	.0004	.0036	.0010
%RSD	23.16	.2017	.9829	.2292	.6434	2.758	5.533	3.761	2.565
#1	-0.032	443.0	.1961	2.117	.0172	25.89	-0.067	9.623	3.875
#2	-0.052	441.5	.1980	2.119	.0170	25.78	-0.065	9.640	3.865
#3	-0.045	441.4	.1941	2.110	.0170	25.75	-0.060	9.693	3.856
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.072	940.7	19.22	37.85	F 25.87	0.337	4.992	4.585	6.049
Stddev	.006	2.6	.12	.04	.13	.0001	.0251	.0013	.0051
%RSD	.5730	.2794	.6422	.1153	.4914	.3602	5.030	2.756	.8440
#1	1.072	943.7	19.29	37.83	25.97	.0337	4.703	4.572	6.005
#2	1.066	939.1	19.29	37.81	25.92	.0336	5.134	4.587	6.105
#3	1.078	939.2	19.08	37.89	25.73	.0338	5.141	4.597	6.038
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(

Sample Name: FA38581-20 Acquired: 11/11/2016 12:44:58 Type: Unk Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000 User: admin SSTRACE01: Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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Sample Name: FA38581-21 Acquired: 11/11/2016 12:49:19 Type: Unk Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000 User: admin SSTRACE01: Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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Sample Name: FA38581-22 Acquired: 11/11/2016 12:53:40 Type: Unk Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000 User: admin SSTRACE01: Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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Sample Name: FA38581-23 Acquired: 11/11/2016 12:57:59 Type: Unk Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000 User: admin SSTRACE01: Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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7.1

Sample Name: CCV Acquired: 11/11/2016 13:02:35 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.508	41.42	2.030	2.056	2.020	40.65	2.053	2.067	2.017
Stddev	.0022	.09	.005	.005	.004	.09	.003	.003	.010
%RSD	.8651	.2121	.2681	.2376	.2129	.2208	.1239	.1408	.4867

#1	.2530	41.46	2.028	2.060	2.024	40.71	2.055	2.070	2.018
#2	.2487	41.49	2.026	2.058	2.020	40.69	2.050	2.065	2.027
#3	.2507	41.32	2.036	2.051	2.015	40.55	2.054	2.066	2.007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.947	41.78	40.28	41.87	2.010	2.080	40.14	2.038	1.969
Stddev	.004	.11	.11	.13	.008	.003	.08	.003	.006
%RSD	.1897	.2647	.2606	.3082	.4078	.1497	.2016	.1604	.3226

#1	1.947	41.80	40.31	42.01	2.004	2.082	40.16	2.039	1.968
#2	1.951	41.89	40.37	41.76	2.020	2.077	40.21	2.034	1.975
#3	1.943	41.67	40.17	41.84	2.007	2.083	40.06	2.040	1.963

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.033	2.035	1.736	2.027	2.030	2.002	1.985	1.987	2.026
Stddev	.001	.006	.005	.004	.007	.006	.005	.009	.002
%RSD	.0471	.2907	.2945	.1966	.3552	.3223	.2763	.4254	.1089

#1	2.033	2.042	1.741	2.031	2.033	1.999	1.979	1.983	2.026
#2	2.032	2.030	1.731	2.023	2.036	2.009	1.988	1.996	2.024
#3	2.034	2.034	1.737	2.028	2.022	1.998	1.988	1.981	2.028

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 11/11/2016 13:02:35 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2068.9	4560.5	4183.5	4678.0
Stddev	4.8	7.0	95.	24.2
%RSD	.23025	.15448	.22637	.51787

#1	2070.6	4552.4	4185.3	4666.1
#2	2063.5	4563.8	4173.2	4661.9
#3	2072.6	4565.3	4191.9	4705.8

Sample Name: CCB Acquired: 11/11/2016 13:06:47 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0030	.0005	.0000	.0000	-0.031	.001	.0000	.0003
Stddev	.0003	.0048	.0002	.000	.000	.0031	.0000	.0000	.0001
%RSD	169.5	161.2	47.67	489.8	232.3	101.4	25.77	173.6	39.12

#1	-0.001	.0016	.0002	-0.001	.0000	.0002	.0001	.0000	.0004
#2	-0.005	-0.010	.0007	.0000	.0000	-0.034	.0001	.0000	.0003
#3	.0001	.0082	.0005	.0000	-0.001	-0.060	.0000	.0001	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	-0.010	.0344	-0.0228	-0.002	-0.002	-0.008	.0000	.0006
Stddev	.0001	.0020	.0032	.0149	.0000	.0004	.0044	.0001	.0006
%RSD	31.60	205.1	9.179	65.41	13.83	230.5	555.2	800.0	92.97

#1	-0.002	.0005	.0358	-0.0325	-0.002	.0002	-0.052	.0001	.0011
#2	-0.001	-0.001	.0366	-0.056	-0.002	-0.001	.0035	.0000	.0000
#3	-0.002	-0.0033	.0308	-0.0303	-0.003	-0.005	-0.007	-0.001	.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0003	.0011	.0002	.0000	-0.002	.0005	.0001	-0.0003
Stddev	.0008	.0021	.0003	.0001	.0000	.0000	.0007	.0002	.0001
%RSD	682.0	723.7	32.00	73.84	98.44	17.94	134.5	250.3	18.83

#1	.0001	.0018	.0015	.0002	.0000	-0.002	.0002	-0.002	-0.0003
#2	.0009	-0.0021	.0008	.0003	.0000	-0.003	.0000	.0002	-0.0003
#3	-0.006	.0012	.0009	.0000	.0000	-0.003	.0014	.0002	-0.0004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 11/11/2016 13:06:47 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2417.9	4866.5	4527.9	4821.9
Stddev	1.4	7.2	76.	14.6
%RSD	.05895	.14796	.16714	.30285

#1	2417.1	4870.0	45340.	4805.8
#2	2419.5	4858.3	45304.	4834.3
#3	2417.0	4871.3	45194.	4825.6

Sample Name: FA38581-24 Acquired: 11/11/2016 13:11:19 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.026	376.6	0.864	1.885	0.229	770.6	0.062	0.355	9573
Stddev	0.006	1.1	0.029	0.003	0.005	6.5	0.002	0.004	0.039
%RSD	22.06	2.881	3.332	1.663	2.088	8.452	3.893	1.163	4.033
#1	-0.020	377.3	0.834	1.887	0.234	776.1	0.059	0.351	9543
#2	-0.027	371.1	0.891	1.881	0.228	772.3	0.063	0.356	9560
#3	-0.032	375.3	0.867	1.887	0.225	763.4	0.063	0.359	9617
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.242	162.0	47.25	65.09	4.127	-0.046	4.785	1.493	2819
Stddev	0.007	4	17	0.15	0.012	0.32	0.011	0.016	0.016
%RSD	3.078	2.415	3.675	2.655	3.724	25.57	6.711	7.518	5.766
#1	0.250	162.1	47.41	64.99	4.110	-0.042	4.786	1.504	2800
#2	0.237	162.3	47.28	65.29	4.130	-0.036	4.752	1.482	2826
#3	0.237	161.5	47.06	64.98	4.140	-0.059	4.816	1.491	2830
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	-0.084	0.035	1.813	0.279	2.288	1.556	-0.032	4.479	2.697
Stddev	0.019	0.048	0.002	0.009	0.008	0.007	0.054	0.025	0.012
%RSD	22.24	135.1	0.974	3.351	3.409	4.514	17.04	5.504	4.608
#1	-0.080	0.007	1.811	0.272	2.295	1.549	-0.037	4.451	2.707
#2	-0.067	0.009	1.814	0.276	2.289	1.563	0.025	4.488	2.683
#3	-0.104	0.090	1.814	0.290	2.280	1.554	-0.082	4.498	2.702
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2096.2	6186.4	5740.7	6355.0					
Stddev	1.9	6.8	124	25.9					
%RSD	0.9248	1.1049	2.1678	4.0757					
#1	2096.1	6187.4	5744.3	6350.2					
#2	2094.2	6179.1	5750.9	6331.8					
#3	2098.1	6192.7	5726.8	6382.9					

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Sample Name: FA38581-25 Acquired: 11/11/2016 13:15:49 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	442.4	0.895	3.375	0.334	358.0	0.031	0.501	1.033
Stddev	0.005	0.9	0.036	0.002	0.003	0.8	0.001	0.001	0.003
%RSD	15.77	2.039	4.076	0.709	0.9644	2.222	2.896	2.003	2.598
#1	-0.035	442.1	0.908	3.373	0.337	357.5	0.030	0.502	1.030
#2	-0.027	441.7	0.854	3.376	0.332	359.0	0.032	0.501	1.034
#3	-0.037	443.4	0.923	3.377	0.332	357.6	0.031	0.500	1.035
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.295	162.4	44.01	60.82	3.616	-0.067	4.939	1.693	5.669
Stddev	0.007	5	0.8	0.27	0.02	0.007	0.025	0.007	0.060
%RSD	2.338	3.112	1.870	4.383	0.602	10.87	5.005	4.067	1.056
#1	0.302	161.9	44.00	60.51	3.614	-0.059	4.965	1.686	5.680
#2	0.288	162.4	44.10	60.99	3.616	-0.067	4.938	1.700	5.605
#3	0.296	162.9	43.94	60.95	3.618	-0.074	4.915	1.693	5.723
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	-0.117	0.023	1.271	0.317	5.735	1.382	-0.141	2.403	2.596
Stddev	0.054	0.063	0.003	0.001	0.08	0.002	0.035	0.011	0.004
%RSD	46.01	274.5	1.934	1.864	1.357	1.617	24.78	4.412	1.482
#1	-0.077	0.077	1.269	0.317	5.742	1.379	-0.144	2.391	2.593
#2	-0.095	0.038	1.269	0.317	5.727	1.384	-0.174	2.410	2.595
#3	-0.178	-0.046	1.273	0.318	5.737	1.383	-0.104	2.409	2.600
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2160.8	6501.9	6015.4	6700.0					
Stddev	9.5	3.8	184	39.1					
%RSD	4.4178	0.5897	3.0520	5.8420					
#1	2158.6	6497.5	6032.5	6744.6					
#2	2171.3	6504.7	5996.0	6671.1					
#3	2152.5	6503.5	6017.7	6684.4					

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7.1
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Sample Name: FA38581-26 Acquired: 11/11/2016 13:20:09 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.034	241.7	0.432	9.605	0.194	57.72	-0.003	0.585	5.630
Stddev	0.004	1.1	0.005	0.050	0.001	2.0	0.000	0.002	0.022
%RSD	11.14	4.663	1.082	5.238	3.508	3.434	12.63	2.624	3.870
#1	-0.038	242.8	0.431	9.663	0.193	57.72	-0.003	0.587	5.652
#2	-0.034	240.6	0.428	9.570	0.195	57.52	-0.004	0.584	5.630
#3	-0.031	241.6	0.437	9.582	0.194	57.92	-0.003	0.584	5.608
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.005	73.17	5.606	12.68	1.523	-0.081	7.054	0.614	3.546
Stddev	0.001	1.9	0.53	0.3	0.002	0.003	0.166	0.003	0.036
%RSD	28.11	2.647	9.426	2.171	1.631	3.272	2.351	5.104	1.010
#1	-0.005	73.32	5.665	12.65	1.525	-0.078	7.193	0.611	3.543
#2	-0.004	72.95	5.562	12.69	1.525	-0.082	6.871	0.614	3.512
#3	-0.007	73.24	5.591	12.70	1.521	-0.083	7.099	0.617	3.583
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.087	0.052	8.443	0.183	1.499	0.588	-0.037	1.690	0.774
Stddev	0.041	0.076	0.050	0.004	0.03	0.001	0.039	0.010	0.003
%RSD	47.72	145.5	5.892	2.194	1.986	2.363	10.71	5.940	3.389
#1	-0.127	0.132	8.498	0.180	1.500	0.590	-0.080	1.689	0.771
#2	-0.089	0.045	8.429	0.188	1.496	0.587	-0.003	1.681	0.777
#3	-0.044	-0.020	8.402	0.182	1.502	0.588	-0.026	1.701	0.774
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2291.9	8125.9	7455.5	8100.3					
Stddev	4.4	18.4	104	28.7					
%RSD	1.9190	2.2645	1.3922	3.5430					
#1	2291.0	8110.9	7458.1	8075.8					
#2	2296.6	8120.3	7464.3	8131.9					
#3	2288.0	8146.4	7444.1	8093.4					

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Sample Name: MP31150-MB1 Acquired: 11/11/2016 13:24:31 Type: QC
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.000	0.109	-0.005	0.002	-0.001	1.241	0.000	-0.002	0.012
Stddev	0.002	0.035	0.005	0.002	0.000	0.018	0.000	0.000	0.003
%RSD	652.7	32.09	90.78	98.56	19.94	1.437	104.8	26.74	24.14
#1	-0.001	0.069	0.000	0.002	-0.001	1.233	0.000	-0.002	0.008
#2	0.000	0.133	-0.006	0.000	-0.001	1.261	0.000	-0.001	0.014
#3	0.003	0.124	-0.009	0.004	-0.001	1.228	0.000	-0.002	0.012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm							

Sample Name: MP31150-MB1 Acquired: 11/11/2016 13:24:31 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2443.1	4889.5	46280.	4858.6
Stddev	3.9	1.9	208.	35.4
%RSD	.16159	.03867	.44906	.72885
#1	2439.1	4891.7	46177.	4899.4
#2	2443.2	4888.1	46144.	4838.7
#3	2447.0	4888.8	46519.	4837.5

Sample Name: MP31150-B1 Acquired: 11/11/2016 13:29:04 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0423	26.96	1.925	2.033	.0500	24.97	.0500	.5057	.1961
Stddev	.0001	.04	.006	.007	.0001	.04	.0001	.0009	.0010
%RSD	.3401	.1343	.3181	.3569	.1837	.1752	.2522	.1751	.4939
#1	.0422	26.92	1.918	2.040	.0499	24.94	.0498	.5048	.1950
#2	.0424	26.98	1.928	2.034	.0500	24.96	.0501	.5066	.1967
#3	.0424	26.98	1.928	2.026	.0500	25.02	.0500	.5056	.1967

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.2367	25.78	24.21	25.07	.4896	.5123	24.24	.5022	.4638
Stddev	.0009	.07	.06	.22	.0013	.0007	.04	.0010	.0018
%RSD	.3712	.2574	.2641	.8629	.2709	.1400	.1702	.1942	.3892
#1	.2363	25.72	24.15	24.82	.4888	.5116	24.25	.5011	.4627
#2	.2360	25.85	24.21	25.18	.4890	.5130	24.28	.5030	.4659
#3	.2377	25.78	24.28	25.20	.4912	.5124	24.19	.5025	.4628

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.4886	1.941	.0149	.5152	.4837	.4827	1.862	.4551	.4907
Stddev	.0027	.006	.0003	.0012	.0010	.0017	.007	.0015	.0014
%RSD	.5565	.3250	2.011	.2318	.2106	.3621	.3644	.3360	.2801
#1	.4858	1.934	.0148	.5138	.4844	.4807	1.856	.4539	.4901
#2	.4912	1.947	.0152	.5159	.4841	.4838	1.869	.4547	.4923
#3	.4887	1.941	.0146	.5159	.4825	.4835	1.861	.4568	.4897

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

7.1
7

Sample Name: MP31150-B1 Acquired: 11/11/2016 13:29:04 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2208.6	4684.9	43828.	4785.8
Stddev	1.7	4.9	184.	23.3
%RSD	.07795	.10415	.41882	.48627
#1	2207.3	4689.8	44024.	4809.7
#2	2207.9	4680.0	43800.	4763.3
#3	2210.5	4684.8	43661.	4784.3

Sample Name: FA38567-1 Acquired: 11/11/2016 13:33:19 Type: Unk
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	.0007	175.9	.0451	.6762	.0061	129.3	.0035	.0564	.1515
Stddev	.0001	.2	.0004	.0020	.0000	.1	.0002	.0001	.0003
%RSD	15.68	.1039	.8929	.2899	.2520	.1041	4.620	.1815	.2062
#1	.0006	175.7	.0456	.6757	.0061	129.4	.0034	.0564	.1513
#2	.0007	176.0	.0448	.6783	.0061	129.3	.0036	.0563	.1514
#3	.0008	176.0	.0450	.6745	.0061	129.1	.0034	.0564	.1519

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.1390	193.5	5.812	57.21	3.737	.0059	1.139	.1113	.5716
Stddev	.0005	.2	.029	.18	.011	.0002	.004	.0003	.0026
%RSD	.3664	.1009	.4997	.3229	.2917	3.400	.3347	.2486	.4521
#1	.1388	193.3	5.829	57.02	3.749	.0061	1.140	.1112	.5687
#2	.1396	193.5	5.828	57.22	3.727	.0059	1.141	.1110	.5735
#3	.1387	193.6	5.778	57.39	3.734	.0057	1.134	.1116	.5727

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.0039	.0048	1.142	.0290	.2733	3.388	-.0034	.2493	.8951
Stddev	.0008	.0011	.004	.0003	.0006	.024	.0024	.0004	.0026
%RSD	20.50	22.62	.3576	1.124	.2181	.7098	71.85	.1691	.2946
#1	.0031	.0051	1.139	.0287	.2734	3.416	-.0049	.2490	.8931
#2	.0040	.0036	1.147	.0294	.2738	3.375	-.0006	.2498	.8941
#3	.0047	.0056	1.140	.0290	.2726	3.373	-.0047	.2492	.8981

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	1985.7	5926.8	54721.	6092.7
Stddev	7.0	14.1	76.	7.4
%RSD	.35438	.23864	.13848	.12218
#1	1993.9	5940.2	54644.	6101.0
#2	1982.0	5912.0	54795.	6086.6
#3	1981.3	5928.1	54723.	6090.5

Sample Name: MP31150-D1 Acquired: 11/11/2016 13:37:56 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0004	171.0	.0439	.7291	.0060	109.9	.0042	.0640	.1452
Stddev	.0002	.3	.0005	.0024	.0001	.3	.0000	.0003	.0002
%RSD	35.63	.1766	1.171	.3255	1.005	.2762	1.162	.5334	.1389
#1	.0006	171.2	.0441	.7290	.0059	110.1	.0042	.0639	.1455
#2	.0003	171.2	.0442	.7315	.0061	110.1	.0041	.0644	.1451
#3	.0005	170.7	.0433	.7267	.0060	109.6	.0042	.0638	.1452
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1400	174.6	5.883	51.24	3.842	.0050	1.166	1.060	.5336
Stddev	.0002	.4	.023	.15	.010	.0003	.001	.0003	.0013
%RSD	.1280	.2094	.3886	.3001	.2578	5.419	.0809	.2393	.2524
#1	.1401	174.7	5.881	51.22	3.839	.0048	1.167	1.057	.5349
#2	.1399	175.0	5.907	51.40	3.833	.0053	1.165	1.060	.5337
#3	.1398	174.2	5.862	51.10	3.853	.0049	1.166	1.062	.5322
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0028	.0066	1.346	.0276	2.673	3.709	-.0031	2.454	.8511
Stddev	.0005	.0018	.005	.0003	.0010	.019	.0009	.0004	.0019
%RSD	18.65	27.92	.3511	1.141	.3628	.5153	28.80	1.672	.2282
#1	.0027	.0071	1.349	.0274	.2678	3.695	-.0039	2.455	.8513
#2	.0023	.0046	1.349	.0274	.2680	3.731	-.0021	2.449	.8491
#3	.0034	.0082	1.341	.0279	.2662	3.701	-.0032	2.457	.8529
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2033.1	5964.2	54689.	6080.8					
Stddev	4.6	18.5	20.	16.1					
%RSD	.22567	.31031	.03623	.26415					
#1	2028.0	5959.9	54683.	6062.3					
#2	2034.6	5948.2	54672.	6088.2					
#3	2036.8	5984.4	54711.	6091.8					

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Sample Name: MP31150-SD1 Acquired: 11/11/2016 13:42:33 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	209.8	.0557	.8111	.0070	160.0	.0029	.0725	.1898
Stddev	.0012	.7	.0032	.0058	.0001	.3	.0003	.0003	.0005
%RSD	793.5	.3247	5.822	.7161	1.452	.1963	11.59	.3671	.2518
#1	-.0005	209.1	.0519	.8055	.0069	159.7	.0031	.0722	.1895
#2	-.0005	210.5	.0571	.8171	.0071	160.1	.0030	.0726	.1903
#3	.0015	209.9	.0579	.8107	.0070	160.3	.0025	.0727	.1895
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1667	245.7	6.909	69.67	4.903	.0004	1.345	1.403	.5551
Stddev	.0013	.7	.051	.23	.011	.0010	.012	.0012	.0011
%RSD	.7567	.2950	.7457	.3298	.2170	264.3	.8631	.8232	.2038
#1	.1653	245.0	6.891	69.54	4.914	.0014	1.333	1.403	.5554
#2	.1670	246.4	6.967	69.54	4.901	.0003	1.355	1.392	.5538
#3	.1677	245.7	6.868	69.94	4.893	-.0005	1.349	1.415	.5560
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0013	.0031	1.431	.0389	.3293	4.235	-.0027	3.086	1.168
Stddev	.0030	.0072	.002	.0019	.0016	.015	.0086	.0009	.003
%RSD	237.7	233.9	.1504	4.938	.4782	.3646	317.5	.2862	.2180
#1	.0031	.0039	1.433	.0373	.3280	4.252	.0011	3.091	1.168
#2	.0029	.0098	1.430	.0410	.3311	4.222	.0033	3.075	1.166
#3	-.0022	-.0045	1.430	.0384	.3289	4.230	-.0125	3.090	1.171
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2262.9	5039.5	46649.	5059.4					
Stddev	2.1	12.8	152.	13.9					
%RSD	.09482	.25420	.32545	.27497					
#1	2265.4	5053.1	46474.	5069.1					
#2	2261.7	5037.8	46719.	5065.7					
#3	2261.7	5027.6	46753.	5043.5					

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Sample Name: MP31150-PS1 Acquired: 11/11/2016 13:46:55 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0357	172.0	1.224	.8673	.0452	128.6	.0414	.0936	.1841
Stddev	.0002	.4	.0008	.0038	.0001	.3	.0001	.0001	.0002
%RSD	.6994	.2040	.6718	.4370	.1260	.2667	.3314	1.308	.1283
#1	.0358	171.6	1.232	.8651	.0453	128.7	.0415	.0936	.1841
#2	.0354	172.2	1.216	.8717	.0452	128.2	.0414	.0937	.1843
#3	.0358	172.1	1.223	.8651	.0453	128.9	.0413	.0935	.1838
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2117	188.9	13.32	59.31	3.650	.0844	8.942	1.828	6.021
Stddev	.0008	.4	.02	.33	.009	.0006	.025	.0005	.0022
%RSD	.3989	.1996	.1607	.5506	.2355	.6526	.2826	.2562	.3618
#1	.2111	188.5	13.31	58.99	3.656	.0848	8.914	1.832	.6033
#2	.2113	188.8	13.30	59.30	3.653	.0845	8.963	1.829	.5996
#3	.2127	189.3	13.34	59.64	3.640	.0838	8.950	1.823	.6035
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0854	.0805	1.132	.0632	.3005	3.343	.0904	2.761	1.057
Stddev	.0006	.0004	.004	.0004	.0005	.004	.0024	.0002	.003
%RSD	.6593	.5126	.3498	.5900	.1694	.1076	2.690	.0899	.2855
#1	.0855	.0801	1.137	.0633	.3002	3.340	.0931	2.758	1.058
#2	.0859	.0805	1.132	.0628	.3002	3.347	.0885	2.762	1.060
#3	.0848	.0809	1.129	.0636	.3011	3.342	.0894	2.762	1.054
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1992.6	5915.8	54913.	6151.3					
Stddev	5.7	19.6	62.	42.8					
%RSD	.28716	.33094	.11345	.69609					
#1	1986.8	5894.1	54864.	6181.3					
#2	1998.2	5921.1	54892.	6170.3					
#3	1992.7	5932.2	54983.	6102.2					

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Sample Name: MP31150-S1 Acquired: 11/11/2016 13:51:30 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0346	191.7	1.496	2.215	.0446	127.2	.0406	.4190	.2826
Stddev	.0001	.5	.003	.007	.0001	.5	.0001	.0002	.0009
%RSD	.4301	.2735	.2179	.3231	.2453	.3682	.1670	.0475	.3048
#1	.0346	192.3	1.493	2.220	.0447	127.7	.0405	.4189	.2833
#2	.0348	191.5	1.495	2.219	.0446	127.0	.0406	.4190	.2816
#3	.0345	191.3	1.499	2.207	.0445	126.9	.0406	.4193	.2828
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3114	191.8	24.16	66.20	3.911	.3734	20.10	4.569	1.021
Stddev	.0008	.6	.09	.36	.018	.0007	.02	.0012	.003
%RSD	.2598	.3058	.3549	.5473	.4546	.1987	.1020	.2666	.3022
#1	.3122	192.4	24.24	66.61	3.910	.3736	20.12	4.564	1.018
#2	.3115	191.6	24.07	66.00	3.894	.3726	20.10	4.583	1.021
#3	.3106	191.3	24.18	65.98	3.929	.3740	20.08	4.560	1.024
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_22

Sample Name: CCV Acquired: 11/11/2016 13:55:59 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.455	40.56	1.998	2.007	1.973	39.63	2.023	2.039	1.992
Stddev	.0007	.25	.003	.008	.005	.08	.004	.004	.001
%RSD	.2701	.6276	.1418	.3802	.2582	.2102	.2047	.2204	.0262

#1	.2463	40.33	1.995	2.000	1.967	39.59	2.021	2.036	1.992
#2	.2450	40.52	2.001	2.015	1.974	39.58	2.020	2.036	1.992
#3	.2452	40.83	1.998	2.006	1.977	39.73	2.028	2.044	1.991

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.901	40.98	39.31	41.40	1.973	2.053	39.16	2.006	1.934
Stddev	.002	.22	.06	.48	.002	.005	.05	.003	.002
%RSD	.0985	.5272	.1630	1.170	.0793	.2458	.1358	.1279	.0758

#1	1.901	40.78	39.24	40.96	1.973	2.049	39.10	2.006	1.935
#2	1.903	40.95	39.31	41.33	1.974	2.053	39.15	2.003	1.933
#3	1.900	41.21	39.37	41.92	1.971	2.059	39.21	2.008	1.933

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.999	2.001	1.710	1.988	1.981	1.968	1.943	1.947	1.994
Stddev	.004	.009	.006	.002	.002	.002	.004	.002	.004
%RSD	.1927	.4462	.3331	.1165	.1172	.0777	.2120	.1141	.2210

#1	1.997	1.995	1.704	1.987	1.979	1.968	1.941	1.949	1.996
#2	1.996	1.996	1.709	1.986	1.981	1.970	1.940	1.949	1.989
#3	2.003	2.011	1.716	1.991	1.983	1.967	1.948	1.945	1.997

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 11/11/2016 13:55:59 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2103.4	4617.4	42533.	4733.1
Stddev	4.3	10.0	23.	31.3
%RSD	.20530	.21657	.05335	.66024

#1	2104.1	4624.1	42541.	4743.2
#2	2107.3	4622.3	42550.	4758.1
#3	2098.8	4605.9	42507.	4698.1

Sample Name: CCB Acquired: 11/11/2016 14:00:11 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	-0.019	.0000	.0000	.0000	-0.063	.0000	.0000	.0001
Stddev	.0002	.0053	.0010	.0001	.0000	.0019	.0000	.0001	.0002
%RSD	132.3	284.7	2454.	130.1	542.6	29.68	35.19	704.9	217.6

#1	-0.001	-0.074	-0.004	.0001	.0000	-0.043	.0001	.0001	.0001
#2	-0.004	-0.015	.0011	.0000	.0000	-0.081	.0000	.0000	.0003
#3	.0000	.0032	-0.006	.0000	.0000	-0.064	.0000	-0.001	-0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	.0050	.0539	-0.181	-0.002	.0000	.0112	.0000	.0003
Stddev	.0001	.0026	.0136	.0130	.0000	.000	.0029	.000	.0007
%RSD	30.22	51.99	25.22	71.74	9.216	659.7	25.84	148.1	225.5

#1	-0.004	.0080	.0535	-.0325	-.0002	.0003	.0110	.0000	.0009
#2	-0.002	.0041	.0406	-.0071	-.0002	-0.001	.0142	-0.001	.0005
#3	-0.003	.0030	.0678	-.0148	-.0002	-.0003	.0085	.0000	-.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.0009	.0018	.0004	-0.0001	-0.0001	-0.0001	.0000	-0.0003
Stddev	.000	.0006	.0002	.0002	.0000	.0000	.0009	.000	.0000
%RSD	4073.	73.57	9.915	61.11	49.53	73.52	1485.	597.7	12.44

#1	-0.002	-0.012	.0016	.0004	.0000	.0000	.0006	-.0001	-.0003
#2	-0.002	-0.013	.0019	.0007	-0.0001	-0.0001	-0.011	.0000	-0.0003
#3	.0004	-0.0001	.0018	.0002	-0.0001	-0.0001	.0003	.0001	-0.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 11/11/2016 14:00:11 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2381.3	4746.4	45005.	4768.1
Stddev	19.3	38.0	174.	13.7
%RSD	.81045	.79962	.38655	.28702

#1	2392.1	4765.6	45099.	4779.8
#2	2392.8	4770.9	44804.	4753.1
#3	2359.0	4702.7	45111.	4771.5

Sample Name: MP31150-S2 Acquired: 11/11/2016 14:04:44 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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Sample Name: FA38567-2 Acquired: 11/11/2016 14:09:16 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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Sample Name: FA38624-1 Acquired: 11/11/2016 14:13:46 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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Sample Name: FA38624-6 Acquired: 11/11/2016 14:18:21 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

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7.1

Sample Name: FA38459-3 Acquired: 11/11/2016 14:23:06 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	36.70	.0206	.6751	.0038	35.52	.0018	.0228	.2026
Stddev	.0007	.06	.0029	.0023	.0002	.06	.0000	.0004	.0009
%RSD	127.8	.1522	13.93	.3411	4.490	.1762	1.350	1.720	.4592
#1	-.0013	36.66	.0175	.6774	.0036	35.59	.0018	.0225	.2028
#2	-.0002	36.69	.0232	.6728	.0039	35.49	.0017	.0226	.2034
#3	-.0006	36.77	.0209	.6750	.0038	35.47	.0018	.0232	.2016
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1156	75.51	6.469	5.541	1.050	-0.043	.7027	.0392	.2609
Stddev	.0015	.18	.058	.086	.002	.0006	.0158	.0004	.0015
%RSD	1.292	.2361	.9020	1.551	.2225	14.00	2.247	.9874	.5808
#1	.1173	75.59	6.533	5.594	1.051	-.0042	.7206	.0388	.2599
#2	.1145	75.64	6.457	5.586	1.052	-.0038	.6908	.0392	.2627
#3	.1150	75.31	6.418	5.442	1.047	-.0050	.6968	.0395	.2602
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.011	-0.0033	1.549	.0313	1.147	.3802	.0044	.0688	.8578
Stddev	.0043	.0020	.002	.0014	.004	.0016	.0057	.0011	.0022
%RSD	374.5	60.00	.0968	4.613	.3491	.4335	129.1	1.604	.2549
#1	.0013	-.0056	1.550	.0310	1.147	.3821	.0075	.0693	.8585
#2	-.0061	-.0020	1.547	.0300	1.143	.3797	.0077	.0695	.8554
#3	.0013	-.0024	1.549	.0328	1.151	.3789	-.0021	.0675	.8596
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2410.6	5024.4	47325.	5016.1					
Stddev	3.9	2.7	15.	2.3					
%RSD	.16279	.05346	.03273	.04523					
#1	2415.1	5021.3	47308.	5013.6					
#2	2408.0	5026.2	47339.	5016.4					
#3	2408.7	5025.6	47328.	5018.2					

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Sample Name: FA38459-4 Acquired: 11/11/2016 14:27:32 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	11.08	.0009	.0706	.0004	1.842	.0000	.0013	.0211
Stddev	.0001	.02	.0007	.0004	.0000	.016	.000	.0001	.0002
%RSD	26.52	.1732	82.76	.5545	10.66	.8740	86.86	6.115	1.014
#1	-.0004	11.10	.0012	.0707	.0004	1.837	-.0001	.0014	.0210
#2	-.0003	11.06	.0014	.0702	.0004	1.829	-.0001	.0013	.0209
#3	-.0003	11.07	.0001	.0710	.0004	1.860	.0000	.0013	.0213
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0031	3.995	6.833	.6538	.0308	-0.010	1.263	.0053	.0086
Stddev	.0001	.016	.020	.0236	.0002	.0001	.008	.0000	.0005
%RSD	2.007	.4078	.2923	3.610	.5103	10.95	.6399	.8381	5.411
#1	.0031	4.003	6.834	.6524	.0310	-.0009	1.264	.0054	.0091
#2	.0032	3.977	6.813	.6309	.0307	-.0010	1.255	.0054	.0084
#3	.0030	4.006	6.853	.6781	.0307	-.0011	1.271	.0053	.0083
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.006	-0.0019	1.388	.0180	.0888	.2806	-0.012	.0154	.0110
Stddev	.0006	.0013	.002	.0006	.0003	.0004	.0008	.0001	.0000
%RSD	109.6	65.24	.1143	3.121	.3240	1.260	68.45	.9494	.2107
#1	-.0006	-.0005	1.388	.0179	.0886	.2805	-.0020	.0153	.0110
#2	-.0012	-.0030	1.386	.0175	.0886	.2810	-.0004	.0156	.0110
#3	.0001	-.0023	1.390	.0186	.0891	.2803	-.0011	.0153	.0109
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2388.6	4927.8	46482.	4906.6					
Stddev	5.9	8.0	149.	16.9					
%RSD	.24837	.16322	.32049	.34429					
#1	2386.7	4919.0	46402.	4899.8					
#2	2395.3	4934.7	46391.	4925.9					
#3	2383.9	4929.9	46654.	4894.2					

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Sample Name: FA38459-5 Acquired: 11/11/2016 14:32:00 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.016	28.83	.0605	.4675	.0077	196.0	.0000	.0721	.7574
Stddev	.0005	.16	.0028	.0017	.0000	1.2	.0004	.0005	.0040
%RSD	32.28	.5547	4.617	.3730	.3223	.6268	1259.	.6405	.5261
#1	-.0012	28.93	.0637	.4684	.0077	196.7	-.0003	.0726	.7611
#2	-.0022	28.91	.0591	.4686	.0077	196.8	-.0001	.0721	.7532
#3	-.0015	28.64	.0587	.4655	.0077	194.6	.0004	.0717	.7578
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1149	278.3	3.942	12.04	3.631	.0000	.8889	.1068	.2469
Stddev	.0006	.9	.038	.19	.012	.0002	.0099	.0014	.0021
%RSD	.5654	.3368	.9649	1.572	.3179	198.1	1.116	1.307	.8438
#1	.1143	278.8	3.903	11.94	3.644	.0001	.8846	.1072	.2445
#2	.1148	278.8	3.945	11.92	3.623	.0002	.8819	.1053	.2479
#3	.1156	277.2	3.979	12.26	3.625	-.0002	.9003	.1080	.2483
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0079	-0.0017	1.006	.0300	.6912	.4518	-0.0037	.1841	1.826
Stddev	.0031	.0033	.003	.0009	.0054	.0015	.0061	.0006	.007
%RSD	38.77	193.6	.2786	2.993	.7782	.3367	165.8	.3283	.3617
#1	.0091	.0014	1.009	.0289	.6936	.4534	-.0006	.1839	1.832
#2	.0102	-.0052	1.003	.0305	.6949	.4515	-.0107	.1848	1.827
#3	.0044	-.0014	1.007	.0305	.6850	.4504	-.0010	.1836	1.819
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2312.9	4806.7	45540.	4890.6					
Stddev	4.2	4.5	114.	12.7					
%RSD	.18273	.09285	.25085	.26053					
#1	2312.8	4804.3	45514.	4885.3					
#2	2308.7	4804.0	45442.	4881.3					
#3	2317.1	4811.9	45666.	4905.1					

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Sample Name: FA38459-6 Acquired: 11/11/2016 14:36:25 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	77.12	.0118	.2308	.0031	46.29	.0015	.0066	.2350
Stddev	.0002	.24	.0007	.0005	.0000	.13	.0000	.0001	.0002
%RSD	1052.	.3128	5.609	.2242	.5940	2804.	1.557	.7918	.1018
#1	.0002	76.85	.0114	.2304	.0030	46.15	.0015	.0066	.2353
#2	.0001	77.30	.0126	.2306	.0031	46.40	.0015	.0066	.2348
#3	-.0002	77.21	.0115	.2313	.0031	46.31	.0016	.0065	.2349
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0220	20.88	39.45	7.044	.1923	-0.009	4.738	.0279	.0412
Stddev	.0003	.08	.10	.102	.0004	.0001	.023	.0001	.0002
%RSD	1.442	.3740	.2552	1.446	.2229	6.137	4.918	.4910	.5774
#1	.0217	20.79	39.36	6.941	.1919	-.0009	4.714	.	

Sample Name: FA38459-7 Acquired: 11/11/2016 14:40:47 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.008	28.82	0.226	4.661	0.029	511.3	0.066	0.253	3.199
Stddev	0.002	.12	.0003	.0021	.0001	2.0	.0001	.0001	.0011
%RSD	26.21	.4216	1.167	.4611	2.029	.3823	.9578	.5647	.3455
#1	-0.009	28.71	.0223	4.638	.0030	510.2	.0066	.0254	3.190
#2	-0.005	28.95	.0227	4.681	.0029	513.5	.0065	.0251	3.195
#3	-0.009	28.80	.0228	4.663	.0029	510.0	.0067	.0253	3.211
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.185	130.8	9.083	14.73	1.284	0.086	13.04	1.136	6.463
Stddev	0.006	.4	.053	.09	.005	.0001	.02	.0001	.0017
%RSD	.4962	.2893	.5789	.5792	.4281	1.537	.1859	.1168	.2663
#1	.1184	130.5	9.070	14.73	1.281	.0084	13.01	1.135	6.449
#2	.1192	131.2	9.140	14.64	1.281	.0086	13.05	1.137	6.482
#3	.1180	130.8	9.038	14.81	1.291	.0087	13.05	1.137	6.459
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.048	0.034	1.396	0.346	0.7239	1.132	0.0008	0.804	3.547
Stddev	.0001	.0005	.003	.0006	.0036	.002	.0003	.0004	.006
%RSD	2.238	14.87	.1802	1.796	.4996	.1899	44.82	52.86	1.590
#1	.0047	.0037	1.395	.0351	.7206	1.129	-.0012	.0800	3.544
#2	.0047	.0037	1.399	.0339	.7278	1.133	-.0006	.0802	3.544
#3	.0049	.0028	1.394	.0348	.7235	1.132	-.0006	.0809	3.553
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1974.6	4873.5	4597.4	5151.6					
Stddev	4.0	4.8	130.	5.6					
%RSD	.20495	.09790	.28226	.10846					
#1	1971.3	4873.2	46123.	5150.8					
#2	1973.3	4868.9	45898.	5157.5					
#3	1979.1	4878.5	45899.	5146.4					

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Sample Name: FA38459-8 Acquired: 11/11/2016 14:45:17 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	23.34	0.048	1.155	0.007	15.41	0.030	0.023	0.376
Stddev	0.001	.02	.0007	.0004	.0000	.04	.0000	.0001	.0002
%RSD	143.4	.0805	15.67	.3726	4.589	.2309	.6628	4.717	.6075
#1	-0.002	23.33	.0039	1.152	.0007	15.41	.0030	.0024	.0379
#2	0.000	23.36	.0054	1.160	.0006	15.45	.0030	.0023	.0375
#3	-0.001	23.34	.0050	1.154	.0007	15.38	.0029	.0022	.0375
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.298	9.350	11.57	1.058	1.485	-0.008	6.000	0.123	0.207
Stddev	.0003	.028	.02	.008	.0005	.0001	.024	.0001	.0007
%RSD	.9022	.2986	.1613	.7629	.3144	7.522	.3928	1.096	3.176
#1	.0295	9.333	11.59	1.068	1.488	-0.008	6.027	0.121	0.208
#2	.0301	9.382	11.57	1.054	1.480	-0.008	5.984	0.124	0.213
#3	.0299	9.335	11.55	1.054	1.487	-0.009	5.988	0.124	0.200
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.003	-0.003	1.445	0.174	1.780	3.454	-0.012	0.331	0.279
Stddev	.0004	.0007	.003	.0003	.0002	.0006	.0001	.0002	.0001
%RSD	152.2	244.8	.1743	1.734	1.193	.1615	11.91	.5763	.3192
#1	-0.007	-0.010	1.443	.0175	1.783	.3461	-.0014	.0332	.0279
#2	.0000	.0005	1.443	.0176	1.779	.3453	-.0011	.0329	.0280
#3	.0000	-.0005	1.448	.0170	1.780	.3450	-.0011	.0333	.0278
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2342.2	5085.3	48384.	5141.0					
Stddev	3.8	8.3	101.	27.9					
%RSD	.16138	.16231	.20813	.54323					
#1	2343.8	5094.7	48270.	5112.7					
#2	2344.9	5081.8	48420.	5141.6					
#3	2337.9	5079.4	48461.	5168.6					

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Sample Name: CCV Acquired: 11/11/2016 14:49:40 Type: QC
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.499	41.03	2.021	2.061	1.971	39.49	2.054	2.090	1.985
Stddev	.0026	.13	.008	.009	.004	.04	.006	.006	.004
%RSD	1.048	.3050	.4025	.4519	.2153	.0995	.2962	.2760	.2002
#1	.2497	40.89	2.025	2.053	1.966	39.44	2.061	2.096	1.983
#2	.2474	41.14	2.026	2.071	1.975	39.52	2.053	2.090	1.989
#3	.2527	41.07	2.012	2.058	1.972	39.50	2.049	2.084	1.982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.877	41.04	39.26	41.68	1.961	2.109	39.29	2.026	1.926
Stddev	.007	.05	.17	.10	.005	.001	.11	.005	.012
%RSD	.3967	.1259	.4304	.2330	.2626	.0505	.2783	.2610	.6244
#1	1.877	40.98	39.11	41.78	1.955	2.110	39.22	2.032	1.936
#2	1.869	41.08	39.44	41.68	1.965	2.110	39.42	2.023	1.913
#3	1.884	41.04	39.24	41.58	1.964	2.108	39.24	2.023	1.930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.037	2.053	1.746	1.994	1.976	1.943	1.932	1.933	2.003
Stddev	.003	.011	.003	.005	.006	.003	.005	.004	.009
%RSD	.1686	.5168	.1740	.2730	.3213	.1698	.2624	.1791	.4714
#1	2.035	2.058	1.745	2.001	1.973	1.946	1.935	1.929	2.014
#2	2.041	2.060	1.749	1.990	1.984	1.943	1.926	1.934	1.997
#3	2.035	2.041	1.743	1.992	1.973	1.940	1.934	1.936	1.999
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 11/11/2016 14:49:40 Type: QC
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2102.7	4548.9	42681.	4764.3					
Stddev	4.1	4.0	130.	22.0					
%RSD	.19261	.08752	.30500	.46250					
#1	2101.1	4550.3	42643.	4738.9					
#2	2107.3	4544.4	42574.	4775.8					
#3	2099.8	4552.0	42826.	4778.3					

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Sample Name: CCB Acquired: 11/11/2016 14:53:51 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	.0002	.0003	.0001	.0001	-0.0044	.0001	.0000	.0002
Stddev	.0002	.0049	.0005	.0001	.0000	.0009	.0001	.0000	.0001
%RSD	58.27	2431.	184.9	72.25	36.38	21.05	57.01	96.36	55.85
#1	-.0004	.0051	.0002	.0002	.0001	-.0037	.0002	.0001	.0001
#2	-.0003	.0001	-.0002	.0000	.0001	-.0054	.0001	.0000	.0002
#3	-.0001	-.0046	.0008	.0002	.0001	-.0040	.0001	.0000	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0016	.0293	-0.262	-0.001	.0000	.0084	.0001	.0003
Stddev	.0001	.0013	.0013	.0232	.0000	.000	.0060	.0001	.0002
%RSD	57.90	77.68	4.510	88.61	19.37	3332.	71.14	41.12	67.60
#1	-.0001	.0030	.0307	-.0059	-.0001	.0002	.0015	.0001	.0005
#2	-.0003	.0013	.0291	-.0514	-.0001	.0001	.0119	.0001	.0002
#3	-.0002	.0006	.0281	-.0212	-.0001	-.0003	.0118	.0002	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0002	.023	.0006	.0000	-0.002	.0007	.0001	-0.001
Stddev	.0005	.0014	.0005	.0001	.000	.0001	.0009	.0001	.0000
%RSD	98.46	882.8	23.13	18.69	370.8	43.03	135.2	125.4	14.71
#1	.0011	.0001	.0026	.0005	-.0001	-.0001	.0003	.0000	-.0001
#2	.0001	-.0012	.0026	.0007	.0001	-.0003	.0000	.0002	-.0001
#3	.0004	.0016	.0017	.0007	.0000	-.0001	.0018	.0001	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 11/11/2016 14:53:51 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2429.7	4831.9	45618.	4745.0
Stddev	3.9	19.5	245.	9.5
%RSD	.16108	.40309	.53746	.19967
#1	2425.4	4814.6	45622.	4744.4
#2	2433.2	4828.1	45371.	4754.7
#3	2430.5	4853.0	45862.	4735.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0016	.0293	-0.262	-0.001	.0000	.0084	.0001	.0003
Stddev	.0001	.0013	.0013	.0232	.0000	.000	.0060	.0001	.0002
%RSD	57.90	77.68	4.510	88.61	19.37	3332.	71.14	41.12	67.60
#1	-.0001	.0030	.0307	-.0059	-.0001	.0002	.0015	.0001	.0005
#2	-.0003	.0013	.0291	-.0514	-.0001	.0001	.0119	.0001	.0002
#3	-.0002	.0006	.0281	-.0212	-.0001	-.0003	.0118	.0002	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0002	.023	.0006	.0000	-0.002	.0007	.0001	-0.001
Stddev	.0005	.0014	.0005	.0001	.000	.0001	.0009	.0001	.0000
%RSD	98.46	882.8	23.13	18.69	370.8	43.03	135.2	125.4	14.71
#1	.0011	.0001	.0026	.0005	-.0001	-.0001	.0003	.0000	-.0001
#2	.0001	-.0012	.0026	.0007	.0001	-.0003	.0000	.0002	-.0001
#3	.0004	.0016	.0017	.0007	.0000	-.0001	.0018	.0001	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: FA38459-9 Acquired: 11/11/2016 14:58:24 Type: Unk
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.018	36.23	.0973	.4932	.0051	22.24	.0117	.0604	.4263
Stddev	.0008	.29	.0025	.0026	.0000	.12	.0003	.0002	.0010
%RSD	45.65	8055	2.611	5.339	.2980	.5405	2.447	3.104	2.372
#1	-.0019	36.10	.0994	.4916	.0051	22.11	.0117	.0605	.4255
#2	-.0009	36.56	.0981	.4962	.0051	22.35	.0114	.0605	.4275
#3	-.0025	36.02	.0945	.4918	.0051	22.25	.0119	.0602	.4260

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4844	292.7	2.240	4.956	3.243	.0103	.5743	1.505	1.049
Stddev	.0014	1.5	.140	.144	.015	.0006	.0253	.0006	.006
%RSD	.2879	.5173	6.243	2.906	.4738	5.530	4.408	.3663	.5413
#1	.4839	292.2	2.299	4.919	3.226	.0108	.5608	.1509	1.051
#2	.4860	294.4	2.080	5.114	3.252	.0105	.6035	.1508	1.043
#3	.4834	291.5	2.340	4.833	3.253	.0097	.5587	.1499	1.054

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0155	.0020	1.596	.0851	.1897	.4516	.0049	.1675	9.096
Stddev	.0034	.0024	.005	.0025	.0013	.0008	.0023	.0002	.018
%RSD	22.11	117.1	.3141	2.948	.7024	.1767	46.43	.1336	.1969
#1	.0188	.0016	1.601	.0822	.1882	.4521	.0023	.1678	9.106
#2	.0120	-.0001	1.591	.0867	.1909	.4519	.0064	.1674	9.107
#3	.0158	.0046	1.597	.0864	.1899	.4506	.0061	.1673	9.076

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2381.4	4915.4	46434.	4894.7
Stddev	4.3	5.0	121.	33.4
%RSD	.18133	.10084	.26126	.68215
#1	2385.6	4915.4	46562.	4893.4
#2	2381.5	4920.4	46320.	4862.0
#3	2377.0	4910.4	46420.	4928.8

Sample Name: FA38459-10 Acquired: 11/11/2016 15:02:44 Type: Unk
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	25.09	.0050	.1707	.0008	7.675	.0020	.0038	.0614
Stddev	.0001	.05	.0005	.0003	.0000	.036	.0000	.0002	.0004
%RSD	52.22	.1865	9.291	.1481	2.267	4.670	2.012	4.013	.7203
#1	-.0004	25.15	.0051	.1707	.0008	7.714	.0020	.0037	.0610
#2	-.0001	25.08	.0046	.1709	.0008	7.666	.0020	.0036	.0619
#3	-.0003	25.06	.0055	.1704	.0008	7.644	.0021	.0039	.0614

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1309	16.51	1.568	.9246	.1078	-0.004	1.154	.0195	.0866
Stddev	.0006	.04	.020	.0133	.0002	.0001	.006	.0002	.0004
%RSD	.4287	.2619	1.260	1.441	.1443	.3083	.4815	.8010	.4088
#1	.1303	16.55	1.585	.9227	.1077	-.0003	1.158	.0194	.0864
#2	.1309	16.51	1.546	.9124	.1080	-.0005	1.147	.0196	.0865
#3	.1314	16.46	1.571	.9389	.1079	-.0004	1.155	.0196	.0870

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0003	-0.0028	1.414	.0287	.2444	.3679	-0.018	.0155	1.566
Stddev	.0001	.0022	.002	.0006					

Sample Name: FA38459-11 Acquired: 11/11/2016 15:07:07 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.028	33.55	.0554	1.321	.0031	329.5	.0218	.0591	4.357
Stddev	.0020	.28	.0026	.005	.0004	1.8	.0005	.0005	.0016
%RSD	70.50	.8390	4.612	.3748	11.56	.5479	2.190	.7786	.3572
#1	-.0051	33.39	.0583	1.319	.0029	331.0	.0217	.0596	4.370
#2	-.0012	33.88	.0537	1.327	.0036	330.0	.0213	.0591	4.340
#3	-.0022	33.39	.0542	1.318	.0030	327.5	.0223	.0587	4.362
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4566	329.1	5.380	16.23	3.808	.0118	2.988	.2078	1.574
Stddev	.0017	1.7	.082	.07	.013	.0006	.047	.0004	.003
%RSD	.3693	.5145	1.524	.4484	.3510	4.952	1.587	.2071	.1799
#1	.4586	329.7	5.473	16.16	3.798	.0113	2.967	.2082	1.577
#2	.4556	330.4	5.318	16.23	3.823	.0124	3.042	.2074	1.571
#3	.4556	327.2	5.348	16.31	3.803	.0117	2.954	.2077	1.574
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0137	.0083	1.623	.2446	.8175	1.119	.0014	.1154	7.610
Stddev	.0044	.0048	.006	.0020	.0056	.002	.0019	.0007	.012
%RSD	31.88	58.01	.3620	.8371	.6849	.1389	132.6	.5756	.1602
#1	.0186	.0034	1.619	.2459	.8145	1.120	-.0007	.1158	7.624
#2	.0105	.0130	1.619	.2457	.8240	1.118	.0022	.1147	7.608
#3	.0119	.0084	1.629	.2422	.8141	1.121	.0028	.1158	7.600
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2286.1	4818.2	46223.	4986.9					
Stddev	5.2	15.5	70.	43.9					
%RSD	.22530	.32119	.15108	.88010					
#1	2285.0	4815.1	46299.	4949.1					
#2	2291.8	4835.0	46161.	4976.5					
#3	2281.7	4804.5	46211.	5035.0					

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Sample Name: FA38460-1 Acquired: 11/11/2016 15:11:28 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0015	132.3	.0167	.3639	.0056	98.32	.0128	.0191	.2732
Stddev	.0001	.2	.0005	.0004	.0000	.36	.0001	.0001	.0013
%RSD	7.426	.1175	2.906	.1154	.4129	.3627	.4358	.3604	.4940
#1	.0016	132.3	.0172	.3634	.0056	98.52	.0128	.0190	.2721
#2	.0014	132.5	.0166	.3640	.0056	97.91	.0129	.0191	.2747
#3	.0015	132.2	.0163	.3642	.0056	98.53	.0129	.0192	.2728
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0231	25.97	7.624	10.26	.0583	.0023	10.24	.0644	.2106
Stddev	.0002	.06	.028	.09	.0001	.0000	.02	.0001	.0013
%RSD	.7045	.2224	.3681	.8912	.1811	.5500	.1627	.1424	.6257
#1	.0230	26.00	7.655	10.22	.0582	.0023	10.26	.0643	.2112
#2	.0233	25.91	7.601	10.19	.0584	.0023	10.24	.0644	.2091
#3	.0230	26.01	7.616	10.36	.0584	.0023	10.23	.0645	.2116
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0015	.0023	1.923	.0143	.7980	.3538	-.0055	.2263	.1135
Stddev	.0003	.0010	.001	.0002	.0023	.0009	.0018	.0007	.0003
%RSD	21.44	44.44	.0704	1.132	.2887	.2595	32.72	.3181	.2412
#1	-.0018	.0019	1.921	.0145	.7984	.3532	-.0064	.2258	.1133
#2	-.0013	.0015	1.924	.0142	.8001	.3549	-.0034	.2271	.1134
#3	-.0013	.0034	1.922	.0143	.7956	.3534	-.0067	.2261	.1138
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2087.2	8818.8	83294.	9059.3					
Stddev	2.4	10.0	204.	70.1					
%RSD	.11479	.11379	.24484	.77402					
#1	2084.8	8814.4	83463.	9055.6					
#2	2087.1	8830.2	83067.	9131.2					
#3	2089.6	8811.6	83351.	8991.1					

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7.1
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Sample Name: FA38539-1 Acquired: 11/11/2016 15:15:47 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0009	162.2	.1208	3.650	.0123	F 729.2	.0044	.1363	.3561
Stddev	.0002	1.0	.0014	.016	.0000	4.6	.0005	.0001	.0011
%RSD	25.69	.6200	1.125	.4395	.3325	.6273	11.33	.1026	.3058
#1	.0011	161.4	.1209	3.640	.0124	724.0	.0049	.1362	.3548
#2	.0007	161.8	.1193	3.642	.0123	731.2	.0043	.1364	.3568
#3	.0010	163.3	.1220	3.669	.0123	732.5	.0039	.1364	.3566
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3271	306.5	25.30	129.3	F 7.369	.0188	2.330	.4062	.6195
Stddev	.0011	4.5	.01	1.0	.010	.0003	.016	.0003	.0007
%RSD	.3283	1.469	.0541	.7580	.1405	1.612	.6852	.0825	.1170
#1	.3271	301.5	25.28	128.8	7.362	.0185	2.315	.4059	.6203
#2	.3282	307.8	25.31	128.7	7.364	.0186	2.328	.4061	.6195
#3	.3261	310.2	25.30	130.4	7.381	.0191	2.347	.4065	.6188
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0108	.0099	2.409	.0245	3.254	.7098	-.0023	.2493	1.160
Stddev	.0005	.0033	.001	.0004	.017	.0024	.0023	.0011	.001
%RSD	4.298	33.54	.0255	1.471	.5135	.3327	102.4	.4368	.0505
#1	.0111	.0062	2.408	.0249	3.241	.7074	-.0030	.2485	1.160
#2	.0110	.0126	2.409	.0245	3.248	.7121	-.0003	.2506	1.159
#3	.0102	.0109	2.409	.0242	3.273	.7100	-.0041	.2489	1.159
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1709.3	5998.8	56935.	6467.6					
Stddev	3.7	6.0	60.	51.6					
%RSD	.21901	.10035	.10454	.79745					
#1	1707.8	5994.1	56994.	6516.3					
#2	1713.5	6005.5	56937.	6473.0					
#3	1706.5	5996.7	56875.	6413.5					

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Sample Name: FA38539-2 Acquired: 11/11/2016 15:20:33 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0010	191.8	.1333	3.633	.0159	320.7	.0034	.1371	.3355
Stddev	.0001	.9	.0011	.017	.0001	3.4	.0004	.0004	.0018
%RSD	11.50	.4753	.8207	.4653	.3408	1.072	11.37	.3239	.5498
#1	-.0009	190.8	.1344	3.613	.0160	317.2	.0038	.1366	.3376
#2	-.0011	192.6	.1322	3.642	.0159	324.1	.0030	.1372	.3340
#3	-.0009	192.1	.1334	3.643	.0159	320.8	.0035	.1375	.3349
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3728	327.0	23.51	68.43	F 6.270	.0225	F 220.9	.3687	.5653
Stddev	.0007	4.1	.11	.40	.017	.0002	1.8	.0015	.0020
%RSD	.1766	1.251	.4838	.5774	.2656	.8356	.7939	.4102	.3474
#1	.3733	322.9	23.38	68.12	6.				

Sample Name: FA38539-3 Acquired: 11/11/2016 15:25:23 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 12 columns (Elem, IS Ref, Avg, Stdev, %RSD) and 12 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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Sample Name: FA38539-4 Acquired: 11/11/2016 15:30:14 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 12 columns (Elem, IS Ref, Avg, Stdev, %RSD) and 12 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

Raw Data MA13566 page 118 of 130

Sample Name: CRIA Acquired: 11/11/2016 15:35:06 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 12 columns (Elem, IS Ref, Avg, Stdev, %RSD) and 12 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

Raw Data MA13566 page 119 of 130

Sample Name: ICSA Acquired: 11/11/2016 15:39:32 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 12 columns (Elem, IS Ref, Avg, Stdev, %RSD) and 12 rows of data for various elements including Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn.

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7.1

Sample Name: ICSA Acquired: 11/11/2016 15:39:32 Type: Unk
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1824.6	4150.5	39389.	4436.4
Stddev	4.1	8.6	33.	6.9
%RSD	.22716	.20684	.08253	.15498
#1	1829.2	4157.4	39426.	4443.3
#2	1821.2	4153.2	39371.	4429.6
#3	1823.4	4140.9	39369.	4436.2

Sample Name: CCV Acquired: 11/11/2016 15:44:11 Type: QC
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.470	41.35	2.016	2.079	1.957	39.40	2.062	2.101	1.964
Stddev	.0008	.03	.005	.003	.002	.06	.001	.001	.008
%RSD	.3326	.0791	.2712	.1628	.0759	.1492	.0355	.0564	.4244
#1	.2465	41.35	2.011	2.081	1.958	39.42	2.062	2.100	1.958
#2	.2465	41.39	2.016	2.081	1.958	39.34	2.063	2.102	1.961
#3	.2479	41.32	2.022	2.075	1.956	39.45	2.063	2.101	1.974

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.831	41.25	39.18	42.69	1.925	2.123	38.87	2.026	1.917
Stddev	.001	.05	.09	.18	.008	.001	.06	.001	.004
%RSD	.0421	.1307	.2374	.4282	.4304	.0633	.1604	.0642	.2199
#1	1.830	41.27	39.21	42.86	1.916	2.122	38.88	2.024	1.917
#2	1.832	41.19	39.08	42.71	1.926	2.122	38.81	2.027	1.922
#3	1.831	41.30	39.26	42.50	1.933	2.124	38.93	2.026	1.913

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.029	2.052	1.741	1.984	1.952	1.905	1.919	1.894	2.008
Stddev	.003	.001	.002	.001	.004	.004	.007	.008	.001
%RSD	.1511	.0509	.1227	.0547	.1815	.2354	.3867	.4004	.0639
#1	2.026	2.051	1.739	1.983	1.954	1.901	1.914	1.886	2.006
#2	2.032	2.053	1.743	1.984	1.948	1.904	1.914	1.893	2.009
#3	2.029	2.051	1.742	1.985	1.953	1.910	1.927	1.901	2.008

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

7.1
7

Sample Name: CCV Acquired: 11/11/2016 15:44:11 Type: QC
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2112.3	4536.8	43105.	4616.4
Stddev	4.8	2.7	177.	11.5
%RSD	.22736	.05876	.41050	.24847
#1	2106.8	4534.7	43298.	4617.1
#2	2115.9	4535.9	43068.	4627.5
#3	2114.0	4539.8	42949.	4604.6

Sample Name: CCB Acquired: 11/11/2016 15:48:23 Type: QC
Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.012	0.002	0.002	0.001	0.007	0.001	0.001	0.001
Stddev	.0002	.0036	.0004	.0001	.0001	.0028	.0001	.0000	.0001
%RSD	115.3	306.8	177.5	71.53	162.1	414.5	138.4	44.44	188.4
#1	-0.004	0.039	0.007	0.001	0.000	-0.015	0.001	0.001	-0.001
#2	0.001	-0.028	-0.001	0.003	0.001	0.039	0.000	0.002	0.001
#3	-0.003	0.024	0.001	0.002	0.001	-0.003	0.000	0.001	0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	0.062	0.099	0.029	-0.002	0.000	0.380	0.000	0.002
Stddev	.0001	.0023	.0417	.0103	.0000	.000	.0053	.000	.0001
%RSD	27.33	37.26	419.6	359.0	25.71	1779.	13.88	303.0	49.85
#1	-0.003	0.040	0.051	0.069	-0.001	0.004	0.429	0.001	0.002
#2	-0.005	0.086	-0.270	0.105	-0.001	0.000	0.324	-0.002	0.002
#3	-0.004	0.058	0.016	-0.088	-0.002	-0.004	0.386	-0.001	0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.006	0.000	0.023	0.007	0.000	-0.003	0.003	0.000	-0.002
Stddev	.0010	.001	.0001	.0001	.0000	.0000	.0014	.0002	.0001
%RSD	165.0	3619.	5.478	20.47	354.7	6.345	508.9	610.8	26.37
#1	-0.002	-0.004	0.022	0.008	0.000	-0.003	-0.012	0.000	-0.003
#2	0.003	-0.007	0.023	0.006	0.000	-0.003	0.014	-0.001	-0.002
#3	0.017	0.010	0.024	0.006	0.001	-0.003	0.006	0.002	-0.002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit Low Limit

Sample Name: CCB Acquired: 11/11/2016 15:48:23 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2449.8	4802.6	46132.	4747.9
Stddev	5.2	6.6	152.	13.3
%RSD	.21079	.13644	.32920	.28005
#1	2449.3	4808.2	46052.	4763.2
#2	2445.0	4795.4	46036.	4742.0
#3	2455.2	4804.3	46307.	4738.7

Sample Name: ICSAB Acquired: 11/11/2016 15:52:57 Type: Unk
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	F.9630	F.509.1	1.109	.5460	.4958	471.9	.9780	.5028	.4897
Stddev	.0009	4.2	.002	.0014	.0027	.3	.0023	.0011	.0027
%RSD	.0885	.8242	.2109	.2645	.5488	.0581	.2363	.2228	.5440
#1	.9634	510.5	1.109	.5477	.4984	471.7	.9772	.5026	.4916
#2	.9620	504.4	1.107	.5453	.4959	472.2	.9762	.5019	.4867
#3	.9636	512.4	1.112	.5451	.4930	471.9	.9806	.5041	.4908
Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.4938	178.0	.0485	F.547.4	.4700	1.027	.2127	.9653	.9552
Stddev	.0012	.9	.0021	4.1	.0006	.004	.0038	.0031	.0034
%RSD	.2436	.5153	4.362	.7567	.1290	.3716	1.803	.3194	.3520
#1	.4951	179.0	.0499	552.0	.4700	1.025	.2102	.9652	.9575
#2	.4932	177.8	.0495	546.3	.4706	1.024	.2171	.9622	.9568
#3	.4929	177.1	.0461	543.9	.4694	1.031	.2107	.9684	.9514
Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	1.064	1.057	.0651	.9347	.9964	.9473	.9476	.4422	.9511
Stddev	.005	.001	.0021	.0042	.0043	.0030	.0074	.0012	.0025
%RSD	.4583	.1340	3.262	.4503	.4313	.3125	.7770	.2711	.2606
#1	1.058	1.057	.0662	.9340	1.001	.9491	.9453	.4436	.9524
#2	1.065	1.059	.0627	.9309	.9960	.9439	.9559	.4413	.9483
#3	1.068	1.056	.0665	.9392	.9923	.9489	.9417	.4417	.9527
Int. Std. Units	In2306 ppm	Y_2243 ppm	Y_3600 ppm	Y_3710 ppm					
Avg	1804.4	4174.6	39364.	4408.1					
Stddev	3.6	10.4	76.	29.3					
%RSD	.20201	.24866	.19342	.66397					
#1	1806.7	4181.9	39290.	4374.7					
#2	1800.2	4179.2	39442.	4420.2					
#3	1806.4	4162.7	39358.	4429.4					

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Sample Name: CCV Acquired: 11/11/2016 15:57:26 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.2476	41.11	2.035	2.083	1.954	39.39	2.080	2.128	1.954
Stddev	.0007	.15	.004	.006	.001	.06	.007	.008	.007
%RSD	.2636	.3656	.1979	.2777	.0293	.1407	.3207	.3805	.3795
#1	.2469	40.98	2.031	2.077	1.954	39.43	2.075	2.120	1.956
#2	.2481	41.28	2.039	2.086	1.954	39.32	2.088	2.136	1.946
#3	.2479	41.07	2.034	2.087	1.955	39.41	2.078	2.126	1.961

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	1.825	40.96	39.21	42.03	1.928	2.155	39.09	2.044	1.913
Stddev	.004	.00	.10	.08	.004	.011	.09	.005	.002
%RSD	.2254	.0032	.2664	.1950	.2277	.5246	.2300	.2394	.1157
#1	1.822	40.96	39.09	41.93	1.933	2.143	38.99	2.039	1.915
#2	1.824	40.96	39.24	42.05	1.925	2.166	39.11	2.049	1.910
#3	1.830	40.96	39.29	42.09	1.926	2.155	39.17	2.044	1.914

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	2.057	2.072	1.763	1.997	1.947	1.893	1.910	1.893	2.022
Stddev	.008	.010	.005	.002	.005	.004	.001	.001	.004
%RSD	.3690	.4831	.2744	.1098	.2608	.1976	.0486	.0712	.2122
#1	2.048	2.060	1.758	1.994	1.941	1.892	1.910	1.895	2.022
#2	2.062	2.079	1.767	1.999	1.951	1.890	1.911	1.893	2.026
#3	2.061	2.076	1.763	1.998	1.949	1.897	1.909	1.892	2.017

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 11/11/2016 15:57:26 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2108.5	4482.2	43218.	4628.3
Stddev	2.8	14.4	129.	13.9
%RSD	.13427	.32030	.29878	.30065
#1	2108.1	4498.4	43212.	4620.8
#2	2111.4	4471.1	43350.	4644.4
#3	2105.8	4477.0	43092.	4619.8

Sample Name: CCB Acquired: 11/11/2016 16:01:38 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	.0030	.0005	.0001	.0001	-0.004	.0000	.0000	.0003
Stddev	.0000	.0026	.0005	.0001	.0000	.0007	.0000	.0001	.0001
%RSD	10.06	88.65	96.29	178.2	11.33	200.4	32.39	353.2	24.49
#1	-.0004	.0009	.0000	.0002	.0001	-.0012	.0000	.0001	.0003
#2	-.0003	.0060	.0010	.0001	.0001	.0000	.0000	.0000	.0003
#3	-.0004	.0020	.0005	-.0001	.0001	.0001	.0000	.0000	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	.0038	-.0212	-.0190	-0.002	.0001	.0178	.0000	.0000
Stddev	.0002	.0024	.0464	.0181	.0000	.0004	.0091	.000	.0003
%RSD	58.51	63.08	218.9	95.45	20.92	297.1	51.18	7268.	6362.
#1	-.0005	.0018	.0316	-.0268	-.0002	.0006	.0273	-.0001	.0003
#2	-.0006	.0065	-.0553	-.0319	-.0002	.0001	.0169	.0000	-.0001
#3	-.0002	.0031	-.0398	.0017	-.0001	-.0002	.0092	.0001	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	-.0012	.0022	.0005	.0001	-.0003	.0014	.0001	-.0002
Stddev	.0010	.0004	.0004	.0001	.0001	.0001	.0014	.0001	.0000
%RSD	263.5	34.60	16.46	14.62	210.2	20.73	96.37	131.9	12.49
#1	-.0007	-.0014	.0023	.0005	.0002	-.0003	.0019	.0002	-.0002
#2	.0012	-.0016	.0025	.0006	.0001	-.0002	.0025	.0000	-.0002
#3	.0006	-.0008	.0018	.0005	-.0001	-.0003	-.0001	.0000	-.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 11/11/2016 16:01:38 Type: QC
 Method: 60102007_042011(v364) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2436.5	4743.9	46025.	4718.7
Stddev	3.3	9.7	31.	31.7
%RSD	.13504	.20386	.06762	.67121
#1	2433.8	4732.8	45990.	4717.3
#2	2440.2	4750.0	46037.	4751.1
#3	2435.7	4749.0	46048.	4687.8

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000009	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000082	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000016	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000099	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000005	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000001	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000146	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000006	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000009	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000035	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000065	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	-0.000006	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	-0.000059	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000031	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000097	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	0.000011	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000008	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	11/11/2016 9:24:29	11/11/2016 8:51:11	Linear	1/Conc	0.000191	0.621357	0.000000	1.000000
Al 396.152 { 85}	11/11/2016 9:24:29	11/11/2016 8:51:11	Linear	1/Conc	0.003827	0.175400	0.000000	1.000000
As 189.042 {478}	11/11/2016 9:24:29	11/11/2016 8:51:11	Linear	1/Conc	-0.000802	0.191490	0.000000	1.000000
Ba 455.403 { 74}	11/11/2016 9:24:29	11/11/2016 8:51:11	Linear	1/Conc	0.000849	7.946594	0.000000	1.000000
Be 313.042 {108}	11/11/2016 9:24:29	11/11/2016 8:51:11	Linear	1/Conc	0.000617	10.168454	0.000000	1.000000
Ca 317.933 {106}	11/11/2016 9:24:29	11/11/2016 8:51:11	Linear	1/Conc	0.006140	0.254476	0.000000	1.000000
Cd 226.502 {449}	11/11/2016 9:24:29	11/11/2016 8:51:11	Linear	1/Conc	-0.001104	4.835258	0.000000	1.000000
Co 228.616 {447}	11/11/2016 9:24:29	11/11/2016 8:51:11	Linear	1/Conc	-0.000558	2.600846	0.000000	1.000000
Cr 267.716 {126}	11/11/2016 9:24:29	11/11/2016 8:51:11	Linear	1/Conc	-0.000054	0.466353	0.000000	1.000000
Cu 324.754 {104}	11/11/2016 9:24:29	11/11/2016 8:51:11	Linear	1/Conc	0.002184	0.797945	0.000000	1.000000
Fe 259.940 {130}	11/11/2016 9:24:29	11/11/2016 8:51:11	Linear	1/Conc	0.001930	0.155574	0.000000	1.000000
In 230.606 {446}*	11/11/2016 9:24:29	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	11/11/2016 9:24:29	11/11/2016 8:51:11	Linear	1/Conc	-0.002605	0.089741	0.000000	1.000000
Mg 279.079 {121}	11/11/2016 9:24:29	11/11/2016 8:51:11	Linear	1/Conc	0.000083	0.021421	0.000000	1.000000
Mn 257.610 {131}	11/11/2016 9:24:29	11/11/2016 8:51:11	Linear	1/Conc	0.001401	2.560191	0.000000	1.000000
Mo 202.030 {467}	11/11/2016 9:24:29	11/11/2016 8:51:11	Linear	1/Conc	0.002129	0.974875	0.000000	1.000000
Na 589.592 { 57}	11/11/2016 9:24:29	11/11/2016 8:51:11	Linear	1/Conc	0.000785	0.360122	0.000000	1.000000
Ni 231.604 {445}	11/11/2016 9:24:29	11/11/2016 8:51:11	Linear	1/Conc	-0.000208	1.642304	0.000000	1.000000
Pb 220.353 {453}	11/11/2016 9:24:29	11/11/2016 8:51:11	Linear	1/Conc	-0.000749	0.942243	0.000000	1.000000
Sb 206.833 {463}	11/11/2016 9:24:29	11/11/2016 8:51:11	Linear	1/Conc	0.000492	0.251968	0.000000	1.000000
Se 196.090 {472}	11/11/2016 9:24:29	11/11/2016 8:51:11	Linear	1/Conc	-0.000734	0.136398	0.000000	1.000000
Si 212.412 {459}	11/11/2016 9:24:29	11/11/2016 8:51:11	Linear	1/Conc	0.006596	0.491132	0.000000	1.000000
Sn 189.989 {477}	11/11/2016 9:24:29	11/11/2016 8:51:11	Linear	1/Conc	0.000199	0.408087	0.000000	1.000000
Sr 407.771 { 83}	11/11/2016 9:24:29	11/11/2016 8:51:11	Linear	1/Conc	0.001898	14.061085	0.000000	1.000000
Ti 334.941 {101}	11/11/2016 9:24:29	11/11/2016 8:51:11	Linear	1/Conc	0.001817	1.775514	0.000000	1.000000
Tl 190.856 {477}	11/11/2016 9:24:29	11/11/2016 8:51:11	Linear	1/Conc	-0.001645	0.330228	0.000000	1.000000
V 292.402 {115}	11/11/2016 9:24:29	11/11/2016 8:51:11	Linear	1/Conc	-0.000484	0.735359	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	11/11/2016 9:24:29	11/11/2016 8:51:11	Linear	1/Conc	0.001662	2.341346	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999917	0.000077	0.000317	0.001056	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999776	0.005989	0.008544	0.028479	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999893	0.000225	0.000792	0.002640	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999937	0.007159	0.000232	0.000772	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999867	0.013365	0.000064	0.000214	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999794	0.008313	0.003027	0.010091	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999891	0.005751	0.000048	0.000162	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999931	0.002455	0.000101	0.000336	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999921	0.000474	0.000250	0.000835	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999962	0.000556	0.000218	0.000727	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999125	0.010492	0.002469	0.008230	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999747	0.003251	0.028474	0.094915	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999767	0.000746	0.022794	0.075980	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999752	0.004596	0.000040	0.000133	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999889	0.001169	0.000151	0.000504	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999800	0.011607	0.007080	0.023601	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999865	0.002175	0.000162	0.000542	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999872	0.001217	0.000592	0.001972	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999904	0.000281	0.000942	0.003140	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999919	0.000139	0.001639	0.005463	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.994039	0.004338	0.000344	0.001148	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999800	0.000657	0.000319	0.001064	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999691	0.028217	0.000085	0.000282	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999785	0.002968	0.000097	0.000323	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999945	0.000281	0.000979	0.003264	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999896	0.000841	0.000210	0.000701	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999895	0.002733	0.000073	0.000244	OK	1.000000	0.000000	1	0

Thermometer I.D. 204
 Correction Factor (°C) -1
 Temperature Observed/Corrected (°C) 91 / 90
 Balance I.D. ADVPRO3
 Added^B: H₂O₂ HNO₃
 Lot# 1102853 0000133393

ACC 949 0.5 10
 MET 5573 0.5 10
 Filter Lot#: 110217041
 Dig. Tube Lot#: 1512329 ISO9104
 HCL PTFE Boiling Chips
 Lot# 0000132880 N1068-SD015

Sample #	Wt., g	Final Volume (ml)	Comments
Method Blank (MB)	5.00	100.0	
Spike Blank (SB)	5.00		
Matrix Spike (MS)	5.18		Prepped using
Matrix Spike Dup (MSD)	5.34		5x reagent volumes
Duplicate (DUP)	5.15		
1 QC ^C FA37116B-2R ^{D1}	5.12		
2 DZ-FA37116B-3R	5.12		
3 3R	5.21		
4 5R	5.19		
5 6R	5.34		
6 9R	5.32		
7 10R	5.05		
8 12R	5.17		
9 13R	5.25		
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21 ^E			
22 ^E			
23 ^E			
24 ^E			

Analyst: J. B. [Signature] Date: 11/10/14
 QC Review: [Signature] Date: 11-10-16

A Used for SB, MS, MSD
 B For reagent volumes used consult SOP MET 104, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional Matrix QC
 icpsolidigestionlog 0316.xls
 Rev 03/04/16 DM
 69 of 100
 *DB 11/10/14

7.2.1
 7

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*e-Hardcopy 2.0
Automated Report*

Technical Report for

Kemron Environmental Services, Inc

Ft Ord; CA

07202.2001

SGS Accutest Job Number: FA38934

Sampling Dates: 11/16/16 - 11/17/16



Report to:

Kemron Environmental Services, Inc
4522 Joe Lloyd Way
Monterey, CA 93944
EDawson@GilbaneCo.com

ATTN: Evenlyn Dawson

Total number of pages in report: 242



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

**Norm Farmer
Technical Director**

Client Service contact: Sue Bell 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), IL(200063), NC(573), NJ(FL002), NY(12022), SC(96038001)
DoD ELAP(L-A-B L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177),
AK, AR, GA, IA, KY, MA, NV, OK, OR, UT, WA

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Test results relate only to samples analyzed.

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Sample Summary

Kemron Environmental Services, Inc

Job No: FA38934

Ft Ord; CA

Project No: 07202.2001

Sample Number	Collected		Matrix Code	Received	Type	Client Sample ID
	Date	Time By				
FA38934-1	11/17/16	09:10 LFRP	SO	11/21/16	Soil	33-01SC0000S2E
FA38934-4	11/17/16	09:20 LFRP	SO	11/21/16	Soil	33-01SC0000S2EQ
FA38934-7	11/16/16	15:00 LFRP	SO	11/21/16	Soil	33-01SC0000S2N
FA38934-10	11/17/16	10:35 LFRP	SO	11/21/16	Soil	33-01SC0000S3E
FA38934-13	11/17/16	08:25 LFRP	SO	11/21/16	Soil	33-01SC0000S3N
FA38934-16	11/16/16	16:30 LFRP	AQ	11/21/16	Equipment Blank	33-01-ERSC111616
FA38934-17	11/17/16	14:45 LFRP	AQ	11/21/16	Equipment Blank	33-01-ERSC111716

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

2

Client: Kemron Environmental Services, Inc

Job No: FA38934

Site: Ft Ord; CA

Report Date: 12/8/2016 2:06:21

7 Sample(s) were collected on/between 11/16/2016 and 11/17/2016 and were received at SGS Accutest Southeast (SASE) on 11/21/2016 properly preserved, at 3.4 Deg. C and intact. These Samples received an SASE job number of FA38934. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix: AQ

Batch ID: MP31228

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA38999-3DUP, FA38999-3MS, FA38999-3MSD, FA38999-3PS, FA38999-3SDL were used as the QC samples for metals.

Matrix: SO

Batch ID: MP31274

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA38934-1DUP, FA38934-1MSD, FA38934-1SDL, FA38934-1PS were used as the QC samples for metals.

Matrix Spike/Matrix Spike Duplicate Recovery(s) for Lead are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MP31274-PS1 for Lead: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Kim Benham, Client Services (signature on file)

Date: December 8, 2016

Thursday, December 08, 2016

Page 1 of 1

Summary of Hits

Job Number: FA38934
Account: Kemron Environmental Services, Inc
Project: Ft Ord; CA
Collected: 11/16/16 thru 11/17/16



Lab Sample ID	Client Sample ID	Result/ Analyte	LOQ	LOD	Units	Method
---------------	------------------	--------------------	-----	-----	-------	--------

FA38934-1	33-01SC0000S2E					
Lead		558	7.8	1.6	mg/kg	SW846 6010C

FA38934-4	33-01SC0000S2EQ					
Lead		547	7.2	1.4	mg/kg	SW846 6010C

FA38934-7	33-01SC0000S2N					
Lead		310	1.9	0.39	mg/kg	SW846 6010C

FA38934-10	33-01SC0000S3E					
Lead		262	1.9	0.39	mg/kg	SW846 6010C

FA38934-13	33-01SC0000S3N					
Lead		104	1.9	0.38	mg/kg	SW846 6010C

FA38934-16 33-01-ERSC111616

No hits reported in this sample.

FA38934-17 33-01-ERSC111716

No hits reported in this sample.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: 33-01SC0000S2E	Date Sampled: 11/17/16
Lab Sample ID: FA38934-1	Date Received: 11/21/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.1
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	558	7.8	1.6	0.39	mg/kg	20	12/06/16	12/07/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13634

(2) Prep QC Batch: MP31274

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SC0000S2EQ	Date Sampled: 11/17/16
Lab Sample ID: FA38934-4	Date Received: 11/21/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.2
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	547	7.2	1.4	0.36	mg/kg	20	12/06/16	12/07/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13634

(2) Prep QC Batch: MP31274

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SC0000S2N	Date Sampled: 11/16/16
Lab Sample ID: FA38934-7	Date Received: 11/21/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.3
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	310	1.9	0.39	0.096	mg/kg	5	12/06/16	12/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13628

(2) Prep QC Batch: MP31274

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SC0000S3E	Date Sampled: 11/17/16
Lab Sample ID: FA38934-10	Date Received: 11/21/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.4
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	262	1.9	0.39	0.096	mg/kg	5	12/06/16	12/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13628

(2) Prep QC Batch: MP31274

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SC0000S3N	Date Sampled: 11/17/16
Lab Sample ID: FA38934-13	Date Received: 11/21/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.5
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	104	1.9	0.38	0.094	mg/kg	5	12/06/16	12/06/16 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13628

(2) Prep QC Batch: MP31274

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01-ERSC111616	Date Sampled: 11/16/16
Lab Sample ID: FA38934-16	Date Received: 11/21/16
Matrix: AQ - Equipment Blank	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.6
4

Total Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.0 U	5.0	2.0	1.1	ug/l	1	11/29/16	11/29/16 LM	SW846 6010C ¹	SW846 3010A ²

(1) Instrument QC Batch: MA13606

(2) Prep QC Batch: MP31228

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01-ERSC111716	
Lab Sample ID: FA38934-17	Date Sampled: 11/17/16
Matrix: AQ - Equipment Blank	Date Received: 11/21/16
	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.7
4

Total Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.0 U	5.0	2.0	1.1	ug/l	1	11/29/16	11/29/16 LM	SW846 6010C ¹	SW846 3010A ²

(1) Instrument QC Batch: MA13606

(2) Prep QC Batch: MP31228

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Misc. Forms**Custody Documents and Other Forms**

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

CHAIN-OF-CUSTODY RECORD

Gilbane
 Peggy Cota
 2355 E. Camelback Road, Suite 850, Phoenix, Arizona 85016
 (602) 792-6813 | PCota@gilbaneco.com

COC # RP-111616-1

FA38934
Gilbane

Project Name: BRA with KEMRON	Laboratory: SGS Accutest Southeast
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 susan.bell@sgs.com
WBS Code:	Ship to: 4405 Vineland Road, Suite C-15, Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method	SW6010C - Lead	SW6010C - Lead by ISM	Code	Matrix
					SO	SOIL
					WQ	WATER QUALITY CONTROL MATRIX
					Code	Container/Preservative
					11	1* 250mL, 250 poly with HNO3
					12	1* Ziploc Bag

Event ID: Basewide Range Assessment Spring 2016										
	Sample ID	Matrix	Date	Time	Samp Init.		Location ID	Sample Type	Depth (ft bgs) Top - Bottom	
1	33-01SC0000S2E	SO	11/17/16	07:15	LF/RP	X	33-01S2E	N1	0	0.5
2	33-01SC0001S2E	SO	11/17/16	07:45	LF/RP	X	33-01S2E	N1	1	1.5
3	33-01SC0002S2E	SO	11/17/16	08:05	LF/RP	X	33-01S2E	N1	2	2.5
4	33-01SC0000S2EQ	SO	11/17/16	09:20	LF/RP	X	FIELD DUP	N1	0	0.5
5	33-01SC0001S2EQ	SO	11/17/16	09:25	LF/RP	X	FIELD DUP	N1	1	1.5
6	33-01SC0002S2EQ	SO	11/17/16	10:05	LF/RP	X	FIELD DUP	N1	2	2.5
7	33-01SC0000S2N	SO	11/16/16	15:00	LF/RP	X	33-01S2N	N1	0	0.5
8	33-01SC0001S2N	SO	11/16/16	15:40	LF/RP	X	33-01S2N	N1	1	1.5
9	33-01SC0002S2N	SO	11/16/16	16:00	LF/RP	X	33-01S2N	N1	2	2.5
Cooler #		Turnaround Time: 0 Days								

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	11/15/16	10:00	Fx			3-09-9436-7210
Fx			<i>[Signature]</i>	11-21-16	9:30	Received by Laboratory: (Signature, Date, Time) & condition

5.1
 5

CHAIN-OF-CUSTODY RECORD

Gilbane
 Peggy Cota
 2355 E. Camelback Road, Suite 850, Phoenix, Arizona 85016
 (602) 792-6813 | PCota@gilbaneco.com

COC # RP-111616-2



Project Name: BRA with KEMRON	Laboratory: SGS Accutest Southeast
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 susan.bell@sgs.com
WBS Code:	Ship to: 4405 Vineland Road, Suite C-15, Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method	SW6010C - Lead	SW6010C - Lead by ISM	Code	Matrix
					SO	SOIL
					WQ	WATER QUALITY CONTROL MATRIX
					Code	Container/Preservative
					11	1" 250mL, 250 poly with HNO3
					12	1", Ziploc Bag

Event ID: Basewide Range Assessment Spring 2016									
						11	12		
Sample ID	Matrix	Date	Time	Samp Init.		Location ID	Sample Type	Depth (ft bgs) Top - Bottom	
10 33-01SC0000S3E	SO	11/17/16	08:25	LF/RP	X	33-01S3E	N1	0	0.5
11 33-01SC0001S3E	SO	11/17/16	08:25	LF/RP	X	33-01S3E	N1	1	1.5
12 33-01SC0002S3E	SO	11/17/16	08:25	LF/RP	X	33-01S3E	N1	2	2.5
13 33-01SC0000S3N	SO	11/17/16	08:25	LF/RP	X	33-01S3N	N1	0	0.5
14 33-01SC0001S3N	SO	11/17/16	08:25	LF/RP	X	33-01S3N	N1	1	1.5
15 33-01SC0002S2N	SO	11/17/16	08:25	LF/RP	X	33-01S3N	N1	2	2.5
16 33-01-ERSC111616	WQ	11/17/16	08:25	LF/RP	X	FIELD QC	EB1	NA	NA
17 33-01-ERSC111716	WQ	11/17/16	08:25	LF/RP	X	FIELD QC	EB1	NA	NA
18									

Cooler # Turnaround Time: 0 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	11/17/16	11:20	<i>[Signature]</i>	11-21-16	9:30	81099426 72110
FX						Received by Laboratory: (Signature, Date, Time) & condition

ENV.COC_Record
 November 15, 2016

3.4

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5



SGS ACCUTEST - ORLANDO SAMPLE RECEIPT CONFIRMATION

SGS ACCUTEST'S JOB NUMBER: FA38934 CLIENT: Gilbane PROJECT: 07202-2001
 DATE/TIME RECEIVED: 11-21-16 9:30 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER DELIVERY OTHER: _____
 AIRBILL NUMBERS: 8109 9436 7216

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM _____ 5-GRAM _____
 NUMBER OF 5035 FIELD KITS ? _____
 NUMBER OF LAB FILTERED METALS ? _____

TEST STRIP LOT#s pH 0-3 230315 pH 10-12 219813A OTHER (specify) _____

SUMMARY OF COMMENTS: _____

TECHNICIAN SIGNATURE/DATE [Signature] 11-21-16 REVIEWER SIGNATURE/DATE [Signature] 11-21-16

NF 02/16

receipt confirmation 020116.xls

TEMPERATURE INFORMATION

- IR THERM ID 1 CORR. FACTOR -0.4
- OBSERVED TEMPS: 3.8
- CORRECTED TEMPS: 3.4 (USED FOR LIMS)

SAMPLE INFORMATION

- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- % SOLIDS JAR NOT RECEIVED
- RESIDUAL CHLORINE PRESENT LOT# _____

{APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

5.1
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TRK# 8109 9436 7216
0215

MON - 21 NOV 4:30P
** 2DAY **

SH ORLA

32811
FL-US MCO



QC Evaluation: DOD QSM5 Limits

Job Number: FA38934
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 11/16/16 thru 11/17/16

QC Sample ID	CAS#	Analyte	Sample Result Type	Result Type	Result	Units	Limits
MP31228 SW846 6010C							
MP31228-B1	7439-92-1	Lead	BSP	REC	105.2	%	86-113
MP31228-S1*	7439-92-1	Lead	MS	REC	109.4	%	86-113
MP31228-S2*	7439-92-1	Lead	MSD	REC	103.6	%	86-113
MP31228-S2*	7439-92-1	Lead	MSD	RPD	5.4	%	20
MP31228-D1*	7439-92-1	Lead	DUP	RPD	0	%	20
MP31274 SW846 6010C							
MP31274-B1	7439-92-1	Lead	BSP	REC	109	%	81-112
MP31274-S1	7439-92-1	Lead	MS	REC	-417 ^a	%	81-112
MP31274-S2	7439-92-1	Lead	MSD	REC	-50.9 ^a	%	81-112
MP31274-S2	7439-92-1	Lead	MSD	RPD	6.2	%	20
MP31274-D1	7439-92-1	Lead	DUP	RPD	6.3	%	20
MP31274-D2	7439-92-1	Lead	DUP	RPD	1.3	%	20

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

* Sample used for QC is not from job FA38934

5.2
5

Metals Analysis

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QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB112916M1.ICP Date Analyzed: 11/29/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13606
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:57	MA13606-STD1	1		STDA
08:00	MA13606-STD2	1		STDB
08:04	MA13606-STD3	1		STDC
08:08	MA13606-STD4	1		STDD
08:12	MA13606-HSTD1	1		
08:18	MA13606-ICV1	1		
08:28	MA13606-ICB1	1		
08:32	MA13606-CR1A1	1		
08:38	MA13606-ICSA1	1		
08:51	MA13606-ICSAB1	1		
08:58	MA13606-CCV1	1		
09:06	MA13606-CCB1	1		
09:10	MP31223-MB1	1		
09:14	MP31223-B1	1		
09:18	TC94887-1F	1		(sample used for QC only; not part of login FA38934)
09:23	MP31223-D1	1		
09:27	MP31223-SD1	5		
09:31	MP31223-PS1	1		
09:35	MP31223-S1	1		
09:39	MP31223-S2	1		
09:52	MA13606-CCV2	1		
09:56	MA13606-CCB2	1		
10:00	ZZZZZZ	1		
10:05	ZZZZZZ	1		
10:09	ZZZZZZ	1		
10:13	ZZZZZZ	1		
10:17	ZZZZZZ	1		
10:26	ZZZZZZ	5		
10:30	ZZZZZZ	5		
10:34	ZZZZZZ	5		
10:38	ZZZZZZ	5		
10:43	MA13606-CCV3	1		
10:47	MA13606-CCB3	1		

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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB112916M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 11/29/16
Run ID: MA13606
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:51	ZZZZZZ	5		
10:55	ZZZZZZ	5		
11:00	ZZZZZZ	5		
11:04	ZZZZZZ	5		
11:08	ZZZZZZ	5		
11:17	ZZZZZZ	10		
11:21	ZZZZZZ	10		
11:25	ZZZZZZ	10		
11:29	ZZZZZZ	10		
11:33	MA13606-CCV4	1		
11:37	MA13606-CCB4	1		
11:41	ZZZZZZ	10		
11:46	ZZZZZZ	2		
11:50	ZZZZZZ	2		
11:54	MA13606-CCV5	1		
11:58	MA13606-CCB5	1		
13:03	MA13606-CCV6	1		
13:11	MA13606-CCB6	1		
13:15	MP31228-MB1	1		
13:19	MP31228-B1	1		
13:23	FA38999-3	1		(sample used for QC only; not part of login FA38934)
13:27	MP31228-D1	1		
13:31	MP31228-SD1	5		
13:36	MP31228-PS1	1		
13:40	MP31228-S1	1		
13:44	MP31228-S2	1		
13:48	ZZZZZZ	1		
13:56	MA13606-CCV7	1		
14:00	MA13606-CCB7	1		
14:04	ZZZZZZ	1		
14:08	ZZZZZZ	1		
14:12	ZZZZZZ	1		
14:17	FA38934-16	1		

6.1
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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB112916M1.ICP Date Analyzed: 11/29/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13606
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
------	--------------------	-----------------	----------	----------

```

-----> 14:21 FA38934-17 1
Last reportable sample/prep for job FA38934
14:25 ZZZZZZ 1

14:29 ZZZZZZ 1

14:33 ZZZZZZ 1

14:38 ZZZZZZ 1

14:42 ZZZZZZ 1

14:46 MA13606-CCV8 1

14:50 MA13606-CCB8 1

14:54 ZZZZZZ 1

14:59 ZZZZZZ 1

15:03 ZZZZZZ 1

15:07 ZZZZZZ 1

15:11 MA13606-CCV9 1

15:15 MA13606-CCB9 1

15:36 MA13606-CCV10 1

15:40 MA13606-CCB10 1

16:27 MA13606-CCV11 1

16:31 MA13606-CCB11 1

16:53 MA13606-CRIA2 1

16:57 MA13606-ICSA2 1

17:01 MA13606-ICSAB2 1

17:05 MA13606-CCV12 1

-----> 17:09 MA13606-CCB12 1
Last reportable CCB for job FA38934
Refer to raw data for calibration curve and standards.

```

6.1
6

INTERNAL STANDARD SUMMARY

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB112916M1.ICP Date Analyzed: 11/29/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13606
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:57	MA13606-STD1	6851	44636	3854	2396
08:00	MA13606-STD2	6804	44354	3883	2275
08:04	MA13606-STD3	6570	42936	3864	2096
08:08	MA13606-STD4	6352	41628	3833	1964
08:12	MA13606-HSTD1	6343	41739	3826	1967
08:18	MA13606-ICV1	6542	42580	3885	2099
08:28	MA13606-ICB1	6790 R	44689 R	3850 R	2398 R
08:32	MA13606-CR1A1	6738	43976	3836	2330
08:38	MA13606-ICSA1	6062	39002	3657	1808
08:51	MA13606-ICSAB1	6041	39034	3674	1788
08:58	MA13606-CCV1	6528	42459	3831	2099
09:06	MA13606-CCB1	6801	44472	3820	2398
09:10	MP31223-MB1	6680	44584	3734	2351
09:14	MP31223-B1	6487	42583	3750	2141
09:18	TC94887-1F	6303	41795	3756	2094
09:23	MP31223-D1	6289	41610	3709	2094
09:27	MP31223-SD1	6716	44527	3848	2307
09:31	MP31223-PS1	6308	41952	3721	2065
09:35	MP31223-S1	6317	41911	3713	1991
09:39	MP31223-S2	6316	41489	3688	1991
09:52	MA13606-CCV2	6512	42938	3771	2089
09:56	MA13606-CCB2	6799	44901	3757	2395
10:00	ZZZZZZ	5935	39331	3571	1933
10:05	ZZZZZZ	6098	40511	3606	2026
10:09	ZZZZZZ	5729	38016	3506	1856
10:13	ZZZZZZ	5891	40685	3606	1871
10:17	ZZZZZZ	6272	41279	3640	2062
10:26	ZZZZZZ	5987	39018	3648	1853
10:30	ZZZZZZ	5935	38455	3637	1854
10:34	ZZZZZZ	6017	38942	3651	1894
10:38	ZZZZZZ	5435	34953	3479	1675
10:43	MA13606-CCV3	6473	42728	3685	2072
10:47	MA13606-CCB3	6735	44852	3727	2358

INTERNAL STANDARD SUMMARY

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB112916M1.ICP Date Analyzed: 11/29/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13606
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:51	ZZZZZZ	5623	36371	3539	1747
10:55	ZZZZZZ	5759	37354	3556	1801
11:00	ZZZZZZ	5792	37559	3520	1796
11:04	ZZZZZZ	5946	38591	3535	1875
11:08	ZZZZZZ	5649	36630	3479	1767
11:17	ZZZZZZ	6434	42906	3652	2159
11:21	ZZZZZZ	6447	42761	3677	2147
11:25	ZZZZZZ	6547	43529	3722	2130
11:29	ZZZZZZ	6503	43441	3725	2171
11:33	MA13606-CCV4	6482	42514	3702	2073
11:37	MA13606-CCB4	6801	45049	3724	2376
11:41	ZZZZZZ	6463	43049	3707	2144
11:46	ZZZZZZ	6274	42159	3643	2068
11:50	ZZZZZZ	8000	52667	4642	1955
11:54	MA13606-CCV5	6503	42806	3683	2081
11:58	MA13606-CCB5	6785	45165	3722	2366
13:03	MA13606-CCV6	6451	42549	3651	2061
13:11	MA13606-CCB6	6743	45025	3701	2356
13:15	MP31228-MB1	6637	44431	3608	2326
13:19	MP31228-B1	6457	43118	3595	2118
13:23	FA38999-3	6637	44740	3645	2315
13:27	MP31228-D1	6647	44956	3624	2306
13:31	MP31228-SD1	6766	45743	3740	2353
13:36	MP31228-PS1	6581	44376	3669	2226
13:40	MP31228-S1	6052	42286	3571	1894
13:44	MP31228-S2	6487	43589	3664	2116
13:48	ZZZZZZ	6759	45529	3723	2334
13:56	MA13606-CCV7	6511	43708	3707	2063
14:00	MA13606-CCB7	6800	45721	3722	2359
14:04	ZZZZZZ	6686	45086	3692	2312
14:08	ZZZZZZ	6735	45684	3696	2327
14:12	ZZZZZZ	6763	45564	3715	2331
14:17	FA38934-16	6635	44820	3681	2245

6.1.1
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INTERNAL STANDARD SUMMARY

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB112916M1.ICP Date Analyzed: 11/29/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13606
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:21	FA38934-17	6617	44733	3713	2239
14:25	ZZZZZZ	6763	45796	3735	2319
14:29	ZZZZZZ	6771	45459	3749	2340
14:33	ZZZZZZ	6695	45315	3727	2294
14:38	ZZZZZZ	6776	45937	3704	2347
14:42	ZZZZZZ	6762	45585	3732	2338
14:46	MA13606-CCV8	6540	43544	3716	2073
14:50	MA13606-CCB8	6808	46038	3753	2365
14:54	ZZZZZZ	6506	43847	3686	2167
14:59	ZZZZZZ	6508	43831	3672	2186
15:03	ZZZZZZ	6444	43329	3635	2153
15:07	ZZZZZZ	6485	43765	3667	2170
15:11	MA13606-CCV9	6522	43278	3701	2072
15:15	MA13606-CCB9	6793	45671	3713	2351
15:36	MA13606-CCV10	6523	43900	3712	2065
15:40	MA13606-CCB10	6803	46087	3718	2355
16:27	MA13606-CCV11	6552	43905	3701	2083
16:31	MA13606-CCB11	6814	46111	3726	2361
16:53	MA13606-CRIA2	6759	45285	3690	2298
16:57	MA13606-ICSA2	6085	40070	3538	1785
17:01	MA13606-ICSAB2	6087	39920	3525	1766
17:05	MA13606-CCV12	6577	43701	3679	2088
17:09	MA13606-CCB12	6819	45748	3685	2375

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.1.1
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BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB112916M1.ICP
 QC Limits: result < RL

Date Analyzed: 11/29/16
 Run ID: MA13606

Methods: SW846 6010C
 Units: ug/l

Metal	RL	IDL	08:28 ICB1		09:06 CCB1		09:56 CCB2		10:47 CCB3	
			raw	final	raw	final	raw	final	raw	final
Aluminum	200	14	anr							
Antimony	6.0	1	anr							
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2	anr							
Cadmium	5.0	.2	anr							
Calcium	1000	50	anr							
Chromium	10	1	anr							
Cobalt	50	.2								
Copper	25	1								
Iron	300	17	anr							
Lead	5.0	1	0.0	<5.0	0.30	<5.0	0.40	<5.0	0.30	<5.0
Magnesium	5000	35								
Manganese	15	.5	anr							
Molybdenum	50	.3								
Nickel	40	.4	anr							
Potassium	10000	200								
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500								
Strontium	10	.5								
Thallium	10	1.1	anr							
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB112916M1.ICP
 QC Limits: result < RL

Date Analyzed: 11/29/16
 Run ID: MA13606

Methods: SW846 6010C
 Units: ug/l

Metal	RL	IDL	Time:							
			Sample ID:	11:37	11:58	13:11	14:00			
			raw	final	raw	final	raw	final	raw	final
Aluminum	200	14	anr							
Antimony	6.0	1	anr							
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2	anr							
Cadmium	5.0	.2	anr							
Calcium	1000	50	anr							
Chromium	10	1	anr							
Cobalt	50	.2								
Copper	25	1								
Iron	300	17	anr							
Lead	5.0	1	0.50	<5.0	0.30	<5.0	0.20	<5.0	0.80	<5.0
Magnesium	5000	35								
Manganese	15	.5	anr							
Molybdenum	50	.3								
Nickel	40	.4	anr							
Potassium	10000	200								
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500								
Strontium	10	.5								
Thallium	10	1.1	anr							
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB112916M1.ICP
 QC Limits: result < RL

Date Analyzed: 11/29/16
 Run ID: MA13606

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	14:50 CCB8		15:15 CCB9		15:40 CCB10		16:31 CCB11	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14	anr							
Antimony		6.0	1	anr							
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2	anr							
Cadmium		5.0	.2	anr							
Calcium		1000	50	anr							
Chromium		10	1	anr							
Cobalt		50	.2								
Copper		25	1								
Iron		300	17	anr							
Lead		5.0	1	0.20	<5.0	-0.10	<5.0	0.0	<5.0	0.30	<5.0
Magnesium		5000	35								
Manganese		15	.5	anr							
Molybdenum		50	.3								
Nickel		40	.4	anr							
Potassium		10000	200								
Selenium		10	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500								
Strontium		10	.5								
Thallium		10	1.1	anr							
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5	anr							
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB112916M1.ICP
 QC Limits: result < RL

Date Analyzed: 11/29/16
 Run ID: MA13606

Methods: SW846 6010C
 Units: ug/l

Time:	17:09			
Sample ID:	CCB12			
Metal	RL	IDL	raw	final
Aluminum	200	14	anr	
Antimony	6.0	1	anr	
Arsenic	10	1.3	anr	
Barium	200	1	anr	
Beryllium	4.0	.2	anr	
Cadmium	5.0	.2	anr	
Calcium	1000	50	anr	
Chromium	10	1	anr	
Cobalt	50	.2		
Copper	25	1		
Iron	300	17	anr	
Lead	5.0	1	0.60	<5.0
Magnesium	5000	35		
Manganese	15	.5	anr	
Molybdenum	50	.3		
Nickel	40	.4	anr	
Potassium	10000	200		
Selenium	10	2.4	anr	
Silver	10	.7	anr	
Sodium	10000	500		
Strontium	10	.5		
Thallium	10	1.1	anr	
Tin	50	.9		
Titanium	10	.5		
Vanadium	50	.5	anr	
Zinc	20	3	anr	

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB112916M1.ICP Date Analyzed: 11/29/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13606 Units: ug/l

Metal	Time: Sample ID: ICV	08:18		CCV True	08:58		CCV True	09:52	
		ICV1	Results		CCV1	Results		CCV2	Results
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper									
Iron	anr								
Lead	2000	1970	98.5	2000	2010	100.5	2000	2020	101.0
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB112916M1.ICP Date Analyzed: 11/29/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13606 Units: ug/l

Metal	Sample ID	Time: CCV	10:43 CCV3		11:33 CCV4		11:54 CCV5		
			True	Results % Rec	True	Results % Rec	True	Results % Rec	
Aluminum		anr							
Antimony		anr							
Arsenic		anr							
Barium		anr							
Beryllium		anr							
Cadmium		anr							
Calcium		anr							
Chromium		anr							
Cobalt									
Copper									
Iron		anr							
Lead	2000	2040	102.0	2000	2040	102.0	2000	2040	102.0
Magnesium									
Manganese		anr							
Molybdenum									
Nickel		anr							
Potassium									
Selenium		anr							
Silver		anr							
Sodium									
Strontium									
Thallium		anr							
Tin									
Titanium									
Vanadium		anr							
Zinc		anr							

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB112916M1.ICP Date Analyzed: 11/29/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13606 Units: ug/l

Metal	Time: Sample ID: CCV True	13:03 CCV6		CCV True	13:56 CCV7		CCV True	14:46 CCV8	
		Results	% Rec		Results	% Rec		Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper									
Iron	anr								
Lead	2000	2020	101.0	2000	2020	101.0	2000	2020	101.0
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB112916M1.ICP Date Analyzed: 11/29/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13606 Units: ug/l

Metal	Sample ID	CCV	15:11		15:36		16:27		
			CCV9	Results	CCV10	Results	CCV11	Results	
		True	% Rec	True	% Rec	True	% Rec		
Aluminum		anr							
Antimony		anr							
Arsenic		anr							
Barium		anr							
Beryllium		anr							
Cadmium		anr							
Calcium		anr							
Chromium		anr							
Cobalt									
Copper									
Iron		anr							
Lead	2000	2020	101.0	2000	2020	101.0	2000	2000	100.0
Magnesium									
Manganese		anr							
Molybdenum									
Nickel		anr							
Potassium									
Selenium		anr							
Silver		anr							
Sodium									
Strontium									
Thallium		anr							
Tin									
Titanium									
Vanadium		anr							
Zinc		anr							

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB112916M1.ICP Date Analyzed: 11/29/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13606 Units: ug/l

Time:	17:05		
Sample ID:	CCV12		
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt			
Copper			
Iron	anr		
Lead	2000	2010	100.5
Magnesium			
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium			
Selenium	anr		
Silver	anr		
Sodium			
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB112916M1.ICP Date Analyzed: 11/29/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13606 Units: ug/l

Time:	08:12		
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt			
Copper			
Iron	anr		
Lead	4000	4010	100.3
Magnesium			
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium			
Selenium	anr		
Silver	anr		
Sodium			
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB112916M1.ICP Date Analyzed: 11/29/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13606 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	08:32 CRIA1 Results	% Rec	16:53 CRIA2 Results	% Rec
Metal						
Aluminum	400	200	anr			
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25				
Iron	600	300	anr			
Lead	10	5.0	5.4	108.0	5.2	104.0
Magnesium	10000	5000				
Manganese	30	15	anr			
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000				
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000				
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50				
Titanium	20	10				
Vanadium	100	50	anr			
Zinc	40	20	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB112916M1.ICP Date Analyzed: 11/29/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13606 Units: ug/l

Time:	08:38	08:51	16:57	17:01						
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2						
Metal	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum	500000	500000	521000	104.2	516000	103.2	505000	101.0	507000	101.4
Antimony		1000	0.0		1110	111.0	0.60		1060	106.0
Arsenic		1000	0.0		1180	118.0	-0.20		1120	112.0
Barium		500	-0.30		524	104.8	0.0		514	102.8
Beryllium		500	-0.20		505	101.0	-0.10		485	97.0
Cadmium		1000	0.0		952	95.2	0.0		949	94.9
Calcium	500000	500000	486000	97.2	479000	95.8	476000	95.2	473000	94.6
Chromium		500	-0.40		501	100.2	0.0		495	99.0
Cobalt		500	0.50		478	95.6	0.80		474	94.8
Copper		500	0.0		537	107.4	-0.10		510	102.0
Iron	200000	200000	193000	96.5	188000	94.0	184000	92.0	180000	90.0
Lead		1000	-0.70		992	99.2	1.3		1000	100.0
Magnesium	500000	500000	526000	105.2	522000	104.4	494000	98.8	494000	98.8
Manganese		500	0.0		513	102.6	0.0		482	96.4
Molybdenum		1000	0.90		1010	101.0	1.0		984	98.4
Nickel		1000	0.0		977	97.7	-0.20		933	93.3
Potassium			94.9		140		125		101	
Selenium		1000	1.7		1100	110.0	-1.6		1050	105.0
Silver		1000	-0.20		960	96.0	-0.20		886	88.6
Sodium			192		231		719		544	
Strontium		1000	0.0		1090	109.0	-0.70		1050	105.0
Thallium		1000	1.4		1070	107.0	1.7		1070	107.0
Tin		1000	3.1		1010	101.0	2.9		949	94.9
Titanium		1000	1.7		1070	107.0	1.5		1020	102.0
Vanadium		500	0.0		461	92.2	0.0		452	90.4
Zinc		1000	-1.8		953	95.3	-1.2		943	94.3

(*) Outside of QC limits
(anr) Analyte not requested

6.1.6
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB120616M1.ICP Date Analyzed: 12/06/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13628
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:31	MA13628-STD1	1		STDA
07:39	MA13628-STD2	1		STDB
07:49	MA13628-STD3	1		STDC
07:53	MA13628-STD4	1		STDD
07:58	MA13628-HSTD1	1		
08:17	MA13628-ICV1	1		
08:22	MA13628-ICB1	1		
08:37	MA13628-CR1A1	1		
08:46	MA13628-ICSA1	1		
08:59	MA13628-ICSAB1	1		
09:03	MA13628-CCV1	1		
09:12	MA13628-CCB1	1		
09:16	MP31271-MB1	1		
09:20	MP31271-B1	1		
09:24	FA39151-1	1		(sample used for QC only; not part of login FA38934)
09:28	MP31271-D1	1		
09:32	MP31271-SD1	5		
09:37	MP31271-PS1	1		
09:41	MP31271-S1	1		
09:45	MP31271-S2	1		
09:48	ZZZZZZ	1		
09:53	ZZZZZZ	1		
09:57	MA13628-CCV2	1		
10:01	MA13628-CCB2	1		
10:05	ZZZZZZ	1		
10:09	ZZZZZZ	1		
10:13	ZZZZZZ	1		
10:17	ZZZZZZ	1		
10:22	ZZZZZZ	1		
10:26	ZZZZZZ	1		
10:30	ZZZZZZ	1		
10:34	ZZZZZZ	1		
10:42	ZZZZZZ	1		

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB120616M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 12/06/16
Run ID: MA13628
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:46	FA39144-1	2		(sample used for QC only; not part of login FA38934)
10:50	MA13628-CCV3	1		
10:54	MA13628-CCB3	1		
10:58	MP31267-D1	2		
11:02	MP31267-S1	2		
11:06	MP31267-S2	2		
11:10	MP31267-PS1	2		
11:14	MP31267-SD1	10		
11:18	ZZZZZZ	4		
11:27	ZZZZZZ	10		
11:31	ZZZZZZ	10		
11:35	ZZZZZZ	10		
11:39	MA13628-CCV4	1		
11:43	MA13628-CCB4	1		
11:47	ZZZZZZ	10		
11:51	ZZZZZZ	5		
11:56	ZZZZZZ	5		
12:00	ZZZZZZ	2		
12:04	MP31272-MB1	1		
12:08	MP31272-B1	1		
12:12	FA39222-6	1		(sample used for QC only; not part of login FA38934)
12:16	MP31272-D1	1		
12:20	MP31272-SD1	5		
12:24	MP31272-PS1	1		
12:28	MA13628-CCV5	1		
12:32	MA13628-CCB5	1		
12:37	MP31272-S1	1		
12:41	MP31272-S2	1		
12:45	ZZZZZZ	1		
12:49	ZZZZZZ	1		
12:53	ZZZZZZ	1		
12:57	ZZZZZZ	1		
13:01	ZZZZZZ	1		

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB120616M1.ICP Date Analyzed: 12/06/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13628
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:05	ZZZZZZ	1		
13:09	ZZZZZZ	1		
13:14	ZZZZZZ	1		
13:18	MA13628-CCV6	1		
13:22	MA13628-CCB6	1		
13:26	ZZZZZZ	1		
13:30	ZZZZZZ	1		
13:35	ZZZZZZ	1		
13:39	ZZZZZZ	1		
13:43	ZZZZZZ	1		
13:47	ZZZZZZ	1		
13:52	ZZZZZZ	1		
13:56	ZZZZZZ	1		
14:00	ZZZZZZ	1		
14:04	ZZZZZZ	1		
14:08	MA13628-CCV7	1		
14:12	MA13628-CCB7	1		
14:17	ZZZZZZ	1		
14:21	ZZZZZZ	5		
14:25	ZZZZZZ	2		
14:29	ZZZZZZ	25		
14:33	ZZZZZZ	2		
14:38	ZZZZZZ	50		
14:42	ZZZZZZ	50		
14:46	MP31274-MB1	5		
14:50	MP31274-B1	5		
14:58	MA13628-CCV8	1		
15:02	MA13628-CCB8	1		
15:35	FA38934-7	5		
15:39	FA38934-10	5		
15:43	FA38934-13	5		
----->	Last reportable sample/prep for job FA38934			
15:47	MA13628-CCV9	1		
15:51	MA13628-CCB9	1		

6.2
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB120616M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 12/06/16
Run ID: MA13628
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:55	MP31277-MB1	1		
16:00	MP31277-B1	1		
16:04	FA38996-1	1		(sample used for QC only; not part of login FA38934)
16:08	MP31277-D1	1		
16:12	MP31277-SD1	5		
16:16	MP31277-S1	1		
16:20	MP31277-S2	1		
16:24	MP31277-MB2	1		
16:28	MP31277-B2	1		
16:32	MP31278-MB1	1		
16:36	MA13628-CCV10	1		
16:40	MA13628-CCB10	1		
16:45	MP31278-B1	1		
16:49	FA39165-1L	1		(sample used for QC only; not part of login FA38934)
16:53	MP31278-D1	1		
16:57	MP31278-SD1	5		
17:01	MP31278-S1	1		
17:05	MP31278-S2	1		
17:10	ZZZZZZ	1		
17:14	ZZZZZZ	1		
17:18	ZZZZZZ	1		
17:22	ZZZZZZ	1		
17:27	MA13628-CCV11	1		
17:31	MA13628-CCB11	1		
17:35	ZZZZZZ	1		
17:39	ZZZZZZ	1		
17:43	ZZZZZZ	1		
17:48	ZZZZZZ	1		
17:52	ZZZZZZ	1		
17:56	MP31278-D2	1		
18:00	MP31278-MB2	1		
18:05	MP31278-B2	1		
18:17	MA13628-CCV12	1		

6.2
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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB120616M1.ICP Date Analyzed: 12/06/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13628
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:21	MA13628-CCB12	1		
19:08	MA13628-CCV13	1		
19:12	MA13628-CCB13	1		
19:55	MA13628-CRIA2	1		
19:59	MA13628-CCV14	1		
20:03	MA13628-CCB14	1		
20:07	MA13628-ICSA2	1		
20:12	MA13628-ICSAB2	1		
20:16	MA13628-CCV15	1		
20:20	MA13628-CCB15	1		

-----> Last reportable CCB for job FA38934
Refer to raw data for calibration curve and standards.

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INTERNAL STANDARD SUMMARY

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB120616M1.ICP Date Analyzed: 12/06/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13628
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:31	MA13628-STD1	7328	48212	5342	2637
07:39	MA13628-STD2	7247	47546	5380	2440
07:49	MA13628-STD3	6970	45233	5347	2240
07:53	MA13628-STD4	6697	43203	5323	2075
07:58	MA13628-HSTD1	6577	42574	5219	2043
08:17	MA13628-ICV1	6763	43731	5198	2189
08:22	MA13628-ICB1	7123 R	47034 R	5283 R	2578 R
08:37	MA13628-CR1A1	7066	46103	5272	2476
08:46	MA13628-ICSA1	6202	39397	4986	1842
08:59	MA13628-ICSAB1	6162	39311	4932	1815
09:03	MA13628-CCV1	6792	43824	5223	2200
09:12	MA13628-CCB1	7113	47143	5220	2587
09:16	MP31271-MB1	6899	45532	5082	2508
09:20	MP31271-B1	6665	43524	5003	2217
09:24	FA39151-1	6708	44163	5048	2327
09:28	MP31271-D1	6707	44496	5063	2322
09:32	MP31271-SD1	7102	46617	5253	2530
09:37	MP31271-PS1	6707	44404	5017	2264
09:41	MP31271-S1	6629	43466	5078	2146
09:45	MP31271-S2	6631	43341	4999	2153
09:48	ZZZZZZ	6609	43593	5077	2263
09:53	ZZZZZZ	6519	42935	5041	2184
09:57	MA13628-CCV2	6815	44337	5225	2199
10:01	MA13628-CCB2	7146	47251	5245	2574
10:05	ZZZZZZ	5858	37657	4862	1847
10:09	ZZZZZZ	6703	44503	5041	2317
10:13	ZZZZZZ	6422	42423	4970	2170
10:17	ZZZZZZ	6314	41562	5000	2073
10:22	ZZZZZZ	6841	45728	5089	2392
10:26	ZZZZZZ	6880	46051	5057	2452
10:30	ZZZZZZ	6794	44653	5087	2334
10:34	ZZZZZZ	6491	43099	4986	2233
10:42	ZZZZZZ	6626	43711	4989	2238

6.2.1
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INTERNAL STANDARD SUMMARY

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB120616M1.ICP Date Analyzed: 12/06/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13628
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:46	FA39144-1	6580	43258	5048	2247
10:50	MA13628-CCV3	6784	44008	5142	2186
10:54	MA13628-CCB3	7113	47449	5185	2572
10:58	MP31267-D1	6572	43326	5110	2242
11:02	MP31267-S1	6624	43771	5059	2188
11:06	MP31267-S2	6520	43097	5013	2152
11:10	MP31267-PS1	6560	43277	5046	2213
11:14	MP31267-SD1	6989	46564	5198	2447
11:18	ZZZZZZ	6769	44794	5154	2313
11:27	ZZZZZZ	6852	44865	5177	2330
11:31	ZZZZZZ	6913	45614	5209	2360
11:35	ZZZZZZ	6913	45414	5168	2383
11:39	MA13628-CCV4	6748	44346	5125	2170
11:43	MA13628-CCB4	7085	47127	5220	2557
11:47	ZZZZZZ	6876	44939	5166	2348
11:51	ZZZZZZ	6800	44788	5129	2330
11:56	ZZZZZZ	6911	45466	5164	2373
12:00	ZZZZZZ	8662	57004	6519	2286
12:04	MP31272-MB1	6839	45824	5038	2471
12:08	MP31272-B1	6608	43660	4951	2189
12:12	FA39222-6	6764	45184	4974	2383
12:16	MP31272-D1	6770	44880	4980	2386
12:20	MP31272-SD1	7048	47037	5169	2523
12:24	MP31272-PS1	6716	44690	5011	2300
12:28	MA13628-CCV5	6741	43960	5128	2173
12:32	MA13628-CCB5	7055	47068	5145	2548
12:37	MP31272-S1	6600	43411	4965	2165
12:41	MP31272-S2	6607	43402	4937	2164
12:45	ZZZZZZ	6800	45303	5037	2357
12:49	ZZZZZZ	6824	45352	5012	2357
12:53	ZZZZZZ	7033	46911	5161	2407
12:57	ZZZZZZ	6858	45284	4988	2366
13:01	ZZZZZZ	6916	46025	5086	2388

6.2.1
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INTERNAL STANDARD SUMMARY

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB120616M1.ICP Date Analyzed: 12/06/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13628
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:05	ZZZZZZ	6795	45431	4988	2377
13:09	ZZZZZZ	7646	49396	5887	1915
13:14	ZZZZZZ	6800	45040	4994	2381
13:18	MA13628-CCV6	6777	44324	5167	2174
13:22	MA13628-CCB6	7123	47431	5176	2558
13:26	ZZZZZZ	6411	41497	4915	2079
13:30	ZZZZZZ	7829	50249	6124	1901
13:35	ZZZZZZ	6421	41836	4856	2112
13:39	ZZZZZZ	6861	45783	4973	2441
13:43	ZZZZZZ	6843	45471	4964	2421
13:47	ZZZZZZ	6803	45195	4974	2376
13:52	ZZZZZZ	6873	45714	4978	2446
13:56	ZZZZZZ	6795	44791	4933	2378
14:00	ZZZZZZ	6587	42013	4894	2033
14:04	ZZZZZZ	6828	45236	4940	2403
14:08	MA13628-CCV7	6785	43937	5036	2182
14:12	MA13628-CCB7	7119	47178	5073	2566
14:17	ZZZZZZ	6819	44894	4914	2395
14:21	ZZZZZZ	6774	44287	5039	2166
14:25	ZZZZZZ	7100	45654	5261	2065
14:29	ZZZZZZ	7006	45745	5094	2367
14:33	ZZZZZZ	6921	45060	5078	2299
14:38	ZZZZZZ	6786	43557	5061	2210
14:42	ZZZZZZ	6762	43674	5096	2210
14:46	MP31274-MB1	6937	45813	4961	2461
14:50	MP31274-B1	6865	45034	4866	2357
14:58	MA13628-CCV8	6835	44500	5084	2176
15:02	MA13628-CCB8	7179	47527	5097	2566
15:35	FA38934-7	7001	45908	4999	2319
15:39	FA38934-10	6996	45884	4978	2304
15:43	FA38934-13	7002	45579	5008	2301
15:47	MA13628-CCV9	6847	44902	5086	2177
15:51	MA13628-CCB9	7178	47436	5121	2560

6.2.1
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INTERNAL STANDARD SUMMARY

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB120616M1.ICP Date Analyzed: 12/06/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13628
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:55	MP31277-MB1	6954	46599	4979	2470
16:00	MP31277-B1	6679	44179	4868	2180
16:04	FA38996-1	6802	45138	4932	2361
16:08	MP31277-D1	6827	45016	4969	2367
16:12	MP31277-SD1	7181	47465	5138	2533
16:16	MP31277-S1	6702	43869	4889	2162
16:20	MP31277-S2	6709	43803	4904	2162
16:24	MP31277-MB2	7021	46901	5011	2506
16:28	MP31277-B2	6819	44835	4963	2227
16:32	MP31278-MB1	6960	46344	4982	2479
16:36	MA13628-CCV10	6838	44372	5060	2176
16:40	MA13628-CCB10	7178	47743	5160	2557
16:45	MP31278-B1	6703	44123	4897	2189
16:49	FA39165-1L	6578	42760	4939	2180
16:53	MP31278-D1	6586	42833	4880	2181
16:57	MP31278-SD1	7017	46521	5100	2406
17:01	MP31278-S1	6554	42752	4893	2073
17:05	MP31278-S2	6559	42463	4820	2074
17:10	ZZZZZZ	6571	42486	4882	2173
17:14	ZZZZZZ	6586	42659	4852	2186
17:18	ZZZZZZ	6553	42517	4824	2174
17:22	ZZZZZZ	6531	42112	4845	2169
17:27	MA13628-CCV11	6848	44204	5049	2182
17:31	MA13628-CCB11	7192	47480	5084	2564
17:35	ZZZZZZ	6540	42176	4851	2159
17:39	ZZZZZZ	6547	42443	4813	2177
17:43	ZZZZZZ	6551	42207	4846	2181
17:48	ZZZZZZ	6530	41927	4810	2163
17:52	ZZZZZZ	6532	42012	4793	2163
17:56	MP31278-D2	6579	42172	4792	2190
18:00	MP31278-MB2	6550	41977	4782	2182
18:05	MP31278-B2	6515	42161	4820	2077
18:17	MA13628-CCV12	6857	43898	5026	2189

6.2.1
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INTERNAL STANDARD SUMMARY

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB120616M1.ICP Date Analyzed: 12/06/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13628
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:21	MA13628-CCB12	7174	47060	5063	2572
19:08	MA13628-CCV13	6797	43368	4933	2170
19:12	MA13628-CCB13	7130	46475	4946	2558
19:55	MA13628-CRIA2	7026	45493	4873	2431
19:59	MA13628-CCV14	6791	43526	4886	2173
20:03	MA13628-CCB14	7144	46654	4862	2559
20:07	MA13628-ICSA2	6203	38905	4661	1811
20:12	MA13628-ICSAB2	6163	38573	4579	1795
20:16	MA13628-CCV15	6810	43419	4816	2180
20:20	MA13628-CCB15	7148	46628	4894	2565

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.2.1
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BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB120616M1.ICP
 QC Limits: result < RL

Date Analyzed: 12/06/16
 Run ID: MA13628

Methods: SW846 6010C
 Units: ug/l

Metal	Time:		08:22		09:12		10:01		10:54		
	Sample ID:	RL	IDL	ICB1	final	CCB1	final	CCB2	final	CCB3	final
Aluminum	200	14	anr								
Antimony	6.0	1	anr								
Arsenic	10	1.3	anr								
Barium	200	1	anr								
Beryllium	4.0	.2	anr								
Cadmium	5.0	.2	anr								
Calcium	1000	50	anr								
Chromium	10	1	anr								
Cobalt	50	.2	anr								
Copper	25	1	anr								
Iron	300	17	anr								
Lead	5.0	1	0.20	<5.0	0.60	<5.0	0.20	<5.0	0.30	<5.0	
Magnesium	5000	35	anr								
Manganese	15	.5	anr								
Molybdenum	50	.3	anr								
Nickel	40	.4	anr								
Potassium	10000	200	anr								
Selenium	10	2.4	anr								
Silver	10	.7	anr								
Sodium	10000	500	anr								
Strontium	10	.5	anr								
Thallium	10	1.1	anr								
Tin	50	.9	anr								
Titanium	10	.5	anr								
Vanadium	50	.5	anr								
Zinc	20	3	anr								

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB120616M1.ICP
 QC Limits: result < RL

Date Analyzed: 12/06/16
 Run ID: MA13628

Methods: SW846 6010C
 Units: ug/l

Metal	RL	IDL	Time:							
			Sample ID:	11:43	12:32	13:22	14:12			
			CCB4	CCB5	CCB6	CCB7				
			raw	raw	raw	raw	final	final	final	final
Aluminum	200	14								
Antimony	6.0	1	anr							
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2	anr							
Cadmium	5.0	.2	anr							
Calcium	1000	50								
Chromium	10	1	anr							
Cobalt	50	.2	anr							
Copper	25	1	anr							
Iron	300	17	anr							
Lead	5.0	1	0.20	<5.0	0.60	<5.0	0.60	<5.0	0.60	<5.0
Magnesium	5000	35								
Manganese	15	.5								
Molybdenum	50	.3	anr							
Nickel	40	.4	anr							
Potassium	10000	200								
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.1	anr							
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB120616M1.ICP
 QC Limits: result < RL

Date Analyzed: 12/06/16
 Run ID: MA13628

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	15:02 CCB8		15:51 CCB9		16:40 CCB10		17:31 CCB11	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14								
Antimony		6.0	1	anr							
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2	anr							
Cadmium		5.0	.2	anr							
Calcium		1000	50								
Chromium		10	1	anr							
Cobalt		50	.2	anr							
Copper		25	1	anr							
Iron		300	17	anr							
Lead		5.0	1	0.80	<5.0	0.70	<5.0	0.40	<5.0	0.60	<5.0
Magnesium		5000	35								
Manganese		15	.5								
Molybdenum		50	.3	anr							
Nickel		40	.4	anr							
Potassium		10000	200								
Selenium		10	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500	anr							
Strontium		10	.5								
Thallium		10	1.1	anr							
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5	anr							
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB120616M1.ICP Date Analyzed: 12/06/16 Methods: SW846 6010C
 QC Limits: result < RL Run ID: MA13628 Units: ug/l

Metal	RL	IDL	18:21		19:12		20:03		20:20	
			CCB12	final	CCB13	final	CCB14	final	CCB15	final
Sample ID:			raw		raw		raw		raw	
Aluminum	200	14								
Antimony	6.0	1	anr							
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2	anr							
Cadmium	5.0	.2	anr							
Calcium	1000	50								
Chromium	10	1	anr							
Cobalt	50	.2	anr							
Copper	25	1	anr							
Iron	300	17	anr							
Lead	5.0	1	0.40	<5.0	0.30	<5.0	0.50	<5.0	0.30	<5.0
Magnesium	5000	35								
Manganese	15	.5								
Molybdenum	50	.3	anr							
Nickel	40	.4	anr							
Potassium	10000	200								
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.1	anr							
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB120616M1.ICP Date Analyzed: 12/06/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13628 Units: ug/l

Metal	Time: Sample ID: ICV	08:17		CCV True	09:03		CCV True	09:57	
		ICV1 Results	% Rec		CCV1 Results	% Rec		CCV2 Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	1990	99.5	2000	1980	99.0	2000	1990	99.5
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium	anr								
Thallium	anr								
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
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CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB120616M1.ICP Date Analyzed: 12/06/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13628 Units: ug/l

Metal	Sample ID	CCV	10:50		CCV	11:39		CCV	12:28	
			CCV3	Results		CCV4	Results		CCV5	Results
Aluminum										
Antimony	anr									
Arsenic	anr									
Barium	anr									
Beryllium	anr									
Cadmium	anr									
Calcium										
Chromium	anr									
Cobalt	anr									
Copper	anr									
Iron	anr									
Lead	2000	2000	100.0	2000	2000	100.0	2000	2010	100.5	
Magnesium										
Manganese										
Molybdenum	anr									
Nickel	anr									
Potassium										
Selenium	anr									
Silver	anr									
Sodium	anr									
Strontium										
Thallium	anr									
Tin										
Titanium										
Vanadium	anr									
Zinc	anr									

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB120616M1.ICP Date Analyzed: 12/06/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13628 Units: ug/l

Metal	Sample ID	CCV	13:18		14:08		14:58		
			CCV6	Results	CCV7	Results	CCV8	Results	
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	2010	100.5	2000	2010	100.5	2000	2020	101.0
Magnesium									
Manganese									
Molybdenum	anr								
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB120616M1.ICP Date Analyzed: 12/06/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13628 Units: ug/l

Metal	Sample ID	Time: CCV	15:47		16:36		17:27		
			CCV9	Results	CCV10	Results	CCV11	Results	
		True	% Rec	True	% Rec	True	% Rec		
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	2020	101.0	2000	2020	101.0	2000	2030	101.5
Magnesium									
Manganese									
Molybdenum	anr								
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB120616M1.ICP Date Analyzed: 12/06/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13628 Units: ug/l

Metal	Sample ID	CCV	18:17 CCV12		19:08 CCV13		19:59 CCV14		
			Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	2030	101.5	2000	2030	101.5	2000	2030	101.5
Magnesium									
Manganese									
Molybdenum	anr								
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB120616M1.ICP Date Analyzed: 12/06/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13628 Units: ug/l

Time:	20:16		
Sample ID:	CCV	CCV15	
Metal	True	Results	% Rec

Aluminum			
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium			
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	2000	2030	101.5
Magnesium			
Manganese			
Molybdenum	anr		
Nickel	anr		
Potassium			
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB120616M1.ICP Date Analyzed: 12/06/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13628 Units: ug/l

Time:	07:58		
Sample ID:	HSTD1		
Metal	HSTD True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	4000	4090	102.3
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium	anr		
Thallium	anr		
Tin	anr		
Titanium	anr		
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB120616M1.ICP Date Analyzed: 12/06/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13628 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	08:37 CRIA1 Results	% Rec	19:55 CRIA2 Results	% Rec
Metal						
Aluminum	400	200	anr			
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	4.9	98.0	5.6	112.0
Magnesium	10000	5000	anr			
Manganese	30	15	anr			
Molybdenum	100	50	anr			
Nickel	80	40	anr			
Potassium	20000	10000	anr			
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10	anr			
Thallium	20	10	anr			
Tin	100	50	anr			
Titanium	20	10	anr			
Vanadium	100	50	anr			
Zinc	40	20	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB120616M1.ICP Date Analyzed: 12/06/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13628 Units: ug/l

Time:	08:46	08:59	20:07	20:12						
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2						
Metal	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum	500000	500000	532000	106.4	524000	104.8	534000	106.8	543000	108.6
Antimony		1000	-1.8		1120	112.0	-1.0		1120	112.0
Arsenic		1000	0.10		1200	120.0	-0.90		1200	120.0
Barium		500	-0.40		534	106.8	-0.30		548	109.6
Beryllium		500	0.0		515	103.0	0.0		506	101.2
Cadmium		1000	-0.50		976	97.6	-0.10		991	99.1
Calcium	500000	500000	488000	97.6	487000	97.4	482000	96.4	496000	99.2
Chromium		500	-0.50		515	103.0	-0.50		523	104.6
Cobalt		500	0.60		490	98.0	0.60		496	99.2
Copper		500	0.90		548	109.6	-1.0		548	109.6
Iron	200000	200000	201000	100.5	196000	98.0	194000	97.0	191000	95.5
Lead		1000	-0.10		1020	102.0	4.6		1050	105.0
Magnesium	500000	500000	538000	107.6	537000	107.4	524000	104.8	527000	105.4
Manganese		500	-0.10		524	104.8	-0.10		530	106.0
Molybdenum		1000	0.0		1050	105.0	0.0		1050	105.0
Nickel		1000	0.0		999	99.9	-0.40		1010	101.0
Potassium			410		255		247		253	
Selenium		1000	-1.5		1130	113.0	0.40		1130	113.0
Silver		1000	-0.20		894	89.4	-0.40		908	90.8
Sodium			708		487		1180		1040	
Strontium		1000	0.40		1140	114.0	1.5		1160	116.0
Thallium		1000	1.1		1090	109.0	1.4		1110	111.0
Tin		1000	1.8		1000	100.0	2.5		1020	102.0
Titanium		1000	-0.90		1120	112.0	-0.70		1130	113.0
Vanadium		500	-0.50		475	95.0	-0.10		482	96.4
Zinc		1000	-1.4		979	97.9	-1.5		997	99.7

(*) Outside of QC limits
(anr) Analyte not requested

6.2.6
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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA120716M1.ICP Date Analyzed: 12/07/16 Methods: SW846 6010C
Analyst: LM Run ID: MA13634
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:35	MA13634-STD1	1		STDA
09:39	MA13634-STD2	1		STDB
09:43	MA13634-STD3	1		STDC
09:47	MA13634-STD4	1		STDD
09:52	MA13634-HSTD1	1		
09:59	MA13634-ICV1	1		
10:08	MA13634-ICB1	1		
10:15	MA13634-CRIA1	1		
10:26	MA13634-CRIA2	1		
10:32	MA13634-ICSA1	1		
10:37	MA13634-ICSAB1	1		
10:43	MA13634-CCV1	1		
10:55	MA13634-CCB1	1		
11:02	ZZZZZZ	20		
11:06	ZZZZZZ	5		
11:11	ZZZZZZ	5		
11:15	ZZZZZZ	5		
11:19	ZZZZZZ	4		
11:24	ZZZZZZ	250		
11:28	FA38934-1	20		
11:33	MP31274-D1	20		
11:37	MP31274-S1	20		
11:41	MP31274-S2	20		
11:46	MA13634-CCV2	1		
11:50	MA13634-CCB2	1		
11:54	MP31274-PS1	20		
11:59	MP31274-SD1	100		
12:03	FA38934-4	20		
12:08	MP31274-D2	20		
----->	Last reportable sample/prep for job FA38934			
12:12	MP31283-MB1	1		
12:16	MP31283-B1	1		
12:21	FA39222-6F	1		(sample used for QC only; not part of login FA38934)
12:25	MP31283-D1	1		

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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA120716M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 12/07/16
Run ID: MA13634
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:30	MP31283-SD1	5		
12:34	MP31283-PS1	1		
12:38	MA13634-CCV3	1		
12:43	MA13634-CCB3	1		
12:47	MP31283-S1	1		
12:51	MP31283-S2	1		
12:55	ZZZZZZ	1		
13:00	ZZZZZZ	1		
13:04	ZZZZZZ	1		
13:09	ZZZZZZ	1		
13:14	ZZZZZZ	1		
13:18	ZZZZZZ	1		
13:23	ZZZZZZ	1		
13:28	ZZZZZZ	1		
13:45	MA13634-CCV4	1		
13:51	MA13634-CCB4	1		
14:21	MA13634-ICV2	1		
14:27	MA13634-CCV5	1		
14:33	MA13634-CCB5	1		
14:37	ZZZZZZ	1		
14:41	ZZZZZZ	1		
14:46	ZZZZZZ	1		
14:50	ZZZZZZ	1		
14:55	ZZZZZZ	1		
14:59	ZZZZZZ	1		
15:04	ZZZZZZ	1		
15:08	ZZZZZZ	1		
15:13	ZZZZZZ	1		
15:17	ZZZZZZ	1		
15:22	MA13634-CCV6	1		
15:26	MA13634-CCB6	1		
15:30	ZZZZZZ	1		
15:35	MP31283-MB2A	1		

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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA120716M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 12/07/16
Run ID: MA13634
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:39	MP31285-MB1	1		
15:44	MP31285-B1	1		
15:48	FA39252-7	1		(sample used for QC only; not part of login FA38934)
15:52	MP31285-D1	1		
15:57	MP31285-SD1	5		
16:01	MP31285-PS1	1		
16:06	MP31285-S1	1		
16:10	MP31285-S2	1		
16:14	MA13634-CCV7	1		
16:18	MA13634-CCB7	1		
16:23	ZZZZZZ	5		
16:27	ZZZZZZ	5		
16:31	ZZZZZZ	5		
16:36	ZZZZZZ	1		
16:40	ZZZZZZ	5		
16:44	ZZZZZZ	5		
16:49	ZZZZZZ	5		
16:53	MP31286-MB1	1		
16:58	MP31286-B1	1		
17:02	FA39100-5L	1		(sample used for QC only; not part of login FA38934)
17:07	MA13634-CCV8	1		
17:11	MA13634-CCB8	1		
17:15	MP31286-D1	1		
17:20	MP31286-SD1	5		
17:24	MP31286-S1	1		
17:28	MP31286-S2	1		
17:33	FA39100-1L	1		(sample used for QC only; not part of login FA38934)
17:37	ZZZZZZ	1		
17:42	ZZZZZZ	1		
17:46	ZZZZZZ	1		
17:51	ZZZZZZ	1		
17:55	ZZZZZZ	1		
17:59	MA13634-CCV9	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA120716M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 12/07/16
Run ID: MA13634
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:04	MA13634-CCB9	1		
18:08	ZZZZZZ	1		
18:13	ZZZZZZ	1		
18:17	ZZZZZZ	1		
18:21	ZZZZZZ	1		
18:26	MP31286-D2	1		
18:30	MP31286-MB2	1		
18:35	MP31286-B2	1		
18:53	MA13634-CCV10	1		
18:57	MA13634-CCB10	1		
19:50	MA13634-CCV11	1		
19:54	MA13634-CCB11	1		
20:18	MA13634-CRIA3	1		
20:22	MA13634-ICSA2	1		
20:27	MA13634-ICSAB2	1		
20:32	MA13634-CCV12	1		
20:36	MA13634-CCB12	1		
----->	Last reportable CCB for job FA38934 Refer to raw data for calibration curve and standards.			

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INTERNAL STANDARD SUMMARY

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA120716M1.ICP Date Analyzed: 12/07/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13634
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:35	MA13634-STD1	4730	32935	6852	1969
09:39	MA13634-STD2	4723	32946	6808	1961
09:43	MA13634-STD3	4597	32824	6747	1884
09:47	MA13634-STD4	4482	32394	6695	1801
09:52	MA13634-HSTD1	4475	32665	6797	1801
09:59	MA13634-ICV1	4636	33104	6770	1895
10:08	MA13634-ICB1	4719 R	32985 R	6921 R	1967 R
10:15	MA13634-CRIA1		33357		
10:26	MA13634-CRIA2	4755	33205	6796	1983
10:32	MA13634-ICSA1	4339	31482	6560	1733
10:37	MA13634-ICSAB1	4324	31612	6618	1715
10:43	MA13634-CCV1	4596	32982	6845	1892
10:55	MA13634-CCB1	4743	32802	6851	1977
11:02	ZZZZZZ	4727	33734	6828	1985
11:06	ZZZZZZ	4871	34462	7113	1969
11:11	ZZZZZZ	4778	33452	6790	1994
11:15	ZZZZZZ	4876	34222	6973	1956
11:19	ZZZZZZ	4763	33328	6768	1988
11:24	ZZZZZZ	4790	33291	6793	1989
11:28	FA38934-1	4812	33165	6879	1980
11:33	MP31274-D1	4816	33179	6864	1970
11:37	MP31274-S1	4808	33188	6869	1982
11:41	MP31274-S2	4824	33310	6884	1982
11:46	MA13634-CCV2	4645	32910	6657	1878
11:50	MA13634-CCB2	4772	32861	6755	1958
11:54	MP31274-PS1	4873	33484	6895	1993
11:59	MP31274-SD1	4829	33291	6875	1976
12:03	FA38934-4	4836	33222	6841	1978
12:08	MP31274-D2	4841	33489	6846	1983
12:12	MP31283-MB1	4732	32916	6879	1939
12:16	MP31283-B1	4685	33069	6782	1915
12:21	FA39222-6F	4741	33035	6836	1964
12:25	MP31283-D1	4747	33106	6853	1963

INTERNAL STANDARD SUMMARY

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA120716M1.ICP Date Analyzed: 12/07/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13634
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:30	MP31283-SD1	4807	33288	6809	1973
12:34	MP31283-PS1	4751	33103	6814	1950
12:38	MA13634-CCV3	4690	33101	6686	1899
12:43	MA13634-CCB3	4814	33187	6792	1969
12:47	MP31283-S1	4703	32822	6713	1915
12:51	MP31283-S2	4704	33110	6671	1911
12:55	ZZZZZZ	4757	33064	6762	1951
13:00	ZZZZZZ	4499	32122	6334	1740
13:04	ZZZZZZ	4689	32936	6621	1863
13:09	ZZZZZZ	3730	28857	6064	1476
13:14	ZZZZZZ	4491	32176	6374	1740
13:18	ZZZZZZ	4461	31527	6333	1680
13:23	ZZZZZZ	3710	28713	5978	1466
13:28	ZZZZZZ	4599	33142	6492	1869
13:45	MA13634-CCV4	4675	33061	6683	1888
13:51	MA13634-CCB4	4812	33085	6664	1969
14:21	MA13634-ICV2	4699	33193	6628	1897
14:27	MA13634-CCV5	4682	32976	6556	1890
14:33	MA13634-CCB5	4791	32977	6626	1961
14:37	ZZZZZZ	4676	34041	6750	1806
14:41	ZZZZZZ	4447	32536	6318	1777
14:46	ZZZZZZ	4509	32937	6399	1825
14:50	ZZZZZZ	4772	33292	6673	1966
14:55	ZZZZZZ	4786	33579	6781	1984
14:59	ZZZZZZ	4802	33311	6780	1969
15:04	ZZZZZZ	4811	33284	6795	1968
15:08	ZZZZZZ	4822	33303	6779	1964
15:13	ZZZZZZ	4781	33350	6698	1972
15:17	ZZZZZZ	4787	33312	6729	1971
15:22	MA13634-CCV6	4724	33204	6517	1897
15:26	MA13634-CCB6	4839	33427	6651	1970
15:30	ZZZZZZ	4766	33414	6730	1966
15:35	MP31283-MB2A	4774	33323	6812	1954

INTERNAL STANDARD SUMMARY

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA120716M1.ICP Date Analyzed: 12/07/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13634
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:39	MP31285-MB1	4796	33147	6821	1957
15:44	MP31285-B1	4752	33344	6617	1931
15:48	FA39252-7	5138	35580	7171	1973
15:52	MP31285-D1	5127	35336	7134	1965
15:57	MP31285-SD1	4909	33888	6789	1982
16:01	MP31285-PS1	5107	35536	7105	1948
16:06	MP31285-S1	5125	35726	7238	1921
16:10	MP31285-S2	5123	36024	7234	1921
16:14	MA13634-CCV7	4706	33324	6605	1899
16:18	MA13634-CCB7	4826	33527	6624	1977
16:23	ZZZZZZ	5155	36217	7315	1951
16:27	ZZZZZZ	5211	36402	7287	1956
16:31	ZZZZZZ	5139	35863	7177	1957
16:36	ZZZZZZ	4931	34312	6936	1962
16:40	ZZZZZZ	4851	33795	6789	1975
16:44	ZZZZZZ	4953	34424	6968	1968
16:49	ZZZZZZ	4995	34534	6986	1958
16:53	MP31286-MB1	4780	33086	6807	1962
16:58	MP31286-B1	4710	33317	6669	1933
17:02	FA39100-5L	4691	33735	6624	1948
17:07	MA13634-CCV8	4683	33098	6594	1900
17:11	MA13634-CCB8	4799	33013	6610	1974
17:15	MP31286-D1	4668	33472	6644	1942
17:20	MP31286-SD1	4788	33690	6719	1994
17:24	MP31286-S1	4617	33166	6575	1888
17:28	MP31286-S2	4605	32851	6535	1883
17:33	FA39100-1L	4658	33475	6587	1937
17:37	ZZZZZZ	4649	33521	6613	1938
17:42	ZZZZZZ	4656	33441	6583	1941
17:46	ZZZZZZ	4666	33469	6627	1940
17:51	ZZZZZZ	4644	33442	6584	1944
17:55	ZZZZZZ	4658	33513	6685	1951
17:59	MA13634-CCV9	4642	33099	6600	1901

INTERNAL STANDARD SUMMARY

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA120716M1.ICP Date Analyzed: 12/07/16 Methods: SW846 6010C
 Analyst: LM Run ID: MA13634
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:04	MA13634-CCB9	4752	33112	6662	1970
18:08	ZZZZZZ	4638	33487	6622	1946
18:13	ZZZZZZ	4649	33502	6654	1950
18:17	ZZZZZZ	4706	33522	6667	1968
18:21	ZZZZZZ	4711	33646	6665	1973
18:26	MP31286-D2	4642	33483	6645	1948
18:30	MP31286-MB2	4705	33851	6666	1974
18:35	MP31286-B2	4646	33398	6618	1916
18:53	MA13634-CCV10	4631	33103	6610	1902
18:57	MA13634-CCB10	4750	32999	6637	1975
19:50	MA13634-CCV11	4650	33183	6436	1905
19:54	MA13634-CCB11	4777	33578	6616	1995
20:18	MA13634-CRIA3	4799	33776	6453	2010
20:22	MA13634-ICSA2	4347	31692	6250	1746
20:27	MA13634-ICSAB2	4330	31693	6231	1717
20:32	MA13634-CCV12	4614	33040	6376	1897
20:36	MA13634-CCB12	4754	33457	6483	1994

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA120716M1.ICP
 QC Limits: result < RL

Date Analyzed: 12/07/16
 Run ID: MA13634

Methods: SW846 6010C
 Units: ug/l

Metal	RL	IDL	Time:							
			Sample ID:	10:08	10:55	11:50	12:43			
			ICB1	CCB1	CCB2	CCB3				
			raw	raw	raw	raw	raw	raw	raw	raw
			final	final	final	final	final	final	final	final
Aluminum	200	14	anr							
Antimony	6.0	1	anr							
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2	anr							
Cadmium	5.0	.2	anr							
Calcium	1000	50	anr							
Chromium	10	1	anr							
Cobalt	50	.2	anr							
Copper	25	1	anr							
Iron	300	17	anr							
Lead	5.0	1	-0.30	<5.0	-0.50	<5.0	-0.80	<5.0	-0.90	<5.0
Magnesium	5000	35	anr							
Manganese	15	.5	anr							
Molybdenum	50	.3	anr							
Nickel	40	.4	anr							
Potassium	10000	200	anr							
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500	anr							
Strontium	10	.5	anr							
Thallium	10	1.1	anr							
Tin	50	.9	anr							
Titanium	10	.5	anr							
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.2
 6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA120716M1.ICP
 QC Limits: result < RL

Date Analyzed: 12/07/16
 Run ID: MA13634

Methods: SW846 6010C
 Units: ug/l

Metal	RL	IDL	Time:							
			Sample ID:	13:51	14:33	15:26	16:18			
			raw	final	raw	final	raw	final	raw	final
Aluminum	200	14	anr							
Antimony	6.0	1	anr							
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2	anr							
Cadmium	5.0	.2	anr							
Calcium	1000	50	anr							
Chromium	10	1	anr							
Cobalt	50	.2	anr							
Copper	25	1	anr							
Iron	300	17	anr							
Lead	5.0	1	-0.50	<5.0	0.10	<5.0	-0.60	<5.0	0.0	<5.0
Magnesium	5000	35	anr							
Manganese	15	.5	anr							
Molybdenum	50	.3								
Nickel	40	.4	anr							
Potassium	10000	200	anr							
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.1	anr							
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.2
 6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA120716M1.ICP
 QC Limits: result < RL

Date Analyzed: 12/07/16
 Run ID: MA13634

Methods: SW846 6010C
 Units: ug/l

Metal	RL	IDL	17:11 CCB8		18:04 CCB9		18:57 CCB10		19:54 CCB11	
			raw	final	raw	final	raw	final	raw	final
Aluminum	200	14	anr							
Antimony	6.0	1	anr							
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2	anr							
Cadmium	5.0	.2	anr							
Calcium	1000	50	anr							
Chromium	10	1	anr							
Cobalt	50	.2	anr							
Copper	25	1	anr							
Iron	300	17	anr							
Lead	5.0	1	0.10	<5.0	-0.30	<5.0	-0.10	<5.0	0.50	<5.0
Magnesium	5000	35	anr							
Manganese	15	.5	anr							
Molybdenum	50	.3								
Nickel	40	.4	anr							
Potassium	10000	200	anr							
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.1	anr							
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA120716M1.ICP
 QC Limits: result < RL

Date Analyzed: 12/07/16
 Run ID: MA13634

Methods: SW846 6010C
 Units: ug/l

Time: Sample ID:	RL	IDL	20:36 CCB12 raw	final
Metal				
Aluminum	200	14	anr	
Antimony	6.0	1	anr	
Arsenic	10	1.3	anr	
Barium	200	1	anr	
Beryllium	4.0	.2	anr	
Cadmium	5.0	.2	anr	
Calcium	1000	50	anr	
Chromium	10	1	anr	
Cobalt	50	.2	anr	
Copper	25	1	anr	
Iron	300	17	anr	
Lead	5.0	1	-0.50	<5.0
Magnesium	5000	35	anr	
Manganese	15	.5	anr	
Molybdenum	50	.3		
Nickel	40	.4	anr	
Potassium	10000	200	anr	
Selenium	10	2.4	anr	
Silver	10	.7	anr	
Sodium	10000	500	anr	
Strontium	10	.5		
Thallium	10	1.1	anr	
Tin	50	.9		
Titanium	10	.5		
Vanadium	50	.5	anr	
Zinc	20	3	anr	

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.2
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA120716M1.ICP Date Analyzed: 12/07/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13634 Units: ug/l

Metal	Time: Sample ID: ICV	09:59		CCV True	10:43		CCV True	11:46	
		ICV1 Results	% Rec		CCV1 Results	% Rec		CCV2 Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	2000	100.0	2000	1970	98.5	2000	1970	98.5
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium	anr								
Thallium	anr								
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.3.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA120716M1.ICP Date Analyzed: 12/07/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13634 Units: ug/l

Metal	Time: Sample ID: CCV True	12:38 CCV3		CCV True	13:45 CCV4		ICV True	14:21 ICV2	
		Results	% Rec		Results	% Rec		Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	1950	97.5	2000	1950	97.5	2000	1990	99.5
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.3.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA120716M1.ICP Date Analyzed: 12/07/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13634 Units: ug/l

Metal	Sample ID:	CCV	14:27		CCV	15:22		CCV	16:14	
			CCV5	Results		CCV6	Results		CCV7	Results
		True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum		anr								
Antimony		anr								
Arsenic		anr								
Barium		anr								
Beryllium		anr								
Cadmium		anr								
Calcium		anr								
Chromium		anr								
Cobalt		anr								
Copper		anr								
Iron		anr								
Lead	2000	2000	1980	99.0	2000	1980	99.0	2000	1980	99.0
Magnesium		anr								
Manganese		anr								
Molybdenum										
Nickel		anr								
Potassium		anr								
Selenium		anr								
Silver		anr								
Sodium		anr								
Strontium										
Thallium		anr								
Tin										
Titanium										
Vanadium		anr								
Zinc		anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.3.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA120716M1.ICP Date Analyzed: 12/07/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13634 Units: ug/l

Metal	Time: Sample ID: CCV True	17:07 CCV8		CCV True	17:59 CCV9		CCV True	18:53 CCV10	
		Results	% Rec		Results	% Rec		Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	2000	100.0	2000	2020	101.0	2000	2030	101.5
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.3.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA120716M1.ICP Date Analyzed: 12/07/16 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13634 Units: ug/l

Metal	Sample ID	CCV True	19:50 CCV11		20:32 CCV12		
			Results	% Rec	True	Results	% Rec
Aluminum		anr					
Antimony		anr					
Arsenic		anr					
Barium		anr					
Beryllium		anr					
Cadmium		anr					
Calcium		anr					
Chromium		anr					
Cobalt		anr					
Copper		anr					
Iron		anr					
Lead	2000	2020	2020	101.0	2000	2020	101.0
Magnesium		anr					
Manganese		anr					
Molybdenum							
Nickel		anr					
Potassium		anr					
Selenium		anr					
Silver		anr					
Sodium		anr					
Strontium							
Thallium		anr					
Tin							
Titanium							
Vanadium		anr					
Zinc		anr					

(*) Outside of QC limits
(anr) Analyte not requested

6.3.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA120716M1.ICP Date Analyzed: 12/07/16 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13634 Units: ug/l

Time:	09:52		
Sample ID:	HSTD1		
Metal	HSTD True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	4000	4130	103.3
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium	anr		
Thallium	anr		
Tin	anr		
Titanium	anr		
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA120716M1.ICP Date Analyzed: 12/07/16 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13634 Units: ug/l

Time:	CRI	CRIA	10:15	10:26	20:18			
Sample ID:	True	True	CRIA1	CRIA2	CRIA3			
Metal			Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	400	200						
Antimony	10	5.0						
Arsenic	20	10						
Barium	400	200						
Beryllium	10	5.0						
Cadmium	10	5.0						
Calcium	2000	1000						
Chromium	20	10						
Cobalt	100	50						
Copper	50	25						
Iron	600	300						
Lead	10	5.0			4.7	94.0	4.8	96.0
Magnesium	10000	5000						
Manganese	30	15						
Molybdenum	100	50						
Nickel	80	40						
Potassium	20000	10000						
Selenium	20	10						
Silver	20	10	anr					
Sodium	20000	10000						
Strontium	20	10						
Thallium	20	10						
Tin	100	50						
Titanium	20	10						
Vanadium	100	50						
Zinc	40	20						

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA120716M1.ICP Date Analyzed: 12/07/16 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13634 Units: ug/l

Time:	10:32	10:37	20:22	20:27						
Sample ID:	ICSAB	ICSAB1	ICSAB2	ICSAB2						
Metal	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec	
Aluminum	500000	500000	509000	101.8	501000	100.2	490000	98.0	490000	98.0
Antimony		1000	1.9		1090	109.0	0.0		1130	113.0
Arsenic		1000	0.0		1140	114.0	-1.0		1180	118.0
Barium		500	0.10		517	103.4	0.30		503	100.6
Beryllium		500	-0.10		498	99.6	-0.10		494	98.8
Cadmium		1000	-0.30		967	96.7	0.50		1000	100.0
Calcium	500000	500000	472000	94.4	470000	94.0	476000	95.2	474000	94.8
Chromium		500	0.0		502	100.4	0.50		509	101.8
Cobalt		500	0.70		496	99.2	0.70		503	100.6
Copper		500	-0.90		555	111.0	1.0		548	109.6
Iron	200000	200000	189000	94.5	186000	93.0	187000	93.5	183000	91.5
Lead		1000	-0.10		1010	101.0	6.2		1040	104.0
Magnesium	500000	500000	515000	103.0	513000	102.6	490000	98.0	494000	98.8
Manganese		500	-0.70		500	100.0	-0.60		515	103.0
Molybdenum		1000	0.50		1040	104.0	1.0		1050	105.0
Nickel		1000	-0.70		992	99.2	-0.70		1030	103.0
Potassium			72.1		76.3		367		279	
Selenium		1000	0.0		1080	108.0	0.90		1100	110.0
Silver		1000	-0.60		956	95.6	-0.20		947	94.7
Sodium			157		207		2100		1460	
Strontium		1000	-0.50		1100	110.0	-0.50		1100	110.0
Thallium		1000	-0.20		1080	108.0	0.40		1110	111.0
Tin		1000	3.0		1040	104.0	3.1		1040	104.0
Titanium		1000	-0.90		1070	107.0	-0.80		1100	110.0
Vanadium		500	0.0		478	95.6	-0.10		493	98.6
Zinc		1000	-2.1		951	95.1	-1.3		1000	100.0

(*) Outside of QC limits
(anr) Analyte not requested

6.3.6
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP31228
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 11/29/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	14	14		
Antimony	6.0	1	1		
Arsenic	10	1.3	1.3		
Barium	200	1	1		
Beryllium	4.0	.2	.2		
Cadmium	5.0	.2	.2		
Calcium	1000	50	50		
Chromium	10	1	1		
Cobalt	50	.2	.2		
Copper	25	1	1		
Iron	300	17	17		
Lead	5.0	1	1.1	0.10	<5.0
Magnesium	5000	35	35		
Manganese	15	.5	1		
Molybdenum	50	.3	.3		
Nickel	40	.4	.4		
Potassium	10000	200	200		
Selenium	10	2.4	2.9		
Silver	10	.7	.7		
Sodium	10000	500	500		
Strontium	10	.5	.5		
Thallium	10	1.1	1.4		
Tin	50	.9	1		
Titanium	10	.5	1		
Vanadium	50	.5	.6		
Zinc	20	3	4.4		

Associated samples MP31228: FA38934-16, FA38934-17

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.4.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP31228
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 11/29/16 11/29/16

Metal	FA38999-3 Original	DUP	RPD	QC Limits	FA38999-3 Original MS	Spikelot MPFLICP2 % Rec	QC Limits		
Aluminum	anr								
Antimony									
Arsenic	anr								
Barium									
Beryllium	anr								
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper									
Iron	anr								
Lead	0.0	0.0	NC	0-20	0.0	547	500	109.4	80-120
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

Associated samples MP31228: FA38934-16, FA38934-17

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.4.2
 6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP31228
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 11/29/16

Metal	FA38999-3 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit		
Aluminum	anr					
Antimony						
Arsenic	anr					
Barium						
Beryllium	anr					
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper						
Iron	anr					
Lead	0.0	518	500	103.6	5.4	20
Magnesium						
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

Associated samples MP31228: FA38934-16, FA38934-17

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.4.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP31228
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 11/29/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	anr			
Antimony				
Arsenic	anr			
Barium				
Beryllium	anr			
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper				
Iron	anr			
Lead	526	500	105.2	80-120
Magnesium				
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP31228: FA38934-16, FA38934-17

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.3
 6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP31228
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 11/29/16

Metal	FA38999-3	Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr				
Antimony					
Arsenic	anr				
Barium					
Beryllium	anr				
Cadmium	anr				
Calcium					
Chromium	anr				
Cobalt					
Copper					
Iron	anr				
Lead	0.00	0.00	NC		0-10
Magnesium					
Manganese	anr				
Molybdenum					
Nickel	anr				
Potassium					
Selenium					
Silver					
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium	anr				
Zinc	anr				

Associated samples MP31228: FA38934-16, FA38934-17

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP31228
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date:

11/29/16

Metal	Sample ml	Final ml	FA38999-3 Raw	PS Corr.** ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	9.8	10		52.9	0.2	2.5	50	105.8	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP31228: FA38934-16, FA38934-17

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (**) Corr. sample result = Raw * (sample volume / final volume)
 (anr) Analyte not requested

6.4.5
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA38934
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP31274
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 12/06/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.4	3.5		
Antimony	2.0	.1	.13		
Arsenic	1.0	.13	.2		
Barium	20	.1	.1		
Beryllium	0.50	.02	.05		
Cadmium	0.40	.02	.05		
Calcium	500	5	5		
Chromium	1.0	.1	.1		
Cobalt	5.0	.02	.05		
Copper	2.5	.1	.1		
Iron	30	1.7	1.7		
Lead	2.0	.1	.1	0.12	<2.0
Magnesium	500	3.5	3.6		
Manganese	1.5	.05	.05		
Molybdenum	5.0	.03	.05		
Nickel	4.0	.04	.05		
Potassium	1000	20	20		
Selenium	2.0	.24	.24		
Silver	1.0	.07	.082		
Sodium	1000	50	50		
Strontium	1.0	.05	.05		
Thallium	1.0	.11	.11		
Tin	5.0	.09	.09		
Titanium	1.0	.05	.05		
Vanadium	5.0	.05	.05		
Zinc	2.0	.3	.3		

Associated samples MP31274: FA38934-1, FA38934-4, FA38934-7, FA38934-10, FA38934-13

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.5.1
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP31274
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 12/06/16 12/06/16

Metal	FA38934-1 Original	DUP	RPD	QC Limits	FA38934-1 Original MS	Spikelot MPFLICP2 % Rec	QC Limits
Aluminum							
Antimony							
Arsenic							
Barium							
Beryllium							
Cadmium							
Calcium							
Chromium							
Cobalt							
Copper							
Iron							
Lead	558	524	6.3	0-20	558	520	9.1 -417.0(a) 80-120
Magnesium							
Manganese							
Molybdenum							
Nickel							
Potassium							
Selenium							
Silver							
Sodium							
Strontium							
Thallium							
Tin							
Titanium							
Vanadium							
Zinc							

Associated samples MP31274: FA38934-1, FA38934-4, FA38934-7, FA38934-10, FA38934-13

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

6.5.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP31274
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 12/06/16 12/06/16

Metal	FA38934-1 Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit	FA38934-1 Original DUP	RPD	QC Limits
Aluminum							
Antimony							
Arsenic							
Barium							
Beryllium							
Cadmium							
Calcium							
Chromium							
Cobalt							
Copper							
Iron							
Lead	558 553	9.82 -50.9(a)	6.2	20	558 551	1.3	0-20
Magnesium							
Manganese							
Molybdenum							
Nickel							
Potassium							
Selenium							
Silver							
Sodium							
Strontium							
Thallium							
Tin							
Titanium							
Vanadium							
Zinc							

Associated samples MP31274: FA38934-1, FA38934-4, FA38934-7, FA38934-10, FA38934-13

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

6.5.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP31274
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 12/06/16

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	10.9	10	109.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP31274: FA38934-1, FA38934-4, FA38934-7, FA38934-10, FA38934-13

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.5.3
 6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP31274
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 12/06/16

Metal	FA38934-1	QC
	Original SDL 20:100%DIF	Limits

Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	28700	29500	2.8	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP31274: FA38934-1, FA38934-4, FA38934-7, FA38934-10, FA38934-13

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.5.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA38934
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP31274
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date:

12/06/16

Metal	Sample ml	Final ml	FA38934-1 Raw	PS Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead	9.8	10	28690	28116.2	28190	0.2	2.5	50	147.6*(a	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP31274: FA38934-1, FA38934-4, FA38934-7, FA38934-10, FA38934-13

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(**) Corr. sample result = Raw * (sample volume / final volume)

(anr) Analyte not requested

(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

6.5.5

6

Instrument Detection Limits

Job Number: FA38934
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1	Effective Date: 01/27/15
-------------------------	--------------------------

Analyte	IDL ug/l
Aluminum	14
Antimony	1
Arsenic	1.3
Barium	1
Beryllium	.2
Cadmium	.2
Calcium	50
Chromium	1
Cobalt	.2
Copper	1
Iron	17
Lead	1
Magnesium	35
Manganese	.5
Molybdenum	.3
Nickel	.4
Potassium	200
Selenium	2.4
Silicon	5
Silver	.7
Sodium	500
Strontium	.5
Sulfur	5
Thallium	1.1
Tin	.9
Titanium	.5
Vanadium	.5
Zinc	3

The above applies to the following instrument runs:
MA13634

6.6
9

Instrument Detection Limits

Job Number: FA38934
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE2	Effective Date: 01/27/15
-------------------------	--------------------------

Analyte	IDL ug/l
Aluminum	14
Antimony	1
Arsenic	1.3
Barium	1
Beryllium	.2
Cadmium	.2
Calcium	50
Chromium	1
Cobalt	.2
Copper	1
Iron	17
Lead	1
Magnesium	35
Manganese	.5
Molybdenum	.3
Nickel	.4
Potassium	200
Selenium	2.4
Silicon	5
Silver	.7
Sodium	500
Strontium	.5
Sulfur	5
Thallium	1.1
Tin	.9
Titanium	.5
Vanadium	.5
Zinc	3

The above applies to the following instrument runs:
MA13606,MA13628

6.6
9

Instrument Linear Ranges

Job Number: FA38934
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1

Effective Date: 08/13/13

Analyte	Linear Range ug/l
Aluminum	500000
Antimony	10000
Arsenic	10000
Barium	10000
Beryllium	10000
Cadmium	10000
Calcium	500000
Chromium	10000
Cobalt	10000
Copper	10000
Iron	500000
Lead	10000
Magnesium	500000
Manganese	10000
Molybdenum	10000
Nickel	10000
Potassium	80000
Selenium	10000
Silver	1000
Sodium	80000
Strontium	10000
Sulfur	10000
Thallium	10000
Tin	10000
Titanium	10000
Vanadium	10000
Zinc	10000

The above applies to the following instrument runs:
MA13634

Instrument Linear Ranges

Job Number: FA38934
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE2

Effective Date: 10/22/10

Analyte	Linear Range ug/l
Aluminum	500000
Antimony	10000
Arsenic	10000
Barium	10000
Beryllium	10000
Cadmium	10000
Calcium	500000
Chromium	10000
Cobalt	10000
Copper	10000
Iron	500000
Lead	10000
Magnesium	500000
Manganese	10000
Molybdenum	10000
Nickel	10000
Potassium	80000
Selenium	10000
Silver	1000
Sodium	80000
Strontium	10000
Thallium	10000
Tin	10000
Titanium	10000
Vanadium	10000
Zinc	10000

The above applies to the following instrument runs:
MA13606,MA13628

Metals Analysis

Raw Data

Sample Name: Blank Acquired: 11/29/2016 7:53:24 Type: Cal
Method: 60102007_041712(v430) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.014	0.013	-0.007	0.008	-0.002	0.073	0.000	-0.001	0.005
Stddev	0.002	0.014	0.000	0.006	0.005	0.002	0.000	0.001	0.001
%RSD	15.58	109.0	5.668	66.48	193.5	2.528	281.8	188.0	9.453
#1	-0.015	0.001	-0.007	0.014	-0.008	0.072	0.000	-0.002	0.006
#2	-0.015	0.010	-0.007	0.009	0.000	0.075	0.000	0.000	0.005
#3	-0.011	0.029	-0.007	0.002	0.001	0.073	-0.001	0.000	0.006
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.023	0.012	-0.010	0.002	0.003	0.008	-0.232	-0.003	-0.020
Stddev	0.001	0.003	0.010	0.003	0.001	0.001	0.005	0.002	0.005
%RSD	4.338	27.09	107.6	158.1	22.50	18.25	1.960	72.70	25.22
#1	0.022	0.016	-0.007	0.004	0.003	0.010	-0.231	-0.004	-0.023
#2	0.023	0.010	-0.021	-0.001	0.004	0.007	-0.238	0.000	-0.022
#3	0.024	0.011	-0.001	0.001	0.003	0.007	-0.229	-0.004	-0.014
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.001	-0.001	0.047	0.005	-0.039	0.013	-0.033	-0.003	0.010
Stddev	0.002	0.001	0.001	0.000	0.016	0.001	0.001	0.000	0.001
%RSD	189.6	195.5	2.334	4.137	40.58	7.521	4.198	14.64	9.440
#1	0.003	-0.002	0.048	0.005	-0.021	0.014	-0.031	-0.003	0.011
#2	0.000	0.000	0.045	0.005	-0.050	0.012	-0.034	-0.004	0.011
#3	-0.001	0.000	0.047	0.005	-0.045	0.013	-0.032	-0.003	0.009
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2407.7	6876.8	4497.2	3910.4					
Stddev	8.2	14.5	9.1	16.3					
%RSD	0.34198	0.21088	0.20270	0.41806					
#1	2417.2	6892.8	4493.1	3891.8					
#2	2403.3	6873.1	4507.6	3922.5					
#3	2402.6	6864.5	4490.9	3917.0					

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Sample Name: Blank Acquired: 11/29/2016 7:57:12 Type: Cal
Method: 60102007_041712(v430) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.014	0.018	-0.006	-0.003	-0.006	0.079	-0.001	0.000	0.005
Stddev	0.002	0.010	0.001	0.017	0.004	0.014	0.000	0.002	0.001
%RSD	13.34	52.78	18.34	55.79	75.01	17.28	19.79	12.99	27.16
#1	-0.013	0.022	-0.007	0.016	-0.003	0.066	-0.001	0.002	0.005
#2	-0.013	0.007	-0.005	-0.007	-0.003	0.078	-0.001	0.001	0.006
#3	-0.016	0.026	-0.007	-0.017	-0.010	0.093	-0.001	-0.002	0.004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.022	0.008	-0.045	0.002	0.005	0.006	-0.260	-0.004	-0.018
Stddev	0.001	0.001	0.026	0.003	0.001	0.001	0.031	0.004	0.006
%RSD	3.182	16.38	58.38	112.6	21.25	21.72	11.90	84.38	33.69
#1	0.021	0.006	-0.034	0.000	0.006	0.007	-0.252	-0.002	-0.022
#2	0.022	0.009	-0.026	0.006	0.005	0.005	-0.294	-0.002	-0.011
#3	0.022	0.008	-0.075	0.002	0.004	0.006	-0.234	-0.008	-0.022
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.002	-0.001	0.054	0.005	-0.036	0.009	-0.031	-0.005	0.019
Stddev	0.002	0.002	0.002	0.001	0.006	0.000	0.002	0.001	0.002
%RSD	70.68	149.2	3.649	16.79	17.81	5.502	5.049	18.07	8.459
#1	0.004	-0.003	0.055	0.006	-0.039	0.009	-0.032	-0.006	0.020
#2	0.001	0.000	0.056	0.004	-0.041	0.009	-0.029	-0.005	0.017
#3	0.002	-0.001	0.052	0.006	-0.029	0.009	-0.032	-0.004	0.019
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2395.5	6850.9	4463.6	3854.2					
Stddev	6	8.9	25.2	11.4					
%RSD	0.2443	0.12989	0.56349	0.29533					
#1	2396.0	6852.7	4444.3	3857.9					
#2	2394.9	6841.2	4454.6	3863.2					
#3	2395.6	6858.7	4492.1	3841.4					

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Sample Name: LowStd Acquired: 11/29/2016 8:00:45 Type: Cal
Method: 60102007_041712(v430) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.311	1.738	0.889	5.044	4.126	3.013	2.246	1.090	2.175	3.183
Stddev	0.005	0.007	0.004	0.23	0.19	0.12	0.04	0.01	0.009	0.014
%RSD	1.526	4.167	0.462	4.626	4.512	3.819	2.014	1.204	4.219	4.372
#1	0.306	1.732	0.893	5.026	4.107	3.008	2.243	1.089	2.167	3.168
#2	0.313	1.736	0.885	5.037	4.128	3.005	2.244	1.090	2.185	3.195
#3	0.315	1.746	0.887	5.071	4.144	3.026	2.252	1.091	2.173	3.185
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.795	1.167	2.538	1.429	5.601	4.277	6.501	6.344	10.66	0.664
Stddev	0.010	0.007	0.013	0.008	0.008	0.013	0.028	0.026	0.007	0.002
%RSD	0.5815	0.6424	0.5022	0.5402	0.1385	0.2998	0.4360	0.4154	0.6696	0.2885
#1	1.790	1.159	2.546	1.421	5.594	4.263	6.523	6.345	10.66	0.665
#2	1.789	1.167	2.523	1.436	5.599	4.279	6.469	6.317	10.59	0.662
#3	1.807	1.174	2.543	1.429	5.609	4.289	6.510	6.370	10.73	0.665
Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062			
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S			
Avg	2.755	2.045	7.554	9.877	3.006	2.739	1.335			
Stddev	0.003	0.011	0.040	0.047	0.013	0.004	0.004			
%RSD	0.970	0.5351	0.5335	0.4801	0.4455	0.1613	0.2744			
#1	2.752	2.050	7.510	9.835	3.011	2.735	1.335			
#2	2.754	2.032	7.562	9.929	2.991	2.739	1.331			
#3	2.758	2.052	7.589	9.867	3.016	2.744	1.339			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Units	Cts/S	Cts/S	Cts/S	Cts/S						
Avg	2274.7	6803.9	4435.4	3882.7						
Stddev	7.9	21.6	28.5	21.7						
%RSD	0.34931	0.31787	0.64172	0.55921						
#1	2269.8	6798.2	4465.4	3863.8						
#2	2283.9	6827.8	4408.8	3906.4						
#3	2270.4	6785.7	4432.0	3877.8						

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Sample Name: MidStd Acquired: 11/29/2016 8:04:21 Type: Cal
Method: 60102007_041712(v430) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.346	6.579	3.858	21.12	17.05	11.26	9.265	4.480	8.982	1.336
Stddev	0.002	0.005	0.005	0.04	0.04	0.02	0.006	0.003	0.016	0.004
%RSD	0.1849	0.758	0.1396	2.014	2.553	1.465	0.648	0.696	1.802	0.2773
#1	1.349	6.576	3.857	21.10	17.10	11.28	9.264	4.480	8.984	1.336
#2	1.344	6.584	3.865	21.09	17.04	11.27	9.259	4.482	8.964	1.332
#3	1.345	6.575	3.854	21.17	17.02	11.24	9.271	4.476	8.996	1.339
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6.360	4.529	9.475	5.890	2.339	16.38	2.667	2.708	4.564	2.798
Stddev	0.019	0.010	0.032	0.011	0.002	0.01	0.001	0.003	0.003	0.002
%RSD	0.3046	0.2156	0.3370	0.1843	0.0752	0.0311	0.0345	0.0990	0.0594	0.0576
#1	6.382	4.538	9.504	5.889	2.337	16.39	2.667	2.711	4.562	2.800
#2	6.353	4.519	9.480	5.902	2.338	16.38	2.668	2.705	4.563	2.796
#3	6.345	4.531	9.441	5.881	2.341	16.38	2.666	2.708	4.567	2.798

Sample Name: HighStd Acquired: 11/29/2016 8:08:44 Type: Cal
Method: 60102007_041712(v430) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include Avg, Stddev, %RSD, and #1-3.

Table with 11 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include #1, #2, #3.

Table with 11 columns: Elem, Units, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include Avg, Stddev, %RSD, and #1-3.

Table with 11 columns: Elem, Units, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include #1, #2, #3.

Table with 11 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD, and #1-3.

Table with 11 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include #1, #2, #3.

Table with 4 columns: Int. Std., Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD, and #1-3.

Table with 4 columns: Int. Std., Units, In2306, Y_2243, Y_3600, Y_3710. Rows include #1, #2, #3.

Sample Name: HSTD Acquired: 11/29/2016 8:12:42 Type: QC
Method: 60102007_041712(v430) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include Avg, Stddev, %RSD, and #1-3.

Table with 11 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include #1, #2, #3.

Table with 11 columns: Elem, Units, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include Check ? Value Range.

Table with 11 columns: Elem, Units, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include Avg, Stddev, %RSD, and #1-3.

Table with 11 columns: Elem, Units, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include #1, #2, #3.

Table with 11 columns: Elem, Units, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include Check ? Value Range.

Table with 11 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD, and #1-3.

Table with 11 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include #1, #2, #3.

Table with 11 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Check ? Value Range.

7.1

Sample Name: HSTD Acquired: 11/29/2016 8:12:42 Type: QC
Method: 60102007_041712(v430) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Int. Std., Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD, and #1-3.

Table with 5 columns: Int. Std., Units, In2306, Y_2243, Y_3600, Y_3710. Rows include #1, #2, #3.

Sample Name: ICV Acquired: 11/29/2016 8:18:12 Type: QC
Method: 60102007_041712(v430) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include Avg, Stddev, %RSD, and #1-3.

Table with 11 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include #1, #2, #3.

Table with 11 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include Check ? Value Range.

Table with 11 columns: Elem, Units, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include Avg, Stddev, %RSD, and #1-3.

Table with 11 columns: Elem, Units, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include #1, #2, #3.

Table with 11 columns: Elem, Units, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include Check ? Value Range.

Table with 11 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD, and #1-3.

Table with 11 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include #1, #2, #3.

Table with 11 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Check ? Value Range.

Sample Name: ICB Acquired: 11/29/2016 8:18:12 Type: QC
 Method: 60102007_041712(v430) Mode: CONC Corr. Factor: 1.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2098.9	6541.8	42580.	3885.1
Stddev	5.5	4.6	243.	11.0
%RSD	.26124	.06978	.56997	.28285

#1	2092.6	6541.9	42821.	3890.5
#2	2101.7	6546.2	42335.	3872.5
#3	2102.5	6537.1	42586.	3892.4

Sample Name: ICB Acquired: 11/29/2016 8:28:30 Type: QC
 Method: 60102007_041712(v430) Mode: CONC Corr. Factor: 1.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	-0.015	-0.002	.0000	.0001	-0.029	.0000	.0000	.0000	.0000
Stddev	.0001	.0114	.0003	.000	.0000	.0017	.0000	.000	.000	.000
%RSD	28.78	785.9	149.1	385.8	59.97	57.94	19.45	206.6	661.4	608.2

#1	-0.004	-0.079	-0.002	.0001	.0001	-0.022	.0000	-0.001	-0.004	-0.001
#2	-0.002	-0.082	.0001	-0.001	.0001	-0.017	.0000	.0000	.0000	.0001
#3	-0.003	.0118	-0.004	.0000	.0000	-0.048	.0000	.0000	.0002	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019	.0180	.0001	.0000	.0002	.0103	.0001	.0000	-0.0010	.0004
Stddev	.0017	.0159	.0237	.000	.0001	.0051	.0001	.0002	.0007	.0006
%RSD	90.65	88.05	33390.	247.1	80.09	49.81	70.23	357.6	74.99	160.3

#1	.0001	.0049	.0178	-0.001	.0002	.0150	.0001	-0.001	-0.018	.0001
#2	.0035	.0356	-0.268	.0000	.0002	.0048	.0001	.0000	-0.007	-0.001
#3	.0021	.0136	.0092	.0000	.0000	.0111	.0000	.0002	-0.004	.0010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.019	.0002	-0.001	.0000	.0003	.0003	-0.003
Stddev	.0003	.0000	.0001	.0000	.0003	.0001	.0001
%RSD	14.89	17.72	86.62	117.1	95.96	41.90	18.05

#1	-0.019	.0002	-0.001	.0000	.0000	.0004	-0.003
#2	-0.016	.0001	-0.001	.0000	.0006	.0002	-0.004
#3	-0.021	.0002	.0000	.0001	.0003	.0005	-0.003

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.1
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Sample Name: ICB Acquired: 11/29/2016 8:28:30 Type: QC
 Method: 60102007_041712(v430) Mode: CONC Corr. Factor: 1.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2397.7	6790.0	44689.	3849.6
Stddev	2.7	11.7	180.	50.9
%RSD	.11390	.17178	.40257	1.3225

#1	2398.8	6799.8	44861.	3857.5
#2	2394.6	6777.1	44502.	3896.2
#3	2399.7	6793.0	44705.	3795.2

Sample Name: CRIA Acquired: 11/29/2016 8:32:02 Type: QC
 Method: 60102007_041712(v430) Mode: CONC Corr. Factor: 1.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0100	.2231	.0114	.2145	.0055	1.095	.0055	.0545	.0110	.0275
Stddev	.0003	.0057	.0002	.0008	.0000	.002	.0000	.0001	.0003	.0005
%RSD	2.696	2.541	1.524	3.509	.7068	.1849	.5978	.0948	3.089	1.727

#1	.0100	.2296	.0112	.2142	.0054	1.095	.0055	.0546	.0106	.0279
#2	.0103	.2195	.0114	.2139	.0055	1.096	.0055	.0546	.0110	.0270
#3	.0097	.2201	.0115	.2153	.0055	1.092	.0055	.0545	.0113	.0275

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3339	10.91	5.602	.0170	.0525	10.73	.0454	.0054	.0047	.0117
Stddev	.0035	.05	.051	.0001	.0000	.01	.0002	.0006	.0009	.0001
%RSD	1.045	4.606	.9193	4.871	.0618	.0614	3.984	11.09	18.39	.9135

#1	.3368	10.95	5.651	.0169	.0525	10.73	.0456	.0058	.0053	.0118
#2	.3300	10.85	5.608	.0170	.0525	10.72	.0454	.0058	.0050	.0116
#3	.3349	10.93	5.549	.0171	.0525	10.72	.0452	.0047	.0037	.0117

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0138	.0562	.0104	.0108	.0107	.0497	.0226
Stddev	.0002	.0005	.0001	.0001	.0007	.0005	.0001
%RSD	1.752	.9630	.6346	1.265	6.744	.9615	.3604

#1	.0136	.0560	.0105	.0108	.0115	.0500	.0225
#2	.0138	.0567	.0104	.0106	.0100	.0500	.0227
#3	.0141	.0557	.0104	.0109	.0107	.0492	.0226

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CRIA Acquired: 11/29/2016 8:32:02 Type: QC
 Method: 60102007_041712(v430) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2330.0	6737.5	4397.6	3836.3
Stddev	3.9	13.4	107.	33.6
%RSD	.16936	.19827	.24420	.87512
#1	2333.5	6722.1	43900.	3797.5
#2	2330.9	6745.9	44099.	3855.9
#3	2325.7	6744.4	43929.	3855.4

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Sample Name: ICSA Acquired: 11/29/2016 8:38:49 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	520.8	.0000	-0.003	-0.002	486.3	.0000	.0005	-0.004
Stddev	.0003	6.4	.001	.002	.0001	4.9	.000	.0001	.0002
%RSD	194.7	1.222	5300.	75.26	57.11	.9974	714.2	13.79	44.21
#1	-0.004	514.6	-0.011	-0.003	-0.003	491.7	-0.001	.0005	-0.005
#2	-0.002	527.3	.0005	-0.004	-0.003	485.0	-0.001	.0005	-0.002
#3	-0.003	520.4	.0006	.0000	-0.001	482.3	.0002	.0006	-0.004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	193.2	.0949	526.1	.0000	.0009	.1916	.0000	-0.007
Stddev	.0004	.6	.0231	1.1	.0001	.0002	.0139	.0000	.0024
%RSD	1277.	.2882	24.35	.2093	1344.	28.26	7.272	97.30	333.3
#1	-0.004	193.5	.1179	526.8	-0.001	.0006	.1791	.0001	.0020
#2	.0003	193.6	.0950	526.7	.0000	.0011	.1890	.0000	-0.022
#3	.0002	192.6	.0717	524.8	.0001	.0009	.2066	.0001	-0.020

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0017	.0012	F.0031	.0000	.0017	.0014	.0000	-0.018
Stddev	.0014	.0028	.0005	.0002	.000	.0002	.0027	.0002	.0001
%RSD	3146.	168.4	43.08	5.450	1826.	9.725	187.2	497.5	6.621
#1	.0013	.0006	.0015	.0032	-0.0005	.0017	.0044	.0002	-0.017
#2	.0003	.0048	.0014	.0030	.0002	.0018	.0005	-0.002	-0.017
#3	-0.014	-0.004	.0006	.0033	.0002	.0015	-0.007	.0001	-0.019

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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Sample Name: ICSA Acquired: 11/29/2016 8:38:49 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1807.5	6061.6	39002.	3656.6
Stddev	1.7	7.9	91.	27.4
%RSD	.09455	.13041	.23333	.74871
#1	1806.7	6052.9	38897.	3655.2
#2	1806.5	6063.4	39049.	3629.9
#3	1809.5	6068.4	39060.	3684.6

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Sample Name: IC SAB Acquired: 11/29/2016 8:51:18 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9596	515.9	1.177	.5244	.5048	479.0	.9515	.4781	.5013	.5370
Stddev	.0015	5.2	.002	.0007	.0016	5.5	.0015	.0002	.0027	.0003
%RSD	.1606	1.006	.2007	.1332	.3072	1.138	.1565	.0407	.5396	.0541
#1	.9612	519.4	1.176	.5251	.5030	477.1	.9520	.4783	.5037	.5373
#2	.9594	509.9	1.176	.5237	.5056	485.2	.9499	.4780	.5017	.5367
#3	.9582	518.3	1.180	.5245	.5058	474.8	.9528	.4779	.4984	.5370

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	187.8	.1402	521.7	.5128	1.012	2314	.9772	.9924	1.105	1.104
Stddev	.3	.0161	.9	.0015	.000	.0053	.0016	.0020	.001	.001
%RSD	.1590	11.46	.1638	.2936	.0310	2.279	.1601	.1995	.1034	.0484
#1	187.7	.1439	521.3	.5146	1.012	2331	.9758	.9926	1.104	1.105
#2	187.5	.1226	521.2	.5120	1.012	2356	.9770	.9904	1.106	1.104
#3	188.1	.1541	522.7	.5119	1.012	2255	.9789	.9943	1.106	1.104

Check ? Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0092	1.011	1.091	1.074	1.066	.4609	.9530
Stddev	.0006	.001	.003	.003	.005	.0012	.0012
%RSD	6.211	.0903	.2553	.3208	.4676	.2647	.1253
#1	.0099	1.010	1.089	1.077	1.070	.4622	.9523
#2	.0088	1.012	1.091	1.073	1.061	.4597	.9524
#3	.0089	1.011	1.094	1.071	1.069	.4608	.9544

Check ? None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: ICSAB Acquired: 11/29/2016 8:51:18 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1788.2	6041.3	39034.	3673.6
Stddev	4.1	14.2	212.	2.1
%RSD	.23140	.23426	.54376	.05688
#1	1786.6	6049.4	38794.	3672.0
#2	1792.9	6049.6	39110.	3676.0
#3	1785.2	6025.0	39198.	3672.9

Sample Name: CCV Acquired: 11/29/2016 8:58:01 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2617	40.65	2.106	2.072	2.063	40.52	2.048	2.047	2.043	2.073
Stddev	.0009	.13	.001	.005	.003	.09	.003	.000	.011	.010
%RSD	.3382	.3086	.0479	.2426	.1486	.2272	.1197	.0179	.5386	.4942
#1	2618	40.54	2.106	2.068	2.062	40.50	2.050	2.047	2.055	2.073
#2	2626	40.79	2.107	2.078	2.067	40.62	2.045	2.046	2.043	2.084
#3	2608	40.64	2.105	2.071	2.061	40.43	2.049	2.047	2.033	2.063

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.92	41.55	40.93	2.129	2.114	40.38	2.087	2.007	2.092	2.074
Stddev	.16	.16	.20	.003	.001	.11	.004	.007	.002	.004
%RSD	.3908	.3845	.4919	.1415	.0364	.2637	.1711	.3388	.0789	.1794
#1	39.97	41.57	40.97	2.132	2.114	40.34	2.090	2.012	2.094	2.071
#2	40.05	41.70	41.11	2.129	2.114	40.50	2.089	2.009	2.091	2.072
#3	39.75	41.38	40.71	2.126	2.115	40.29	2.083	1.999	2.091	2.078

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.232	2.137	2.114	2.111	2.035	2.066	2.053
Stddev	.004	.003	.003	.004	.007	.004	.002
%RSD	.1798	.1412	.1572	.2126	.3672	.1830	.0745
#1	2.231	2.141	2.113	2.112	2.043	2.067	2.055
#2	2.230	2.136	2.118	2.114	2.029	2.062	2.052
#3	2.237	2.135	2.112	2.106	2.032	2.070	2.053

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass Value Range

7.1
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Sample Name: CCV Acquired: 11/29/2016 8:58:01 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2099.0	6528.4	42459.	3831.1
Stddev	3.3	7.0	174.	24.6
%RSD	.15836	.10779	.40941	.64262
#1	2095.2	6527.4	42278.	3820.8
#2	2100.5	6535.9	42476.	3813.4
#3	2101.3	6521.9	42624.	3859.2

Sample Name: CCB Acquired: 11/29/2016 9:06:53 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0035	.0001	.0003	.0004	.0056	.0001	.0002	.0003	.0006
Stddev	.0002	.0093	.0002	.0002	.0001	.0022	.0001	.0002	.0001	.0001
%RSD	113.3	266.0	154.9	76.05	21.31	39.81	42.75	105.4	43.73	21.43
#1	.0005	-.0040	.0003	.0005	.0003	.0070	.0002	.0003	.0004	.0004
#2	.0002	.0140	.0002	.0003	.0004	.0067	.0002	.0002	.0002	.0006
#3	.0000	.0006	-.0001	.0001	.0003	.0030	.0001	.0000	.0003	.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass High Limit Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0080	.0383	.0129	.0003	.0001	.0364	.0001	.0003	.0000	.0004
Stddev	.0007	.0206	.0154	.0000	.0000	.0086	.0000	.0004	.0012	.0008
%RSD	8.166	53.90	120.1	8.242	42.26	23.61	24.52	120.3	5085.	203.5
#1	.0079	.0621	.0304	.0003	.0001	.0324	.0001	.0000	-.0013	.0004
#2	.0087	.0253	.0014	.0002	.0001	.0462	.0001	.0007	.0006	.0012
#3	.0074	.0275	.0068	.0003	.0001	.0305	.0001	.0002	.0008	-.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass High Limit Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0001	.0003	.0003	.0004	.0005	.0000
Stddev	.0002	.0001	.0001	.0001	.0005	.0001	.0001
%RSD	275.7	99.54	31.82	29.77	141.5	31.34	1172.
#1	.0001	.0001	.0004	.0003	-.0002	.0005	.0001
#2	-.0004	.0000	.0002	.0002	.0005	.0003	.0000
#3	.0000	.0003	.0002	.0002	.0008	.0006	-.0001

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass High Limit Low Limit

Sample Name: CCB Acquired: 11/29/2016 9:06:53 Type: QC
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Int. Std. Units, In2306 Cts/S, Y_2243 Cts/S, Y_3600 Cts/S, Y_3710 Cts/S. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Sample Name: MP31223-MB1 Acquired: 11/29/2016 9:10:45 Type: QC
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem Units, Ag3280 ppm, Al3961 ppm, As1890 ppm, Ba4554 ppm, Be3130 ppm, Ca3179 ppm, Cd2265 ppm, Co2286 ppm, Cr2677 ppm, Cu3247 ppm. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

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Sample Name: MP31223-MB1 Acquired: 11/29/2016 9:10:45 Type: QC
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Int. Std. Units, In2306 Cts/S, Y_2243 Cts/S, Y_3600 Cts/S, Y_3710 Cts/S. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Sample Name: MP31223-B1 Acquired: 11/29/2016 9:14:58 Type: QC
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem Units, Ag3280 ppm, Al3961 ppm, As1890 ppm, Ba4554 ppm, Be3130 ppm, Ca3179 ppm, Cd2265 ppm, Co2286 ppm, Cr2677 ppm, Cu3247 ppm. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Sample Name: MP31223-B1 Acquired: 11/29/2016 9:14:58 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2141.2	6487.1	4258.3	3749.7
Stddev	2.8	5.5	51.	31.7
%RSD	.13010	.08472	.11886	.84501

#1	2138.0	6488.2	4257.3	3735.9
#2	2143.1	6481.2	4263.8	3727.2
#3	2142.4	6492.0	4253.8	3785.9

Sample Name: TC94887-1F Acquired: 11/29/2016 9:18:54 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.0027	.0017	.1105	-.0001	94.61	.0001	.0023	.0013
Stddev	.001	.0035	.0008	.0004	.0001	.22	.0001	.0001	.0002
%RSD	344.0	128.6	49.72	4.037	121.8	.2327	117.9	6.247	11.79

#1	-.0004	.0030	.0021	.1109	-.0000	94.83	.0001	.0022	.0011
#2	-.0007	-.0009	.0022	.1100	-.0001	94.39	.0001	.0024	.0013
#3	-.0003	.0060	.0007	.1106	-.0001	94.62	.0000	.0024	.0014

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0001	1.315	1.221	46.65	2.889	.0018	F82.68	.0014	-.0017
Stddev	.0001	.014	.026	.15	.011	.0001	.23	.0002	.0004
%RSD	53.83	1.089	2.108	.3208	.3777	6.123	.2760	16.61	22.47

#1	-.0001	1.331	1.203	46.74	2.902	.0019	82.87	.0015	-.0020
#2	-.0001	1.304	1.209	46.48	2.884	.0018	82.43	.0015	-.0012
#3	-.0002	1.310	1.250	46.74	2.881	.0017	82.75	.0011	-.0018

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0022	.0011	5.081	.0001	.5322	.0012	.0002	.0019	.0033
Stddev	.0004	.0018	.011	.0002	.0020	.0001	.0008	.0002	.0000
%RSD	18.07	169.9	.2228	150.1	.3691	10.43	509.6	9.597	1.183

#1	-.0024	-.0008	5.069	.0001	.5337	.0014	.0002	.0017	.0034
#2	-.0018	.0028	5.082	.0000	.5300	.0012	-.0007	.0020	.0033
#3	-.0025	.0013	5.092	.0004	.5329	.0011	.0009	.0020	.0033

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2093.9	6303.4	41795.	3755.5
Stddev	1.9	10.1	217.	8.4
%RSD	.09139	.16028	.52036	.22475

#1	2095.7	6305.6	41560.	3748.0
#2	2091.9	6292.4	41833.	3764.6
#3	2093.9	6312.2	41990.	3753.7

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Sample Name: MP31223-D1 Acquired: 11/29/2016 9:23:13 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0001	-.0030	.0016	.1106	-.0001	95.16	.0001	.0024	.0011
Stddev	.0002	.0060	.0006	.0004	.0001	.08	.0000	.0001	.0002
%RSD	174.7	199.6	37.28	.3683	53.60	.0839	21.79	3.789	17.12

#1	.0000	.0036	.0022	.1107	-.0002	95.08	.0001	.0025	.0010
#2	.0000	-.0045	.0012	.1109	-.0001	95.24	.0001	.0023	.0010
#3	.0004	-.0082	.0012	.1101	-.0001	95.17	.0001	.0023	.0013

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0004	1.319	1.171	47.02	2.914	.0016	F82.64	.0015	-.0018
Stddev	.0003	.007	.015	.11	.024	.0001	.05	.0002	.0006
%RSD	74.49	.5584	1.311	.2316	.8157	4.412	.0599	12.88	31.47

#1	-.0002	1.312	1.162	46.97	2.941	.0017	82.60	.0015	-.0015
#2	-.0002	1.327	1.188	46.94	2.906	.0016	82.69	.0017	-.0025
#3	-.0007	1.318	1.162	47.14	2.895	.0015	82.63	.0014	-.0015

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0008	.0012	5.101	.0001	.5337	.0012	.0005	.0019	.0028
Stddev	.0004	.0023	.007	.0004	.0011	.0000	.0008	.0002	.0000
%RSD	49.87	189.2	.1333	490.3	.2136	2.070	150.3	10.84	.9109

#1	-.0012	.0008	5.108	-.0003	.5329	.0012	.0002	.0017	.0028
#2	-.0004	.0037	5.101	.0005	.5350	.0012	.0014	.0021	.0029
#3	-.0009	-.0009	5.094	.0000	.5332	.0012	-.0001	.0021	.0028

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2093.9	6288.7	41610.	3708.7
Stddev	2.7	1.9	201.	13.1
%RSD	.13002	.03096	.48187	.35202

#1	2093.5	6290.9	41378.	3697.0
#2	2096.8	6287.7	41728.	3722.8
#3	2091.4	6287.4	41724.	3706.4

Sample Name: MP31223-SD1 Acquired: 11/29/2016 9:27:30 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0000	-.0280	-.0011	.1045	-.0003	91.40	.0002	.0017	.0007	.0001
Stddev	.0018	.0363	.0007	.0002	.0005	.10	.0003	.0003	.0013	.0024
%RSD	1258.0	129.9	63.37	.2227	167.6	.1123	120.3	14.67	170.9	2827.

#1	-.0005	-.0639	-.0009	.1043	-.0002	91.31	-.0001	.0015	.0015	-.0026
#2	-.0015	.0087	-.0005	.1048	.0001	91.51	.0003	.0017	.0014	.0009
#3	-.0020	-.0287	-.0019	.1045	-.0008	91.38	.0005	.0020	-.0007	.0020

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	1.237	1.211	45.10	2.831	-.0013	79.64	.0011	-.0014	-.0059	.0092
Stddev	.009	.059	.35	.005	.0004	.18	.0020	.0018	.0036	.0043
%RSD	.7432	4.883	.7811	.1820	26.78	.2274	183.8	129.5	61.65	46.78

#1	1.242	1.175	44.70	2.832	-.0010	79.49	.0014	.0007	-.0018	.0130
#2	1.243	1.279	45.38	2.825	-.0013	79.84	-.0010	-.0026	-.0074	.0045
#3	1.227	1.178	45.21	2.835	-.0017	79.59	.0030	-.0024	-.0085	.0101

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	4.790	-.0017	.5062	.0023	-.0011	.0032	.0178
Stddev	.005	.0009	.0014	.0003	.0021	.0017	.0003
%RSD	.1011	57.41	.2797	12.75	195.4	51.23	1.450

#1	4.791	-.0006	.5054	.0024	.0009	.0044	.0178
#2	4.785	-.0022	.5079	.0025	-.0008	.0040	.0181
#3	4.794	-.0022	.5055	.0019	-.0033	.0013	.0176

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2307.2	6716.4	44527.	3848.2
Stddev	4.7	8.7	201.	47.4
%RSD	.20426	.12918	.45231	1.2308

#1	2311.5	6711.4	44681.	3892.7
#2	2302.1	6711.3	44600.	3853.3
#3	2307.9	6726.4	44299.	3798.4

Sample Name: MP31223-PS1 Acquired: 11/29/2016 9:31:40 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0497	2.858	.1206	.4066	.0576	98.36	.0558	.0580	.0567
Stddev	.0004	.020	.0005	.0007	.0002	.14	.0001	.0002	.0003
%RSD	.7137	.7079	.4340	.1634	.4110	.1449	.1288	.2992	.5684
#1	.0495	2.863	.1201	.4072	.0578	98.39	.0558	.0579	.0570
#2	.0501	2.875	.1207	.4059	.0574	98.49	.0558	.0581	.0564
#3	.0494	2.835	.1211	.4067	.0574	98.21	.0559	.0578	.0566
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3600)
Avg	.1137	4.727	12.73	51.45	2.849	.1167	F91.32	.1140	.0518
Stddev	.0002	.009	.04	.21	.011	.0004	.35	.0003	.0008
%RSD	.1933	.1953	.3207	.4064	.3825	.3567	.3833	.3046	1.584
#1	.1138	4.738	12.70	51.27	2.843	.1164	91.68	.1144	.0511
#2	.1138	4.723	12.72	51.68	2.862	.1164	91.29	.1137	.0516
#3	.1134	4.721	12.78	51.41	2.843	.1171	90.98	.1139	.0527
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1199	.1161	4.977	.0549	.5763	.1146	.0556	.2867	.5370
Stddev	.0008	.0010	.005	.0001	.0016	.0003	.0009	.0001	.0002
%RSD	.6786	.8630	.1050	.1978	.2708	.2496	.8711	.2228	.0671
#1	.1208	.1168	4.971	.0548	.5781	.1148	.1087	.0558	.2866
#2	.1196	.1150	4.979	.0548	.5757	.1145	.1079	.0556	.2866
#3	.1193	.1167	4.981	.0550	.5752	.1143	.1068	.0555	.2870
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2065.0	6307.6	41952.	3720.8					
Stddev	6.2	3.5	133.	20.7					
%RSD	.29850	.05520	.31686	.55730					
#1	2059.4	6305.6	42088.	3741.1					
#2	2071.6	6311.6	41945.	3699.7					
#3	2063.9	6305.6	41822.	3721.6					

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Sample Name: MP31223-S1 Acquired: 11/29/2016 9:35:49 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0516	30.61	2.252	2.413	.0572	123.5	.0537	.5368	.2127
Stddev	.0008	.10	.010	.006	.0001	.3	.0001	.0010	.0020
%RSD	1.619	.3317	.4334	.2662	.2056	.2758	.1981	.1883	.9542
#1	.0507	30.66	2.243	2.415	.0573	123.7	.0537	.5361	.2104
#2	.0519	30.68	2.250	2.419	.0572	123.7	.0536	.5365	.2140
#3	.0523	30.49	2.262	2.406	.0571	123.1	.0538	.5380	.2137
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2751	30.81	30.82	74.76	3.413	.5667	F109.3	.5506	.5371
Stddev	.0025	.11	.10	.23	.030	.0016	.4	.0017	.0007
%RSD	.8928	.3580	.3386	.3140	.8821	.2911	.3432	.3048	.1261
#1	.2728	30.82	30.91	74.92	3.392	.5649	109.5	.5491	.5376
#2	.2777	30.92	30.83	74.87	3.447	.5671	109.4	.5503	.5374
#3	.2750	30.70	30.71	74.49	3.398	.5682	108.8	.5524	.5363
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5630	2.228	5.108	.5543	1.101	.5567	2.152	.5198	.5370
Stddev	.0012	.009	.012	.0013	.004	.0023	.004	.0010	.0006
%RSD	.2207	.4006	.2268	.2395	.3437	.4147	.1943	.1920	.1141
#1	.5625	2.224	5.100	.5541	1.103	.5549	2.156	.5205	.5366
#2	.5620	2.221	5.103	.5531	1.104	.5593	2.154	.5187	.5367
#3	.5644	2.238	5.122	.5558	1.097	.5559	2.148	.5203	.5377
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1991.0	6317.2	41911.	3712.5					
Stddev	2.7	14.8	243.	8.4					
%RSD	.13639	.23422	.58027	.22537					
#1	1991.3	6333.6	42187.	3717.4					
#2	1988.2	6313.3	41728.	3702.9					
#3	1993.6	6304.8	41817.	3717.3					

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7.1
7

Sample Name: MP31223-S2 Acquired: 11/29/2016 9:39:53 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0527	31.09	2.264	2.435	.0578	127.4	.0540	.5398	.2165
Stddev	.0005	.09	.004	.009	.0002	.3	.0001	.0007	.0003
%RSD	.8665	.3040	.1874	.3639	.3983	.2454	.2572	.1371	.1225
#1	.0523	31.01	2.263	2.440	.0576	127.1	.0539	.5391	.2168
#2	.0532	31.19	2.260	2.424	.0581	127.8	.0541	.5399	.2166
#3	.0525	31.07	2.268	2.439	.0578	127.4	.0539	.5405	.2162
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2789	31.30	31.30	77.26	3.525	.5736	F112.3	.5551	.5394
Stddev	.0019	.02	.03	.41	.020	.0010	.2	.0022	.0008
%RSD	.6946	.0765	.0798	.5258	.5699	.1799	.2172	.3991	.1429
#1	.2771	31.28	31.33	76.88	3.526	.5728	112.2	.5535	.5393
#2	.2810	31.32	31.28	77.69	3.505	.5732	112.6	.5542	.5403
#3	.2785	31.31	31.30	77.23	3.545	.5747	112.2	.5576	.5387
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5676	2.245	5.282	.5605	1.130	.5667	2.164	.5214	.5398
Stddev	.0023	.004	.003	.0014	.002	.0008	.003	.0027	.0006
%RSD	.4107	.1900	.0570	.2474	.1804	.1426	.1488	.5255	.1160
#1	.5661	2.246	5.283	.5598	1.131	.5659	2.160	.5227	.5391
#2	.5664	2.241	5.278	.5596	1.132	.5675	2.167	.5183	.5401
#3	.5703	2.249	5.284	.5621	1.128	.5668	2.165	.5233	.5402
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1991.1	6315.9	41489.	3687.8					
Stddev	2.5	5.8	146.	7.0					
%RSD	.12777	.09256	.35093	.18996					
#1	1993.5	6321.8	41471.	3695.6					
#2	1988.4	6315.6	41643.	3682.1					
#3	1991.3	6310.1	41353.	3685.6					

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Sample Name: TC94954-2 Acquired: 11/29/2016 9:43:57 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0250	1045.	.3350	29.20	.0756	4456.	.0556	1.769	3.811	1.342
Stddev	.0018	.3	.0014	.02	.0002	31.	.0004	.002	.026	.012
%RSD	7.258	.2476	.4153	.0610	.2430	6973.	.6588	.1169	.6914	.8640
#1	.0262	1048.	.3353	29.22	.0757	4447.	.0554	1.767	3.837	1.350
#2	.0259	1043.	.3363	29.20	.0754	4490.	.0554	1.772	3.810	1.346
#3	.0229	1045.	.3335	29.19	.0756	4430.	.0561	1.769	3.785	1.329
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	2462.	94.32	371.3	****	.0513	295.4	4.505	6.068	-0.014	.1479
Stddev	.9	.22	1.1	----	.0011	1.0	.009	.024	.0039	.0186
%RSD	.3652	.2316	.3078	----	2.070	.3344	.1937	.4012	288.2	12.59
#1	2471.	94.57	371.8	----	.0523	296.3	4.507	6.049	-0.026	.1467
#2	2463.	94.24	372.2	----	.0514	294.4	4.495	6.095	.0030	.1300
#3										

Sample Name: TC94954-2F Acquired: 11/29/2016 9:48:10 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0247	689.4	.4837	22.92	.0458	2782.	.0216	1.069	2.518
Stddev	.0035	1.2	.0099	.03	.0002	42.	.0005	.002	.018
%RSD	14.32	.1795	2.055	.1291	.5151	1.509	2.473	.1600	.7312
#1	.0278	690.6	.4948	22.93	.0460	2790.	.0216	1.069	2.535
#2	.0256	688.2	.4758	22.89	.0459	2736.	.0221	1.067	2.498
#3	.0209	689.5	.4804	22.94	.0455	2819.	.0210	1.071	2.521

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.9850	2033.	75.83	259.4	F194.9	.0805	385.8	2.710	2.349
Stddev	.0077	6.	.44	2.2	.9	.0005	.7	.003	.010
%RSD	.7799	.2891	.5752	.8643	.4851	.5765	.1847	.1092	.4098
#1	.9934	2037.	76.33	261.6	195.9	.0810	386.6	2.712	2.339
#2	.9783	2026.	75.53	257.1	194.0	.0805	385.2	2.712	2.359
#3	.9834	2035.	75.62	259.5	194.8	.0801	385.5	2.707	2.349

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0033	-.0223	93.98	.0297	2.970	.4171	.2381	1.143	5.284
Stddev	.0089	.0073	.74	.0006	.003	.0141	.0059	.002	.001
%RSD	274.9	32.49	.7918	2.118	.1105	3.386	2.478	.1910	.0148
#1	-.0065	-.0142	93.29	.0296	2.966	.4096	.2323	1.146	5.284
#2	.0053	-.0249	93.88	.0303	2.972	.4334	.2441	1.143	5.283
#3	.0110	-.0280	94.77	.0291	2.971	.4083	.2379	1.141	5.285

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2088.9	6512.4	42938.	3770.8
Stddev	4.3	2.7	144.	11.9
%RSD	.20806	.04085	.33541	.31512
#1	2083.9	6513.3	42886.	3762.3
#2	2091.0	6514.5	42828.	3784.4
#3	2091.8	6509.4	43101.	3765.8

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Sample Name: CCV Acquired: 11/29/2016 9:52:27 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2088.9	6512.4	42938.	3770.8
Stddev	4.3	2.7	144.	11.9
%RSD	.20806	.04085	.33541	.31512
#1	2083.9	6513.3	42886.	3762.3
#2	2091.0	6514.5	42828.	3784.4
#3	2091.8	6509.4	43101.	3765.8

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Sample Name: CCV Acquired: 11/29/2016 9:52:27 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2572	40.45	2.112	2.092	2.051	40.32	2.051	2.051	1.994	2.012
Stddev	.0011	.09	.003	.002	.004	.07	.003	.001	.008	.007
%RSD	.4161	.2226	.1632	.0846	.2022	.1805	.1246	.0661	.4099	.3393
#1	.2566	40.34	2.108	2.091	2.046	40.24	2.054	2.050	1.997	2.008
#2	.2585	40.49	2.115	2.091	2.053	40.36	2.049	2.052	2.000	2.020
#3	.2567	40.50	2.113	2.094	2.054	40.37	2.050	2.050	1.985	2.007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.97	41.87	40.70	2.101	2.127	40.04	2.099	2.021	2.097	2.078
Stddev	.09	.08	.17	.002	.005	.16	.002	.004	.007	.008
%RSD	.2357	.1854	.4141	.0876	.2309	4.100	.0998	.1915	.3242	.3700
#1	39.88	41.91	40.56	2.100	2.123	39.86	2.098	2.025	2.091	2.070
#2	39.95	41.91	40.67	2.103	2.125	40.17	2.102	2.017	2.096	2.078
#3	40.07	41.78	40.89	2.100	2.132	40.10	2.099	2.022	2.104	2.085

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.279	2.140	2.108	2.080	2.046	2.091	2.057
Stddev	.005	.001	.004	.003	.004	.003	.004
%RSD	.2017	.0656	.2144	.1626	.1887	.1349	.1931
#1	2.273	2.140	2.103	2.077	2.048	2.090	2.061
#2	2.280	2.140	2.112	2.083	2.042	2.094	2.057
#3	2.282	2.138	2.109	2.080	2.049	2.088	2.054

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Value Range

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Sample Name: CCB Acquired: 11/29/2016 9:56:22 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0102	.0002	.0002	.0003	.0089	.0001	.0000	.0002
Stddev	.0001	.0053	.0008	.0003	.0001	.0032	.0000	.000	.0002
%RSD	148.2	51.98	439.5	102.8	16.80	36.12	25.04	419.9	101.7
#1	-.0002	.0058	.0006	.0001	.0003	.0117	.0002	.0001	.0005
#2	.0000	.0087	.0006	.0005	.0004	.0054	.0001	.0000	.0000
#3	-.0001	.0161	-.0007	.0001	.0004	.0096	.0001	-.0002	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0175	.0042	.0017	.0006	F .0015	.0506	.0003	.0004
Stddev	.0001	.0044	.0315	.0187	.0000	.0004	.0032	.0000	.0008
%RSD	26.79	25.31	743.7	1117.	3.324	24.63	6.331	10.13	181.7
#1	.0004	.0225	-.0224	-.0006	.0006	.0019	.0511	.0003	.0000
#2	.0002	.0159	-.0039	.0214	.0006	.0016	.0534	.0003	.0014
#3	.0003	.0141	.0390	-.0158	.0006	.0011	.0471	.0003	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass

High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0013	.0094	.0000	.0002	.0005	.0008	.0004	.0000
Stddev	.0012	.0013	.0002	.000	.0000	.0000	.0006	.0002	.000
%RSD	523.6	96.59	2.202	3848.	14.71	4.244	73.51	51.99	80.14
#1	-.0004	.0027	.0095	-.0003	.0002	.0005	.0015	.0006	-.0001
#2	-.0014	.0003	.0096	.0003	.0002	.0005	.0007	.0002	.0000
#3	.0010	.0010	.0092	.0000	.0002	.0005	.0003	.0003	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

High Limit Low Limit

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Sample Name: CCB Acquired: 11/29/2016 9:56:22 Type: QC
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Int. Std., Units, Avg, Stddev, %RSD. Rows include Y_2243, Y_3600, Y_3710 and #1, #2, #3.

Sample Name: TC94954-4F Acquired: 11/29/2016 10:00:35 Type: Unk
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, IS Ref, Avg, Stddev, %RSD. Rows include Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677 and #1, #2, #3.

Sample Name: TC94954-5F Acquired: 11/29/2016 10:05:01 Type: Unk
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, IS Ref, Avg, Stddev, %RSD. Rows include Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677 and #1, #2, #3.

Sample Name: TC94954-6F Acquired: 11/29/2016 10:09:18 Type: Unk
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, IS Ref, Avg, Stddev, %RSD. Rows include Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677 and #1, #2, #3.

7.1

Sample Name: TC94954-7F Acquired: 11/29/2016 10:13:50 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.005	.0194	-0.0065	.0938	.0000	162.4	.0011	.0035
Stddev	.0001	.0096	.0057	.0005	.000	1.1	.0008	.0026
%RSD	25.81	49.64	87.13	.4808	870.5	.6895	68.70	76.27

#1	-0.004	.0257	-0.014	.0941	.0000	162.7	.0005	.0011
#2	-0.006	.0241	-0.0056	.0940	-0.001	163.4	.0009	.0030
#3	-0.004	.0083	-0.0126	.0933	.0000	161.2	.0020	.0063

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.0019	-0.005	.0117	5.366	150.1	.8798	.0030	27.20
Stddev	.0002	.0001	.0030	.058	1.5	.0019	.0031	.14
%RSD	8.526	24.52	25.52	1.085	.9923	.2182	103.1	.5260

#1	.0020	-0.005	.0147	5.429	149.8	.8816	-0.001	27.26
#2	.0018	-0.006	.0118	5.356	151.7	.8778	.0031	27.31
#3	.0018	-0.004	.0087	5.314	148.7	.8800	.0061	27.04

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.0052	.0108	.0068	.0249	15.73	.0088	.3819	.0027
Stddev	.0039	.0084	.0098	.0167	.10	.0080	.0026	.0000
%RSD	75.85	77.88	143.2	66.97	.6181	90.68	.6788	1.663

#1	.0015	.0020	.0004	.0114	15.82	.0015	.3833	.0027
#2	.0047	.0117	.0020	.0198	15.74	.0076	.3836	.0026
#3	.0093	.0187	.0180	.0435	15.63	.0174	.3790	.0027

Elem	Ti1908	V_2924	Zn2062
IS Ref	(In2306)	(Y_3600)	(Y_2243)
Avg	F-.0333	.0036	.0061
Stddev	.0218	.0002	.0032
%RSD	65.41	6.074	52.26

#1	-0.116	.0038	.0032
#2	-0.0330	.0035	.0055
#3	-0.0552	.0034	.0095

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Sample Name: TC94954-7F Acquired: 11/29/2016 10:13:50 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1871.4	5891.2	40685.	3605.6
Stddev	29.7	51.5	439.	50.7
%RSD	1.5865	.87429	1.0791	1.4054

#1	1904.8	5948.1	40964.	3623.1
#2	1861.5	5877.7	40911.	3548.4
#3	1848.0	5847.8	40179.	3645.1

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Sample Name: TC94954-8F Acquired: 11/29/2016 10:17:55 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Avg	-0.002	.0193	-0.0006	.0916	.0000	159.5	.0000	-0.004	.0017	-0.0005
Stddev	.0002	.0054	.0007	.0002	.0001	.8	.0000	.0001	.0002	.0004
%RSD	72.98	28.17	119.6	.1937	853.6	.4989	178.4	25.50	9.435	74.50

#1	-0.004	.0198	-0.0011	.0917	.0000	160.1	.0000	-0.003	.0017	-0.0010
#2	-0.001	.0245	.0002	.0914	.0001	159.9	.0001	-0.005	.0019	-0.0003
#3	-0.002	.0136	-0.0008	.0917	.0000	158.6	.0000	-0.003	.0016	-0.0003

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0065	5.169	146.2	.9108	-0.014	26.63	.0000	-0.023	-0.009	.0013
Stddev	.0019	.036	.7	.0020	.0002	.14	.000	.0012	.0003	.0010
%RSD	29.82	.6924	.4696	.2149	11.32	.5133	485.1	51.48	36.10	72.63

#1	.0058	5.209	146.5	.9094	-0.015	26.75	-0.002	-0.026	-0.006	.0002
#2	.0050	5.141	146.6	.9130	-0.013	26.66	.0002	-0.010	-0.008	.0016
#3	.0087	5.156	145.4	.9098	-0.015	26.48	-0.001	-0.034	-0.013	.0021

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	15.70	.0001	.3762	.0026	-0.010	.0035	.0015
Stddev	.05	.0001	.0022	.0001	.0006	.0002	.0000
%RSD	.2911	130.1	.5821	4.154	60.05	6.742	2.356

#1	15.66	.0002	.3780	.0026	-0.017	.0033	.0014
#2	15.70	.0001	.3768	.0025	-0.008	.0034	.0015
#3	15.75	.0000	.3737	.0027	-0.006	.0037	.0014

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2062.1	6272.0	41279.	3640.4
Stddev	9.0	12.4	64.	7.2
%RSD	.43763	.19835	.15512	.19682

#1	2052.6	6260.4	41334.	3641.9
#2	2063.3	6285.1	41296.	3632.7
#3	2070.5	6270.3	41209.	3646.8

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Sample Name: TC94954-9F Acquired: 11/29/2016 10:22:04 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Avg	.0044	537.7	.0560	.0140	.0356	453.6	.0105	.1557	.6483	.0924
Stddev	.0016	.5	.0048	.0006	.0006	.8	.0002	.0009	.0050	.0002
%RSD	35.65	.0881	8.498	4.291	1.601	.1761	1.804	.6085	.7675	.2541

#1	.0059	538.1	.0607	.0142	.0353	454.4	.0105	.1558	.6433	.0927
#2	.0028	537.2	.0512	.0133	.0353	452.8	.0106	.1547	.6533	.0923
#3	.0046	537.9	.0561	.0144	.0363	453.5	.0103	.1565	.6484	.0923

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	387.3	69.09	150.5	10.74	.0002	82.19	.5667	.1040	-0.0093	-0.0074
Stddev	1.5	.14	1.0	.03	.0008	.19	.0015	.0010	.0037	.0030
%RSD	.3924	.2047	.6556	.2432	410.6	.2314	.2622	.9617	39.89	40.76

#1	389.1	69.25	151.6	10.71	-0.003	82.37	.5670	.1051	-0.0080	-0.0095
#2	386.3	68.97	150.3	10.75	-0.002	81.99	.5651	.1038	-0.0136	-0.0086
#3	386.7	69.06	149.7	10.75	.0011	82.22	.5681	.1032	-0.0065	-0.0039

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	22.23	.0008	1.250	1.876	.0080	.4965	2.975
Stddev	.05	.0006	.003	.005	.0024	.0014	.004
%RSD	.2146	75.20	.2252	.2814	30.69	.2870	.1300

#1	22.24	.0001	1.253	1.870	.0065	.4972	2.977
#2	22.19	.0011	1.247	1.880	.0108	.4948	2.970
#3	22.28	.0013	1.249	1.880	.0066	.4974	2.976

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2146.1	7354.5	47823.	4211.1
Stddev	3.3	6.5	102.	11.9
%RSD	.15218	.08786	.21423	.28252

#1	2146.7	7353.4	47926.	4198.8
#2	2142.6	7361.4	47721.	4212.0
#3	2149.1	7348.6	47823.	4222.6

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7.1
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Sample Name: FA39021-1 Acquired: 11/29/2016 10:26:07 Type: Unk
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	7.543	.2435	.0395	.0001	743.7	.0002	.0025	.0106
Stddev	.0030	.060	.0046	.0008	.0003	2.6	.0002	.0002	.0011
%RSD	601.3	.7947	1.892	1.909	606.4	.3555	119.5	8.359	10.77
#1	.0009	7.585	.2384	.0386	-.0003	746.5	.0002	.0027	.0117
#2	-.0039	7.474	.2448	.0399	.0001	741.3	.0003	.0026	.0105
#3	.0016	7.569	.2473	.0399	.0004	743.2	-.0001	.0023	.0094
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0031	5.963	35.01	200.2	.1381	.0646	F3164.	.0072	-.0121
Stddev	.0010	.048	.13	.4	.0011	.0002	20.	.0007	.0015
%RSD	31.68	.7987	.3692	.2179	.7689	.2328	.6234	9.318	12.41
#1	.0041	6.018	35.16	200.4	.1383	.0648	3164.	.0066	-.0110
#2	.0032	5.929	34.92	199.7	.1390	.0645	3183.	.0071	-.0138
#3	.0021	5.944	34.94	200.5	.1369	.0646	3144.	.0079	-.0115
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0068	.2463	10.65	-.0022	11.85	.1024	-.0024	.0667	.0374
Stddev	.0015	.0103	.03	.0022	.03	.0026	.0016	.0010	.0001
%RSD	22.03	4.169	.2633	96.24	2.794	2.575	66.54	1.518	.3347
#1	-.0075	.2391	10.65	-.0006	11.89	.1044	-.0024	.0677	.0376
#2	-.0050	.2581	10.63	-.0047	11.82	.0994	-.0041	.0667	.0373
#3	-.0077	.2418	10.68	-.0014	11.85	.1034	-.0008	.0657	.0374
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1853.0	5986.7	39018.	3648.2					
Stddev	4.4	10.0	263.	8.8					
%RSD	.23786	.16737	.67413	.24162					
#1	1857.9	5993.8	38997.	3643.6					
#2	1851.9	5991.0	38766.	3642.7					
#3	1849.3	5975.2	39291.	3658.4					

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Sample Name: FA39021-2 Acquired: 11/29/2016 10:30:21 Type: Unk
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0004	1.272	.0128	.0195	-.0004	691.7	.0003	.0000	.0021
Stddev	.0026	.0970	.0022	.0011	.0002	.7	.0003	.000	.0015
%RSD	737.9	76.24	17.13	5.408	55.45	.1002	112.3	1259.	70.28
#1	-.0002	.2087	.0142	.0183	-.0006	692.3	-.0001	.0002	.0015
#2	-.0020	.0199	.0103	.0198	-.0002	690.9	.0004	.0000	.0010
#3	.0032	.1530	.0139	.0204	-.0004	691.8	.0005	-.0002	.0038
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0005	.0727	27.57	257.2	.2542	.0891	F3037.	.0010	-.0132
Stddev	.0009	.0073	.28	.7	.0004	.0003	25.	.0013	.0003
%RSD	161.7	9.988	1.018	.2622	.1661	.3612	.8120	134.0	2.010
#1	.0003	.0734	27.41	257.6	.2538	.0892	3057.	.0022	-.0133
#2	-.0014	.0796	27.40	257.6	.2546	.0888	3009.	.0011	-.0129
#3	-.0005	.0652	27.89	256.4	.2542	.0894	3044.	-.0004	-.0134
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0116	.0119	3.051	-.0030	12.96	.0071	-.0046	.0279	.0133
Stddev	.0019	.0046	.005	.0015	.01	.0003	.0019	.0011	.0004
%RSD	16.49	38.92	.1617	50.76	.0632	3.645	39.89	3.991	2.697
#1	-.0096	.0110	3.051	-.0043	12.97	.0069	-.0055	.0288	.0129
#2	-.0134	.0168	3.047	-.0013	12.95	.0069	-.0025	.0267	.0136
#3	-.0117	.0077	3.057	-.0035	12.96	.0074	-.0059	.0281	.0134
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1854.4	5935.2	38455.	3636.5					
Stddev	1.5	3.5	21.	21.6					
%RSD	.08302	.05840	.05576	.59444					
#1	1853.4	5937.1	38432.	3613.7					
#2	1853.7	5937.2	38474.	3639.0					
#3	1856.2	5931.2	38459.	3656.7					

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7.1
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Sample Name: FA39021-3 Acquired: 11/29/2016 10:34:39 Type: Unk
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0006	.2047	.0372	.0106	-.0004	519.3	.0004	-.0004	.0014
Stddev	.0024	.0163	.0011	.0014	.0007	2.1	.0001	.0004	.0013
%RSD	374.8	7.967	2.871	12.91	150.9	4.060	30.72	96.06	88.90
#1	.0002	.1927	.0372	.0098	.0003	521.7	.0003	.0000	.0022
#2	.0012	.2233	.0383	.0122	-.0008	517.9	.0004	-.0005	.0000
#3	-.0033	.1981	.0361	.0098	-.0008	518.3	.0006	-.0008	.0020
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0007	.0935	20.00	66.36	.0095	.1751	F2745.	.0052	-.0079
Stddev	.0022	.0167	.04	.50	.0002	.0015	30.	.0008	.0021
%RSD	305.3	17.85	.2019	.7504	2.629	.8664	1.102	15.73	27.05
#1	.0006	.1121	20.01	66.92	.0092	.1734	2779.	.0043	-.0079
#2	-.0014	.0798	20.04	65.96	.0096	.1762	2734.	.0056	-.0101
#3	.0029	.0886	19.96	66.20	.0097	.1758	2722.	.0059	-.0058
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0076	.0270	2.689	-.0026	5.441	.0084	.0015	.0150	.0146
Stddev	.0034	.0106	.008	.0007	.024	.0005	.0031	.0008	.0000
%RSD	44.54	39.36	.3000	28.59	.4490	5.696	205.3	5.374	.1217
#1	-.0110	.0315	2.680	-.0021	5.469	.0090	.0014	.0148	.0146
#2	-.0076	.0149	2.696	-.0035	5.429	.0082	.0047	.0158	.0146
#3	-.0042	.0346	2.691	-.0023	5.424	.0081	-.0015	.0143	.0146
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1893.7	6016.5	38942.	3650.8					
Stddev	.8	7.9	152.	17.1					
%RSD	.03978	.13128	.39144	.46864					
#1	1892.8	6025.6	38908.	3632.1					
#2	1894.1	6012.4	38909.	3665.5					
#3	1894.1	6011.5	39108.	3654.9					

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Sample Name: FA39021-4 Acquired: 11/29/2016 10:38:58 Type: Unk
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0009	.3162	.0020	.0170	.0002	849.6	.0006	-.0004	.0023
Stddev	.0004	.0405	.0024	.0008	.0007	2.4	.0004	.0006	.0006
%RSD	41.63	12.80	119.6	4.673	348.0	.2775	73.40	145.5	25.34
#1	.0014	.3531	.0007	.0165	.0009	849.4	.0003	-.0007	.0017
#2	.0006	.2729	.0006	.0166	-.0005	852.1	.0011	.0003	.0025
#3	.0008	.3227	.0048	.0179	.0003	847.4	.0004	-.0009	.0028
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0002	.1000	38.69	182.1	.0253	.1626	F3727.	-.0005	-.0126
Stddev	.0011	.0115	.42	.2	.0003	.0002	51.	.0013	.0027
%RSD	473.7	11.56	1.090	.1283	1.307	.1014	1.379	270.5	21.43
#1	.0007	.0873	38.28	182.1	.0255	.1628	3757.	-.0019	-.0111
#2	-.0014	.1099	38.66	182.3	.0249	.1625	3756.	.0006	-.0157
#3	.0000	.1027	39.12	181.9	.0255	.1625	3668.	-.0001	-.0110
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0043	.1428	2.531	-.0024	14.				

Sample Name: CCV Acquired: 11/29/2016 10:43:16 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2589	40.68	2.115	2.108	2.052	40.56	2.066	2.063	2.016	2.037
Stddev	.0002	.12	.009	.003	.004	.07	.003	.001	.009	.003
%RSD	.0787	.2954	.4420	.1335	.2007	.1724	.1588	.0660	.4223	.1345
#1	2588	40.54	2.123	2.105	2.047	40.49	2.066	2.064	2.011	2.040
#2	2592	40.75	2.117	2.108	2.055	40.63	2.070	2.064	2.010	2.037
#3	2588	40.74	2.105	2.111	2.053	40.55	2.063	2.062	2.025	2.034

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.90	41.72	40.73	2.108	2.149	38.44	2.098	2.036	2.109	2.092
Stddev	.11	.15	.23	.006	.002	.21	.005	.002	.001	.002
%RSD	.2709	.3707	.5663	.2880	.0705	.5532	.2256	.0767	.0290	.1023
#1	39.80	41.56	40.52	2.105	2.148	38.20	2.102	2.034	2.109	2.093
#2	40.01	41.87	40.97	2.105	2.151	38.52	2.099	2.036	2.109	2.094
#3	39.89	41.72	40.70	2.115	2.149	38.61	2.093	2.037	2.108	2.090

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.257	2.141	2.119	2.093	2.073	2.085	2.073
Stddev	.003	.006	.005	.004	.004	.003	.005
%RSD	.1091	.2711	.2161	.1694	.2012	.1525	.2341
#1	2.257	2.147	2.114	2.092	2.069	2.081	2.076
#2	2.259	2.141	2.121	2.090	2.074	2.087	2.075
#3	2.254	2.135	2.123	2.097	2.077	2.087	2.067

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 11/29/2016 10:43:16 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2072.0	6473.3	42728.	3685.0
Stddev	2.1	18.2	223.	20.6
%RSD	.10029	.28083	.52210	.55884
#1	2071.9	6460.8	42903.	3699.1
#2	2070.0	6464.9	42806.	3661.4
#3	2074.2	6494.1	42477.	3694.6

Sample Name: CCB Acquired: 11/29/2016 10:47:12 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0005	.0002	.0002	.0002	.0025	.0001	.0001	.0001
Stddev	.0001	.0138	.0005	.0002	.0000	.0024	.0000	.0001	.0003
%RSD	13240.	2760.	192.6	125.1	2.887	96.10	7.199	122.8	272.0
#1	.0000	-.0056	.0004	-.0001	.0002	.0018	.0001	.0001	-.0001
#2	.0001	-.0092	.0006	.0003	.0002	.0052	.0001	.0000	.0004
#3	-.0001	.0162	-.0003	.0004	.0002	.0006	.0001	.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0126	-.0097	.0112	.0002	F .0015	.1865	.0001	.0003
Stddev	.0002	.0019	.0444	.0215	.0000	.0005	.0098	.0000	.0008
%RSD	78.24	15.32	455.7	191.8	27.79	33.13	5.247	34.65	252.1
#1	.0006	.0122	.0023	.0355	.0002	.0020	.1752	.0002	-.0006
#2	.0001	.0147	.0274	-.0052	.0002	.0014	.1922	.0001	.0007
#3	.0003	.0109	-.0589	.0033	.0001	.0010	.1922	.0001	.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0006	.0010	.0008	-.0001	.0002	.0004	.0011	.0004	-.0001
Stddev	.0006	.0014	.0001	.0002	.0001	.0001	.0005	.0002	.0001
%RSD	94.83	141.8	17.63	148.6	29.01	37.35	50.10	66.26	89.10
#1	-.0003	.0023	.0009	-.0002	.0002	.0005	.0011	.0004	.0000
#2	-.0013	.0009	.0008	.0001	.0001	.0003	.0005	.0006	-.0001
#3	-.0002	-.0004	.0006	-.0002	.0002	.0003	.0015	.0001	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 11/29/2016 10:47:12 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2357.8	6734.7	44852.	3726.7
Stddev	7.4	4.3	240.	27.1
%RSD	.31428	.06398	.53541	.72607
#1	2350.4	6729.9	44618.	3753.9
#2	2357.7	6738.3	44840.	3699.8
#3	2365.2	6736.0	45098.	3726.5

Sample Name: FA39021-5 Acquired: 11/29/2016 10:51:24 Type: Unk
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.0641	.0038	.0144	-.0001	771.1	.0005	-.0002	.0013
Stddev	.0006	.0817	.0037	.0005	.0001	3.5	.0002	.0002	.0006
%RSD	165.6	127.4	97.36	3.364	213.0	.4485	30.98	86.45	44.24
#1	.0002	.0844	.0012	.0140	.0000	772.6	.0005	-.0004	.0012
#2	-.0007	.1337	.0022	.0141	-.0002	773.5	.0007	-.0001	.0018
#3	.0006	-.0258	.0080	.0149	.0000	767.1	.0003	-.0001	.0007
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0004	.0298	34.18	254.9	.0060	.1240	F3663.	-.0010	-.0142
Stddev	.0008	.0136	.28	1.7	.0002	.0005	.94	.0004	.0018
%RSD	188.3	45.64	.8316	.6749	3.134	.4227	2.558	38.22	12.35
#1	.0006	.0190	33.86	255.5	.0060	.1243	3740.	-.0014	-.0162
#2	.0012	.0253	34.40	256.3	.0058	.1244	3689.	-.0008	-.0131
#3	-.0004	.0450	34.27	253.0	.0062	.1234	3558.	-.0008	-.0133
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0102	.0893	3.040	-.0029	13.19	.0061	-.0074	.0024	.0128
Stddev	.0050	.0021	.003	.0014	.04	.0005	.0017	.0009	.0002
%RSD	49.00	2.353	.1058	.4795	.3139	8.456	22.71	36.13	1.89
#1	-.0125	.0912	3.038	-.0029	13.21	.0057	-.0080	.0014	.0128
#2	-.0045	.0870	3.038	-.0015	13.22	.0067	-.0055	.0029	.0127
#3	-.0136	.0897	3.043	-.0043	13.14	.0059	-.0086	.0029	.0130
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1747.3	5623.1	3637.1	3538.8					
Stddev	1.0	16.0	73.	27.1					
%RSD	.05823	.28497	.20035	.76568					
#1	1748.0	5605.5	36405.	3523.5					
#2	1746.2	5627.2	36288.	3522.8					
#3	1747.8	5636.7	36421.	3570.1					

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Sample Name: FA39021-6 Acquired: 11/29/2016 10:55:44 Type: Unk
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0011	.2956	.0783	.0149	-.0001	825.2	.0002	-.0004	.0116
Stddev	.0013	.0645	.0021	.0012	.0006	2.1	.0003	.0004	.0004
%RSD	120.8	21.84	2.720	7.808	536.5	.2602	152.6	96.20	3.410
#1	.0001	.2213	.0805	.0136	-.0005	825.8	.0003	-.0006	.0111
#2	.0006	.3381	.0782	.0159	.0006	826.9	-.0001	.0000	.0118
#3	.0026	.3274	.0762	.0153	-.0004	822.8	.0003	-.0006	.0118
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0002	.1515	40.90	253.4	.0079	.0564	F3109.	.0007	-.0116
Stddev	.0009	.0045	.14	1.5	.0001	.0003	.45	.0005	.0033
%RSD	468.9	3.001	.3540	.5817	1.016	.4834	1.442	66.76	28.68
#1	-.0009	.1528	40.74	253.3	.0078	.0561	3154.	.0012	-.0149
#2	.0009	.1552	41.01	254.9	.0079	.0566	3110.	.0003	-.0116
#3	.0006	.1464	40.96	252.0	.0080	.0565	3064.	.0007	-.0083
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0105	.3004	2.492	-.0032	13.63	.0089	-.0070	.0436	.0206
Stddev	.0036	.0098	.006	.0008	.03	.0004	.0041	.0014	.0002
%RSD	34.49	3.261	.2312	24.94	.2008	4.221	59.15	3.103	1.205
#1	-.0119	.3103	2.489	-.0023	13.61	.0088	-.0110	.0444	.0203
#2	-.0064	.3001	2.488	-.0035	13.66	.0094	-.0028	.0420	.0208
#3	-.0132	.2907	2.498	-.0038	13.62	.0086	-.0072	.0443	.0207
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1801.3	5758.9	37354.	3556.2					
Stddev	1.6	8.6	47.	26.1					
%RSD	.08824	.14952	.12561	.73526					
#1	1801.2	5767.0	37300.	3544.7					
#2	1799.7	5759.8	37386.	3537.7					
#3	1802.9	5749.9	37375.	3586.1					

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Sample Name: FA39021-7 Acquired: 11/29/2016 11:00:01 Type: Unk
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0005	3.263	.0138	.0226	-.0005	676.5	.0004	.0014	.0051
Stddev	.0025	.055	.0051	.0007	.0006	.4	.0002	.0003	.0009
%RSD	487.7	1.676	36.88	3.017	114.5	.0552	53.22	18.49	18.16
#1	.0024	3.284	.0157	.0219	-.0010	676.1	.0007	.0011	.0054
#2	-.0023	3.201	.0178	.0233	.0001	676.6	.0003	.0015	.0059
#3	-.0016	3.305	.0081	.0225	-.0005	676.8	.0003	.0015	.0041
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0029	2.298	31.39	356.1	.1043	.0557	F3209.	.0040	-.0128
Stddev	.0020	.002	.19	1.2	.0002	.0004	.40	.0004	.0010
%RSD	69.22	.0877	.6121	.3453	.1588	.7830	1.249	9.412	8.120
#1	.0051	2.296	31.22	356.9	.1042	.0557	3218.	.0039	-.0131
#2	.0010	2.299	31.60	354.7	.1045	.0561	3165.	.0037	-.0136
#3	.0028	2.300	31.37	356.7	.1042	.0552	3244.	.0044	-.0116
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0092	.1048	5.859	-.0040	11.34	.0542	-.0025	.0155	.0293
Stddev	.0021	.0076	.009	.0013	.04	.0049	.0022	.0006	.0002
%RSD	22.78	7.220	.1619	33.02	.3221	8.977	86.94	4.059	.7048
#1	-.0116	.1120	5.869	-.0047	11.31	.0529	-.0005	.0162	.0291
#2	-.0086	.0969	5.857	-.0025	11.38	.0501	-.0023	.0150	.0295
#3	-.0075	.1054	5.850	-.0048	11.33	.0596	-.0049	.0153	.0294
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1796.0	5792.1	37559.	3520.1					
Stddev	5.8	4.4	146.	19.5					
%RSD	.32277	.07671	.38832	.55373					
#1	1802.1	5794.7	37708.	3515.0					
#2	1790.6	5786.9	37417.	3541.6					
#3	1795.4	5794.5	37553.	3503.7					

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Sample Name: FA39021-8 Acquired: 11/29/2016 11:04:18 Type: Unk
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0003	2.829	.0032	.0226	-.0001	663.3	.0002	.0000	.0067
Stddev	.0012	.050	.0045	.0009	.0001	1.3	.0001	.0005	.0006
%RSD	456.8	1.753	137.4	3.965	125.5	.2011	63.50	5320.	8.905
#1	.0001	2.773	.0019	.0235	-.0001	662.3	.0001	.0006	.0071
#2	-.0016	2.867	-.0004	.0225	-.0000	662.7	.0004	-.0001	.0069
#3	.0007	2.847	.0082	.0218	-.0003	664.8	.0002	-.0004	.0060
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0017	1.986	29.13	287.6	.0345	.0569	F2467.	.0025	-.0134
Stddev	.0013	.010	.18	2.7	.0004	.0008	.22	.0004	.0002
%RSD	76.59	.4981	.6051	.9499	1.213	1.428	.8970	15.74	1.837
#1	.0027	1.986	28.96	284.5	.0346	.0567	2450.	.0024	-.0135
#2	.0002	1.976	29.11	288.8	.0348	.0578	2459.	.0030	-.0131
#3	.0021	1.995	29.31	289.5	.0340	.0562	2492.	.0023	-.0135
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)							

Sample Name: FA39021-9 Acquired: 11/29/2016 11:08:36 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	.0084	.0093	.0140	.0000	777.4	.0002	-.0012	.0028
Stddev	.0001	.0265	.0020	.0009	.0007	2.7	.0003	.0002	.0010
%RSD	76.32	315.3	21.93	6.710	2159.	.3416	191.4	17.35	37.29
#1	.0000	.0236	.0115	.0132	-.0002	779.0	.0001	-.0010	.0037
#2	-.0002	-.0222	.0075	.0138	.0008	778.9	.0005	-.0015	.0029
#3	-.0003	.0239	.0089	.0150	-.0005	774.4	-.0001	-.0012	.0017
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0005	.0237	29.99	172.8	.0242	.0998	F3361.	-.0001	-.0135
Stddev	.0016	.0222	.33	.2	.0002	.0006	.29	.0003	.0025
%RSD	340.4	93.50	1.108	.1432	.9422	.6056	.8757	408.9	18.63
#1	-.0005	.0458	29.69	172.8	.0241	.0997	3395.	-.0004	-.0142
#2	-.0023	.0014	29.95	173.1	.0244	.1004	3340.	-.0001	-.0156
#3	-.0004	.0239	30.35	172.6	.0240	.0992	3348.	.0003	-.0107
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-.0062	.2405	2.467	-.0034	11.54	.0065	-.0041	.0052	.0160
Stddev	.0032	.0076	.006	.0020	.02	.0000	.0066	.0015	.0001
%RSD	50.57	3.166	.2587	.5920	.1678	.3526	162.0	29.04	8735
#1	-.0099	.2469	2.465	-.0016	11.55	.0065	-.0108	.0037	.0158
#2	-.0044	.2424	2.462	-.0030	11.54	.0065	-.0039	.0053	.0159
#3	-.0045	.2321	2.474	-.0055	11.52	.0065	.0024	.0067	.0161
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1767.3	5649.0	36630.	3478.7					
Stddev	3.2	13.1	68.	8.8					
%RSD	.18331	.23175	.18614	.25436					
#1	1763.6	5649.8	36688.	3471.8					
#2	1769.3	5661.7	36648.	3475.6					
#3	1769.0	5635.6	36555.	3488.7					

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Sample Name: FA39021-10 Acquired: 11/29/2016 11:12:56 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0004	-.0469	-.0011	.0004	.0000	.5577	-.0002	-.0006	-.0004	-.0013
Stddev	.0020	.0176	.0014	.0009	.0002	.0044	.0002	.0005	.0013	.0002
%RSD	496.0	37.46	121.2	247.8	642.7	.7810	118.9	79.97	317.4	12.31
#1	.0019	-.0609	-.0011	-.0001	-.0002	.5531	.0000	-.0004	-.0007	-.0012
#2	-.0014	-.0525	-.0025	-.0002	.0002	.5618	-.0001	-.0003	.0010	-.0015
#3	-.0016	-.0272	.0003	.0014	.0000	.5582	-.0004	-.0011	-.0016	-.0012
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	-.0124	.1087	.1257	-.0001	-.0024	2.963	.0004	.0006	-.0022	-.0010
Stddev	.0079	.0718	.0880	.0001	.0004	.127	.0005	.0013	.0043	.0034
%RSD	63.57	66.05	70.05	47.65	18.47	4.287	115.8	209.1	197.6	356.5
#1	-.0033	.0909	.0329	-.0001	-.0029	3.065	.0006	-.0005	-.0010	-.0013
#2	-.0162	.0475	.2081	-.0002	-.0020	3.004	.0008	.0004	-.0070	.0026
#3	-.0176	.1877	.1360	-.0001	-.0024	2.821	-.0001	.0021	.0014	-.0042
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	.0154	-.0017	.0092	-.0008	-.0003	.0005	.0227			
Stddev	.0009	.0012	.0003	.0002	.0048	.0015	.0002			
%RSD	5.927	71.92	3.301	23.33	1728.	282.0	.9420			
#1	.0147	-.0016	.0092	-.0007	.0025	.0008	.0226			
#2	.0150	-.0030	.0095	-.0010	.0024	.0018	.0225			
#3	.0164	-.0005	.0089	-.0006	-.0058	-.0011	.0229			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2370.8	6787.1	45209.	3741.3						
Stddev	2.1	8.8	255.	27.9						
%RSD	.08783	.12983	.56480	.74540						
#1	2370.1	6783.2	45462.	3709.2						
#2	2369.1	6780.9	45213.	3759.3						
#3	2373.1	6797.2	44952.	3755.6						

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Sample Name: FA38936-1 Acquired: 11/29/2016 11:17:11 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0037	11.28	.0007	.0627	.0002	1537.	.0001	.0003	.0264	.0056
Stddev	.0024	.18	.0046	.0026	.0003	8.	.0001	.0011	.0001	.0031
%RSD	65.66	1.593	664.5	4.083	125.5	4910	65.53	346.9	.5665	55.77
#1	-.0061	11.22	.0049	.0657	.0006	1528.	.0002	.0010	.0264	.0089
#2	-.0037	11.49	-.0042	.0617	.0000	1543.	.0001	.0009	.0262	.0026
#3	-.0012	11.15	.0013	.0609	.0002	1539.	.0001	-.0009	.0265	.0054
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	6.012	3.697	12.66	.2351	-.0153	40.91	.0039	-.0088	-.0221	.0238
Stddev	.032	.138	.16	.0004	.0004	.15	.0011	.0057	.0067	.0123
%RSD	.5364	3.738	1.300	.1492	2.330	.3649	27.48	64.70	30.09	51.89
#1	5.977	3.844	12.84	.2352	-.0156	40.74	.0048	-.0031	-.0297	.0323
#2	6.040	3.569	12.60	.2347	-.0149	40.94	.0027	-.0145	-.0195	.0294
#3	6.019	3.678	12.53	.2354	-.0154	41.04	.0041	-.0088	-.0172	.0096
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	7.090	-.0032	24.19	.1397	.0001	.0083	.0427			
Stddev	.008	.0004	.09	.0013	.0029	.0009	.0005			
%RSD	.1138	12.55	.3651	.9345	2412.	10.87	1.247			
#1	7.082	-.0033	24.11	.1393	.0011	.0093	.0433			
#2	7.090	-.0035	24.18	.1412	.0024	.0079	.0426			
#3	7.099	-.0027	24.28	.1387	-.0031	.0076	.0423			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2159.0	6434.0	42906.	3652.3						
Stddev	3.4	11.6	67.	67.1						
%RSD	.15516	.18015	.15543	1.8371						
#1	2155.9	6429.7	42876.	3726.3						
#2	2158.5	6425.2	42982.	3595.4						
#3	2162.6	6447.1	42859.	3635.1						

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Sample Name: FA38936-2 Acquired: 11/29/2016 11:21:20 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0001	7.080	.0049	.0708	-.0014	2311.	-.0001	.0007	.0253	-.0022
Stddev	.0028	.124	.0043	.0017	.0006	11.	.0001	.0008	.0007	.0016
%RSD	2036.	1.747	88.81	2.446	45.73	4.619	110.1	2.862	69.93	
#1	.0000	6.961	.0081	.0706	-.0007	2299.	-.0002	.0014	.0245	-.0037
#2	-.0026	7.208	.0000	.0692	-.0019	2316.	-.0001	.0008	.0254	-.0025
#3	-.0030	7.071	.0065	.0726	-.0015	2318.	-.0001	-.0001	.0259	-.0006
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	3.614	2.923	13.63	.2322	-.0153	29.48	.0039	-.0073	-.0133	-.0023
Stddev	.074	.296	.44	.0003	.0008	.06	.0016	.0030	.0070	.0059
%RSD	2.059	10.13	3.263	.1327	5.172	.2139	40.32	41.42	53.12	258.9
#1	3.572	2.842	13.13	.2325	-.0158	29.54	.0056	-.0097	-.0178	-.0058
#2	3.571	2.677	13.99	.2319	-.0158	29.41	.0025	-.0083	-.0169	-.0057
#3	3.700	3.252	13.75	.2323	-.0144					

Sample Name: FA38936-3 Acquired: 11/29/2016 11:25:29 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.015	64.71	.0117	.1488	.0018	1997.	-0.002	.0043	.1223	.0045
Stddev	.0032	.16	.0045	.0029	.0005	3.	.0003	.0009	.0013	.0022
%RSD	209.6	.2544	38.69	1.974	26.28	.1728	136.3	21.67	1.036	48.89
#1	.0021	64.69	.0170	.1489	.0017	2001.	-.0003	.0052	.1216	.0023
#2	-.0028	64.89	.0096	.1517	.0023	1994.	-.0004	.0034	.1237	.0044
#3	-.0040	64.56	.0087	.1459	.0014	1998.	.0001	.0044	.1215	.0067
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	41.96	6.419	20.32	.2924	-.0133	22.92	.0293	.0074	-.0106	-.0004
Stddev	.14	.256	.26	.0009	.0012	.03	.0012	.0090	.0060	.0105
%RSD	.3360	3.992	1.270	.3050	8.953	.1359	4.070	122.1	57.07	2771.
#1	42.05	6.700	20.59	.2913	-.0146	22.90	.0307	.0003	-.0089	-.0033
#2	41.80	6.199	20.30	.2929	-.0123	22.95	.0286	.0043	-.0173	.0112
#3	42.03	6.357	20.08	.2929	-.0130	22.90	.0287	.0176	-.0056	-.0091
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	29.58	-.0036	26.65	.8304	-.0014	.0622	.0885			
Stddev	.02	.0019	.04	.0009	.0035	.0025	.0005			
%RSD	.0646	52.52	.1347	.1137	243.9	4.055	.5896			
#1	29.57	-.0043	26.68	.8309	-.0003	.0650	.0886			
#2	29.57	-.0014	26.61	.8293	.0014	.0616	.0890			
#3	29.60	-.0050	26.66	.8310	-.0053	.0601	.0880			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2129.6	6546.6	43529.	3721.9						
Stddev	3.8	12.1	350.	4.4						
%RSD	.17763	.18450	.80433	.11849						
#1	2132.8	6560.5	43918.	3718.3						
#2	2130.5	6539.1	43239.	3726.8						
#3	2125.4	6540.1	43430.	3720.5						

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Sample Name: FA38936-4 Acquired: 11/29/2016 11:29:35 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.011	2.428	.0098	.0691	-.0006	1899.	.0005	.0010	.0151	-.0014
Stddev	.0057	.084	.0025	.0019	.0000	4.	.0002	.0005	.0025	.0006
%RSD	513.3	3.449	25.25	2.751	7.948	.2071	51.09	51.96	16.32	46.13
#1	-.0071	2.381	.0116	.0691	-.0006	1902.	.0006	.0004	.0132	-.0013
#2	.0043	2.378	.0070	.0710	-.0006	1901.	.0006	.0013	.0179	-.0008
#3	-.0006	2.524	.0109	.0672	-.0007	1895.	.0002	.0014	.0143	-.0021
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	1.391	2.184	9.247	1.054	-.0144	35.03	.0021	-.0116	-.0202	-.0010
Stddev	.011	.365	.209	.003	.0006	.03	.0008	.0035	.0016	.0055
%RSD	.7949	16.70	2.258	.2874	4.371	.0873	40.26	30.18	8.148	580.1
#1	1.401	2.497	9.433	1.053	-.0151	35.03	.0024	-.0091	-.0199	-.0024
#2	1.379	1.783	9.287	1.052	-.0142	35.07	.0011	-.0156	-.0186	.0052
#3	1.393	2.271	9.022	1.058	-.0139	35.00	.0027	-.0101	-.0219	-.0056
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	2.312	-.0035	31.39	.0369	-.0067	.0052	.0253			
Stddev	.003	.0013	.04	.0012	.0048	.0014	.0004			
%RSD	.1269	36.26	.1328	3.209	71.55	27.64	1.526			
#1	2.315	-.0022	31.39	.0363	-.0083	.0051	.0249			
#2	2.310	-.0035	31.43	.0383	-.0013	.0038	.0257			
#3	2.311	-.0047	31.35	.0361	-.0104	.0067	.0254			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2170.6	6502.5	43441.	3725.0						
Stddev	1.3	9.3	199.	20.2						
%RSD	.05966	.14242	.45819	.54327						
#1	2171.1	6493.1	43413.	3718.9						
#2	2171.5	6511.7	43652.	3708.6						
#3	2169.1	6502.7	43257.	3747.6						

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Sample Name: CCV Acquired: 11/29/2016 11:33:44 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2562	40.33	2.115	2.097	2.023	40.13	2.073	2.069	2.017	2.021
Stddev	.0008	.03	.009	.004	.003	.04	.003	.004	.009	.011
%RSD	.3125	.0659	.4013	.1694	.1696	.0964	.1492	.2088	.4388	.5208
#1	2562	40.35	2.114	2.096	2.020	40.16	2.070	2.065	2.008	2.030
#2	2570	40.30	2.124	2.100	2.027	40.14	2.076	2.073	2.026	2.023
#3	2554	40.34	2.107	2.094	2.021	40.09	2.073	2.068	2.017	2.010

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.38	41.35	39.92	2.097	2.147	39.50	2.094	2.039	2.109	2.096
Stddev	.10	.16	.16	.009	.006	.02	.009	.006	.005	.009
%RSD	.2501	.3790	.3942	.4116	.2593	.0607	.4265	.2946	.2333	.4130
#1	39.33	41.29	39.89	2.088	2.141	39.53	2.089	2.033	2.105	2.093
#2	39.49	41.52	40.09	2.105	2.152	39.49	2.104	2.039	2.115	2.106
#3	39.31	41.22	39.78	2.097	2.146	39.49	2.088	2.045	2.108	2.089

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.256	2.136	2.099	2.081	2.078	2.086	2.078
Stddev	.004	.014	.004	.004	.007	.010	.005
%RSD	.1593	.6307	.1826	.1742	.3569	.4928	.2499
#1	2.254	2.133	2.095	2.080	2.073	2.075	2.076
#2	2.260	2.151	2.103	2.085	2.074	2.091	2.084
#3	2.254	2.125	2.100	2.078	2.086	2.094	2.075

Check ? None Chk PassChk PassChk PassChk PassChk PassChk PassChk
 Value
 Range

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Sample Name: CCV Acquired: 11/29/2016 11:33:44 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2073.3	6482.3	42514.	3702.4
Stddev	5.6	21.3	244.	9.7
%RSD	.27018	.32896	.57406	.26140
#1	2079.7	6494.1	42792.	3696.5
#2	2069.4	6457.7	42337.	3697.2
#3	2070.8	6495.1	42412.	3713.6

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Sample Name: CCB Acquired: 11/29/2016 11:37:40 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.008	.0002	.0004	.0002	.0020	.0001	.0000	.0001
Stddev	.0004	.0020	.0002	.0003	.0001	.0023	.0000	.0001	.0001
%RSD	260.7	23.18	92.61	79.59	40.78	114.6	20.00	783.8	87.56

#1	-0.002	-0.102	.0000	.0002	.0004	.0046	.0001	.0000	.0002
#2	-0.004	-0.094	.0002	.0003	.0002	.0000	.0001	.0000	.0001
#3	.0003	-0.064	.0005	.0008	.0002	.0015	.0001	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0095	.0311	-0.008	.0001	F.0014	.0899	.0003	.0005
Stddev	.0001	.0027	.0531	.0226	.0000	.0004	.0057	.0001	.0003
%RSD	142.8	28.15	170.9	2820.	23.07	29.26	6.294	27.75	53.41

#1	-0.002	.0121	-.0251	.0235	.0001	.0018	.0961	.0002	.0005
#2	-0.001	.0097	.0379	-.0048	.0001	.0014	.0886	.0003	.0002
#3	.0000	.0067	.0804	-.0211	.0001	.0010	.0850	.0004	.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0004	.0003	.0000	.0002	.0003	.0007	.0003	-.0001
Stddev	.0007	.0010	.0002	.0000	.0000	.0001	.0001	.0002	.0000
%RSD	1258.	270.9	46.38	15300.	18.41	38.25	12.63	75.28	15.57

#1	.0000	.0005	.0005	-.0004	.0003	.0005	.0008	.0005	-.0001
#2	-.0006	-.0007	.0004	.0002	.0002	.0002	.0006	.0001	-.0001
#3	.0007	.0013	.0002	.0002	.0002	.0003	.0007	.0002	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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Sample Name: CCB Acquired: 11/29/2016 11:37:40 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2375.7	6800.9	45049.	3724.4
Stddev	5.5	10.8	225.	15.9
%RSD	.23152	.15907	.50024	.42698

#1	2375.2	6798.6	45154.	3742.2
#2	2381.4	6812.7	44790.	3711.5
#3	2370.4	6791.4	45202.	3719.4

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Sample Name: FA38936-7 Acquired: 11/29/2016 11:41:55 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0034	6.845	-.0006	.0679	.0001	2073.	-.0001	.0000	.0233	-.0025
Stddev	.0029	.051	.0052	.0032	.0005	3.	.0005	.0005	.0015	.0025
%RSD	86.14	.7424	893.9	4.664	531.0	.1411	481.7	1384.	6.413	100.6

#1	.0007	6.873	-.0059	.0647	.0003	2076.	-.0004	.0006	.0216	.0004
#2	.0029	6.876	.0044	.0679	.0005	2070.	.0005	-.0004	.0244	-.0041
#3	.0065	6.787	-.0002	.0711	-.0005	2074.	-.0004	-.0001	.0239	-.0038

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	3.500	3.148	13.29	.2195	-.0104	29.13	.0046	-.0145	-.0092	.0040
Stddev	.016	.373	.32	.0022	.0010	.06	.0010	.0019	.0041	.0132
%RSD	.4598	11.83	2.420	.9929	9.686	.1986	21.10	13.02	44.94	326.8

#1	3.483	2.968	13.26	.2218	-.0105	29.07	.0046	-.0136	-.0057	.0007
#2	3.501	3.576	12.98	.2194	-.0094	29.15	.0056	-.0132	-.0081	.0186
#3	3.515	2.900	13.62	.2175	-.0114	29.18	.0037	-.0166	-.0138	-.0072

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	3.874	-.0036	31.93	.0825	.0036	.0088	.0251
Stddev	.002	.0037	.02	.0018	.0055	.0024	.0010
%RSD	.0608	104.0	.0751	2.171	155.5	27.65	3.788

#1	3.877	.0007	31.94	.0814	.0050	.0091	.0261
#2	3.873	-.0062	31.91	.0816	.0082	.0062	.0250
#3	3.872	-.0052	31.96	.0846	-.0026	.0111	.0242

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2143.6	6463.2	43049.	3706.7
Stddev	2.2	10.9	280.	35.7
%RSD	.10354	.16923	.64967	.96375

#1	2141.2	6452.9	42808.	3667.0
#2	2145.5	6474.7	42984.	3716.8
#3	2144.0	6462.2	43356.	3736.3

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Sample Name: FA38936-9 Acquired: 11/29/2016 11:46:06 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3600)
Avg	-.0005	.1499	.0010	.0228	-.0002	599.1	-.0001	.0000	.0037
Stddev	.0004	.0222	.0006	.0003	.0000	9.4	.0000	.0001	.0002
%RSD	88.23	14.81	57.10	1.393	14.13	1.574	8.506	350.4	6.371

#1	.0000	.1541	.0017	.0229	-.0002	594.4	-.0001	.0000	.0037
#2	-.0008	.1259	.0009	.0231	-.0002	610.0	-.0001	.0000	.0039
#3	-.0005	.1697	.0005	.0225	-.0002	593.1	-.0001	.0001	.0034

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0203	.2744	3.525	14.04	.0215	-.0019	34.83	.0004	.0001
Stddev	.0002	.0039	.018	.13	.0002	.0002	.18	.0001	.0016
%RSD	.9245	1.408	.4987	.9077	.8613	10.57	5264	41.36	2099.

#1	.0202	.2703	3.505	14.06	.0217	-.0019	34.71	.0002	.0015
#2	.0202	.2780	3.532	14.15	.0213	-.0017	35.04	.0005	.0005
#3	.0205	.2749	3.537	13.90	.0214	-.0021	34.75	.0004	-.0017

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0038	.0019	1.108	-.0009	F10.99	.0050	-.0032	.0019	.0102
Stddev	.0010	.0008	.014	.0006	.05	.0002	.0006	.0001	.0002
%RSD	25.67	39.38	1.261	70.18	.4188	3.906	17.78	5.348	1.870

#1	-.0027	.0012	1.100	-.0016	11.04	.0048	-.0038	.0020	.0102
#2	-.0044	.0027	1.100	-.0003	10.98	.0052	-.0032	.0018	.0101
#3	-.0043	.0019	1.124	-.0009	10.95	.0049	-.0026	.0018	.0104

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2068.3	6273.8	42159.	3642.6
Stddev	10.5	45.2	156.	37.7
%RSD	.50697	.72075	.37116	1.0355

#1	2074.0	6300.5	41991.	3654.2
#2	2074.7	6299.3	42300.	3600.5
#3	2056.2	6221.6	42186.	3673.2

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Sample Name: TC94954-9 Acquired: 11/29/2016 11:50:33 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0028	445.8	.0486	.0166	.0304	398.9	.0098	.1312	.5150
Stddev	.0004	.2	.0015	.0002	.0002	.5	.0002	.0002	.0007
%RSD	12.53	.0512	3.175	1.460	.6180	.1352	1.605	.1438	.1361
#1	.0028	446.0	.0495	.0168	.0306	399.4	.0099	.1314	.5144
#2	.0025	445.7	.0495	.0163	.0302	398.9	.0096	.1311	.5149
#3	.0032	445.6	.0468	.0167	.0305	398.3	.0098	.1310	.5158
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0702	305.6	59.09	127.2	8.781	.0028	70.61	.4699	.1322
Stddev	.0003	.6	.05	.3	.027	.0003	.03	.0008	.0006
%RSD	.4059	.1866	.0855	.2409	.3078	11.29	.0393	.1730	.4475
#1	.0705	306.3	59.15	127.5	8.766	.0031	70.64	.4708	.1328
#2	.0699	305.2	59.05	126.9	8.812	.0025	70.59	.4696	.1316
#3	.0703	305.4	59.07	127.4	8.765	.0028	70.61	.4693	.1321
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0017	-.0054	20.54	.0010	1.112	1.580	.0043	.3971	2.536
Stddev	.0046	.0022	.03	.0004	.001	.002	.0027	.0008	.002
%RSD	264.0	40.04	.1239	40.98	.1017	.0956	64.24	.2058	.0732
#1	-.0070	-.0043	20.57	.0011	1.113	1.579	.0018	.3975	2.537
#2	.0004	-.0079	20.53	.0012	1.111	1.582	.0037	.3962	2.533
#3	.0014	-.0040	20.52	.0005	1.112	1.580	.0072	.3977	2.537
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1954.7	7999.9	52667.7	4641.5					
Stddev	3.1	8.5	101.	17.0					
%RSD	.16032	.10582	.19234	.36600					
#1	1957.0	8004.4	52747.	4647.7					
#2	1951.1	7990.1	52553.	4622.2					
#3	1956.0	8005.0	52701.	4654.4					

Sample Name: CCV Acquired: 11/29/2016 11:54:43 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2580	40.52	2.116	2.102	2.033	40.28	2.065	2.061	2.014	2.031
Stddev	.0006	.11	.005	.007	.009	.16	.001	.001	.005	.006
%RSD	.2311	.2836	.2247	.3185	.4439	.3976	.0453	.0520	.2290	.3218
#1	.2576	40.43	2.112	2.095	2.024	40.14	2.065	2.061	2.010	2.029
#2	.2587	40.65	2.115	2.108	2.042	40.45	2.064	2.062	2.019	2.038
#3	.2577	40.49	2.121	2.103	2.032	40.25	2.065	2.062	2.012	2.025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.68	41.68	40.35	2.107	2.146	39.95	2.097	2.038	2.108	2.096
Stddev	.21	.21	.22	.002	.003	.18	.004	.001	.005	.008
%RSD	.5171	.5142	.5535	.1122	.1408	.4415	.1957	.0439	.2499	.3806
#1	39.50	41.49	40.24	2.105	2.143	39.77	2.096	2.038	2.103	2.089
#2	39.90	41.91	40.60	2.109	2.147	40.12	2.094	2.039	2.107	2.095
#3	39.63	41.63	40.20	2.107	2.149	39.96	2.102	2.037	2.113	2.104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm			
Avg	2.251	2.140	2.111	2.091	2.073	2.096	2.073			
Stddev	.003	.005	.008	.003	.002	.006	.002			
%RSD	.1206	.2433	.3605	.1499	.1098	.2847	.0794			
#1	2.250	2.138	2.103	2.089	2.070	2.095	2.075			
#2	2.249	2.136	2.118	2.095	2.073	2.090	2.072			
#3	2.254	2.146	2.113	2.089	2.075	2.102	2.073			
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass			
Value										
Range										

Sample Name: CCV Acquired: 11/29/2016 11:54:43 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2080.9	6503.1	42806.	3683.3
Stddev	1.6	7.3	125.	8.3
%RSD	.07661	.11151	.29116	.22597
#1	2082.8	6510.9	42949.	3688.1
#2	2079.8	6502.1	42738.	3673.6
#3	2080.3	6496.5	42729.	3688.1

Sample Name: CCB Acquired: 11/29/2016 11:58:39 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	-.0004	.0002	.0001	.0001	-.0004	.0001	.0000	.0000
Stddev	.0003	.0013	.0009	.0002	.0000	.0021	.0000	.0001	.000
%RSD	376.5	303.5	519.1	192.9	33.80	588.7	29.93	362.0	640.3
#1	-.0003	-.0015	.0012	.0002	.0001	-.0016	.0000	-.0001	.0000
#2	-.0002	.0011	-.0003	-.0001	.0001	.0021	.0001	.0001	-.0002
#3	.0003	-.0009	-.0004	.0002	.0001	-.0016	.0001	.0000	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0100	-.0008	-.0063	.0001	F .0013	.0616	.0002	.0003
Stddev	.0001	.0052	.0197	.0166	.0000	.0004	.0064	.0002	.0006
%RSD	74.17	52.47	2600.	264.0	28.47	30.14	10.33	120.6	225.3
#1	-.0002	.0160	.0138	.0104	.0001	.0018	.0671	.0000	.0002
#2	.0000	.0074	.0071	-.0227	.0001	.0012	.0546	.0004	-.0003
#3	-.0002	.0065	-.0232	-.0066	.0000	.0010	.0632	.0001	.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value						.0010			
Low Limit						-.0010			
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0009	.0013	.0003	.0000	.0001	.0003	.0008	.0003	-.0001
Stddev	.0002	.0007	.0001	.0003	.0001	.0001	.0001	.0001	.0002
%RSD	25.38	58.61	18.42	12240.	66.37	24.68	15.87	79.81	7.700
#1	-.0011	.0008	.0003	.0004	.0002	.0003	.0010	.0006	-.0001
#2	-.0010	.0021	.0003	-.0001	.0001	.0002	.0008	.0002	-.0001
#3	-.0006	.0009	.0004	-.0003	.0000	.0002	.0007	.0002	-.0001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Sample Name: CCB Acquired: 11/29/2016 11:58:39 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2365.8	6784.7	45165.	3722.3
Stddev	7.6	6.0	112.	32.7
%RSD	.32011	.08868	.24765	.87783
#1	2364.2	6778.9	45045.	3738.2
#2	2359.1	6784.3	45266.	3684.8
#3	2374.0	6791.0	45186.	3744.0

Sample Name: CCV Acquired: 11/29/2016 13:03:33 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.498	40.11	2.046	2.038	2.037	40.33	2.050	2.040	2.033	1.995
Stddev	.0012	.06	.003	.006	.005	.15	.001	.001	.001	.006
%RSD	.4699	.1498	.1282	.2968	.2370	.3653	.0410	.0633	.0442	.3208
#1	2.484	40.05	2.047	2.045	2.036	40.19	2.051	2.042	2.032	1.988
#2	2.502	40.17	2.043	2.036	2.043	40.48	2.049	2.040	2.033	1.998
#3	2.506	40.10	2.048	2.033	2.033	40.32	2.051	2.040	2.033	2.000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.17	40.12	40.12	2.054	2.082	40.53	2.046	2.017	2.041	2.024
Stddev	.08	.02	.26	.007	.002	.13	.004	.007	.004	.004
%RSD	.2069	.0450	.6418	.3193	.0949	.3227	.2214	.3261	.1792	.1802
#1	39.13	40.13	39.82	2.047	2.081	40.46	2.051	2.011	2.045	2.028
#2	39.26	40.10	40.28	2.060	2.080	40.68	2.042	2.024	2.037	2.024
#3	39.12	40.12	40.25	2.056	2.084	40.45	2.045	2.015	2.040	2.021

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.183	2.080	2.065	2.051	2.033	2.051	2.055
Stddev	.005	.006	.004	.005	.008	.006	.001
%RSD	.2286	.2769	.1820	.2637	.3714	.2755	.0523
#1	2.188	2.086	2.064	2.045	2.027	2.045	2.056
#2	2.178	2.077	2.069	2.056	2.042	2.057	2.054
#3	2.183	2.076	2.062	2.051	2.030	2.051	2.055

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

7.1
7

Sample Name: CCV Acquired: 11/29/2016 13:03:33 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2060.8	6450.7	42549.	3651.4
Stddev	3.9	10.4	158.	17.4
%RSD	.18862	.16163	.37128	.47565
#1	2065.2	6449.7	42701.	3665.0
#2	2058.1	6461.5	42386.	3631.9
#3	2059.0	6440.7	42561.	3657.4

Sample Name: CCB Acquired: 11/29/2016 13:11:22 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	-.0058	.0003	.0000	.0003	-.0022	.0001	.0001	.0002	.0004
Stddev	.0001	.0032	.0004	.0001	.0000	.0026	.0001	.0001	.0001	.0002
%RSD	157.5	55.67	135.1	107.1	8.911	119.6	61.38	37.64	70.78	43.21
#1	.0000	-.0057	.0007	.0000	.0003	.0008	.0002	.0001	.0000	.0006
#2	.0000	-.0026	.0001	-.0001	.0003	-.0034	.0001	.0001	.0003	.0003
#3	-.0003	-.0091	.0001	.0001	.0002	-.0041	.0000	.0002	.0003	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0064	.0174	.0089	.0002	.0007	-.0018	.0001	.0002	.0005	-.0001
Stddev	.0038	.0108	.0289	.0000	.0001	.0018	.0001	.0006	.0007	.0008
%RSD	58.84	62.13	325.9	24.20	11.41	100.4	83.89	384.1	125.6	603.7
#1	.0046	.0269	-.0217	.0002	.0007	-.0009	.0000	.0005	.0013	.0008
#2	.0039	.0195	.0356	.0001	.0008	-.0039	.0002	-.0005	-.0001	-.0006
#3	.0108	.0057	.0127	.0002	.0006	-.0006	.0001	.0005	.0005	-.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0002	.0001	.0002	.0002	.0004	.0002
Stddev	.0003	.0003	.0000	.0002	.0003	.0001	.0000
%RSD	82.36	114.5	7.013	84.23	163.6	22.24	9.324
#1	.0006	.0000	.0001	.0000	.0002	.0004	.0002
#2	.0005	.0005	.0001	.0003	-.0001	.0004	.0002
#3	.0000	.0002	.0001	.0003	.0006	.0003	.0002

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 11/29/2016 13:11:22 Type: QC
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Int. Std. Units, In2306 Cts/S, Y_2243 Cts/S, Y_3600 Cts/S, Y_3710 Cts/S. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: MP31228-MB1 Acquired: 11/29/2016 13:15:15 Type: QC
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem Units, Ag3280 ppm, Al3961 ppm, As1890 ppm, Ba4554 ppm, Be3130 ppm, Ca3179 ppm, Cd2265 ppm, Co2286 ppm, Cr2677 ppm, Cu3247 ppm. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 11 columns: Elem Units, Fe2599 ppm, K_7664 ppm, Mg2790 ppm, Mn2576 ppm, Mo2020 ppm, Na5895 ppm, Ni2316 ppm, Pb2203 ppm, Sb2068 ppm, Se1960 ppm. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 8 columns: Elem Units, Si2124 ppm, Sn1899 ppm, Sr4077 ppm, Ti3349 ppm, Tl1908 ppm, V_2924 ppm, Zn2062 ppm. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

7.1 7

Sample Name: MP31228-MB1 Acquired: 11/29/2016 13:15:15 Type: QC
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Int. Std. Units, In2306 Cts/S, Y_2243 Cts/S, Y_3600 Cts/S, Y_3710 Cts/S. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: MP31228-B1 Acquired: 11/29/2016 13:19:29 Type: QC
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem Units, Ag3280 ppm, Al3961 ppm, As1890 ppm, Ba4554 ppm, Be3130 ppm, Ca3179 ppm, Cd2265 ppm, Co2286 ppm, Cr2677 ppm, Cu3247 ppm. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Table with 11 columns: Elem Units, Fe2599 ppm, K_7664 ppm, Mg2790 ppm, Mn2576 ppm, Mo2020 ppm, Na5895 ppm, Ni2316 ppm, Pb2203 ppm, Sb2068 ppm, Se1960 ppm. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Table with 8 columns: Elem Units, Si2124 ppm, Sn1899 ppm, Sr4077 ppm, Ti3349 ppm, Tl1908 ppm, V_2924 ppm, Zn2062 ppm. Rows include Avg, Stddev, %RSD and three replicates (#1, #2, #3).

Check ? None Chk Pass None None Chk Pass Chk Pass Chk Pass
Value
Range

Sample Name: MP31228-B1 Acquired: 11/29/2016 13:19:29 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	2118.0	6457.3	43118.8	3594.8
Stddev	5.8	8.5	81.	17.9
%RSD	.27270	.13125	.18897	.49738

#1	2119.3	6454.7	43193.	3603.0
#2	2123.0	6466.7	43130.	3574.3
#3	2111.7	6450.3	43031.	3607.1

Sample Name: FA38999-3 Acquired: 11/29/2016 13:23:28 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.001	.0521	-0.002	.0022	.0000	.3349	.0000	-0.001	.0031	.0021
Stddev	.0002	.0095	.0004	.0002	.0000	.0075	.000	.0002	.0001	.0002
%RSD	173.7	18.23	175.2	10.44	89.67	2.235	100.8	440.0	4.056	10.06

#1	.0000	.0414	-0.005	.0023	.0000	.3280	.0000	-0.003	.0029	.0020
#2	.0000	.0555	-0.003	.0023	.0001	.3339	.0000	.0001	.0031	.0023
#3	-0.004	.0595	.0002	.0019	.0000	.3429	.0000	.0001	.0031	.0019

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0969	.1306	.4782	.0023	.0009	2.864	.0013	.0000	-0.001	.0002
Stddev	.0017	.0209	.0252	.0000	.0002	.009	.0002	.000	.0004	.0010
%RSD	1.745	16.02	5.271	.9886	26.95	.2958	12.08	3679.	382.5	656.9

#1	.0981	.1206	.4834	.0023	.0012	2.863	.0013	.0004	.0003	.0013
#2	.0950	.1165	.5004	.0023	.0008	2.873	.0012	-0.002	-0.005	-0.006
#3	.0977	.1546	.4508	.0023	.0008	2.856	.0015	-0.002	-0.002	-0.002

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.112	.0005	.0028	.0008	.0001	.0001	.0120
Stddev	.001	.0001	.0001	.0000	.0002	.0002	.0000
%RSD	.0540	21.02	2.221	1.729	.0002	.2165	.0272

#1	1.112	.0006	.0028	.0008	.0000	-0.001	.0120
#2	1.112	.0005	.0028	.0008	.0003	.0002	.0120
#3	1.111	.0004	.0029	.0008	.0000	.0002	.0120

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2314.6	6637.2	44740.	3645.3
Stddev	5.7	7.4	55.	29.4
%RSD	.24568	.11178	.12394	.80623

#1	2315.7	6640.4	44721.	3671.4
#2	2319.7	6642.6	44696.	3613.4
#3	2308.5	6628.8	44802.	3651.0

7.1
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Sample Name: MP31228-D1 Acquired: 11/29/2016 13:27:40 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.001	.0381	-0.010	.0024	.0000	.3342	.0000	.0000	.0034	.0019
Stddev	.0002	.0093	.0002	.0003	.0000	.0041	.000	.0001	.0003	.0002
%RSD	385.9	24.39	16.68	13.43	449.3	1.241	484.4	669.9	8.855	11.24

#1	-0.002	.0349	-0.009	.0020	.0000	.3296	.0000	.0000	.0030	.0021
#2	-0.001	.0309	-0.009	.0025	.0000	.3376	.0000	.0001	.0034	.0019
#3	.0002	.0486	-0.012	.0027	.0000	.3354	.0000	-0.001	.0036	.0017

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0833	.1076	.4657	.0023	.0006	2.879	.0018	.0002	.0009	.0012
Stddev	.0005	.0132	.0225	.0001	.0001	.007	.0001	.0001	.0002	.0003
%RSD	.5519	12.24	4.831	2.612	9.439	.2507	4.192	68.38	24.16	26.04

#1	.0838	.0941	.4802	.0023	.0006	2.884	.0017	.0003	.0011	.0009
#2	.0832	.1204	.4772	.0024	.0006	2.871	.0017	.0001	.0011	.0013
#3	.0828	.1083	.4398	.0023	.0007	2.883	.0019	.0002	.0007	.0015

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.112	.0004	.0028	.0007	-0.009	.0003	.0119
Stddev	.006	.0002	.0001	.0001	.0005	.0003	.0000
%RSD	.5228	52.12	4.742	18.61	57.22	116.4	.1454

#1	1.107	.0002	.0027	.0009	-0.013	.0004	.0119
#2	1.111	.0006	.0028	.0008	-0.012	.0006	.0119
#3	1.118	.0003	.0029	.0006	-0.003	-0.001	.0119

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2306.4	6647.4	44956.	3624.0
Stddev	3.4	9.6	124.	29.2
%RSD	.14909	.14375	.27522	.80699

#1	2308.3	6653.4	44813.	3591.3
#2	2308.5	6652.4	45032.	3632.8
#3	2302.4	6636.4	45023.	3647.8

Sample Name: MP31228-SD1 Acquired: 11/29/2016 13:31:53 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.001	-0.007	-0.004	.0023	.0003	.3150	.0000	.0000	.0028	-0.003
Stddev	.0021	.0181	.0010	.0010	.0003	.0108	.000	.0004	.0006	.0006
%RSD	2029.	2592.	231.7	42.40	91.48	3.444	140.6	75190.	21.61	212.6

#1	.0022	.0171	-0.009	.0031	.0001	.3066	-0.001	.0004	.0023	.0004
#2	-0.009	-0.019	.0007	.0012	.0002	.3273	.0000	.0000	.0035	-0.007
#3	-0.016	-0.001	-0.012	.0025	.0007	.3111	.0000	-0.004	.0028	-0.006

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0578	.0773	.5579	.0022	-0.006	2.652	.0011	-0.024	.0002	.0039
Stddev	.0058	.0817	.0514	.0001	.0006	.008	.0001	.0028	.0017	.0028
%RSD	10.06	105.7	9.212	4.409	96.17	.2911	12.25	117.5	853.6	70.51

#1	.0625	.0314	.5630	.0023	.0000	2.649	.0012	-0.032	-0.012	.0057
#2	.0513	.1717	.5042	.0021	-0.010	2.646	.0010	-0.046	-0.003	.0007
#3	.0597	.0289	.6066	.0022	-0.008	2.661	.0012	.0007	.0021	.0053

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.069	.0004	.0020	.0006	-0.011	.0004	.0298
Stddev	.004	.0003	.0003	.0001	.0011	.0003	.0002
%RSD	.4203	89.21	15.35	9.338	105.8	79.18	.6781

#1	1.068	.0002	.0019	.0007	-0.024	.0006	.0296
#2	1.066	.0002	.0018	.0006	-0.005	.0004	.0298
#3	1.074	.0008	.0024	.0006	-0.003	.0001	.0299

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	2353.1	6766.3	45743.	3740.4
Stddev	3.3	15.0	49.	18.7
%RSD	.14091	.22130	.10712	.50087

#1	2356.9	6770.5	45696.	3722.3
#2	2351.7	6778.7	45794.	3739.4
#3	2350.7	6749.7	45740.	3759.7

Sample Name: MP31228-PS1 Acquired: 11/29/2016 13:36:08 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0448	2.850	.1106	.2921	.0556	6.053	.0563	.0567	.0586	.1103
Stddev	.0004	.016	.0010	.0003	.0001	.017	.0001	.0001	.0003	.0002
%RSD	.9049	.5555	.9106	.0910	.2531	.2725	.1227	.1094	.5053	.2113

#1	.0448	2.849	.1095	.2924	.0556	6.072	.0562	.0567	.0589	.1105
#2	.0452	2.835	.1109	.2920	.0554	6.041	.0563	.0567	.0583	.1104
#3	.0444	2.867	.1114	.2919	.0557	6.046	.0563	.0568	.0585	.1101

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	3.405	10.68	5.890	.0582	.1119	13.78	.1131	.0529	.1157	.1068
Stddev	.010	.06	.031	.0001	.0005	.03	.0003	.0004	.0008	.0015
%RSD	.2895	.5805	.5302	.2545	.4387	.2172	.2893	.7802	.6992	1.438

#1	3.406	10.66	5.856	.0583	.1114	13.81	.1131	.0525	.1150	.1051
#2	3.394	10.75	5.898	.0581	.1122	13.78	.1127	.0533	.1166	.1081
#3	3.414	10.63	5.916	.0582	.1122	13.75	.1133	.0530	.1154	.1072

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.111	.0533	.0561	.1091	.1068	.0524	.2946
Stddev	.002	.0002	.0003	.0005	.0003	.0002	.0003
%RSD	.1827	.3041	.6103	.4591	.2488	.4138	.1108

#1	1.109	.0533	.0562	.1097	.1069	.0523	.2942
#2	1.112	.0532	.0564	.1089	.1065	.0524	.2946
#3	1.113	.0535	.0557	.1087	.1070	.0527	.2949

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2226.3	6581.0	44376.	3669.4
Stddev	5.5	6.8	207.	16.9
%RSD	.24636	.10273	.46589	.46105

#1	2220.7	6575.1	44138.	3681.5
#2	2226.6	6579.6	44477.	3676.6
#3	2231.7	6588.4	44513.	3650.1

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Sample Name: MP31228-S1 Acquired: 11/29/2016 13:40:10 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0468	29.31	1.982	2.229	.0545	27.71	.0528	.5315	.2113	.2517
Stddev	.0002	.03	.029	.014	.0003	.05	.0005	.0012	.0030	.0020
%RSD	.4968	.0972	1.477	.6141	.5284	.1894	.8893	.2237	1.415	.7819

#1	.0469	29.31	2.011	2.214	.0542	27.76	.0525	.5328	.2111	.2514
#2	.0466	29.34	1.983	2.230	.0547	27.71	.0526	.5305	.2085	.2499
#3	.0470	29.28	1.953	2.241	.0547	27.65	.0533	.5312	.2144	.2538

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	28.24	28.59	26.83	.5257	.5411	30.56	.5264	.5469	.5174	2.040
Stddev	.11	.75	.19	.0059	.0017	.30	.0030	.0108	.0049	.001
%RSD	.3960	2.634	.7036	1.118	.3087	.9902	.5611	1.970	.9566	.0531

#1	28.13	27.80	26.63	.5237	.5430	30.24	.5298	.5367	.5147	2.040
#2	28.24	28.67	27.00	.5212	.5398	30.61	.5249	.5457	.5144	2.040
#3	28.36	29.30	26.86	.5324	.5405	30.84	.5245	.5582	.5231	2.042

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.104	.5140	.5381	.5214	2.069	.5000	.5424
Stddev	.007	.0018	.0015	.0057	.038	.0039	.0016
%RSD	.6790	.3542	.2762	1.085	1.832	.7784	.2992

#1	1.112	.5146	.5364	.5202	2.106	.4976	.5428
#2	1.098	.5119	.5385	.5164	2.071	.4980	.5406
#3	1.102	.5154	.5392	.5275	2.030	.5045	.5438

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1894.4	6051.5	42286.	3571.2
Stddev	19.1	27.1	575.	42.0
%RSD	1.0083	.44773	1.3604	1.1758

#1	1912.9	6074.7	42531.	3606.8
#2	1895.7	6058.1	42698.	3581.8
#3	1874.7	6021.7	41629.	3524.9

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7.1
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Sample Name: MP31228-S2 Acquired: 11/29/2016 13:44:07 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0476	29.38	2.070	2.167	.0546	27.88	.0536	.5331	.2160	.2627
Stddev	.0002	.012	.003	.003	.0001	.12	.0001	.0005	.0008	.0012
%RSD	.4203	.4140	.1589	.1382	.2647	.4445	.1787	.0965	.3531	.4684

#1	.0476	29.29	2.072	2.166	.0545	27.82	.0537	.5332	.2166	.2634
#2	.0478	29.33	2.072	2.171	.0547	27.79	.0536	.5335	.2151	.2613
#3	.0474	29.52	2.066	2.165	.0548	28.02	.0536	.5325	.2162	.2635

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	28.09	26.55	26.94	.5325	.5452	29.91	.5355	.5175	.5273	2.075
Stddev	.07	.02	.06	.0013	.0008	.14	.0011	.0011	.0020	.005
%RSD	.2612	.0674	.2191	.2400	.1502	.4620	.2053	.2174	.3848	.2355

#1	28.10	26.54	26.92	.5319	.5456	29.85	.5357	.5174	.5268	2.077
#2	28.01	26.57	26.89	.5316	.5458	29.81	.5365	.5164	.5295	2.078
#3	28.15	26.54	27.00	.5339	.5443	30.07	.5343	.5186	.5256	2.069

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.139	.5323	.5357	.5291	2.097	.4937	.5435
Stddev	.004	.0018	.0010	.0017	.004	.0010	.0009
%RSD	.3090	.3354	.1909	.3202	.1791	.1943	.1592

#1	1.140	.5320	.5347	.5301	2.098	.4945	.5444
#2	1.142	.5343	.5357	.5272	2.093	.4939	.5434
#3	1.135	.5307	.5368	.5301	2.100	.4926	.5427

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2116.3	6487.1	43589.	3664.4
Stddev	3.5	12.2	35.	30.5
%RSD	.16553	.18747	.07923	.83301

#1	2113.2	6477.1	43552.	3653.1
#2	2120.1	6483.7	43620.	3698.9
#3	2115.5	6500.7	43594.	3641.1

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Sample Name: FA38999-1 Acquired: 11/29/2016 13:48:06 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0002	.9472	.0003	.0108	.0001	.5054	.0000	.0002	.0075	.0019
Stddev	.0002	.0017	.0004	.0001	.0000	.0006	.000	.0001	.0002	.0001
%RSD	115.9	.1756	160.1	1.045	37.23	.1168	259.7	72.93	2.469	7.835

#1	-.0001	.9454	.0003	.0109	.0001	.5055	.0000	.0002	.0075	.0020
#2	.0003	.9478	.0006	.0109	.0001	.5059	-.0001	.0003	.0077	.0020

Sample Name: FA38999-2 Acquired: 11/29/2016 13:52:18 Type: Unk
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0000	40.47	.0249	.6768	.0018	3.843	.0015	.0022	.0827	.0155
Stddev	.000	.06	.0001	.0012	.0001	.017	.0000	.0000	.0007	.0002
%RSD	618.5	.1453	.4090	.1786	4.327	4.516	.7147	.8746	.8756	.9774
#1	.0000	40.54	.0249	.6782	.0019	3.863	.0014	.0022	.0829	.0155
#2	.0002	40.42	.0248	.6761	.0017	3.835	.0015	.0022	.0833	.0157
#3	-.0003	40.46	.0250	.6760	.0018	3.831	.0015	.0022	.0819	.0154

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	16.92	1.153	1.027	.0099	.0143	1.883	.0086	.1387	-.0006	.0045
Stddev	.03	.008	.006	.0001	.0001	.008	.0001	.0008	.0004	.0007
%RSD	.1500	.6868	.6264	1.012	.3705	.4385	.8233	.5494	68.05	15.28
#1	16.93	1.162	1.033	.0100	.0143	1.888	.0085	.1379	-.0009	.0053
#2	16.89	1.147	1.028	.0100	.0142	1.873	.0086	.1387	-.0001	.0040
#3	16.94	1.149	1.021	.0098	.0143	1.887	.0086	.1394	-.0008	.0043

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	13.49	.0011	2.166	.0821	-.0018	.0602	.0267
Stddev	.02	.0001	.002	.0002	.0002	.0002	.0001
%RSD	.1750	7.804	.0716	.2941	11.67	3.366	2.251
#1	13.49	.0011	2.168	.0822	-.0018	.0603	.0266
#2	13.47	.0012	2.166	.0823	-.0016	.0599	.0267
#3	13.52	.0010	2.165	.0818	-.0020	.0603	.0267

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2189.3	11644.	78894.	6538.5
Stddev	5.7	29.	573.	46.4
%RSD	.25975	.25163	.72610	.71016
#1	2188.9	11628.	78616.	6502.6
#2	2195.1	11677.	78514.	6591.0
#3	2183.8	11626.	79553.	6522.0

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Sample Name: CCV Acquired: 11/29/2016 13:56:21 Type: QC
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2426	39.84	2.008	2.034	2.008	40.03	2.049	2.034	1.999	1.953
Stddev	.0020	.20	.007	.007	.010	.13	.003	.001	.008	.007
%RSD	8416	4923	3383	3328	5201	3357	1664	0407	4175	3572
#1	2447	40.06	2.013	2.039	2.020	40.19	2.045	2.033	1.999	1.957
#2	2424	39.78	2.011	2.036	2.004	39.94	2.049	2.035	2.007	1.958
#3	2406	39.68	2.000	2.026	2.000	39.97	2.052	2.034	1.991	1.945

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	38.52	39.19	39.11	1.998	2.065	40.31	2.013	2.022	2.007	1.987
Stddev	.15	.18	.31	.004	.002	.16	.001	.003	.004	.004
%RSD	.3894	4675	.7831	.2165	.0943	.3895	.0272	.1605	.2053	.2010
#1	38.65	39.38	39.44	1.996	2.063	40.48	2.013	2.023	2.012	1.992
#2	38.54	39.16	38.84	2.003	2.067	40.28	2.014	2.018	2.005	1.985
#3	38.36	39.02	39.05	1.994	2.066	40.17	2.014	2.024	2.005	1.985

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.145	2.022	2.041	2.006	2.038	2.034	2.048
Stddev	.003	.001	.007	.003	.003	.005	.003
%RSD	.1469	.0597	.3648	.1498	.1536	.2266	.1341
#1	2.146	2.024	2.050	2.006	2.038	2.029	2.047
#2	2.147	2.022	2.037	2.009	2.035	2.036	2.047
#3	2.141	2.021	2.036	2.003	2.041	2.037	2.052

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2189.3	11644.	78894.	6538.5
Stddev	5.7	29.	573.	46.4
%RSD	.25975	.25163	.72610	.71016
#1	2188.9	11628.	78616.	6502.6
#2	2195.1	11677.	78514.	6591.0
#3	2183.8	11626.	79553.	6522.0

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Sample Name: CCV Acquired: 11/29/2016 13:56:21 Type: QC
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2063.2	6511.3	43708.	3706.7
Stddev	3.1	9.4	80.	11.1
%RSD	.15249	.14475	.18236	.30030
#1	2064.6	6519.5	43716.	3706.3
#2	2065.5	6513.4	43624.	3718.0
#3	2059.6	6501.0	43783.	3695.7

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Sample Name: CCB Acquired: 11/29/2016 14:00:17 Type: QC
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-.0038	.0003	.0005	.0005	.0078	.0001	.0001	.0003
Stddev	.0003	.0134	.0007	.0003	.0000	.0021	.0001	.0001	.0001
%RSD	215.4	352.2	260.6	67.69	5.950	27.38	52.14	96.57	29.86
#1	.0005	-.0083	.0009	.0001	.0005	.0079	.0002	.0003	.0004
#2	.0002	-.0144	-.0005	.0006	.0005	.0056	.0000	.0002	.0002
#3	-.0002	.0113	.0004	.0007	.0005	.0098	.0001	.0000	.0004

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0152	.0286	.0279	.0003	F .0017	-.0024	.0000	.0008
Stddev	.0002	.0051	.0115	.0111	.0001	.0006	.0079	.0001	.0002
%RSD	56.56	33.63	40.10	39.79	17.91	34.05	327.8	264.5	20.14
#1	.0005	.0191	.0295	.0185	.0004	.0022	.0016	.0000	.0008
#2	.0002	.0172	.0167	.0401	.0003	.0016	.0027	.0000	.0010
#3	.0002	.0094	.0396	.0250	.0003	.0011	-.0115	.0002	.0007

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0003	.0003	.0004	.0004	.0005	.0008	.0004	.0002
Stddev	.0005	.0002	.0001	.0001	.0000	.0001	.0004	.0004	.0000
%RSD	726.8	88.15	21.64	33.31	.7940	24.79	54.63	97.12	12.27
#1	-.0003	.0005	.0002	.0005	.0004	.0005	.0011	.0008	.0002
#2	.0006	.0003	.0003	.0004	.0004	.0005	.0010	.0001	.0002
#3	-.0001	.0000	.0003	.0003	.0004	.0003	.0003	.0003	.0002

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2189.3	11644.	78894.	6538.5
Stddev	5.7	29.	573.	46.4
%RSD	.25975	.25163	.72610	.71016
#1	2188.9	11628.	78616.	6502.6
#2	2195.1	11677.	78514.	6591.0
#3	2183.8	11626.	79553.	6522.0

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Sample Name: CCB Acquired: 11/29/2016 14:00:17 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2358.9	6799.9	45721.	3721.9
Stddev	2.1	10.4	132.	13.8
%RSD	.08869	.15339	.28970	.37014
#1	2356.5	6809.4	45841.	3711.6
#2	2360.2	6801.6	45579.	3737.6
#3	2360.1	6788.8	45744.	3716.7

Sample Name: FA38999-4 Acquired: 11/29/2016 14:04:32 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.001	.7614	-0.007	.0045	.0001	.3017	.0000	.0002	.0058	.0022
Stddev	.0005	.0078	.0003	.0001	.0002	.0030	.000	.0001	.0001	.0000
%RSD	395.6	1.030	44.91	2.936	173.1	1.008	1561.	40.24	1.186	1.384
#1	-0.004	.7651	-0.011	.0044	.0002	.3047	.0000	.0002	.0058	.0022
#2	-0.004	.7524	-0.006	.0047	-0.001	.3016	.0000	.0002	.0058	.0022
#3	.0004	.7667	-0.006	.0045	.0002	.2987	.0000	.0003	.0059	.0022
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.2804	.1374	.4215	.0027	.0012	3.068	.0018	-0.001	.0008	.0002
Stddev	.0011	.0149	.0151	.0001	.0000	.013	.0002	.0004	.0007	.0009
%RSD	.4058	10.87	3.593	2.061	2.509	.4180	11.06	413.6	89.34	562.4
#1	.2791	.1345	.4259	.0028	.0012	3.080	.0020	.0004	.0014	.0002
#2	.2806	.1535	.4339	.0027	.0012	3.055	.0018	-0.003	.0000	-0.008
#3	.2813	.1241	.4046	.0027	.0012	3.070	.0016	-0.004	.0010	.0010
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	1.857	.0003	.0076	.0132	-0.008	.0007	.0034			
Stddev	.009	.0002	.0001	.0011	.0002	.0003	.0000			
%RSD	.4562	56.08	1.141	8.675	25.80	44.12	.9875			
#1	1.847	.0003	.0076	.0136	-0.006	.0004	.0034			
#2	1.861	.0001	.0076	.0119	-0.007	.0008	.0034			
#3	1.862	.0005	.0077	.0141	-0.010	.0009	.0034			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2311.9	6685.7	45086.	3691.6						
Stddev	4.4	15.5	64.	19.8						
%RSD	.18939	.23245	.14299	.53602						
#1	2306.9	6667.8	45011.	3669.6						
#2	2314.8	6694.6	45123.	3708.0						
#3	2314.0	6694.8	45123.	3697.3						

Sample Name: FA38999-5 Acquired: 11/29/2016 14:08:44 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0001	.1737	-0.0005	.0033	.0001	.2478	.0000	-0.0002	.0019	.0025
Stddev	.0001	.0079	.0003	.0004	.0000	.0040	.0000	.0001	.0002	.0002
%RSD	129.4	4.554	60.19	12.45	36.12	1.619	181.3	89.23	9.098	8.565
#1	.0001	.1721	-0.0007	.0033	.0000	.2501	.0000	-0.0001	.0017	.0026
#2	.0000	.1822	-0.0002	.0029	.0001	.2501	.0000	-0.0001	.0020	.0023
#3	.0002	.1667	-0.0006	.0037	.0001	.2432	.0000	-0.0003	.0018	.0027
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.1196	.1730	.5535	.0020	.0001	2.448	.0000	.0000	.0005	.0004
Stddev	.0006	.0259	.0087	.0000	.0001	.005	.000	.0005	.0002	.0008
%RSD	.5040	14.96	1.565	1.163	57.13	.2164	345.5	1758.	37.90	189.0
#1	.1197	.1655	.5589	.0020	.0002	2.450	.0000	-0.0005	.0005	.0007
#2	.1190	.1516	.5436	.0021	.0002	2.452	.0000	.0003	.0006	-0.0005
#3	.1202	.2017	.5582	.0020	.0000	2.442	-0.0001	.0003	.0003	.0011
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	1.278	.0003	.0024	.0068	-0.0011	.0004	.0112			
Stddev	.002	.0002	.0000	.0014	.0002	.0001	.0001			
%RSD	.1539	54.11	1.442	19.90	21.56	39.69	.5290			
#1	1.278	.0001	.0024	.0054	-0.0009	.0004	.0112			
#2	1.279	.0003	.0024	.0081	-0.0014	.0004	.0111			
#3	1.275	.0004	.0024	.0069	-0.0011	.0002	.0111			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2326.5	6734.5	45684.	3695.9						
Stddev	1.1	13.7	177.	23.3						
%RSD	.04901	.20349	.38689	.63041						
#1	2327.8	6719.6	45512.	3699.7						
#2	2325.9	6737.5	45865.	3671.0						
#3	2325.7	6746.5	45676.	3717.1						

Sample Name: FA38999-6 Acquired: 11/29/2016 14:12:58 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0000	.8770	-0.0003	.0083	.0000	3.140	.0000	-0.0001	.0058	.0015
Stddev	.000	.0198	.0005	.0002	.0001	.012	.000	.0000	.0002	.0002
%RSD	734.6	2.262	189.5	2.361	705.9	.3698	79.19	60.64	2.715	11.73
#1	-0.0003	.8555	.0003	.0081	.0001	3.127	-0.0001	-0.0001	.0059	.0017
#2	.0003	.8808	-0.0006	.0085	.0000	3.148	.0000	-0.0001	.0056	.0014
#3	-0.0002	.8946	-0.0005	.0084	-0.0001	3.146	.0000	.0000	.0059	.0014
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.9270	.6085	1.059	.0054	.0023	2.692	.0024	.0003	.0012	.0007
Stddev	.0060	.0346	.012	.0000	.0001	.012	.0000	.0005	.0009	.0007
%RSD	.6475	5.690	1.094	.5836	2.555	4.368	1.011	147.2	78.39	111.4
#1	.9201	.6269	1.070	.0054	.0024	2.678	.0024	.0001	.0023	.0007
#2	.9309	.6300	1.047	.0054	.0023	2.696	.0024	.0000	.0009	.0013
#3	.9302	.5685	1.060	.0054	.0023	2.701	.0024	.0009	.0005	-0.0001
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	2.419	.0006	.0084	.0189	-0.0012	.0022	.0066			
Stddev	.001	.0003	.0001	.0004	.0004	.0002	.0001			
%RSD	.0255	42.50	.8632	28.59	31.22	10.83	.9410			
#1	2.420	.0008	.0084	.0251	-0.0008	.0021	.0067			
#2	2.419	.0007	.0085	.0160	-0.0015	.0025	.0065			
#3	2.420	.0003	.0084	.0155	-0.0012	.0021	.0066			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2330.6	6763.4	45564.	3714.9						
Stddev	2.0	11.2	305.	2.9						
%RSD	.08507	.16490	.66864	.07848						
#1	2332.6	6775.1	45321.	3714.0						
#2	2328.7	6762.3	45465.	3718.2						
#3	2330.5	6752.8	45906.	3712.5						

Sample Name: FA38934-16 Acquired: 11/29/2016 14:17:10 Type: Unk
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

Raw Data MA13606 page 97 of 151

Sample Name: FA38934-17 Acquired: 11/29/2016 14:21:22 Type: Unk
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

Raw Data MA13606 page 98 of 151

Sample Name: FA38935-1 Acquired: 11/29/2016 14:25:34 Type: Unk
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

Raw Data MA13606 page 99 of 151

Sample Name: FA38935-2 Acquired: 11/29/2016 14:29:45 Type: Unk
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and Int. Std. values.

Raw Data MA13606 page 100 of 151

7.1

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Sample Name: FA38935-3 Acquired: 11/29/2016 14:33:59 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.001	.2505	.0001	.0110	.0000	22.12	.0001	-.0001	.0021	.0003
Stddev	.0001	.0046	.0002	.0001	.0000	.12	.0000	.0001	.0002	.0001
%RSD	145.6	1.839	168.0	.5902	130.9	5.614	39.33	87.79	11.08	23.07
#1	.0001	.2451	.0004	.0109	-.0001	22.27	.0001	.0000	.0019	.0003
#2	-.0001	.2531	.0000	.0110	-.0000	22.06	.0000	-.0001	.0019	.0003
#3	-.0002	.2531	.0000	.0110	-.0001	22.05	.0001	-.0002	.0023	.0004
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0186	.6517	.8959	.0004	.0039	4.049	.0000	-.0011	-.0003	.0007
Stddev	.0026	.0243	.0377	.0000	.0001	.012	.0001	.0006	.0005	.0020
%RSD	13.72	3.732	4.211	2.796	2.528	.2894	634.3	53.00	200.3	312.4
#1	.0215	.6384	.8603	.0004	.0039	4.063	.0001	-.0011	-.0001	.0030
#2	.0166	.6369	.9354	.0004	.0040	4.046	.0000	-.0016	-.0009	-.0004
#3	.0178	.6798	.8921	.0004	.0039	4.040	.0000	-.0005	.0002	-.0006
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	1.963	.0000	.2161	.0011	-.0009	.0017	.0010			
Stddev	.004	.000	.0014	.0001	.0004	.0000	.0001			
%RSD	.2034	1600.	.6375	7.888	46.32	.7541	5.569			
#1	1.961	.0000	.2177	.0011	-.0009	.0017	.0009			
#2	1.968	.0001	.2158	.0010	-.0014	.0017	.0010			
#3	1.960	-.0001	.2150	.0011	-.0005	.0017	.0010			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2293.5	6695.0	45315.	3726.7						
Stddev	6.0	3.4	236.	26.0						
%RSD	.26294	.05131	.51995	.69643						
#1	2287.6	6693.0	45048.	3697.2						
#2	2299.6	6693.1	45495.	3736.9						
#3	2293.2	6699.0	45401.	3745.9						

Sample Name: FA38935-5 Acquired: 11/29/2016 14:42:28 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0001	.5135	-.0010	.0064	.0000	.2283	.0000	.0000	.0015	.0035
Stddev	.0005	.0128	.0001	.0001	.0000	.0008	.0000	.0001	.0001	.0006
%RSD	460.9	2.485	11.96	2.169	304.7	.3373	144.9	741.7	8.681	15.81
#1	-.0002	.5280	-.0010	.0064	.0000	.2275	.0000	-.0001	.0015	.0040
#2	-.0006	.5040	-.0011	.0064	.0000	.2286	.0001	.0001	.0016	.0037
#3	-.0001	.5086	-.0008	.0062	.0000	.2289	.0000	.0001	.0013	.0029
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.1186	.2371	.9677	.0025	-.0001	3.569	.0010	.0004	.0010	.0011
Stddev	.0008	.0432	.0154	.0001	.0001	.012	.0001	.0000	.0004	.0014
%RSD	.6552	18.22	1.595	2.862	45.91	.3412	10.29	4.669	39.66	1222.
#1	.1178	.2202	.9786	.0025	-.0001	3.582	.0011	.0003	.0007	-.0002
#2	.1187	.2862	.9744	.0025	-.0002	3.558	.0009	.0004	.0008	.0017
#3	.1193	.2050	.9500	.0026	-.0001	3.566	.0010	.0004	.0015	-.0011
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	1.826	.0003	.0048	.0184	-.0013	.0006	.0042			
Stddev	.007	.0002	.0001	.0001	.0007	.0002	.0000			
%RSD	.3903	59.66	1.687	.7001	58.99	31.99	.1473			
#1	1.834	.0005	.0048	.0183	-.0019	.0007	.0042			
#2	1.826	.0003	.0049	.0185	-.0004	.0004	.0042			
#3	1.820	.0001	.0048	.0186	-.0014	.0006	.0042			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2337.9	6761.5	45585.	3732.2						
Stddev	1.2	9.3	193.	52.7						
%RSD	.05171	.13758	.42431	1.4115						
#1	2338.8	6751.6	45634.	3673.7						
#2	2338.4	6762.8	45372.	3747.1						
#3	2336.5	6770.0	45750.	3775.8						

Sample Name: FA38935-4 Acquired: 11/29/2016 14:38:13 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0002	.0252	-.0007	.0015	.0001	.8510	.0000	.0000	.0035	.0012
Stddev	.0001	.0099	.0002	.0001	.0001	.0032	.0000	.0001	.0003	.0001
%RSD	31.39	39.39	27.13	6.119	70.76	3793	141.4	256.3	7.200	4.496
#1	-.0002	.0260	-.0008	.0014	.0001	.8483	.0000	.0000	.0032	.0012
#2	-.0003	.0149	-.0006	.0016	.0000	.8501	.0000	-.0001	.0037	.0011
#3	-.0002	.0346	-.0005	.0016	.0001	.8545	-.0001	.0002	.0035	.0012
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0255	.1072	.3378	.0013	.0004	2.534	.0023	.0000	.0002	.0008
Stddev	.0002	.0263	.0170	.0000	.0001	.006	.0001	.0004	.0004	.0013
%RSD	.6458	24.52	5.033	1.389	23.16	.2562	5.124	3605.	151.7	151.5
#1	.0253	.0787	.3182	.0013	.0004	2.539	.0023	.0000	.0006	.0003
#2	.0256	.1123	.3475	.0013	.0005	2.527	.0022	.0004	.0000	.0023
#3	.0255	.1306	.3477	.0013	.0003	2.535	.0025	-.0004	.0001	-.0001
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	1.203	.0003	.0036	.0003	-.0013	.0001	.0025			
Stddev	.004	.0001	.0001	.0001	.0003	.0002	.0000			
%RSD	.3757	35.41	2.460	23.56	20.21	332.5	1.314			
#1	1.208	.0002	.0035	.0003	-.0010	.0002	.0025			
#2	1.202	.0003	.0036	.0002	-.0014	-.0001	.0025			
#3	1.200	.0003	.0037	.0003	-.0014	.0001	.0026			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2347.4	6775.5	45937.	3704.4						
Stddev	10.8	6.7	48.	36.6						
%RSD	.45990	.09851	.10509	.98855						
#1	2358.2	6777.8	45882.	3666.5						
#2	2347.4	6780.6	45954.	3707.0						
#3	2336.6	6767.9	45974.	3739.6						

Sample Name: CCV Acquired: 11/29/2016 14:46:41 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.36	39.85	2.013	2.025	2.008	40.06	2.049	2.037	2.003	1.958
Stddev	.0006	.15	.009	.005	.009	.14	.005	.002	.006	.006
%RSD	2.262	.3687	4.367	.2635	4.370	.3613	2.303	.0963	.2943	.3139
#1	24.39	40.02	2.007	2.031	2.018	40.22	2.044	2.035	1.998	1.951
#2	24.29	39.78	2.023	2.023	2.002	39.93	2.050	2.038	2.004	1.963
#3	24.39	39.75	2.009	2.021	2.004	40.03	2.053	2.039	2.009	1.960
Check ?	Chk	PassChk	PassChk	PassChk	PassChk	PassChk	PassChk	PassChk	PassChk	PassChk
Value										
Range										
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	38.55	39.02	39.18	2.005	2.066	40.34	2.017	2.022	2.020	2.001
Stddev	.16	.19	.28	.004	.004	.12	.002	.003	.004	.004
%RSD	.4163	.4984	.7047	.2107	.1931	.3043	.0958	.1629	.2200	.2266
#1	38.72	39.19	39.45	2.006	2.062	40.47	2.016	2.019	2.022	1.996
#2	38.41	38.81	38.89	2.001	2.069	40.22	2.019			

Sample Name: CCV Acquired: 11/29/2016 14:46:41 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2072.8	6540.1	43544.	3715.5
Stddev	3.9	12.0	244.	33.3
%RSD	.18934	.18357	.56045	.89542
#1	2077.1	6553.8	43421.	3687.4
#2	2069.4	6535.1	43825.	3752.2
#3	2072.0	6531.4	43386.	3706.7

Sample Name: CCB Acquired: 11/29/2016 14:50:36 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	-0.102	.0007	-0.001	.0002	-0.004	.0001	.0001	.0000
Stddev	.0003	.0062	.0005	.0001	.0001	.0030	.0000	.0001	.0002
%RSD	207.9	60.62	67.71	202.6	43.57	762.4	27.91	129.4	612.5
#1	.0002	-.0049	.0001	.0000	.0002	.0005	.0002	.0002	-.0002
#2	-.0002	-.0170	.0009	.0000	.0001	-.0037	.0001	.0000	.0001
#3	-.0004	-.0087	.0010	-.0002	.0002	.0020	.0001	.0001	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0090	-.0041	-.0027	.0002	F .0016	-.0189	.0001	.0002
Stddev	.000	.0013	.0280	.0127	.0001	.0004	.0040	.0001	.0003
%RSD	388.2	13.94	685.8	466.1	26.69	25.19	21.27	227.6	140.6
#1	-.0002	.0099	.0202	.0056	.0002	.0020	-.0184	.0002	.0006
#2	-.0001	.0096	-.0347	.0036	.0002	.0016	-.0151	-.0001	.0000
#3	.0001	.0076	.0023	-.0174	.0001	.0012	-.0231	.0000	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0006	.0005	-.0001	.0001	.0005	.0007	.0005	.0002
Stddev	.0010	.0009	.0006	.0001	.0001	.0000	.0004	.0001	.0000
%RSD	868.2	149.2	114.4	210.9	197.1	8.033	60.41	23.60	8.889
#1	.0010	.0000	.0005	.0001	.0001	.0004	.0003	.0006	.0002
#2	-.0010	.0017	-.0001	-.0002	.0002	.0005	.0012	.0004	.0002
#3	.0004	.0002	.0010	-.0001	-.0001	.0004	.0007	.0005	.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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Sample Name: CCB Acquired: 11/29/2016 14:50:36 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2365.1	6808.1	46038.	3753.2
Stddev	6.4	7.1	136.	24.3
%RSD	.26903	.10413	.29469	.64676
#1	2359.3	6802.9	45930.	3749.2
#2	2364.0	6805.2	46190.	3779.3
#3	2371.9	6816.1	45993.	3731.3

Sample Name: FA39011-1 Acquired: 11/29/2016 14:54:51 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0003	.0208	.0024	.1222	.0000	97.07	.0000	.0004	.0016	.0386
Stddev	.0002	.0097	.0001	.0008	.0001	.25	.0000	.0001	.0003	.0002
%RSD	71.89	46.42	5.684	6.366	67.70	2591	355.3	35.93	15.68	.6410
#1	-.0003	.0210	.0023	.1226	.0000	97.22	.0000	.0004	.0019	.0388
#2	-.0001	.0304	.0026	.1226	.0001	97.20	.0000	.0005	.0015	.0383
#3	-.0004	.0111	.0025	.1213	-.0001	96.78	.0000	.0002	.0015	.0386

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	13.86	3.792	7.308	.1237	.0052	15.09	.0010	.0005	-.0002	.0013
Stddev	.04	.035	.011	.0003	.0001	.04	.0002	.0006	.0005	.0016
%RSD	.2661	.9218	.1497	.2789	1.245	.2528	15.45	125.1	254.4	123.8
#1	13.87	3.799	7.299	.1237	.0053	15.12	.0009	-.0002	-.0003	.0003
#2	13.89	3.823	7.304	.1233	.0052	15.11	.0012	.0010	-.0007	.0031
#3	13.82	3.754	7.320	.1240	.0053	15.05	.0009	.0007	.0004	.0004

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	3.113	.0003	.3724	.0015	-.0015	.0020	.0242
Stddev	.009	.0002	.0018	.0001	.0004	.0001	.0002
%RSD	.2786	67.98	.4914	7.406	24.54	6.994	.7700
#1	3.110	.0004	.3734	.0013	-.0011	.0018	.0244
#2	3.106	.0003	.3735	.0015	-.0018	.0020	.0241
#3	3.122	.0001	.3703	.0015	-.0017	.0021	.0241

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2167.2	6505.8	43847.	3685.8
Stddev	8.0	22.5	75.	6.3
%RSD	.36859	.34544	.17155	.17065
#1	2158.2	6480.8	43828.	3681.8
#2	2169.9	6524.5	43930.	3682.5
#3	2173.4	6512.0	43783.	3693.1

Sample Name: FA39011-2 Acquired: 11/29/2016 14:59:02 Type: Unk
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3) for various elements.

Sample Name: FA39011-3 Acquired: 11/29/2016 15:03:11 Type: Unk
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3) for various elements.

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Sample Name: FA39011-4 Acquired: 11/29/2016 15:07:22 Type: Unk
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3) for various elements.

Sample Name: CCV Acquired: 11/29/2016 15:11:32 Type: QC
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (Units, Avg, Stddev, %RSD, #1, #2, #3) for various elements.

Sample Name: CCV Acquired: 11/29/2016 15:11:32 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2071.8	6521.5	4327.8	3701.1
Stddev	3.3	12.3	150.	29.3
%RSD	.16116	.18919	.34692	.79166
#1	2074.7	6520.4	43399.	3672.3
#2	2072.5	6534.3	43110.	3700.1
#3	2068.2	6509.7	43324.	3730.9

Sample Name: CCB Acquired: 11/29/2016 15:15:30 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2351.3	6792.6	45671.	3713.0
Stddev	2.3	16.3	178.	43.7
%RSD	.09622	.24049	.39019	1.1770
#1	2349.1	6776.4	45726.	3731.7
#2	2353.6	6809.1	45815.	3663.0
#3	2351.3	6792.2	45472.	3744.2

Sample Name: CCB Acquired: 11/29/2016 15:15:30 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0213	.0004	.0000	.0002	.0030	.0001	.0000	.0001
Stddev	.000	.0072	.0007	.000	.0001	.0019	.0000	.0001	.0002
%RSD	1650.	33.79	175.3	1108.	45.41	64.57	16.32	260.4	323.2
#1	.0002	-.0214	.0003	-.0001	.0003	.0025	.0001	-.0001	-.0001
#2	.0001	-.0285	-.0003	-.0001	.0002	.0051	.0001	.0001	.0001
#3	-.0003	-.0141	.0011	.0002	.0001	.0013	.0001	.0001	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0080	.0152	-.0112	.0001	F.0017	-.0226	.0000	-.0001
Stddev	.0003	.0041	.0137	.0050	.0000	.0004	.0022	.0001	.0004
%RSD	298.0	51.41	89.87	44.48	28.88	21.61	9.837	416.8	388.6
#1	.0003	.0089	.0252	-.0168	.0001	.0021	-.0203	.0001	-.0001
#2	-.0002	.0115	.0208	-.0072	.0001	.0016	-.0247	-.0001	-.0005
#3	-.0004	.0035	-.0004	-.0096	.0001	.0014	-.0228	.0001	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	-.0008	-.0002	.0001	.0001	.0004	.0005	.0003	.0001
Stddev	.0010	.0008	.0001	.0002	.0002	.0001	.0004	.0002	.0001
%RSD	206.6	99.48	57.70	125.2	167.6	35.16	80.32	74.32	121.0
#1	.0014	-.0010	-.0003	.0001	.0003	.0005	.0009	.0005	.0000
#2	-.0006	.0001	-.0003	.0003	.0001	.0003	.0003	.0000	.0002
#3	.0007	-.0014	-.0001	.0000	.0000	.0003	.0002	.0004	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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Sample Name: MP31227-MB1 Acquired: 11/29/2016 15:19:47 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	-.0056	-.0007	-.0002	.0000	.0164	.0000	-.0001	.0004	.0005
Stddev	.0005	.0091	.0005	.0002	.000	.0013	.000	.0001	.0002	.0000
%RSD	137.9	164.0	68.21	115.1	949.8	7.944	97.40	148.7	45.46	4.920
#1	-.0008	.0028	-.0012	-.0000	-.0001	.0178	-.0001	-.0001	.0002	.0005
#2	.0001	-.0153	-.0006	-.0001	.0000	.0153	.0000	.0000	.0005	.0005
#3	-.0004	-.0042	-.0003	-.0004	.0001	.0161	.0000	-.0002	.0005	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0043	-.0010	.0046	.0000	.0004	-.0025	.0000	-.0001	.0012	.0009
Stddev	.0028	.0186	.0286	.0000	.0001	.0059	.0001	.0004	.0006	.0018
%RSD	66.25	1798.	617.2	22.05	30.79	239.4	553.7	666.6	48.77	191.7
#1	.0013	.0204	-.0280	.0000	.0006	-.0070	-.0001	.0004	.0019	.0029
#2	.0069	-.0129	.0167	.0000	.0003	-.0046	.0001	-.0004	.0010	-.0005
#3	.0046	-.0106	.0252	.0000	.0004	.0042	.0001	-.0002	.0008	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0022	.0004	.0000	.0001	-.0015	.0003	.0010
Stddev	.0003	.0001	.000	.0000	.0006	.0001	.0000
%RSD	14.54	21.90	319.6	20.38	41.85	55.20	3.541
#1	.0023	.0005	.0001	.0001	-.0009	.0004	.0011
#2	.0018	.0003	-.0001	.0001	-.0021	.0002	.0010
#3	.0024	.0003	-.0001	.0001	-.0014	.0002	.0010

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP31227-MB1 Acquired: 11/29/2016 15:19:47 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2332.7	6733.6	45764.	3706.9
Stddev	2.9	13.7	183.	26.3
%RSD	.12500	.20277	.40018	.70945
#1	2329.9	6722.1	45900.	3680.9
#2	2335.7	6730.1	45836.	3706.2
#3	2332.3	6748.7	45556.	3733.5

Sample Name: MP31227-B1 Acquired: 11/29/2016 15:24:03 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0450	28.34	1.979	2.117	.0528	26.65	.0518	.5162	.2028	.2466
Stddev	.0006	.10	.007	.008	.0001	.15	.0002	.0008	.0022	.0023
%RSD	1.276	.3440	.3454	.3715	.2704	.5738	.3595	.1572	1.068	.9415
#1	.0457	28.38	1.979	2.120	.0527	26.68	.0520	.5166	.2035	.2481
#2	.0449	28.23	1.986	2.108	.0530	26.48	.0518	.5169	.2045	.2478
#3	.0445	28.42	1.972	2.123	.0528	26.78	.0516	.5153	.2003	.2439

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.95	25.56	25.32	.5075	.5301	26.35	.5143	.5020	.5082	1.982
Stddev	.16	.08	.11	.0019	.0011	.10	.0020	.0018	.0010	.007
%RSD	.5898	.3285	.4357	.3829	.2063	.3960	.3868	.3611	.2043	.3331
#1	26.91	25.61	25.23	.5093	.5308	26.37	.5158	.5040	.5071	1.982
#2	26.82	25.47	25.29	.5078	.5307	26.24	.5149	.5005	.5092	1.989
#3	27.13	25.62	25.44	.5055	.5289	26.44	.5120	.5015	.5083	1.976

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0026	.5101	.5171	.5080	2.021	.4813	.5149
Stddev	.0003	.0009	.0024	.0033	.002	.0008	.0013
%RSD	11.51	.1734	.4711	.6431	.0950	.1764	.2453
#1	.0027	.5110	.5186	.5097	2.021	.4803	.5161
#2	.0023	.5101	.5143	.5101	2.022	.4817	.5150
#3	.0029	.5092	.5183	.5043	2.018	.4818	.5136

Check ? None Chk Pass None None Chk PassChk PassChk Pass Value Range

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Sample Name: MP31227-B1 Acquired: 11/29/2016 15:24:03 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2140.3	6572.7	44243.	3662.7
Stddev	6.0	14.9	204.	22.6
%RSD	.28144	.22687	.46003	.61665
#1	2133.4	6557.6	44048.	3674.0
#2	2144.1	6572.9	44226.	3677.3
#3	2143.5	6587.5	44454.	3636.6

Sample Name: FA38959-1F Acquired: 11/29/2016 15:28:01 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0036	.0217	-0.0055	.0065	-0.0002	444.1	.0007	-0.0001	-0.048
Stddev	.0025	.0155	.0054	.0010	.0003	.5	.0003	.0005	.0005
%RSD	68.23	71.50	98.95	15.92	132.1	.1083	39.16	387.2	10.81
#1	-0.0051	.0173	.0003	.0073	-0.0001	444.6	.0004	.0004	.0054
#2	-0.0008	.0089	-0.0104	.0069	.0000	444.2	.0009	-0.0001	.0046
#3	-0.0051	.0389	-0.0064	.0054	-0.0006	443.6	.0008	-0.0007	.0044

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1586	.0281	F447.2	1400.	.0001	.0072	F3957.	.0003	-0.109
Stddev	.0008	.0201	1.6	5.	.0002	.0012	61.	.0003	.0010
%RSD	.4901	71.47	.3512	.3582	198.2	16.96	1.531	79.53	9.350
#1	.1592	.0167	446.3	1406.	.0000	.0086	3995.	.0004	-0.120
#2	.1589	.0512	446.2	1397.	.0004	.0066	3989.	.0000	-0.100
#3	.1577	.0163	449.0	1397.	-0.0001	.0064	3887.	.0005	-0.106

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	-0.0020	.0081	.0157	-0.0010	8.155	.0052	-0.0039	.0010	.0358
Stddev	.0017	.0057	.0016	.0010	.012	.0001	.0022	.0002	.0003
%RSD	82.51	70.85	9.980	99.98	.1452	2.866	56.54	23.62	.9333
#1	-0.0035	.0104	.0156	-0.0019	8.143	.0051	-0.0031	.0008	.0359
#2	-0.0024	.0122	.0141	.0000	8.156	.0054	-0.0063	.0010	.0361
#3	-0.0002	.0015	.0173	-0.0010	8.167	.0052	-0.0022	.0012	.0354

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1662.4	5478.1	36191.	3526.1
Stddev	4.0	6.9	42.	20.9
%RSD	.24049	.12539	.11705	.59384
#1	1664.5	5483.7	36159.	3508.2
#2	1664.9	5480.2	36239.	3521.1
#3	1657.8	5470.5	36175.	3549.1

Sample Name: MP31227-D1 Acquired: 11/29/2016 15:32:22 Type: Unk
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.021	-0.411	-0.054	0.060	0.000	464.5	0.006	-0.002	0.023
Stddev	.0018	.0501	.0037	.0008	.0002	1.6	.0002	.0010	.0006
%RSD	83.68	121.8	69.29	12.92	791.5	.3509	36.95	476.1	25.05
#1	-0.004	-0.834	-0.025	.0053	.0002	463.7	.0006	-0.011	.0021
#2	-0.039	.0142	-0.040	.0059	-0.002	466.4	.0004	-0.004	.0030
#3	-0.020	-0.541	-0.096	.0069	.0001	463.4	.0008	.0009	.0019
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.666	-0.187	F478.6	1471.	.0006	.0061	F3720.	.0002	-0.168
Stddev	.0010	.0314	1.8	2.	.0003	.0012	69.	.0013	.0051
%RSD	.6058	168.1	.3831	.1309	50.69	20.00	1.854	540.4	30.28
#1	.1676	-0.123	478.7	1469.	.0006	.0051	3758.	.0015	-0.225
#2	.1667	-0.0527	480.3	1473.	.0009	.0074	3762.	.0003	-0.148
#3	.1656	.0091	476.7	1470.	.0003	.0056	3640.	-0.011	-0.129
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0012	-0.010	.0159	.0006	8.576	.0047	-0.075	-0.003	.0227
Stddev	.0044	.0022	.0009	.0010	.016	.0003	.0047	.0002	.0003
%RSD	356.3	225.6	5.693	181.2	.1845	6.113	63.44	54.74	1.224
#1	.0050	.0004	.0154	.0003	8.560	.0044	-0.024	-0.005	.0230
#2	-0.037	.0001	.0153	.0017	8.592	.0049	-0.118	-0.001	.0224
#3	.0024	-0.034	.0169	-0.003	8.576	.0049	-0.081	-0.003	.0228
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2064.6	6523.0	4390.0	3711.6					
Stddev	.9	9.1	136.	11.7					
%RSD	.04155	.13932	.30956	.31492					
#1	2064.9	6531.9	4394.2	3725.0					
#2	2063.7	6513.7	4401.1	3706.5					
#3	2065.3	6523.4	4374.9	3703.4					

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Sample Name: CCV Acquired: 11/29/2016 15:36:44 Type: QC
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.386	39.61	1.995	2.033	1.983	39.73	2.048	2.037	1.989	1.929
Stddev	.0009	.06	.005	.002	.003	.04	.003	.001	.005	.008
%RSD	.3941	.1542	.2435	.0933	.1586	.1077	.1243	.0628	.2525	.4358
#1	2.394	39.68	1.990	2.035	1.986	39.78	2.046	2.035	1.985	1.928
#2	2.376	39.57	1.999	2.032	1.982	39.71	2.051	2.038	1.987	1.921
#3	2.387	39.58	1.996	2.032	1.980	39.70	2.049	2.037	1.995	1.937
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	38.08	38.53	38.40	1.971	2.063	38.75	2.000	2.022	2.014	1.981
Stddev	.05	.05	.13	.004	.003	.02	.002	.003	.005	.005
%RSD	.1378	.1285	.3273	.2249	.1433	.0504	.0936	.1245	.2570	.2729
#1	38.14	38.55	38.31	1.974	2.059	38.72	1.999	2.024	2.008	1.975
#2	38.05	38.57	38.54	1.966	2.064	38.75	2.002	2.022	2.019	1.982
#3	38.04	38.48	38.34	1.974	2.065	38.76	1.999	2.019	2.014	1.986
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm			
Avg	2.140	1.998	2.024	1.986	2.038	2.033	2.039			
Stddev	.004	.001	.002	.004	.001	.005	.003			
%RSD	.1875	.0326	.1007	.1897	.0652	.2363	.1352			
#1	2.135	1.998	2.026	1.987	2.039	2.033	2.038			
#2	2.143	1.999	2.024	1.982	2.038	2.037	2.042			
#3	2.141	1.997	2.022	1.989	2.036	2.027	2.037			
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass			
Value										
Range										

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Sample Name: CCB Acquired: 11/29/2016 15:40:40 Type: QC
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.095	.0006	.0002	.0002	.0018	.0001	.0001	.0002
Stddev	.0005	.0127	.0002	.0002	.0001	.0037	.0000	.0001	.0002
%RSD	1791.0	133.7	25.95	120.2	65.94	205.9	40.53	94.19	113.0
#1	-0.003	-0.178	.0005	.0002	.0001	.0038	.0001	.0000	.0000
#2	-0.002	-0.159	.0008	.0003	.0002	-0.025	.0001	.0001	.0002
#3	.0005	.0051	.0005	-0.001	.0003	.0041	.0000	.0001	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0066	.0593	.0200	.0002	F.0017	.1145	.0001	.0000
Stddev	.0003	.0038	.0379	.0102	.0001	.0003	.0062	.0002	.001
%RSD	2100.	58.43	63.96	50.93	39.85	18.55	5.388	232.1	1785.
#1	-0.003	.0110	.1026	.0175	.0001	.0020	.1075	-0.001	-0.004
#2	.0000	.0048	.0436	.0113	.0002	.0016	.1175	.0000	.0006
#3	.0003	.0040	.0318	.0312	.0002	.0014	.1187	.0003	-0.003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-0.0010			
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	-0.004	-0.003	.0002	.0001	.0003	.0008	.0002	.0004
Stddev	.0003	.0006	.0000	.0002	.0001	.0001	.0002	.0004	.0001
%RSD	46.32	159.7	10.19	121.2	63.36	24.30	19.76	201.9	15.27
#1	.0005	-0.005	-0.003	.0004	.0001	.0003	.0009	-0.001	.0004
#2	.0011	-0.008	-0.004	.0002	.0000	.0004	.0007	.0006	.0004
#3	.0006	.0003	-0.003	-0.001	.0002	.0003	.0007	.0001	.0003
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 11/29/2016 15:40:40 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2354.5	6803.4	4608.7	3718.4
Stddev	3.7	11.6	128.	19.5
%RSD	.15628	.17051	.27690	.52354
#1	2350.3	6816.7	46226.	3707.8
#2	2356.0	6796.9	46058.	3740.9
#3	2357.2	6796.4	45976.	3706.6

Sample Name: MP31227-SD1 Acquired: 11/29/2016 15:44:55 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.016	-2.918	.0016	.0102	.0003	481.4	.0008	-.0006	.0040
Stddev	.0030	.1323	.0171	.0034	.0004	1.1	.0014	.0026	.0081
%RSD	189.2	45.32	1056.	33.49	147.3	.2214	168.8	442.6	201.9
#1	-.0030	-.4417	-.0084	.0063	.0002	482.1	.0005	-.0013	-.0053
#2	-.0036	-.2425	-.0082	.0129	.0007	481.9	-.0003	-.0028	.0075
#3	.0018	-.1913	.0214	.0113	-.0001	480.2	.0023	.0023	.0098
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1611	-.0436	478.4	1474.	.0137	.0075	F9695.	-.0044	-.0227
Stddev	.0010	.0645	1.9	8.	.0009	.0035	22.	.0014	.0095
%RSD	.6198	147.9	.3967	.5391	6.736	46.42	.2273	30.89	41.86
#1	.1599	-.0361	478.5	1476.	.0132	.0115	9676.	-.0059	-.0317
#2	.1617	-.1115	480.3	1481.	.0132	.0060	9720.	-.0033	-.0236
#3	.1616	.0168	476.5	1466.	.0148	.0050	9691.	-.0040	-.0128
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0106	.0085	-.0087	.0139	8.522	.0147	-.0014	-.0015	.1094
Stddev	.0456	.0270	.0056	.0111	.024	.0026	.0197	.0060	.0010
%RSD	428.5	316.4	64.85	79.69	.2764	17.91	1366.	405.4	8743
#1	.0013	.0019	-.0035	.0221	8.536	.0165	-.0102	-.0014	.1102
#2	.0278	.0382	-.0078	.0182	8.534	.0159	-.0152	-.0075	.1096
#3	-.0610	-.0145	-.0147	.0013	8.495	.0117	.0211	.0044	.1083
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1963.9	6200.7	40975.	3660.8					
Stddev	3.9	13.4	107.	11.0					
%RSD	.19684	.21534	.26100	.30006					
#1	1963.2	6185.8	40940.	3672.3					
#2	1968.1	6211.6	41095.	3650.4					
#3	1960.4	6204.7	40890.	3659.6					

7.1
7

Sample Name: MP31227-PS1 Acquired: 11/29/2016 15:49:17 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	.0479	2.620	.1094	.2817	.0519	427.2	.0527	.0505	.0546
Stddev	.0020	.067	.0015	.0020	.0003	1.8	.0004	.0005	.0012
%RSD	4.276	2.548	1.360	.7188	.6439	.4132	.6734	1.020	2.109
#1	.0474	2.676	.1107	.2811	.0520	428.3	.0530	.0501	.0557
#2	.0462	2.546	.1098	.2840	.0521	425.2	.0523	.0503	.0534
#3	.0502	2.640	.1078	.2801	.0515	428.1	.0526	.0510	.0547
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2573	3.067	F450.9	1338.	.0533	.1107	F3669.	.1000	.0382
Stddev	.0045	.019	1.9	4.	.0007	.0012	4.	.0004	.0010
%RSD	1.753	.6178	.4301	.2971	1.272	1.066	.1081	.4429	2.529
#1	.2591	3.054	451.8	1339.	.0540	.1108	3672.	.0996	.0389
#2	.2521	3.059	452.3	1334.	.0532	.1095	3665.	.1001	.0385
#3	.2606	3.089	448.7	1341.	.0526	.1119	3670.	.1005	.0371
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1188	.1157	.0225	.0455	7.845	.1074	.0920	.0504	.3007
Stddev	.0018	.0112	.0023	.0015	.025	.0002	.0071	.0022	.0007
%RSD	1.550	9.707	10.30	3.209	.3163	.2292	7.762	4.335	.2301
#1	.1168	.1248	.0252	.0452	7.872	.1076	.0840	.0505	.3013
#2	.1192	.1032	.0212	.0471	7.840	.1074	.0978	.0526	.3000
#3	.1205	.1193	.0211	.0442	7.823	.1071	.0941	.0482	.3009
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1665.2	5485.5	36236.	3521.1					
Stddev	3.0	5.7	94.	28.7					
%RSD	.17839	.10445	.26026	.81480					
#1	1661.8	5479.8	36136.	3531.5					
#2	1666.9	5491.3	36250.	3543.1					
#3	1667.0	5485.4	36323.	3488.6					

Sample Name: MP31227-S1 Acquired: 11/29/2016 15:53:35 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0526	29.45	2.325	2.204	.0542	455.6	.0526	.5129	.2099
Stddev	.0009	.18	.005	.002	.0010	3.1	.0001	.0016	.0022
%RSD	1.617	.6129	.2226	.0782	1.847	.6903	.1098	.3047	1.070
#1	.0522	29.65	2.331	2.206	.0550	459.0	.0526	.5117	.2073
#2	.0519	29.35	2.321	2.203	.0545	455.0	.0525	.5124	.2111
#3	.0535	29.34	2.323	2.203	.0530	452.7	.0526	.5147	.2113
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4249	27.51	F479.4	1394.	.5339	.5470	F3676.	.5148	.5143
Stddev	.0042	.24	1.5	13.	.0018	.0008	40.	.0012	.0027
%RSD	.9790	.8751	.3204	.9123	.3437	.1478	1.091	.2262	.5306
#1	.4216	27.68	480.8	1406.	.5353	.5475	3680.	.5161	.5111
#2	.4234	27.61	479.7	1394.	.5318	.5461	3713.	.5139	.5158
#3	.4295	27.23	477.8	1381.	.5344	.5475	3634.	.5143	.5159
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5751	2.318	.0146	.0506	8.498	.5348	1.989	.5041	.5589
Stddev	.0058	.008	.0016	.0012	.021	.0017	.005	.0025	.0008
%RSD	1.001	.3593	10.66	.2426	.2504	.3264	.2381	.4928	.1498
#1	.5699	2.325	.0130	.0571	8.522	.5359	1.991	.5061	.5598
#2	.5741	2.308	.0148	.0563	8.490	.5328	1.983	.5013	.5586
#3	.5813	2.320	.0161	.0547	8.482	.5358	1.992	.5049	.5582
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1659.4	5508.8	36337.	3514.5					
Stddev	2.3	7.7	112.	34.6					
%RSD	.13873	.13940	.30927	.98535					
#1	1657.4	5501.1	36358.	3479.5					
#2	1658.9	5516.5	36438.	3515.0					
#3	1661.9	5508.8	36216.	3548.8					

Sample Name: MP31227-S2 Acquired: 11/29/2016 15:57:45 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0556	32.44	2.535	2.418	.0593	497.6	.0573	.5601	2.297
Stddev	.0019	.09	.004	.004	.0011	.9	.0004	.0006	.0029
%RSD	3.406	.2645	.1600	.1684	1.808	.1723	.6541	.1006	1.254
#1	.0551	32.53	2.539	2.417	.0597	497.3	.0575	.5604	2.296
#2	.0539	32.41	2.531	2.414	.0601	496.9	.0576	.5594	2.327
#3	.0576	32.36	2.536	2.422	.0581	498.5	.0569	.5604	2.269
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4609	30.06	F521.2	1519.	.5808	.5967	F3702.	.5567	.5622
Stddev	.0021	.03	2.4	7.	.0032	.0001	16.	.0010	.0017
%RSD	.4482	.1106	.4694	.4330	.5463	.0215	.4286	.1789	.2997
#1	.4608	30.05	520.4	1518.	.5818	.5967	3717.	.5562	.5613
#2	.4630	30.04	519.2	1513.	.5835	.5965	3686.	.5578	.5611
#3	.4589	30.10	523.9	1526.	.5773	.5968	3702.	.5560	.5641
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.6270	2.539	.0176	.5498	9.299	.5847	2.182	.5518	.6150
Stddev	.0020	.017	.0021	.0002	.006	.0023	.019	.0020	.0022
%RSD	.3139	.6662	12.11	.0306	.0656	.3969	.8526	.3636	.3650
#1	.6260	2.542	.0152	.5496	9.305	.5844	2.202	.5508	.6161
#2	.6258	2.520	.0191	.5499	9.299	.5871	2.165	.5541	.6164
#3	.6293	2.554	.0186	.5499	9.293	.5825	2.180	.5505	.6124
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1637.1	5465.3	36164.	3518.2					
Stddev	1.1	5.2	174.	31.3					
%RSD	.06790	.09516	.48080	.88896					
#1	1635.8	5459.8	36156.	3543.9					
#2	1637.6	5465.8	35995.	3527.2					
#3	1637.8	5470.2	36342.	3483.4					

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Sample Name: FA38959-2F Acquired: 11/29/2016 16:01:55 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0024	-0.0627	-0.0030	.0066	.0004	447.0	.0004	.0004	.0048
Stddev	.0005	.0075	.0033	.0009	.0007	.7	.0002	.0001	.0016
%RSD	21.64	12.03	110.8	13.98	167.0	.1633	52.43	19.51	33.46
#1	-0.0020	-0.0547	.0006	.0063	-.0002	447.8	.0006	.0003	.0038
#2	-0.0022	-0.0638	-.0060	.0076	.0003	446.5	.0002	.0005	.0039
#3	-0.0030	-0.0696	-.0036	.0058	.0012	446.6	.0003	.0004	.0066
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0437	.0357	F468.0	1416.	.0002	.0071	F3648.	.0326	-.0107
Stddev	.0012	.0190	.9	3.	.0001	.0001	45.	.0011	.0007
%RSD	2.729	53.15	.1927	.1929	62.28	1.747	1.227	3.485	6.367
#1	.0423	.0175	469.0	1418.	.0000	.0072	3684.	.0337	-.0100
#2	.0443	.0553	467.4	1413.	.0002	.0072	3662.	.0328	-.0110
#3	.0444	.0342	467.6	1418.	.0002	.0070	3598.	.0314	-.0112
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0025	-.0047	.0178	-.0009	8.263	.0046	-.0065	.0916	.2396
Stddev	.0044	.0052	.0011	.0006	.019	.0007	.0033	.0021	.0004
%RSD	171.8	110.5	6.250	66.93	.2300	15.14	50.88	2.322	.1612
#1	.0006	.0004	.0172	-.0017	8.278	.0053	-.0103	.0918	.2399
#2	-.0007	-.0045	.0191	-.0005	8.242	.0039	-.0048	.0894	.2397
#3	-.0075	-.0101	.0173	-.0006	8.268	.0046	-.0044	.0936	.2392
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1655.8	5449.9	36050.	3510.0					
Stddev	2.6	3.8	143.	10.5					
%RSD	.15772	.07020	.39578	.29779					
#1	1658.5	5447.3	35968.	3506.0					
#2	1653.4	5454.3	36215.	3502.1					
#3	1655.4	5448.2	35967.	3521.9					

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7.1
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Sample Name: FA38959-3F Acquired: 11/29/2016 16:06:13 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0015	-0.0098	-0.0017	.0066	.0003	440.9	.0006	-.0004	.0031
Stddev	.0002	.0266	.0028	.0005	.0001	.7	.0004	.0007	.0012
%RSD	14.57	270.4	168.9	6.870	37.65	.1505	68.65	170.8	39.53
#1	-.0013	.0207	.0015	.0068	.0002	441.2	.0007	-.0007	.0044
#2	-.0014	-.0282	-.0026	.0061	.0002	441.3	.0010	-.0009	.0024
#3	-.0017	-.0220	-.0039	.0069	.0004	440.1	.0002	.0004	.0023
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0173	.0138	F461.5	1399.	-.0001	.0060	F3477.	.0212	-.0166
Stddev	.0005	.0035	1.5	5.	.0001	.0002	48.	.0004	.0014
%RSD	2.866	25.24	.3142	.3807	44.89	3.340	1.368	2.109	8.297
#1	.0168	.0178	461.7	1395.	-.0002	.0058	3526.	.0216	-.0176
#2	.0178	.0126	462.9	1405.	-.0001	.0062	3473.	.0214	-.0151
#3	.0174	.0111	460.0	1398.	-.0001	.0062	3431.	.0207	-.0173
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0042	.0030	.0156	-.0017	8.153	.0047	-.0029	.0497	.1465
Stddev	.0073	.0099	.0003	.0010	.003	.0002	.0034	.0026	.0009
%RSD	174.7	326.7	1.644	62.32	.0304	4.252	117.5	5.140	.6252
#1	.0026	-.0045	.0157	-.0010	8.151	.0045	-.0066	.0468	.1461
#2	-.0033	-.0006	.0153	-.0029	8.155	.0047	.0002	.0515	.1459
#3	-.0118	.0143	.0157	-.0011	8.155	.0049	-.0024	.0509	.1476
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1661.6	5460.6	35921.	3509.9					
Stddev	1.4	7.8	155.	13.0					
%RSD	.08229	.14252	.43154	.37013					
#1	1663.2	5465.7	35844.	3502.2					
#2	1660.5	5464.5	35820.	3502.5					
#3	1661.2	5451.7	36100.	3524.9					

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Sample Name: FA38959-4F Acquired: 11/29/2016 16:10:34 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0021	-0.0632	-0.0057	.0064	.0000	461.9	.0004	.0004	.0035
Stddev	.0013	.0083	.0027	.0004	.000	1.6	.0001	.0001	.0010
%RSD	62.54	13.07	46.67	6.930	350.3	.3372	25.12	21.91	28.70
#1	-.0037	-.0647	-.0087	.0059	-.0001	460.2	.0003	.0004	.0031
#2	-.0013	-.0543	-.0044	.0068	.0001	462.4	.0004	.0003	.0047
#3	-.0014	-.0706	-.0039	.0064	-.0002	463.2	.0005	.0005	.0028
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0549	.0363	F483.0	1468.	.0006	.0070	F3450.	.0409	-.0122
Stddev	.0019	.0107	3.0	4.	.0002	.0009	8.	.0004	.0012
%RSD	3.450	29.48	.6270	.2908	36.79	12.44	.2329	.8693	10.16
#1	.0569	.0410	482.1	1464.	.0004	.0068	3451.	.0413	-.0130
#2	.0531	.0241	480.5	1468.	.0005	.0079	3457.	.0406	-.0108
#3	.0547	.0439	486.3	1472.	.0008	.0062	3441.	.0407	-.0130
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y								

Sample Name: FA38959-5F Acquired: 11/29/2016 16:14:54 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.008	-0.0452	-0.0043	0.062	0.003	428.8	0.004	0.004	0.040
Stddev	0.008	0.0425	0.0014	0.006	0.002	1.7	0.004	0.004	0.005
%RSD	100.4	94.15	32.44	9.077	56.08	4.009	112.8	91.87	13.47
#1	-0.001	-0.0647	-0.0045	0.057	0.002	430.6	0.000	0.008	0.039
#2	-0.017	-0.0744	-0.0028	0.068	0.005	428.6	0.008	0.002	0.035
#3	-0.007	0.0036	-0.0056	0.061	0.002	427.2	0.004	0.001	0.046
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.261	-0.153	F447.7	1.364	0.001	0.005	F3340	0.230	-0.122
Stddev	0.019	0.105	2.2	5.	0.003	0.005	73.	0.011	0.026
%RSD	7.141	68.69	4932	3362	287.6	9.176	2.181	4.654	21.18
#1	0.272	-0.222	448.9	1369.	0.003	0.049	3424.	0.227	-0.112
#2	0.239	-0.204	449.0	1362.	-0.003	0.055	3309.	0.221	-0.151
#3	0.272	-0.032	445.2	1361.	0.003	0.046	3289.	0.242	-0.102
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.024	0.028	0.232	-0.014	7.925	0.048	-0.068	0.479	1.460
Stddev	0.055	0.030	0.019	0.012	0.15	0.006	0.065	0.014	0.001
%RSD	229.2	105.4	8.175	84.00	1.881	13.47	96.00	2.955	0.450
#1	-0.079	0.044	0.251	-0.003	7.939	0.048	-0.064	0.484	1.460
#2	0.031	-0.006	0.232	-0.027	7.927	0.041	-0.135	0.463	1.461
#3	-0.024	0.048	0.213	-0.014	7.909	0.054	-0.005	0.490	1.459
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1666.8	5482.4	36084.	3524.3					
Stddev	2.1	6.9	183.	27.8					
%RSD	0.12673	0.12577	0.50804	0.78758					
#1	1666.9	5489.2	35877.	3502.6					
#2	1668.8	5482.5	36227.	3514.8					
#3	1664.6	5475.4	36148.	3555.6					

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Sample Name: FA38959-7F Acquired: 11/29/2016 16:23:32 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.024	-0.099	0.017	-0.073	0.002	444.5	0.004	0.005	-0.044
Stddev	0.016	0.111	0.008	0.013	0.006	.9	0.001	0.009	0.020
%RSD	67.66	111.7	43.39	17.44	356.7	2.055	16.13	187.5	44.86
#1	-0.022	-0.170	0.017	0.061	-0.004	444.4	0.005	0.001	0.026
#2	-0.041	-0.029	0.010	0.071	0.001	445.5	0.005	-0.001	0.041
#3	-0.009	-0.157	0.025	0.087	0.007	443.7	0.004	0.015	0.065
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.1537	0.195	F464.3	1.407	0.000	0.063	F3362	0.327	-0.006
Stddev	0.013	0.167	.6	6.	0.003	0.007	36.	0.005	0.052
%RSD	8.680	85.61	1.346	4501	1490.	10.70	1.074	1.448	875.8
#1	0.1524	0.075	463.6	1405.	-0.003	0.069	3403.	0.327	-0.026
#2	0.1536	0.124	464.7	1414.	0.003	0.056	3338.	0.331	-0.044
#3	0.1551	0.0386	464.6	1401.	0.001	0.065	3344.	0.321	0.053
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.007	0.007	0.159	0.036	8.208	0.042	-0.061	0.809	4.656
Stddev	0.0082	0.128	0.040	0.017	0.29	0.006	0.034	0.011	0.010
%RSD	111.0	1725.	25.17	47.58	3.468	14.74	56.36	1.310	2.118
#1	0.047	-0.056	0.204	0.016	8.181	0.049	-0.021	0.819	4.654
#2	0.062	0.155	0.129	0.045	8.238	0.040	-0.081	0.810	4.667
#3	-0.087	-0.077	0.143	0.047	8.204	0.037	-0.081	0.798	4.648
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1648.3	5433.6	35905.	3505.5					
Stddev	2.6	5.8	64.	15.1					
%RSD	0.15887	0.10688	0.17793	0.42971					
#1	1651.2	5434.6	35975.	3488.1					
#2	1647.6	5438.8	35850.	3513.1					
#3	1646.1	5427.3	35889.	3515.2					

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Sample Name: FA38959-6F Acquired: 11/29/2016 16:19:13 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.019	-0.377	-0.033	0.075	0.000	469.0	0.006	0.005	0.045
Stddev	0.016	0.253	0.013	0.011	0.002	1.2	0.002	0.002	0.008
%RSD	81.57	67.11	40.66	14.17	524.8	2.568	29.54	42.70	17.28
#1	-0.035	-0.103	-0.044	0.076	0.003	470.2	0.008	0.005	0.040
#2	-0.004	-0.061	-0.036	0.064	-0.002	467.8	0.007	0.003	0.054
#3	-0.019	-0.427	-0.018	0.085	0.000	469.2	0.004	0.008	0.042
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.1508	0.131	F490.2	1.494	0.013	0.062	F3469.	0.592	-0.116
Stddev	0.017	0.020	1.5	9.	0.002	0.005	61.	0.005	0.024
%RSD	1.160	1.762	3.030	5.877	14.24	8.042	1.747	0.7787	20.50
#1	0.1496	0.1150	491.9	1503.	0.013	0.065	3538.	0.597	-0.144
#2	0.1500	0.1110	489.5	1485.	0.011	0.064	3446.	0.591	-0.099
#3	0.1528	0.1132	489.3	1493.	0.015	0.056	3424.	0.588	-0.107
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0054	0.003	0.203	-0.014	8.681	0.055	-0.118	1.726	6.428
Stddev	0.054	0.099	0.010	0.008	0.18	0.008	0.029	0.037	0.023
%RSD	99.90	3329.	5.003	53.76	2.122	14.38	2.427	2.167	3503
#1	-0.099	-0.108	0.193	-0.022	8.685	0.056	-0.094	1.723	6.427
#2	-0.068	0.080	0.213	-0.012	8.661	0.047	-0.109	1.765	6.407
#3	0.005	0.037	0.204	-0.008	8.697	0.063	-0.150	1.691	6.452
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1635.8	5376.1	35360.	3451.5					
Stddev	4.8	13.3	62.	35.5					
%RSD	0.29546	0.24737	0.17589	1.0290					
#1	1632.4	5369.6	35361.	3410.5					
#2	1641.3	5391.4	35421.	3470.4					
#3	1633.6	5367.4	35297.	3473.5					

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Sample Name: CCV Acquired: 11/29/2016 16:27:51 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2401	39.63	1.994	2.021	1.984	39.72	2.040	2.030	2.001	1.946
Stddev	0.009	0.05	0.04	0.005	0.005	0.07	0.003	0.002	0.006	0.011
%RSD	0.3711	1.199	1.841	2.255	2.459	1.807	0.1261	0.0784	0.3224	0.5614
#1	2400	39.61	1.990	2.025	1.982	39.66	2.037	2.028	1.994	1.937
#2	2411	39.69	1.994	2.020	1.989	39.80	2.041	2.030	2.003	1.958
#3	2393	39.60	1.998	2.016	1.979	39.70	2.042	2.031	2.007	1.944
Check ?	Chk	PassChk	PassChk	PassChk	PassChk	PassChk	PassChk	PassChk	PassChk	PassChk
Value										
Range										
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	38.09	38.46	38.70	1.982	2.053	38.16	1.996	1.999	2.008	1.981
Stddev	0.06	0.08	0.14	0.006	0.004	0.08	0.00			

Sample Name: CCV Acquired: 11/29/2016 16:27:51 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2083.2	6551.6	4390.5	3701.2
Stddev	4.0	17.6	24.	10.0
%RSD	.19357	.26844	.05536	.26940
#1	2087.4	6569.6	4391.4	3711.3
#2	2083.0	6550.7	4392.3	3691.4
#3	2079.3	6534.4	4387.7	3701.0

Sample Name: CCB Acquired: 11/29/2016 16:31:47 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	-0.0057	.0004	.0002	.0003	.0032	.0001	.0002	.0003
Stddev	.0002	.0079	.0002	.0002	.0001	.0009	.0000	.0001	.0001
%RSD	62.82	140.5	49.77	92.51	40.12	29.50	21.82	66.65	25.67
#1	-0.004	-.0115	.0006	.0002	.0004	.0042	.0001	.0003	.0004
#2	-0.001	-.0088	.0003	.0000	.0003	.0024	.0001	.0001	.0004
#3	-0.006	.0034	.0002	.0003	.0002	.0030	.0001	.0001	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0112	.0367	.0269	.0002	F.0017	.2346	.0000	.0003
Stddev	.0002	.0041	.0279	.0233	.0000	.0004	.0179	.0001	.0002
%RSD	526.9	36.76	76.06	86.29	11.77	25.02	7.643	152.2	90.76
#1	.0002	.0148	.0114	.0302	.0002	.0021	.2463	.0001	.0004
#2	-0.002	.0121	.0320	.0484	.0002	.0015	.2436	.0000	.0004
#3	.0001	.0067	.0667	.0023	.0002	.0013	.2140	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0005	-0.0003	.0000	.0003	.0004	.0009	.0003	.0004
Stddev	.0003	.0015	.0001	.0003	.0001	.0000	.0007	.0001	.0000
%RSD	159.4	290.1	35.63	101.4	27.08	7.636	75.45	31.67	11.14
#1	-0.001	-0.001	-0.002	.0000	.0002	.0004	.0003	.0003	.0004
#2	.0001	-0.006	-0.005	-0.002	.0003	.0004	.0017	.0002	.0004
#3	.0005	.0022	-0.004	.0003	.0002	.0004	.0009	.0004	.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 11/29/2016 16:31:47 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2360.5	6814.1	4611.1	3726.2
Stddev	2.2	3.4	35.	12.0
%RSD	.09135	.04982	.07544	.32140
#1	2359.1	6811.0	4614.4	3722.2
#2	2363.0	6813.5	4607.5	3716.7
#3	2359.4	6817.7	4611.5	3739.7

Sample Name: FA38959-8F Acquired: 11/29/2016 16:36:02 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.009	-0.464	-0.0036	.0061	.0001	428.8	.0004	-.0004	.0043
Stddev	.0011	.0194	.0057	.0006	.0003	1.3	.0002	.0002	.0006
%RSD	117.4	41.84	159.8	10.57	282.9	.2950	38.69	47.18	14.13
#1	-0.005	-.0507	-0.0031	.0055	.0002	428.9	.0006	-.0003	.0046
#2	-0.022	-.0633	-0.0094	.0060	.0003	430.0	.0004	-.0006	.0047
#3	-0.001	-.0252	.0019	.0068	-.0002	427.5	.0003	-.0003	.0036

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5085	.0158	F449.8	1369.	.0007	.0074	F3732.	.0335	.0054
Stddev	.0022	.0104	2.2	6.	.0001	.0006	73.	.0006	.0011
%RSD	.4413	65.88	.4960	.4590	22.06	7.965	1.949	1.693	19.56
#1	.5109	.0128	448.8	1370.	.0008	.0074	3738.	.0333	.0043
#2	.5064	.0072	452.4	1374.	.0007	.0080	3802.	.0331	.0055
#3	.5082	.0274	448.3	1362.	.0005	.0068	3657.	.0342	.0064

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0041	.0040	.0164	.0021	7.906	.0058	-.0049	.0832	.4577
Stddev	.0041	.0065	.0009	.0006	.011	.0003	.0029	.0018	.0011
%RSD	100.7	162.4	5.514	29.76	.1376	4.903	58.23	2.119	.2307
#1	-0.028	.0085	.0168	.0014	7.916	.0059	-.0082	.0823	.4566
#2	-0.007	-.0035	.0170	.0027	7.908	.0060	-.0032	.0852	.4579
#3	-0.086	.0070	.0154	.0023	7.895	.0055	-.0034	.0820	.4586

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1654.2	5421.4	35491.	3433.0
Stddev	2.4	4.5	102.	35.4
%RSD	.14727	.08387	.28627	1.0300
#1	1651.6	5426.2	35456.	3457.1
#2	1656.4	5421.0	35605.	3392.4
#3	1654.7	5417.1	35411.	3449.6

Sample Name: FA38959-10F Acquired: 11/29/2016 16:40:21 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.027	-0.117	-0.051	.0062	.0001	415.1	.0005	.0000	.0041
Stddev	.0016	.0040	.0047	.0005	.0006	1.5	.0004	.000	.0002
%RSD	60.40	34.13	91.41	7.292	766.1	.3715	81.11	903.9	5.487
#1	-.0032	-.0162	-.0104	.0057	.0001	416.9	.0000	-.0002	.0039
#2	-.0041	-.0089	-.0031	.0066	-.0005	414.3	.0008	-.0001	.0040
#3	-.0009	-.0099	-.0018	.0064	.0007	414.1	.0006	.0002	.0043
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1141	.0039	F436.7	1327.	-.0002	.0063	F3468.	.0329	.0042
Stddev	.0025	.0091	1.9	6.	.0002	.0005	54.	.0013	.0019
%RSD	2.183	230.9	.4449	.4265	146.6	7.734	1.553	3.930	45.45
#1	.1169	-.0047	436.1	1333.	.0000	.0064	3520.	.0324	.0024
#2	.1127	.0134	435.1	1324.	.0000	.0067	3473.	.0343	.0063
#3	.1126	.0032	438.9	1323.	-.0004	.0057	3412.	.0319	.0041
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0027	.0030	.0152	.0010	7.660	.0054	-.0075	.0782	.4699
Stddev	.0096	.0045	.0008	.0004	.027	.0005	.0032	.0009	.0007
%RSD	354.8	149.1	5.180	37.68	.3472	9.791	42.36	1.109	.1539
#1	.0078	-.0005	.0161	.0008	7.671	.0058	-.0102	.0783	.4691
#2	-.0110	.0015	.0150	.0014	7.630	.0055	-.0040	.0789	.4704
#3	-.0049	.0081	.0146	.0007	7.680	.0048	-.0085	.0772	.4703
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1665.6	5448.9	35763.	3462.7					
Stddev	4.8	13.3	173.	11.1					
%RSD	.28704	.24404	.48402	.32100					
#1	1670.8	5463.3	35889.	3466.8					
#2	1664.8	5437.1	35833.	3450.2					
#3	1661.3	5446.4	35565.	3471.3					

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Sample Name: FA38959-11F Acquired: 11/29/2016 16:44:41 Type: Unk
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	-.0384	-.0083	.0062	.0001	428.1	.0004	.0004	.0048
Stddev	.0012	.0450	.0030	.0003	.0002	1.4	.0001	.0003	.0007
%RSD	2305.	117.2	36.07	4.955	116.8	.3171	31.11	67.60	14.29
#1	.0004	-.0146	-.0117	.0061	.0003	428.8	.0003	.0003	.0048
#2	.0011	-.0903	-.0058	.0060	.0002	429.1	.0005	.0002	.0055
#3	-.0013	-.0103	-.0076	.0066	.0000	426.6	.0003	.0008	.0042
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1561	.0620	F449.8	1366.	.0005	.0059	F3405.	.0520	-.0146
Stddev	.0025	.0163	1.2	6.	.0002	.0007	105.	.0006	.0014
%RSD	1.575	26.28	.2575	.4197	34.53	11.57	3.081	1.209	9.372
#1	.1574	.0446	450.9	1368.	.0005	.0052	3484.	.0516	-.0149
#2	.1576	.0644	450.0	1371.	.0004	.0064	3445.	.0528	-.0131
#3	.1533	.0769	448.6	1360.	.0007	.0063	3286.	.0517	-.0157
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-.0064	-.0038	.0186	-.0011	7.882	.0053	-.0067	.1599	.4617
Stddev	.0051	.0027	.0020	.0007	.040	.0004	.0018	.0019	.0010
%RSD	80.79	72.09	10.66	66.63	.5104	6.805	27.48	1.189	.2137
#1	-.0122	-.0043	.0181	-.0019	7.928	.0056	-.0088	.1579	.4625
#2	-.0044	-.0008	.0170	-.0005	7.855	.0053	-.0057	.1616	.4620
#3	-.0025	-.0062	.0208	-.0009	7.862	.0049	-.0056	.1601	.4606
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1662.2	5456.1	35859.	3443.2					
Stddev	.5	2.6	187.	16.7					
%RSD	.03257	.04796	.52056	.48424					
#1	1661.8	5453.1	35649.	3452.9					
#2	1662.8	5457.1	35923.	3424.0					
#3	1662.1	5458.1	36005.	3452.9					

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Sample Name: MP31227-MB2A Acquired: 11/29/2016 16:49:00 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-.0086	-.0014	-.0001	.0000	.0267	.0000	-.0001	.0005	.0000
Stddev	.0003	.0023	.0003	.0002	.0001	.0009	.000	.0000	.0001	.0002
%RSD	219.4	26.44	24.25	185.2	124.3	3.213	89.48	45.55	23.53	540.0
#1	.0000	-.0075	-.0018	-.0004	.0001	.0265	.0000	.0000	.0006	.0002
#2	.0004	-.0112	-.0012	.0000	.0001	.0260	.0000	-.0001	.0004	.0000
#3	-.0001	-.0070	-.0011	.0000	-.0001	.0277	.0000	-.0001	.0004	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0009	.0875	.0447	.0001	.0001	.7267	.0000	.0000	.0003	.0011
Stddev	.0022	.0288	.0080	.0000	.0001	.0198	.000	.0002	.0015	.0004
%RSD	254.3	32.88	18.01	21.81	97.70	2.721	49.31	3089.	577.5	37.36
#1	.0015	.0550	.0367	.0001	.0000	.7451	.0000	-.0001	-.0011	.0008
#2	-.0027	.1096	.0446	.0000	.0001	.7292	.0000	-.0001	.0018	.0009
#3	-.0014	.0980	.0528	.0000	.0001	.7058	.0000	.0002	.0001	.0016

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	.0003	.0002	-.0001	-.0011	.0004	.0009
Stddev	.0001	.0001	.0001	.0001	.0007	.0002	.0000
%RSD	6.035	27.83	42.68	127.3	70.13	42.19	3.856
#1	.0011	.0003	.0001	-.0001	-.0005	.0003	.0009
#2	.0010	.0004	.0001	.0000	-.0008	.0006	.0010
#3	.0011	.0002	.0002	-.0001	-.0019	.0003	.0009

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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Sample Name: MP31227-MB2A Acquired: 11/29/2016 16:49:00 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2326.9	6692.3	45228.	3646.9
Stddev	8.4	14.9	118.	24.7
%RSD	.36241	.22330	.26070	.67602
#1	2317.4	6676.6	45325.	3662.9
#2	2330.1	6693.9	45097.	3618.5
#3	2333.3	6706.4	45263.	3659.3

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Sample Name: CRIA Acquired: 11/29/2016 16:53:15 Type: Unk
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 11 columns: Elem, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 11 columns: Elem, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 4 columns: Int. Std., In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Table with 4 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

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Sample Name: ICSA Acquired: 11/29/2016 16:57:23 Type: Unk
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 11 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 11 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 4 columns: Int. Std., In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Table with 4 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

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7.1

7

Sample Name: IC SAB Acquired: 11/29/2016 17:01:44 Type: Unk
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 11 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 11 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 4 columns: Int. Std., In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Table with 4 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

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Sample Name: CCV Acquired: 11/29/2016 17:05:59 Type: QC
Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include Units, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 11 columns: Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk. Rows include Value, Range.

Table with 11 columns: Elem, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include Units, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 11 columns: Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk. Rows include Value, Range.

Table with 11 columns: Elem, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Units, Avg, Stddev, %RSD and #1-3.

Table with 11 columns: #1, #2, #3. Rows include Avg, Stddev, %RSD.

Table with 11 columns: Check ? None Chk PassChk PassChk PassChk PassChk PassChk PassChk. Rows include Value, Range.

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Sample Name: CCV Acquired: 11/29/2016 17:05:59 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2087.5	6576.7	43701.	3679.3
Stddev	5.3	8.9	212.	14.6
%RSD	.25509	.13472	.48420	.39658
#1	2081.5	6572.1	43571.	3665.9
#2	2091.7	6586.9	43945.	3694.8
#3	2089.3	6571.0	43586.	3677.0

Sample Name: CCB Acquired: 11/29/2016 17:09:55 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0008	-0.001	.0000	.0001	.0069	.0001	.0000	.0003
Stddev	.0003	.0092	.0008	.000	.0000	.0007	.0000	.0000	.0002
%RSD	484.2	1157.	588.6	793.0	26.11	10.81	2.833	72.82	54.94
#1	-0.001	.0082	-0.005	.0000	.0001	.0060	.0001	.0001	.0006
#2	-0.002	-.0096	-0.007	.0002	.0002	.0073	.0001	.0000	.0002
#3	-0.003	.0037	.0008	-.0003	.0001	.0073	.0001	.0001	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0138	.0347	.0128	.0001	F .0017	.1712	.0001	.0006
Stddev	.0003	.0024	.0359	.0265	.0000	.0004	.0040	.0001	.0003
%RSD	213.6	17.26	103.3	206.2	2.819	24.88	2.326	123.4	48.43
#1	-0.002	.0120	.0439	.0418	.0001	.0021	.1755	.0001	.0009
#2	.0002	.0128	-.0048	-.0102	.0001	.0016	.1676	.0000	.0006
#3	.0003	.0165	.0651	.0069	.0001	.0013	.1706	.0002	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-.0010			
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	-.0004	-.0002	.0004	.0001	.0003	.0002	.0002	.0003
Stddev	.0001	.0014	.0004	.0002	.0001	.0000	.0004	.0002	.0001
%RSD	22.70	347.8	162.6	52.85	64.30	10.74	194.5	98.45	19.67
#1	.0002	.0001	-.0003	.0003	.0002	.0003	.0005	.0001	.0003
#2	.0003	.0006	.0002	.0003	.0002	.0004	.0005	.0004	.0002
#3	.0003	-.0020	-.0006	.0006	.0000	.0003	-.0003	.0001	.0003
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

7.1
7

Sample Name: CCB Acquired: 11/29/2016 17:09:55 Type: QC
 Method: 60102007_041712(v431) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2375.3	6818.8	45748.	3685.4
Stddev	2.9	4.9	135.	28.5
%RSD	.12313	.07119	.29538	.77231
#1	2378.0	6823.0	45855.	3717.9
#2	2375.7	6819.9	45793.	3673.1
#3	2372.2	6813.5	45596.	3665.1

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	3	V	-0.009834	0.000000	No
			Fe	-0.000001	0.000000	No
			Mg	0.000002	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.035224	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	5	Fe	-0.000095	0.000000	No
			Cr	-0.000226	0.000000	No
			Mo	-0.000017	0.000000	No
			Al	0.000004	0.000000	No
			Ca	0.000002	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000018	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000115	0.000000	No
			Ti	-0.000059	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000086	0.000000	No
			Ca	0.000001	0.000000	No
			Al	-0.000001	0.000000	No
			Ti	0.000151	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.003012	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	3	Fe	0.000005	0.000000	No
			Al	0.000005	0.000000	No
			Fe	0.000009	0.000000	No
			Ca	0.000002	0.000000	No
			Fe	-0.000169	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Ca	0.000002	0.000000	No
			Mo	0.000528	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Ti	-0.000251	0.000000	No
			Al	0.000004	0.000000	No
			Mg	0.000002	0.000000	No
			Co	-0.000787	0.000000	No
			Cd	0.000240	0.000000	No
			Fe 259.940 {130}	<input checked="" type="checkbox"/>	None	
In 230.606 {446}*	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000003	0.000000	No
			Mg	0.000001	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000023	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000044	0.000000	No
			Co	-0.000054	0.000000	No
			Mo	0.000005	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000269	0.000000	No
			Ti	0.000440	0.000000	No
			Al	0.000261	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	9	Fe	-0.000026	0.000000	No
			Mo	-0.001012	0.000000	No
			Cu	0.001070	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000071	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	0.000050	0.000000	No
			Mg	0.000004	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Sb 206.833 {463}	<input checked="" type="checkbox"/>	10	Fe	0.000016	0.000000	No
			Cr	0.012140	0.000000	No
			Mo	-0.004076	0.000000	No
			V	-0.000611	0.000000	No
			Sn	-0.010736	0.000000	No
			Ti	0.000040	0.000000	No
			Ca	0.000004	0.000000	No
			Ni	-0.000438	0.000000	No
			Mg	-0.000002	0.000000	No
			Al	0.000003	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	10	Fe	0.000034	0.000000	No
			Ca	-0.000001	0.000000	No
			Mn	0.000574	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000024	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	0.000137	0.000000	No
			As	-0.000032	0.000000	No
			Be	0.000212	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.019120	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 { 83}	<input checked="" type="checkbox"/>	1	Ca	0.000098	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Ti 190.856 {477}	<input checked="" type="checkbox"/>	11	Co	0.001145	0.000000	No
			Fe	0.000009	0.000000	No
			Al	-0.000011	0.000000	No
			Ba	-0.000051	0.000000	No
			Ti	-0.002651	0.000000	No
			Sb	0.000012	0.000000	No
			Ca	0.000003	0.000000	No
			Cr	0.000230	0.000000	No
			Mg	-0.000003	0.000000	No
			Mn	0.000818	0.000000	No
			V	-0.038621	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000003	0.000000	No
			Cr	-0.002590	0.000000	No
			Mo	-0.005797	0.000000	No
			Ti	0.000364	0.000000	No
			Mn	-0.000693	0.000000	No
Y 224.306 {450}* Y 360.073 { 94}* Y 371.030 { 91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.000965	0.000000	No
			Al	0.000005	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	0.000006	0.000000	No
			As	0.001128	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	11/29/2016 8:50:55	11/29/2016 8:11:47	Linear	1/Conc	-0.001415	0.589556	0.000000	1.000000
Al 396.152 { 85}	11/29/2016 8:50:55	11/29/2016 8:11:47	Linear	1/Conc	0.001946	0.162780	0.000000	1.000000
As 189.042 {478}	11/29/2016 8:50:55	11/29/2016 8:11:47	Linear	1/Conc	-0.000645	0.188643	0.000000	1.000000
Ba 455.403 { 74}	11/29/2016 8:50:55	11/29/2016 8:11:47	Linear	1/Conc	-0.000361	10.343509	0.000000	1.000000
Be 313.042 {108}	11/29/2016 8:50:55	11/29/2016 8:11:47	Linear	1/Conc	-0.000531	8.315435	0.000000	1.000000
Ca 317.933 {106}	11/29/2016 8:50:55	11/29/2016 8:11:47	Linear	1/Conc	0.008098	0.277989	0.000000	1.000000
Cd 226.502 {449}	11/29/2016 8:50:55	11/29/2016 8:11:47	Linear	1/Conc	-0.000058	4.507119	0.000000	1.000000
Co 228.616 {447}	11/29/2016 8:50:55	11/29/2016 8:11:47	Linear	1/Conc	0.000018	2.190631	0.000000	1.000000
Cr 267.716 {126}	11/29/2016 8:50:55	11/29/2016 8:11:47	Linear	1/Conc	0.000495	0.441565	0.000000	1.000000
Cu 324.754 {104}	11/29/2016 8:50:55	11/29/2016 8:11:47	Linear	1/Conc	0.002165	0.666663	0.000000	1.000000
Fe 259.940 {130}	11/29/2016 8:50:55	11/29/2016 8:11:47	Linear	1/Conc	0.000915	0.161398	0.000000	1.000000
In 230.606 {446}	11/29/2016 8:50:55	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	11/29/2016 8:50:55	11/29/2016 8:11:47	Linear	1/Conc	-0.004471	0.112685	0.000000	1.000000
Mg 279.079 {121}	11/29/2016 8:50:55	11/29/2016 8:11:47	Linear	1/Conc	0.000267	0.023429	0.000000	1.000000
Mn 257.610 {131}	11/29/2016 8:50:55	11/29/2016 8:11:47	Linear	1/Conc	0.000525	2.841439	0.000000	1.000000
Mo 202.030 {467}	11/29/2016 8:50:55	11/29/2016 8:11:47	Linear	1/Conc	0.000608	1.121876	0.000000	1.000000
Na 589.592 { 57}	11/29/2016 8:50:55	11/29/2016 8:11:47	Linear	1/Conc	-0.025765	0.405255	0.000000	1.000000
Ni 231.604 {445}	11/29/2016 8:50:55	11/29/2016 8:11:47	Linear	1/Conc	-0.000415	1.303561	0.000000	1.000000
Pb 220.353 {453}	11/29/2016 8:50:55	11/29/2016 8:11:47	Linear	1/Conc	-0.001859	1.336730	0.000000	1.000000
Sb 206.833 {463}	11/29/2016 8:50:55	11/29/2016 8:11:47	Linear	1/Conc	0.000244	0.223904	0.000000	1.000000
Se 196.090 {472}	11/29/2016 8:50:55	11/29/2016 8:11:47	Linear	1/Conc	-0.000107	0.137780	0.000000	1.000000
Si 212.412 {459}	11/29/2016 8:50:55	11/29/2016 8:11:47	Linear	1/Conc	0.005460	0.481099	0.000000	1.000000
Sn 189.989 {477}	11/29/2016 8:50:55	11/29/2016 8:11:47	Linear	1/Conc	0.000540	0.396224	0.000000	1.000000
Sr 407.771 { 83}	11/29/2016 8:50:55	11/29/2016 8:11:47	Linear	1/Conc	-0.003409	14.914062	0.000000	1.000000
Ti 334.941 {101}	11/29/2016 8:50:55	11/29/2016 8:11:47	Linear	1/Conc	0.000909	1.968891	0.000000	1.000000
Tl 190.856 {477}	11/29/2016 8:50:55	11/29/2016 8:11:47	Linear	1/Conc	-0.003109	0.657268	0.000000	1.000000
V 292.402 {115}	11/29/2016 8:50:55	11/29/2016 8:11:47	Linear	1/Conc	-0.000529	0.552854	0.000000	1.000000
Y 224.306 {450}	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	11/29/2016 8:50:55	11/29/2016 8:11:47	Linear	1/Conc	0.001865	2.688256	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999925	0.000067	0.000424	0.001415	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999783	0.005467	0.011497	0.038322	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999784	0.000315	0.000736	0.002454	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999895	0.012076	0.000251	0.000837	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999856	0.011348	0.000092	0.000306	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999644	0.011950	0.003337	0.011122	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999849	0.006311	0.000046	0.000153	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999906	0.002419	0.000102	0.000340	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999938	0.000398	0.000302	0.001006	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999903	0.000745	0.000305	0.001015	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999471	0.008459	0.002937	0.009789	OK	1.000000	0.000000	1	0
In 230.606 {446}	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999916	0.002349	0.034893	0.116309	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999649	0.001000	0.024892	0.082975	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999686	0.005734	0.000045	0.000150	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999585	0.002602	0.000126	0.000421	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999772	0.013957	0.009456	0.031520	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999868	0.001704	0.000171	0.000568	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999880	0.001676	0.000493	0.001643	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999833	0.000329	0.000988	0.003294	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999916	0.000144	0.001517	0.005058	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.997208	0.002957	0.000324	0.001080	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999567	0.000939	0.000286	0.000954	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999650	0.031865	0.000106	0.000353	OK	1.000000	0.000000	1	0
Tl 334.941 {101}	0.999804	0.003143	0.000115	0.000383	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999896	0.000733	0.000650	0.002166	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999801	0.000881	0.000307	0.001023	OK	1.000000	0.000000	1	0
Y 224.306 {450}	0.000000	0.000000	-1.000000	1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}	0.000000	0.000000	-1.000000	1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}	0.000000	0.000000	-1.000000	1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999837	0.003917	0.000056	0.000188	OK	1.000000	0.000000	1	0

Sample Name: Blank Acquired: 12/6/2016 7:31:43 Type: Cal
Method: 60102007_041712(v439) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.019	0.033	-0.006	-0.021	0.004	0.066	0.001	0.001	0.003
Stddev	0.002	0.015	0.000	0.003	0.001	0.006	0.000	0.000	0.002
%RSD	13.26	46.14	4.960	12.82	14.50	9.594	16.73	38.50	47.37
#1	-0.021	0.037	-0.006	-0.024	0.004	0.072	0.001	0.001	0.002
#2	-0.019	0.045	-0.006	-0.020	0.004	0.067	0.001	0.001	0.004
#3	-0.016	0.016	-0.007	-0.018	0.003	0.059	0.001	0.001	0.005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.032	0.010	0.057	0.004	0.005	0.003	0.039	-0.004	-0.020
Stddev	0.001	0.003	0.029	0.003	0.001	0.002	0.007	0.001	0.007
%RSD	2.684	25.39	50.49	85.60	14.49	44.90	1.898	23.89	36.90
#1	0.031	0.011	0.028	0.007	0.004	0.004	0.037	-0.005	-0.013
#2	0.031	0.013	0.058	0.004	0.005	0.004	0.037	-0.003	-0.027
#3	0.033	0.008	0.086	0.000	0.005	0.002	0.037	-0.004	-0.019
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.004	-0.001	0.056	0.004	-0.038	0.012	-0.030	-0.004	0.014
Stddev	0.002	0.001	0.001	0.002	0.006	0.002	0.002	0.001	0.002
%RSD	57.16	82.33	2.420	39.94	15.49	13.18	6.525	30.37	11.80
#1	0.004	0.000	0.057	0.006	-0.031	0.010	-0.031	-0.003	0.015
#2	0.006	-0.001	0.054	0.004	-0.041	0.013	-0.028	-0.005	0.014
#3	0.001	-0.001	0.056	0.002	-0.042	0.012	-0.032	-0.004	0.012
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2637.1	7328.0	48212.	5341.7					
Stddev	6.6	3.1	100.	18.6					
%RSD	.25095	.04262	.20715	.34851					
#1	2632.4	7331.6	48324.	5342.0					
#2	2644.6	7326.6	48182.	5323.0					
#3	2634.1	7325.9	48131.	5360.2					

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Sample Name: LowStd Acquired: 12/6/2016 7:39:33 Type: Cal
Method: 60102007_041712(v439) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.319	1.811	0.937	5.627	3.971	3.039	2.429	1.167	0.222	0.3142
Stddev	0.003	0.009	0.004	0.009	0.018	0.016	0.005	0.003	0.008	0.011
%RSD	9.897	5.187	4.006	1.676	4.430	5.165	2.103	2.255	3.415	3.346
#1	0.316	1.806	0.941	5.619	3.969	3.033	2.434	1.170	0.2214	0.3130
#2	0.322	1.805	0.934	5.624	3.954	3.027	2.430	1.167	0.2224	0.3149
#3	0.320	1.822	0.935	5.637	3.989	3.057	2.424	1.165	0.2228	0.3146
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.816	1.215	2.478	1.445	6.039	4.147	6.841	6.968	1.133	0.715
Stddev	0.009	0.003	0.016	0.003	0.006	0.009	0.002	0.007	0.001	0.001
%RSD	4.769	2.262	6.593	2.331	0.952	2.103	3.416	0.991	0.537	1.842
#1	1.813	1.212	2.474	1.442	6.042	4.144	6.853	6.961	1.133	0.714
#2	1.809	1.215	2.464	1.449	6.032	4.141	6.814	6.975	1.132	0.714
#3	1.826	1.218	2.496	1.443	6.042	4.157	6.856	6.968	1.133	0.716
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S			
Avg	2.874	2.380	8.194	9.971	3.345	2.949	1.467			
Stddev	0.003	0.007	0.039	0.023	0.012	0.012	0.004			
%RSD	0.941	2.970	4.734	2.308	3.482	4.131	2.921			
#1	2.876	2.387	8.188	9.945	3.333	2.935	1.472			
#2	2.875	2.380	8.158	9.987	3.344	2.956	1.465			
#3	2.871	2.373	8.235	9.983	3.357	2.955	1.465			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Units	Cts/S	Cts/S	Cts/S	Cts/S						
Avg	2439.6	7246.5	47546.	5379.6						
Stddev	3.5	15.8	211.	44.9						
%RSD	.14345	.21839	.44401	.83466						
#1	2442.1	7230.2	47726.	5430.9						
#2	2441.1	7261.8	47314.	5360.0						
#3	2435.6	7247.4	47599.	5347.8						

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7.2
7

Sample Name: MidStd Acquired: 12/6/2016 7:49:12 Type: Cal
Method: 60102007_041712(v439) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.430	6.845	4.036	23.25	16.57	11.42	9.805	4.680	9.123	1.309
Stddev	0.008	0.071	0.004	0.24	0.17	0.12	0.08	0.04	0.047	0.01
%RSD	0.5721	1.039	0.0976	1.030	1.032	1.014	0.783	0.830	0.5117	0.0476
#1	1.422	6.912	4.037	23.45	16.72	11.51	9.813	4.683	9.143	1.310
#2	1.438	6.852	4.031	23.30	16.61	11.45	9.804	4.676	9.070	1.309
#3	1.429	6.770	4.039	22.98	16.38	11.29	9.797	4.682	9.157	1.308
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6.476	4.689	9.377	5.974	2.389	15.55	2.771	2.880	4.768	2.976
Stddev	0.068	0.043	0.106	0.025	0.02	0.16	0.003	0.009	0.002	0.005
%RSD	1.046	0.9204	1.128	0.4178	0.846	1.004	0.1178	0.3196	0.4046	0.1700
#1	6.529	4.725	9.467	5.949	2.387	15.68	2.773	2.884	4.769	2.971
#2	6.498	4.702	9.404	5.999	2.391	15.59	2.767	2.887	4.769	2.981
#3	6.400	4.641	9.260	5.974	2.387	15.38	2.772	2.870	4.766	2.976
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S			
Avg	9.185	9.108	33.28	4.015	1.373	1.172	5.971			
Stddev	0.011	0.008	0.36	0.020	0.004	0.007	0.10			
%RSD	0.1200	0.0879	1.088	0.4925	0.3058	0.6025	1.682			
#1	9.174	9.117	33.58	3.997	1.375	1.176	5.982			
#2	9.196	9.102	33.37	4.036	1.375	1.164	5.962			
#3	9.184	9.105	32.87	4.011	1.368	1.176	5.970			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Units	Cts/S	Cts/S	Cts/S	Cts/S						
Avg	2240.2	6969.6	45233.	5346.7						
Stddev	6.4	4.3	181.	13.6						
%RSD	.28718	.06142	.40107	.25381						
#1	2236.4	6964.6	45442.	5354.0						
#2	2236.7	6972.4	45114.	5331.1						
#3	2247.7	6971.7	45143.	5355.1						

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Sample Name: HighStd Acquired: 12/6/2016 7:53:34 Type: Cal
Method: 60102007_041712(v439) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2832	13.67	8.195	46.32	32.70	22.45	19.58	9.390	1.852	2.680
Stddev	0.009	0.04	0.006	0.01	0.12	0.05	0.00	0.005	0.005	0.007
%RSD	0.3080	2.634	0.754	0.0276	0.3752	0.2007	0.0083	0.0522	0.2813	0.2791
#1	2839	13.66	8.190	46.33	32.57	22.41	19.58	9.395	1.846	2.674
#2	2836	13.71	8.202	46.32	32.81	22.50	19.58	9.391	1.855	2.688
#3	2823	13.64	8.193	46.30	32.73	22.44	19.58	9.385	1.855	2.677
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	12.81	9.263	1.836	11.87	4.784	30.18	5.536	5.941	9.683	6.017
Stddev	0.07	0.047	0.009	0.09	0.04	0.09	0.010	0.001	0.008	0.007
%RSD	0.5790	0.5068	0.4954	0.7906	0.7444	0.2896	0.1881	0.0098	0.0847	0.1131
#1	12.73	9.209	1.826	11.78	4.780	30.21	5.529	5.941	9.674	6.010
#2	12.87	9.291	1.841	11.97	4.785	30.25	5.548	5.941	9.685	6.019
#3	12.83	9.289	1.842	11.87	4.786	30.09	5.530	5.940	9.690	6.023

Sample Name: HSTD Acquired: 12/6/2016 7:58:34 Type: QC
 Method: 60102007_041712(v439) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5087	80.87	4.134	4.073	4.060	80.28	4.046	4.056	4.100	4.144
Stddev	.0023	.22	.008	.013	.007	.13	.004	.003	.036	.018
%RSD	.4438	.2708	.2013	.3197	.1732	.1674	.0856	.0848	.8672	.4273
#1	5113	81.10	4.130	4.087	4.059	80.30	4.048	4.056	4.138	4.161
#2	5077	80.85	4.129	4.062	4.068	80.40	4.043	4.053	4.093	4.126
#3	5071	80.66	4.144	4.069	4.054	80.13	4.049	4.060	4.068	4.144

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	80.36	80.78	80.40	4.055	4.069	79.26	4.067	4.092	4.120	4.110
Stddev	.10	.10	.47	.048	.004	.29	.005	.003	.006	.007
%RSD	.1293	.1264	.5884	1.171	.0954	.3662	.1295	.0817	.1411	.1775
#1	80.31	80.81	80.05	4.104	4.069	79.50	4.069	4.092	4.123	4.105
#2	80.48	80.85	80.94	4.051	4.065	79.34	4.061	4.088	4.114	4.107
#3	80.29	80.66	80.22	4.009	4.073	78.94	4.071	4.095	4.125	4.119

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.483	3.999	4.012	4.072	4.066	4.083	4.050
Stddev	.004	.002	.058	.059	.004	.030	.005
%RSD	.0793	.0524	1.455	1.448	.0929	.7414	.1149
#1	4.482	4.001	3.948	4.130	4.063	4.115	4.054
#2	4.479	3.997	4.062	4.074	4.070	4.079	4.045
#3	4.486	3.999	4.027	4.012	4.065	4.055	4.051

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Sample Name: HSTD Acquired: 12/6/2016 7:58:34 Type: QC
 Method: 60102007_041712(v439) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2043.0	6576.6	42574.	5219.1
Stddev	.8	2.7	448.	60.5
%RSD	.03859	.04156	1.0512	1.1596
#1	2043.5	6575.2	42149.	5288.0
#2	2043.3	6579.8	42534.	5174.4
#3	2042.1	6574.9	43041.	5195.0

Sample Name: ICV Acquired: 12/6/2016 8:17:11 Type: QC
 Method: 60102007_041712(v439) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2589	40.60	2.052	2.027	2.053	40.80	2.045	2.045	2.023	2.036
Stddev	.0002	.16	.003	.011	.009	.16	.002	.001	.006	.001
%RSD	.0875	.3987	.1371	.5172	.4324	.3830	.0726	.0703	.2811	.0357
#1	2591	40.78	2.055	2.030	2.063	40.97	2.045	2.046	2.025	2.036
#2	2587	40.53	2.052	2.036	2.052	40.75	2.043	2.044	2.028	2.035
#3	2588	40.48	2.049	2.016	2.045	40.67	2.046	2.044	2.017	2.037

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.43	40.82	41.07	2.080	2.053	40.90	2.063	1.993	2.046	2.049
Stddev	.19	.22	.17	.005	.002	.15	.003	.004	.005	.005
%RSD	.4751	.5288	.4147	.2666	.1156	.3760	.1584	.2025	.2670	.2602
#1	40.64	40.98	41.27	2.075	2.054	41.08	2.066	1.998	2.048	2.054
#2	40.40	40.89	40.99	2.086	2.050	40.83	2.060	1.990	2.040	2.048
#3	40.26	40.57	40.95	2.079	2.054	40.80	2.062	1.992	2.050	2.044

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.671	2.043	2.075	2.085	2.024	2.025	2.043
Stddev	.002	.003	.010	.003	.001	.007	.001
%RSD	.1440	.1421	.5028	.1587	.0277	.3596	.0342
#1	1.673	2.042	2.086	2.081	2.024	2.021	2.044
#2	1.668	2.041	2.074	2.085	2.023	2.033	2.043
#3	1.673	2.047	2.065	2.088	2.025	2.020	2.043

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Sample Name: ICV Acquired: 12/6/2016 8:17:11 Type: QC
 Method: 60102007_041712(v439) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2188.9	6762.9	43731.	5198.3
Stddev	1.7	7.8	179.	28.8
%RSD	.07774	.11574	.40954	.55358
#1	2187.3	6761.4	43755.	5192.9
#2	2190.7	6771.3	43541.	5229.4
#3	2188.7	6755.9	43896.	5172.6

Sample Name: ICB Acquired: 12/6/2016 8:22:53 Type: QC
 Method: 60102007_041712(v439) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0096	.0002	.0000	.0001	-.0009	.0000	.0000	.0001
Stddev	.000	.0091	.0009	.000	.0000	.0029	.0001	.0001	.0002
%RSD	410.5	95.56	371.7	587.2	37.45	337.1	278.1	545.6	174.9

#1 -.0001 -.0010 -.0008 -.0002 .0001 .0024 .0001 .0000 .0002
 #2 -.0002 -.0192 .0010 .0000 .0001 -.0031 .0000 .0000 .0002
 #3 .0002 -.0085 .0005 .0001 .0001 -.0019 .0000 .0001 -.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0062	.0134	-.0098	.0001	F .0012	.0240	.0000	.0002
Stddev	.0004	.0031	.0205	.0090	.0000	.0002	.0139	.0001	.0004
%RSD	356.5	51.00	153.1	92.51	39.61	17.80	57.90	433.9	177.5

#1 .0006 .0088 .0061 -.0037 .0001 .0015 .0337 .0001 .0005
 #2 -.0001 .0027 .0365 -.0054 .0001 .0012 .0300 .0001 .0003
 #3 -.0001 .0070 -.0024 -.0202 .0001 .0010 .0081 -.0001 -.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0003	-.0001	.0004	.0000	.0002	.0005	-.0001	-.0001
Stddev	.0011	.0014	.0001	.0001	.000	.0000	.0003	.0003	.0001
%RSD	759.1	404.6	90.77	39.33	143.7	18.21	52.15	248.7	97.80

#1 .0007 -.0011 .0000 .0005 -.0001 .0002 .0002 -.0004 .0000
 #2 -.0013 .0005 -.0002 .0002 .0000 .0002 .0007 .0000 -.0001
 #3 .0002 .0016 -.0002 .0005 .0000 .0002 .0006 .0001 -.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 12/6/2016 8:22:53 Type: QC
 Method: 60102007_041712(v439) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2578.0	7123.1	47034.	5282.6
Stddev	2.5	2.4	67.	41.1
%RSD	.09567	.03330	.14211	.77780

#1 2579.3 7125.5 46957. 5280.2
 #2 2575.2 7122.9 47071. 5324.9
 #3 2579.7 7120.8 47074. 5242.8

Sample Name: CRIA Acquired: 12/6/2016 8:37:01 Type: QC
 Method: 60102007_041712(v439) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0080	.1963	.0103	.2055	.0052	1.062	.0053	.0532	.0102	.0261
Stddev	.0005	.0092	.0005	.0010	.0001	.005	.0000	.0001	.0001	.0002
%RSD	5.736	4.682	4.828	4.704	2.120	.4458	.5675	.1162	1.302	.7746

#1 .0083 .2027 .0109 .2063 .0053 1.056 .0052 .0531 .0104 .0259
 #2 .0075 .2004 .0100 .2058 .0051 1.063 .0053 .0532 .0101 .0263
 #3 .0083 .1858 .0100 .2044 .0051 1.065 .0052 .0532 .0102 .0260

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3195	10.39	5.300	.0161	.0512	10.50	.0433	.0049	.0046	.0100
Stddev	.0033	.01	.026	.0001	.0001	.02	.0000	.0002	.0007	.0007
%RSD	1.043	.0655	4.864	.5455	.2281	.2271	.0807	4.790	15.45	6.900

#1 .3220 10.39 5.279 .0162 .0511 10.51 .0433 .0050 .0039 .0092
 #2 .3157 10.39 5.292 .0161 .0513 10.47 .0432 .0050 .0053 .0105
 #3 .3209 10.38 5.329 .0161 .0512 10.51 .0433 .0046 .0046 .0103

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016	.0532	.0101	.0103	.0103	.0482	.0218
Stddev	.0003	.0003	.0000	.0000	.0006	.0004	.0001
%RSD	21.26	4.892	.4644	.1902	5.937	.8380	.3405

#1 .0012 .0533 .0102 .0103 .0110 .0484 .0218
 #2 .0017 .0529 .0101 .0103 .0102 .0485 .0218
 #3 .0018 .0535 .0101 .0103 .0098 .0478 .0217

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 12/6/2016 8:37:01 Type: QC
 Method: 60102007_041712(v439) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2475.7	7066.0	46103.	5271.8
Stddev	3.2	2.7	72.	58.2
%RSD	.13020	.03891	.15531	1.1045

#1 2472.0 7068.1 46062. 5309.7
 #2 2477.9 7062.9 46186. 5301.0
 #3 2477.2 7067.1 46062. 5204.8

Sample Name: ICSA Acquired: 12/6/2016 8:46:16 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	531.9	.0001	-0.004	.0000	488.1	-0.005	.0006	-0.005
Stddev	.0003	4.4	.0006	.0002	.000	3.2	.0001	.0001	.0002
%RSD	156.8	.8296	622.6	53.41	274.8	.6516	11.01	19.49	30.94

#1 -0.005 527.7 -0.002 -0.003 .0001 484.6 -0.005 .0005 -0.004
 #2 -0.001 536.5 .0008 -0.003 -0.002 -0.002 490.8 -0.006 .0007 -0.005
 #3 .0000 531.6 -0.003 -0.006 .0000 488.9 -0.005 .0007 -0.007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	200.7	.4101	538.0	-0.001	.0000	.7075	.0000	-0.001
Stddev	.0004	.9	.0057	1.9	.0000	.0001	.0127	.0002	.0009
%RSD	41.40	.4443	1.398	.3464	17.76	1106.	1.795	26330.	736.3

#1 .0007 200.4 .4043 537.6 -0.001 .0001 .6929 -0.001 .0001
 #2 .0013 201.7 .4157 540.0 -0.001 .0000 .7138 -0.001 .0006
 #3 .0007 200.0 .4103 536.3 -0.001 .0000 .7158 .0002 -0.011

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0018	-0.0015	.0036	F.0018	.0004	-0.0009	.0011	-0.0005	-0.0014
Stddev	.0016	.0014	.0005	.0006	.0003	.0000	.0005	.0001	.0000
%RSD	88.90	96.51	12.93	34.66	62.37	2.931	45.03	13.64	2.424

#1 .0000 -0.0031 .0033 .0015 .0007 -0.0008 .0005 -0.0005 -0.0014
 #2 -0.0023 -0.0009 .0041 .0013 .0003 -0.0009 .0013 -0.0005 -0.0014
 #3 -0.0031 -0.0004 .0033 .0025 .0002 -0.0009 .0015 -0.0006 -0.0014

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit .0010
 Low Limit -.0010

Sample Name: ICSA Acquired: 12/6/2016 8:46:16 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1841.6	6202.4	39397.	4985.8
Stddev	5.2	7.6	136.	16.6
%RSD	.28160	.12265	.34637	.33332

#1 1835.7 6197.4 39361. 5004.7
 #2 1844.4 6211.1 39282. 4973.3
 #3 1844.8 6198.6 39547. 4979.5

Sample Name: ICSAB Acquired: 12/6/2016 8:59:13 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8944	524.1	1.198	.5342	.5154	486.5	.9758	.4896	.5151	.5476
Stddev	.0017	7.1	.003	.0019	.0016	1.4	.0007	.0008	.0018	.0022
%RSD	.1928	1.348	.2530	.3587	.3113	.2817	.0722	.1675	.3453	.4077

#1 .8956 531.2 1.198 .5350 .5156 485.6 .9760 .4900 .5170 .5499
 #2 .8924 517.0 1.194 .5320 .5137 485.9 .9750 .4887 .5146 .5454
 #3 .8951 524.2 1.200 .5356 .5169 488.1 .9764 .4901 .5136 .5476

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	196.3	.2552	537.3	.5237	1.046	.4868	.9987	1.020	1.115	1.134
Stddev	.6	.0364	1.7	.0005	.001	.0133	.0012	.005	.003	.003
%RSD	.3044	14.26	.3125	.0918	.0555	2.730	.1179	.5228	.3060	.2836

#1 196.7 .2154 538.3 .5242 1.046 .5003 1.0000 1.018 1.115 1.137
 #2 195.6 .2633 535.4 .5234 1.046 .4863 .9976 1.026 1.112 1.131
 #3 196.6 .2868 538.3 .5234 1.045 .4737 .9986 1.016 1.119 1.134

Check ? Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0084	1.002	1.140	1.118	1.085	.4754	.9792
Stddev	.0004	.003	.003	.001	.003	.0020	.0012
%RSD	4.971	.2570	.2385	.0808	.2926	.4115	.1178

#1 .0088 1.005 1.140 1.119 1.087 .4776 .9799
 #2 .0085 1.002 1.137 1.117 1.087 .4747 .9778
 #3 .0080 .9997 1.142 1.118 1.082 .4739 .9798

Check ? None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 12/6/2016 8:59:13 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1815.3	6161.8	39311.	4932.3
Stddev	6.4	7.1	144.	36.4
%RSD	.35310	.11582	.36748	.73808

#1 1815.7 6153.9 39185. 4895.3
 #2 1808.7 6167.8 39280. 4968.1
 #3 1821.5 6163.6 39469. 4933.4

Sample Name: CCV Acquired: 12/6/2016 9:03:53 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2555	40.13	2.052	2.018	2.032	40.28	2.026	2.029	2.017	2.037
Stddev	.0014	.06	.002	.008	.003	.01	.003	.002	.007	.002
%RSD	.5482	.1466	.0774	.3957	.1373	.0251	.1606	.0929	.3291	.0902
#1	.2553	40.07	2.053	2.025	2.029	40.28	2.026	2.031	2.011	2.035
#2	.2569	40.16	2.050	2.009	2.034	40.26	2.022	2.027	2.017	2.038
#3	.2542	40.18	2.052	2.021	2.034	40.28	2.028	2.030	2.024	2.039

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.17	41.05	40.73	2.074	2.043	40.66	2.058	1.978	2.039	2.049
Stddev	.05	.17	.15	.002	.002	.04	.002	.002	.006	.009
%RSD	.1246	.4136	.3593	.0713	.0877	.1073	.1077	.0850	.3117	.4138
#1	40.18	41.23	40.56	2.075	2.043	40.61	2.060	1.979	2.046	2.058
#2	40.22	40.90	40.85	2.074	2.041	40.65	2.057	1.976	2.034	2.046
#3	40.12	41.02	40.76	2.072	2.044	40.70	2.056	1.978	2.038	2.042

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.666	2.021	2.068	2.075	2.008	2.019	2.027
Stddev	.003	.001	.002	.004	.002	.008	.003
%RSD	.1854	.0645	.1019	.2089	.1058	.4133	.1642
#1	1.670	2.021	2.066	2.079	2.009	2.010	2.028
#2	1.665	2.020	2.067	2.075	2.006	2.019	2.023
#3	1.664	2.022	2.070	2.070	2.010	2.027	2.029

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Sample Name: CCV Acquired: 12/6/2016 9:03:53 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2200.2	6792.4	43824.	5222.9
Stddev	2.6	8.5	152.	7.8
%RSD	.12006	.12587	.34770	.14885
#1	2199.5	6791.8	43976.	5215.4
#2	2203.2	6801.3	43672.	5230.9
#3	2198.0	6784.2	43824.	5222.5

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.17	41.05	40.73	2.074	2.043	40.66	2.058	1.978	2.039	2.049
Stddev	.05	.17	.15	.002	.002	.04	.002	.002	.006	.009
%RSD	.1246	.4136	.3593	.0713	.0877	.1073	.1077	.0850	.3117	.4138
#1	40.18	41.23	40.56	2.075	2.043	40.61	2.060	1.979	2.046	2.058
#2	40.22	40.90	40.85	2.074	2.041	40.65	2.057	1.976	2.034	2.046
#3	40.12	41.02	40.76	2.072	2.044	40.70	2.056	1.978	2.038	2.042

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.666	2.021	2.068	2.075	2.008	2.019	2.027
Stddev	.003	.001	.002	.004	.002	.008	.003
%RSD	.1854	.0645	.1019	.2089	.1058	.4133	.1642
#1	1.670	2.021	2.066	2.079	2.009	2.010	2.028
#2	1.665	2.020	2.067	2.075	2.006	2.019	2.023
#3	1.664	2.022	2.070	2.070	2.010	2.027	2.029

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Sample Name: CCB Acquired: 12/6/2016 9:12:33 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	-.0097	.0003	.0000	.0001	.0095	.0001	.0000	-.0001	.0005
Stddev	.0003	.0056	.0002	.000	.0001	.0014	.0000	.0001	.0001	.0002
%RSD	382.7	57.63	72.41	1986.	90.12	14.45	68.68	503.7	158.9	40.09
#1	.0002	-.0060	.0005	-.0003	.0001	.0109	.0000	.0000	-.0002	.0004
#2	-.0004	-.0070	.0005	.0001	.0001	.0095	.0001	.0001	.0001	.0004
#3	-.0001	-.0161	.0001	.0002	.0000	.0081	.0001	.0000	-.0001	.0007

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0069	.0508	.0030	.0001	.0001	.0476	.0001	.0006	.0005	.0002
Stddev	.0027	.0026	.0123	.0000	.0002	.0084	.0001	.0006	.0003	.0003
%RSD	39.30	5.035	407.2	34.85	150.4	17.73	81.32	98.81	58.66	105.4
#1	.0046	.0522	.0090	.0001	.0003	.0392	.0000	.0006	.0008	.0005
#2	.0063	.0523	-.0112	.0001	.0001	.0474	.0001	.0011	.0004	.0003
#3	.0099	.0479	.0112	.0001	.0000	.0561	.0001	.0000	.0002	.0000

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0003	.0001	.0000	.0002	.0000	.0001
Stddev	.000	.0001	.0000	.0000	.0003	.000	.0000
%RSD	1718.	20.45	21.73	34.37	146.0	461.7	24.86
#1	.0001	.0003	.0001	.0000	.0002	.0000	.0001
#2	-.0003	.0002	.0002	.0000	-.0001	.0001	.0001
#3	.0002	.0003	.0002	.0000	.0004	-.0002	.0001

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 12/6/2016 9:12:33 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2587.2	7112.5	47143.	5220.1
Stddev	2.3	6.4	201.	28.9
%RSD	.08818	.08961	.42584	.55318
#1	2586.1	7106.1	47372.	5231.6
#2	2585.8	7112.5	46996.	5187.2
#3	2589.9	7118.8	47062.	5241.5

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0069	.0508	.0030	.0001	.0001	.0476	.0001	.0006	.0005	.0002
Stddev	.0027	.0026	.0123	.0000	.0002	.0084	.0001	.0006	.0003	.0003
%RSD	39.30	5.035	407.2	34.85	150.4	17.73	81.32	98.81	58.66	105.4
#1	.0046	.0522	.0090	.0001	.0003	.0392	.0000	.0006	.0008	.0005
#2	.0063	.0523	-.0112	.0001	.0001	.0474	.0001	.0011	.0004	.0003
#3	.0099	.0479	.0112	.0001	.0000	.0561	.0001	.0000	.0002	.0000

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0003	.0001	.0000	.0002	.0000	.0001
Stddev	.000	.0001	.0000	.0000	.0003	.000	.0000
%RSD	1718.	20.45	21.73	34.37	146.0	461.7	24.86
#1	.0001	.0003	.0001	.0000	.0002	.0000	.0001
#2	-.0003	.0002	.0002	.0000	-.0001	.0001	.0001
#3	.0002	.0003	.0002	.0000	.0004	-.0002	.0001

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
 High Limit
 Low Limit

Sample Name: MP31271-MB1 Acquired: 12/6/2016 9:16:38 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	-0.011	-0.012	-0.001	.0000	.0189	-0.001	-0.001	.0004	.0007
Stddev	.0004	.0046	.0008	.0001	.0001	.0004	.0001	.0001	.0002	.0002
%RSD	175.5	405.7	65.07	79.76	421.7	2.304	117.9	84.10	40.83	33.18
#1	-0.001	-0.002	-0.020	.0000	.0000	.0184	.0000	-0.002	.0004	.0005
#2	-0.007	-0.062	-0.004	-0.001	.0001	.0193	-0.001	-0.001	.0002	.0008
#3	.0001	.0030	-0.014	-0.002	.0000	.0189	-0.001	-0.001	.0005	.0010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019	.0356	-0.147	.0000	-0.001	.0604	.0000	.0002	-0.001	.0008
Stddev	.0017	.0189	.0309	.000	.0000	.0050	.000	.0005	.0008	.0007
%RSD	90.15	53.19	210.8	1062.	11.11	8.204	211.2	195.4	526.9	92.61
#1	.0005	.0297	.0017	.0000	-0.001	.0581	-0.001	.0005	-0.003	.0001
#2	.0037	.0568	-0.503	.0000	-0.001	.0661	-0.001	-0.003	.0007	.0007
#3	.0013	.0203	.0047	.0000	-0.001	.0570	.0001	.0005	-0.008	.0016

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014	.0004	.0000	.0000	-0.012	-0.004	.0007
Stddev	.0003	.0000	.000	.000	.0008	.0002	.0000
%RSD	20.75	8.926	337.3	390.9	66.71	52.56	3.022
#1	.0015	.0005	.0000	.0000	-0.020	-0.006	.0007
#2	.0011	.0004	.0000	-0.001	-0.005	-0.003	.0007
#3	.0016	.0004	-0.001	.0000	-0.009	-0.002	.0007

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP31271-MB1 Acquired: 12/6/2016 9:16:38 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2508.4	6899.0	45532.	5082.0
Stddev	5.2	7.0	168.	39.0
%RSD	.20575	.10092	.36907	.76672
#1	2506.6	6906.4	45444.	5118.0
#2	2504.3	6898.1	45725.	5087.5
#3	2514.2	6892.6	45426.	5040.6

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019	.0356	-0.147	.0000	-0.001	.0604	.0000	.0002	-0.001	.0008
Stddev	.0017	.0189	.0309	.000	.0000	.0050	.000	.0005	.0008	.0007
%RSD	90.15	53.19	210.8	1062.	11.11	8.204	211.2	195.4	526.9	92.61
#1	.0005	.0297	.0017	.0000	-0.001	.0581	-0.001	.0005	-0.003	.0001
#2	.0037	.0568	-0.503	.0000	-0.001	.0661	-0.001	-0.003	.0007	.0007
#3	.0013	.0203	.0047	.0000	-0.001	.0570	.0001	.0005	-0.008	.0016

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014	.0004	.0000	.0000	-0.012	-0.004	.0007
Stddev	.0003	.0000	.000	.000	.0008	.0002	.0000
%RSD	20.75	8.926	337.3	390.9	66.71	52.56	3.022
#1	.0015	.0005	.0000	.0000	-0.020	-0.006	.0007
#2	.0011	.0004	.0000	-0.001	-0.005	-0.003	.0007
#3	.0016	.0004	-0.001	.0000	-0.009	-0.002	.0007

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP31271-B1 Acquired: 12/6/2016 9:20:49 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0490	31.00	2.233	2.318	.0585	29.02	.0560	.5619	.2229	.2871
Stddev	.0005	.02	.004	.005	.0001	.03	.0002	.0008	.0017	.0008
%RSD	.9974	.0642	.2007	.2219	.2506	.1082	.2741	.1352	.7607	.2762
#1	.0492	31.00	2.238	2.324	.0585	29.00	.0562	.5628	.2245	.2879
#2	.0484	31.02	2.229	2.314	.0587	29.05	.0561	.5616	.2230	.2863
#3	.0493	30.98	2.233	2.317	.0584	29.00	.0559	.5614	.2211	.2872

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	30.61	29.50	28.88	.5791	.5954	28.93	.5772	.5394	.5670	2.251
Stddev	.08	.14	.09	.0018	.0008	.03	.0016	.0006	.0012	.002
%RSD	.2724	.4625	.3288	.3069	.1283	.1020	.2687	.1191	.2177	.1013
#1	30.66	29.64	28.86	.5804	.5962	28.91	.5789	.5387	.5684	2.252
#2	30.66	29.50	28.98	.5799	.5953	28.96	.5761	.5399	.5664	2.253
#3	30.52	29.37	28.79	.5771	.5947	28.91	.5765	.5396	.5661	2.249

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	.5803	.5909	.5908	2.195	.5311	.5573
Stddev	.0001	.0005	.0023	.0010	.005	.0026	.0012
%RSD	9.755	.0858	.3831	.1616	.2199	.4949	.2122
#1	.0012	.5807	.5917	.5919	2.190	.5340	.5587
#2	.0013	.5804	.5927	.5905	2.199	.5305	.5567
#3	.0014	.5797	.5884	.5901	2.196	.5288	.5566

Check ? None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP31271-B1 Acquired: 12/6/2016 9:20:49 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2216.5	6665.3	43524.	5002.6
Stddev	3.7	17.6	362.	27.2
%RSD	.16630	.26448	.83148	.54347
#1	2218.1	6646.1	43216.	5017.0
#2	2219.1	6680.7	43432.	5019.5
#3	2212.2	6669.2	43923.	4971.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	30.61	29.50	28.88	.5791	.5954	28.93	.5772	.5394	.5670	2.251
Stddev	.08	.14	.09	.0018	.0008	.03	.0016	.0006	.0012	.002
%RSD	.2724	.4625	.3288	.3069	.1283	.1020	.2687	.1191	.2177	.1013
#1	30.66	29.64	28.86	.5804	.5962	28.91	.5789	.5387	.5684	2.252
#2	30.66	29.50	28.98	.5799	.5953	28.96	.5761	.5399	.5664	2.253
#3	30.52	29.37	28.79	.5771	.5947	28.91	.5765	.5396	.5661	2.249

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	.5803	.5909	.5908	2.195	.5311	.5573
Stddev	.0001	.0005	.0023	.0010	.005	.0026	.0012
%RSD	9.755	.0858	.3831	.1616	.2199	.4949	.2122
#1	.0012	.5807	.5917	.5919	2.190	.5340	.5587
#2	.0013	.5804	.5927	.5905	2.199	.5305	.5567
#3	.0014	.5797	.5884	.5901	2.196	.5288	.5566

Check ? None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: FA39151-1 Acquired: 12/6/2016 9:24:46 Type: Unk
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3) for various elements.

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Sample Name: MP31271-D1 Acquired: 12/6/2016 9:28:51 Type: Unk
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3) for various elements.

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7.2

Sample Name: MP31271-SD1 Acquired: 12/6/2016 9:32:59 Type: Unk
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3) for various elements.

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Sample Name: MP31271-PS1 Acquired: 12/6/2016 9:37:07 Type: Unk
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3) for various elements.

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Sample Name: MP31271-S1 Acquired: 12/6/2016 9:41:07 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0493	30.61	2.222	2.816	.0578	74.26	.0554	5.552	2.206	2828
Stddev	.0004	.03	.005	.006	.0002	.07	.0001	.0007	.0011	.0006
%RSD	8551	.1101	.2269	.2160	.4241	.0944	.2026	.1292	.5180	.2084

#1	.0493	30.65	2.226	2.820	.0575	74.24	.0554	5.552	2.215	2827
#2	.0497	30.59	2.217	2.819	.0580	74.33	.0553	5.545	2.193	2822
#3	.0488	30.60	2.224	2.809	.0578	74.20	.0555	5.559	2.210	2834

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	29.78	29.90	37.94	57.18	58.76	40.42	5.651	5.453	5.634	2.235
Stddev	.10	.11	.21	.0015	.0003	.04	.0013	.0004	.0004	.006
%RSD	.3360	.3775	.5618	.2666	.0447	.1096	.2332	.0771	.0696	.2698

#1	29.69	29.80	37.74	57.34	58.76	40.46	5.640	5.450	5.637	2.241
#2	29.89	30.02	38.16	57.04	58.73	40.43	5.647	5.450	5.629	2.229
#3	29.75	29.88	37.90	57.15	58.79	40.37	5.666	5.457	5.635	2.236

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	2.432	.5734	1.276	.5823	2.203	.5502	.5613
Stddev	.005	.0007	.001	.0007	.002	.0004	.0023
%RSD	.1999	.1298	.0667	.1140	.0870	.0679	.4013

#1	2.437	.5727	1.277	.5830	2.204	.5506	.5595
#2	2.428	.5732	1.276	.5818	2.204	.5502	.5605
#3	2.431	.5742	1.275	.5819	2.200	.5499	.5638

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2146.0	6629.3	43466.	5077.7
Stddev	1.5	9.9	194.	46.2
%RSD	.06829	.14868	.44586	.91026

#1	2145.2	6636.0	43243.	5120.2
#2	2147.7	6633.9	43588.	5028.5
#3	2145.1	6618.0	43568.	5084.4

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Sample Name: MP31271-S2 Acquired: 12/6/2016 9:45:03 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0490	30.53	2.200	2.778	.0572	72.62	.0549	5.499	2.198	2797
Stddev	.0005	.09	.001	.006	.0002	.23	.0000	.0006	.0005	.0007
%RSD	1.016	.3030	.0330	.2263	.3546	.3151	.0184	.1127	.2234	.2571

#1	.0490	30.45	2.200	2.778	.0572	72.38	.0549	5.494	2.200	2789
#2	.0494	30.51	2.200	2.771	.0574	72.67	.0549	5.506	2.200	2804
#3	.0484	30.63	2.201	2.784	.0570	72.83	.0549	5.498	2.192	2798

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	29.74	29.88	37.71	56.77	58.28	39.98	5.595	5.378	5.598	2.214
Stddev	.11	.01	.11	.0022	.0009	.06	.0012	.0011	.0003	.003
%RSD	.3865	.0329	.2788	.3872	.1543	.1621	.2197	.1998	.0514	.1241

#1	29.64	29.87	37.59	56.98	58.20	39.95	5.589	5.375	5.600	2.212
#2	29.73	29.87	37.80	56.79	58.38	39.94	5.586	5.390	5.600	2.213
#3	29.87	29.89	37.73	56.54	58.26	40.06	5.609	5.369	5.595	2.218

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	2.345	.5690	1.248	.5780	2.178	.5452	.5561
Stddev	.004	.0009	.003	.0020	.002	.0003	.0003
%RSD	.1683	.1518	.2117	.3450	.1101	.0566	.0491

#1	2.341	.5699	1.245	.5795	2.175	.5452	.5559
#2	2.349	.5681	1.248	.5787	2.178	.5450	.5559
#3	2.344	.5690	1.250	.5757	2.180	.5456	.5564

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2153.0	6631.4	43341.	4998.8
Stddev	3.1	5.2	299.	3.7
%RSD	.14390	.07867	.69002	.07319

#1	2153.7	6634.8	43051.	5002.8
#2	2149.6	6625.4	43323.	4995.5
#3	2155.7	6634.0	43648.	4998.2

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7.2
7

Sample Name: FA39151-2 Acquired: 12/6/2016 9:48:59 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0002	.0335	.0015	.0321	.0000	110.3	.0000	.0001	.0009	.0003
Stddev	.0004	.0077	.0011	.0001	.000	.3	.0000	.0000	.0002	.0003
%RSD	237.2	22.98	74.25	.4098	193.7	.2832	75.81	56.06	23.13	94.47

#1	-.0003	.0264	.0011	.0323	.0000	110.1	.0000	.0001	.0010	.0005
#2	.0005	.0417	.0028	.0322	.0000	110.7	.0000	.0001	.0007	.0000
#3	.0003	.0324	.0007	.0320	-.0001	110.3	.0000	.0000	.0011	.0004

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0687	1.559	6.550	.0438	.0180	9.356	.0007	-.0016	.0000	.0019
Stddev	.0015	.031	.057	.0001	.0001	.035	.0000	.0004	.0011	.0005
%RSD	2.145	1.981	.8721	.3424	.4063	.3711	3.118	27.32	2568.	28.30

#1	.0700	1.540	6.485	.0436	.0181	9.349	.0007	-.0020	-.0002	.0021
#2	.0691	1.595	6.594	.0439	.0180	9.393	.0007	-.0011	-.0009	.0023
#3	.0671	1.543	6.570	.0438	.0179	9.325	.0008	-.0016	.0012	.0013

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.439	.0003	.2162	.0015	-.0009	.0010	.0056
Stddev	.001	.0000	.0002	.0001	.0005	.0000	.0000
%RSD	.0956	14.31	.0824	5.004	49.00	4.724	.0328

#1	1.440	.0004	.2163	.0014	-.0014	.0010	.0056
#2	1.438	.0003	.2160	.0015	-.0005	.0009	.0056
#3	1.440	.0003	.2163	.0016	-.0009	.0010	.0056

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2262.9	6608.9	43593.	5077.0
Stddev	2.0	.8	69.	86.5
%RSD	.08991	.01245	.15796	1.7043

#1	2264.1	6609.0	43645.	5139.1
#2	2260.6	6609.7	43618.	4978.2
#3	2264.2	6608.1	43515.	5113.7

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Sample Name: FA39151-3 Acquired: 12/6/2016 9:53:06 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0000	.5253	.0006	.0334	.0000	103.0	.0001	.0000	.0027	.0000
Stddev	.0004	.0046	.0003	.0002	.0001	.4	.0000	.0000	.0002	.000
%RSD	1202.	.8820	61.67	.4609	869.1	.3534	62.29	62.45	7.649	251.1

#1	-.0002	.5286	.0002	.0335	.0001	103.3	.0000	.0000	.0026	.0001
#2	.0005	.5200	.0008	.0335	-.0001					

Sample Name: CCV Acquired: 12/6/2016 9:57:12 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2581	40.27	2.032	2.040	2.021	40.26	2.034	2.037	2.011	2.020
Stddev	.0015	.10	.005	.004	.004	.08	.002	.003	.005	.004
%RSD	.5952	.2487	.2635	.1697	.1882	.2086	.0784	.1691	.2506	.1849
#1	2595	40.17	2.026	2.041	2.016	40.19	2.032	2.034	2.008	2.023
#2	2565	40.27	2.036	2.036	2.023	40.24	2.034	2.038	2.007	2.015
#3	2584	40.37	2.033	2.043	2.023	40.36	2.036	2.041	2.017	2.021

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.83	40.89	40.14	2.046	2.040	40.91	2.042	1.989	2.030	2.030
Stddev	.08	.13	.14	.002	.002	.07	.002	.008	.008	.003
%RSD	.1926	.3180	.3591	.0807	.0864	.1722	.1176	.4235	.3995	.1599
#1	39.80	40.93	40.03	2.047	2.039	40.89	2.040	1.987	2.022	2.027
#2	39.78	40.74	40.09	2.046	2.039	40.85	2.044	1.998	2.030	2.032
#3	39.92	40.99	40.30	2.044	2.042	40.98	2.044	1.981	2.039	2.032

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.659	2.042	2.061	2.053	2.020	2.022	2.028
Stddev	.002	.004	.002	.003	.006	.003	.002
%RSD	.1426	.2042	.1007	.1252	.3010	.1499	.1150
#1	1.657	2.039	2.058	2.054	2.015	2.020	2.026
#2	1.659	2.041	2.061	2.056	2.026	2.022	2.029
#3	1.662	2.047	2.063	2.051	2.017	2.026	2.030

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 12/6/2016 9:57:12 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2198.8	6815.1	44337.	5224.7
Stddev	8.4	14.0	181.	34.6
%RSD	.38068	.20545	.40755	.66168
#1	2204.0	6831.2	44456.	5222.2
#2	2189.2	6808.6	44426.	5260.5
#3	2203.3	6805.5	44129.	5191.5

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.83	40.89	40.14	2.046	2.040	40.91	2.042	1.989	2.030	2.030
Stddev	.08	.13	.14	.002	.002	.07	.002	.008	.008	.003
%RSD	.1926	.3180	.3591	.0807	.0864	.1722	.1176	.4235	.3995	.1599
#1	39.80	40.93	40.03	2.047	2.039	40.89	2.040	1.987	2.022	2.027
#2	39.78	40.74	40.09	2.046	2.039	40.85	2.044	1.998	2.030	2.032
#3	39.92	40.99	40.30	2.044	2.042	40.98	2.044	1.981	2.039	2.032

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.659	2.042	2.061	2.053	2.020	2.022	2.028
Stddev	.002	.004	.002	.003	.006	.003	.002
%RSD	.1426	.2042	.1007	.1252	.3010	.1499	.1150
#1	1.657	2.039	2.058	2.054	2.015	2.020	2.026
#2	1.659	2.041	2.061	2.056	2.026	2.022	2.029
#3	1.662	2.047	2.063	2.051	2.017	2.026	2.030

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 12/6/2016 10:01:08 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	-0.0137	.0009	.0001	.0001	.0033	.0001	-0.0001	.0000
Stddev	.0003	.0095	.0007	.0002	.0001	.0033	.0000	.0001	.0001
%RSD	78.91	68.80	79.76	241.1	104.8	101.4	75.06	192.8	266.2
#1	-0.001	-0.0244	.0018	.0002	.0000	.0008	.0001	-0.001	.0001
#2	-0.006	-0.0106	.0005	-0.0002	.0002	.0071	.0001	.0001	.0001
#3	-0.003	-0.0063	.0005	.0002	.0001	.0020	.0000	-0.001	-0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0061	.0250	-.0025	.0001	F .0014	.0126	.0000	.0002
Stddev	.0003	.0050	.0118	.0235	.0000	.0004	.0093	.000	.0003
%RSD	151.2	82.37	47.09	958.1	38.58	24.91	73.48	1424.	131.2
#1	.0000	.0112	.0365	.0240	.0001	.0018	.0230	.0000	.0006
#2	.0006	.0059	.0256	-.0103	.0000	.0014	.0097	-0.001	.0002
#3	.0001	.0012	.0129	-.0210	.0001	.0011	.0051	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	.0009	-0.001	.0000	.0000	.0003	.0006	.0001	.0001
Stddev	.0002	.0006	.0002	.0001	.0001	.0002	.0003	.0002	.0001
%RSD	127.4	63.12	256.0	233.9	436.2	53.91	45.59	353.3	63.82
#1	.0001	.0014	.0000	.0000	.0000	.0004	.0003	-0.001	.0001
#2	-0.004	.0003	-0.003	.0000	.0000	.0003	.0008	.0003	.0002
#3	-0.002	.0012	.0000	.0001	.0001	.0001	.0005	.0000	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 12/6/2016 10:01:08 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2574.3	7146.4	47251.	5244.7
Stddev	3.8	11.5	84.	35.4
%RSD	.14679	.16032	.17744	.67517
#1	2570.3	7133.7	47340.	5263.0
#2	2577.8	7155.9	47239.	5203.9
#3	2574.6	7149.5	47174.	5267.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	.0009	-0.001	.0000	.0000	.0003	.0006	.0001	.0001
Stddev	.0002	.0006	.0002	.0001	.0001	.0002	.0003	.0002	.0001
%RSD	127.4	63.12	256.0	233.9	436.2	53.91	45.59	353.3	63.82
#1	.0001	.0014	.0000	.0000	.0000	.0004	.0003	-0.001	.0001
#2	-0.004	.0003	-0.003	.0000	.0000	.0003	.0008	.0003	.0002
#3	-0.002	.0012	.0000	.0001	.0001	.0001	.0005	.0000	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: FA39151-4 Acquired: 12/6/2016 10:05:18 Type: Unk
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3)

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Sample Name: FA39212-3 Acquired: 12/6/2016 10:09:42 Type: Unk
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 12 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247, Se1960) and 12 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3)

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Sample Name: FA39212-4 Acquired: 12/6/2016 10:13:49 Type: Unk
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3)

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Sample Name: FA39210-1 Acquired: 12/6/2016 10:17:56 Type: Unk
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 12 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247, Se1960) and 12 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3)

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7.2

Sample Name: FA39137-2 Acquired: 12/6/2016 10:22:10 Type: Unk
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3) for various elements.

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Sample Name: FA39137-8 Acquired: 12/6/2016 10:26:17 Type: Unk
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3) for various elements.

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7.2

7

Sample Name: FA39137-7F Acquired: 12/6/2016 10:30:27 Type: Unk
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3) for various elements.

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Sample Name: FA39182-3 Acquired: 12/6/2016 10:34:34 Type: Unk
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3) for various elements.

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Sample Name: FA39141-1 Acquired: 12/6/2016 10:42:16 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0013	9.803	.0034	.6662	.0002	142.1	.0010	.0111	.0793	.4059
Stddev	.0002	.040	.0010	.0015	.0001	.4	.0001	.0001	.0002	.0002
%RSD	15.43	.4058	28.21	.2261	41.07	.2851	5.804	.7788	.2504	.0552
#1	.0015	9.814	.0025	.6671	.0002	142.3	.0011	.0110	.0796	.4057
#2	.0011	9.836	.0044	.6671	.0003	142.4	.0009	.0112	.0793	.4059
#3	.0013	9.759	.0033	.6645	.0001	141.6	.0010	.0111	.0792	.4061
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	17.32	9.655	16.22	1.949	.0275	8.171	.0479	.1768	.0233	.0131
Stddev	.02	.008	.08	.004	.0003	.034	.0004	.0003	.0003	.0012
%RSD	.1355	.0859	.4937	.2018	1.096	.4210	.9385	.1757	1.384	9.032
#1	17.31	9.662	16.21	1.950	.0278	8.193	.0484	.1771	.0232	.0121
#2	17.34	9.646	16.30	1.953	.0273	8.188	.0479	.1769	.0236	.0144
#3	17.30	9.656	16.14	1.945	.0273	8.131	.0475	.1765	.0230	.0128
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	9.362	.0275	.8550	.4207	-.0001	.0560	1.986			
Stddev	.011	.0002	.0038	.0003	.0008	.0004	.001			
%RSD	.1217	.8370	.4433	.0750	5.425	.6505	.0304			
#1	9.376	.0277	.8567	.4205	-.0010	.0563	1.986			
#2	9.355	.0275	.8576	.4206	.0000	.0562	1.987			
#3	9.357	.0273	.8507	.4211	.0006	.0556	1.985			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2237.6	6625.6	43711.	4988.8						
Stddev	1.7	5.2	194.	7.4						
%RSD	.07758	.07899	.44354	.14826						
#1	2239.4	6629.4	43718.	4992.8						
#2	2235.9	6619.6	43513.	4980.3						
#3	2237.6	6627.9	43901.	4993.3						

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Sample Name: FA39144-1 Acquired: 12/6/2016 10:46:17 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0001	.0685	-.0004	.1087	-.0001	119.9	.0027	.0002	.0299	.0012
Stddev	.0004	.0109	.0008	.0002	.0001	.6	.0000	.0001	.0004	.0003
%RSD	392.9	15.85	212.5	.2263	97.35	.4790	1.459	36.80	1.414	23.44
#1	-.0001	.0632	-.0000	.1089	-.0003	120.6	.0027	.0003	.0298	.0014
#2	-.0006	.0614	-.0012	.1085	-.0001	119.6	.0027	.0001	.0303	.0015
#3	.0002	.0811	.0002	.1088	.0000	119.7	.0027	.0002	.0295	.0009
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	.4923	3.509	63.61	.0380	.0169	101.4	.0014	.0027	-.0020	.0220
Stddev	.0067	.046	.55	.0001	.0001	.6	.0003	.0012	.0013	.0004
%RSD	1.370	1.319	.8679	.3435	.5872	.5509	22.26	43.26	66.89	1.675
#1	.4936	3.526	64.24	.0381	.0170	102.1	.0012	.0031	-.0025	.0218
#2	.4850	3.456	63.23	.0379	.0170	101.1	.0013	.0014	-.0005	.0218
#3	.4982	3.543	63.35	.0379	.0168	101.1	.0018	.0036	-.0030	.0224
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	2.639	-.0003	.1066	.0021	-.0014	.0116	.1348			
Stddev	.003	.0006	.0005	.0004	.0010	.0007	.0001			
%RSD	.1166	220.2	.4522	19.47	71.12	6.331	.0812			
#1	2.639	-.0005	.1071	.0025	-.0023	.0119	.1349			
#2	2.636	.0004	.1062	.0019	-.0017	.0107	.1347			
#3	2.642	-.0008	.1064	.0017	-.0003	.0121	.1348			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2246.6	6580.0	43258.	5047.6						
Stddev	3.7	15.8	257.	49.7						
%RSD	.16436	.23986	.59421	.98416						
#1	2247.9	6591.1	42971.	4991.2						
#2	2249.5	6586.9	43466.	5085.1						
#3	2242.4	6561.9	43338.	5066.3						

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7.2
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Sample Name: CCV Acquired: 12/6/2016 10:50:23 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2579	40.16	2.059	2.056	2.034	40.31	2.035	2.041	2.025	2.057
Stddev	.0006	.09	.002	.007	.005	.07	.002	.001	.007	.003
%RSD	.2323	.2193	.1140	.3245	.2358	.1711	.0844	.0453	.3253	.1529
#1	2583	40.07	2.062	2.054	2.028	40.25	2.033	2.040	2.029	2.055
#2	2572	40.24	2.057	2.063	2.038	40.38	2.037	2.041	2.017	2.060
#3	2580	40.16	2.059	2.050	2.035	40.29	2.035	2.042	2.028	2.055
Check ?	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass
Value										
Range										
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.21	42.03	40.48	2.071	2.060	41.21	2.071	1.999	2.057	2.060
Stddev	.12	.26	.15	.007	.003	.08	.001	.004	.003	.002
%RSD	.3011	.6236	.3747	.3227	.1249	.1973	.0613	.1925	.1584	.0993
#1	40.15	42.03	40.31	2.073	2.057	41.12	2.070	2.001	2.058	2.060
#2	40.34	42.29	40.54	2.064	2.061	41.27	2.070	2.000	2.060	2.058
#3	40.12	41.76	40.59	2.077	2.062	41.23	2.072	1.994	2.054	2.062
Check ?	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass
Value										
Range										
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm			
Avg	1.672	2.032	2.075	2.077	2.028	2.033	2.033			
Stddev	.004	.001	.005	.004	.004	.008	.002			
%RSD	.2100	.0288	.2311	.2164	.1860	.3784	.1133			
#1	1.668	2.032	2.070	2.079	2.025	2.038	2.032			
#2	1.672	2.033	2.080	2.072	2.032	2.024	2.035			
#3	1.675	2.032	2.076	2.080	2.028	2.037	2.031			
Check ?	None	Chk	Pass	Chk	Pass	Chk	Pass			
Value										
Range										

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Sample Name: CCV Acquired: 12/6/2016 10:50:23 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2186.0	6784.1	44008.	5141.7
Stddev	.6	3.4	297.	25.6
%RSD	.02834	.04984	.67436	.49745
#1	2186.6	6788.0	43974.	5127.5
#2	2186.1	6782.2	44321.	5126.4
#3	2185.4	6782.0	43730.	5171.2

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Sample Name: CCB Acquired: 12/6/2016 10:54:19 Type: QC
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 10 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, Units, #1, #2, #3. Rows include #1, #2, #3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Units, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, Units, #1, #2, #3. Rows include #1, #2, #3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, Units, #1, #2, #3. Rows include #1, #2, #3.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: CCB Acquired: 12/6/2016 10:54:19 Type: QC
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Int. Std, Units, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Table with 5 columns: Int. Std, Units, #1, #2, #3. Rows include #1, #2, #3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Units, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, Units, #1, #2, #3. Rows include #1, #2, #3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, Units, #1, #2, #3. Rows include #1, #2, #3.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

7.2

7

Sample Name: MP31267-D1 Acquired: 12/6/2016 10:58:32 Type: Unk
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include Avg, Stddev, %RSD and #1-3.

Table with 11 columns: Elem, Units, #1, #2, #3. Rows include #1, #2, #3.

Table with 11 columns: Elem, Units, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include Avg, Stddev, %RSD and #1-3.

Table with 11 columns: Elem, Units, #1, #2, #3. Rows include #1, #2, #3.

Table with 10 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, Units, #1, #2, #3. Rows include #1, #2, #3.

Table with 5 columns: Int. Std, Units, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Table with 5 columns: Int. Std, Units, #1, #2, #3. Rows include #1, #2, #3.

Sample Name: MP31267-S1 Acquired: 12/6/2016 11:02:40 Type: Unk
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 2.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 12 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include Avg, Stddev, %RSD and #1-3.

Table with 12 columns: Elem, Units, #1, #2, #3. Rows include #1, #2, #3.

Table with 11 columns: Elem, Units, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include Avg, Stddev, %RSD and #1-3.

Table with 11 columns: Elem, Units, #1, #2, #3. Rows include #1, #2, #3.

Table with 10 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and #1-3.

Table with 10 columns: Elem, Units, #1, #2, #3. Rows include #1, #2, #3.

Table with 5 columns: Int. Std, Units, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-3.

Table with 5 columns: Int. Std, Units, #1, #2, #3. Rows include #1, #2, #3.

Sample Name: MP31267-S2 Acquired: 12/6/2016 11:06:39 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0507	31.01	2.339	2.492	.0582	149.7	.0604	5.768	2.585	2.921
Stddev	.0008	.20	.004	.004	.0003	.9	.0001	.0018	.0008	.0007
%RSD	1.487	6579	.1875	.1568	4.446	5.873	2.000	3.066	2.959	2.241
#1	.0512	30.91	2.334	2.496	.0581	149.1	.0603	5.772	2.577	2.914
#2	.0510	31.25	2.342	2.490	.0585	150.7	.0603	5.748	2.590	2.925
#3	.0498	30.88	2.340	2.489	.0581	149.2	.0605	5.782	2.589	2.925

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	30.84	33.54	91.61	62.31	61.47	130.9	5.910	5.579	5.865	2.389
Stddev	.10	.03	.62	.0037	.0008	.8	.0010	.0027	.0009	.003
%RSD	.3119	.0751	.6769	.5914	.1274	.6430	.1728	4.782	1.500	1.201
#1	30.87	33.51	91.00	61.89	61.45	130.9	5.907	5.601	5.859	2.388
#2	30.93	33.56	92.24	62.57	61.40	131.8	5.901	5.587	5.875	2.387
#3	30.74	33.54	91.57	62.47	61.55	130.1	5.921	5.549	5.862	2.392

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	2.663	.5793	.6865	.5826	2.250	.5610	.7047
Stddev	.005	.0008	.0023	.0025	.005	.0020	.0004
%RSD	.1921	.1315	.3297	.4314	2.152	3.543	0.520
#1	2.662	.5786	.6864	.5797	2.255	.5620	.7051
#2	2.659	.5801	.6888	.5845	2.249	.5623	.7044
#3	2.669	.5794	.6843	.5834	2.246	.5587	.7046

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2151.6	6520.2	4309.7	5012.9
Stddev	4.2	13.8	256.	69.1
%RSD	.19644	.21130	.59388	1.3777
#1	2147.0	6524.7	43371.	5079.0
#2	2152.6	6531.1	42864.	4941.2
#3	2155.2	6504.7	43055.	5018.5

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Sample Name: MP31267-PS1 Acquired: 12/6/2016 11:10:36 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0465	2.965	.1199	.4103	.0567	124.4	.0602	.0582	.0866	.1169
Stddev	.0006	.011	.0020	.0023	.0005	.8	.0001	.0001	.0003	.0008
%RSD	1.320	3.713	1.653	5.628	9.561	6.060	2.113	1.641	3.907	6.559
#1	.0470	2.955	.1194	.4105	.0572	125.0	.0603	.0581	.0863	.1178
#2	.0467	2.977	.1221	.4124	.0568	124.6	.0601	.0583	.0870	.1164
#3	.0458	2.964	.1182	.4078	.0562	123.5	.0602	.0582	.0866	.1166

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	3.984	15.13	67.62	0.961	1.359	111.7	.1168	.0568	.1211	1.405
Stddev	.018	.15	.33	.0002	.0006	.7	.0002	.0008	.0010	.020
%RSD	.4623	.9643	.4940	.1847	.4377	.6113	.1640	1.494	.8429	1.404
#1	4.001	15.25	67.97	.0963	.1363	112.3	.1171	.0578	.1219	1.426
#2	3.986	15.17	67.59	.0959	.1362	111.8	.1168	.0565	.1199	1.401
#3	3.964	14.97	67.30	.0960	.1352	111.0	.1167	.0562	.1215	1.387

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	2.637	.0561	.1604	.1183	.1105	.0660	.4614
Stddev	.007	.0003	.0011	.0002	.0015	.0004	.0002
%RSD	.2844	.4619	.6570	.1655	1.332	.5459	.0485
#1	2.636	.0559	.1612	.1185	.1096	.0656	.4615
#2	2.645	.0564	.1607	.1183	.1122	.0662	.4614
#3	2.630	.0559	.1592	.1181	.1098	.0663	.4611

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2212.6	6560.3	4327.7	5045.9
Stddev	2.3	7.0	80.	19.5
%RSD	.10570	.10694	.18423	.38670
#1	2212.3	6552.6	43369.	5027.8
#2	2215.0	6561.9	43222.	5043.2
#3	2210.4	6566.3	43242.	5066.6

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7.2
7

Sample Name: MP31267-SD1 Acquired: 12/6/2016 11:14:39 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0008	-.0393	.0037	.1118	.0002	123.7	.0028	-.0008	.0293	.0010
Stddev	.0029	.1080	.0017	.0011	.0011	.0	.0002	.0010	.0004	.0018
%RSD	388.3	275.0	44.76	.9554	447.5	.0289	5.599	125.8	1.379	183.6
#1	-.0042	.0630	.0019	.1119	.0005	123.7	.0030	-.0019	.0297	.0029
#2	.0012	-.1521	.0042	.1107	.0012	123.7	.0027	-.0003	.0291	-.0007
#3	.0007	-.0287	.0051	.1128	-.0010	123.7	.0027	-.0002	.0290	.0008

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	4.704	3.839	64.87	.0385	.0132	106.1	.0004	-.0005	-.0024	.0069
Stddev	.0161	.236	.09	.0005	.0010	.1	.0009	.0018	.0039	.0047
%RSD	3.416	6.139	.1432	1.209	7.644	.0904	209.9	334.5	165.5	68.23
#1	4.748	3.628	64.77	.0380	.0132	106.1	-.0004	-.0008	.0019	.0119
#2	4.839	4.093	64.90	.0387	.0122	106.2	.0003	.0014	-.0057	.0026
#3	4.526	3.795	64.94	.0389	.0143	106.0	.0014	-.0021	-.0033	.0061

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	2.680	-.0002	.1082	.0028	.0001	.0103	.1562
Stddev	.002	.0004	.0009	.0006	.0082	.0024	.0006
%RSD	.0862	229.8	.8117	22.57	5999.	22.87	3.797
#1	2.682	-.0002	.1075	.0021	.0095	.0129	.1561
#2	2.678	.0003	.1080	.0028	-.0033	.0098	.1557
#3	2.680	-.0006	.1092	.0034	-.0058	.0083	.1569

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2446.6	6988.7	4656.4	5198.0
Stddev	3.6	10.4	321.	12.7
%RSD	.14787	.14852	.68884	.24338
#1	2442.7	6978.1	46823.	5192.3
#2	2447.3	6989.3	46663.	5212.5
#3	2449.8	6998.8	46205.	5189.1

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Sample Name: FA39144-2 Acquired: 12/6/2016 11:18:47 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 4.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0001	.0267	-.0021	.0187	-.0003	226.3	.0001	.0002	.0047	-.0009
Stddev	.0006	.0063	.0019	.0007	.0005	.4	.0001	.0001	.0002	.0013
%RSD	875.3	23.42	90.58	3.639	187.9	.1869	74.59	25.36	4.459	150.9
#1	.0004	.0327	-.0008	.0192	-.0003	226.7	.0001	.0003	.0048	-.0023
#2	-.0004	.0272	-.0043	.0190	-.0008	225.9	.0000	.0001	.0049	.0003
#3	-.0006	.0203	-.0012	.0179	-.0003	226.2	.0002	.0002	.0045	-.0007

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	3.425	4.150	34.43	.0069	-.0035	157.1	-.0004	-.0057	-.0052	.0010
Stddev	.031	.066	.03	.0001	.0003	.5	.0006	.0010	.0066	.0035
%RSD	.8989	1.587	.0890	1.903	9.638	.3280	132.3	17.49	125.1	355.9
#1	3.457	4								

Sample Name: FA39144-4 Acquired: 12/6/2016 11:22:56 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.027	-0.1426	-0.053	0.750	-0.002	367.7	0.003	-0.009	0.042
Stddev	0.065	0.0430	0.0051	0.026	0.0013	0.8	0.003	0.008	0.003
%RSD	241.4	30.16	96.24	3.436	576.8	2.265	93.64	85.92	7.165
#1	-0.082	-0.0934	-0.0015	0.726	0.003	367.4	0.006	-0.019	0.042
#2	-0.044	-0.1615	-0.0033	0.777	0.007	368.7	0.000	-0.007	0.045
#3	-0.043	-0.1729	-0.0112	0.749	-0.017	367.2	0.004	-0.003	0.039
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.005	31.92	4.653	223.5	0.816	-0.067	F1211.	-0.012	-0.068
Stddev	0.015	12	2.56	6	0.006	0.005	6	0.007	0.034
%RSD	323.6	3.777	5.490	2.523	7.706	7.631	5.033	54.34	49.28
#1	-0.021	31.83	4.364	223.4	0.816	-0.068	1215.	-0.014	-0.094
#2	-0.004	32.06	4.747	224.1	0.810	-0.072	1214.	-0.018	-0.081
#3	0.010	31.89	4.849	223.0	0.823	-0.062	1204.	-0.005	-0.030
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.130	0.123	2.921	-0.023	1.945	0.048	-0.016	-0.015	0.600
Stddev	0.102	0.088	0.05	0.036	0.000	0.006	0.013	0.026	0.003
%RSD	78.98	72.08	1.627	159.0	0.166	13.41	84.97	173.2	5.329
#1	-0.012	0.039	2.917	-0.014	1.945	0.055	-0.002	-0.036	0.598
#2	-0.020	0.113	2.920	0.008	1.945	0.043	-0.017	0.014	0.604
#3	-0.014	0.026	2.926	-0.062	1.944	0.045	-0.028	-0.023	0.598
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2221.5	6683.2	4370.2	5178.5					
Stddev	2.5	12.5	184.	29.3					
%RSD	0.11279	0.18651	0.42175	0.56515					
#1	2224.3	6690.6	43539.	5146.9					
#2	2219.4	6668.9	43902.	5183.9					
#3	2220.9	6690.3	43664.	5204.7					

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Sample Name: FA39144-6 Acquired: 12/6/2016 11:27:05 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.021	-0.089	0.004	0.556	-0.003	167.9	0.000	-0.004	0.020	-0.006
Stddev	0.016	0.0642	0.0017	0.022	0.006	2	0.000	0.001	0.032	0.005
%RSD	78.05	73.89	379.4	3.938	242.4	1.239	3022.	25.35	161.2	87.26
#1	0.004	-0.0917	0.016	0.580	-0.007	167.7	0.001	-0.004	-0.007	-0.002
#2	0.037	-0.204	-0.0015	0.551	-0.005	168.1	-0.001	-0.005	0.055	-0.004
#3	0.023	-0.1486	0.013	0.537	0.005	167.9	0.000	-0.003	0.012	-0.012
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	18.81	6.395	111.3	0.432	-0.063	606.7	0.015	-0.019	-0.071	-0.001
Stddev	0.4	2.36	8	0.003	0.004	1.2	0.008	0.033	0.120	0.113
%RSD	2.170	3.690	6.829	7.495	6.919	1.963	48.63	175.8	169.0	7939.
#1	18.82	6.156	111.1	0.429	-0.060	605.3	0.018	0.019	0.011	0.014
#2	18.77	6.628	110.6	0.436	-0.068	607.2	0.022	-0.045	-0.016	0.103
#3	18.85	6.402	112.1	0.431	-0.061	607.5	0.007	-0.030	-0.028	-0.122
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	3.800	-0.018	1.127	0.026	-0.031	-0.017	0.233			
Stddev	0.03	0.016	0.014	0.002	0.051	0.025	0.004			
%RSD	0.782	86.59	1.256	6.454	167.6	142.7	1.892			
#1	3.799	-0.036	1.111	0.025	0.007	0.010	0.228			
#2	3.803	-0.005	1.133	0.025	-0.089	-0.038	0.234			
#3	3.798	-0.014	1.137	0.028	-0.010	-0.024	0.236			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2330.1	6851.8	44865.	5176.7						
Stddev	5.6	9.0	129.	25.4						
%RSD	0.23823	0.13097	0.28763	0.49076						
#1	2328.8	6855.5	45001.	5160.6						
#2	2336.2	6858.4	44850.	5206.0						
#3	2325.4	6841.6	44744.	5163.6						

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7.2
7

Sample Name: FA39144-10 Acquired: 12/6/2016 11:31:14 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.034	0.593	0.011	0.299	0.008	116.1	-0.001	0.000	0.496	0.042
Stddev	0.023	0.544	0.092	0.006	0.014	4	0.004	0.01	0.019	0.027
%RSD	67.32	91.74	863.8	2.089	173.1	3.117	324.2	3895.	3.779	64.79
#1	-0.036	-0.026	-0.005	0.297	-0.008	116.4	-0.004	0.000	0.508	0.049
#2	-0.011	0.810	0.110	0.307	0.015	115.7	0.003	0.005	0.505	0.066
#3	-0.057	0.995	-0.073	0.295	0.016	116.2	-0.003	-0.006	0.474	0.012
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	8.706	1.252	12.69	0.546	0.008	502.6	1.969	-0.062	-0.093	-0.035
Stddev	0.242	0.325	18	0.005	0.004	1.2	0.020	0.043	0.018	0.072
%RSD	2.775	25.97	1.434	0.893	54.63	2.447	1.040	69.46	19.68	205.2
#1	8.449	0.876	12.59	0.543	0.010	504.0	1.986	-0.047	-0.086	0.042
#2	8.741	1.452	12.57	0.551	0.003	501.6	1.946	-0.010	-0.080	-0.100
#3	8.928	1.427	12.90	0.543	0.011	502.3	1.975	-0.028	-0.114	-0.047
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	1.597	-0.020	2.601	0.027	0.012	0.223	0.006			
Stddev	0.06	0.012	0.014	0.004	0.013	0.017	0.006			
%RSD	4.013	57.70	0.5411	14.87	50.09	140.7	2.588			
#1	1.603	-0.008	2.614	0.028	0.020	0.029	0.223			
#2	1.591	-0.022	2.602	0.031	0.042	0.015	0.228			
#3	1.598	-0.031	2.586	0.023	0.018	-0.006	0.217			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2359.5	6912.6	45614.	5208.5						
Stddev	3.0	7.0	119.	49.7						
%RSD	0.12901	0.10094	0.25996	0.95399						
#1	2363.0	6920.2	45543.	5211.1						
#2	2358.3	6910.9	45547.	5256.9						
#3	2357.3	6906.6	45751.	5157.6						

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Sample Name: FA39144-12 Acquired: 12/6/2016 11:35:24 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.004	1.924	-0.004	0.328	-0.006	101.7	0.000	0.016	0.004	0.014
Stddev	0.008	0.582	0.045	0.019	0.005	0	0.000	0.006	0.006	0.019
%RSD	206.4	30.25	1182.	5.889	77.43	0.313	702.0	39.26	148.1	135.8
#1	-0.002	1.291	-0.045	0.335	-0.002	101.7	0.000	0.009	-0.002	-0.007
#2	0.003	2.045	-0.010	0.306	-0.011	101.7	-0.001	0.019	0.003	0.030
#3	-0.013	2.436	0.044	0.343	-0.006	101.7	0.000	0.021	0.011	0.018
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	3.083	1.464	86.81	0.763	-0.052	326.5	-0.001	-0.009	-0.077	-0.015
Stddev	0.02	0.205	24	0.007	0.007	1.6	0.019	0.072	0.023	0.081
%RSD	0.6608	14.01	2.747	0.902						

Sample Name: CCV Acquired: 12/6/2016 11:39:34 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2580	40.45	2.040	2.066	2.027	40.43	2.045	2.048	2.017	2.020
Stddev	.0002	.16	.002	.009	.012	.18	.002	.001	.005	.003
%RSD	.0872	.3907	.1034	.4400	.5987	.4363	.1153	.0494	.2534	.1263
#1	.2581	40.30	2.039	2.056	2.014	40.25	2.048	2.049	2.013	2.023
#2	.2578	40.61	2.043	2.074	2.038	40.60	2.045	2.048	2.023	2.019
#3	.2582	40.45	2.039	2.068	2.029	40.44	2.043	2.047	2.016	2.019

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.95	41.62	40.06	2.034	2.053	41.76	2.054	2.004	2.042	2.041
Stddev	.27	.32	.30	.005	.004	.15	.001	.003	.008	.006
%RSD	.6779	.7652	.7396	.2650	.1871	.3487	.0535	.1659	.3723	.2735
#1	39.64	41.28	39.72	2.040	2.049	41.62	2.054	2.007	2.033	2.035
#2	40.15	41.92	40.25	2.030	2.056	41.91	2.055	2.004	2.045	2.046
#3	40.06	41.66	40.21	2.032	2.055	41.77	2.053	2.000	2.047	2.043

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.663	2.056	2.074	2.048	2.032	2.034	2.037
Stddev	.003	.004	.011	.004	.001	.010	.005
%RSD	.1883	.1942	.5443	.2176	.0468	.5094	.2257
#1	1.659	2.056	2.063	2.053	2.033	2.025	2.042
#2	1.664	2.059	2.085	2.044	2.031	2.046	2.037
#3	1.665	2.051	2.075	2.046	2.032	2.032	2.033

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 12/6/2016 11:39:34 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2170.2	6747.9	44346.	5125.0
Stddev	7.4	17.4	96.	37.6
%RSD	.34325	.25723	.21597	.73356
#1	2161.6	6728.0	44241.	5141.3
#2	2174.0	6755.9	44428.	5082.0
#3	2174.9	6759.9	44370.	5151.6

Sample Name: CCB Acquired: 12/6/2016 11:43:29 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	-0.185	.0002	-0.001	.0001	.0029	.0000	.0000	-0.0001
Stddev	.0000	.0019	.0005	.0001	.0000	.0026	.0000	.000	.0002
%RSD	10.96	10.55	228.4	166.3	15.84	90.02	49.92	130.7	277.0
#1	-0.0003	-0.196	.0003	-0.001	.0001	.0052	.0001	.0000	.0000
#2	-0.0003	-0.162	-0.0003	-0.002	.0001	.0001	.0001	-0.0001	.0001
#3	-0.0004	-0.196	.0006	.0000	.0001	.0033	.0000	.0000	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0065	.0195	-0.078	.0000	F.0015	-0.108	.0001	.0002
Stddev	.0000	.0036	.0346	.0071	.0000	.0003	.0049	.0002	.0006
%RSD	26.10	54.88	177.1	90.73	58.51	18.38	45.15	363.1	420.5
#1	.0002	.0093	.0411	-0.004	.0000	.0017	-0.117	.0001	-0.0005
#2	.0001	.0077	-0.203	-0.086	.0000	.0014	-0.151	-0.002	.0007
#3	.0002	.0025	.0378	-0.145	.0000	.0012	-0.055	.0003	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0005	.0002	-0.001	.0000	.0002	.0001	.0000	.0001
Stddev	.0003	.0011	.0001	.0003	.0001	.0000	.0003	.0001	.0000
%RSD	217.2	197.9	49.04	310.8	633.7	20.74	254.8	416.9	16.12
#1	.0000	-0.0006	.0002	-0.001	-0.001	.0003	-0.002	.0002	.0001
#2	.0005	.0006	.0001	-0.004	.0001	.0002	.0001	.0001	.0001
#3	-0.0001	.0016	.0002	.0002	.0001	.0002	.0004	-0.0001	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 12/6/2016 11:43:29 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2557.4	7085.3	47127.	5219.6
Stddev	11.0	19.5	122.	56.8
%RSD	.43181	.27535	.25882	1.0877
#1	2551.4	7079.2	47095.	5200.2
#2	2550.7	7069.6	47024.	5175.0
#3	2570.1	7107.1	47262.	5283.5

Sample Name: FA39144-13 Acquired: 12/6/2016 11:47:42 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0007	-.0805	.0057	.0390	.0001	60.43	-.0001	-.0010	.0155	.0062
Stddev	.0022	.0528	.0082	.0032	.0002	.21	.0003	.0007	.0015	.0016
%RSD	331.7	65.50	144.1	8.225	178.1	3548	260.5	69.05	9.969	25.92
#1	.0022	-.0308	.0122	.0372	-.0001	60.19	-.0002	-.0003	.0170	.0065
#2	-.0019	-.0749	-.0035	.0427	.0003	60.48	-.0004	-.0017	.0139	.0044
#3	.0016	-.1359	.0085	.0371	.0001	60.61	.0002	-.0010	.0157	.0076
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	13.40	2.103	22.22	.0080	.0110	684.7	-.0003	-.0014	-.0067	.0058
Stddev	.08	.141	.16	.0006	.0005	1.3	.0010	.0021	.0028	.0129
%RSD	.5946	6.700	.7194	8.110	4.432	.1863	301.7	155.4	41.68	220.4
#1	13.34	2.253	22.36	.0078	.0104	685.8	-.0006	-.0021	-.0093	-.0032
#2	13.49	2.081	22.26	.0087	.0114	685.1	-.0012	-.0031	-.0038	.0002
#3	13.38	1.974	22.05	.0074	.0111	683.3	.0007	.0010	-.0069	.0206
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	1.774	-.0003	.0218	.0025	.0025	.0042	.0351			
Stddev	.004	.0036	.0014	.0011	.0058	.0009	.0004			
%RSD	.1950	1189.	6.493	43.58	236.1	22.70	1.176			
#1	1.771	-.0044	.0229	.0029	.0029	.0036	.0347			
#2	1.773	.0021	.0223	.0033	.0080	.0036	.0350			
#3	1.778	.0014	.0202	.0013	-.0036	.0053	.0355			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2348.2	6876.1	44939.	5166.2						
Stddev	.5	10.0	264.	12.5						
%RSD	.01947	.14506	.58816	.24202						
#1	2348.6	6887.6	45223.	5179.2						
#2	2347.7	6871.2	44700.	5165.0						
#3	2348.4	6869.5	44894.	5154.2						

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Sample Name: FA39144-15 Acquired: 12/6/2016 11:51:53 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0003	-.0082	-.0010	.0288	.0001	177.7	.0030	.0019	.0171	.0019
Stddev	.0023	.0098	.0023	.0009	.0003	.3	.0001	.0005	.0006	.0006
%RSD	666.6	119.2	238.8	3.254	231.3	.1827	3.233	26.12	3.233	33.27
#1	-.0023	-.0175	.0010	.0277	-.0002	178.0	.0029	.0023	.0169	.0022
#2	.0012	-.0092	-.0035	.0295	.0004	177.5	.0029	.0020	.0178	.0022
#3	.0021	.0020	-.0004	.0291	.0001	177.4	.0031	.0014	.0167	.0012
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0069	2.103	52.42	.0597	-.0023	190.7	.0043	-.0032	-.0030	.0070
Stddev	.0079	.120	.23	.0006	.0001	.3	.0007	.0026	.0031	.0081
%RSD	114.7	5.703	.4429	1.023	4.572	.1386	17.22	82.24	104.9	115.7
#1	.0144	2.084	52.63	.0594	-.0023	191.0	.0039	-.0044	-.0008	-.0023
#2	.0077	1.993	52.17	.0593	-.0022	190.6	.0038	-.0050	-.0016	.0125
#3	-.0014	2.231	52.46	.0604	-.0024	190.6	.0051	-.0002	-.0066	.0109
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	4.705	-.0002	.1679	.0024	.0018	.0020	.0234			
Stddev	.004	.0016	.0008	.0001	.0015	.0003	.0000			
%RSD	.0896	698.4	.4852	5.611	88.20	13.27	.2130			
#1	4.700	-.0010	.1679	.0023	.0032	.0022	.0234			
#2	4.707	-.0013	.1687	.0024	.0019	.0021	.0233			
#3	4.707	.0016	.1671	.0026	.0001	.0017	.0234			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2330.0	6800.3	44788.	5128.6						
Stddev	3.3	12.5	249.	17.7						
%RSD	.14207	.18331	.55524	.34437						
#1	2328.1	6799.4	44900.	5112.4						
#2	2328.1	6788.3	44960.	5147.4						
#3	2333.8	6813.1	44503.	5126.1						

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7.2
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Sample Name: FA39144-19 Acquired: 12/6/2016 11:56:02 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0005	5.525	.0045	.0476	.0000	74.86	-.0003	-.0006	.0172	.0018
Stddev	.0003	.056	.0004	.0008	.0002	.48	.0001	.0003	.0011	.0006
%RSD	66.34	1.020	8.606	1.605	8407.	.6445	54.00	53.91	6.624	35.42
#1	-.0006	5.525	.0041	.0469	.0000	75.05	-.0002	-.0009	.0160	.0025
#2	-.0001	5.581	.0047	.0477	.0002	75.21	-.0002	-.0004	.0182	.0012
#3	-.0007	5.468	.0048	.0484	-.0003	74.31	-.0004	-.0004	.0175	.0017
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	32.14	.4405	35.40	.0479	-.0004	152.2	.0017	.0045	-.0043	.0022
Stddev	.22	.1258	.14	.0002	.0003	.8	.0009	.0012	.0011	.0020
%RSD	.6984	28.57	.3854	.5095	90.15	5036	54.67	26.15	26.57	88.11
#1	32.26	.4353	35.34	.0476	-.0007	152.7	.0024	.0052	-.0047	.0044
#2	32.28	.3173	35.56	.0480	.0000	152.7	.0006	.0052	-.0051	.0019
#3	31.88	.5688	35.31	.0480	-.0005	151.3	.0021	.0031	-.0030	.0005
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	4.064	.0005	.0741	.0444	.0012	.0104	.0359			
Stddev	.009	.0008	.0011	.0020	.0025	.0004	.0003			
%RSD	.2250	159.9	1.497	4.509	208.3	3.480	.7667			
#1	4.069	.0011	.0739	.0422	.0030	.0107	.0356			
#2	4.071	.0007	.0753	.0460	-.0017	.0106	.0359			
#3	4.054	-.0004	.0732	.0450	.0023	.0100	.0362			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2373.3	6910.8	45466.	5164.3						
Stddev	10.1	14.5	124.	24.4						
%RSD	.42706	.20989	.27291	.47157						
#1	2375.2	6903.6	45609.	5174.4						
#2	2382.4	6927.5	45389.	5136.5						
#3	2362.4	6901.3	45399.	5181.9						

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Sample Name: FA39195-44 Acquired: 12/6/2016 12:00:09 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0052	59.51	.0401	.2492	.0049	74.59	.0063	.0077	.3244	1.447
Stddev	.0006	.21	.0011	.0007	.0002	.27	.0001	.0001	.0013	.002
%RSD	12.41	.3609	2.842	.2752	4.365	.3662	1.550	.9585	.3878	.1320
#1	.0055	59.27	.0404	.2500	.0047	74.31	.0063	.0076	.3238	1.445
#2	.0045	59.69	.0388	.2489	.0049	74.86	.0062	.0077	.3235	1.449
#3	.0057	59.56								

Sample Name: MP31272-MB1 Acquired: 12/6/2016 12:04:14 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.0142	-0.0011	-0.0002	.0000	.0121	-0.0001	-0.0002	.0003	.0000
Stddev	.0002	.0110	.0010	.0002	.000	.0022	.0000	.0001	.0003	.000
%RSD	263.3	77.07	91.46	113.9	81.66	18.45	47.92	31.76	101.3	661.9
#1	-0.004	-0.0213	-0.0021	-0.0000	-0.0001	.0116	-0.0001	-0.0001	.0003	.0000
#2	.0001	-0.0198	-0.0002	-0.0002	.0000	.0146	-0.0001	-0.0002	.0006	.0001
#3	-0.001	-0.0016	-0.0009	-0.0005	-0.0001	.0102	.0000	-0.0002	.0000	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0066	-0.0092	-0.0230	.0000	-0.0005	.0017	.0001	.0005	.0000	.0008
Stddev	.0027	.0406	.0146	.0000	.0001	.0068	.0002	.0002	.0008	.0006
%RSD	40.93	439.5	63.63	71.47	31.03	403.9	133.6	40.91	7388.	71.26
#1	.0088	.0178	-0.0063	.0000	-0.0006	.0007	.0001	.0008	.0003	.0001
#2	.0075	-0.0559	-0.0293	.0001	-0.0004	-0.0046	.0000	.0005	.0007	.0010
#3	.0036	.0104	-0.0334	.0000	-0.0003	.0089	.0003	.0003	-0.0009	.0012

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	.0004	-0.0001	-0.0002	-0.0013	.0000	.0007
Stddev	.0001	.0001	.0001	.0001	.0003	.0002	.0001
%RSD	9.501	33.14	194.4	53.09	22.31	388.5	12.95
#1	.0012	.0003	.0001	-0.0002	-0.0016	.0001	.0006
#2	.0014	.0005	-0.0001	-0.0001	-0.0014	-0.0001	.0008
#3	.0013	.0003	-0.0002	-0.0003	-0.0010	.0002	.0007

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP31272-MB1 Acquired: 12/6/2016 12:04:14 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2471.3	6838.8	45824.	5037.8
Stddev	5.1	11.7	223.	12.0
%RSD	.20640	.17040	.48565	.23894
#1	2477.2	6850.7	45677.	5024.5
#2	2467.9	6838.4	46080.	5040.9
#3	2468.9	6827.4	45716.	5047.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP31272-B1 Acquired: 12/6/2016 12:08:27 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0482	30.19	2.184	2.305	.0568	28.21	.0551	.5537	.2197	.2799
Stddev	.0003	.10	.009	.008	.0003	.08	.0000	.0005	.0003	.0011
%RSD	.6042	.3399	.4060	.3658	.4958	.2911	.0300	.0959	.1502	.3956
#1	.0480	30.13	2.192	2.309	.0566	28.16	.0551	.5531	.2200	.2811
#2	.0485	30.30	2.185	2.312	.0571	28.30	.0551	.5542	.2193	.2790
#3	.0481	30.12	2.174	2.296	.0567	28.16	.0551	.5537	.2198	.2795

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	29.62	29.16	27.76	.5607	.5784	29.07	.5657	.5325	.5569	2.208
Stddev	.07	.16	.12	.0034	.0007	.08	.0014	.0011	.0007	.009
%RSD	.2447	.5654	.4301	.6090	.1176	.2865	.2473	.2038	.1235	.4082
#1	29.61	29.27	27.62	.5590	.5791	29.05	.5669	.5329	.5568	2.218
#2	29.69	29.23	27.80	.5646	.5782	29.16	.5660	.5333	.5577	2.205
#3	29.55	28.97	27.85	.5584	.5778	29.00	.5641	.5313	.5564	2.202

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	.5660	.5704	.5658	2.168	.5246	.5471
Stddev	.0002	.0014	.0022	.0029	.005	.0019	.0005
%RSD	16.68	.2408	.3857	.5085	.2184	.3558	.0912
#1	.0016	.5650	.5687	.5640	2.171	.5237	.5469
#2	.0012	.5655	.5729	.5692	2.172	.5234	.5476
#3	.0012	.5676	.5698	.5643	2.163	.5268	.5467

Check ? None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP31272-B1 Acquired: 12/6/2016 12:08:27 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2188.6	6608.4	43660.	4950.7
Stddev	2.6	5.7	297.	22.5
%RSD	.11856	.08608	.67988	.45523
#1	2187.1	6609.5	43755.	4925.7
#2	2187.1	6602.2	43327.	4969.3
#3	2191.6	6613.4	43897.	4957.3

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: FA39222-6 Acquired: 12/6/2016 12:12:25 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0000	.0928	-.0003	.0381	.0000	3.200	.0000	.0000	.0006	.0006
Stddev	.000	.0036	.0011	.0002	.0002	.011	.000	.000	.0002	.0003
%RSD	448.8	3.925	406.1	.4743	4340.	.3551	499.4	368.5	41.95	55.39
#1	-.0001	.0950	.0003	.0383	-.0001	3.207	.0000	.0001	.0007	.0009
#2	-.0002	.0886	-.0016	.0379	-.0001	3.187	.0000	.0000	.0007	.0006
#3	.0002	.0948	.0005	.0381	.0002	3.206	.0000	-.0002	.0003	.0002
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0580	1.935	1.802	.0378	-.0001	13.94	.0003	.0006	-.0003	.0020
Stddev	.0008	.016	.006	.0003	.0000	.02	.0001	.0001	.0011	.0005
%RSD	1.405	.8136	.3521	.7734	64.44	.1768	45.78	16.52	397.2	26.07
#1	.0589	1.933	1.795	.0382	-.0001	13.95	.0004	.0006	-.0003	.0014
#2	.0579	1.920	1.808	.0376	.0000	13.95	.0001	.0007	-.0013	.0020
#3	.0573	1.951	1.804	.0377	.0000	13.91	.0002	.0005	.0009	.0024
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	2.493	.0002	.0281	.0020	-.0001	.0002	.0034			
Stddev	.007	.0002	.0002	.0001	.0002	.0002	.0000			
%RSD	.2958	77.42	.5419	2.692	242.2	92.44	8046			
#1	2.502	.0002	.0279	.0021	-.0001	.0004	.0034			
#2	2.488	.0005	.0282	.0020	-.0001	.0003	.0034			
#3	2.490	.0001	.0281	.0021	-.0003	.0000	.0034			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2382.7	6764.3	45184.	4974.2						
Stddev	3.5	9.1	256.	8.7						
%RSD	.14713	.13500	.56743	.17419						
#1	2384.8	6756.3	44890.	4972.7						
#2	2384.7	6774.3	45302.	4983.5						
#3	2378.7	6762.3	45361.	4966.4						

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Sample Name: MP31272-D1 Acquired: 12/6/2016 12:16:34 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0000	.0969	-.0010	.0375	.0000	3.171	.0000	.0000	.0008	.0007
Stddev	.0003	.0066	.0004	.0003	.000	.008	.000	.000	.0001	.0003
%RSD	1899.	6.856	39.11	.8756	496.3	.2514	73.63	247.3	7.076	47.06
#1	.0003	.1045	-.0014	.0377	.0001	3.177	.0000	.0001	.0008	.0011
#2	-.0001	.0928	-.0006	.0371	.0000	3.175	-.0001	.0000	.0007	.0006
#3	-.0002	.0933	-.0010	.0377	-.0001	3.162	.0000	.0000	.0008	.0004
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0512	1.951	1.811	.0376	-.0004	13.81	.0004	.0001	-.0002	.0011
Stddev	.0019	.021	.006	.0001	.0000	.06	.0002	.0005	.0002	.0005
%RSD	3.742	1.096	.3210	.3875	9.228	.4603	51.11	478.8	111.3	48.29
#1	.0526	1.932	1.805	.0376	-.0005	13.89	.0006	.0003	-.0005	.0006
#2	.0490	1.974	1.810	.0377	-.0005	13.79	.0002	.0005	.0000	.0009
#3	.0520	1.948	1.816	.0374	-.0004	13.77	.0003	-.0005	-.0001	.0016
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	2.466	.0003	.0277	.0021	-.0011	.0003	.0028			
Stddev	.008	.0002	.0000	.0001	.0003	.0002	.0000			
%RSD	.3319	56.48	.1404	4.731	25.10	55.82	1.495			
#1	2.471	.0001	.0277	.0023	-.0013	.0005	.0028			
#2	2.457	.0004	.0277	.0021	-.0008	.0003	.0028			
#3	2.471	.0005	.0277	.0021	-.0012	.0002	.0028			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2386.0	6770.4	44880.	4979.7						
Stddev	7.7	22.3	348.	30.0						
%RSD	.32178	.32964	.77580	.60235						
#1	2378.3	6750.5	44856.	4959.4						
#2	2393.7	6794.5	44545.	5014.1						
#3	2386.1	6766.2	45240.	4965.6						

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7.2
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Sample Name: MP31272-SD1 Acquired: 12/6/2016 12:20:45 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0008	.0156	-.0006	.0360	.0001	3.131	-.0003	-.0008	-.0012	.0003
Stddev	.0006	.0820	.0061	.0009	.0002	.015	.0002	.0005	.0013	.0002
%RSD	82.10	524.5	1029.	2.398	156.3	.4822	50.50	62.94	108.0	72.74
#1	-.0001	-.0041	-.0034	.0365	-.0001	3.121	-.0003	-.0007	-.0013	.0005
#2	-.0014	.1057	.0064	.0364	.0002	3.123	-.0002	-.0003	.0001	.0002
#3	-.0008	-.0547	-.0048	.0350	.0002	3.148	-.0005	-.0012	-.0026	.0001
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0349	1.955	1.718	.0369	-.0025	13.56	-.0002	.0013	-.0033	-.0012
Stddev	.0111	.083	.112	.0003	.0006	.09	.0005	.0012	.0019	.0064
%RSD	31.83	4.256	6.542	.8455	23.47	.6848	253.8	93.53	57.33	557.3
#1	.0450	2.015	1.842	.0370	-.0020	13.61	-.0007	.0022	-.0018	-.0082
#2	.0367	1.990	1.623	.0372	-.0031	13.45	-.0003	-.0001	-.0026	.0045
#3	.0230	1.860	1.689	.0366	-.0023	13.61	.0003	.0019	-.0055	.0002
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	2.439	-.0018	.0272	.0011	.0030	.0001	.0173			
Stddev	.006	.0016	.0007	.0006	.0003	.0006	.0002			
%RSD	.2585	93.84	2.416	54.14	9.292	1020.	.9917			
#1	2.433	-.0023	.0280	.0007	.0031	-.0006	.0173			
#2	2.437	.0001	.0267	.0008	.0032	.0003	.0171			
#3	2.446	-.0030	.0270	.0018	.0027	.0006	.0174			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2523.2	7047.6	47037.	5169.4						
Stddev	1.8	11.4	87.	25.4						
%RSD	.07127	.16139	.18524	.49076						
#1	2525.3	7048.1	46937.	5174.2						
#2	2522.4	7058.7	47074.	5192.0						
#3	2522.0	7036.0	47099.	5142.0						

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Sample Name: MP31272-PS1 Acquired: 12/6/2016 12:24:56 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0443	2.945	.1139	.3368	.0569	8.939	.0564	.0574	.0569	.1152
Stddev	.0003	.017	.0009	.0009	.0006	.009	.0001	.0002	.0008	.0008
%RSD	6.653	.5618	.7877	.2579	1.023	.0960	.1545	.3716	1.493	6.761
#1	.0441	2.941	.1132	.3377	.0564	8.947	.0564	.0572	.0579	.1145
#2	.0442	2.963	.1136	.3359	.0569	8.940	.0565	.0575	.0563	.1160
#3	.0447	2.930	.1149	.3367	.0575	8.930	.0563	.0575	.0565	.1149
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	3.555	13.52	7.480	.0942	-.1158	25.33	.1156	.0530	.1193	.1117
Stddev	.016	.05	.050	.0004	.0001	.02	.0003	.0008	.0010	.0024
%RSD	4.403	.3824	.6648	.4429	1.102	.0842	.2347	1.587	8.371	2.190
#1	3.542	13.55	7.426	.0944	-.1157	25.35	.1159	.0538	.1183	.1096
#2	3.550	13.46	7.492	.0946	-.1160	25.31	.1157	.0533	.1203	.1144
#3	3.572	13.54	7.524	.0938	-.1157	25.34</				

Sample Name: CCV Acquired: 12/6/2016 12:28:57 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2585	40.57	2.067	2.075	2.047	40.57	2.050	2.055	2.038	2.063
Stddev	.0007	.05	.002	.005	.002	.07	.002	.001	.002	.002
%RSD	.2614	.1178	.0894	.2219	.0885	.1706	.0822	.0550	.1156	.1157
#1	2593	40.55	2.068	2.070	2.045	40.62	2.052	2.054	2.038	2.065
#2	2581	40.53	2.069	2.079	2.047	40.49	2.048	2.055	2.040	2.064
#3	2581	40.62	2.065	2.076	2.049	40.59	2.049	2.056	2.035	2.061

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.37	42.47	40.62	2.074	2.072	42.56	2.084	2.013	2.066	2.070
Stddev	.02	.19	.12	.007	.002	.04	.003	.004	.007	.004
%RSD	.0477	.4481	.2934	.3529	.0724	.0993	.1425	.1817	.3215	.1949
#1	40.36	42.25	40.75	2.069	2.070	42.59	2.086	2.014	2.060	2.066
#2	40.35	42.58	40.53	2.070	2.073	42.51	2.085	2.009	2.073	2.074
#3	40.39	42.58	40.57	2.082	2.073	42.57	2.081	2.016	2.065	2.069

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.680	2.048	2.097	2.082	2.039	2.046	2.045
Stddev	.003	.002	.004	.007	.003	.005	.005
%RSD	.2016	.0879	.1829	.3296	.1283	.2271	.2312
#1	1.678	2.047	2.094	2.078	2.036	2.043	2.051
#2	1.684	2.046	2.096	2.078	2.041	2.051	2.043
#3	1.678	2.050	2.101	2.090	2.039	2.043	2.042

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 12/6/2016 12:28:57 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2172.6	6741.0	4396.0	5127.9
Stddev	3.1	13.4	172.	30.3
%RSD	.14456	.19869	.39065	.59071
#1	2169.1	6726.5	44134.	5117.7
#2	2173.7	6743.4	43955.	5161.9
#3	2175.0	6753.0	43791.	5103.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 12/6/2016 12:32:52 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.169	.0000	.0000	.0001	.0011	.0000	.0000	-0.0002
Stddev	.000	.0036	.0004	.0001	.0000	.0023	.0000	.000	.0002
%RSD	168.1	21.47	925.9	140.1	27.78	203.7	133.7	98.34	148.9
#1	-0.004	-0.175	.0003	.0001	.0001	.0011	.0000	-0.001	-0.003
#2	.0001	-0.131	.0003	.0000	.0001	.0035	.0000	.0000	-0.002
#3	.0003	-0.203	-0.004	.0000	.0001	-0.011	.0001	.0000	.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0061	-0.030	.0004	.0000	F .0014	-0.0352	.0002	.0006
Stddev	.0001	.0056	.0110	.0157	.0000	.0004	.0101	.0001	.0007
%RSD	41.69	92.40	363.2	4177.	94.13	27.99	28.66	58.01	110.6
#1	.0002	.0119	-0.156	-0.020	.0001	.0018	-0.0386	.0002	.0007
#2	.0003	.0007	.0014	.0172	.0000	.0014	-0.0239	.0001	-0.001
#3	.0001	.0057	.0051	-0.140	.0000	.0010	-0.0432	.0003	.0013

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0006	.0011	.0002	.0001	.0000	.0002	.0003	.0001	.0001
Stddev	.0001	.0003	.0002	.0002	.0001	.0001	.0002	.0002	.0000
%RSD	17.95	22.14	102.8	119.1	346.9	36.96	62.48	255.1	45.84
#1	-0.006	.0009	.0002	.0002	.0000	.0003	.0001	-0.001	.0001
#2	-0.005	.0012	.0004	.0003	.0001	.0002	.0005	.0002	.0001
#3	-0.007	.0013	.0000	.0000	.0000	.0002	.0002	.0001	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 12/6/2016 12:32:52 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2548.3	7055.2	47068.	5145.3
Stddev	1.7	6.3	127.	19.7
%RSD	.06822	.08957	.27083	.38217
#1	2549.6	7050.3	47216.	5142.4
#2	2546.3	7062.3	46997.	5127.2
#3	2548.9	7053.0	46992.	5166.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: MP31272-S1 Acquired: 12/6/2016 12:37:04 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0483	30.41	2.222	2.380	.0574	31.45	.0554	5.563	2.214	2.847
Stddev	.0002	.05	.002	.005	.0005	.06	.0000	.0008	.0011	.0005
%RSD	.4995	.1689	.0709	.2013	.8775	.1829	.0858	.1471	.4798	.1806
#1	.0482	30.39	2.223	2.377	.0569	31.39	.0555	5.573	2.225	2.846
#2	.0486	30.38	2.223	2.376	.0572	31.47	.0554	5.559	2.213	2.842
#3	.0481	30.47	2.221	2.385	.0579	31.50	.0554	5.559	2.204	2.852

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	29.85	31.60	29.58	6.069	5.856	43.35	5.710	5.400	5.638	2.236
Stddev	.13	.20	.15	.0043	.0010	.06	.0009	.0006	.0011	.009
%RSD	.4420	.6323	.5100	.7003	.1676	.1412	.1514	.1019	.1955	.3888
#1	29.79	31.49	29.52	6.088	5.861	43.33	5.714	5.401	5.644	2.241
#2	29.76	31.47	29.46	6.021	5.863	43.30	5.717	5.405	5.625	2.240
#3	30.00	31.83	29.75	6.099	5.845	43.42	5.701	5.394	5.644	2.226

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	2.566	5.680	6.073	5.784	2.190	5.291	5.531
Stddev	.002	.0009	.0013	.0039	.004	.0018	.0006
%RSD	.0586	.1525	.2214	6.700	2.063	3.384	1.033
#1	2.568	5.685	6.061	5.804	2.188	5.292	5.531
#2	2.566	5.670	6.071	5.739	2.195	5.309	5.526
#3	2.566	5.684	6.088	5.808	2.186	5.273	5.537

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2164.5	6599.9	4341.1	4964.6
Stddev	2.1	6.7	330.	30.4
%RSD	.09550	.10223	.76054	.61155
#1	2164.0	6594.4	4334.9	4970.0
#2	2166.8	6607.4	4376.8	4991.8
#3	2162.8	6597.8	4311.6	4931.8

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Sample Name: FA39222-1 Acquired: 12/6/2016 12:45:01 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0000	1.760	-.0003	.0927	-.0000	6.954	.0000	.0011	.0036	.0034
Stddev	.000	.005	.0003	.0002	.0000	.020	.0001	.0001	.0001	.0002
%RSD	188.1	.3027	114.5	.2596	117.5	.2821	6.961	8.291	3.653	6.216
#1	.0000	1.765	-.0001	.0929	.0000	6.932	.0001	.0012	.0035	.0036
#2	-.0001	1.754	-.0007	.0927	.0000	6.959	.0000	.0011	.0035	.0034
#3	.0000	1.760	-.0001	.0924	.0001	6.971	.0000	.0010	.0037	.0032

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	2.337	3.388	5.141	.0630	.0004	9.736	.0020	.0006	.0000	.0021
Stddev	.003	.062	.039	.0005	.0000	.007	.0001	.0002	.001	.0005
%RSD	.1166	1.824	.7549	.7811	6.765	.0674	6.598	40.85	1937.	24.26
#1	2.338	3.414	5.100	.0630	.0004	9.742	.0018	.0008	-.0005	.0015
#2	2.340	3.432	5.147	.0635	.0004	9.729	.0020	.0006	-.0003	.0024
#3	2.335	3.317	5.177	.0625	.0003	9.739	.0021	.0003	.0007	.0023

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	3.747	.0003	.0656	.1281	-.0001	.0070	.0103
Stddev	.005	.0000	.0003	.0070	.0003	.0000	.0000
%RSD	.1437	16.46	.3979	5.443	231.1	.4535	.1748
#1	3.752	.0003	.0658	.1283	-.0001	.0070	.0103
#2	3.742	.0002	.0653	.1350	-.0004	.0070	.0104
#3	3.747	.0003	.0656	.1211	.0001	.0070	.0103

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2357.4	6800.1	4530.3	5037.2
Stddev	5.0	11.6	325.	37.0
%RSD	.21210	.17014	.71669	.73374
#1	2355.8	6796.0	4517.4	5067.1
#2	2353.5	6791.1	4506.2	4995.9
#3	2363.0	6813.1	4567.2	5048.5

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Sample Name: MP31272-S2 Acquired: 12/6/2016 12:41:03 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0483	30.25	2.202	2.350	.0570	31.26	.0551	5.521	2.201	2.809
Stddev	.0002	.19	.003	.015	.0005	.18	.0001	.0008	.0003	.0008
%RSD	.4495	.6290	.1364	.6515	.8627	.5685	.2561	.1508	.1452	.2679
#1	.0485	30.20	2.203	2.351	.0572	31.28	.0551	5.515	2.199	2.818
#2	.0483	30.46	2.204	2.365	.0573	31.43	.0552	5.530	2.200	2.806
#3	.0481	30.08	2.198	2.335	.0564	31.07	.0549	5.517	2.205	2.804

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	29.67	31.27	29.57	6.006	5.794	42.64	5.656	5.357	5.588	2.220
Stddev	.14	.21	.09	.0022	.0005	.25	.0009	.0009	.0006	.005
%RSD	.4770	.6750	.2972	.3625	.0933	.5868	.1517	.1659	.1024	.2404
#1	29.75	31.35	29.63	5.982	5.801	42.68	5.649	5.347	5.588	2.226
#2	29.75	31.43	29.62	6.015	5.792	42.87	5.666	5.362	5.582	2.215
#3	29.50	31.03	29.47	6.023	5.791	42.37	5.653	5.363	5.593	2.218

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	2.486	5.648	6.018	5.719	2.177	5.266	5.490
Stddev	.002	.0015	.0028	.0019	.002	.0017	.0016
%RSD	.0623	.2721	.4674	.3380	.0962	.3322	.2910
#1	2.488	5.659	6.025	5.697	2.178	5.284	5.483
#2	2.485	5.654	6.042	5.733	2.178	5.249	5.508
#3	2.485	5.630	5.987	5.727	2.175	5.265	5.479

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2163.6	6607.0	4340.2	4936.5
Stddev	4.3	12.3	187.	39.2
%RSD	.19929	.18628	.43062	.79354
#1	2167.5	6615.8	4360.9	4916.1
#2	2159.0	6592.9	4335.3	4911.7
#3	2164.4	6612.3	4324.5	4981.6

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Sample Name: FA39222-2 Acquired: 12/6/2016 12:49:08 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0000	2.197	-.0001	.1000	.0001	7.115	.0000	.0014	.0047	.0040
Stddev	.0002	.030	.0006	.0005	.0000	.017	.000	.0001	.0002	.0003
%RSD	47930.	1.372	966.7	.4531	58.78	2.315	7629.	4.700	4.106	6.638
#1	.0001	2.163	-.0004	.0997	.0001	7.107	.0000	.0014	.0048	.0039
#2	.0001	2.210	-.0006	.1005	.0000	7.104	.0000	.0014	.0048	.0038
#3	-.0002	2.219	-.0004	.0998	.0001	7.134	.0000	.0015	.0045	.0043

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	2.923	3.598	5.416	.0846	.0000	10.06	.0021	.0012	.0000	.0021
Stddev	.022	.031	.025	.0001	.000	.05	.0001	.0001	.0004	.0006
%RSD	.7516	.8672	.4573	.1132	2474.	.5299	5.284	12.44	1442.	26.28
#1	2.902	3.5								

Sample Name: FA39222-4 Acquired: 12/6/2016 12:53:14 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.001	3.336	-0.001	1.187	0.003	1.323	-0.001	0.001	0.046	0.017
Stddev	.0002	.034	.0009	.0001	.0000	.004	.0000	.0000	.0002	.0002
%RSD	274.0	1.017	834.0	.0664	10.23	.3038	57.16	34.65	3.865	12.32
#1	-0.003	3.366	-0.011	.1186	.0003	1.320	-0.001	.0002	.0045	.0019
#2	-0.001	3.344	.0002	-.1187	.0003	1.327	-0.001	.0001	.0045	.0015
#3	.0001	3.299	.0005	-.1188	.0003	1.321	.0000	.0002	.0048	.0017
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	2.303	3.563	1.789	.0278	-.0003	1.864	.0021	.0028	-.0003	.0001
Stddev	.017	.045	.009	.0001	.0001	.012	.0001	.0007	.0015	.0011
%RSD	.7202	1.266	.5069	.3678	26.91	.6362	5.033	23.88	564.4	1076.
#1	2.320	3.523	1.783	.0279	-.0002	1.873	.0020	.0022	.0015	-.0003
#2	2.287	3.554	1.786	.0277	-.0002	1.869	.0022	.0026	-.0011	.0014
#3	2.304	3.612	1.800	.0278	-.0003	1.850	.0021	.0035	-.0012	-.0007
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	5.828	.0008	.0278	.0591	-.0007	.0029	.0105			
Stddev	.026	.0003	.0003	.0026	.0008	.0001	.0000			
%RSD	.4499	45.02	.9393	4.470	111.3	4.761	.3676			
#1	5.853	.0005	.0280	.0611	-.0013	.0028	.0105			
#2	5.800	.0007	.0279	.0601	-.0009	.0028	.0105			
#3	5.830	.0011	.0275	.0561	-.0002	.0031	.0105			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2407.0	7033.3	46911.	5161.3						
Stddev	3.9	16.7	193.	28.2						
%RSD	.16123	.23676	.41161	.54596						
#1	2402.5	7019.7	46976.	5193.7						
#2	2409.1	7051.9	47063.	5147.9						
#3	2409.4	7028.3	46694.	5142.3						

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Sample Name: FA39222-5 Acquired: 12/6/2016 12:57:21 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.003	4.748	.0000	.0271	.0000	1.408	-.0001	.0004	.0038	.0039
Stddev	.0002	.040	.0001	.0003	.0001	.001	.0000	.0000	.0001	.0001
%RSD	83.80	.8502	1971.	1.039	524.8	.0774	56.96	11.39	2.754	3.373
#1	-0.005	4.710	-.0007	.0268	.0000	1.409	.0000	.0004	.0037	.0041
#2	.0000	4.790	.0005	.0274	.0001	1.409	-.0001	.0004	.0038	.0039
#3	-.0003	4.744	.0001	.0272	-.0001	1.407	-.0001	.0004	.0039	.0038
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	2.271	2.052	.9575	.0290	-.0002	17.68	.0028	.0021	.0000	.0008
Stddev	.001	.026	.0132	.0000	.0001	.06	.0001	.0006	.000	.0013
%RSD	.0508	1.291	1.383	.1449	29.93	.3113	3.793	29.51	1068.	174.2
#1	2.270	2.043	.9506	.0290	-.0002	17.64	.0027	.0023	-.0002	.0018
#2	2.270	2.082	.9728	.0290	-.0003	17.65	.0029	.0026	.0000	-.0007
#3	2.272	2.031	.9491	.0290	-.0003	17.74	.0027	.0014	.0001	.0012
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	3.872	.0002	.0137	.1080	-.0015	.0092	.0076			
Stddev	.030	.0001	.0001	.0048	.0001	.0001	.0000			
%RSD	.7881	25.35	.9684	4.406	7.997	1.027	.1891			
#1	3.905	.0003	.0136	.1050	-.0014	.0092	.0076			
#2	3.866	.0003	.0136	.1055	-.0014	.0092	.0076			
#3	3.845	.0002	.0139	.1135	-.0016	.0094	.0076			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2366.2	6858.3	45284.	4988.3						
Stddev	3.2	7.6	149.	23.2						
%RSD	.13591	.11141	.32922	.46424						
#1	2367.0	6854.0	45118.	5007.7						
#2	2362.6	6853.9	45328.	4962.7						
#3	2368.9	6867.2	45406.	4994.6						

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7.2
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Sample Name: FA39222-12 Acquired: 12/6/2016 13:01:29 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0000	.7540	-.0004	.1092	.0001	2.925	.0001	.0032	.0060	.0036
Stddev	.000	.0084	.0004	.0004	.0000	.006	.0000	.0001	.0002	.0001
%RSD	2913.	1.120	104.6	.3889	57.75	.2036	43.54	3.313	2.639	1.852
#1	.0002	.7445	-.0007	.1088	.0001	2.930	.0000	.0031	.0062	.0035
#2	-.0001	.7568	-.0005	.1093	.0001	2.925	.0001	.0031	.0058	.0036
#3	-.0002	.7607	.0001	.1096	.0000	2.919	.0001	.0033	.0061	.0035
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	1.207	2.993	4.018	.0390	-.0002	7.372	.0022	.0013	-.0006	.0007
Stddev	.019	.006	.052	.0001	.0000	.020	.0002	.0005	.0009	.0019
%RSD	1.605	.1973	1.294	.2835	10.57	.2752	8.305	35.00	157.5	257.4
#1	1.198	3.000	4.077	.0391	-.0002	7.392	.0023	.0010	.0002	.0017
#2	1.229	2.988	3.979	.0389	-.0002	7.374	.0022	.0018	-.0016	-.0014
#3	1.193	2.992	3.998	.0391	-.0002	7.351	.0020	.0011	-.0004	.0019
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	2.534	.0004	.0340	.0266	-.0004	.0028	.0106			
Stddev	.017	.0002	.0002	.0065	.0008	.0003	.0001			
%RSD	.6835	51.95	.5794	24.33	207.1	10.83	.5561			
#1	2.549	.0006	.0341	.0227	-.0011	.0031	.0106			
#2	2.540	.0003	.0337	.0230	-.0004	.0027	.0106			
#3	2.515	.0002	.0340	.0341	-.0004	.0025	.0105			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2387.6	6915.8	46025.	5085.6						
Stddev	3.8	6.9	70.	38.7						
%RSD	.16031	.10045	.15280	.76124						
#1	2387.6	6911.8	46013.	5121.8						
#2	2391.5	6911.8	45962.	5044.8						
#3	2383.8	6923.8	46101.	5090.3						

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Sample Name: FA39222-14 Acquired: 12/6/2016 13:05:37 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0002	.0130	-.0008	.0024	.0000	12.53	.0000	-.0001	.0005	.0001
Stddev	.0003	.0033	.0001	.0002	.000	.05	.000	.0000	.0002	.0002
%RSD	158.3	25.20	9.175	8.642	180.3	.4047	214.9	77.98	32.08	231.7
#1	-.0002	.0096	-.0007	.0021	-.0001	12.50	.0000	.0000	.0003	.0003
#2	.0001	.0133	-.0008	.0025	.0000	12.52	-.0001	-.0001	.0006	.0000
#3	-.0005	.0162	-.0008	.0025	.0000	12.59	.0000	.0000	.0005	-.0001
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	2.453	2.331	6.673	.0129	-.0003	5.392	.0008	-.0007	-.0003	.0014
Stddev	.011	.014	.042	.0000	.0001	.008	.0001	.0005	.0006	.0007
%RSD	.4426	.5810	.6213	.3607	15.47	.1445	12.13	72.52	169.7	48.66
#1	2.446	2.317	6.665	.0129	.0003	5.386	.0009	-.0012	-.0008	.0016
#2	2.466	2.343	6.636	.0130	.0004	5.389	.0009	-.0007	-.0005	.0006
#3	2.448	2.333	6.718	.0129						

Sample Name: FA39222-15 Acquired: 12/6/2016 13:09:46 Type: Unk
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA39222-16 Acquired: 12/6/2016 13:14:09 Type: Unk
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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7.2 7

Sample Name: CCV Acquired: 12/6/2016 13:18:18 Type: QC
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (Units, Avg, Stddev, %RSD, #1, #2, #3, Check ? Value Range, Elem, Units, Avg, Stddev, %RSD, #1, #2, #3, Check ? Value Range).

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Sample Name: CCV Acquired: 12/6/2016 13:18:18 Type: QC
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 5 columns (Int. Std., In2306, Y_2243, Y_3600, Y_3710) and 5 rows (Units, Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: CCB Acquired: 12/6/2016 13:22:14 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0041	-.0001	-.0001	.0001	.0000	.0001	-.0001	.0000
Stddev	.000	.0073	.0003	.0002	.0000	.0018	.0000	.0000	.0000
%RSD	1911.	179.5	277.6	166.0	40.68	3755.	3.560	20.00	116.7
#1	.0000	-.0097	-.0004	-.0002	.0001	.0019	.0001	-.0001	.0000
#2	-.0002	-.0066	.0002	-.0003	.0001	-.0001	.0001	-.0001	.0000
#3	.0002	.0042	-.0002	.0001	.0001	-.0016	.0001	-.0001	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0067	-.0236	-.0025	.0000	F.0015	-.0255	.0001	.0006
Stddev	.0002	.0026	.0216	.0218	.0000	.0003	.0054	.0001	.0006
%RSD	386.0	38.15	91.47	880.4	67.45	22.51	21.00	176.3	94.64
#1	.0003	.0092	-.0180	-.0044	.0000	.0018	-.0206	.0002	.0010
#2	.0000	.0067	-.0054	-.0233	.0000	.0013	-.0312	-.0001	-.0001
#3	-.0001	.0041	-.0474	.0202	.0001	.0012	-.0248	.0001	.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-.0010			
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	-.0003	.0001	.0000	.0000	.0003	.0001	.0000	.0000
Stddev	.0002	.0005	.0001	.0001	.0000	.0000	.0005	.0001	.0000
%RSD	37.16	170.8	140.7	209.1	143.8	18.12	388.2	331.8	1467.
#1	-.0007	.0001	.0001	.0001	.0000	.0002	.0005	-.0001	.0000
#2	-.0005	-.0008	.0000	.0000	.0001	.0003	.0003	.0001	-.0001
#3	-.0003	-.0002	.0002	.0000	.0000	.0003	-.0004	.0002	.0000
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 12/6/2016 13:22:14 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2557.5	7122.8	4743.1	5176.3
Stddev	4.3	12.5	65.	29.7
%RSD	.16777	.17518	.13768	.57324
#1	2559.9	7136.3	4750.1	5195.5
#2	2560.1	7120.5	4737.2	5191.4
#3	2552.6	7111.6	4742.0	5142.2

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Sample Name: FA39222-17 Acquired: 12/6/2016 13:26:28 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	.0003	4.422	.0002	.0005	.0000	1.462	.0000	-.0003	.0008
Stddev	.0003	.016	.0010	.0001	.0000	.008	.000	.0001	.0002
%RSD	87.54	.3635	498.2	19.89	4738.	.5406	91.43	48.73	26.89
#1	.0002	4.419	.0013	.0004	.0000	1.454	-.0001	-.0004	.0008
#2	.0007	4.408	-.0003	.0006	.0000	1.462	.0000	-.0001	.0006
#3	.0002	4.439	-.0005	.0005	.0000	1.470	.0000	-.0003	.0010
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0002	.1004	1.602	.0253	.0032	.0190	F292.1	.0002	-.0001
Stddev	.0002	.0018	.045	.0118	.0000	.0001	3.6	.0002	.0000
%RSD	114.2	1.820	2.805	46.55	1.053	.5622	1.238	95.64	27.46
#1	.0003	.1011	1.555	.0136	.0032	.0189	293.4	.0005	-.0001
#2	-.0001	.1018	1.605	.0251	.0033	.0189	288.0	.0001	.0000
#3	.0003	.0984	1.644	.0371	.0032	.0191	294.9	.0001	-.0001
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0005	.0025	10.48	-.0001	.0060	.0031	-.0019	.0276	.0023
Stddev	.0003	.0005	.02	.0004	.0001	.0002	.0011	.0004	.0001
%RSD	57.64	18.24	.1892	606.0	2.290	5.832	59.09	1.593	3.169
#1	-.0009	.0028	10.46	-.0004	.0060	.0032	-.0012	.0278	.0024
#2	-.0005	.0026	10.48	-.0001	.0062	.0032	-.0032	.0271	.0022
#3	-.0003	.0020	10.49	.0003	.0059	.0029	-.0013	.0279	.0023
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2078.7	6410.7	4149.7	4915.2					
Stddev	1.5	4.7	33.	56.9					
%RSD	.07352	.07275	.07904	1.1579					
#1	2079.5	6413.3	4151.6	4956.4					
#2	2079.6	6413.4	4145.9	4938.9					
#3	2076.9	6405.3	4151.6	4850.2					

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Sample Name: FA39222-19 Acquired: 12/6/2016 13:30:47 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0006	5.025	-.0002	.0415	.0000	176.2	.0000	.0009	.0374
Stddev	.0001	.017	.0007	.0005	.000	2.5	.0000	.0000	.0008
%RSD	11.26	.3380	311.3	1.166	21420.	1.416	66.52	2.536	2.093
#1	-.0006	5.037	.0002	.0421	.0000	174.4	.0000	.0009	.0382
#2	-.0006	5.006	-.0010	.0412	.0000	175.1	.0000	.0009	.0375
#3	-.0005	5.032	.0001	.0413	.0000	179.1	.0000	.0009	.0366
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0078	3.834	16.15	194.2	.1368	-.0003	F230.1	.0055	-.0005
Stddev	.0002	.009	.06	.3	.0006	.0001	2.2	.0000	.0004
%RSD	2.281	.2325	.3841	.1377	.4375	28.37	.9538	.4333	82.26
#1	.0080	3.840	16.22	194.5	.1368	-.0002	232.0	.0055	-.0010
#2	.0077	3.824	16.15	193.9	.1373	-.0004	230.7	.0055	-.0004
#3	.0076	3.838	16.09	194.1	.1361	-.0003	227.7	.0055	-.0001
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0011	.0076	7.675	.0000	.8172	.2843	-.0028	.0120	.0208
Stddev	.0006	.0008	.064	.0002	.0023	.0114	.0000	.0001	.0000
%RSD	55.20	10.87	.8307	1071.	.2806	4.004	.8805	.4578	.1289
#1	-.0006	.0067	7.724	-.0003	.8183	.2791	-.0028	.0120	.0208
#2	-.0018	.0082	7.698	.0001	.8187	.2763	-.0028	.0121	.0208
#3	-.0010	.0081	7.603	.0002	.8145	.2973	-.0028	.0121	.0209
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1900.9	7828.6	5024.9	6124.4					
Stddev	2.7	6.5	85.	68.2					
%RSD	.14045	.08358	.16900	1.1131					
#1	1898.5	7836.1	5017.5	6140.3					
#2	1903.7	7823.9	5023.2	6183.1					
#3	1900.5	7825.9	5034.2	6049.6					

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Sample Name: FA39222-20 Acquired: 12/6/2016 13:35:09 Type: Unk Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000 User: admin SSTRACE02: Custom ID2: Custom ID3: Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and #1-3.

Sample Name: FA39222-23 Acquired: 12/6/2016 13:43:39 Type: Unk Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000 User: admin SSTRACE02: Custom ID2: Custom ID3: Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows of data including IS Ref, Avg, Stddev, %RSD, and #1-3.

Sample Name: FA39222-22 Acquired: 12/6/2016 13:39:27 Type: Unk Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000 User: admin SSTRACE02: Custom ID2: Custom ID3: Comment:

Table with 12 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 12 rows of data including IS Ref, Avg, Stddev, %RSD, and #1-3.

Sample Name: FA39222-2F Acquired: 12/6/2016 13:47:50 Type: Unk Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000 User: admin SSTRACE02: Custom ID2: Custom ID3: Comment:

Table with 12 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 12 rows of data including IS Ref, Avg, Stddev, %RSD, and #1-3.

Sample Name: FA39222-4F Acquired: 12/6/2016 13:52:02 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.004	.1190	-0.014	.0361	.0000	.5478	-0.001	-0.001	.0014	.0044
Stddev	.0004	.0134	.0005	.0001	.0000	.0002	.0001	.0001	.0002	.0003
%RSD	117.9	11.24	33.89	.3461	129.9	.0383	90.12	52.35	16.40	6.589
#1	-0.001	.1081	-0.015	.0362	.0000	.5477	-0.001	-0.002	.0011	.0042
#2	-0.001	.1151	-0.009	.0361	-0.001	.5477	.0000	-0.001	.0015	.0043
#3	-0.008	.1339	-0.018	.0359	.0000	.5481	-0.001	-0.002	.0015	.0047
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0573	3.277	.6310	.0070	-0.0005	1.824	.0007	.0006	-0.0005	.0009
Stddev	.0017	.042	.0255	.0001	.0001	.009	.0000	.0003	.0009	.0008
%RSD	2.967	1.271	4.042	1.317	22.48	.5120	2.605	41.52	176.3	99.13
#1	.0576	3.318	.6364	.0071	-0.0006	1.820	.0007	.0006	-0.0004	.0018
#2	.0589	3.235	.6032	.0069	-0.0005	1.835	.0007	.0009	-0.0014	.0003
#3	.0555	3.276	.6534	.0070	-0.0004	1.818	.0007	.0004	.0003	.0004
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	2.789	.0001	.0103	.0016	-0.0020	.0000	.0042			
Stddev	.010	.0001	.0001	.0004	.0004	.0000	.0000			
%RSD	.3651	85.53	1.177	28.49	20.79	616.6	8403			
#1	2.799	.0002	.0104	.0019	-0.0024	.0002	.0042			
#2	2.789	.0000	.0102	.0017	-0.0016	-0.0001	.0042			
#3	2.779	.0001	.0103	.0011	-0.0020	-0.0001	.0041			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2445.5	6873.0	45714.	4977.7						
Stddev	4.5	10.2	296.	12.2						
%RSD	.18590	.14771	.64720	.24538						
#1	2442.2	6879.7	45372.	4978.2						
#2	2450.7	6878.0	45892.	4989.7						
#3	2443.5	6861.3	45878.	4965.3						

Sample Name: FA39222-5F Acquired: 12/6/2016 13:56:13 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.002	.2543	-0.007	.0193	.0000	1.361	.0000	.0002	.0006	.0054
Stddev	.0001	.0105	.0008	.0002	.0000	.002	.0000	.0001	.0001	.0004
%RSD	78.59	4.128	114.8	.9066	65.67	.1340	737.4	77.96	26.52	7.140
#1	-0.002	.2546	-0.002	.0191	-0.001	1.363	.0000	.0003	.0005	.0052
#2	.0000	.2646	-0.011	.0192	.0000	1.361	.0000	.0001	.0007	.0058
#3	-0.003	.2436	-0.011	.0195	.0000	1.359	.0000	.0001	.0005	.0052
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.2925	1.864	.8726	.0129	-0.0004	18.18	.0004	.0001	-0.0010	.0003
Stddev	.0019	.013	.0217	.0001	.0000	.10	.0001	.0004	.0007	.0011
%RSD	.6667	.7059	2.482	.4731	7.029	.5730	26.13	764.3	66.86	352.9
#1	.2927	1.861	.8728	.0129	-0.0004	18.17	.0006	.0004	-0.0018	.0007
#2	.2943	1.878	.8941	.0129	-0.0004	18.28	.0004	.0004	-0.0005	.0012
#3	.2904	1.852	.8508	.0128	-0.0004	18.07	.0003	.0003	-0.0007	-0.010
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	2.281	.0004	.0129	.0091	-0.0018	.0014	.0061			
Stddev	.006	.0004	.0000	.0004	.0010	.0004	.0000			
%RSD	.2587	101.0	.3031	4.722	57.54	27.30	3047			
#1	2.276	.0003	.0129	.0087	-0.0020	.0019	.0061			
#2	2.279	.0007	.0129	.0096	-0.0027	.0012	.0061			
#3	2.288	.0000	.0130	.0089	-0.0007	.0012	.0061			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2378.4	6795.3	44791.	4932.7						
Stddev	7.6	7.8	267.	32.8						
%RSD	.32038	.11447	.59714	.66519						
#1	2378.8	6801.0	44711.	4935.2						
#2	2370.6	6798.5	44573.	4898.7						
#3	2385.8	6786.5	45090.	4964.2						

7.2
7

Sample Name: FA39222-10F Acquired: 12/6/2016 14:00:25 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0099	75.68	.0050	.0230	.0001	.7002	-0.0002	.0023	.0802	.0046
Stddev	.0001	.20	.0002	.0002	.0000	.0025	.0001	.0001	.0005	.0002
%RSD	1.355	.2708	3.943	.7495	16.10	.3572	33.38	4.670	.622	.3739
#1	.0099	75.71	.0050	.0229	.0002	.7031	-0.0001	.0022	.0808	.0044
#2	.0100	75.87	.0048	.0232	.0002	.6988	-0.0002	.0022	.0797	.0046
#3	.0097	75.47	.0052	.0229	.0001	.6988	-0.0002	.0024	.0802	.0047
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Se1960
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)
Avg	.0169	12.42	1.224	.5520	.1309	.0300	326.0	.0106	.0064	.0003
Stddev	.0002	.01	.031	.0028	.0001	.0001	9.7	.0001	.0002	.0001
%RSD	1.212	.0943	2.513	.5017	.0665	.1825	2.977	1.258	3.854	442.6
#1	.0169	12.41	1.195	.5540	.1310	.0299	335.7	.0107	.0061	.0009
#2	.0170	12.43	1.256	.5531	.1308	.0300	326.0	.0106	.0065	.0013
#3	.0166	12.42	1.221	.5488	.1309	.0301	316.2	.0105	.0066	.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062	
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	
Avg	-0.0008	.0017	6.723	.0003	.0044	.1560	.0014	1.122	.0210	
Stddev	.0009	.0004	.008	.0005	.0000	.0007	.0005	.002	.0000	
%RSD	106.4	23.28	.1149	147.3	.7856	.4375	37.59	.2134	.2008	
#1	-0.0015	.0021	6.728	.0009	.0044	.1564	.0019	1.124	.0210	
#2	-0.0010	.0013	6.714	.0003	.0045	.1563	.0009	1.123	.0211	
#3	.0001	.0018	6.727	-0.0001	.0045	.1552	.0014	1.119	.0210	
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2033.4	6587.4	42013.	4894.4						
Stddev	3.0	2.7	219.	41.5						
%RSD	.14686	.04070	.52114	.84828						
#1	2030.2	6587.6	41837.	4871.7						
#2	2033.9	6584.6	42258.	4869.1						
#3	2036.1	6589.9	41945.	4942.3						

Sample Name: FA39222-12F Acquired: 12/6/2016 14:04:40 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.0004	-0.0038	-0.0003	.0909	.0000	2.835	.0000	-0.0001	.0008	.0046
Stddev	.0002	.0012	.0000	.0004	.0001	.006	.0001	.0001	.0003	.0002
%RSD	37.12	31.66	9.501	4.294	107.3	.2179	310.2	80.39	34.61	3.739
#1	-0.0003	-0.0039	-0.0003	.0914	.0000	2.831	.0000	-0.0001	.0011	.0044
#2	-0.0006	-0.0050	-0.0003	.0908	.0001	2.842	.0001	-0.0002	.0006	.0046
#3	-0.0004	-0.0026	-0.0003							

Sample Name: CCV Acquired: 12/6/2016 14:08:51 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2587	40.41	2.045	2.061	2.021	40.34	2.040	2.040	2.032	2.038
Stddev	.0007	.21	.004	.006	.010	.22	.006	.003	.004	.001
%RSD	.2682	.5316	.1958	.2712	.5145	.5566	.2864	.1581	.2154	.0558
#1	.2582	40.36	2.041	2.059	2.020	40.29	2.047	2.044	2.037	2.039
#2	.2595	40.22	2.044	2.058	2.011	40.14	2.037	2.039	2.028	2.037
#3	.2584	40.64	2.049	2.068	2.032	40.58	2.036	2.038	2.030	2.037

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.91	42.01	40.27	2.060	2.048	41.66	2.062	2.007	2.035	2.040
Stddev	.25	.28	.32	.007	.002	.22	.001	.002	.003	.004
%RSD	.6351	.6745	.7842	.3307	.0746	.5385	.0671	.0851	.1289	.2021
#1	39.89	41.98	40.45	2.068	2.048	41.61	2.064	2.006	2.034	2.036
#2	39.66	41.75	39.90	2.059	2.047	41.46	2.061	2.009	2.038	2.038
#3	40.17	42.31	40.45	2.054	2.050	41.90	2.061	2.007	2.033	2.044

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.659	2.046	2.074	2.067	2.029	2.039	2.044
Stddev	.003	.005	.008	.004	.002	.001	.006
%RSD	.2011	.2688	.3961	.2067	.1020	.0270	.2720
#1	1.660	2.053	2.071	2.071	2.031	2.038	2.050
#2	1.661	2.044	2.067	2.068	2.027	2.039	2.039
#3	1.655	2.042	2.083	2.062	2.030	2.039	2.042

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 12/6/2016 14:12:49 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.146	.0002	-0.001	.0001	.0028	.0000	-0.0001	.0000
Stddev	.0002	.0085	.0003	.0004	.0000	.0012	.0000	.0001	.000
%RSD	151.6	58.61	110.5	556.4	67.93	41.54	117.5	153.3	947.5
#1	-.0001	-.0134	.0002	-.0003	.0001	.0015	.0000	-0.0001	-.0001
#2	.0003	-.0236	.0005	-.0002	.0001	.0032	.0001	-0.0001	.0002
#3	.0002	-.0067	.0000	.0004	.0000	.0038	.0000	.0001	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0068	-.0269	-.0359	.0001	F .0014	.0091	.0000	.0006
Stddev	.000	.0038	.0232	.0115	.0000	.0004	.0067	.0001	.0002
%RSD	764.3	56.64	86.33	31.95	37.77	31.16	74.37	422.9	32.14
#1	.0003	.0082	-.0001	-.0261	.0001	.0018	.0149	.0001	.0006
#2	-.0001	.0097	-.0391	-.0485	.0000	.0014	.0106	.0000	.0004
#3	-.0002	.0024	-.0415	-.0331	.0001	.0010	.0017	.0000	.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0007	-.0003	.0003	.0002	.0000	.0002	.0008	.0001	.0004
Stddev	.0012	.0004	.0000	.0001	.000	.0001	.0001	.0003	.0000
%RSD	182.2	123.5	8.533	48.08	37.07	51.39	17.73	598.8	6.424
#1	.0007	.0000	.0003	.0002	-.0001	.0004	.0009	.0003	.0005
#2	-.0009	-.0002	.0003	.0001	.0000	.0002	.0009	-.0003	.0005
#3	-.0018	-.0008	.0004	.0001	.0000	.0001	.0006	.0001	.0004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCV Acquired: 12/6/2016 14:08:51 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2181.5	6784.5	43937.	5035.9
Stddev	2.4	20.2	249.	54.6
%RSD	.11062	.29821	.56667	1.0848
#1	2178.7	6761.5	43694.	5051.6
#2	2182.7	6799.7	43925.	5081.0
#3	2183.1	6792.3	44192.	4975.1

Sample Name: CCB Acquired: 12/6/2016 14:12:49 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2566.3	7119.0	47178.	5072.9
Stddev	4.2	12.1	37.	49.9
%RSD	.16416	.16967	.07770	.98292
#1	2566.8	7112.4	47192.	5091.2
#2	2570.3	7132.9	47206.	5016.5
#3	2561.9	7111.6	47137.	5111.0

Sample Name: FA39222-14F Acquired: 12/6/2016 14:17:01 Type: Unk Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000 User: admin SSTRACE02: Custom ID2: Custom ID3: Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3) for various elements.

Sample Name: FA39112-7 Acquired: 12/6/2016 14:21:10 Type: Unk Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 5.000000 User: admin SSTRACE02: Custom ID2: Custom ID3: Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3) for various elements.

Sample Name: FA39124-2 Acquired: 12/6/2016 14:25:24 Type: Unk Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 2.000000 User: admin SSTRACE02: Custom ID2: Custom ID3: Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3) for various elements.

Sample Name: FA39137-12 Acquired: 12/6/2016 14:29:45 Type: Unk Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 25.000000 User: admin SSTRACE02: Custom ID2: Custom ID3: Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3) for various elements.

Sample Name: FA39137-15 Acquired: 12/6/2016 14:33:55 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.004	.0629	.0003	.0509	.0000	5.851	-0.001	-0.002	.0091	.0007
Stddev	.0007	.0091	.0012	.0003	.000	.033	.0000	.0001	.0006	.0001
%RSD	173.5	14.51	415.6	.5853	993.9	.5603	18.70	28.34	6.327	10.36
#1	-0.010	.0734	.0009	.0506	-0.001	5.845	-0.001	-0.003	.0098	.0008
#2	.0004	.0584	-0.011	.0512	.0001	5.887	-0.001	-0.001	.0087	.0007
#3	-0.007	.0569	.0010	.0509	.0000	5.822	.0000	-0.003	.0088	.0007
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.1233	5.175	5.416	.0583	-0.011	121.9	.0011	-0.010	-0.021	.0009
Stddev	.0070	.042	.033	.0001	.0002	.7	.0003	.0005	.0013	.0038
%RSD	5.711	.8079	.6075	.2290	19.29	.5653	31.72	49.55	62.65	434.0
#1	.1302	5.172	5.389	.0582	-0.010	121.6	.0008	-0.006	-0.015	-0.034
#2	.1234	5.134	5.453	.0585	-0.014	122.6	.0010	-0.009	-0.011	.0021
#3	.1162	5.218	5.406	.0582	-0.010	121.3	.0014	-0.016	-0.035	.0039
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	3.126	.0006	.0440	.0015	-0.014	-0.002	.0165			
Stddev	.003	.0004	.0003	.0002	.0022	.0001	.0002			
%RSD	.0861	59.68	.6637	15.55	162.6	37.27	1.425			
#1	3.124	.0002	.0439	.0018	-0.038	-0.002	.0167			
#2	3.126	.0009	.0443	.0014	-0.008	-0.002	.0163			
#3	3.129	.0007	.0437	.0014	.0005	-0.001	.0166			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2298.5	6921.0	45060.	5077.7						
Stddev	2.0	18.5	207.	18.0						
%RSD	.08804	.26662	.45843	.35485						
#1	2299.0	6912.5	45008.	5083.9						
#2	2300.3	6942.1	44885.	5057.5						
#3	2296.3	6908.3	45288.	5091.9						

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Sample Name: FA39137-16 Acquired: 12/6/2016 14:38:02 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 50.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	.0075	6.870	.0102	-0.003	-0.046	1.626	-0.026	-0.086
Stddev	.0091	.305	.0224	.0109	.0007	.146	.0027	.0019
%RSD	121.4	4.438	220.5	3122.	14.16	8.960	102.4	22.31
#1	-0.021	6.540	-0.156	-0.107	-0.044	1.462	-0.056	-0.106
#2	.0087	6.929	.0213	.0109	-0.053	1.678	-0.020	-0.084
#3	.0159	7.141	.0248	-0.013	-0.041	1.740	-0.003	-0.068
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	19.55	.0038	.0674	22.52	-1.286	9.149	.323	F10330.
Stddev	.06	.0082	.0473	3.09	.750	.043	.0030	187.
%RSD	.3114	214.8	70.12	13.71	58.31	.4684	.9346	1.808
#1	19.51	.0099	.1206	21.96	-9948	9.117	.3206	10510.
#2	19.62	-.0055	.0301	19.75	-2.138	9.198	.3258	10140.
#3	19.52	.0071	.0516	25.85	-7253	9.132	.3205	10330.
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0046	.0231	-.1565	-.0059	5.238	-.0122	.0114	.0050
Stddev	.0048	.0315	.0405	.0539	.021	.0158	.0007	.0029
%RSD	.1048	136.1	25.87	910.7	.4010	129.9	5.841	56.95
#1	.0098	.0575	-1.607	-0.473	5.261	-.0032	.0121	.0048
#2	.0002	-0.045	-1.141	.0551	5.235	-.0304	.0113	.0080
#3	.0039	.0165	-1.947	-0.255	5.219	-.0029	.0108	.0023
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	-.0091	-.4559	.1545					
Stddev	.0292	.0096	.0019					
%RSD	320.9	2.102	1.220					
#1	-.0259	.4448	.1566					
#2	-.0260	.4605	.1530					
#3	.0246	.4622	.1538					

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7.2
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Sample Name: FA39137-16 Acquired: 12/6/2016 14:38:02 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 50.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2210.0	6785.5	43557.	5061.2
Stddev	3.3	12.1	178.	21.4
%RSD	.14984	.17804	.40879	.42243
#1	2213.5	6786.4	43757.	5072.4
#2	2206.9	6797.1	43496.	5074.8
#3	2209.7	6773.0	43417.	5036.6

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Sample Name: FA39137-16F Acquired: 12/6/2016 14:42:19 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 50.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.102	6.577	-.0040	-.0005	-.0013	1.856	-.0031	-.0033	18.09
Stddev	.0104	.495	.0283	.0072	.0019	.081	.0003	.0036	.07
%RSD	101.9	7.534	707.9	1350.	151.3	4.388	10.11	108.7	.3928
#1	-0.183	6.876	-0.256	.0075	-.0007	1.900	-.0033	.0007	18.09
#2	.0015	6.005	.0280	-.0065	.0003	1.906	-.0033	-.0063	18.16
#3	-0.139	6.849	-0.143	-.0026	-.0034	1.762	-.0027	-.0044	18.02
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0088	-.2345	23.16	-1.129	7.461	.3231	F9308.	.0051	.0205
Stddev	.0106	.0639	.49	.434	.004	.0041	.59	.0050	.0235
%RSD	120.2	27.23	2.106	38.48	.0517	1.270	.6378	98.06	114.3
#1	.0073	-.3051	23.66	-.8862	7.463	.3259	9376.	.0026	.0002
#2	-0.010	-1.807	22.69	-1.630	7.457	.3184	9274.	.0018	.0152
#3	.0201	-.2178	23.13	-8.700	7.464	.3251	9273.	.0108	.0462
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0691	.0033	5.157	-.0236	.0098	.0038	-.0170	.4407	.1185
Stddev	.0089	.0277	.015	.0161	.0036	.0008	.0179	.0087	.0022
%RSD	12.87	846.9	.2845	68.23	36.84	20.81	105.0	1.979	1.847
#1	-.0622	.0352	5.147	-.0105	.0065	.0031	-.0324	.4393	.1161
#2	-.0661	-.0114	5.150	-.0187	.0136	.0038	-.0213	.4500	.1203
#3	-.0792	-.0139	5.174	-.0415	.0093	.0047	.0026	.4327	.1191
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2209.6	6761.5	43674.	5096.2					
Stddev	5.8	6.3	57.	51.4					
%RSD	.26265	.09343	.12956	1.0077					
#1	2214.5	6761.6	43723.	5084.8					
#2	2203.2	6767.8	43612.	5152.3					
#3	2211.0	6755.2	43686.	5051.5					

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Sample Name: MP31274-MB1 Acquired: 12/6/2016 14:46:37 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0278	-.0027	.0004	.0000	.1172	-.0003	-.0003	.0042
Stddev	.0021	.0410	.0018	.0012	.0005	.0120	.0002	.0002	.0005
%RSD	18140.	147.6	64.35	314.5	14910.	10.22	49.63	57.58	12.18
#1	.0024	.0009	-.0030	.0016	.0006	.1310	-.0002	-.0005	.0042
#2	-.0007	-.0747	-.0008	.0002	-.0003	-.1111	-.0005	-.0002	.0037
#3	-.0017	-.0095	-.0043	-.0007	-.0003	.1096	-.0004	-.0002	.0047

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0472	.2592	-.0325	.0015	-.0027	.6054	.0005	F.0061
Stddev	.0004	.0129	.1846	.1438	.0000	.0003	.0281	.0000	.0036
%RSD	121.8	27.38	71.24	441.9	2.709	11.50	4.649	4.781	58.84
#1	.0001	.0482	.4468	.1131	.0015	-.0024	.6323	.0006	.0100
#2	.0009	.0338	.2530	-.0363	.0015	-.0030	.5762	.0005	.0053
#3	.0001	.0596	.0777	-.1744	.0014	-.0027	.6076	.0006	.0030

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail
 High Limit .0025
 Low Limit -.0025

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0020	.0117	F.0608	.0004	.0009	-.0030	-.0014	F.0247
Stddev	.0024	.0099	.0011	.0011	.0006	.0003	.0012	.0012	.0001
%RSD	1290.	491.5	9.682	1.788	145.0	34.47	40.28	91.54	2530
#1	.0030	-.0071	.0119	.0604	.0009	.0012	-.0016	-.0017	.0246
#2	-.0014	.0126	.0105	.0620	-.0002	.0007	-.0040	.0000	.0247
#3	-.0010	.0005	.0127	.0599	.0004	.0007	-.0033	-.0024	.0247

Check ? Chk Pass Chk Pass None Chk Fail .0250 Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail .0100
 High Limit
 Low Limit -.0250

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7.2
7

Sample Name: MP31274-MB1 Acquired: 12/6/2016 14:46:37 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2460.7	6936.6	45813.	4961.4
Stddev	5.5	4.6	76.	31.3
%RSD	.22546	.06673	.16682	.63006
#1	2456.8	6941.0	45766.	4939.4
#2	2467.1	6937.0	45771.	4947.6
#3	2458.2	6931.8	45901.	4997.2

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Sample Name: MP31274-B1 Acquired: 12/6/2016 14:50:50 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0484	30.49	2.164	2.316	.0561	28.77	.0560	.5699	.2244
Stddev	.0012	.02	.008	.004	.0005	.03	.0002	.0005	.0008
%RSD	2.444	.0582	.3591	.1543	.8688	.1144	.2966	.0896	.3607
#1	.0487	30.48	2.172	2.320	.0558	28.76	.0558	.5697	.2253
#2	.0494	30.51	2.164	2.316	.0567	28.81	.0559	.5695	.2243
#3	.0471	30.49	2.157	2.313	.0559	28.75	.0561	.5705	.2237

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2791	29.92	29.33	28.01	.5760	.5803	29.33	.5823	.5433
Stddev	.0019	.04	.25	.18	.0032	.0003	.10	.0024	.0021
%RSD	.6848	.1493	.8549	.6457	.5569	.0498	.3393	.4124	.3836
#1	.2770	29.87	29.09	28.09	.5763	.5803	29.40	.5811	.5450
#2	.2796	29.96	29.31	27.81	.5726	.5806	29.37	.5851	.5438
#3	.2807	29.92	29.59	28.15	.5790	.5800	29.21	.5808	.5410

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5316	2.195	.0137	F.6386	.5739	.5730	2.199	.5267	.5748
Stddev	.0053	.008	.0023	.0025	.0012	.0052	.003	.0034	.0012
%RSD	1.006	.3808	16.56	.3893	.2057	.8998	.1523	.6545	.2075
#1	.5258	2.204	.0115	.6414	.5753	.5712	2.202	.5257	.5741
#2	.5363	2.187	.0160	.6366	.5732	.5689	2.197	.5305	.5741
#3	.5327	2.195	.0135	.6378	.5732	.5788	2.196	.5239	.5761

Check ? Chk Pass Chk Pass None Chk Fail .5000 Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range 20.00%

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Sample Name: MP31274-B1 Acquired: 12/6/2016 14:50:50 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2357.1	6864.6	45034.	4866.3
Stddev	4.5	3.1	141.	14.9
%RSD	.18902	.04516	.31397	.30617
#1	2353.7	6867.5	44903.	4883.3
#2	2362.2	6865.1	45184.	4859.9
#3	2355.6	6861.3	45016.	4855.7

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Sample Name: FA38934-1 Acquired: 12/6/2016 14:54:51 Type: Unk
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0060	164.6	.0302	2.097	.0025	79.42	.0018	.0296	.2559
Stddev	.0010	.6	.0024	.003	.0001	.35	.0001	.0001	.0017
%RSD	17.28	.3764	7.940	.1314	2.226	.4371	3.234	.2672	.6689
#1	.0048	165.1	.0329	2.100	.0024	79.52	.0018	.0295	.2540
#2	.0068	163.9	.0287	2.097	.0025	79.03	.0019	.0295	.2571
#3	.0064	164.8	.0288	2.094	.0025	79.70	.0018	.0296	.2568
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.701	174.4	19.70	20.29	4.727	.0094	2.348	.1586	F29.77
Stddev	.010	.5	.07	.16	.020	.0009	.034	.0006	.03
%RSD	.3608	.2794	.3777	.7950	.4182	9.016	1.455	.3534	.0959
#1	2.712	174.6	19.70	20.19	4.733	.0103	2.340	.1592	29.79
#2	2.698	173.9	19.63	20.21	4.705	.0094	2.318	.1585	29.74
#3	2.693	174.8	19.78	20.48	4.743	.0086	2.385	.1581	29.79
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0805	-.0010	2.923	.0830	1.053	4.857	-.0021	.4182	.9489
Stddev	.0024	.0019	.004	.0008	.001	.014	.0027	.0019	.0020
%RSD	2.966	183.8	.1240	.9395	.0870	.2938	128.6	.4598	.2109
#1	.0797	-.0018	2.919	.0823	1.052	4.868	-.0040	.4204	.9466
#2	.0786	-.0011	2.924	.0829	1.052	4.841	.0010	.4172	.9504
#3	.0832	-.0025	2.926	.0839	1.054	4.863	-.0033	.4170	.9497
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2318.4	6967.0	45485.	4986.9					
Stddev	2.5	14.5	244.	39.6					
%RSD	.10785	.20810	.53585	.79480					
#1	2321.1	6983.6	45489.	4977.3					
#2	2317.9	6956.4	45726.	5030.5					
#3	2316.1	6961.2	45239.	4953.0					

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Sample Name: CCV Acquired: 12/6/2016 14:58:55 Type: QC
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2560	39.96	2.030	2.059	2.002	40.04	2.030	2.031	2.020	2.029
Stddev	.0016	.13	.006	.013	.006	.15	.001	.001	.004	.002
%RSD	6205	.3364	.3153	.6172	.3219	.3662	.0433	.0669	.1884	.1140
#1	2543	39.82	2.035	2.053	1.995	39.91	2.031	2.032	2.020	2.031
#2	2574	40.09	2.023	2.073	2.008	40.20	2.030	2.031	2.024	2.030
#3	2562	39.96	2.031	2.050	2.002	40.00	2.029	2.029	2.016	2.027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.62	42.07	39.99	2.044	2.038	42.02	2.051	2.018	2.025	2.027
Stddev	.25	.37	.16	.012	.002	.14	.001	.007	.005	.003
%RSD	6357	8702	4028	5630	1100	3424	0389	3247	2570	1548
#1	39.37	41.82	39.81	2.032	2.038	41.92	2.052	2.011	2.029	2.030
#2	39.87	42.49	40.13	2.054	2.036	42.19	2.052	2.018	2.019	2.026
#3	39.62	41.91	40.02	2.047	2.040	41.96	2.050	2.024	2.026	2.024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										
Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062			
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm			
Avg	1.646	2.039	2.057	2.050	2.039	2.027	2.032			
Stddev	.001	.002	.009	.013	.005	.005	.003			
%RSD	.0780	.0831	.4128	.6179	.2595	.2669	.1538			
#1	1.645	2.040	2.050	2.036	2.034	2.031	2.033			
#2	1.645	2.040	2.067	2.059	2.038	2.029	2.035			
#3	1.647	2.037	2.055	2.055	2.045	2.021	2.028			
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass			
Value										
Range										

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7.2
7

Sample Name: CCV Acquired: 12/6/2016 14:58:55 Type: QC
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2175.9	6834.5	44500.	5084.0
Stddev	4.2	12.2	291.	32.7
%RSD	.19138	.17906	.65460	.64349
#1	2180.6	6832.3	44832.	5099.2
#2	2172.7	6823.5	44287.	5046.5
#3	2174.5	6847.7	44381.	5106.4

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Sample Name: CCB Acquired: 12/6/2016 15:02:51 Type: QC
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-.0180	-.0002	-.0001	.0001	.0040	.0000	.0000	.0001
Stddev	.0001	.0039	.0011	.0001	.0001	.0030	.0000	.000	.0001
%RSD	52.98	21.73	451.6	108.8	78.97	74.54	54.58	552.8	168.6
#1	.0001	-.0187	-.0010	-.0001	.0001	.0033	.0000	.0000	-.0001
#2	.0001	-.0138	-.0008	-.0000	.0001	.0073	.0000	.0001	.0002
#3	.0002	-.0215	.0010	-.0002	.0000	.0015	.0001	-.0001	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0060	.0158	.0014	.0001	F .0013	-.0294	.0001	.0008
Stddev	.0002	.0032	.0259	.0049	.0000	.0003	.0019	.0001	.0007
%RSD	199.9	52.96	164.1	351.9	10.70	26.93	6.621	114.1	89.32
#1	.0003	.0093	.0301	-.0037	.0001	.0016	-.0301	.0001	.0009
#2	-.0001	.0057	-.0141	.0018	.0001	.0014	-.0308	.0000	.0014
#3	.0000	.0030	.0314	.0061	.0001	.0009	-.0272	.0003	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-.0010			
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0011	-.0005	.0002	.0000	.0002	.0004	-.0001	.0003
Stddev	.0001	.0007	.0002	.0001	.0001	.0001	.0002	.0002	.0000
%RSD	46.75	61.13	50.07	58.81	124.7	44.23	45.79	183.3	8.509
#1	-.0003	.0007	-.0006	.0001	.0000	.0004	.0004	.0000	.0003
#2	-.0003	.0018	-.0002	.0004	.0000	.0002	.0002	-.0003	.0003
#3	-.0001	.0007	-.0007	.0002	.0001	.0002	.0006	.0000	.0003
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 12/6/2016 15:02:51 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2565.8	7178.8	47527.	5097.1
Stddev	6.1	6.8	264.	90.9
%RSD	.23814	.09508	.55507	1.7834
#1	2569.2	7186.0	47782.	5202.1
#2	2558.8	7172.5	47255.	5045.7
#3	2569.5	7177.8	47544.	5043.6

Sample Name: MP31274-D1 Acquired: 12/6/2016 15:07:04 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0063	167.7	.0300	2.078	.0024	77.86	.0019	.0294	.2565
Stddev	.0015	.3	.0020	.006	.0004	.14	.0001	.0002	.0022
%RSD	24.17	.1589	6.662	.2924	15.57	.1826	7.363	.6503	.8722
#1	.0045	167.9	.0277	2.084	.0028	78.00	.0021	.0292	.2542
#2	.0074	167.8	.0305	2.072	.0022	77.88	.0018	.0295	.2586
#3	.0069	167.4	.0316	2.078	.0021	77.71	.0018	.0295	.2569
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.674	175.5	19.91	20.18	4.671	.0117	2.420	.1615	F29.05
Stddev	.003	.5	.18	.15	.008	.0009	.031	.0005	.03
%RSD	.1173	.2736	.8968	.7430	.1654	7.976	1.294	.2967	.1061
#1	2.671	175.9	20.07	20.21	4.663	.0126	2.455	.1619	29.04
#2	2.677	175.0	19.72	20.02	4.674	.0108	2.406	.1610	29.02
#3	2.675	175.5	19.95	20.32	4.677	.0116	2.397	.1616	29.08
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0619	.0015	2.726	.0823	1.032	4.823	.0015	.4208	.9474
Stddev	.0080	.0034	.003	.0001	.003	.007	.0038	.0033	.0017
%RSD	12.96	220.3	.1177	.1472	.2720	.1460	250.4	.7841	.1789
#1	.0711	-.0019	2.729	.0822	1.035	4.816	.0045	.4224	.9466
#2	.0567	.0048	2.723	.0824	1.029	4.829	.0029	.4170	.9463
#3	.0578	.0017	2.728	.0822	1.033	4.826	-.0028	.4229	.9494
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2317.4	6958.8	45290.	4977.2					
Stddev	3.9	8.5	202.	42.9					
%RSD	.16820	.12245	.44500	.86261					
#1	2317.8	6952.4	45517.	4944.6					
#2	2321.1	6968.5	45221.	4961.1					
#3	2313.4	6955.6	45132.	5025.8					

7.2
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Sample Name: MP31274-SD1 Acquired: 12/6/2016 15:11:09 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0103	191.4	.0374	2.304	-.0003	79.40	.0014	.0277	.2766	2.673
Stddev	.0128	.7	.0225	.004	.0014	.25	.0004	.0016	.0076	.016
%RSD	124.1	.3912	60.10	.1905	444.2	.3113	30.71	5.902	2.738	.6020
#1	.0138	192.2	.0550	2.309	-.0012	79.37	.0010	.0258	.2851	2.655
#2	-.0039	190.9	.0121	2.301	-.0013	79.66	.0019	.0285	.2706	2.684
#3	.0210	191.0	.0450	2.301	-.0011	79.17	.0013	.0287	.2742	2.681
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	176.7	25.25	20.50	4.749	.0029	4.241	.1818	29.08	.0621	-.0097
Stddev	.6	.74	.34	.016	.0021	.192	.0076	.05	.0235	.0065
%RSD	.3613	2.920	1.675	.3280	72.62	4.525	4.160	.1625	37.82	66.43
#1	176.7	24.63	20.84	4.732	.0050	4.445	.1766	29.09	.0469	-.0148
#2	177.3	25.04	20.15	4.752	.0008	4.064	.1904	29.13	.0892	-.0119
#3	176.0	26.06	20.51	4.763	.0028	4.213	.1783	29.03	.0504	-.0025
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	46.56	.0830	1.068	6.619	.0105	.4306	.9941			
Stddev	1.25	.0034	.005	.145	.0202	.0027	.0018			
%RSD	2.677	4.120	.4627	2.190	192.7	.6164	.1860			
#1	46.16	.0839	1.067	6.648	-.0126	.4289	.9932			
#2	47.96	.0860	1.074	6.462	.0252	.4337	.9962			
#3	45.57	.0793	1.064	6.748	.0188	.4292	.9929			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2492.9	7185.8	47687.	5136.9						
Stddev	5.9	18.4	180.	13.6						
%RSD	.23720	.25614	.37726	.26399						
#1	2495.4	7203.0	47891.	5133.5						
#2	2486.1	7166.4	47620.	5125.5						
#3	2497.1	7187.9	47550.	5151.9						

Sample Name: MP31274-PS1 Acquired: 12/6/2016 15:15:15 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0523	167.3	.1455	2.386	.0587	85.28	.0584	.0870	.3102
Stddev	.0008	.8	.0016	.007	.0002	.38	.0001	.0005	.0020
%RSD	1.532	.4893	1.095	.2797	.3464	.4479	.1648	.6122	.6311
#1	.0524	166.3	.1472	2.379	.0589	84.88	.0583	.0875	.3124
#2	.0530	167.9	.1441	2.392	.0585	85.64	.0585	.0870	.3086
#3	.0514	167.7	.1452	2.388	.0587	85.31	.0585	.0864	.3096
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.800	177.5	31.18	26.02	4.777	.1236	14.14	.2728	F29.68
Stddev	.002	.7	.10	.11	.005	.0007	.09	.0008	.07
%RSD	.0611	.3795	.3304	.4334	.1150	.6033	.6217	.3014	.2332
#1	2.800	176.7	31.07	25.96	4.780	.1245	14.06	.2723	29.60
#2	2.798	177.9	31.20	25.96	4.771	.1232	14.23	.2725	29.68
#3	2.802	177.9	31.27	26.15	4.781	.1232	14.13	.2738	29.74
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1938	.1087	2.929	.1388	1.106	4.977	.1097	.4759	1.224
Stddev	.0007	.0059	.007	.0016	.002	.004	.0064	.0013	.001
%RSD	.3598	5.417	.2380	1.182	.1704	.0780	5.875	.2724	.0547
#1	.1945	.1023	2.924	.1372	1.104	4.976	.1106	.4765	1.225
#2	.1932	.1098	2.937	.1386	1.108	4.974	.1028	.4744	1.225
#3	.1937	.1139	2.926	.1405	1.106	4.981	.1156	.4767	1.224
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2304.9	6938.8	45115.	4963.1					
Stddev	1.6	7.8	192.	30.7					
%RSD	.06745	.11235	.42618	.61947					
#1	2306.3	6935.7	45015.	4995.3					
#2	2305.3	6933.0	45337.	4959.8					
#3	2303.2	6947.6	44993.	4934.1					

Sample Name: MP31274-S1 Acquired: 12/6/2016 15:19:18 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0568	239.1	2.254	4.743	.0636	116.7	.0613	.6337	.5215
Stddev	.0007	1.0	.009	.014	.0003	.4	.0002	.0004	.0023
%RSD	1.284	.4229	.4091	.2879	.4861	.3655	.2989	.0641	.4451
#1	.0576	238.2	2.246	4.744	.0634	116.3	.0611	.6333	.5242
#2	.0566	239.0	2.264	4.729	.0633	116.8	.0615	.6338	.5204
#3	.0562	240.2	2.252	4.756	.0639	117.1	.0613	.6341	.5200
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.257	220.8	52.81	52.06	5.731	.5523	34.35	.7994	F32.94
Stddev	.013	.9	.31	.18	.015	.0014	.13	.0012	.04
%RSD	.3890	.4090	.5960	.3535	.2663	.2514	.3709	.1472	.1113
#1	3.261	219.9	52.98	51.97	5.720	.5510	34.23	.7991	32.90
#2	3.242	220.7	52.45	51.94	5.725	.5538	34.35	.8007	32.95
#3	3.266	221.7	53.00	52.28	5.749	.5520	34.48	.7984	32.97
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.2622	2.275	3.049	.6626	1.753	5.636	2.379	1.021	1.630
Stddev	.0057	.001	.003	.0018	.007	.012	.011	.007	.005
%RSD	2.181	.0559	.0882	.2671	.4184	.2034	.4722	.7099	.3216
#1	.2616	2.275	3.050	.6646	1.746	5.625	2.374	1.029	1.630
#2	.2568	2.274	3.046	.6620	1.753	5.636	2.370	1.015	1.635
#3	.2681	2.276	3.051	.6612	1.761	5.648	2.391	1.019	1.624
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2249.4	6886.9	4488.2	4946.0					
Stddev	5.3	26.7	114.	9.9					
%RSD	.23666	.38755	.25504	.19985					
#1	2249.5	6879.2	4486.3	4935.6					
#2	2244.0	6865.0	4500.4	4955.3					
#3	2254.7	6916.6	4477.8	4947.2					

Sample Name: MP31274-S2 Acquired: 12/6/2016 15:23:17 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0590	240.1	2.366	4.877	.0659	117.4	.0640	.6633	.5365
Stddev	.0012	.6	.012	.004	.0007	.4	.0001	.0014	.0017
%RSD	2.031	.2392	.4897	.0848	1.084	.3205	.1812	.2112	.3250
#1	.0601	239.8	2.355	4.877	.0664	117.1	.0641	.6621	.5372
#2	.0577	240.7	2.365	4.872	.0662	117.8	.0639	.6628	.5346
#3	.0590	239.7	2.378	4.881	.0651	117.2	.0641	.6648	.5379
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.205	222.7	54.10	53.14	5.675	.5952	35.77	.8303	F32.94
Stddev	.010	.9	.04	.08	.013	.0010	.10	.0012	.02
%RSD	.3165	.4189	.0818	.1477	.2238	.1733	.2733	.1487	.0696
#1	3.213	222.0	54.06	53.23	5.681	.5950	35.76	.8307	32.95
#2	3.208	223.8	54.15	53.12	5.685	.5943	35.87	.8313	32.94
#3	3.193	222.4	54.10	53.08	5.661	.5963	35.68	.8289	32.91
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.2952	2.383	3.325	.7106	1.774	5.808	2.505	1.060	1.652
Stddev	.0056	.010	.006	.0030	.006	.013	.009	.004	.004
%RSD	1.892	.4199	.1774	.4220	.3662	.2227	.3533	.4261	.2451
#1	.2898	2.379	3.328	.7092	1.768	5.815	2.496	1.066	1.650
#2	.2948	2.376	3.318	.7086	1.781	5.815	2.514	1.058	1.650
#3	.3010	2.395	3.329	.7141	1.771	5.793	2.504	1.057	1.657
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2238.6	6868.6	4507.6	4954.6					
Stddev	2.0	7.6	19.	26.4					
%RSD	.09017	.11000	.04208	.53185					
#1	2240.9	6874.8	4509.5	4946.6					
#2	2237.1	6870.8	4505.7	4933.1					
#3	2237.8	6860.2	4507.7	4984.0					

7.2
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Sample Name: MP31274-D2 Acquired: 12/6/2016 15:27:16 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0059	169.9	.0343	2.164	.0022	81.30	.0016	.0302	.2587
Stddev	.0014	.2	.0024	.011	.0004	.06	.0004	.0004	.0015
%RSD	23.23	.1002	6.974	.5288	19.97	.0772	23.86	1.483	.5629
#1	.0045	169.9	.0371	2.151	.0024	81.30	.0021	.0307	.2602
#2	.0073	170.1	.0333	2.172	.0017	81.36	.0013	.0301	.2587
#3	.0059	169.7	.0326	2.169	.0026	81.24	.0015	.0299	.2572
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.785	179.4	20.29	20.93	4.837	.0091	2.158	1.609	F36.34
Stddev	.012	.6	.10	.35	.016	.0005	.033	.0004	.05
%RSD	.4285	.3161	.4969	1.690	.3201	5.887	1.539	.2187	.1763
#1	2.797	178.9	20.17	21.19	4.824	.0095	2.167	.1613	30.67
#2	2.773	180.0	20.33	21.07	4.854	.0085	2.121	.1607	30.57
#3	2.784	179.4	20.36	20.53	4.834	.0094	2.185	.1607	30.58
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0771	.0028	2.764	.0839	1.074	4.971	-.0003	.4349	.9720
Stddev	.0014	.0071	.005	.0011	.004	.004	.0055	.0027	.0007
%RSD	1.804	252.9	.1683	1.336	.3364	.0907	2056.	.6207	.0679
#1	.0787	.0046	2.762	.0836	1.073	4.968	-.0047	.4347	.9712
#2	.0765	-.0050	2.760	.0851	1.078	4.976	-.0020	.4323	.9723
#3	.0761	.0089	2.769	.0829	1.070	4.968	.0058	.4377	.9724
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2322.2	6988.7	4564.4	4973.4					
Stddev	5.0	5.7	391.	6.8					
%RSD	.21366	.08116	.85615	.13675					
#1	2316.6	6983.2	4600.4	4979.4					
#2	2326.1	6994.5	4522.8	4974.7					
#3	2323.9	6988.4	4570.1	4966.0					

Sample Name: FA38934-4 Acquired: 12/6/2016 15:31:21 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0067	197.5	.0397	2.610	.0027	112.0	.0028	.0346	.2983
Stddev	.0007	.3	.0049	.002	.0003	.3	.0003	.0003	.0022
%RSD	10.93	.1718	12.26	.0655	12.44	.2940	10.37	.9505	.7436
#1	.0067	197.5	.0353	2.608	.0027	112.1	.0027	.0350	.2963
#2	.0075	197.8	.0449	2.612	.0024	112.3	.0025	.0345	.2978
#3	.0060	197.1	.0387	2.610	.0031	111.7	.0031	.0343	.3007
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.280	207.0	23.79	26.26	6.093	.0113	2.539	.1879	F36.34
Stddev	.012	.8	.02	.06	.029	.0003	.026	.0008	.08
%RSD	.3576	.3629	.0648	.2365	.4809	2.792	1.045	.4253	.2262
#1	3.278	206.7	23.79	26.32	6.086	.0110	2.566	.1871	36.39
#2	3.293	207.9	23.78	26.20	6.125	.0114	2.513	.1879	36.24
#3	3.269	206.6	23.81	26.25	6.068	.0116	2.538	.1887	36.38
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2								

Sample Name: FA38934-7 Acquired: 12/6/2016 15:35:24 Type: Unk
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0058	187.1	.0286	2.786	.0029	72.71	.0016	.0340	.2598	2.822
Stddev	.0007	1.0	.0022	.004	.0002	.25	.0001	.0003	.0024	.005
%RSD	11.75	.5572	7.788	.1264	8.323	.3423	5.084	.9761	.9134	.1941
#1	.0051	188.2	.0290	2.789	.0030	72.92	.0016	.0343	.2574	2.823
#2	.0064	186.9	.0306	2.782	.0031	72.78	.0017	.0337	.2598	2.827
#3	.0060	186.1	.0262	2.786	.0026	72.44	.0016	.0342	.2622	2.816
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	191.9	22.33	20.53	5.547	.0092	2.174	.1725	16.08	.0244	-.0050
Stddev	1.0	.24	.16	.006	.0002	.027	.0008	.05	.0032	.0067
%RSD	.5278	1.090	.7604	.1005	2.699	1.228	.4681	.3269	13.13	135.4
#1	192.9	22.48	20.55	5.553	.0091	2.164	.1727	16.04	.0281	-.0074
#2	191.9	22.46	20.68	5.544	.0090	2.154	.1732	16.06	.0220	-.0102
#3	190.9	22.05	20.37	5.543	.0094	2.205	.1716	16.14	.0233	.0026
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	2.702	.0644	1.070	5.253	.0001	.4618	.8910			
Stddev	.005	.0008	.004	.005	.0005	.0019	.0007			
%RSD	.2006	1.225	.3801	.1020	456.4	.4080	.0750			
#1	2.708	.0654	1.075	5.259	-.0002	.4634	.8917			
#2	2.699	.0641	1.068	5.249	-.0007	.4622	.8904			
#3	2.699	.0639	1.067	5.251	-.0001	.4597	.8907			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2318.5	7000.5	45908.	4999.2						
Stddev	2.3	17.0	43.	59.0						
%RSD	.10065	.24330	.09329	1.1796						
#1	2320.4	6991.2	45919.	5010.8						
#2	2319.2	6990.2	45944.	4935.3						
#3	2315.9	7020.2	45861.	5051.6						

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Sample Name: FA38934-10 Acquired: 12/6/2016 15:39:30 Type: Unk
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0058	210.0	.0339	2.301	.0031	65.08	.0008	.0355	.2951	1.688
Stddev	.0002	.4	.0009	.005	.0002	.07	.0001	.0002	.0026	.006
%RSD	3.306	.1995	2.708	.2286	6.951	.1030	13.48	.5425	.8711	.3807
#1	.0061	210.2	.0333	2.307	.0028	65.09	.0008	.0353	.2978	1.691
#2	.0057	209.5	.0349	2.297	.0032	65.01	.0009	.0356	.2927	1.681
#3	.0057	210.3	.0334	2.299	.0032	65.14	.0007	.0355	.2947	1.693
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	206.1	23.27	20.53	4.667	.0105	2.169	.1830	13.61	.0311	.0103
Stddev	.1	.17	.16	.018	.0005	.035	.0006	.04	.0028	.0037
%RSD	.0665	.7376	.7975	.3802	4.892	1.633	.3348	.2858	9.055	36.36
#1	206.2	23.13	20.46	4.682	.0110	2.172	.1837	13.56	.0285	.0139
#2	206.3	23.22	20.42	4.648	.0103	2.132	.1826	13.63	.0308	.0104
#3	206.0	23.47	20.72	4.672	.0101	2.203	.1828	13.64	.0341	.0064
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	2.741	.0675	.980	5.365	-.0037	.4919	.6798			
Stddev	.004	.0006	.0033	.013	.0021	.0004	.0016			
%RSD	.1492	.9396	.3629	.2434	55.42	.0742	.2334			
#1	2.745	.0678	.9105	5.373	-.0042	.4920	.6791			
#2	2.738	.0680	.9043	5.350	-.0055	.4922	.6787			
#3	2.739	.0668	.9092	5.372	-.0015	.4915	.6816			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2303.9	6995.9	45884.	4977.8						
Stddev	3.7	8.9	214.	38.3						
%RSD	.16075	.12671	.46687	.76944						
#1	2308.2	7003.2	45650.	5018.3						
#2	2302.1	6998.5	46071.	4942.2						
#3	2301.4	6986.0	45929.	4972.8						

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7.2
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Sample Name: FA38934-13 Acquired: 12/6/2016 15:43:35 Type: Unk
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0054	198.8	.0293	3.842	.0030	109.9	.0024	.0450	.2844	1.271
Stddev	.0011	.6	.0039	.010	.0008	.4	.0002	.0003	.0012	.008
%RSD	20.09	.2804	13.40	.2559	27.64	.3238	10.09	.5716	4.330	.6230
#1	.0063	198.9	.0332	3.853	.0021	110.0	.0027	.0451	.2831	1.279
#2	.0057	198.2	.0253	3.836	.0037	109.4	.0025	.0448	.2847	1.263
#3	.0042	199.3	.0293	3.836	.0032	110.1	.0022	.0453	.2855	1.271
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	195.1	20.05	22.04	7.057	.0090	2.100	.1892	5.503	.0061	.0021
Stddev	.5	.12	.04	.023	.0003	.042	.0007	.015	.0019	.0077
%RSD	.2622	.6216	.2039	.3318	3.763	1.997	.3616	.2650	32.09	362.0
#1	195.4	20.00	22.00	7.047	.0087	2.133	.1888	5.495	.0083	.0032
#2	194.5	20.19	22.09	7.084	.0093	2.053	.1900	5.494	.0054	-.0061
#3	195.3	19.96	22.02	7.040	.0089	2.113	.1888	5.519	.0046	.0093
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	2.585	.0616	1.562	5.183	.0003	.4710	.6504			
Stddev	.003	.0006	.007	.021	.0030	.0012	.0016			
%RSD	.1084	.9906	.4481	.4131	915.6	.2478	.2505			
#1	2.587	.0623	1.566	5.177	.0015	.4711	.6513			
#2	2.587	.0613	1.554	5.207	-.0031	.4721	.6485			
#3	2.582	.0613	1.566	5.165	.0026	.4698	.6514			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	2300.7	7002.1	45579.	5008.1						
Stddev	2.5	7.5	22.	28.8						
%RSD	.10804	.10717	.48623	.57545						
#1	2303.5	6993.7	45827.	5031.0						
#2	2299.5	7004.6	45401.	4975.7						
#3	2299.0	7008.1	45509.	5017.6						

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Sample Name: CCV Acquired: 12/6/2016 15:47:40 Type: QC
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2571	40.01	2.003	2.051	1.979	39.89	2.034	2.035	2.011	1.990
Stddev	.0006	.04	.007	.002	.008	.11	.003	.003	.001	.004
%RSD	.2490	.1080	.3516	.0874	.3987	.2682	.1456	.1605	.0689	.2269
#1	2577	40.05	2.009	2.053	1.988	40.00	2.034	2.036	2.012	1.985
#2	2565	39.97	1.995	2.051	1.974	39.79	2.030	2.031	2.010	1.994
#3	2570	40.00	2.005	2.049	1.975	39.88	2.036	2.037	2.010	1.991
Check ?	Chk	PassChk	PassChk	PassChk	PassChk	PassChk	PassChk	PassChk	PassChk	PassChk
Value										
Range										
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.04	41.34	39.28	2.008	2.028	42.67	2.032	2.019	2.007	2.000
Stddev	.13	.21	.16	.001	.005	.13	.005	.005	.003	.006
%RSD	.3422	.5066	.4114	.0378	.2310	.3102	.2508	.2272	.1389	.3139
#1	39.19	41.58	39.46	2.008	2.028	42.82	2.035	2.015	2.009	1.997
#2	38.92	41.23	39.22	2.007	2.024	42.60	2.026	2.019	2.004	1.996
#3	39.01	41.21	39.15	2.008	2.033	42.59	2.035	2.024	2.009	

Sample Name: CCV Acquired: 12/6/2016 15:47:40 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2176.9	6847.2	4490.2	5086.3
Stddev	6.0	23.5	143.	55.7
%RSD	.27495	.34253	.31851	1.0944
#1	2179.7	6846.9	4481.8	5132.8
#2	2181.0	6870.9	4506.7	5101.6
#3	2170.1	6824.0	4482.1	5024.7

Sample Name: CCB Acquired: 12/6/2016 15:51:37 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	-0.100	.0006	.0000	.0001	.0037	.0000	-0.001	.0001
Stddev	.0002	.0089	.0001	.0001	.0001	.0007	.0000	.0001	.0001
%RSD	145.8	89.37	17.19	982.8	57.93	19.09	56.80	94.13	102.2
#1	-0.002	-0.145	.0005	.0001	.0001	.0045	.0001	-0.001	.0001
#2	-0.004	.0003	.0006	-0.001	.0002	.0032	.0000	.0000	.0000
#3	.0001	-0.157	.0007	.0001	.0001	.0033	.0000	-0.001	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0050	-.0273	-.0145	.0001	F .0012	-.0771	.0000	.0007
Stddev	.0002	.0026	.0073	.0215	.0000	.0004	.0109	.0001	.0001
%RSD	69.94	52.02	26.77	147.5	40.74	31.25	14.09	162.1	21.23
#1	.0005	.0059	-.0222	-.0362	.0001	.0016	-.0751	.0000	.0006
#2	.0001	.0021	-.0357	.0068	.0001	.0012	-.0674	.0000	.0005
#3	.0005	.0071	-.0240	-.0142	.0000	.0008	-.0888	.0001	.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0007	-0.004	.0001	.0000	.0003	.0000	.0001	.0002
Stddev	.000	.0006	.0002	.0001	.000	.0001	.001	.0002	.0000
%RSD	636.7	80.00	41.74	88.35	7131.	29.76	3080.	211.3	13.06
#1	-0.004	.0006	-0.003	.0000	-0.001	.0003	.0008	.0000	.0003
#2	.0001	.0013	-0.004	.0002	.0001	.0002	-.0003	-0.001	.0002
#3	.0001	.0002	-0.006	.0001	.0000	.0003	-.0005	.0003	.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.2
7

Sample Name: CCB Acquired: 12/6/2016 15:51:37 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2559.7	7177.5	4743.6	5120.6
Stddev	3.3	10.1	238.	66.8
%RSD	.13077	.14016	.50132	1.3042
#1	2560.0	7181.5	4757.5	5197.3
#2	2562.9	7166.0	4757.0	5089.4
#3	2556.2	7184.9	4716.1	5075.2

Sample Name: MP31277-MB1 Acquired: 12/6/2016 15:55:50 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	-0.018	-0.003	-0.001	.0000	.0365	-0.001	-0.001	.0004	-0.001
Stddev	.0001	.0105	.0003	.0001	.0001	.0023	.0000	.0001	.0003	.0003
%RSD	31.22	568.6	77.56	96.86	496.9	6.375	59.60	64.97	81.38	394.2
#1	-0.002	-0.009	-0.001	-0.001	.0000	.0341	.0000	-0.001	.0002	.0003
#2	-0.002	-0.128	-0.003	-0.002	.0001	.0387	-0.001	.0000	.0007	-0.001
#3	-0.004	.0081	-0.006	.0000	.0000	.0368	-0.001	-0.002	.0002	-0.004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0065	-.0258	-.0016	.0002	.0002	-.0817	-.0002	.0007	.0008	.0010
Stddev	.0016	.0238	.0226	.0000	.0001	.0043	.0001	.0006	.0005	.0005
%RSD	25.07	92.28	141.8	5.688	60.54	5.253	58.59	79.98	60.41	48.81
#1	.0047	-.0008	.0215	.0002	.0002	-.0768	-.0002	.0004	.0003	.0009
#2	.0070	-.0482	-.0027	.0003	.0002	-.0836	-.0001	.0003	.0012	.0015
#3	.0078	-.0285	-.0236	.0002	.0000	-.0847	-.0003	.0014	.0011	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0034	.0003	.0000	.0003	-.0018	-.0003	.0016
Stddev	.0004	.0001	.0000	.0002	.0003	.0000	.0000
%RSD	13.11	29.90	74.30	75.99	14.25	12.31	2.261
#1	.0030	.0002	.0000	.0005	-.0021	-.0003	.0016
#2	.0039	.0003	.0000	.0001	-.0017	-.0002	.0015
#3	.0033	.0004	.0000	.0002	-.0016	-.0003	.0016

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP31277-MB1 Acquired: 12/6/2016 15:55:50 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2469.7	6954.3	46599.	4979.3
Stddev	4.0	6.9	60.	21.1
%RSD	.16367	.09981	.12881	.42294
#1	2472.3	6961.4	46545.	4983.2
#2	2471.7	6954.2	46589.	4956.6
#3	2465.0	6947.5	46663.	4998.2

Sample Name: MP31277-B1 Acquired: 12/6/2016 16:00:05 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0487	30.28	2.154	2.320	.0559	28.22	.0558	.5576	.2203	.2747
Stddev	.0003	.08	.006	.009	.0003	.05	.0001	.0008	.0004	.0018
%RSD	.6698	.2721	.2580	.3979	.6127	.1711	.2059	.1391	.1769	.6484
#1	.0485	30.37	2.155	2.330	.0563	28.27	.0558	.5570	.2200	.2763
#2	.0491	30.25	2.148	2.312	.0558	28.21	.0557	.5574	.2203	.2751
#3	.0485	30.22	2.159	2.319	.0557	28.18	.0559	.5585	.2207	.2728

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	29.18	28.98	27.20	.5543	.5804	29.70	.5625	.5454	.5515	2.172
Stddev	.10	.15	.09	.0012	.0006	.10	.0003	.0003	.0015	.003
%RSD	.3548	.5131	.3244	.2237	.0960	.3449	.0487	.0588	.2710	.1465
#1	29.29	29.14	27.29	.5534	.5801	29.80	.5622	.5450	.5532	2.169
#2	29.14	28.86	27.20	.5557	.5801	29.71	.5623	.5456	.5504	2.175
#3	29.10	28.93	27.12	.5537	.5811	29.59	.5628	.5454	.5510	2.173

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0028	.5802	.5691	.5628	2.203	.5291	.5557
Stddev	.0003	.0002	.0017	.0010	.006	.0010	.0007
%RSD	12.16	.0355	.3072	.1726	.2665	.1984	.1220
#1	.0025	.5802	.5702	.5630	2.196	.5300	.5563
#2	.0031	.5799	.5701	.5637	2.207	.5293	.5549
#3	.0029	.5803	.5671	.5618	2.205	.5279	.5558

Check ? None Chk Pass None None Chk PassChk PassChk Pass Value Range

7.2
7

Sample Name: MP31277-B1 Acquired: 12/6/2016 16:00:05 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2179.6	6679.2	44179.	4867.5
Stddev	4.2	15.0	53.	20.8
%RSD	.19260	.22453	.12050	.42701
#1	2174.8	6662.4	44239.	4853.5
#2	2182.5	6691.1	44162.	4857.6
#3	2181.5	6684.2	44137.	4891.4

Sample Name: FA38996-1 Acquired: 12/6/2016 16:04:04 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0001	.1401	.0017	.0152	.0000	5.730	.0000	-.0001	.0189	.0133
Stddev	.0001	.0025	.0001	.0001	.000	.016	.000	.0001	.0001	.0004
%RSD	133.2	1.816	8.231	.7438	371.4	.2765	118.3	96.75	.3630	3.326
#1	.0001	.1383	.0018	.0151	.0001	5.747	.0000	.0000	.0190	.0129
#2	.0000	.1430	.0015	.0152	-.0001	5.730	.0000	-.0001	.0189	.0137
#3	.0002	.1389	.0017	.0153	-.0001	5.715	.0000	-.0001	.0190	.0134

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.1961	.6678	.7402	.0015	.0056	17.84	.0029	.0005	-.0001	.0006
Stddev	.0020	.0564	.0302	.0000	.0001	.08	.0001	.0007	.0003	.0005
%RSD	1.021	8.451	4.086	1.246	1.822	4475	2.667	143.0	344.3	84.04
#1	.1954	.7165	.7451	.0015	.0056	17.93	.0029	.0001	.0000	.0004
#2	.1946	.6811	.7677	.0015	.0055	17.82	.0028	.0012	-.0004	.0011
#3	.1984	.6060	.7078	.0015	.0056	17.77	.0030	.0001	.0001	.0002

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.7807	.0004	.0188	.0032	-.0003	.0263	.0047
Stddev	.0016	.0003	.0002	.0001	.0003	.0002	.0001
%RSD	.2001	75.63	.9734	3.535	95.09	8266	1.962
#1	.7800	.0006	.0190	.0031	-.0000	.0265	.0047
#2	.7796	.0006	.0187	.0033	-.0006	.0261	.0046
#3	.7825	.0000	.0186	.0031	-.0003	.0262	.0048

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2360.9	6801.8	45138.	4931.8
Stddev	9.7	15.9	129.	40.1
%RSD	.41191	.23445	.28586	.81394
#1	2372.1	6819.7	45266.	4896.7
#2	2355.0	6796.8	45008.	4975.6
#3	2355.5	6789.0	45140.	4923.1

Sample Name: MP31277-D1 Acquired: 12/6/2016 16:08:12 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0002	.1463	.0024	.0147	.0000	5.570	.0000	-.0001	.0184	.0133
Stddev	.0001	.0060	.0003	.0001	.0000	.013	.000	.0002	.0002	.0002
%RSD	58.99	4.099	11.02	.7499	220.8	.2282	740.4	196.9	.8634	1.566
#1	.0002	.1506	.0023	.0146	.0000	5.570	-.0001	.0001	.0186	.0133
#2	.0001	.1488	.0021	.0148	.0001	5.557	.0000	-.0003	.0183	.0131
#3	.0003	.1394	.0027	.0147	.0000	5.582	.0001	-.0001	.0183	.0136

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.1887	.6537	.6797	.0016	.0051	17.28	.0028	.0008	.0007	.0014
Stddev	.0017	.0225	.0045	.0000	.0001	.03	.0001	.0003	.0007	.0010
%RSD	.9247	3.439	.6589	1.101	2.203	.1770	3.232	36.17	107.1	77.65
#1	.1907	.6286	.6827	.0016	.0051	17.25	.0027	.0009	.0001	.0012
#2	.1878	.6720	.6817	.0016	.0049	17.27	.0029	.0005	.0015	.0004
#3	.1876	.6606	.6745	.0016	.0051	17.31	.0028	.0010	.0004	.0025

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.7689	.0005	.0182	.0031	-.0007	.0255	.0058
Stddev	.0034	.0002	.0002	.0000	.0011	.0001	.0001
%RSD	.4387	32.50	.9747	1.342	162.2	.5633	.9483
#1	.7656	.0007	.0182	.0032	-.0015	.0255	.0058
#2	.7687	.0003	.0180	.0031	-.0010	.0253	.0057
#3	.7723	.0005	.0184	.0031	.0005	.0256	.0058

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2366.8	6826.9	45016.	4969.0
Stddev	3.6	10.6	114.	14.5
%RSD	.15088	.15556	.25235	.29234
#1	2362.8	6836.5	44889.	4980.3
#2	2367.7	6815.5	45051.	4974.2
#3	2369.8	6828.6	45108.	4952.6

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Sample Name: MP31277-SD1 Acquired: 12/6/2016 16:12:21 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0016	.0860	.0007	.0142	-.0003	5.395	-.0003	-.0004	.0175	.0133
Stddev	.0007	.0624	.0017	.0007	.0002	.030	.0002	.0006	.0009	.0008
%RSD	45.27	72.60	235.4	5.113	62.13	5574	50.22	126.4	4.885	6.230
#1	-.0014	.0187	-.0008	.0149	-.0002	5.389	-.0003	-.0006	.0181	.0140
#2	-.0025	.0971	.0004	.0142	-.0003	5.368	-.0002	-.0009	.0165	.0124
#3	-.0011	.1421	.0025	.0135	-.0006	5.427	-.0005	.0002	.0178	.0136

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.1553	.4721	.6305	.0015	.0030	16.52	.0035	.0022	-.0031	.0052
Stddev	.0120	.1009	.0714	.0001	.0003	.06	.0007	.0025	.0048	.0066
%RSD	7.754	21.38	11.32	5.933	11.22	.3616	19.87	111.9	154.9	126.6
#1	.1544	.5840	.5504	.0015	.0030	16.59	.0041	-.0005	.0011	.0044
#2	.1437	.3877	.6537	.0016	.0026	16.47	.0027	.0044	-.0021	-.0010
#3	.1677	.4447	.6875	.0014	.0033	16.50	.0037	.0028	-.0084	.0121

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.7356	.0000	.0171	.0028	.0016	.0234	.0177
Stddev	.0017	.002	.0002	.0013	.0012	.0008	.0002
%RSD	.2353	5722.	1.368	46.81	74.55	3.325	.8787
#1	.7361	-.0013	.0174	.0018	.0011	.0242	.0178
#2	.7337	-.0004	.0169	.0024	.0007	.0231	.0177
#3	.7371	.0017	.0171	.0044	.0029	.0227	.0175

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2533.3	7180.6	47465.	5137.6
Stddev	3.7	8.8	200.	19.0
%RSD	.14735	.12269	.42104	.36959
#1	2535.5	7186.6	47503.	5155.7
#2	2535.4	7184.6	47644.	5139.3
#3	2528.9	7170.5	47249.	5117.9

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7.2
7

Sample Name: MP31277-S1 Acquired: 12/6/2016 16:16:32 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0490	30.59	2.167	2.329	.0568	33.76	.0556	.5562	.2387	.2901
Stddev	.0003	.06	.005	.002	.0000	.01	.0001	.0008	.0016	.0007
%RSD	.7121	2.107	.2278	.1039	.0724	.0341	.1813	1.381	6.555	2.441
#1	.0493	30.59	2.166	2.331	.0568	33.75	.0555	.5564	.2405	.2907
#2	.0491	30.53	2.162	2.326	.0568	33.77	.0556	.5553	.2383	.2893
#3	.0486	30.66	2.172	2.329	.0568	33.77	.0556	.5568	.2375	.2904

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	29.40	29.65	28.13	.5589	.5808	46.82	.5642	.5491	.5518	2.183
Stddev	.05	.04	.16	.0019	.0005	.05	.0015	.0015	.0014	.005
%RSD	.1721	.1393	.5852	.3399	.0847	.0974	.2574	.2678	.2526	.2273
#1	29.36	29.66	28.07	.5580	.5812	46.85	.5656	.5477	.5504	2.188
#2	29.45	29.60	28.32	.5577	.5802	46.77	.5627	.5489	.5532	2.178
#3	29.39	29.68	28.01	.5611	.5808	46.85	.5641	.5507	.5520	2.184

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.7586	.5735	.5878	.5663	2.201	.5556	.5585
Stddev	.0013	.0010	.0001	.0014	.007	.0005	.0004
%RSD	.1680	.1703	.0219	.2404	.3226	.0907	.0652
#1	.7599	.5729	.5877	.5652	2.196	.5552	.5589
#2	.7574	.5730	.5877	.5659	2.198	.5562	.5582
#3	.7583	.5747	.5879	.5678	2.209	.5555	.5585

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2162.1	6701.5	43869.	4888.6
Stddev	2.2	10.8	57.	15.5
%RSD	.10206	.16149	.12905	.31616
#1	2161.6	6689.2	43906.	4881.2
#2	2164.6	6709.2	43897.	4906.4
#3	2160.3	6706.2	43804.	4878.2

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Sample Name: MP31277-S2 Acquired: 12/6/2016 16:20:30 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0489	30.46	2.158	2.313	.0562	33.67	.0554	.5555	.2384	.2887
Stddev	.0001	.10	.003	.004	.0004	.10	.0000	.0002	.0016	.0009
%RSD	.2832	.3414	.1209	.1660	.6372	.2916	.0486	.0392	.6854	.2965
#1	.0487	30.56	2.157	2.315	.0566	33.78	.0555	.5557	.2403	.2897
#2	.0489	30.46	2.157	2.316	.0562	33.63	.0554	.5553	.2373	.2885
#3	.0490	30.35	2.161	2.309	.0559	33.59	.0554	.5556	.2375	.2880

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	29.41	29.61	28.07	.5591	.5863	46.51	.5621	.5474	.5491	2.181
Stddev	.06	.11	.14	.0010	.0003	.17	.0006	.0008	.0008	.006
%RSD	.2202	.3567	.4962	.1824	.0500	.3588	.1072	.1530	.1430	.2569
#1	29.48	29.74	28.17	.5593	.5865	46.68	.5614	.5470	.5482	2.175
#2	29.40	29.57	27.91	.5580	.5863	46.49	.5624	.5468	.5497	2.184
#3	29.35	29.								

Sample Name: MP31277-MB2 Acquired: 12/6/2016 16:24:29 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0239	-0.005	.0022	.0000	.1634	-0.001	-0.001	.0008	-0.003
Stddev	.0002	.0096	.0024	.0003	.0000	.0038	.0000	.0001	.0003	.0001
%RSD	168.9	40.02	35.35	12.38	449.7	2.339	63.65	65.54	43.48	33.86
#1	-0.003	.0345	-0.006	.0023	.0000	.1591	.0000	.0000	.0009	-0.003
#2	.0001	.0159	-0.003	.0019	.0000	.1647	-0.001	-0.001	.0004	-0.003
#3	-0.001	.0213	-0.007	.0024	.0000	.1665	-0.001	-0.001	.0010	-0.005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0186	.0219	.0387	.0003	-0.001	1.317	-0.001	.0009	-0.003	.0021
Stddev	.0012	.0163	.0024	.0000	.0001	.011	.0001	.0006	.0003	.0010
%RSD	6.465	74.26	6.236	10.41	186.0	8061	119.9	68.06	123.4	48.49
#1	.0177	.0095	.0368	.0003	-0.001	1.317	-0.002	.0015	.0000	.0033
#2	.0181	.0159	.0414	.0004	.0001	1.306	.0000	.0002	-0.006	.0014
#3	.0200	.0403	.0378	.0003	-0.002	1.327	.0000	.0010	-0.002	.0017

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2380	.0001	.0002	.0011	.0007	.0002	.0050
Stddev	.0061	.0002	.0001	.0006	.0004	.0001	.0001
%RSD	2.556	159.1	26.02	58.20	64.53	64.12	2.379
#1	.2326	-0.001	.0002	.0007	.0002	.0003	.0048
#2	.2369	.0002	.0002	.0008	.0007	.0001	.0050
#3	.2446	.0003	.0003	.0019	.0011	.0003	.0051

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP31277-MB2 Acquired: 12/6/2016 16:24:29 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2505.5	7020.9	46901.	5011.3
Stddev	6.2	10.0	125.	39.6
%RSD	.24619	.14284	.26731	.78949
#1	2512.6	7011.1	46940.	5005.0
#2	2501.7	7031.1	47002.	5053.6
#3	2502.2	7020.4	46760.	4975.2

Sample Name: MP31277-B1 Acquired: 12/6/2016 16:28:41 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0486	30.09	2.143	2.282	.0551	28.13	.0551	.5509	.2183
Stddev	.0007	.07	.004	.007	.0002	.07	.0001	.0010	.0003
%RSD	1.372	.2255	.1818	.2898	.3675	.2666	.2037	.1808	.1417
#1	.0488	30.16	2.148	2.289	.0551	28.19	.0551	.5520	.2181
#2	.0478	30.07	2.142	2.276	.0553	28.14	.0552	.5505	.2186
#3	.0491	30.03	2.140	2.281	.0549	28.05	.0550	.5501	.2181

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2714	28.93	28.85	27.21	.5516	.5779	F 30.82	.5578	.5417
Stddev	.0013	.05	.18	.08	.0018	.0003	.09	.0001	.0008
%RSD	.4812	.1791	.6368	.2802	.3337	.0520	.2768	.0172	.1419
#1	.2713	28.99	29.06	27.29	.5512	.5777	30.91	.5579	.5410
#2	.2701	28.92	28.77	27.15	.5499	.5779	30.82	.5578	.5415
#3	.2727	28.88	28.73	27.19	.5536	.5783	30.74	.5577	.5425

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 Value Range 25.00 20.00%

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5478	2.162	.2601	.5794	.5689	.5665	2.184	.5204	.5549
Stddev	.0007	.002	.0081	.0021	.0019	.0020	.004	.0015	.0011
%RSD	.1272	.1010	3.118	.3598	.3264	.3460	.1612	.2944	.2018
#1	.5486	2.162	.2561	.5808	.5708	.5663	2.182	.5195	.5559
#2	.5473	2.164	.2548	.5804	.5687	.5647	2.188	.5221	.5550
#3	.5475	2.160	.2695	.5770	.5671	.5686	2.182	.5194	.5537

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP31277-B1 Acquired: 12/6/2016 16:28:41 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2226.6	6819.3	44835.	4962.9
Stddev	6.1	13.7	79.	28.3
%RSD	.27591	.20059	.17685	.56966
#1	2233.5	6831.2	44863.	4938.5
#2	2221.9	6804.4	44896.	4956.2
#3	2224.3	6822.5	44745.	4993.9

Sample Name: MP31278-MB1 Acquired: 12/6/2016 16:32:40 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	.0005	-0.003	.0003	.0000	.0317	-0.001	-0.002	.0004	-0.002
Stddev	.0002	.0057	.0002	.0001	.000	.0016	.0000	.0000	.0001	.0001
%RSD	83.28	1258.	50.73	55.02	47.72	4.967	33.83	21.72	29.45	44.24
#1	-0.003	.0049	-0.002	.0002	.0000	.0314	-0.001	-0.003	.0005	-0.001
#2	-0.005	.0025	-0.005	.0004	.0000	.0303	-0.001	-0.002	.0005	-0.003
#3	.0000	-0.060	-0.003	.0002	.0000	.0334	-0.001	-0.002	.0003	-0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0094	-.0636	-.0093	.0002	.0000	-.0570	-.0001	-.0001	.0003	.0017
Stddev	.0039	.0203	.0144	.0000	.0001	.0063	.0000	.0003	.0007	.0002
%RSD	41.44	31.89	155.6	16.51	237.5	11.01	18.46	332.8	214.0	9.653
#1	.0103	-.0428	-.0240	.0001	.0001	-.0620	-.0002	-.0001	.0011	.0017
#2	.0128	-.0646	-.0086	.0002	.0001	-.0590	-.0002	-.0003	.0001	.0018
#3	.0052	-.0833	.0048	.0002	-.0001	-.0500	-.0003	.0002	-.0002	.0015

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0026	.0002	.0001	.0002	-.0003	-.0003	.0019
Stddev	.0004	.0004	.0001	.0002	.0004	.0001	.0000
%RSD	16.31	196.4	80.52	104.0	164.6	44.73	1.087
#1	.0021	.0006	.0001	.0004	-.0003	-.0004	.0019
#2	.0029	.0000	.0000	.0000	.0002	-.0002	.0019
#3	.0029	-.0001	.0001	.0001	-.0007	-.0002	.0019

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCV Acquired: 12/6/2016 16:36:52 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2591	39.97	2.009	2.052	1.981	39.94	2.039	2.038	2.014	1.997
Stddev	.0010	.29	.007	.009	.010	.28	.002	.003	.006	.005
%RSD	4.021	.7315	.3281	.4564	.5062	.7049	.1183	.1601	.3104	.2397
#1	.2582	40.29	2.002	2.062	1.988	40.22	2.037	2.034	2.021	1.996
#2	.2602	39.72	2.010	2.044	1.969	39.66	2.038	2.037	2.009	2.002
#3	.2590	39.91	2.015	2.049	1.985	39.95	2.042	2.041	2.011	1.992

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.02	41.37	39.39	2.027	2.029	42.69	2.036	2.020	2.008	2.008
Stddev	.20	.24	.29	.008	.004	.30	.003	.008	.009	.006
%RSD	.5178	.5863	.7348	.3873	.1823	.7055	.1497	.3764	.4358	.3035
#1	39.19	41.60	39.70	2.031	2.025	43.01	2.035	2.015	1.998	2.001
#2	38.80	41.12	39.12	2.032	2.030	42.42	2.034	2.017	2.014	2.012
#3	39.08	41.37	39.35	2.018	2.033	42.64	2.040	2.029	2.012	2.010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.637	2.059	2.041	2.037	2.039	2.026	2.038
Stddev	.003	.006	.010	.006	.004	.006	.004
%RSD	.1642	.3042	.4935	.3131	.2104	.3201	.2026
#1	1.634	2.053	2.047	2.037	2.035	2.028	2.036
#2	1.638	2.057	2.029	2.044	2.039	2.019	2.036
#3	1.639	2.066	2.046	2.031	2.043	2.031	2.043

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP31278-MB1 Acquired: 12/6/2016 16:32:40 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2479.0	6959.6	46344.	4982.1
Stddev	1.7	8.5	223.	5.0
%RSD	.06701	.12178	.48166	.10077
#1	2478.2	6958.4	46112.	4976.7
#2	2480.9	6951.8	46557.	4983.1
#3	2477.8	6968.6	46363.	4986.5

Sample Name: CCV Acquired: 12/6/2016 16:36:52 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2175.6	6838.2	44372.	5060.4
Stddev	5.0	11.9	247.	53.3
%RSD	.23072	.17449	.55624	1.0525
#1	2176.6	6843.7	44173.	5001.4
#2	2180.1	6846.3	44295.	5104.9
#3	2170.2	6824.5	44649.	5075.0

Sample Name: CCB Acquired: 12/6/2016 16:40:49 Type: QC
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 10 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include Avg, Stddev, %RSD and #1-#3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Units, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include Avg, Stddev, %RSD and #1-#3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Table with 10 columns: Elem, Units, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and #1-#3.

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: CCB Acquired: 12/6/2016 16:40:49 Type: QC
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Int. Std, Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-#3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: MP31278-B1 Acquired: 12/6/2016 16:45:02 Type: QC
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, Units, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247. Rows include Avg, Stddev, %RSD and #1-#3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 11 columns: Elem, Units, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203, Sb2068, Se1960. Rows include Avg, Stddev, %RSD and #1-#3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Table with 8 columns: Elem, Units, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include Avg, Stddev, %RSD and #1-#3.

Check ? None Chk Pass None None Chk Pass Chk Pass Chk Pass
Value Range

Sample Name: MP31278-B1 Acquired: 12/6/2016 16:45:02 Type: QC
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Int. Std, Units, In2306, Y_2243, Y_3600, Y_3710. Rows include Avg, Stddev, %RSD and #1-#3.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Sample Name: FA39165-1L Acquired: 12/6/2016 16:49:02 Type: Unk
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: MP31278-D1 Acquired: 12/6/2016 16:53:19 Type: Unk
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: MP31278-SD1 Acquired: 12/6/2016 16:57:36 Type: Unk
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: MP31278-S1 Acquired: 12/6/2016 17:01:49 Type: Unk
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677, Cu3247) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: MP31278-S2 Acquired: 12/6/2016 17:05:57 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0485	30.06	2.184	2.300	.0557	30.50	.0552	.5494	2.188
Stddev	.0007	.11	.001	.005	.0004	.09	.0002	.0004	.0011
%RSD	1.462	.3492	.0435	.2034	.6857	.2814	.3797	.0663	.4856
#1	.0487	29.96	2.185	2.298	.0554	30.41	.0551	.5490	2.178
#2	.0477	30.17	2.184	2.297	.0561	30.58	.0551	.5497	2.199
#3	.0491	30.05	2.184	2.306	.0555	30.50	.0555	.5495	2.187
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2707	28.93	28.96	27.28	.6066	.5724	F174.9	.5545	.5490
Stddev	.0017	.12	.04	.24	.0011	.0008	1.2	.0001	.0022
%RSD	.6361	.4013	.1467	.8701	.1864	.1437	.7140	.0211	.3938
#1	.2693	28.79	28.91	27.07	.6069	.5724	176.2	.5545	.5515
#2	.2726	29.01	28.98	27.54	.6076	.5716	173.8	.5545	.5477
#3	.2701	28.97	28.99	27.23	.6054	.5732	174.7	.5543	.5478
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5491	2.220	.1047	.5681	.5722	.5605	2.162	.5240	.5625
Stddev	.0021	.003	.0011	.0003	.0017	.0006	.001	.0006	.0013
%RSD	.3767	.1400	1.035	.0587	.2958	.1149	.0459	.1060	.2281
#1	.5514	2.223	.1045	.5682	.5717	.5610	2.163	.5234	.5611
#2	.5478	2.219	.1037	.5677	.5741	.5608	2.161	.5245	.5631
#3	.5479	2.217	.1058	.5684	.5709	.5598	2.162	.5241	.5635
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2074.0	6559.1	4246.3	4820.4					
Stddev	.8	9.0	154.	21.4					
%RSD	.03927	.13664	.36205	.44458					
#1	2073.1	6569.5	42286.	4844.9					
#2	2074.1	6553.8	42542.	4811.1					
#3	2074.8	6554.1	42560.	4805.2					

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Sample Name: FA39165-2L Acquired: 12/6/2016 17:10:05 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	.0096	-0.003	.1879	.0000	3.036	.0004	-0.001	.0005
Stddev	.0000	.0088	.0008	.0001	.0001	.009	.0001	.0001	.0001
%RSD	16.43	91.80	284.2	.0749	551.0	.2954	18.50	54.68	20.14
#1	-0.001	.0155	.0005	.1880	.0000	3.043	.0004	-0.001	.0004
#2	-0.002	.0140	-0.012	.1879	.0000	3.026	.0003	-0.001	.0006
#3	-0.002	-.0005	-0.002	.1877	.0001	3.040	.0004	.0000	.0004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0032	.0092	.3958	.3287	.0307	-0.0002	F152.2	.0004	.0074
Stddev	.0003	.0017	.0259	.0156	.0002	.0001	3.3	.0001	.0004
%RSD	8.200	18.69	6.553	4.761	.5638	41.21	2.186	36.75	5.135
#1	.0034	.0085	.3665	.3459	.0308	-0.001	156.0	.0003	.0073
#2	.0029	.0111	.4050	.3247	.0307	-0.003	150.5	.0003	.0072
#3	.0032	.0079	.4158	.3154	.0305	-0.003	150.0	.0005	.0079
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0070	.0014	.1275	.0002	.0178	.0002	-0.009	-0.001	.0647
Stddev	.0002	.0001	.0007	.0001	.0000	.0001	.0004	.0003	.0001
%RSD	3.267	8.917	.5601	64.28	.1626	34.26	41.58	197.4	.1989
#1	.0069	.0015	.1283	.0004	.0178	.0002	-0.005	.0001	.0649
#2	.0072	.0013	.1274	.0001	.0178	.0003	-0.010	-0.005	.0647
#3	.0068	.0015	.1269	.0002	.0177	.0001	-0.012	-0.001	.0646
Int. Std.	In2306	Y_2243	Y_3600	Y_3710 <td colspan="5"></td>					
Avg	2172.6	6571.2	42486.	4881.8					
Stddev	2.5	7.2	305.	24.3					
%RSD	.11289	.10888	.71767	.49767					
#1	2173.0	6564.9	42234.	4853.8					
#2	2170.0	6579.0	42400.	4896.8					
#3	2174.9	6569.7	42825.	4894.8					

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7.2
7

Sample Name: FA39165-3L Acquired: 12/6/2016 17:14:23 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	.0506	-0.005	.0506	.0000	4.083	.0002	.0004	.0008
Stddev	.0003	.0135	.0007	.0005	.0000	.018	.0001	.0002	.0001
%RSD	242.6	26.69	122.5	.9573	162.8	.4305	31.90	44.16	6.084
#1	-0.005	.0417	-0.001	.0511	.0001	4.103	.0003	.0003	.0008
#2	.0001	.0662	-0.013	.0501	.0000	4.073	.0002	.0002	.0009
#3	.0000	.0441	-0.002	.0506	.0000	4.073	.0002	.0005	.0008
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0021	.0201	.3013	.2087	.0269	-0.004	F151.6	.0003	.1598
Stddev	.0001	.0042	.0184	.0098	.0002	.0001	3.7	.0003	.0002
%RSD	6.864	20.64	6.092	4.688	.6779	35.65	2.442	80.42	12.62
#1	.0019	.0249	.2807	.2088	.0270	-0.003	155.9	.0000	.1597
#2	.0022	.0174	.3075	.1988	.0270	-0.005	149.5	.0005	.1596
#3	.0021	.0181	.3158	.2184	.0267	-0.003	149.4	.0005	.1600
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0637	.0016	.1540	.0003	.0217	.0022	-0.010	.0000	.0668
Stddev	.0012	.0005	.0035	.0002	.0000	.0001	.0004	.0003	.0001
%RSD	1.888	29.05	2.284	59.01	.1324	5.135	36.19	567.5	.1936
#1	.0639	.0021	.1576	.0002	.0217	.0022	-0.013	-0.002	.0667
#2	.0647	.0012	.1506	.0005	.0218	.0022	-0.011	.0004	.0667
#3	.0624	.0016	.1539	.0002	.0217	.0020	-0.006	-0.001	.0669
Int. Std.	In2306	Y_2243	Y_3600	Y_3710 <td colspan="5"></td>					
Avg	2186.3	6586.2	42659.	4851.5					
Stddev	2.1	8.4	209.	41.6					
%RSD	.09795	.12789	.49082	.85845					
#1	2186.8	6585.7	42601.	4803.9					
#2	2188.2	6594.9	42485.	4870.0					
#3	2184.0	6578.0	42892.	4880.8					

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Sample Name: FA39165-4L Acquired: 12/6/2016 17:18:40 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.008	.0304	-0.011	.0493	.0000	4.326	.0006	.0000	.0007
Stddev	.0004	.0075	.0006	.0001	.000	.017	.0000	.000	.0000
%RSD	47.44	24.54	54.08	.2757	118.9	.3982	4.450	558.1	5.229
#1	-0.004	.0242	-0.011	.0493	.0000	4.330	.0006	-0.001	.0007
#2	-0.011	.0387	-0.016	.0491	.0000	4.340	.0007	.0001	.0008
#3	-0.010	.0283	-0.005	.0494	-0.001	4.307	.0006	.0000	.0007
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0052	.0177	.3230	.2503	.0109	-0.005	F154.3	.0006	.0069
Stddev	.0004	.0015	.0063	.0305	.0001	.0000	.9	.0001	.0007
%RSD	7.568	8.268	1.949	12.18	.5268	6.833	5759	18.87	9.860
#1	.0054	.0162	.3184	.2546	.0109	-0.004	153.6	.0007	.0062
#2	.0054	.0179	.3203	.2179	.0108	-0.005	155.3	.0005	.0074
#3	.0047	.0191	.3302	.2784	.0109	-0.004	154.0	.0005	.0

Sample Name: FA39165-SL Acquired: 12/6/2016 17:22:55 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	.0463	-.0011	.0480	.0000	4.081	.0003	.0001	.0004
Stddev	.0004	.0027	.0005	.0001	.000	.018	.0000	.0001	.0001
%RSD	300.5	5.776	41.86	.1087	1012.	.4290	13.33	126.1	28.05
#1	-.0002	.0490	-.0010	.0481	.0001	4.093	.0003	.0002	.0003
#2	-.0006	.0461	-.0016	.0480	.0000	4.061	.0003	.0000	.0005
#3	.0003	.0437	-.0007	.0480	-.0002	4.088	.0004	.0001	.0004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0014	.0172	-.3568	.1892	.0094	-.0005	F163.0	.0004	.0131
Stddev	.0001	.0022	.0214	.0177	.0000	.0001	4.7	.0001	.0004
%RSD	9.900	12.81	6.005	9.338	.4866	18.37	2.868	12.31	2.901
#1	.0015	.0197	.3646	.2013	.0094	-.0005	168.4	.0004	.0127
#2	.0015	.0156	.3326	.1973	.0094	-.0005	160.5	.0005	.0134
#3	.0013	.0164	.3733	.1689	.0093	-.0007	160.2	.0004	.0133
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(In2306)
Avg	.0052	.0001	.1805	.0002	.0290	.0023	-.0019	-.0001	.0547
Stddev	.0011	.0012	.0024	.0001	.0001	.0002	.0002	.0001	.0000
%RSD	21.06	1029.	1.315	64.55	3.536	7.096	12.28	65.36	.0243
#1	.0062	.0014	.1813	.0001	.0289	.0022	-.0019	-.0002	.0547
#2	.0053	.0000	.1778	.0003	.0291	.0021	-.0017	.0000	.0547
#3	.0040	-.0010	.1824	.0001	.0291	.0024	-.0021	-.0002	.0547
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	2181.8	6848.1	44204.	5049.2					
Stddev	4.1	10.9	278.	3.1					
%RSD	.18736	.15914	.62945	.06132					
#1	2185.1	6855.8	44212.	5051.8					
#2	2177.2	6835.6	44478.	5050.1					
#3	2183.1	6852.9	43921.	5045.8					

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Sample Name: CCV Acquired: 12/6/2016 17:27:14 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-.0057	.0000	.0000	.0000	.0046	.0000	-.0001	.0000
Stddev	.0003	.0029	.000	.000	.0001	.0025	.0000	.0001	.0000
%RSD	413.5	51.75	1356.	522.7	176.7	54.67	202.0	123.4	437.8
#1	.0001	-.0066	-.0001	.0001	.0000	.0073	.0001	-.0002	.0000
#2	.0001	-.0024	.0004	-.0003	.0000	.0044	.0000	.0000	.0000
#3	-.0004	-.0080	-.0004	.0001	.0001	.0022	.0000	-.0001	.0000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0078	-.0145	-.0123	.0001	F.0013	.0087	.0001	.0006
Stddev	.0005	.0023	.0157	.0170	.0000	.0004	.0071	.0002	.0001
%RSD	305.3	29.29	107.6	138.2	19.07	28.89	81.59	363.9	20.71
#1	-.0007	.0060	-.0324	.0071	.0001	.0017	.0098	.0000	.0005
#2	.0001	.0071	-.0033	-.0193	.0001	.0012	.0011	-.0001	.0007
#3	.0001	.0104	-.0079	-.0245	.0001	.0009	.0152	.0003	.0007
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0010	-.0005	.0001	.0001	.0003	-.0001	-.0001	.0002
Stddev	.0009	.0006	.0003	.0002	.0001	.0001	.0003	.0002	.0000
%RSD	505.0	63.06	53.75	178.1	152.9	32.85	425.7	178.4	14.62
#1	.0008	.0004	-.0005	.0004	.0000	.0003	.0003	-.0004	.0002
#2	-.0007	.0011	-.0003	-.0001	.0000	.0002	-.0002	.0001	.0002
#3	-.0006	.0016	-.0008	.0001	.0002	.0003	-.0002	-.0001	.0002

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Sample Name: CCV Acquired: 12/6/2016 17:27:14 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2586	40.18	2.028	2.053	1.996	40.07	2.040	2.040	2.026	2.019
Stddev	.0001	.07	.004	.001	.006	.04	.002	.002	.007	.004
%RSD	.0561	.1623	.2037	.0632	.3092	.0961	.1184	.0781	.3419	.2014
#1	2586	40.22	2.029	2.054	2.001	40.10	2.039	2.041	2.020	2.020
#2	2588	40.20	2.031	2.052	1.998	40.08	2.043	2.040	2.025	2.014
#3	2585	40.10	2.023	2.053	1.989	40.03	2.038	2.038	2.034	2.022
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.35	41.51	39.80	2.050	2.038	41.04	2.050	2.025	2.021	2.021
Stddev	.06	.08	.12	.007	.001	.06	.001	.004	.004	.003
%RSD	.1577	.2033	.3115	.3619	.0547	.1456	.0634	.1835	.2157	.1667
#1	39.39	41.60	39.92	2.050	2.037	41.08	2.049	2.024	2.025	2.020
#2	39.38	41.50	39.80	2.043	2.039	41.07	2.051	2.029	2.016	2.019
#3	39.28	41.43	39.67	2.058	2.038	40.97	2.048	2.022	2.012	2.025
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm			
Avg	1.644	2.053	2.058	2.054	2.044	2.037	2.043			
Stddev	.002	.003	.005	.007	.004	.005	.004			
%RSD	.1399	.1645	.2690	.3379	.1761	.2531	.1808			
#1	1.642	2.056	2.061	2.055	2.044	2.031	2.043			
#2	1.644	2.055	2.061	2.046	2.047	2.039	2.047			
#3	1.646	2.049	2.051	2.060	2.040	2.041	2.040			
Check ?	None Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass									
Value										
Range										

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Sample Name: CCB Acquired: 12/6/2016 17:31:12 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-0.001	-.0057	.0000	.0000	.0000	.0046	.0000	-.0001	.0000	
Stddev	.0003	.0029	.000	.000	.0001	.0025	.0000	.0001	.0000	
%RSD	413.5	51.75	1356.	522.7	176.7	54.67	202.0	123.4	437.8	
#1	.0001	-.0066	-.0001	.0001	.0000	.0073	.0001	-.0002	.0000	
#2	.0001	-.0024	.0004	-.0003	.0000	.0044	.0000	.0000	.0000	
#3	-.0004	-.0080	-.0004	.0001	.0001	.0022	.0000	-.0001	.0000	
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-.0002	.0078	-.0145	-.0123	.0001	F.0013	.0087	.0001	.0006	
Stddev	.0005	.0023	.0157	.0170	.0000	.0004	.0071	.0002	.0001	
%RSD	305.3	29.29	107.6	138.2	19.07	28.89	81.59	363.9	20.71	
#1	-.0007	.0060	-.0324	.0071	.0001	.0017	.0098	.0000	.0005	
#2	.0001	.0071	-.0033	-.0193	.0001	.0012	.0011	-.0001	.0007	
#3	.0001	.0104	-.0079	-.0245	.0001	.0009	.0152	.0003	.0007	
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	-.0002	.0010	-.0005	.0001	.0001	.0003	-.0001	-.0001	.0002	
Stddev	.0009	.0006	.0003	.0002	.0001	.0001	.0003	.0002	.0000	
%RSD	505.0	63.06	53.75	178.1	152.9	32.85	425.7	178.4	14.62	
#1	.0008	.0004	-.0005	.0004	.0000	.0003	.0003	-.0004	.0002	
#2	-.0007	.0011	-.0003	-.0001	.0000	.0002	-.0002	.0001	.0002	
#3	-.0006	.0016	-.0008	.0001	.0002	.0003	-.0002	-.0001	.0002	
Check ?	Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass									
High Limit										
Low Limit	.0010 -.0010									
Elem	Sb2068	Se1960	Si2124	Sn1899						

Sample Name: CCB Acquired: 12/6/2016 17:31:12 Type: QC
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 5 columns: Int. Std., Units, Avg, Stddev, %RSD. Rows include In2306, Y_2243, Y_3600, Y_3710 and #1, #2, #3.

Sample Name: FA39165-6L Acquired: 12/6/2016 17:35:25 Type: Unk
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, IS Ref, Avg, Stddev, %RSD. Rows include Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677 and #1, #2, #3.

7.2 7

Sample Name: FA39165-7L Acquired: 12/6/2016 17:39:43 Type: Unk
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, IS Ref, Avg, Stddev, %RSD. Rows include Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677 and #1, #2, #3.

Sample Name: FA39165-8L Acquired: 12/6/2016 17:43:59 Type: Unk
Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Table with 11 columns: Elem, IS Ref, Avg, Stddev, %RSD. Rows include Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677 and #1, #2, #3.

Sample Name: FA39165-11L Acquired: 12/6/2016 17:48:09 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.0230	-.0010	.1032	.0000	17.26	.0012	.0000	.0015
Stddev	.0001	.0065	.0007	.0005	.0001	.08	.0000	.0002	.0003
%RSD	79.34	28.24	67.47	4.378	6017.	4.799	2.035	507.6	21.72
#1	.0002	.0274	-.0016	.1036	.0001	17.35	.0012	.0001	.0015
#2	.0002	.0261	-.0011	.1027	-.0001	17.22	.0012	-.0002	.0018
#3	.0000	.0155	-.0003	.1033	.0001	17.20	.0013	.0001	.0011
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0070	.0102	.4121	.4714	.0254	-.0007	F156.2	.0013	.0168
Stddev	.0002	.0003	.0395	.0100	.0001	.0001	1.0	.0003	.0001
%RSD	2.996	2.492	9.578	2.122	.3975	15.55	.6629	21.53	.7563
#1	.0069	.0103	.4368	.4735	.0254	-.0007	157.3	.0014	.0167
#2	.0072	.0099	.3666	.4801	.0254	-.0007	155.2	.0015	.0169
#3	.0069	.0103	.4330	.4605	.0252	-.0009	156.1	.0010	.0168
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0019	.0011	.2641	.0001	.0558	.0011	-.0017	-.0002	.3467
Stddev	.0009	.0003	.0041	.0003	.0002	.0000	.0007	.0002	.0005
%RSD	47.77	25.72	1.552	180.5	.4456	4.123	40.93	100.2	1.298
#1	.0009	.0011	.2688	.0003	.0561	.0012	-.0016	-.0005	.3472
#2	.0022	.0009	.2613	-.0002	.0556	.0011	-.0024	-.0002	.3464
#3	.0027	.0014	.2623	.0003	.0557	.0011	-.0010	-.0000	.3464
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	2163.0	6530.1	41927.	4809.8					
Stddev	3.0	12.9	46.	33.1					
%RSD	.14034	.19678	.11091	.68920					
#1	2162.9	6515.3	41879.	4789.6					
#2	2166.1	6536.0	41929.	4791.8					
#3	2160.1	6538.9	41972.	4848.1					

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Sample Name: FA39165-12L Acquired: 12/6/2016 17:52:25 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0004	.0098	-.0010	.1436	.0000	7.930	.0054	.0004	.0011
Stddev	.0002	.0020	.0001	.0008	.0001	.011	.0000	.0000	.0003
%RSD	51.84	20.95	10.10	5.369	536.4	.1343	.3941	8.468	31.33
#1	-.0003	.0099	-.0010	.1428	.0000	7.938	.0054	.0005	.0007
#2	-.0002	.0077	-.0012	.1435	-.0001	7.918	.0054	.0004	.0011
#3	-.0006	.0118	-.0010	.1444	.0001	7.935	.0054	.0004	.0014
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0387	.0067	.3712	.3722	.0763	-.0006	F165.4	.0030	.0234
Stddev	.0002	.0009	.0157	.0212	.0001	.0001	3.8	.0003	.0005
%RSD	.5228	14.15	4.232	5.697	.1147	16.73	2.278	8.479	2.244
#1	.0385	.0056	.3771	.3931	.0764	-.0007	168.7	.0028	.0236
#2	.0389	.0074	.3534	.3727	.0763	-.0007	161.3	.0033	.0228
#3	.0387	.0070	.3831	.3507	.0763	-.0005	166.3	.0030	.0238
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0033	.0011	.2392	.0003	.0563	.0010	-.0017	-.0002	1.627
Stddev	.0010	.0005	.0030	.0001	.0000	.0001	.0005	.0003	.002
%RSD	29.12	49.37	1.269	34.37	.0639	9.175	31.80	218.0	.0927
#1	.0035	.0011	.2377	.0002	.0563	.0010	-.0022	-.0002	1.628
#2	.0023	.0017	.2427	.0003	.0563	.0010	-.0011	.0002	1.625
#3	.0042	.0006	.2372	.0003	.0563	.0009	-.0018	-.0005	1.628
Int. Std.	In2306	Y_2243	Y_3600	Y_3710 <td colspan="5"></td>					
Avg	2163.0	6531.8	42012.	4793.2					
Stddev	2.7	6.8	164.	71.4					
%RSD	.12455	.10374	.39048	1.4890					
#1	2165.6	6539.3	41847.	4742.7					
#2	2160.3	6530.2	42175.	4874.8					
#3	2163.0	6526.0	42015.	4762.0					

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7.2
7

Sample Name: MP31278-D2 Acquired: 12/6/2016 17:56:43 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0001	.0270	-.0010	.0240	.0001	2.819	.0001	.0034	.0005
Stddev	.0003	.0118	.0004	.0002	.0000	.018	.0000	.0001	.0000
%RSD	330.3	43.65	43.11	8.331	4.740	6.282	23.56	2.497	4.296
#1	.0002	.0232	-.0007	.0241	.0001	2.819	.0001	.0034	.0006
#2	-.0004	.0403	-.0015	.0242	.0001	2.801	.0001	.0034	.0006
#3	-.0001	.0176	-.0009	.0238	.0001	2.836	.0002	.0035	.0005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0004	.0080	.2941	.2199	.0592	-.0005	F150.4	.0023	.0028
Stddev	.0003	.0020	.0389	.0084	.0002	.0002	2.8	.0002	.0004
%RSD	72.76	25.54	13.23	3.823	.3693	29.30	1.876	7.238	13.82
#1	.0005	.0080	.2697	.2257	.0593	-.0005	151.9	.0022	.0028
#2	.0001	.0060	.3390	.2102	.0592	-.0007	152.2	.0025	.0024
#3	.0005	.0101	.2737	.2237	.0589	-.0004	147.2	.0023	.0031
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0009	.0018	.1103	.0002	.0087	.0001	-.0014	-.0003	.0116
Stddev	.0013	.0010	.0020	.0002	.0000	.0001	.0005	.0002	.0001
%RSD	150.6	54.29	1.827	124.8	.3586	68.09	32.58	63.47	5.938
#1	-.0013	.0027	.1122	.0000	.0087	.0000	-.0019	-.0002	.0116
#2	-.0006	.0019	.1082	.0001	.0087	.0002	-.0010	-.0001	.0117
#3	-.0020	.0008	.1104	.0004	.0087	.0002	-.0013	-.0004	.0116
Int. Std.	In2306	Y_2243	Y_3600	Y_3710 <td colspan="5"></td>					
Avg	2189.5	6578.5	42172.	4791.6					
Stddev	5.6	14.4	82.	14.4					
%RSD	.25375	.21942	.19551	.30119					
#1	2195.8	6594.8	42144.	4802.0					
#2	2185.5	6573.5	42108.	4775.1					
#3	2187.0	6567.2	42265.	4797.7					

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Sample Name: MP31278-MB2 Acquired: 12/6/2016 18:00:59 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	-.0126	-.0009	.0032	-.0001	.3915	.0000	-.0003	.0004
Stddev	.0003	.0075	.0007	.0001	.0000	.0041	.000	.0001	.0001
%RSD	127.0	59.77	80.64	4.119	10.94	1.040	137.7	20.47	20.46
#1	.0001	-.0051	-.0015	.0032	-.0001	.3956	-.0001	-.0003	.0003
#2	-.0004	-.0201	-.0001	.0030	-.0001	.3874	.0000	-.0003	.0005
#3	-.0004	-.0125	-.0011	.0033	-.0001	.3916	.0000	-.0002	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.0007	.1793	.0356	.0003	-.0006	F148.8	.0001	.0007
Stddev	.0004	.0026	.0282	.0210	.0000	.0001	.9	.0001	.0002
%RSD	77.50	355.8	15.75	59.00	5.538	23.83	.6203	86.46	24.94
#1	.0003	.0037	.1507	.0555	.0003	-.0004	149.9	.0001	.0005
#2	.0003								

Sample Name: MP31278-MB2 Acquired: 12/6/2016 18:00:59 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2182.0	6550.4	4197.7	4782.4
Stddev	1.4	7.9	39.	11.9
%RSD	.06366	.12015	.09195	.24786
#1	2180.8	6549.2	42006.	4773.3
#2	2181.8	6558.8	41933.	4795.8
#3	2183.5	6543.2	41993.	4778.0

Sample Name: MP31278-B2 Acquired: 12/6/2016 18:05:14 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0492	30.39	2.234	2.313	.0563	28.68	.0559	.5545	.2225
Stddev	.0002	.08	.005	.003	.0002	.07	.0001	.0008	.0003
%RSD	.4258	.2472	.2117	.1223	.3566	.2489	.1115	.1364	.1539
#1	.0494	30.30	2.229	2.312	.0565	28.60	.0559	.5537	.2224
#2	.0492	30.43	2.233	2.311	.0561	28.71	.0559	.5551	.2223
#3	.0490	30.44	2.239	2.316	.0563	28.74	.0558	.5548	.2229

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2775	29.36	29.46	27.50	.5656	.5810	F170.6	.5646	.5514
Stddev	.0005	.11	.16	.20	.0013	.0005	3.4	.0010	.0014
%RSD	.1912	.3685	.5379	.7386	.2216	.0815	2.004	.1691	.2528
#1	.2769	29.31	29.46	27.35	.5644	.5805	172.8	.5635	.5527
#2	.2776	29.28	29.31	27.42	.5669	.5809	166.6	.5652	.5514
#3	.2780	29.48	29.62	27.73	.5655	.5815	172.2	.5651	.5499

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 Value Range 25.00 20.00%

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5581	2.261	.0102	.5720	.5724	.5737	2.177	.5318	.5674
Stddev	.0020	.003	.0015	.0003	.0018	.0015	.002	.0013	.0009
%RSD	.3531	.1330	14.58	.0592	.3071	.2573	.0701	.2462	.1634
#1	.5583	2.258	.0086	.5717	.5708	.5725	2.177	.5332	.5665
#2	.5560	2.262	.0107	.5724	.5720	.5753	2.175	.5317	.5673
#3	.5600	2.263	.0115	.5718	.5743	.5733	2.178	.5306	.5683

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

7.2
7

Sample Name: MP31278-B2 Acquired: 12/6/2016 18:05:14 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2076.5	6514.5	42161.	4820.3
Stddev	2.8	4.0	140.	24.3
%RSD	.13678	.06195	.33180	.50422
#1	2073.5	6517.5	42249.	4822.6
#2	2076.9	6509.9	42000.	4843.4
#3	2079.1	6516.0	42235.	4795.0

Sample Name: CCV Acquired: 12/6/2016 18:17:33 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2598	40.48	2.046	2.065	2.009	40.37	2.050	2.050	2.038	2.031
Stddev	.0002	.10	.002	.003	.005	.11	.001	.001	.003	.010
%RSD	.0808	.2416	.1197	.1450	.2289	.2714	.0684	.0401	.1542	.5130
#1	.2600	40.37	2.048	2.068	2.004	40.24	2.049	2.050	2.035	2.020
#2	.2596	40.56	2.044	2.062	2.013	40.43	2.050	2.050	2.037	2.040
#3	.2597	40.51	2.045	2.067	2.011	40.43	2.051	2.051	2.041	2.032

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.62	42.21	40.21	2.076	2.048	42.35	2.066	2.030	2.037	2.035
Stddev	.10	.09	.18	.005	.001	.05	.001	.007	.004	.001
%RSD	.2595	.2089	.4424	.2299	.0678	.1289	.0282	.3326	.1791	.0639
#1	39.51	42.11	40.05	2.073	2.047	42.29	2.066	2.036	2.041	2.035
#2	39.71	42.24	40.18	2.074	2.047	42.35	2.067	2.023	2.035	2.035
#3	39.65	42.29	40.40	2.082	2.049	42.40	2.066	2.031	2.035	2.033

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.654	2.058	2.074	2.078	2.049	2.041	2.055
Stddev	.001	.001	.002	.004	.004	.006	.003
%RSD	.0578	.0393	.1021	.1983	.2188	.3087	.1456
#1	1.655	2.058	2.073	2.075	2.055	2.036	2.052
#2	1.654	2.057	2.077	2.077	2.047	2.048	2.058
#3	1.653	2.059	2.074	2.083	2.047	2.039	2.056

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 12/6/2016 18:17:33 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2189.0	6857.4	4389.8	5026.1
Stddev	5.7	11.7	162.	67.6
%RSD	.26021	.17070	.37001	1.3440
#1	2184.5	6868.2	43930.	5097.7
#2	2195.4	6859.1	44042.	5017.1
#3	2187.1	6844.9	43722.	4963.5

Sample Name: CCB Acquired: 12/6/2016 18:21:30 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	-0.167	.0009	.0001	.0000	-0.019	.0000	-0.001	.0001
Stddev	.0004	.0022	.0002	.0003	.0000	.0019	.0000	.0001	.0001
%RSD	134.7	13.14	24.67	476.6	108.7	103.3	68.80	65.04	188.0
#1	-0.007	-0.174	.0010	.0004	.0001	-0.034	.0000	-0.001	.0001
#2	-0.000	-0.143	.0007	-0.003	.0000	-0.025	.0001	-0.002	.0001
#3	-0.002	-0.185	.0011	.0001	.0001	.0003	.0000	-0.001	-0.001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0048	.0133	-0.052	.0000	F.0013	-0.0121	-0.002	.0004
Stddev	.0002	.0047	.0463	.0073	.0000	.0002	.0082	.0002	.0003
%RSD	112.7	99.57	347.4	141.3	1913.	17.91	68.19	120.2	79.41
#1	.0003	.0102	-0.394	.0023	.0000	.0015	-0.140	-0.002	.0002
#2	.0000	.0025	.0318	-0.122	.0000	.0013	-0.030	-0.004	.0002
#3	.0004	.0016	.0475	-0.056	.0000	.0010	-0.192	.0000	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-0.010			
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.010	.0005	-0.008	-0.001	.0000	.0002	.0007	.0001	-0.001
Stddev	.0007	.0014	.0001	.0001	.000	.0001	.0005	.0001	.0000
%RSD	74.96	301.7	17.60	184.2	66.38	29.13	72.70	88.15	24.84
#1	-0.001	.0020	-0.009	-0.001	-0.001	.0002	.0010	.0000	-0.001
#2	-0.014	-0.007	-0.008	-0.002	.0000	.0002	.0001	.0001	-0.001
#3	-0.015	.0000	-0.006	.0001	.0000	.0001	.0011	.0003	-0.002
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

7.2
7

Sample Name: CCB Acquired: 12/6/2016 18:21:30 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2571.8	7174.0	47060.	5062.8
Stddev	1.4	9.9	309.	6.7
%RSD	.05464	.13787	.65626	.13258
#1	2570.6	7179.4	46754.	5064.4
#2	2573.3	7180.0	47372.	5055.5
#3	2571.5	7162.6	47055.	5068.6

Sample Name: CCV Acquired: 12/6/2016 19:08:26 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2605	40.51	2.040	2.057	1.999	40.28	2.054	2.053	2.045
Stddev	.0008	.07	.004	.006	.004	.11	.002	.002	.004
%RSD	.3185	.1775	.2035	.3053	.1774	.2828	.0904	.0727	.1861
#1	.2609	40.60	2.036	2.063	2.003	40.40	2.056	2.054	2.042
#2	.2609	40.48	2.041	2.051	1.996	40.17	2.052	2.051	2.049
#3	.2595	40.47	2.044	2.057	1.999	40.26	2.055	2.053	2.043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.034	39.29	41.15	40.04	2.079	2.045	F31.60	2.061	2.031
Stddev	.004	.09	.13	.04	.009	.001	.35	.002	.010
%RSD	.1873	.2308	.3222	.1102	.4174	.0469	1.101	.0903	.5019
#1	2.033	39.40	41.30	40.05	2.069	2.044	31.32	2.061	2.030
#2	2.031	39.24	41.06	40.00	2.086	2.044	31.50	2.062	2.042
#3	2.038	39.25	41.09	40.08	2.081	2.046	31.99	2.059	2.022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							40.00		
Range							-10.00%		
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.031	2.037	1.658	2.063	2.075	2.078	2.046	2.047	2.059
Stddev	.002	.005	.002	.005	.002	.007	.005	.002	.002
%RSD	.0948	.2255	.1421	.2569	.0997	.3514	.2555	.0719	.0729
#1	2.031	2.042	1.658	2.069	2.077	2.070	2.047	2.046	2.061
#2	2.030	2.032	1.655	2.058	2.074	2.083	2.051	2.047	2.060
#3	2.033	2.037	1.660	2.062	2.073	2.083	2.041	2.049	2.058
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Sample Name: CCV Acquired: 12/6/2016 19:08:26 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2170.1	6796.9	43368.	4933.1
Stddev	12.4	14.2	268.	36.3
%RSD	.57041	.20897	.61747	.73519
#1	2173.4	6799.9	43638.	4909.8
#2	2156.4	6781.4	43102.	4974.9
#3	2180.4	6809.3	43364.	4914.7

Sample Name: CCB Acquired: 12/6/2016 19:12:24 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0108	.0000	.0002	.0001	.0025	.0000	.0001	.0002
Stddev	.000	.0013	.0006	.0002	.0000	.0028	.000	.0001	.0001
%RSD	1094.	12.20	1902.	85.27	59.82	114.3	1281.	162.7	31.29
#1	-.0004	-.0093	-.0002	.0002	.0000	.0028	.0000	.0001	.0002
#2	.0000	-.0117	-.0004	.0003	.0001	-.0005	-.0001	.0000	.0002
#3	.0003	-.0114	.0007	.0000	.0001	.0051	.0000	.0001	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0053	.0798	-.0058	.0001	F .0013	.5312	.0000	.0003
Stddev	.0002	.0040	.0172	.0144	.0000	.0004	.0192	.0000	.0003
%RSD	42.35	76.15	21.61	247.0	55.14	28.88	3.615	59.53	111.4
#1	.0005	.0082	.0806	.0107	.0001	.0017	.5533	.0001	.0000
#2	.0005	.0071	.0621	-.0156	.0001	.0013	.5207	.0000	.0006
#3	.0002	.0007	.0966	-.0127	.0000	.0009	.5195	.0001	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0008	.0007	-.0008	-.0001	.0001	.0002	.0006	-.0001	-.0002
Stddev	.0006	.0014	.0003	.0001	.0000	.0000	.0002	.0002	.0000
%RSD	79.53	199.4	32.58	108.9	63.13	24.53	37.13	276.1	18.27
#1	-.0005	.0020	-.0005	-.0003	.0001	.0002	.0008	.0001	-.0002
#2	-.0015	-.0008	-.0007	-.0001	.0001	.0002	.0005	-.0004	-.0002
#3	-.0004	.0009	-.0010	.0000	.0000	.0002	.0004	.0000	-.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.2
7

Sample Name: CCB Acquired: 12/6/2016 19:12:24 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2557.9	7130.3	46475.	4945.8
Stddev	4.3	10.3	316.	17.6
%RSD	.16918	.14512	.67914	.35672
#1	2553.3	7138.4	46535.	4925.8
#2	2562.0	7133.8	46134.	4959.3
#3	2558.3	7118.7	46757.	4952.3

Sample Name: CRIA Acquired: 12/6/2016 19:55:24 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0087	.2153	.0110	.2245	.0055	1.109	.0057	.0572	.0110	.0299
Stddev	.0003	.0127	.0007	.0011	.0001	.005	.0000	.0001	.0002	.0001
%RSD	3.272	5.889	5.952	.5089	2.484	.4468	.8142	.1664	1.918	.4666
#1	.0090	.2202	.0103	.2257	.0053	1.115	.0056	.0572	.0113	.0299
#2	.0087	.2009	.0113	.2234	.0055	1.107	.0057	.0571	.0109	.0300
#3	.0084	.2248	.0115	.2242	.0055	1.105	.0057	.0573	.0110	.0297

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	.3227	11.51	5.526	.0171	.0543	9.181	.0461	.0056	.0045	.0108
Stddev	.0018	.07	.017	.0001	.0002	.074	.0001	.0006	.0005	.0009
%RSD	.5509	.6356	.3078	.3804	.3840	.8017	.3080	10.64	10.73	8.342
#1	.3231	11.53	5.544	.0172	.0540	9.153	.0462	.0050	.0040	.0101
#2	.3208	11.42	5.510	.0171	.0543	9.126	.0461	.0057	.0044	.0118
#3	.3243	11.57	5.524	.0171	.0544	9.265	.0459	.0062	.0050	.0106

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0489	.0573	.0108	.0109	.0111	.0519	.0250
Stddev	.0007	.0002	.0001	.0001	.0003	.0005	.0000
%RSD	1.441	.4086	.7554	.5496	2.338	.9407	.1775
#1	.0487	.0571	.0107	.0109	.0108	.0514	.0249
#2	.0483	.0571	.0108	.0110	.0113	.0520	.0250
#3	.0497	.0575	.0109	.0109	.0113	.0523	.0250

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	2430.7	7025.8	45493.	4873.4
Stddev	2.1	18.3	100.	48.7
%RSD	.08542	.26058	.21876	.99899
#1	2431.8	7046.3	45469.	4819.1
#2	2428.3	7019.9	45408.	4913.2
#3	2432.1	7011.1	45602.	4888.0

Sample Name: CCV Acquired: 12/6/2016 19:59:30 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2616	40.77	2.044	2.074	1.996	40.25	2.057	2.057	2.037	2.040
Stddev	.0009	.12	.003	.005	.002	.02	.004	.003	.004	.008
%RSD	.3465	.2990	.1282	.2629	.0848	.0607	.2035	.1332	.2191	.3781
#1	2622	40.63	2.046	2.071	1.994	40.22	2.053	2.054	2.041	2.033
#2	2620	40.81	2.044	2.081	1.996	40.26	2.056	2.057	2.036	2.038
#3	2605	40.87	2.041	2.071	1.998	40.27	2.061	2.059	2.033	2.048

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	38.88	42.24	39.64	2.083	2.046	36.18	2.064	2.028	2.037	2.036
Stddev	.10	.13	.16	.004	.002	.13	.001	.004	.006	.001
%RSD	.2525	.3184	.3911	.1920	.1093	.3496	.0589	.2145	.2781	.0555
#1	38.77	42.09	39.57	2.079	2.043	36.06	2.064	2.032	2.031	2.036
#2	38.92	42.35	39.53	2.083	2.046	36.15	2.066	2.023	2.041	2.037
#3	38.96	42.29	39.81	2.087	2.048	36.31	2.063	2.029	2.040	2.034

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.662	2.065	2.090	2.085	2.047	2.042	2.062
Stddev	.001	.006	.002	.005	.006	.005	.003
%RSD	.0650	.2990	.1158	.2369	.2775	.2617	.1250
#1	1.661	2.060	2.088	2.079	2.050	2.048	2.060
#2	1.662	2.062	2.090	2.087	2.040	2.039	2.062
#3	1.663	2.072	2.093	2.089	2.050	2.038	2.065

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 12/6/2016 19:59:30 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2173.4	6790.5	43526.	4885.5
Stddev	5.0	2.5	38.	22.2
%RSD	.23046	.03697	.08776	.45512
#1	2167.9	6790.8	43482.	4903.7
#2	2177.7	6787.8	43551.	4860.7
#3	2174.7	6792.8	43544.	4892.0

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	38.88	42.24	39.64	2.083	2.046	36.18	2.064	2.028	2.037	2.036
Stddev	.10	.13	.16	.004	.002	.13	.001	.004	.006	.001
%RSD	.2525	.3184	.3911	.1920	.1093	.3496	.0589	.2145	.2781	.0555
#1	38.77	42.09	39.57	2.079	2.043	36.06	2.064	2.032	2.031	2.036
#2	38.92	42.35	39.53	2.083	2.046	36.15	2.066	2.023	2.041	2.037
#3	38.96	42.29	39.81	2.087	2.048	36.31	2.063	2.029	2.040	2.034

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.662	2.065	2.090	2.085	2.047	2.042	2.062
Stddev	.001	.006	.002	.005	.006	.005	.003
%RSD	.0650	.2990	.1158	.2369	.2775	.2617	.1250
#1	1.661	2.060	2.088	2.079	2.050	2.048	2.060
#2	1.662	2.062	2.090	2.087	2.040	2.039	2.062
#3	1.663	2.072	2.093	2.089	2.050	2.038	2.065

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCB Acquired: 12/6/2016 20:03:28 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.0065	-0.001	.0001	.0000	.0011	.0000	-0.001	.0000
Stddev	.0002	.0075	.0007	.0001	.0000	.0009	.000	.0001	.0002
%RSD	264.6	115.5	114.5	108.6	4617.	79.53	475.3	108.1	546.9
#1	.0000	-.0148	.0000	.0000	.0000	.0018	.0000	-0.001	.0000
#2	.0000	-.0047	-.0008	.0002	.0000	.0015	.0000	-0.002	-0.002
#3	-.0003	.0000	.0006	.0000	.0000	.0001	.0000	.0000	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0041	.0405	-.0176	.0000	F.0013	4.688	.0001	.0005
Stddev	.0002	.0022	.0280	.0236	.0000	.0004	.0110	.0001	.0002
%RSD	46.08	54.03	69.24	133.9	554.7	29.08	2.338	135.8	50.57
#1	.0005	.0050	.0723	.0090	.0000	.0016	.4694	.0001	.0005
#2	.0002	.0057	.0194	-.0260	.0000	.0013	.4794	.0001	.0002
#3	.0004	.0016	.0298	-.0358	.0000	.0009	.4575	.0000	.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0009	-0.001	-0.0009	.0002	.0000	.0002	.0006	-0.002	-0.002
Stddev	.0005	.0010	.0001	.0002	.0000	.0001	.0006	.0001	.0000
%RSD	56.54	1618.	8.128	109.0	186.7	44.52	109.9	62.49	26.83
#1	-.0007	.0011	-.0009	.0000	.0000	.0003	.0011	-0.002	-0.002
#2	-.0005	-.0005	-.0010	.0002	.0000	.0001	-.0001	-0.001	-0.002
#3	-.0015	-.0008	-.0009	.0003	.0000	.0002	.0008	-0.003	-0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 12/6/2016 20:07:43 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	F533.7	-0.009	-0.003	.0000	482.3	-0.001	.0006	-0.005
Stddev	.0005	3.5	.0013	.0002	.000	5.7	.0001	.0001	.0002
%RSD	151.7	.6555	153.4	69.41	142.9	1.189	105.1	12.48	47.05
#1	-0.010	537.6	-0.023	-0.003	-0.001	476.2	-0.002	.0007	-0.002
#2	-0.001	530.9	.0003	-0.001	.0000	483.1	-0.002	.0006	-0.005
#3	-0.002	532.6	-0.006	-0.004	.0000	487.6	.0000	.0006	-0.007
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.010	193.6	.2466	F523.6	-0.001	.0000	1.178	-0.004	.0046
Stddev	.0003	.6	.0227	1.1	.0000	.0003	.017	.0003	.0018
%RSD	32.88	.3235	9.213	.2092	52.12	7723.	1.473	73.50	40.55
#1	-0.010	193.3	.2258	522.8	-0.001	.0003	1.158	-0.007	.0028
#2	-0.013	194.3	.2432	524.8	-0.001	-0.003	1.185	-0.004	.0065
#3	-0.006	193.1	.2708	523.1	.0000	.0000	1.190	-0.001	.0043
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.010	.0004	.0019	.0025	.0015	-0.007	.0014	-0.001	-0.015
Stddev	.0010	.0036	.0008	.0004	.0006	.0002	.0017	.0004	.0001
%RSD	97.13	877.2	42.75	16.08	41.61	22.74	124.3	334.1	5.090
#1	-0.003	-0.015	.0023	.0023	.0020	-0.008	.0024	-0.006	-0.014
#2	-0.021	.0045	.0025	.0023	.0017	-0.006	-0.006	.0000	-0.015
#3	-0.007	-0.018	.0010	.0030	.0008	-0.006	.0023	.0002	-0.015
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1811.3	6202.8	38905.	4660.8					
Stddev	2.8	6.6	150.	31.1					
%RSD	.15201	.10624	.38469	.66790					
#1	1810.7	6195.6	38839.	4683.0					
#2	1808.8	6204.4	38799.	4674.2					
#3	1814.2	6208.4	39076.	4625.2					

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Sample Name: IC SAB Acquired: 12/6/2016 20:12:02 Type: Unk
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F9079	F543.1	1.199	.5482	.5056	496.0	.9909	.4958	.5232
Stddev	.0017	3.2	.004	.0023	.0024	4.4	.0007	.0006	.0019
%RSD	.1903	.5978	.3314	.4118	.4701	.8910	.0663	.1294	.3618
#1	.9061	545.0	1.199	.5496	.5030	500.2	.9901	.4951	.5251
#2	.9083	545.0	1.194	.5494	.5076	496.5	.9914	.4962	.5214
#3	.9095	539.3	1.202	.5456	.5062	491.4	.9911	.4962	.5230
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5475	190.6	.2526	F526.9	.5298	1.049	1.036	1.005	1.046
Stddev	.0007	.7	.0269	2.7	.0016	.001	.028	.001	.004
%RSD	.1357	.3764	10.63	.5194	.2947	.0626	2.731	.1162	.4330
#1	.5470	190.5	.2836	524.6	.5283	1.048	1.059	1.004	1.051
#2	.5471	191.4	.2392	529.9	.5314	1.048	1.044	1.004	1.042
#3	.5483	190.0	.2352	526.0	.5297	1.049	1.004	1.006	1.045
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.115	1.128	.0081	1.021	1.156	1.129	1.107	.4820	.9973
Stddev	.002	.001	.0001	.001	.002	.002	.004	.0015	.0004
%RSD	.1801	.1006	1.167	.1016	.1982	.1941	.3262	.3026	.0383
#1	1.112	1.129	.0080	1.020	1.153	1.127	1.109	.4835	.9969
#2	1.115	1.127	.0082	1.022	1.158	1.131	1.103	.4806	.9976
#3	1.116	1.127	.0081	1.022	1.156	1.129	1.109	.4818	.9974
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1795.3	6162.8	38573.	4578.5					
Stddev	7.9	9.1	98.	35.1					
%RSD	.44229	.14825	.25282	.76629					
#1	1790.1	6169.6	38673.	4585.0					
#2	1804.4	6166.3	38478.	4540.6					
#3	1791.3	6152.4	38566.	4609.9					

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7.2

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Sample Name: CCV Acquired: 12/6/2016 20:16:17 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2609	40.92	2.049	2.073	2.000	40.39	2.056	2.056	2.044	2.042
Stddev	.0003	.20	.002	.010	.005	.18	.004	.001	.009	.003
%RSD	.1141	.4802	.1055	.4631	.2685	.4576	.1760	.0703	.4548	.1652
#1	.2605	40.90	2.052	2.064	1.998	40.29	2.057	2.057	2.053	2.038
#2	.2611	40.74	2.048	2.070	1.995	40.27	2.052	2.054	2.045	2.043
#3	.2610	41.13	2.048	2.083	2.006	40.60	2.059	2.057	2.034	2.044
Check ?	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass
Value										
Range										
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.03	42.74	40.09	2.088	2.048	40.11	2.066	2.025	2.038	2.045
Stddev	.15	.18	.10	.002	.002	.16	.002	.003	.004	.001
%RSD	.3874	.4244	.2428	.0986	.0911	.3892	.0786	.1490	.1778	.0506
#1	39.00	42.73	40.00	2.090	2.050	40.10	2.068	2.029	2.042	2.046
#2	38.90	42.57	40.07	2.086	2.046	39.97	2.065	2.024	2.036	2.044
#3	39.20	42.93	40.20	2.087	2.049	40.28	2.066	2.023	2.036	2.044
Check ?	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass
Value										
Range										
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm			
Avg	1.665	2.062	2.100	2.087	2.046	2.047	2.062			
Stddev	.002	.004	.007	.003	.003	.005	.004			
%RSD	.1360	.1832	.3439	.1241	.1262	.2616	.2048			
#1	1.668	2.063	2.097	2.087	2.049	2.052	2.064			
#2	1.665	2.058	2.095	2.085	2.044	2.047	2.058			
#3	1.663	2.065	2.108	2.090	2.045	2.041	2.066			
Check ?	None	Chk	Pass	Chk	Pass	Chk	Pass	Chk	Pass	Chk
Value										
Range										

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Sample Name: CCV Acquired: 12/6/2016 20:16:17 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2180.3	6809.9	43419.	4816.2
Stddev	4.8	11.2	125.	25.7
%RSD	.21786	.16378	.28738	.53405
#1	2175.4	6803.2	43300.	4834.8
#2	2184.9	6822.8	43409.	4827.0
#3	2180.7	6803.8	43549.	4786.9

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Sample Name: CCB Acquired: 12/6/2016 20:20:15 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.113	.0003	.0002	.0001	.0070	.0000	-0.001	.0000
Stddev	.0002	.0058	.0004	.0001	.0001	.0022	.000	.0001	.0002
%RSD	260.5	51.62	119.9	63.96	99.28	31.60	179.9	146.4	820.5
#1	.0001	-.0118	.0000	.0002	.0002	.0064	.0000	-0.001	.0003
#2	-0.001	-.0169	.0008	.0001	.0000	.0094	.0000	.0000	-0.002
#3	-.0003	-.0052	.0003	.0004	.0000	.0051	.0000	-0.002	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0098	.0301	-.0094	.0000	F.0015	.2270	.0000	.0003
Stddev	.0002	.0017	.0141	.0181	.0000	.0004	.0040	.000	.0004
%RSD	93.51	17.83	46.86	193.3	59.03	25.20	1.774	179.7	123.5
#1	.0001	.0117	.0254	.0073	.0000	.0019	.2240	.0000	-.0001
#2	.0005	.0094	.0189	-.0068	.0000	.0015	.2253	-0.001	.0005
#3	.0001	.0083	.0459	-.0287	.0000	.0011	.2315	-0.001	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-.0010			
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0008	.0006	-.0010	.0001	.0000	.0003	.0002	.0001	-.0001
Stddev	.0010	.0017	.0001	.0001	.000	.0000	.0002	.0001	.0000
%RSD	116.1	309.2	12.30	191.0	42.12	16.07	100.8	176.7	15.86
#1	.0002	.0014	-.0009	.0002	-.0001	.0003	.0002	.0000	-.0001
#2	-.0010	.0017	-.0010	.0001	.0000	.0003	.0005	.0002	-.0001
#3	-.0017	-.0014	-.0012	-.0001	.0000	.0003	.0000	.0000	-.0002
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Sample Name: CCB Acquired: 12/6/2016 20:20:15 Type: QC
 Method: 60102007_041712(v440) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2564.6	7148.0	46628.	4893.5
Stddev	10.9	10.8	119.	35.9
%RSD	.42694	.15159	.25550	.73285
#1	2569.4	7153.4	46657.	4914.1
#2	2572.3	7155.0	46729.	4914.4
#3	2552.0	7135.5	46497.	4852.1

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	3	V	-0.009834	0.000000	No
			Fe	-0.000001	0.000000	No
			Mg	0.000002	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.035224	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	5	Fe	-0.000095	0.000000	No
			Cr	-0.000226	0.000000	No
			Mo	-0.000017	0.000000	No
			Al	0.000004	0.000000	No
			Ca	0.000002	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000018	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000115	0.000000	No
			Ti	-0.000059	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000082	0.000000	No
			Ca	0.000001	0.000000	No
			Al	-0.000001	0.000000	No
			Ti	0.000151	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.003012	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	3	Fe	0.000005	0.000000	No
			Al	0.000005	0.000000	No
			Fe	0.000009	0.000000	No
			Ca	0.000002	0.000000	No
			Fe	-0.000186	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Ca	0.000002	0.000000	No
			Mo	0.000528	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Ti	-0.000251	0.000000	No
			Al	0.000004	0.000000	No
			Mg	0.000002	0.000000	No
			Co	-0.000787	0.000000	No
			Cd	0.000240	0.000000	No
			Fe 259.940 {130}	<input checked="" type="checkbox"/>	None	
In 230.606 {446}*	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000003	0.000000	No
			Mg	0.000001	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000016	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000044	0.000000	No
			Co	-0.000054	0.000000	No
			Mo	0.000005	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000269	0.000000	No
			Ti	0.000440	0.000000	No
			Al	0.000261	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	9	Fe	-0.000006	0.000000	No
			Mo	-0.001012	0.000000	No
			Cu	0.001070	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000071	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	0.000050	0.000000	No
			Mg	0.000004	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Sb 206.833 {463}	<input checked="" type="checkbox"/>	10	Fe	0.000016	0.000000	No
			Cr	0.012140	0.000000	No
			Mo	-0.004076	0.000000	No
			V	-0.000611	0.000000	No
			Sn	-0.010736	0.000000	No
			Ti	0.000040	0.000000	No
			Ca	0.000004	0.000000	No
			Ni	-0.000438	0.000000	No
			Mg	-0.000002	0.000000	No
			Al	0.000003	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	10	Fe	0.000040	0.000000	No
			Ca	-0.000001	0.000000	No
			Mn	0.000574	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000024	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	0.000137	0.000000	No
			As	-0.000032	0.000000	No
			Be	0.000212	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.019120	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 { 83}	<input checked="" type="checkbox"/>	1	Ca	0.000101	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Ti 190.856 {477}	<input checked="" type="checkbox"/>	11	Co	0.001145	0.000000	No
			Fe	0.000009	0.000000	No
			Al	-0.000011	0.000000	No
			Ba	-0.000051	0.000000	No
			Ti	-0.002651	0.000000	No
			Sb	0.000012	0.000000	No
			Ca	0.000003	0.000000	No
			Cr	0.000230	0.000000	No
			Mg	-0.000003	0.000000	No
			Mn	0.000818	0.000000	No
			V	-0.038621	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000003	0.000000	No
			Cr	-0.002590	0.000000	No
			Mo	-0.005797	0.000000	No
			Ti	0.000364	0.000000	No
			Mn	-0.000693	0.000000	No
Y 224.306 {450}* Y 360.073 { 94}* Y 371.030 { 91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.000965	0.000000	No
			Al	0.000005	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	0.000006	0.000000	No
			As	0.001128	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	12/6/2016 8:50:42	12/6/2016 7:56:55	Linear	1/Conc	-0.001880	0.619462	0.000000	1.000000
Al 396.152 { 85}	12/6/2016 8:50:42	12/6/2016 7:56:55	Linear	1/Conc	0.003342	0.171334	0.000000	1.000000
As 189.042 {478}	12/6/2016 8:50:42	12/6/2016 7:56:55	Linear	1/Conc	-0.000640	0.203289	0.000000	1.000000
Ba 455.403 { 74}	12/6/2016 8:50:42	12/6/2016 7:56:55	Linear	1/Conc	-0.002196	11.564183	0.000000	1.000000
Be 313.042 {108}	12/6/2016 8:50:42	12/6/2016 7:56:55	Linear	1/Conc	0.000301	8.190325	0.000000	1.000000
Ca 317.933 {106}	12/6/2016 8:50:42	12/6/2016 7:56:55	Linear	1/Conc	0.006769	0.283718	0.000000	1.000000
Cd 226.502 {449}	12/6/2016 8:50:42	12/6/2016 7:56:55	Linear	1/Conc	0.000072	4.885492	0.000000	1.000000
Co 228.616 {447}	12/6/2016 8:50:42	12/6/2016 7:56:55	Linear	1/Conc	0.000091	2.339782	0.000000	1.000000
Cr 267.716 {126}	12/6/2016 8:50:42	12/6/2016 7:56:55	Linear	1/Conc	0.000328	0.459173	0.000000	1.000000
Cu 324.754 {104}	12/6/2016 8:50:42	12/6/2016 7:56:55	Linear	1/Conc	0.003148	0.663211	0.000000	1.000000
Fe 259.940 {130}	12/6/2016 8:50:42	12/6/2016 7:56:55	Linear	1/Conc	0.001214	0.162287	0.000000	1.000000
In 230.606 {446}	12/6/2016 8:50:42	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	12/6/2016 8:50:42	12/6/2016 7:56:55	Linear	1/Conc	0.005766	0.116539	0.000000	1.000000
Mg 279.079 {121}	12/6/2016 8:50:42	12/6/2016 7:56:55	Linear	1/Conc	0.000386	0.023235	0.000000	1.000000
Mn 257.610 {131}	12/6/2016 8:50:42	12/6/2016 7:56:55	Linear	1/Conc	0.000471	2.967334	0.000000	1.000000
Mo 202.030 {467}	12/6/2016 8:50:42	12/6/2016 7:56:55	Linear	1/Conc	0.000351	1.196538	0.000000	1.000000
Na 589.592 { 57}	12/6/2016 8:50:42	12/6/2016 7:56:55	Linear	1/Conc	0.038155	0.382806	0.000000	1.000000
Ni 231.604 {445}	12/6/2016 8:50:42	12/6/2016 7:56:55	Linear	1/Conc	-0.000411	1.384450	0.000000	1.000000
Pb 220.353 {453}	12/6/2016 8:50:42	12/6/2016 7:56:55	Linear	1/Conc	-0.001997	1.457507	0.000000	1.000000
Sb 206.833 {463}	12/6/2016 8:50:42	12/6/2016 7:56:55	Linear	1/Conc	0.000362	0.240366	0.000000	1.000000
Se 196.090 {472}	12/6/2016 8:50:42	12/6/2016 7:56:55	Linear	1/Conc	-0.000077	0.149198	0.000000	1.000000
Si 212.412 {459}	12/6/2016 8:50:42	12/6/2016 7:56:55	Linear	1/Conc	0.005551	0.550678	0.000000	1.000000
Sn 189.989 {477}	12/6/2016 8:50:42	12/6/2016 7:56:55	Linear	1/Conc	0.000409	0.452732	0.000000	1.000000
Sr 407.771 { 83}	12/6/2016 8:50:42	12/6/2016 7:56:55	Linear	1/Conc	-0.003713	16.316570	0.000000	1.000000
Ti 334.941 {101}	12/6/2016 8:50:42	12/6/2016 7:56:55	Linear	1/Conc	0.001163	1.992018	0.000000	1.000000
Tl 190.856 {477}	12/6/2016 8:50:42	12/6/2016 7:56:55	Linear	1/Conc	-0.003016	0.719952	0.000000	1.000000
V 292.402 {115}	12/6/2016 8:50:42	12/6/2016 7:56:55	Linear	1/Conc	-0.000405	0.593385	0.000000	1.000000
Y 224.306 {450}	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	12/6/2016 8:50:42	12/6/2016 7:56:55	Linear	1/Conc	0.001339	2.979622	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999860	0.000096	0.000398	0.001326	OK	1.000000	0.000000	1	0
Al 396.152 {85}	0.999882	0.004251	0.009342	0.031139	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999774	0.000348	0.000687	0.002289	OK	1.000000	0.000000	1	0
Ba 455.403 {74}	0.999968	0.007407	0.000194	0.000646	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999944	0.007010	0.000078	0.000259	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999775	0.009697	0.002757	0.009189	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999998	0.000874	0.000042	0.000141	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999998	0.000354	0.000096	0.000319	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999929	0.000441	0.000284	0.000947	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999796	0.001075	0.000294	0.000980	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999405	0.009018	0.002419	0.008062	OK	1.000000	0.000000	1	0
In 230.606 {446}	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 {44}	0.999927	0.002274	0.027793	0.092643	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999781	0.000784	0.020812	0.069373	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999966	0.001959	0.000043	0.000143	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999996	0.000261	0.000120	0.000401	OK	1.000000	0.000000	1	0
Na 589.592 {57}	0.999692	0.015315	0.008435	0.028116	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999995	0.000339	0.000161	0.000537	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999816	0.002261	0.000439	0.001463	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999837	0.000348	0.000928	0.003092	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999915	0.000157	0.001416	0.004720	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.992081	0.005722	0.000284	0.000945	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999876	0.000574	0.000251	0.000837	OK	1.000000	0.000000	1	0
Sr 407.771 {83}	0.999925	0.016115	0.000084	0.000279	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999987	0.000832	0.000111	0.000370	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999962	0.000489	0.000576	0.001920	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999997	0.000114	0.000286	0.000953	OK	1.000000	0.000000	1	0
Y 224.306 {450}	0.000000	0.000000	-1.000000	1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 {94}	0.000000	0.000000	-1.000000	1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 {91}	0.000000	0.000000	-1.000000	1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999989	0.001132	0.000051	0.000170	OK	1.000000	0.000000	1	0

Sample Name: Blank Acquired: 12/7/2016 9:35:11 Type: Cal
Method: 60102007_042011(v389) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0003	.0021	-0.0012	-0.0005	-0.0001	.0040	-0.0018	-0.0010	-0.0001
Stddev	.0001	.0019	.0001	.0008	.0003	.0002	.0004	.0001	.0002
%RSD	25.45	91.92	9.928	165.6	264.8	4.412	19.37	13.35	132.1
#1	.0003	.0006	-0.0013	-0.0004	-0.0001	.0039	-0.0015	-0.0010	.0000
#2	.0004	.0014	-0.0012	-0.0013	-0.0004	.0040	-0.0018	-0.0011	.0000
#3	.0003	.0043	-0.0010	.0003	.0002	.0043	-0.0022	-0.0008	-0.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0173	.0009	-0.0031	-0.0001	.0006	.0016	-0.0030	-0.0007	-0.0008
Stddev	.0002	.0002	.0004	.0001	.0001	.0001	.0021	.0002	.0004
%RSD	1.200	23.27	13.74	90.28	18.75	4.600	67.80	31.55	50.31
#1	.0174	.0010	-0.0027	-0.0001	.0006	.0015	-0.0029	-0.0006	-0.0013
#2	.0171	.0007	-0.0035	-0.0002	.0005	.0016	-0.0052	-0.0009	-0.0005
#3	.0175	.0011	-0.0032	.0000	.0007	.0016	-0.0011	-0.0005	-0.0007
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0004	-0.0002	.00059	.0007	.0001	.0014	-0.0030	-0.0014	.0012
Stddev	.0003	.0005	.0001	.0001	.0011	.0002	.0001	.0003	.0002
%RSD	77.70	300.1	1.804	17.55	1304.	11.40	3.844	22.07	13.38
#1	.0002	-0.0002	.00059	.0006	.0013	.0013	-0.0031	-0.0010	.0013
#2	.0003	.0003	.00059	.0006	-0.0001	.0016	-0.0031	-0.0015	.0012
#3	.0008	-0.0006	.00061	.0008	-0.0009	.0014	-0.0029	-0.0016	.0010
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	1968.5	4729.6	32935.	6852.2					
Stddev	2.1	1.5	54.	85.3					
%RSD	.10531	.03133	.16271	1.2448					
#1	1970.8	4728.2	32989.	6782.8					
#2	1967.5	4731.2	32936.	6947.4					
#3	1967.0	4729.5	32881.	6826.2					

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Sample Name: LowStd Acquired: 12/7/2016 9:39:37 Type: Cal
Method: 60102007_042011(v389) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0396	1.590	.0932	3.596	4.252	2.565	2.425	1.287	2.529
Stddev	.0006	.006	.0002	.006	.004	.003	.004	.002	.0006
%RSD	1.529	.3504	.2163	.1770	.0971	.0979	.1662	.1886	.2295
#1	.0394	1.584	.0930	3.591	4.250	2.563	2.427	1.289	.2535
#2	.0391	1.593	.0933	3.593	4.257	2.563	2.421	1.285	.2529
#3	.0403	1.594	.0934	3.603	4.250	2.568	2.429	1.285	.2524
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4071	1.588	7.540	2.186	1.348	4.617	2.887	7.841	4.609
Stddev	.0000	.002	.0041	.0007	.003	.0007	.007	.0018	.0007
%RSD	.0120	.1109	.5499	.2992	.2363	.1420	.2589	.2290	.1604
#1	.4071	1.589	7.528	2.182	1.346	4.618	2.893	7.841	4.617
#2	.4071	1.586	7.505	2.194	1.346	4.609	2.878	7.823	4.605
#3	.4072	1.588	7.586	2.183	1.352	4.622	2.889	7.859	4.604
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.152	.0731	.3025	2.111	6.696	8.592	1.402	3.685	1.214
Stddev	.0005	.0003	.0004	.0001	.028	.0026	.0005	.0012	.002
%RSD	.4769	.3995	.1298	.0601	.4239	.2998	.3834	.3357	.1554
#1	1.158	.0733	.3027	2.112	6.678	8.594	1.408	3.691	1.216
#2	1.148	.0727	.3020	2.110	6.682	8.617	1.401	3.671	1.212
#3	1.150	.0732	.3027	2.112	6.729	8.566	1.397	3.694	1.214
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	1961.1	4722.8	32946.	6808.0					
Stddev	3.9	7.8	64.	11.2					
%RSD	.20098	.16511	.19518	.16485					
#1	1957.0	4716.2	32877.	6797.9					
#2	1964.9	4731.4	32959.	6805.9					
#3	1961.5	4720.9	33003.	6820.1					

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7.3
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Sample Name: MidStd Acquired: 12/7/2016 9:43:11 Type: Cal
Method: 60102007_042011(v389) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1716	5.901	3.969	14.65	17.08	9.455	9.826	5.249	1.017
Stddev	.0006	.013	.0006	.03	.02	.007	.012	.006	.005
%RSD	.3379	.2125	.1612	.2238	.1217	.0772	.1210	.1086	.5293
#1	.1716	5.907	3.976	14.65	17.10	9.463	9.836	5.252	1.016
#2	.1710	5.886	3.966	14.61	17.07	9.449	9.829	5.253	1.022
#3	.1721	5.909	3.964	14.68	17.06	9.452	9.813	5.243	1.011
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.654	5.497	2.857	8.119	5.463	1.837	10.84	3.191	1.909
Stddev	.004	.002	.006	.0013	.016	.001	.03	.004	.007
%RSD	.2242	.0353	.2123	.1642	.2983	.0372	.2521	.1320	.3583
#1	1.656	5.499	2.863	8.104	5.450	1.837	10.87	3.192	1.915
#2	1.657	5.495	2.852	8.129	5.482	1.838	10.82	3.195	1.902
#3	1.650	5.498	2.854	8.124	5.458	1.836	10.84	3.186	1.911
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4847	.3046	.9761	.8344	26.12	3.388	6.012	1.436	4.908
Stddev	.0007	.0007	.0016	.0009	.05	.010	.0013	.005	.003
%RSD	.1372	.2250	.1630	.1087	.1912	.2863	.2140	.3184	.0533
#1	.4850	.3054	.9771	.8344	26.15	3.384	6.026	1.433	4.909
#2	.4852	.3042	.9768	.8335	26.06	3.399	6.001	1.441	4.910
#3	.4840	.3041	.9742	.8353	26.15	3.381	6.009	1.434	4.905
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	1883.5	4597.0	32824.	6747.0					
Stddev	1.4	3.1	52.	5.6					
%RSD	.07311	.06764	.15994	.08301					
#1	1881.9	4598.3	32848.	6752.5					
#2	1884.4	4593.4	32764.	6747.3					
#3	1884.1	4599.2	32861.	6741.3					

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Sample Name: HighStd Acquired: 12/7/2016 9:47:10 Type: Cal
Method: 60102007_042011(v389) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.349	11.70	8.034	29.19	33.61	18.54	19.53	10.57	2.019
Stddev	.0006	.05	.0028	.09	.10	.07	.04	.02	.006
%RSD	.1875	.4625	.3520	.2969	.2854	.4031	.2079	.1431	.2978
#1	3.353	11.67	8.003	29.26	33.52	18.46	19.49	10.56	2.025
#2	3.341	11.76	8.059	29.21	33.71	18.61	19.57	10.59	2.013
#3	3.351	11.66	8.040	29.09	33.60	18.54	19.52	10.56	2.018
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.404	10.87	5.671	1.607	10.65	3.701	21.45	6.388	3.911
Stddev	.001	.05	.015	.014	.02	.005	.03	.016	.007
%RSD	.0302	.4927	.2665	.8703	.2275	.1351	.1309	.2443	.1724
#1	3.403	10.84	5.654	1.597	10.62	3.695	21.43	6.377	3.907
#2	3.405	10.93	5.676	1.623	10.66	3.705	21.48	6.406	3.919
#3	3.404	10.85	5.683	1.601	10.67	3.702	21.44	6.380	3.908
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.9817	.6119	2.633	1.652	49.71	6.697	1.237	2.825	

Sample Name: HSTD Acquired: 12/7/2016 9:52:02 Type: QC
 Method: 60102007_042011(v389) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5061	80.83	4.099	4.098	4.057	80.36	4.073	4.091	4.028
Stddev	.0028	.13	.006	.004	.008	.10	.005	.004	.009
%RSD	.5583	.1555	.1553	.0924	.1885	.1300	.1242	.1039	.2189

#1	.5089	80.87	4.105	4.096	4.062	80.31	4.078	4.096	4.032
#2	.5033	80.68	4.092	4.095	4.049	80.28	4.068	4.089	4.018
#3	.5061	80.92	4.101	4.102	4.062	80.48	4.072	4.089	4.035

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.121	79.94	81.32	79.95	4.040	4.088	80.83	4.087	4.128
Stddev	.019	.10	.20	.20	.019	.007	.18	.006	.004
%RSD	.4527	.1294	.2435	.2526	.4733	.1631	.2177	.1437	.1074

#1	4.142	79.98	81.36	79.72	4.053	4.096	80.91	4.093	4.129
#2	4.106	79.82	81.10	80.07	4.018	4.085	80.63	4.082	4.131
#3	4.115	80.01	81.49	80.06	4.048	4.084	80.95	4.084	4.123

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.102	4.084	4.457	4.045	4.020	3.993	4.132	4.037	4.063
Stddev	.004	.010	.008	.007	.061	.066	.007	.012	.007
%RSD	.0931	.2482	.1735	.1836	1.506	1.645	.1784	.2972	.1726

#1	4.105	4.095	4.465	4.052	4.071	4.040	4.124	4.034	4.070
#2	4.102	4.081	4.457	4.038	4.036	3.918	4.139	4.026	4.056
#3	4.098	4.075	4.450	4.045	3.953	4.021	4.132	4.050	4.062

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 12/7/2016 9:52:02 Type: QC
 Method: 60102007_042011(v389) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1801.0	4475.1	32665.	6797.4
Stddev	2.3	4.2	171.	32.6
%RSD	.12578	.09282	.52463	.47923

#1	1803.5	4471.8	32573.	6826.4
#2	1799.1	4479.8	32863.	6803.5
#3	1800.5	4473.9	32559.	6762.1

Sample Name: ICV Acquired: 12/7/2016 9:59:55 Type: QC
 Method: 60102007_042011(v389) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2516	42.87	1.972	2.128	2.033	43.92	2.006	2.000	2.002
Stddev	.0006	.20	.004	.009	.008	.03	.002	.002	.005
%RSD	.2210	.4635	.1977	.4083	.3725	.0644	.0810	.1129	.2601

#1	.2519	43.02	1.970	2.132	2.038	43.88	2.005	1.998	2.008
#2	.2520	42.94	1.977	2.134	2.036	43.94	2.006	2.000	2.001
#3	.2510	42.65	1.970	2.118	2.024	43.93	2.008	2.003	1.998

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.977	42.60	43.05	43.82	2.022	1.933	42.44	1.995	2.001
Stddev	.007	.13	.12	.23	.006	.003	.12	.002	.006
%RSD	.3600	.3121	.2812	.5153	.2886	.1769	.2850	.1158	.2857

#1	1.978	42.62	43.13	44.01	2.027	1.931	42.52	1.993	2.007
#2	1.983	42.73	43.10	43.87	2.016	1.933	42.50	1.995	1.999
#3	1.969	42.46	42.91	43.57	2.023	1.937	42.30	1.998	1.995

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.969	2.004	1.619	2.185	1.989	1.989	2.055	1.911	2.007
Stddev	.004	.004	.0007	.001	.007	.005	.010	.003	.002
%RSD	.1929	.1999	.4279	.0213	.3729	.2676	.4891	.1530	.1192

#1	1.966	1.999	.1614	2.185	1.994	1.991	2.065	1.914	2.005
#2	1.968	2.006	.1627	2.186	1.993	1.992	2.045	1.909	2.006
#3	1.973	2.007	.1616	2.186	1.981	1.982	2.055	1.909	2.010

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 12/7/2016 9:59:55 Type: QC
 Method: 60102007_042011(v389) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1895.3	4635.6	33104.	6770.2
Stddev	4.3	11.1	15.	4.9
%RSD	.22718	.23856	.04574	.07230

#1	1892.7	4644.4	33089.	6764.9
#2	1900.3	4639.3	33120.	6771.0
#3	1893.0	4623.2	33103.	6774.6

Sample Name: ICB Acquired: 12/7/2016 10:08:07 Type: QC
 Method: 60102007_042011(v389) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.005	.0014	.0006	.0000	.0000	-0.0060	.0000	.0001	-0.0003
Stddev	.0005	.0033	.0005	.0001	.0001	.0015	.0000	.0001	.0001
%RSD	111.8	239.7	85.34	439.1	116.8	25.18	93.96	110.6	43.08
#1	-.0002	.0024	.0011	.0001	.0000	-.0046	.0000	.0001	-.0002
#2	-.0002	-.0023	.0003	-.0001	.0001	-.0058	.0000	.0000	-.0004
#3	-.0011	.0040	.0003	.0001	.0000	-.0076	.0000	.0000	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0008	.0005	.0128	.0000	.0000	.0062	-0.0001	-0.0003
Stddev	.0001	.0002	.0172	.0065	.0000	.0000	.0061	.0001	.0003
%RSD	141.8	23.92	3691.	50.82	77.77	446.8	98.79	99.97	80.41
#1	.0000	-.0009	-.0194	.0201	.0000	.0001	-.0007	.0000	-.0006
#2	.0001	-.0006	.0115	.0076	.0001	-.0001	.0082	-.0001	.0000
#3	.0002	-.0010	.0092	.0106	.0000	-.0001	.0111	-.0003	-.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	-0.0003	-0.0003	-0.0003	.0000	.0001	-0.0009	-0.0002	-0.0003
Stddev	.0007	.0011	.0005	.0001	.0000	.0000	.0007	.0002	.0000
%RSD	68.10	396.6	184.9	31.74	128.6	38.97	80.59	118.8	16.09
#1	.0008	.0009	-.0001	-.0003	-.0001	.0001	-.0015	-.0001	-.0004
#2	.0005	-.0008	-.0008	-.0002	-.0001	.0001	-.0010	-.0005	-.0003
#3	.0018	-.0009	.0001	-.0003	.0000	.0001	-.0001	.0000	-.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 12/7/2016 10:08:07 Type: QC
 Method: 60102007_042011(v389) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1967.3	4718.7	32985.	6920.7
Stddev	2.4	3.4	47.	93.6
%RSD	.12200	.07275	.14155	1.3518
#1	1970.0	4714.7	33023.	6817.1
#2	1966.7	4720.5	33000.	6946.2
#3	1965.3	4720.8	32933.	6998.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CRIA Acquired: 12/7/2016 10:15:53 Type: QC
 Method: 60102007_042011(v389) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280
Units	ppm
Avg	.0080
Stddev	.0004
%RSD	5.350
#1	.0075
#2	.0083
#3	.0082

Check ? Chk Pass
 Value Range

Int. Std.	Y_3600
Units	Cts/S
Avg	33357.
Stddev	115.
%RSD	.34600
#1	33313.
#2	33270.
#3	33488.

Sample Name: CRIA Acquired: 12/7/2016 10:26:11 Type: QC
 Method: 60102007_042011(v389) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2077	.0108	.2107	.0053	1.070	.0053	.0518	.0102	.0247
Stddev	.0013	.0003	.0005	.0000	.005	.0001	.0002	.0003	.0004
%RSD	.6446	2.743	.2222	.6323	.4890	2.072	.3928	2.720	1.597
#1	.2080	.0107	.2111	.0053	1.067	.0054	.0517	.0100	.0249
#2	.2063	.0111	.2102	.0052	1.068	.0052	.0517	.0103	.0250
#3	.2089	.0106	.2108	.0053	1.076	.0052	.0521	.0105	.0243

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3195	10.41	5.360	.0160	.0486	10.45	.0417	.0047	.0051
Stddev	.0028	.07	.024	.0000	.0003	.05	.0001	.0007	.0006
%RSD	.8691	.7171	.4448	.1777	.5357	.5106	.1903	15.70	12.16
#1	.3164	10.37	5.339	.0160	.0488	10.48	.0416	.0045	.0045
#2	.3203	10.36	5.355	.0161	.0483	10.39	.0417	.0055	.0057
#3	.3218	10.50	5.386	.0160	.0487	10.49	.0418	.0040	.0050

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0107	.0012	.0509	.0104	.0100	.0102	.0491	.0214
Stddev	.0008	.0002	.0001	.0000	.0001	.0002	.0001	.0001
%RSD	7.835	14.85	.1946	.3715	1.029	2.177	.2458	.2410
#1	.0109	.0013	.0508	.0104	.0100	.0104	.0489	.0213
#2	.0098	.0010	.0508	.0103	.0100	.0102	.0492	.0214
#3	.0114	.0013	.0510	.0104	.0098	.0100	.0492	.0214

Check ? Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 12/7/2016 10:26:11 Type: QC
 Method: 60102007_042011(v389) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1983.0	4754.9	33205.	6796.2
Stddev	3.3	4.6	68.	39.3
%RSD	.16461	.09769	.20459	.57762
#1	1981.6	4750.0	33142.	6826.4
#2	1980.7	4759.3	33197.	6810.4
#3	1986.7	4755.3	33277.	6751.8

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Sample Name: ICSA Acquired: 12/7/2016 10:32:19 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.006	508.6	.0000	.0001	-0.001	471.7	-0.003	.0007	.0000
Stddev	.0001	6.6	.002	.0002	.0000	1.5	.0001	.0000	.0004
%RSD	23.86	1.291	5697.	277.0	21.68	.3096	28.83	3.655	770.2
#1	-0.005	511.9	-0.020	.0002	-0.001	472.7	-0.004	.0007	.0005
#2	-0.008	501.1	.0009	-0.002	-0.001	472.3	-0.003	.0007	.0000
#3	-0.005	512.9	.0010	.0002	-0.001	470.0	-0.002	.0007	-0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.009	189.4	.0721	514.8	-0.007	.0005	.1565	-0.007	-0.001
Stddev	.0003	.5	.0411	2.0	.0000	.0002	.0092	.0002	.0010
%RSD	33.16	.2569	56.95	.3863	1.083	41.48	5.885	29.15	1732.
#1	-0.008	189.5	.0975	516.0	-0.007	.0007	.1560	-0.005	-0.010
#2	-0.013	189.9	.0247	515.9	-0.007	.0003	.1476	-0.009	.0000
#3	-0.008	188.9	.0942	512.5	-0.007	.0005	.1660	-0.007	.0009

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019	.0000	.0060	F .0030	-0.005	-0.009	-0.002	.0000	-0.021
Stddev	.0024	.0040	.0006	.0008	.0001	.0001	.0018	.000	.0001
%RSD	126.9	9731.	10.25	25.71	25.18	8.098	852.8	531.2	4.591
#1	.0010	.0046	.0068	.0031	-0.007	-0.009	-0.005	.0002	-0.021
#2	.0046	-0.013	.0058	.0038	-0.004	-0.010	-0.018	-0.002	-0.021
#3	.0000	-0.032	.0056	.0022	-0.005	-0.009	.0017	-0.001	-0.020

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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7.3
7

Sample Name: ICSA Acquired: 12/7/2016 10:32:19 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1733.0	4339.1	31482.	6559.5
Stddev	2.7	4.5	62.	22.5
%RSD	.15816	.10320	.19585	.34312
#1	1731.2	4344.0	31492.	6550.7
#2	1736.1	4337.9	31416.	6542.7
#3	1731.5	4335.2	31539.	6585.1

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Sample Name: IC SAB Acquired: 12/7/2016 10:37:30 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9555	500.8	1.138	.5166	.4984	470.2	.9674	.4962	.5022
Stddev	.0013	1.8	.005	.0010	.0015	4.1	.0005	.0003	.0012
%RSD	.1344	.3532	.4181	.1919	.3003	.8713	.0534	.0615	.2302
#1	.9540	501.3	1.143	.5154	.4985	465.5	.9672	.4959	.5015
#2	.9562	502.2	1.133	.5171	.4999	471.6	.9671	.4963	.5035
#3	.9563	498.8	1.138	.5172	.4969	473.4	.9680	.4965	.5015

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5553	185.5	.0763	512.5	.5004	1.036	.2073	.9921	1.005
Stddev	.0010	.5	.0366	1.8	.0011	.002	.0058	.0004	.002
%RSD	.1824	.2528	47.92	.3500	.2269	.1708	2.805	.0444	.1738
#1	.5547	185.7	.0368	512.4	.5004	1.036	.2115	.9925	1.007
#2	.5547	185.9	.1091	514.4	.5015	1.035	.2007	.9916	1.004
#3	.5565	185.0	.0830	510.8	.4992	1.038	.2097	.9922	1.005

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value
 Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.090	1.082	.0275	1.038	1.099	1.073	1.076	.4779	.9513
Stddev	.003	.003	.0017	.001	.001	.002	.006	.0014	.0007
%RSD	.2578	.2974	6.321	.1329	.1170	.1786	.5846	.2965	.0701
#1	1.093	1.086	.0292	1.036	1.101	1.071	1.083	.4779	.9508
#2	1.088	1.079	.0257	1.039	1.099	1.075	1.074	.4793	.9520
#3	1.088	1.082	.0274	1.038	1.098	1.073	1.070	.4765	.9510

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value
 Range

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Sample Name: ICSAB Acquired: 12/7/2016 10:37:30 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1714.5	4324.2	3161.2	6618.4
Stddev	1.8	2.9	52.	11.7
%RSD	.10779	.06632	.16414	.17649
#1	1712.9	4321.3	31565.	6610.0
#2	1714.0	4324.0	31603.	6613.4
#3	1716.5	4327.1	31668.	6631.7

Sample Name: CCV Acquired: 12/7/2016 10:43:47 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	2536	39.39	2.000	1.990	1.997	39.90	2.007	1.990	1.995
Stddev	0.007	.19	.001	.011	.004	.05	.002	.001	.008
%RSD	.2740	.4754	.0706	.5315	.1779	.1201	.0800	.0434	.4223
#1	.2544	39.22	2.000	1.978	1.994	39.95	2.008	1.989	1.988
#2	.2533	39.36	2.002	1.992	1.995	39.88	2.009	1.990	1.994
#3	.2532	39.59	1.999	1.998	2.001	39.86	2.006	1.990	2.004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	1.946	39.22	39.76	39.21	2.030	1.988	39.76	2.003	1.971
Stddev	.010	.10	.02	.03	.004	.000	.09	.005	.002
%RSD	.5094	.2675	.0571	.0795	.2060	.0204	.2344	.2665	.0790
#1	1.938	39.11	39.75	39.19	2.030	1.987	39.70	2.004	1.973
#2	1.957	39.22	39.74	39.19	2.025	1.988	39.71	2.007	1.970
#3	1.944	39.32	39.78	39.24	2.034	1.988	39.87	1.997	1.970

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	1.994	1.999	1.620	2.003	2.044	1.999	1.968	2.008	2.020
Stddev	.003	.004	.003	.003	.005	.006	.005	.007	.004
%RSD	.1670	.2174	.2056	.1326	.2697	.3060	.2459	.3728	.1801
#1	1.998	1.996	1.623	2.001	2.041	1.992	1.973	2.003	2.019
#2	1.993	2.004	1.622	2.003	2.040	2.003	1.968	2.004	2.024
#3	1.991	1.997	1.617	2.006	2.050	2.002	1.964	2.017	2.017

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

7.3
7

Sample Name: CCV Acquired: 12/7/2016 10:43:47 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1891.5	4596.1	32982.	6845.0
Stddev	2.6	7.5	102.	8.7
%RSD	.13608	.16213	.30980	.12706
#1	1889.0	4593.6	33095.	6842.1
#2	1894.2	4590.3	32954.	6838.1
#3	1891.4	4604.5	32897.	6854.7

Sample Name: CCB Acquired: 12/7/2016 10:55:59 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.002	-0.017	0.004	-0.001	0.000	-0.009	0.000	0.001	0.000
Stddev	.0003	.0044	.0006	.0002	.0000	.0010	.0001	.0000	.000
%RSD	183.8	264.3	159.4	299.1	18.41	106.4	108.0	27.66	1479.
#1	.0002	-0.065	-0.003	.0000	.0000	-0.008	.0001	.0001	-0.001
#2	-0.004	.0021	.0005	.0001	.0000	.0000	.0000	.0001	-0.001
#3	-0.003	-0.006	.0009	-0.002	.0000	-0.019	.0001	.0001	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	0.001	-0.004	-0.022	-0.056	0.000	-0.007	0.163	-0.001	-0.005
Stddev	.0005	.0029	.0232	.0056	.0001	.0001	.0037	.0000	.0004
%RSD	499.5	70.39	104.7	100.4	112.6	20.39	22.85	21.47	68.41
#1	-0.003	-0.068	-0.054	-0.107	.0000	-0.008	.012	-0.001	-0.002
#2	.0006	-0.045	-0.125	.0005	.0001	-0.006	.012	-0.002	-0.005
#3	.0000	-0.011	-0.048	-0.066	.0000	-0.008	.0194	-0.001	-0.009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	0.012	0.004	0.000	-0.002	-0.001	0.000	-0.003	-0.003	-0.003
Stddev	.0004	.0005	.000	.0004	.0000	.000	.0005	.0002	.0001
%RSD	36.50	145.2	362.7	256.4	66.11	475.2	142.8	77.71	30.07
#1	.0017	-0.002	-0.002	-0.006	-0.001	-0.001	-0.003	-0.003	-0.003
#2	.0008	.0004	.0001	-0.001	-0.001	-0.001	-0.008	-0.005	-0.002
#3	.0011	.0009	-0.001	.0002	.0000	.0001	.0001	-0.001	-0.004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 12/7/2016 10:55:59 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1976.7	4743.2	3280.2	6850.9
Stddev	19.1	43.3	225.	27.4
%RSD	.96458	.91247	.68667	.39963

#1	1965.3	4723.2	33020.	6865.9
#2	1966.1	4713.5	32570.	6867.6
#3	1998.7	4792.8	32816.	6819.3

Sample Name: FA39144-4 Acquired: 12/7/2016 11:02:11 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 20.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.097	-0.368	.024	.062	-0.008	333.9	.0000	.0000	.0027
Stddev	.0029	.0788	.0105	.0016	.0006	1.5	.001	.0001	.0052
%RSD	29.76	213.9	438.1	2.539	74.11	.4459	6398.	303.0	197.5

#1	-0.064	-0.793	.0145	.0616	-0.004	335.1	.0016	-0.001	.0044
#2	-0.106	.0540	-0.0036	.0639	-0.0014	332.2	-0.010	.0001	.0068
#3	-0.120	-0.853	-0.0037	.0609	-0.0004	334.4	-0.007	.0002	-0.032

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.084	28.84	3.775	201.3	.0722	-0.126	1098.	-0.014	-0.175
Stddev	.0065	.14	.647	.7	.0002	.0014	6.	.0032	.068
%RSD	77.63	.4753	17.15	.3449	.3405	10.80	.5195	225.3	38.93

#1	-0.069	28.90	4.421	202.1	.0721	-0.125	1101.	.0020	-0.209
#2	-0.156	28.68	3.126	201.1	.0724	-0.139	1092.	-0.044	-0.097
#3	-0.028	28.93	3.778	200.7	.0720	-0.112	1102.	-0.018	-0.220

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0175	-0.0233	2.451	-0.002	.1721	.0086	.0141	-0.041	.0539
Stddev	.0059	.0080	.006	.0053	.0010	.0007	.0319	.0027	.0024
%RSD	33.92	34.55	.2645	2804.	.5744	8.424	226.6	65.81	4.524

#1	.0126	-0.175	2.444	-0.005	.1723	.0094	.0496	-0.065	.0513
#2	.0241	-0.199	2.456	.0053	.1711	.0080	-0.012	-0.044	.0561
#3	.0159	-0.324	2.453	-0.054	.1730	.0084	.0046	-0.012	.0542

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	1985.3	4727.4	33734.	6828.1
Stddev	2.5	9.3	150.	18.8
%RSD	.12777	.19708	.44605	.27548

#1	1987.8	4729.5	33577.	6828.4
#2	1982.7	4717.2	33747.	6846.7
#3	1985.5	4735.5	33877.	6809.1

7.3
7

Sample Name: FA39222-15 Acquired: 12/7/2016 11:06:39 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.002	2.714	.0021	.0407	-0.0002	191.4	-0.0002	.0005	.0396
Stddev	.0006	.035	.0037	.0002	.0002	1.3	.0001	.0004	.0014
%RSD	387.0	1.303	174.7	.4592	87.98	.6749	51.32	70.60	3.575

#1	.0003	2.680	-0.0005	.0406	-0.0004	192.9	-0.0001	.0005	.0404
#2	-0.0009	2.750	.0005	.0409	-0.0001	190.4	-0.0002	.0002	.0403
#3	.0000	2.711	.0063	.0407	-0.0001	191.0	-0.0004	.0009	.0379

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0031	3.878	16.84	205.6	1.480	-0.042	306.1	.0056	-0.023
Stddev	.0024	.025	.19	1.4	.0007	.0004	.9	.0010	.0017
%RSD	78.56	.6393	1.158	.6611	.4859	10.71	.2889	18.71	72.51

#1	.0009	3.907	17.00	206.9	.1477	-0.037	307.1	.0060	-0.011
#2	.0057	3.868	16.90	204.2	.1489	-0.044	305.7	.0044	-0.016
#3	.0026	3.860	16.62	205.7	.1475	-0.044	305.4	.0063	-0.043

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0006	.0038	6.456	-0.0019	.8601	2.104	.0037	.0106	.0374
Stddev	.0049	.0021	.018	.0001	.0010	.0046	.0044	.0004	.0007
%RSD	787.9	55.99	.2843	7.034	.1186	2.209	119.3	4.015	1.753

#1	-0.0029	.0044	6.440	-0.0020	.8602	2.158	.0069	.0111	.0369
#2	.0063	.0057	6.476	-0.0019	.8611	2.074	-0.0013	.0102	.0381
#3	-0.0015	.0015	6.452	-0.0017	.8591	2.081	.0053	.0106	.0371

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	1968.6	4870.8	34462.	7113.4
Stddev	3.0	8.5	33.	59.8
%RSD	.15240	.17540	.09638	.84086

#1	1966.4	4870.1	34469.	7046.6
#2	1967.3	4862.7	34491.	7161.9
#3	1972.0	4879.7	34426.	7131.6

Sample Name: FA39222-17 Acquired: 12/7/2016 11:11:03 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.0021	4.238	.0003	-0.0005	-0.0004	1.411	-0.0003	.0001	-0.0006
Stddev	.0020	.043	.0031	.0007	.0003	.018	.0002	.0002	.0012
%RSD	93.87	1.006	1073.	141.9	66.28	1.292	61.29	207.6	191.5

#1	-0.0039	4.207	-0.0020	-0.0013	-0.0005	1.431	-0.0005	.0004	.0003
#2	-0.0025	4.287	.0038	-0.0002	-0.0001	1.405	-0.0001	-0.0001	-0.0020
#3	.0000	4.221	-0.0009	.0000	-0.0005	1.396	-0.0003	.0001	-0.002

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.015	.0592	1.357	.0450	.0027	.0121	309.8	.0001	-0.0058
Stddev	.0014	.0032	.083	.1074	.0002	.0002	.9	.0015	.0013
%RSD	97.10	5.350	6.095	238.8	6.481	1.724	.3005	1834.	22.35

#1	-0.0006	.0556	1.436	.0377	.0026	.0122	310.3	.0018	-0.049
#2	-0.0031	.0602	1.271	-0.0586	.0029	.0122	308.8	-0.0011	-0.073
#3	-0.0007	.0617	1.363	.1559	.0026	.0119	310.4	-0.0004	-0.0051

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0002	-0.0043	9.423	-0.0003	.0054	.0007	-0.0008	.0255	.0099
Stddev	.0039	.0082	.028	.0011	.0003	.0003	.0082	.0013	.0001
%RSD	1767.	191.4	.2940	395.8	5.235	40.59	1068.	5.215	1.121

#1	.0008	-0.0023	9.403	.0005	.0052	.0004	.0076	.0242	.0098
#2	-0.0046	.0027	9.412	-0.0015	.0057	.0009	-0.0088	.0256	.0100
#3	.0031	-0.132	9.455	.0002	.0053	.0009	-0.0011	.0268	.0098

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	1994.2	4777.5	33452.	6790.3
Stddev	1.4	1.1	11.	21.9
%RSD	.07175	.02262	.03365	.32295

#1	1992.9	4776.7	33453.	6767.3
#2	1994.0	4778.8	33440.	6792.6
#3	1995.7	4777.2	33463.	6811.0

Sample Name: FA39222-19 Acquired: 12/7/2016 11:15:31 Type: Unk
Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.026	3.039	0.054	0.046	-0.004	203.2	0.001	0.010	0.0413
Stddev	.0015	.042	.0019	.0008	.0003	.5	.0003	.0002	.0011
%RSD	58.49	1.369	35.17	1.812	74.89	.2310	374.0	17.01	2.594
#1	-.0042	3.046	.0035	.0407	-.0003	202.7	.0001	.0009	.0425
#2	-.0023	2.994	.0055	.0420	-.0007	203.4	-.0002	.0010	.0407
#3	-.0012	3.077	.0073	.0420	-.0001	203.6	.0004	.0012	.0407
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)
Avg	0.040	4.126	17.02	225.2	15.17	-0.041	309.6	0.060	-0.0057
Stddev	.0012	.021	.14	.9	.0012	.0004	.7	.0006	.0031
%RSD	30.26	.5186	.8364	.3908	.7668	9.836	.2136	10.31	54.36
#1	.0035	4.115	16.91	224.2	.1516	-.0037	309.2	.0056	-.0070
#2	.0030	4.113	16.97	225.9	.1506	-.0045	309.2	.0058	-.0022
#3	.0053	4.151	17.18	225.4	.1529	-.0042	310.3	.0067	-.0080
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.033	0.047	6.543	-0.009	9.233	2.218	0.065	0.100	0.360
Stddev	.0022	.0029	.011	.0014	.0043	.0005	.0060	.0013	.0003
%RSD	68.80	61.51	.1723	158.1	.4670	.2266	92.25	13.25	.9647
#1	.0040	.0014	6.545	-.0004	.9207	.2215	.0103	.0115	.0364
#2	.0007	.0065	6.531	-.0024	.9208	.2215	-.0004	.0096	.0358
#3	.0050	.0062	6.553	.0002	.9282	.2224	.0095	.0090	.0357
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1955.9	4876.3	34222	6973.4					
Stddev	2.3	11.1	40.	34.5					
%RSD	.11616	.22766	.11834	.49492					
#1	1954.5	4872.5	34268.	6993.5					
#2	1958.6	4888.8	34200.	6933.6					
#3	1954.7	4867.6	34196.	6993.2					

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Sample Name: FA39222-20 Acquired: 12/7/2016 11:19:57 Type: Unk
Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 4.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	-0.211	0.023	0.042	-0.001	27.25	-0.002	-0.001	0.014
Stddev	.0004	.0253	.0023	.0003	.0002	.10	.0001	.0003	.0006
%RSD	44.33	120.2	99.71	2.031	136.6	.3814	39.32	368.9	39.55
#1	-.0009	-.0417	.0047	.0143	-.0001	27.32	-.0002	-.0004	.0015
#2	-.0006	-.0072	.0001	.0145	-.0003	27.29	-.0001	.0002	.0008
#3	-.0015	-.0287	.0021	.0139	.0000	27.13	-.0002	-.0001	.0019
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)
Avg	-0.0017	3.309	4.554	11.32	0.075	0.073	191.5	-0.001	-0.0018
Stddev	.0009	.012	.068	.05	.0005	.0007	.4	.0003	.0028
%RSD	50.97	.3736	1.487	.4156	.5839	9.159	.2004	203.0	156.4
#1	-.0024	3.303	4.527	11.37	.0769	.0073	191.9	-.0001	.0011
#2	-.0007	3.323	4.505	11.29	.0777	.0079	191.3	.0001	-.0046
#3	-.0019	3.300	4.632	11.29	.0777	.0066	191.3	-.0004	-.0020
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.018	-0.067	3.614	-0.008	2.631	0.014	-0.029	-0.004	0.107
Stddev	.0014	.0053	.006	.0014	.0011	.0002	.0044	.0001	.0003
%RSD	76.61	79.70	.1686	175.9	.4248	15.31	154.2	14.42	2.428
#1	.0006	-.0013	3.621	-.0016	.2644	.0012	-.0014	-.0005	.0106
#2	.0034	-.0120	3.610	-.0016	.2625	.0017	-.0078	-.0004	.0110
#3	.0016	-.0068	3.610	.0008	.2624	.0014	.0006	-.0004	.0106
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1988.2	4763.3	33328	6767.9					
Stddev	7.5	6.8	95.	33.1					
%RSD	.37614	.14183	.28535	.48853					
#1	1987.8	4756.5	33337.	6742.6					
#2	1995.9	4770.0	33229.	6755.7					
#3	1981.0	4763.5	33418.	6805.3					

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7.3
7

Sample Name: FA39137-16 Acquired: 12/7/2016 11:24:25 Type: Unk
Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 250.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.093	5.950	2.028	-0.122	-0.121	8.890	0.018	-0.046	20.17
Stddev	.0684	2.240	.1475	.0292	.0096	8233	.0119	.0202	.05
%RSD	98.74	37.64	72.74	239.7	79.78	92.61	646.0	441.1	2627
#1	-.0936	8.365	.3669	-.0360	-.0010	4.894	.0147	-.0080	20.16
#2	-.1222	3.941	.0812	.0204	-.0182	3.417	-.0004	-.0279	20.22
#3	.0080	5.544	.1603	-.0209	-.0170	1.836	-.0088	.0062	20.12
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)
Avg	-1.459	-1.631	12.36	-1.731	9.188	1.177	11.290	-0.0604	-2.484
Stddev	.1222	.013	2.94	1.198	.046	.0243	.22	.0374	.0704
%RSD	83.76	.8079	23.84	69.26	.5052	20.68	.1949	61.85	28.33
#1	-.0969	-1.629	15.43	-.4404	9.227	.1201	11.290	-.0265	-.1821
#2	-.2851	-1.620	12.08	-1.215	9.137	.0923	11.280	-.1005	-.3222
#3	-.0558	-1.646	9.557	1.137	9.200	.1408	11.320	-.0542	-.2409
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.1362	-4.100	4.954	-0.863	-0.059	-0.0562	-0.0054	0.4517	5.398
Stddev	.2011	.2423	.095	.0203	.0187	.0164	.4756	.0171	.0255
%RSD	147.6	59.10	1.910	23.54	317.5	29.17	8783.	3.781	4.725
#1	.3214	-.6861	5.050	-.0893	.0157	-.0640	-.4880	.4335	5.427
#2	.1648	-.2328	4.950	-.0646	-.0160	-.0672	.0087	.4673	5.130
#3	-.0777	-.3110	4.861	-.1049	-.0173	-.0373	.4630	.4543	5.638
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1989.2	4790.0	33291.	6793.2					
Stddev	4.7	6.7	115.	47.6					
%RSD	.23870	.13913	.34689	.70076					
#1	1991.7	4786.8	33227.	6842.7					
#2	1983.7	4785.5	33424.	6789.2					
#3	1992.1	4797.6	33221.	6747.7					

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Sample Name: FA38934-1 Acquired: 12/7/2016 11:28:53 Type: Unk
Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 20.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.072	168.0	0.425	2.073	0.025	79.21	-0.024	0.039	27.34
Stddev	.0027	.3	.0145	.009	.0003	.12	.0012	.0024	.0059
%RSD	38.25	.1534	34.17	.4496	12.76	.1452	51.45	7.688	2.171
#1	-.0094	168.3	.0499	2.078	.0027	79.32	-.0035	.0308	.2674
#2	-.0041	167.8	.0258	2.062	.0021	79.21	-.0026	.0334	.2738
#3	-.0079	167.8	.0519	2.079	.0027	79.09	-.0011	.0286	.2792
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(Y_2243)
Avg	2.527	177.8	18.62	20.56	4.663	-0.088	2.738	1.622	28.69
Stddev	.009	.6	.93	.07	.005	.0045	.133	.0029	.04
%RSD	.360								

Sample Name: MP31274-D1 Acquired: 12/7/2016 11:33:15 Type: Unk
Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 20.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.073	160.8	0.322	1.916	0.024	72.30	-0.020	0.313	2.458
Stddev	.0072	.5	.0035	.012	.0004	.29	.0012	.0015	.0046
%RSD	98.67	3.207	10.84	.6066	15.42	4.054	58.58	4.829	1.885
#1	.0004	160.7	.0349	1.915	.0021	72.44	-.0010	.0299	.2467
#2	-.0083	161.3	.0334	1.906	.0028	72.50	-.0033	.0312	.2408
#3	-.0139	160.2	.0283	1.929	.0022	71.97	-.0017	.0329	.2500
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.328	167.1	17.55	19.21	4.323	-0.106	2.348	1.400	26.47
Stddev	.004	.2	.35	.03	.012	.0005	.134	.0004	.05
%RSD	.1914	.1410	2.001	.1799	.2693	4.545	5.685	.2537	.1862
#1	2.326	167.0	17.25	19.24	4.319	-.0111	2.196	.1396	26.41
#2	2.325	167.4	17.94	19.21	4.314	-.0102	2.408	.1400	26.51
#3	2.333	166.9	17.46	19.17	4.336	-.0104	2.442	.1404	26.49
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.956	-0.242	4.420	0.752	9.681	4.717	-0.029	3.906	8.784
Stddev	.0209	.0330	.021	.0050	.0015	.007	.0089	.0028	.0021
%RSD	21.87	136.3	4.744	6.616	1.539	1.464	304.7	7.277	2.407
#1	.1126	.0138	4.417	.0768	.9665	4.722	.0011	.3892	.8764
#2	.1020	-.0452	4.443	.0791	.9682	4.709	-.0132	.3938	.8806
#3	.0723	-.0413	4.401	.0696	.9695	4.720	.0032	.3887	.8781
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1970.4	4815.7	33179.	6863.5					
Stddev	1.7	4.3	52.	62.7					
%RSD	.08821	.09000	.15774	.91324					
#1	1970.1	4815.9	33214.	6854.6					
#2	1968.9	4811.3	33119.	6805.8					
#3	1972.3	4820.0	33205.	6930.2					

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Sample Name: MP31274-S1 Acquired: 12/7/2016 11:37:36 Type: Unk
Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 20.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.323	219.4	1.997	4.232	0.573	105.2	0.502	0.557	4.746
Stddev	.0126	.6	.018	.021	.0013	.2	.0005	.0010	.0037
%RSD	39.16	.2911	.9049	.5063	2.277	.1871	1.029	.1765	.7830
#1	.0220	220.1	1.976	4.210	.0585	105.4	.0496	.5568	.4720
#2	.0464	219.2	2.008	4.236	.0559	105.1	.0505	.5553	.4729
#3	.0284	218.9	2.007	4.252	.0575	105.1	.0506	.5550	.4788
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.781	204.0	44.71	48.58	5.128	4.618	28.96	6.947	28.57
Stddev	.008	.3	.86	.43	.011	.0053	.35	.0030	.04
%RSD	.3028	.1607	1.916	.8924	.2181	1.139	1.191	.4247	.1281
#1	2.790	204.0	45.64	48.47	5.120	4.577	28.76	.6937	28.61
#2	2.774	204.2	44.54	48.21	5.141	4.600	28.77	.6924	28.57
#3	2.779	203.6	43.96	49.05	5.124	4.678	29.36	.6980	28.53
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	2.486	1.975	3.809	5.749	1.603	5.073	1.997	9.092	1.551
Stddev	.0268	.029	.024	.0009	.005	.020	.015	.0056	.004
%RSD	10.77	1.462	.6197	.1643	.3274	4.019	.7458	.6107	.2618
#1	.2616	1.942	3.833	.5759	1.597	5.094	1.984	.9094	1.553
#2	.2178	1.992	3.786	.5749	1.605	5.053	1.995	.9146	1.555
#3	.2664	1.991	3.809	.5741	1.607	5.072	2.013	.9035	1.547
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1981.7	4808.4	33188.	6868.7					
Stddev	2.2	5.5	19.	66.0					
%RSD	.10894	.11448	.05715	.96112					
#1	1983.5	4811.3	33208.	6809.5					
#2	1982.3	4811.9	33170.	6939.9					
#3	1979.3	4802.1	33186.	6856.7					

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Sample Name: MP31274-S2 Acquired: 12/7/2016 11:41:56 Type: Unk
Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 20.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.398	219.4	2.062	4.281	0.598	104.7	0.514	0.577	4.864
Stddev	.0051	.0	.017	.015	.0017	.1	.0008	.0034	.0048
%RSD	12.93	.0191	.8340	.3535	2.800	0.886	1.590	.5874	.9853
#1	.0458	219.4	2.071	4.285	.0606	104.9	.0513	.5748	.4819
#2	.0368	219.5	2.042	4.264	.0579	104.7	.0506	.5814	.4860
#3	.0369	219.4	2.073	4.294	.0609	104.7	.0522	.5768	.4914
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.710	204.1	44.96	49.16	5.082	4.792	29.73	7.072	28.13
Stddev	.009	.4	.48	.67	.007	.0022	.07	.0017	.11
%RSD	.3373	.1854	1.060	1.361	.1294	.4656	.2486	.2426	.3746
#1	2.704	204.5	45.37	49.48	5.080	4.786	29.65	.7089	28.07
#2	2.706	203.8	44.44	49.60	5.090	4.816	29.77	.7074	28.07
#3	2.721	204.1	45.08	48.39	5.077	4.773	29.79	.7054	28.26
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	2.916	2.080	5.752	6.067	1.601	5.469	2.086	9.272	1.502
Stddev	.0083	.034	.038	.0111	.005	.013	.028	.0071	.002
%RSD	2.838	1.654	.6556	1.834	.3250	2.292	1.336	.7612	.1555
#1	.2914	2.062	5.790	.6023	1.602	5.483	2.057	.9309	1.504
#2	.3000	2.120	5.752	.6194	1.595	5.461	2.113	.9191	1.503
#3	.2834	2.058	5.714	.5985	1.605	5.463	2.087	.9317	1.500
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1982.2	4823.8	33310.	6883.6					
Stddev	4.5	1.7	137.	26.4					
%RSD	.22828	.03473	.41155	.38338					
#1	1985.1	4825.2	33359.	6860.5					
#2	1984.5	4824.3	33416.	6878.0					
#3	1976.9	4821.9	33155.	6912.4					

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Sample Name: CCV Acquired: 12/7/2016 11:46:16 Type: QC
Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.556	40.94	1.968	2.043	2.015	39.80	1.980	1.982	2.022
Stddev	.0015	.15	.005	.007	.006	.11	.003	.004	.001
%RSD	.5966	.3747	.2571	.3235	.2765	.2668	.1456	.1847	.0463
#1	.2570	40.97	1.966	2.044	2.016	39.79	1.977	1.979	2.023
#2	.2539	41.08	1.974	2.050	2.019	39.90	1.983	1.986	2.021
#3	.2558	40.78	1.964	2.037	2.008	39.69	1.981	1.981	2.023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.968	40.13	39.69	41.16	1.996	1.972	39.90	1.964	1.967
Stddev	.007	.10	.11	.12	.00				

Sample Name: CCV Acquired: 12/7/2016 11:46:16 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1877.8	4644.5	3291.0	6656.5
Stddev	5.4	13.0	147.	24.5
%RSD	.28732	.28068	.44617	.36783
#1	1882.3	4655.2	3285.1	6660.9
#2	1871.8	4630.0	33077.	6630.1
#3	1879.3	4648.4	3280.1	6678.5

Sample Name: CCB Acquired: 12/7/2016 11:50:27 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.004	.0088	.0006	.0004	.0004	.0056	.0002	.0002	.0004
Stddev	.0003	.0028	.0005	.0002	.0001	.0008	.0001	.0001	.0001
%RSD	62.17	31.41	74.46	40.43	29.74	15.10	31.40	55.56	19.24
#1	-0.001	.0111	.0010	.0006	.0005	.0062	.0003	.0002	.0004
#2	-0.004	.0057	.0007	.0003	.0005	.0046	.0002	.0004	.0003
#3	-0.007	.0095	.0001	.0004	.0003	.0059	.0002	.0002	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-0.001	.0068	-0.122	.0161	.0004	.0007	.0187	.0000	-0.008
Stddev	.0003	.0007	.0233	.0072	.0000	.0004	.0118	.0001	.0004
%RSD	409.2	10.52	190.4	44.77	11.05	52.44	62.99	195.1	55.97
#1	.0000	.0074	.0092	.0232	.0004	.0012	.0315	.0000	-0.010
#2	-0.005	.0070	-0.370	.0088	.0003	.0006	.0083	.0001	-0.011
#3	.0002	.0060	-0.089	.0164	.0004	.0004	.0165	.0000	-0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0001	-0.008	.0001	.0002	.0003	.0004	-0.013	.0003	.0000
Stddev	.0011	.0018	.0004	.0002	.0001	.0001	.0010	.0001	.0001
%RSD	194.3	222.8	391.5	107.6	45.69	35.49	81.42	48.51	592.0
#1	.0004	.0011	.0006	.0002	.0005	.0004	-0.017	.0002	.0001
#2	-0.012	-0.025	-0.002	.0003	.0002	.0005	-0.001	.0002	.0000
#3	.0010	-0.010	.0000	.0000	.0002	.0003	-0.021	.0004	-0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.3
7

Sample Name: CCB Acquired: 12/7/2016 11:50:27 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1958.3	4772.2	3286.1	6755.1
Stddev	15.6	41.5	111.	34.5
%RSD	.79586	.86959	.33643	.51094
#1	1967.1	4788.4	3285.0	6719.9
#2	1940.3	4725.0	32977.	6756.5
#3	1967.5	4803.1	32757.	6788.9

Sample Name: MP31274-PS1 Acquired: 12/7/2016 11:54:56 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 20.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_3710)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	.0487	168.5	1569	2.350	.0630	83.16	.0556	.0890	.3110
Stddev	.0044	.5	.0077	.010	.0018	.19	.0010	.0007	.0012
%RSD	9.069	.3010	4.889	4.195	2.823	2.342	1.724	.7615	.3934
#1	.0521	168.3	1482	2.345	.0609	83.25	.0557	.0895	.3096
#2	.0437	168.2	1601	2.343	.0643	82.93	.0565	.0893	.3115
#3	.0503	169.1	1625	2.361	.0636	83.29	.0546	.0882	.3118

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	2.575	177.4	29.25	26.41	4.614	1.084	13.82	2637	28.19
Stddev	.009	1.1	.60	.67	.006	.0045	.13	.0039	.13
%RSD	.3340	.6094	2.061	2.536	.1312	4.183	.9632	1.476	.4527
#1	2.574	176.7	29.93	25.86	4.621	1.133	13.75	.2675	28.24
#2	2.583	176.8	29.02	26.22	4.609	1.075	13.73	.2638	28.04
#3	2.566	178.6	28.79	27.16	4.612	1.044	13.97	.2597	28.28

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.2252	.0839	5.277	.1307	1.097	5.052	.0917	.4679	1.451
Stddev	.0192	.0303	.014	.0024	.003	.024	.0114	.0062	.007
%RSD	8.527	36.15	.2711	1.861	.2671	.4739	12.44	1.321	.4650
#1	.2406	.1167	5.288	.1303	1.096	5.036	.0796	.4741	1.457
#2	.2037	.0569	5.260	.1284	1.095	5.080	.1022	.4679	1.444
#3	.2313	.0782	5.281	.1333	1.100	5.041	.0932	.4617	1.451

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	1992.8	4872.8	3348.4	6894.5
Stddev	5.7	7.1	81.	72.7
%RSD	.28665	.14535	.24075	1.0543
#1	1991.6	4865.2	3339.3	6891.6
#2	1999.0	4879.2	3354.8	6968.6
#3	1987.8	4874.0	3351.1	6823.3

Sample Name: MP31283-MB1 Acquired: 12/7/2016 12:12:26 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1938.6	4731.9	3291.6	6878.5
Stddev	4.7	6.7	64.	13.8
%RSD	.24159	.14239	.19544	.20033
#1	1933.2	4735.8	32888.	6863.9
#2	1941.5	4724.2	32990.	6880.5
#3	1941.2	4735.9	32870.	6891.2

Sample Name: MP31283-B1 Acquired: 12/7/2016 12:16:58 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0458	29.17	2.016	2.228	.0545	26.63	.0517	.5212	.2111
Stddev	.0006	.07	.001	.003	.0003	.07	.0001	.0004	.0011
%RSD	1.350	.2515	.0331	.1184	.5666	.2653	.1985	.0799	.5106
#1	.0463	29.14	2.016	2.231	.0545	26.63	.0518	.5215	.2107
#2	.0460	29.26	2.017	2.225	.0548	26.70	.0515	.5207	.2103
#3	.0451	29.12	2.015	2.227	.0542	26.56	.0517	.5214	.2123

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.2652	28.19	26.36	26.85	.5300	.5342	26.35	.5183	.5078
Stddev	.0006	.11	.01	.19	.0023	.0008	.03	.0003	.0017
%RSD	.2364	.3982	.0217	.7154	.4382	.1569	.0975	.0492	.3443
#1	.2645	28.11	26.35	26.81	.5288	.5333	26.37	.5185	.5078
#2	.2658	28.31	26.36	27.05	.5286	.5342	26.35	.5180	.5096
#3	.2653	28.13	26.36	26.67	.5327	.5350	26.32	.5184	.5061

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.5087	2.017	.0114	.5362	.5418	.5221	2.015	.4991	.5104
Stddev	.0020	.008	.0003	.0010	.0012	.0011	.003	.0023	.0005
%RSD	.3904	.3847	2.728	.1820	.2172	.2014	.1667	.4611	.1076
#1	.5109	2.025	.0113	.5352	.5424	.5211	2.015	.4966	.5108
#2	.5070	2.016	.0117	.5362	.5425	.5222	2.012	.5012	.5098
#3	.5083	2.010	.0111	.5371	.5404	.5232	2.019	.4995	.5106

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

7.3
7

Sample Name: MP31283-B1 Acquired: 12/7/2016 12:16:58 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1914.6	4684.8	33069.	6782.2
Stddev	5.3	3.8	76.	26.2
%RSD	.27708	.08090	.22962	.38591
#1	1908.9	4680.6	33144.	6766.7
#2	1915.6	4687.9	33071.	6767.5
#3	1919.4	4685.9	32992.	6812.4

Sample Name: FA39222-6F Acquired: 12/7/2016 12:21:11 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-.0004	.0071	-.0004	.0362	.0000	3.051	-.0001	-.0001	.0006
Stddev	.0003	.0046	.0006	.0002	.000	.011	.0001	.0001	.0003
%RSD	82.00	64.43	145.0	.4418	159.4	.3464	120.4	124.7	44.53
#1	-.0008	.0020	-.0010	.0364	-.0001	3.060	.0000	-.0002	.0008
#2	-.0002	.0108	.0002	.0361	.0000	3.055	.0000	-.0001	.0003
#3	-.0002	.0085	-.0005	.0361	.0000	3.039	-.0002	.0000	.0008

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	-.0005	.0092	1.751	1.768	.0308	-.0004	11.97	-.0001	-.0019
Stddev	.0002	.0028	.012	.005	.0001	.0002	.03	.0001	.0002
%RSD	32.79	31.06	.6547	.2833	.2534	38.50	.2849	162.4	9.181
#1	-.0007	.0122	1.764	1.765	.0309	-.0002	11.98	.0001	-.0018
#2	-.0003	.0087	1.743	1.774	.0309	-.0005	12.00	-.0001	-.0018
#3	-.0006	.0066	1.745	1.765	.0308	-.0005	11.93	-.0001	-.0021

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.0013	.0010	2.181	.0005	.0269	.0003	-.0020	.0002	.0027
Stddev	.0009	.0010	.004	.0002	.0001	.0001	.0015	.0001	.0000
%RSD	73.60	92.83	.1898	50.98	.2895	25.43	74.15	27.67	1.715
#1	.0022	.0001	2.183	.0007	.0268	.0004	-.0031	.0002	.0026
#2	.0003	.0010	2.176	.0005	.0269	.0003	-.0003	.0002	.0027
#3	.0013	.0020	2.183	.0002	.0269	.0003	-.0028	.0003	.0027

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1963.7	4741.1	33035.	6836.2
Stddev	3.1	9.4	24.	33.3
%RSD	.15566	.19910	.07117	.48655
#1	1960.3	4730.9	33043.	6830.7
#2	1964.8	4749.5	33009.	6806.1
#3	1966.1	4742.8	33054.	6871.9

Sample Name: MP31283-D1 Acquired: 12/7/2016 12:25:39 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	0.004	0.000	0.0355	0.000	3.014	0.000	-0.001	0.003
Stddev	0.0005	0.0054	0.001	0.0002	0.000	0.004	0.000	0.0000	0.0001
%RSD	108.7	1389.	1702.	0.5019	134.6	0.1450	112.8	61.96	31.37
#1	-0.010	-0.0056	0.007	0.0354	-0.0011	3.019	0.000	-0.001	0.003
#2	-0.004	0.0019	-0.009	0.0357	0.000	3.012	0.000	0.000	0.003
#3	0.000	0.0049	0.000	0.0353	-0.001	3.011	0.000	0.000	0.004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	-0.008	-0.012	1.714	1.755	0.036	-0.007	11.86	-0.001	-0.014
Stddev	0.003	0.015	0.040	0.039	0.002	0.001	0.04	0.001	0.006
%RSD	35.10	121.8	2.353	2.200	0.8049	12.06	0.3546	82.44	43.02
#1	-0.011	0.005	1.716	1.714	0.036	-0.008	11.89	0.000	-0.020
#2	-0.006	-0.023	1.673	1.791	0.033	-0.006	11.81	-0.002	-0.013
#3	-0.006	-0.019	1.753	1.759	0.038	-0.008	11.88	-0.002	-0.008
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.014	0.014	2.166	0.003	0.0266	0.000	-0.011	0.002	0.021
Stddev	0.006	0.011	0.001	0.003	0.000	0.001	0.014	0.003	0.000
%RSD	43.70	82.22	0.0560	93.08	0.1294	275.6	125.8	165.7	2.166
#1	0.007	0.021	2.165	0.005	0.0266	0.001	0.003	0.003	0.021
#2	0.017	0.001	2.168	0.004	0.0267	0.000	-0.011	0.003	0.021
#3	0.019	0.020	2.166	0.000	0.0267	0.000	-0.024	-0.002	0.020
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1963.2	4747.1	33106.	6853.0					
Stddev	4.9	.5	52.	5.6					
%RSD	0.24913	0.01152	0.15658	0.08119					
#1	1958.2	4746.6	33113.	6854.4					
#2	1967.9	4746.9	33051.	6846.8					
#3	1963.3	4747.7	33154.	6857.7					

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Sample Name: MP31283-SD1 Acquired: 12/7/2016 12:30:05 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.014	-0.0292	0.0033	0.0322	-0.0003	2.760	-0.0003	0.002	0.002
Stddev	0.0017	0.0074	0.0035	0.0006	0.0002	0.022	0.0001	0.0005	0.0012
%RSD	124.0	25.35	105.6	1.879	54.11	0.8013	38.63	215.9	582.8
#1	-0.033	-0.207	0.061	0.0316	-0.0006	2.742	-0.0003	0.0006	0.013
#2	-0.010	-0.0338	0.044	0.0322	-0.0003	2.752	-0.0003	-0.0004	0.004
#3	0.001	-0.0331	-0.0006	0.0328	-0.0002	2.785	-0.0001	0.0005	-0.010
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	-0.0054	-0.0263	1.483	1.594	0.0280	-0.0038	11.04	-0.0007	-0.065
Stddev	0.003	0.070	0.056	0.071	0.003	0.003	0.06	0.004	0.054
%RSD	5.235	26.78	3.742	4.487	0.9748	8.689	0.5017	53.31	84.01
#1	-0.052	-0.297	1.544	1.573	0.0283	-0.0038	11.02	-0.004	-0.121
#2	-0.057	-0.182	1.435	1.535	0.0280	-0.0034	11.00	-0.005	-0.060
#3	-0.054	-0.310	1.471	1.673	0.0277	-0.0040	11.10	-0.011	-0.013
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.007	-0.0028	1.990	0.009	0.0241	-0.0010	-0.0039	0.0005	0.0185
Stddev	0.034	0.058	0.005	0.007	0.001	0.005	0.068	0.010	0.002
%RSD	490.9	205.1	0.2695	84.97	0.5012	51.20	174.1	195.8	1.242
#1	-0.028	0.023	1.994	0.015	0.0241	-0.0008	-0.0046	-0.0005	0.0183
#2	0.040	-0.016	1.984	0.010	0.0240	-0.0016	-0.0104	0.0006	0.0183
#3	0.008	-0.091	1.992	0.001	0.0242	-0.0007	0.0032	0.0015	0.0187
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1973.2	4807.0	33288.	6808.9					
Stddev	4.6	4.1	98.	8.9					
%RSD	0.23199	0.08497	0.29447	0.13009					
#1	1971.1	4806.5	33247.	6804.4					
#2	1970.1	4811.3	33400.	6803.2					
#3	1978.5	4803.2	33218.	6819.1					

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7.3
7

Sample Name: MP31283-PS1 Acquired: 12/7/2016 12:34:35 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0452	2.735	1.021	3.189	0.0540	8.371	0.0523	0.0525	0.0541
Stddev	0.003	0.015	0.007	0.012	0.001	0.021	0.001	0.002	0.002
%RSD	0.5769	0.5328	0.6874	0.3704	0.1967	0.2466	0.1287	0.3070	0.3091
#1	0.0450	2.718	1.016	3.196	0.0541	8.393	0.0523	0.0524	0.0542
#2	0.0452	2.740	1.029	3.196	0.0539	8.367	0.0522	0.0524	0.0539
#3	0.0455	2.746	1.017	3.175	0.0540	8.353	0.0522	0.0527	0.0542
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.1056	3.300	1.195	7.189	0.0833	10.40	21.98	10.27	0.0491
Stddev	0.000	0.004	0.007	0.023	0.003	0.004	0.07	0.003	0.006
%RSD	0.0135	0.1257	0.5613	0.3151	0.3466	0.4047	0.3162	0.2738	1.157
#1	0.1056	3.305	1.193	7.164	0.0833	10.37	22.04	10.29	0.0497
#2	0.1056	3.297	1.203	7.194	0.0830	10.38	21.98	10.24	0.0485
#3	0.1056	3.298	1.190	7.208	0.0836	10.44	21.90	10.30	0.0492
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0.1074	0.0987	2.154	0.0508	0.0787	10.43	0.0954	0.0506	0.2666
Stddev	0.011	0.009	0.007	0.005	0.001	0.007	0.021	0.009	0.009
%RSD	1.007	0.8644	0.3482	0.9627	0.1397	0.6913	2.172	1.691	0.3241
#1	0.1078	0.0979	2.159	0.0512	0.0787	10.41	0.0968	0.0500	0.2675
#2	0.1082	0.0985	2.145	0.0502	0.0789	10.37	0.0930	0.0501	0.2658
#3	0.1061	0.0996	2.158	0.0508	0.0787	10.51	0.0963	0.0515	0.2665
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1950.3	4750.6	33103.	6814.4					
Stddev	5.5	17.0	173.	27.9					
%RSD	0.28173	0.35766	0.52313	0.40917					
#1	1944.0	4737.2	33139.	6793.6					
#2	1954.2	4769.7	33255.	6803.5					
#3	1952.8	4744.8	32915.	6846.1					

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Sample Name: CCV Acquired: 12/7/2016 12:38:53 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.555	40.55	1.941	2.055	1.999	39.63	1.969	1.980	1.998
Stddev	0.004	0.03	0.004	0.007	0.005	0.16	0.002	0.001	0.003
%RSD	0.1445	0.0752	0.2324	0.3303	0.2657	0.4161	0.0885	0.0364	0.1499
#1	2.559	40.54	1.938	2.062	2.005	39.81	1.967	1.979	1.996
#2	2.552	40.59	1.946	2.048	1.998	39.50	1.971	1.981	1.997
#3	2.554	40.53	1.938	2.056	1.994	39.58	1.968	1.980	

Sample Name: CCV Acquired: 12/7/2016 12:38:53 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1898.5	4689.5	3310.1	6686.3
Stddev	5.8	12.7	127.	40.0
%RSD	.30478	.27174	.38321	.59895
#1	1905.1	4702.4	33125.	6641.0
#2	1894.3	4676.9	33214.	6716.9
#3	1896.2	4689.3	32964.	6701.1

Sample Name: CCB Acquired: 12/7/2016 12:43:03 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	-0.003	.0068	.0011	.0002	.0003	.0044	.0002	.0002	.0002
Stddev	.0001	.0039	.0002	.0003	.0001	.0024	.0001	.0001	.0002
%RSD	42.63	56.94	14.93	108.1	22.73	55.13	38.13	36.21	92.68
#1	-0.004	.0089	.0012	.0005	.0003	.0070	.0002	.0003	.0003
#2	-0.002	.0092	.0010	.0003	.0003	.0038	.0001	.0003	.0000
#3	-0.004	.0023	.0009	.0000	.0002	.0023	.0002	.0002	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-0.008	.0042	.0056	.0046	.0003	.0007	.0104	.0001	-0.009
Stddev	.0006	.0031	.0259	.0082	.0000	.0004	.0042	.0001	.0008
%RSD	70.23	74.25	460.6	179.5	6.662	52.60	39.87	37.00	95.84
#1	-0.004	.0077	.0312	.0123	.0003	.0011	.0152	.0001	-0.016
#2	-0.005	.0028	-.0206	-.0041	.0003	.0007	.0081	.0001	.0000
#3	-0.014	.0020	.0063	.0055	.0003	.0004	.0080	.0001	-0.010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0004	-0.0011	.0006	.0001	.0003	.0003	.0008	.0003	.0000
Stddev	.0002	.0010	.0003	.0002	.0001	.0001	.0014	.0003	.0000
%RSD	42.51	94.11	53.57	193.2	43.16	18.39	167.8	98.45	127.4
#1	.0005	-0.009	.0008	-.0001	.0004	.0004	.0017	.0001	.0000
#2	.0005	-0.021	.0002	.0004	.0002	.0003	.0015	.0001	.0000
#3	.0002	-0.001	.0007	.0001	.0002	.0004	-.0008	.0006	-.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.3
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Sample Name: CCB Acquired: 12/7/2016 12:43:03 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1969.4	4813.8	33187.	6792.2
Stddev	6.5	13.8	171.	22.4
%RSD	.33088	.28692	.51587	.32919
#1	1962.4	4798.3	33095.	6800.1
#2	1975.3	4824.7	33081.	6809.5
#3	1970.5	4818.4	33384.	6766.9

Sample Name: MP31283-S1 Acquired: 12/7/2016 12:47:32 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	.0462	29.27	2.016	2.260	.0550	29.59	.0515	.5180	.2129
Stddev	.0010	.18	.004	.010	.0002	.08	.0000	.0013	.0001
%RSD	2.203	.6093	.2245	.4334	.4002	.2698	.0433	.2456	.0526
#1	.0451	29.12	2.011	2.251	.0549	29.52	.0514	.5174	.2128
#2	.0464	29.47	2.019	2.270	.0553	29.67	.0515	.5171	.2130
#3	.0471	29.23	2.019	2.257	.0549	29.56	.0515	.5194	.2129

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.2666	28.20	28.12	28.76	.5581	.5329	38.07	.5150	.5082
Stddev	.0007	.07	.15	.16	.0012	.0010	.19	.0013	.0004
%RSD	.2679	.2487	.5398	.5640	.2178	.1963	.4887	.2549	.0784
#1	.2658	28.14	27.96	28.60	.5584	.5319	37.86	.5135	.5084
#2	.2667	28.28	28.26	28.92	.5591	.5329	38.21	.5159	.5078
#3	.2672	28.19	28.15	28.75	.5567	.5340	38.14	.5155	.5085

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.5096	2.017	2.233	.5362	.5706	.5256	2.017	.4985	.5106
Stddev	.0031	.009	.005	.0004	.0026	.0011	.005	.0019	.0012
%RSD	.6166	.4517	.2308	.0761	.4573	.2018	.2649	.3875	.2259
#1	.5089	2.010	2.228	.5366	.5677	.5244	2.023	.4964	.5112
#2	.5131	2.014	2.237	.5358	.5729	.5259	2.014	.5001	.5113
#3	.5069	2.028	2.236	.5362	.5712	.5264	2.013	.4991	.5092

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	1914.7	4703.2	32822.	6712.9
Stddev	2.1	12.0	31.	55.2
%RSD	.11005	.25536	.09520	.82303
#1	1913.4	4714.9	32858.	6769.4
#2	1917.2	4703.6	32801.	6659.0
#3	1913.6	4690.9	32807.	6710.1

Sample Name: MP31283-S2 Acquired: 12/7/2016 12:51:44 Type: Unk
Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 4 columns: Int. Std., Avg, Stddev, %RSD. Rows include Y_2243, Y_3600, Y_3710 and sample results #1, #2, #3.

Table with 4 columns: Int. Std., Avg, Stddev, %RSD. Rows include Y_2243, Y_3600, Y_3710 and sample results #1, #2, #3.

Sample Name: FA39222-1F Acquired: 12/7/2016 12:55:56 Type: Unk
Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 4 columns: Int. Std., Avg, Stddev, %RSD. Rows include Y_2243, Y_3600, Y_3710 and sample results #1, #2, #3.

Table with 4 columns: Int. Std., Avg, Stddev, %RSD. Rows include Y_2243, Y_3600, Y_3710 and sample results #1, #2, #3.

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Sample Name: FA39222-3F Acquired: 12/7/2016 13:00:24 Type: Unk
Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 4 columns: Int. Std., Avg, Stddev, %RSD. Rows include Y_2243, Y_3600, Y_3710 and sample results #1, #2, #3.

Table with 4 columns: Int. Std., Avg, Stddev, %RSD. Rows include Y_2243, Y_3600, Y_3710 and sample results #1, #2, #3.

Sample Name: FA39222-11F Acquired: 12/7/2016 13:04:59 Type: Unk
Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 10 columns: Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 10 columns: Elem, Cu3247, Fe2599, K_7664, Mg2790, Mn2576, Mo2020, Na5895, Ni2316, Pb2203. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 10 columns: Elem, Sb2068, Se1960, Si2124, Sn1899, Sr4077, Ti3349, Tl1908, V_2924, Zn2062. Rows include IS Ref, Avg, Stddev, %RSD and sample results #1, #2, #3.

Table with 4 columns: Int. Std., Avg, Stddev, %RSD. Rows include Y_2243, Y_3600, Y_3710 and sample results #1, #2, #3.

Table with 4 columns: Int. Std., Avg, Stddev, %RSD. Rows include Y_2243, Y_3600, Y_3710 and sample results #1, #2, #3.

Sample Name: FA39222-21F Acquired: 12/7/2016 13:09:33 Type: Unk
Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	.0035	9.311	.0416	.0013	-0.0003	3.092	.0000	.0002
Stddev	.0005	.058	.0011	.0002	.0000	.006	.0001	.0001
%RSD	14.55	.6243	2.766	11.91	5.371	.1923	2893.	35.61
#1	.0039	9.292	.0428	.0012	-0.0003	3.087	-0.001	.0002
#2	.0029	9.265	.0405	.0014	-0.0003	3.099	.0001	.0001
#3	.0036	9.376	.0414	.0015	-0.0004	3.091	.0000	.0003
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	F 10.02	.0006	-0.0024	28.02	.0003	F 4.575	.0201	F 1892.
Stddev	.03	.0002	.0013	.10	.0108	.024	.0001	.10
%RSD	.2758	33.32	54.65	.3504	4088.	.5156	.2617	.5302
#1	9.991	.0008	-.0021	27.92	-.0103	4.550	.0201	1903.
#2	10.05	.0007	-.0039	28.02	.0113	4.597	.0201	1888.
#3	10.02	.0004	-.0013	28.12	-.0002	4.578	.0200	1884.
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	-0.0009	-0.0003	F -.0357	.0149	17.05	-0.0032	.0235	.0033
Stddev	.0003	.0002	.0010	.0012	.04	.0004	.0001	.0001
%RSD	28.38	48.45	2.822	8.306	.2224	12.59	4.051	2.943
#1	-.0010	-.0004	-.0368	.0135	17.09	-.0027	.0234	.0034
#2	-.0006	-.0002	-.0356	.0156	17.02	-.0035	.0234	.0032
#3	-.0011	-.0005	-.0348	.0156	17.05	-.0033	.0236	.0033
Elem	Ti1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	.0012	1.464	.0033					
Stddev	.0008	.002	.0000					
%RSD	65.67	.1046	.8353					
#1	.0021	1.466	.0033					
#2	.0008	1.464	.0033					
#3	.0007	1.462	.0033					

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Sample Name: FA39222-21F Acquired: 12/7/2016 13:09:33 Type: Unk
Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1475.9	3729.8	28857.	6064.2
Stddev	2.1	3.7	81.	24.1
%RSD	.14200	.09879	.28006	.39683
#1	1477.1	3727.0	28875.	6087.2
#2	1477.1	3728.4	28769.	6066.3
#3	1473.5	3734.0	28928.	6039.2

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Sample Name: FA39222-3 Acquired: 12/7/2016 13:14:17 Type: Unk
Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0009	15.42	.0107	.0276	-0.0001	1.271	.0000	.0002	.7508
Stddev	.0001	.09	.0005	.0003	.0001	.006	.000	.0001	.0034
%RSD	11.55	.6043	4.944	1.063	58.75	.4687	72.59	48.52	.4560
#1	.0008	15.48	.0112	.0276	-.0001	1.269	-.0001	.0001	.7471
#2	.0009	15.45	.0102	.0279	-.0002	1.266	.0000	.0002	.7517
#3	.0010	15.31	.0108	.0273	-.0001	1.277	.0000	.0002	.7537
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0013	2.682	5.443	1.652	1.770	-0.0003	F 1105.	.0143	-0.0005
Stddev	.0006	.005	.059	.020	.003	.0000	9.	.0002	.0007
%RSD	47.97	.2011	1.080	1.177	.1694	2.660	.7952	1.216	157.5
#1	.0009	2.688	5.448	1.635	1.767	-.0003	1103.	.0142	-.0009
#2	.0020	2.681	5.499	1.647	1.771	-.0003	1097.	.0141	-.0009
#3	.0009	2.677	5.381	1.673	1.773	-.0003	1114.	.0145	.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0017	.0013	27.86	-0.0001	.0132	.0973	.0003	.6018	.0127
Stddev	.0010	.0005	.06	.0003	.0001	.0048	.0006	.0004	.0001
%RSD	56.95	40.26	.2322	468.2	1.093	4.930	210.6	.0630	.8076
#1	-.0014	.0017	27.83	.0001	.0131	.1014	.0010	.6014	.0126
#2	-.0028	.0007	27.81	-.0005	.0131	.0986	-.0001	.6020	.0128
#3	-.0009	.0015	27.93	.0001	.0134	.0920	-.0001	.6020	.0127
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1740.2	4491.4	32176.	6374.2					
Stddev	1.5	5.1	122.	11.0					
%RSD	.08571	.11345	.37943	.17324					
#1	1739.7	4493.8	32131.	6380.5					
#2	1741.9	4494.9	32084.	6380.7					
#3	1739.0	4485.6	32315.	6361.5					

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Sample Name: FA39222-18 Acquired: 12/7/2016 13:18:48 Type: Unk
Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0042	54.34	.0086	.0010	-0.0005	.1178	-0.0001	.0000	.9466
Stddev	.0003	.09	.0004	.0001	.0000	.0042	.0000	.000	.0012
%RSD	6.414	.1641	5.033	13.85	9.160	3.593	41.20	307.8	.1282
#1	.0042	54.30	.0082	.0012	-.0006	.1224	-.0001	.0000	.9473
#2	.0044	54.27	.0087	.0009	-.0005	.1168	-.0000	.0000	.9452
#3	.0039	54.44	.0091	.0009	-.0005	.1141	-.0001	-.0001	.9472
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0011	.1145	13.47	.0056	.0028	2.852	F 1300.	.0017	.0009
Stddev	.0004	.0063	.04	.0122	.0000	.0004	16.	.0001	.0013
%RSD	33.65	5.486	.2929	215.2	.4675	.1389	1.269	7.250	145.3
#1	.0013	.1122	13.49	.0149	.0028	2.857	1288.	.0018	-.0004
#2	.0012	.1098	13.49	.0102	.0028	2.850	1293.	.0017	.0008
#3	.0007	.1217	13.42	-.0081	.0028	2.850	1319.	.0016	.0022
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0039	.0277	11.20	.0002	.0023	.0033	-0.0012	2.461	.0006
Stddev	.0005	.0011	.00	.0003	.0001	.0002	.0022	.002	.0000
%RSD	11.72	4.152	.0436	189.3	2.963	6.439	185.3	.0675	6.728
#1	-.0037	.0289	11.20	-.0002	.0023	.0032	-.0008	2.460	.0007
#2	-.0035	.0275	11.19	.0004	.0023	.0032	.0008	2.460	.0006
#3	-.0044	.0266	11.19	.0003	.0022	.0036	-.0036	2.463	.0006
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1679.5	4461.2	31527.	6332.7					
Stddev	.9	5.3	53.	15.3					
%RSD	.05437	.11798	.16792	.24229					
#1	1678.8	4455.1	31478.	6350.0					
#2	1680.5	4463.8	31520.	6320.9					
#3	1679.3	4464.6	31583.	6327.1					

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Sample Name: FA39222-21 Acquired: 12/7/2016 13:23:23 Type: Unk
Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	.0038	10.20	.0428	.0044	-0.0004	3.235	.0000	.0001
Stddev	.0001	.00	.0000	.0001	.0000	.007	.000	.0001
%RSD	3.571	.0312	.0712	1.510	1.793	.2040	253.4	107.0

#1	.0039	10.20	.0428	.0045	-0.0003	3.231	-0.001	.0001
#2	.0038	10.20	.0428	.0045	-0.0004	3.243	.0000	.0002
#3	.0037	10.20	.0427	.0043	-0.0003	3.231	.0000	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	F 10.55	-0.0007	.4628	.2955	.0714	F 6.016	.0201	F 1631.
Stddev	.02	.0001	.0015	.10	.0236	.023	.0004	.27
%RSD	.2180	17.81	.3151	.3549	33.00	.3793	1.794	1.685

#1	10.57	-0.0006	.4632	.2955	.0894	6.036	.0202	1660.
#2	10.54	-0.0008	.4639	.2944	.0802	6.021	.0205	1605.
#3	10.53	-0.0006	.4611	.2965	.0447	5.991	.0198	1627.

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	-0.0003	.0003	F -.0381	.0179	17.91	-0.0031	.0249	.0190
Stddev	.0001	.0018	.0011	.0004	.02	.0001	.0002	.0084
%RSD	41.15	539.5	3.010	2.391	.1303	3.026	6.404	44.32

#1	-0.0003	.0024	-.0384	.0175	17.93	-.0032	.0247	.0287
#2	-0.0002	-0.0003	-.0369	.0183	17.88	-.0030	.0250	.0141
#3	-0.0004	-0.0011	-.0392	.0177	17.92	-.0031	.0249	.0141

Elem	Tl1908	V_2924	Zn2062
IS Ref	(In2306)	(Y_3600)	(Y_2243)
Avg	.0013	1.526	.0030
Stddev	.0019	.001	.0001
%RSD	147.4	.0345	1.902

#1	.0007	1.526	.0030
#2	.0033	1.526	.0029
#3	-0.0002	1.526	.0029

Sample Name: FA39222-21 Acquired: 12/7/2016 13:23:23 Type: Unk
Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1466.3	3710.3	28713.	5978.4
Stddev	3.4	4.6	132.	7.5
%RSD	.23221	.12298	.45933	.12604

#1	1462.9	3706.7	28715.	5971.4
#2	1466.3	3715.5	28580.	5986.4
#3	1469.7	3708.9	28844.	5977.3

7.3
7

Sample Name: FA39212-1 Acquired: 12/7/2016 13:28:05 Type: Unk
Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0005	.1912	.0051	.0188	.0000	398.1	.0002	.0000	.0110
Stddev	.0004	.0058	.0008	.0002	.000	2.1	.0001	.0001	.0003
%RSD	75.57	3.043	16.53	.8390	150.1	.5315	38.04	141.6	2.650

#1	-0.0003	.1966	.0056	.0188	-0.0001	400.5	.0002	.0001	.0113
#2	-0.0003	.1850	.0055	.0187	.0000	396.8	.0001	.0001	.0108
#3	-0.0010	.1919	.0041	.0190	.0000	396.9	.0003	.0000	.0109

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0020	.2070	6.610	18.34	.0428	.0045	46.64	.0010	-0.0010
Stddev	.0003	.0013	.011	.03	.0003	.0002	.71	.0002	.0002
%RSD	14.61	.6235	.1612	.1617	.7034	3.341	1.527	18.06	18.91

#1	-0.0023	.2081	6.609	18.37	.0430	.0043	45.99	.0012	-0.0011
#2	-0.0017	.2073	6.601	18.31	.0430	.0046	46.52	.0010	-0.0008
#3	-0.0020	.2055	6.622	18.35	.0425	.0045	47.40	.0009	-0.0012

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0014	.0009	1.660	.0002	.4258	.0092	.0001	.0048	.0036
Stddev	.0006	.0012	.004	.0005	.0008	.0004	.0015	.0001	.0001
%RSD	44.43	136.0	.2400	282.5	.1828	4.368	1248.	2.204	2.666

#1	.0009	-0.0005	1.659	.0000	.4266	.0092	.0017	.0049	.0037
#2	.0022	.0015	1.664	.0007	.4251	.0088	-.0012	.0049	.0037
#3	.0013	.0017	1.656	-.0002	.4257	.0096	-.0002	.0047	.0035

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1869.2	4599.4	33142.	6491.9
Stddev	2.1	9.6	72.	12.7
%RSD	.11152	.20851	.21820	.19592

#1	1867.3	4610.5	33079.	6484.5
#2	1868.8	4594.8	33221.	6484.7
#3	1871.4	4593.0	33126.	6506.6

Sample Name: CCV Acquired: 12/7/2016 13:45:46 Type: QC
Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2569	40.65	1.943	2.069	2.004	39.63	1.964	1.978	1.996
Stddev	.0010	.07	.005	.007	.003	.08	.002	.002	.009
%RSD	.3723	.1822	.2571	.3385	.1367	.2137	.0973	.0743	.4619

#1	.2567	40.73	1.948	2.077	2.005	39.54	1.966	1.980	2.004
#2	.2561	40.63	1.938	2.065	2.001	39.64	1.963	1.979	1.986
#3	.2579	40.58	1.943	2.065	2.005	39.71	1.963	1.977	1.999

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.987	39.65	40.04	40.71	1.986	1.976	36.72	1.942	1.952
Stddev	.006	.05	.11	.10	.005	.003	.02	.002	.002
%RSD	.2935	.1333	.2860	.2569	.2524	.1299	.0555	.1091	.1230

#1	1.991	39.68	40.03	40.61	1.991	1.979	36.70	1.944	1.955
#2	1.980	39.59	39.94	40.82	1.984	1.974	36.71	1.941	1.950
#3	1.989	39.68	40.16	40.71	1.981	1.975	36.74	1.940	1.951

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.938	1.955	1.578	2.008	2.032	1.975	1.938	1.971	1.944
Stddev	.004	.003	.003	.003	.005	.008	.001	.004	.003
%RSD	.2153	.1358	.2136	.1563	.2713	.3933	.0690	.2111	.1430

#1	1.943	1.952	1.582	2.008	2.036	1.984	1.936	1.976	1.947
#2	1.937	1.956	1.578	2.011	2.025	1.968	1.939	1.969	1.941
#3	1.935	1.956	1.575	2.005	2.033	1.974	1.938	1.969	1.945

Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Sample Name: CCV Acquired: 12/7/2016 13:45:46 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1887.6	4675.0	3306.1	6682.5
Stddev	3.1	6.6	92.	34.8
%RSD	.16575	.14070	.27916	.52077
#1	1890.0	4671.0	3295.7	6721.2
#2	1888.6	4682.6	3313.2	6672.5
#3	1884.0	4671.3	3309.5	6653.8

Sample Name: CCB Acquired: 12/7/2016 13:51:33 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0001	.0050	.0007	.0004	.0004	.0070	.0002	.0002	.0003
Stddev	.0002	.0033	.0007	.0002	.0000	.0012	.0001	.0001	.0002
%RSD	469.9	65.88	93.36	42.38	2.133	17.20	48.29	28.91	67.52
#1	.0002	.0088	.0006	.0003	.0004	.0061	.0002	.0003	.0001
#2	.0002	.0025	.0001	.0003	.0005	.0084	.0002	.0003	.0006
#3	-.0002	.0038	.0015	.0006	.0004	.0065	.0001	.0001	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-.0011	.0077	.0973	-.0010	.0003	.0002	.2796	-.0001	-.0005
Stddev	.0004	.0031	.0102	.0104	.0001	.0002	.0041	.0001	.0001
%RSD	36.33	39.94	10.49	1090.	17.99	75.39	1.480	.0001	78.98
#1	-.0006	.0101	.1048	.0082	.0004	.0004	.2843	-.0001	-.0006
#2	-.0014	.0042	.1014	-.0122	.0003	.0001	.2778	-.0001	-.0005
#3	-.0011	.0089	.0857	.0011	.0003	.0001	.2767	.0000	-.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0014	.0002	.0003	.0001	.0004	.0003	.0003	.0003	-.0001
Stddev	.0002	.0010	.0002	.0002	.0001	.0001	.0008	.0002	.0001
%RSD	13.76	465.1	85.42	424.0	16.31	21.74	271.0	59.68	80.20
#1	.0016	.0000	.0006	.0001	.0004	.0003	.0003	.0005	.0000
#2	.0014	.0014	.0001	-.0002	.0005	.0004	-.0005	.0001	-.0001
#3	.0012	-.0007	.0002	.0003	.0003	.0003	.0012	.0003	-.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.3
7

Sample Name: CCB Acquired: 12/7/2016 13:51:33 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1969.3	4812.4	3308.5	6664.4
Stddev	6.7	11.4	50.	33.6
%RSD	.34083	.23621	.14980	.50406
#1	1961.6	4803.4	3310.9	6672.2
#2	1974.0	4808.5	3311.7	6693.5
#3	1972.2	4825.2	3302.8	6627.6

Sample Name: ICV Acquired: 12/7/2016 14:21:51 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.2471	41.21	1.969	2.123	2.013	42.86	2.000	1.987	1.980
Stddev	.0011	.18	.000	.007	.004	.01	.002	.001	.006
%RSD	.4368	.4459	.0205	.3513	.2211	.0214	.0932	.0714	.3090
#1	.2459	41.41	1.968	2.131	2.017	42.85	1.998	1.986	1.973
#2	.2475	41.16	1.969	2.119	2.015	42.87	1.999	1.987	1.983
#3	.2479	41.05	1.969	2.118	2.008	42.86	2.002	1.989	1.985

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	1.948	41.16	41.65	42.66	2.012	1.926	41.62	1.992	1.989
Stddev	.002	.17	.07	.08	.004	.002	.14	.002	.001
%RSD	.0769	.4085	.1617	.1962	.1916	.0771	.3430	.0786	.0448
#1	1.949	41.35	41.73	42.73	2.008	1.924	41.79	1.990	1.988
#2	1.950	41.10	41.63	42.57	2.014	1.926	41.57	1.993	1.990
#3	1.947	41.03	41.61	42.69	2.015	1.927	41.52	1.993	1.990

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	1.967	1.992	.0709	2.105	1.942	1.975	2.047	1.905	2.008
Stddev	.004	.004	.0005	.004	.008	.000	.001	.004	.003
%RSD	.1973	.1919	.6931	.1694	.3999	.0051	.0554	.2195	.1565
#1	1.970	1.989	.0704	2.105	1.949	1.975	2.046	1.900	2.005
#2	1.970	1.996	.0708	2.101	1.943	1.975	2.047	1.906	2.007
#3	1.963	1.991	.0714	2.109	1.934	1.975	2.048	1.908	2.011

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 12/7/2016 14:21:51 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1897.2	4698.8	3319.3	6627.6
Stddev	2.3	7.7	13.	14.7
%RSD	.12017	.16362	.03976	.22130

#1	1895.9	4698.2	3319.3	6613.1
#2	1895.9	4691.4	3320.7	6642.5
#3	1899.8	4706.7	3318.0	6627.4

Sample Name: CCV Acquired: 12/7/2016 14:27:14 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	2.535	39.51	2.002	1.969	2.006	40.13	2.008	1.986	2.007
Stddev	.0004	.18	.007	.001	.009	.16	.003	.001	.006
%RSD	.1690	.4431	.3597	.0721	.4484	.4106	.1512	.0387	.2837

#1	.2537	39.66	1.998	1.969	2.014	40.27	2.005	1.985	2.004
#2	.2538	39.32	1.998	1.971	1.997	39.95	2.008	1.986	2.003
#3	.2530	39.56	2.010	1.968	2.008	40.17	2.011	1.987	2.013

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	1.946	39.57	39.75	39.79	2.030	1.984	40.04	2.002	1.980
Stddev	.002	.15	.17	.13	.004	.003	.11	.003	.012
%RSD	.1230	.3915	.4271	.3357	.1770	.1237	.2750	.1558	.6269

#1	1.948	39.61	39.89	39.82	2.034	1.985	40.12	2.000	1.965
#2	1.945	39.39	39.56	39.65	2.028	1.981	39.91	2.002	1.987
#3	1.943	39.69	39.79	39.91	2.027	1.986	40.08	2.006	1.986

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	1.992	1.990	1.620	2.000	2.021	2.019	1.982	2.018	2.022
Stddev	.006	.009	.001	.004	.007	.005	.004	.002	.006
%RSD	.3071	.4292	.0832	.1784	.3342	.2506	.2287	.1146	.2853

#1	1.999	1.984	1.619	1.996	2.026	2.023	1.977	2.021	2.016
#2	1.987	1.987	1.619	2.002	2.013	2.013	1.983	2.016	2.023
#3	1.991	2.000	1.621	2.001	2.023	2.020	1.986	2.017	2.027

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

7.3
7

Sample Name: CCV Acquired: 12/7/2016 14:27:14 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1890.0	4681.9	3297.6	6556.0
Stddev	3.9	8.1	101.	35.7
%RSD	.20760	.17259	.30686	.54479

#1	1893.7	4672.9	3286.5	6559.3
#2	1885.9	4684.2	3306.3	6589.9
#3	1890.3	4688.5	3300.0	6518.7

Sample Name: CCB Acquired: 12/7/2016 14:33:33 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0000	.0074	-0.0001	.0004	.0002	.0064	.0001	.0002	.0003
Stddev	.0002	.0035	.0008	.0001	.0000	.0005	.0000	.0000	.0001
%RSD	13.99	47.00	55.9	40.28	21.83	8.217	18.05	4.201	29.61

#1	.0000	.0034	.0008	.0004	.0003	.0066	.0002	.0002	.0003
#2	-.0002	.0097	-.0005	.0002	.0002	.0058	.0001	.0002	.0004
#3	.0003	.0092	-.0008	.0005	.0002	.0069	.0001	.0002	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0010	.0051	-0.0127	.0206	.0002	F .0010	-0.0868	.0001	.0001
Stddev	.0002	.0018	.0300	.0167	.0000	.0001	.0028	.0001	.0002
%RSD	19.94	35.59	235.6	81.26	21.81	13.07	3.205	47.04	160.6

#1	.0008	.0068	.0067	.0013	.0002	.0011	-.0898	.0002	-.0001
#2	.0010	.0032	-.0473	.0296	.0002	.0011	-.0864	.0002	.0003
#3	.0012	.0053	.0023	.0309	.0002	.0009	-.0843	.0001	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0006	.0017	.0000	.0002	.0002	.0004	.0004	.0001	.0003
Stddev	.0006	.0010	.0003	.0003	.0001	.0002	.0006	.0003	.0001
%RSD	100.7	62.08	757.2	144.5	34.28	44.98	133.1	285.0	37.11

#1	.0011	.0005	-.0002	.0006	.0001	.0005	.0000	.0005	.0001
#2	.0007	.0020	.0004	.0000	.0003	.0003	.0002	.0001	.0003
#3	-.0001	.0025	-.0001	.0000	.0003	.0003	.0011	-.0002	.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 12/7/2016 14:33:33 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1961.4	4790.8	3297.7	6626.3
Stddev	.8	10.5	85.	52.0
%RSD	.04263	.21963	.25721	.78409

#1	1960.7	4802.1	3297.6	6677.2
#2	1961.3	4789.1	3289.2	6628.3
#3	1962.3	4781.2	3306.2	6573.3

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Sample Name: FA39212-5 Acquired: 12/7/2016 14:37:12 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	2.406	0.116	0.381	0.003	566.5	0.006	0.010	0.319
Stddev	.0002	.003	.0001	.0001	.0000	5.5	.0001	.0001	.0002
%RSD	71.77	.1266	.9440	.2930	2.793	9.794	14.49	9.852	.5933

#1	-0.001	2.404	0.117	0.380	0.003	560.1	0.007	0.011	0.321
#2	-0.004	2.409	0.117	0.380	0.003	570.3	0.006	0.009	0.319
#3	-0.004	2.405	0.115	0.382	0.003	569.1	0.006	0.011	0.318

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.014	12.71	23.13	82.48	1.545	0.108	42.98	0.022	0.027
Stddev	.0001	.05	.03	.51	.0005	.0003	.09	.0001	.0007
%RSD	10.03	4.236	1.202	6.239	3.230	2.792	2.011	3.003	27.14

#1	.0013	12.65	23.10	82.01	1.551	0.104	42.94	0.026	0.023
#2	.0014	12.73	23.15	82.40	1.543	0.110	42.92	0.026	0.035
#3	.0016	12.76	23.15	83.03	1.542	0.109	43.08	0.027	0.022

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.013	0.063	4.306	0.009	0.7456	0.023	0.022	0.116	0.058
Stddev	.0010	.0020	.007	.0003	.0009	.0001	.0012	.0001	.0001
%RSD	73.92	32.03	1.691	31.92	1.141	1.788	54.28	1.286	1.656

#1	.0015	.0078	4.304	.0007	.7463	.0204	.0014	.0117	.0059
#2	.0021	.0040	4.300	.0008	.7447	.0202	.0035	.0114	.0058
#3	.0002	.0071	4.314	.0012	.7458	.0204	.0016	.0116	.0057

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	1805.6	4675.8	3404.1	6749.9
Stddev	1.1	9.5	118.	28.7
%RSD	.06182	.20314	.34545	.42481

#1	1804.6	4673.9	3405.9	6781.3
#2	1805.5	4686.1	3414.9	6743.1
#3	1806.8	4667.4	3391.6	6725.2

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7.3
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Sample Name: FA39212-6 Acquired: 12/7/2016 14:41:44 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	1.046	0.406	0.540	0.001	496.3	0.002	0.024	0.172
Stddev	.0001	.007	.0004	.0001	.0000	8.5	.0000	.0001	.0003
%RSD	93.26	.7166	.9601	.0980	16.17	1.716	16.77	2.551	1.508

#1	.0000	1.046	0.403	0.539	.0001	489.6	.0002	0.023	0.169
#2	-0.001	1.038	0.410	0.540	.0001	505.9	.0002	0.024	0.173
#3	-0.002	1.052	0.406	0.539	.0001	493.5	.0001	0.023	0.174

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.005	5.778	38.19	120.8	2.222	0.148	290.2	0.070	-0.001
Stddev	.0002	.017	.12	.9	.0005	.0002	2.7	.0001	.0010
%RSD	41.08	.3017	.3255	.7055	.2265	1.271	9.422	1.774	808.7

#1	.0008	5.759	38.10	120.0	.2217	0.146	287.5	0.069	0.003
#2	.0005	5.781	38.33	121.7	.2225	0.149	292.9	0.071	-0.013
#3	.0003	5.794	38.15	120.8	.2225	0.150	290.1	0.069	0.006

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.010	0.029	3.141	0.009	0.7301	0.040	0.025	0.126	0.039
Stddev	.0010	.0015	.008	.0005	.0015	.0010	.0012	.0002	.0000
%RSD	94.30	51.08	.2681	51.61	.2112	2.407	47.32	1.723	.5572

#1	.0021	0.042	3.132	0.006	.7298	0.048	.0013	0.128	0.039
#2	.0002	0.013	3.144	0.006	.7287	0.039	.0026	0.127	0.039
#3	.0007	0.030	3.148	0.014	.7317	0.042	.0037	0.124	0.039

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	1776.5	4446.6	3253.6	6317.6
Stddev	5.3	4.0	47.	67.4
%RSD	.29996	.08951	1.4480	1.0662

#1	1770.6	4444.1	3250.2	6385.7
#2	1781.1	4444.4	3251.6	6251.1
#3	1777.7	4451.2	3258.9	6315.9

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Sample Name: FA39212-7 Acquired: 12/7/2016 14:46:26 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	2.806	0.364	0.819	0.000	437.1	0.002	0.031	0.111
Stddev	.0003	0.183	.0012	.0002	.000	5.8	.0000	.0001	.0001
%RSD	115.3	6.514	3.286	1.944	129.2	1.323	13.02	2.368	1.039

#1	.0000	2.818	0.351	0.818	-0.001	439.9	0.002	0.030	0.111
#2	.0002	2.982	0.374	0.819	.0000	440.9	0.002	0.031	0.112
#3	.0006	2.617	0.368	0.821	.0001	430.4	0.002	0.032	0.110

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.001	1.631	24.67	58.65	2.401	0.102	151.2	0.086	0.006
Stddev	.0006	.005	.10	.15	.0011	.0001	.4	.0001	.0003
%RSD	119.4	.3020	.4237	.2558	.4718	1.219	2.474	.7966	52.67

#1	.0005	1.635	24.78	58.64	.2392	0.103	151.6	0.086	0.010
#2	.0001	1.632	24.65	58.81	.2398	0.100	151.3	0.086	0.006
#3	-0.007	1.625	24.58	58.51	.2414	0.103	150.8	0.087	0.003

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.009	0.053	3.481	0.008	0.8631	0.137	0.023	0.027	0.029
Stddev	.0008	.0017	.004	.0004	.0035	.0007	.0009	.0001	.0000
%RSD	86.86	31.85	1.223	57.64	4.029	5.089	39.35	3.619	.5030

#1	.0000	0.039	3.478	0.009	.8661	0.140	.0014	0.027	0.029
#2	.0015	0.072	3.486	0.003	.8638	0.129	.0023	0.028	0.029
#3	.0011	0.049	3.480	.0012	.8593	0.142	.0033	0.026	0.029

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	1825.2	4509.1	3293.7	6399.2
Stddev	3.7	8.9	46.	31.9
%RSD	.20238	.19735	1.3864	.49891

#1	1826.6	4509.9	3298.6	6373.0
#2	1821.0	4499.8	3289.5	6389.9
#3	1828.0	4517.5	3293.0	6434.8

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Sample Name: FA39246-1 Acquired: 12/7/2016 14:50:59 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	4995	-0.009	.0122	.0000	31.36	.0000	-0.001	.0011
Stddev	.0002	.0017	.0004	.0001	.000	.20	.000	.0001	.0001
%RSD	130.4	.3380	39.33	.4938	483.3	.6435	133.9	68.40	11.87

#1	.0002	4981	-0.005	.0121	.0000	31.15	.0000	-0.002	.0011
#2	-0.001	.5014	-0.011	.0122	.0000	31.55	.0000	-0.002	.0012
#3	.0004	.4990	-0.012	.0122	.0000	31.39	-0.001	.0000	.0010

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0006	0530	1646	1.157	.0006	.0011	1.487	-0.001	-0.003
Stddev	.0002	.0023	.0101	.013	.0001	.0001	.010	.0000	.0007
%RSD	28.08	4.364	6.155	1.130	12.35	13.12	.6603	32.52	257.2

#1	.0004	.0528	.1539	1.151	.0005	.0009	1.479	-0.002	.0003
#2	.0007	.0554	.1658	1.172	.0007	.0011	1.498	-0.001	-0.001
#3	.0005	.0508	.1741	1.147	.0006	.0012	1.484	-0.001	-0.0010

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0033	.0034	4.238	.0003	.0796	.0301	-0.016	.0039	.0028
Stddev	.0004	.0016	.001	.0003	.0003	.0034	.0018	.0002	.0000
%RSD	11.07	46.24	0.140	114.8	.3924	11.42	108.4	4.073	2.779

#1	.0034	.0052	4.238	.0000	.0793	.0322	-0.021	.0039	.0028
#2	.0029	.0027	4.237	.0002	.0799	.0320	-0.031	.0041	.0028
#3	.0037	.0023	4.237	.0006	.0796	.0261	.0003	.0038	.0028

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1966.1	4771.5	33292.	6673.2
Stddev	4.5	7.6	14.	46.9
%RSD	.22892	.15909	.04223	.70348

#1	1970.0	4779.9	33278.	6722.1
#2	1961.2	4765.1	33306.	6628.5
#3	1967.1	4769.4	33292.	6669.1

Sample Name: FA39246-2 Acquired: 12/7/2016 14:55:26 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.0626	-0.024	.0052	.0000	5.158	-0.001	.0000	.0005
Stddev	.0002	.0141	.0008	.0001	.000	.013	.0000	.000	.0002
%RSD	1086.	22.51	33.79	1.138	238.8	.2566	59.78	1479.	44.00

#1	-0.001	.0673	-0.033	.0052	-0.001	5.172	.0000	.0000	.0003
#2	-0.002	.0468	-0.018	.0053	.0000	5.155	-0.001	.0000	.0008
#3	.0003	.0737	-0.020	.0051	.0000	5.146	-0.001	.0000	.0005

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0005	6.166	3.103	1.860	.0027	.0008	6.202	.0001	-0.002
Stddev	.0005	.0010	.034	.022	.0000	.0002	.017	.0002	.0008
%RSD	89.57	.1568	1.104	1.194	1.303	21.65	.2729	342.2	358.5

#1	.0011	6.176	3.102	1.835	.0028	.0008	6.216	-0.002	.0001
#2	.0003	6.164	3.069	1.866	.0027	.0006	6.183	.0003	-0.011
#3	.0002	6.157	3.138	1.878	.0027	.0009	6.206	.0001	.0004

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0018	.0007	1.149	.0003	.0015	.0015	-0.009	.0071	.0033
Stddev	.0006	.0005	.000	.0002	.0000	.0001	.0003	.0002	.0000
%RSD	33.30	60.31	.0382	64.13	1.745	6.749	27.80	2.406	1.197

#1	.0021	.0012	1.149	.0003	.0015	.0015	-0.012	.0072	.0033
#2	.0021	.0008	1.149	.0006	.0015	.0014	-0.009	.0069	.0033
#3	.0011	.0003	1.150	.0002	.0015	.0016	-0.007	.0072	.0032

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1983.6	4786.4	33579.	6780.5
Stddev	3.6	8.1	76.	29.5
%RSD	.18189	.16850	.22709	.43551

#1	1982.6	4794.9	33636.	6751.4
#2	1980.5	4778.9	33492.	6779.8
#3	1987.6	4785.3	33607.	6810.4

7.3
7

Sample Name: FA39246-3 Acquired: 12/7/2016 14:59:55 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0002	2.364	-0.014	.0272	.0001	10.53	-0.001	.0000	.0045
Stddev	.0002	.016	.0003	.0002	.0001	.07	.0001	.000	.0002
%RSD	70.53	6.762	19.43	.7025	68.02	6803.	89.38	623.0	4.699

#1	-0.0004	2.365	-0.014	.0270	.0002	10.45	.0000	.0000	.0047
#2	-0.0002	2.347	-0.016	.0272	.0001	10.56	-0.001	.0001	.0043
#3	-0.0001	2.379	-0.011	.0274	.0001	10.59	-0.001	-0.001	.0044

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0016	6024	9432	9727	.0038	1.199	.0014	.0050	.0048
Stddev	.0002	.0068	.0299	.0156	.0000	.0001	.005	.0001	.0002
%RSD	9.962	1.123	3.173	1.600	.2333	13.63	45.15	6.916	4.034

#1	.0017	.5949	.9129	.9552	.0038	.0008	1.193	.0014	.0051
#2	.0014	.6043	.9728	.9780	.0038	.0007	1.198	.0014	.0048
#3	.0015	.6081	.9441	.9849	.0038	.0009	1.204	.0013	.0052

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0018	.0051	2.099	.0007	.0531	.0082	-0.011	.0024	.0091
Stddev	.0009	.0011	.002	.0003	.0000	.0001	.0016	.0002	.0002
%RSD	52.70	22.27	.0748	34.66	.0915	1.544	150.6	6.250	1.803

#1	.0007	.0054	2.098	.0005	.0532	.0080	-0.028	.0025	.0089
#2	.0023	.0060	2.098	.0007	.0531	.0082	.0005	.0022	.0093
#3	.0023	.0038	2.101	.0010	.0531	.0082	-0.009	.0025	.0090

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1968.9	4802.1	33311.	6779.6
Stddev	5.5	10.7	213.	71.9
%RSD	.28027	.22309	.64041	1.0608

#1	1964.4	4803.9	33406.	6849.7
#2	1975.1	4811.8	33461.	6783.1
#3	1967.3	4790.6	33067.	6706.0

Sample Name: FA39246-4 Acquired: 12/7/2016 15:04:23 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0005	6.258	-0.010	.0665	.0001	18.71	-0.001	.0001	.0050
Stddev	.0006	.033	.0009	.0001	.0000	.10	.0000	.0001	.0002
%RSD	128.6	.5251	90.46	.2107	65.08	.5176	48.99	170.8	4.254

#1	.0001	6.245	-0.001	.0664	.0001	18.60	-0.001	.0000	.0053
#2	-0.0011	6.295	-0.010	.0666	.0000	18.75	-0.001	.0001	.0050
#3	-0.0								

Sample Name: FA39246-5 Acquired: 12/7/2016 15:08:50 Type: Unk
Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	10.25	-0.006	.1175	.0004	21.70	.0000	.0002	.0096
Stddev	.0002	.01	.0002	.0004	.0000	.08	.000	.0000	.0001
%RSD	72.48	.0699	41.66	.3171	12.97	.3849	18.99	19.59	.7557
#1	-.0001	10.24	-.0007	.1174	.0004	21.64	.0000	.0002	.0097
#2	-.0005	10.25	-.0008	.1179	.0004	21.68	.0000	.0003	.0095
#3	-.0005	10.25	-.0003	.1172	.0003	21.80	-.0001	.0002	.0095
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0056	1.523	1.174	1.042	.0107	.0034	.9592	.0041	.0130
Stddev	.0004	.004	.015	.027	.0001	.0001	.0033	.0000	.0003
%RSD	7.150	.2560	1.280	2.553	.7685	1.702	.3491	.4481	2.634
#1	.0054	1.518	1.175	1.071	.0106	.0033	.9630	.0041	.0130
#2	.0061	1.526	1.188	1.020	.0108	.0034	.9569	.0041	.0126
#3	.0054	1.524	1.158	1.033	.0108	.0034	.9576	.0041	.0133
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0028	.0023	4.659	.0006	.1564	.0204	-.0021	.0096	.0653
Stddev	.0012	.0016	.016	.0003	.0000	.0002	.0015	.0001	.0005
%RSD	40.82	68.71	.3357	50.11	.0091	.8824	73.32	.8095	8.147
#1	.0018	.0031	4.643	.0003	.1564	.0206	-.0025	.0096	.0647
#2	.0026	.0005	4.660	.0009	.1564	.0204	-.0004	.0096	.0656
#3	.0041	.0032	4.674	.0006	.1563	.0202	-.0033	.0095	.0655
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1963.7	4822.2	33303.	6778.8					
Stddev	2.1	12.8	26.	47.4					
%RSD	.10535	.26455	.07741	.69966					
#1	1961.3	4833.8	33280.	6832.6					
#2	1965.3	4824.4	33331.	6760.7					
#3	1964.4	4808.5	33297.	6743.0					

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Sample Name: FA39246-4F Acquired: 12/7/2016 15:13:15 Type: Unk
Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	.1302	-0.020	.0055	.0000	17.95	-0.001	-0.001	.0007
Stddev	.0001	.0020	.0008	.0002	.000	.03	.0000	.0001	.0001
%RSD	46.64	1.540	37.92	2.733	51.89	.1579	41.04	201.8	17.36
#1	-0.0003	.1314	-0.011	.0057	-0.001	17.98	-0.001	-0.001	.0008
#2	-0.0001	.1279	-0.023	.0055	.0000	17.96	-0.001	-0.001	.0007
#3	-0.0002	.1313	-0.025	.0054	-0.001	17.92	-0.001	-0.002	.0006
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0001	.0450	1.546	1.951	.0121	.0042	2.126	.0003	-0.004
Stddev	.0004	.0002	.034	.026	.0001	.0001	.008	.0001	.0007
%RSD	284.7	.4199	2.170	1.353	.6813	2.245	.3971	51.37	181.3
#1	.0003	.0448	1.553	1.978	.0121	.0041	2.130	.0004	.0003
#2	-0.0003	.0451	1.575	1.951	.0121	.0043	2.131	.0001	-0.0012
#3	.0003	.0451	1.509	1.925	.0122	.0043	2.116	.0003	-0.0003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0020	.0046	.9941	.0005	.0327	.0052	-0.019	.0021	.0021
Stddev	.0004	.0012	.010	.0002	.0004	.0001	.0028	.0001	.0000
%RSD	18.37	26.40	.1027	44.30	1.097	2.112	149.5	4.109	1.246
#1	.0024	.0033	.9929	.0003	.0329	.0051	-.0049	.0021	.0020
#2	.0019	.0050	.9943	.0007	.0329	.0051	.0004	.0020	.0021
#3	.0017	.0057	.9949	.0005	.0323	.0053	-.0011	.0021	.0021
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1971.9	4780.9	33350.	6697.9					
Stddev	4.4	15.8	108.	18.4					
%RSD	.22195	.33078	.32481	.27408					
#1	1975.2	4798.7	33326.	6684.4					
#2	1967.0	4768.6	33469.	6690.5					
#3	1973.6	4775.3	33257.	6718.8					

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7.3
7

Sample Name: FA39246-5F Acquired: 12/7/2016 15:17:43 Type: Unk
Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.7045	-0.014	.0113	.0000	19.59	-0.001	-0.001	.0014
Stddev	.000	.0114	.0010	.0001	.000	.08	.0000	.0001	.0001
%RSD	506.6	1.618	71.88	.8486	89.72	.3966	31.51	51.83	5.221
#1	.0002	.7087	-.0025	.0112	.0000	19.50	-.0001	-.0002	.0014
#2	-.0001	.7131	-.0004	.0114	-.0001	19.60	-.0001	-.0001	.0014
#3	-.0002	.6915	-.0015	.0113	.0000	19.65	-.0001	-.0002	.0013
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0008	.0767	.9260	.7870	.0069	.0036	.9470	.0003	-0.002
Stddev	.0004	.0019	.0235	.0113	.0000	.0000	.0085	.0002	.0004
%RSD	55.90	2.458	2.534	1.432	.5092	1.231	.8954	66.75	157.9
#1	.0009	.0747	.9333	.7802	.0068	.0037	.9385	.0002	-.0006
#2	.0012	.0768	.9450	.7807	.0069	.0036	.9554	.0002	.0001
#3	.0003	.0785	.8998	.8000	.0068	.0036	.9472	.0005	-.0002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0017	.0032	1.520	.0002	.0456	.0534	-.0021	.0035	.0017
Stddev	.0009	.0018	.007	.0003	.0002	.0005	.0011	.0002	.0001
%RSD	49.01	54.47	4.570	114.8	.4541	.8995	52.70	6.364	4.242
#1	.0027	.0020	1.528	.0005	.0454	.0536	-.0030	.0038	.0016
#2	.0013	.0025	1.516	.0001	.0456	.0536	-.0009	.0034	.0018
#3	.0012	.0052	1.516	.0001	.0458	.0528	-.0024	.0034	.0017
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1970.9	4786.8	33312.	6728.9					
Stddev	2.3	12.1	172.	49.9					
%RSD	.11901	.25376	.51501	.74096					
#1	1968.9	4785.9	33317.	6783.5					
#2	1973.5	4799.4	33138.	6717.4					
#3	1970.5	4775.2	33481.	6685.8					

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Sample Name: CCV Acquired: 12/7/2016 15:22:11 Type: QC
Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2539	39.76	1.982	1.991	2.005	40.10	2.000	1.984	1.999
Stddev	.0007	.08	.010	.001	.004	.02	.003	.004	.004
%RSD	.2735	.2091	.5175	.0659	.1958	.0544	.1499	.1836	.2266
#1	.2532	39.75	1.970	1.990	2.006	40.13	1.997	1.981	1.994
#2	.2541	39.85	1.989	1.992	2.001	40.09	2.000	1.984	2.001
#3	.2546	39.68	1.986	1.991	2.009	40.10	2.003	1.988	2.002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.950	39.73	39.63	40.25	2.013	1.980	40.44	1.984	1.977
Stddev	.004	.00	.06	.12	.004	.004	.07	.004	.006
%RSD									

Sample Name: CCV Acquired: 12/7/2016 15:22:11 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1897.2	4724.2	33204.	6517.1
Stddev	3.0	7.7	38.	27.9
%RSD	.15664	.16348	.11539	.42862

#1	1899.2	4733.0	33224.	6514.3
#2	1898.6	4720.8	33228.	6490.7
#3	1893.8	4718.7	33160.	6546.3

Sample Name: CCB Acquired: 12/7/2016 15:26:22 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0002	.0062	-0.0007	.0004	.0003	.0055	.0002	.0001	.0002
Stddev	.0004	.0050	.0004	.0001	.0000	.0008	.0001	.0000	.0003
%RSD	216.0	80.68	51.31	25.25	12.97	15.17	24.63	26.91	103.7

#1	.0002	.0004	-0.0003	.0005	.0003	.0053	.0003	.0001	.0001
#2	-0.0002	.0094	-0.0010	.0004	.0004	.0048	.0002	.0001	.0001
#3	.0005	.0087	-0.0009	.0003	.0003	.0064	.0002	.0001	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0004	.0110	.0045	.0089	.0003	F .0016	-0.0983	.0004	-0.0006
Stddev	.0002	.0024	.0280	.0053	.0000	.0003	.0024	.0002	.0002
%RSD	52.76	22.28	626.8	59.28	12.80	20.26	2.399	58.52	24.49

#1	.0005	.0135	-0.236	.0099	.0003	.0019	-0.978	.0004	-0.0008
#2	.0006	.0108	.0047	.0137	.0003	.0016	-1.009	.0001	-0.0006
#3	.0002	.0086	.0323	.0032	.0002	.0012	-0.962	.0005	-0.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0010	.0014	.0000	.0004	.0003	.0004	-0.0005	.0002	.0002
Stddev	.0011	.0016	.000	.0002	.0000	.0001	.0024	.0001	.0000
%RSD	108.5	119.1	925.5	44.20	3.300	17.33	458.8	79.69	3.373

#1	-0.0002	.0004	-0.0004	.0002	.0003	.0005	-0.0033	.0003	.0002
#2	.0014	.0033	-0.0001	.0005	.0003	.0004	.0006	.0000	.0002
#3	.0017	.0004	.0004	.0004	.0004	.0003	.0011	.0002	.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 12/7/2016 15:26:22 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1970.0	4839.1	33427.	6650.7
Stddev	5.1	10.1	119.	12.7
%RSD	.25697	.20773	.35466	.19052

#1	1971.2	4842.9	33382.	6636.1
#2	1974.4	4846.7	33338.	6658.5
#3	1964.4	4827.7	33562.	6657.5

Sample Name: FA39253-1 Acquired: 12/7/2016 15:30:52 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_3710)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-0.0001	.2264	.0063	.0433	.0000	17.35	-0.0001	.0007	.0008
Stddev	.0005	.0048	.0013	.0001	.000	.04	.0000	.0002	.0001
%RSD	716.1	2.126	20.11	.2419	91.35	2532	49.26	26.04	8.535

#1	.0002	.2216	.0076	.0434	-0.0001	17.32	-0.0001	.0009	.0009
#2	.0002	.2263	.0064	.0434	.0000	17.40	-0.0001	.0005	.0008
#3	-0.0006	.2312	.0050	.0432	.0000	17.32	-0.0001	.0006	.0008

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.0010	.9627	6.766	3.145	.2532	.0055	9.667	.0037	.0002
Stddev	.0001	.0067	.010	.011	.0007	.0001	.035	.0001	.0007
%RSD	11.45	.6945	.1424	.3572	.2790	1.609	.3602	3.065	420.9

#1	.0009	.9646	6.760	3.137	.2525	.0054	9.638	.0038	.0003
#2	.0011	.9681	6.762	3.158	.2539	.0056	9.705	.0035	-0.0006
#3	.0009	.9552	6.777	3.141	.2533	.0056	9.657	.0037	.0008

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.0043	.0042	1.579	.0005	.0831	.0078	-0.0011	.0012	.0068
Stddev	.0005	.0017	.007	.0002	.0002	.0002	.0012	.0002	.0001
%RSD	12.84	40.40	4565	47.03	.2248	2.729	106.8	13.72	1.371

#1	.0039	.0062	1.579	.0003	.0828	.0080	-0.0023	.0010	.0067
#2	.0049	.0032	1.572	.0008	.0831	.0077	.0000	.0013	.0069
#3	.0041	.0033	1.586	.0004	.0832	.0076	-0.0009	.0011	.0068

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1965.5	4765.9	33414.	6730.0
Stddev	1.3	9.1	74.	39.2
%RSD	.06729	.19066	.22103	.58188

#1	1964.3	4765.3	33357.	6698.6
#2	1966.9	4775.3	33387.	6717.4
#3	1965.3	4757.2	33497.	6773.9

Sample Name: MP31283-MB2A Acquired: 12/7/2016 15:35:20 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0060	-0.0015	.0002	-0.0001	.0239	-0.0001	-0.0002	.0002
Stddev	.0001	.0084	.0007	.0003	.0000	.0018	.0001	.0001	.0002
%RSD	59.01	139.0	45.64	175.0	75.17	7.349	45.22	59.35	75.14

#1 .0002 .0019 -.0013 -.0002 .0000 .0235 -.0001 -.0001 -.0004
 #2 .0002 .0005 -.0010 .0004 -.0001 .0258 -.0002 -.0003 -.0000
 #3 .0001 .0157 -.0023 .0002 .0000 .0224 -.0001 -.0003 .0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0019	-0.0168	.0018	.0003	.0004	-0.0898	-0.0004	-0.0004
Stddev	.0004	.0023	.0127	.0285	.0001	.0001	.0020	.0001	.0003
%RSD	1295.	121.7	75.46	1500.	22.23	16.01	2.252	37.14	70.53

#1 -.0004 -.0002 -.0038 .0061 .0002 .0004 -.0875 -.0002 -.0007
 #2 .0003 .0043 -.0176 .0258 .0003 .0005 -.0910 -.0005 -.0002
 #3 .0001 .0015 -.0291 -.0266 .0003 .0004 -.0909 -.0004 -.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	.0032	.0053	.0005	.0001	.0003	-0.0030	-0.0001	.0007
Stddev	.0011	.0011	.0003	.0005	.0001	.0002	.0012	.0001	.0000
%RSD	80.67	34.41	5.008	101.9	127.8	54.08	38.36	81.38	5.286

#1 .0025 .0044 .0056 .0000 .0000 .0002 -.0043 -.0001 .0007
 #2 .0009 .0026 .0051 .0004 .0001 .0002 -.0020 -.0002 .0007
 #3 .0006 .0025 .0052 .0011 .0001 .0005 -.0027 .0000 .0007

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP31283-MB2A Acquired: 12/7/2016 15:35:20 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1953.5	4773.5	33323.	6812.1
Stddev	4.7	11.5	150.	44.6
%RSD	.24310	.24149	.45116	.65451

#1 1948.0 4760.6 33348. 6779.2
 #2 1956.7 4782.8 33161. 6862.8
 #3 1955.7 4777.0 33459. 6794.3

Sample Name: MP31285-MB1 Acquired: 12/7/2016 15:39:52 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0085	-0.0011	.0002	-0.0001	.0193	-0.0001	.0000	.0006
Stddev	.0005	.0011	.0002	.0001	.0000	.0018	.0000	.0000	.0001
%RSD	374.3	12.61	21.44	36.37	60.70	9.543	30.20	89.15	22.07

#1 .0000 .0077 -.0008 .0003 .0000 .0174 -.0001 .0000 .0006
 #2 -.0003 .0097 -.0012 .0003 -.0001 .0195 -.0001 -.0001 .0008
 #3 .0007 .0081 -.0013 .0001 -.0001 .0211 -.0001 .0000 .0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.0373	-0.0112	.0023	.0005	.0002	-0.1003	-0.0001	.0002
Stddev	.0002	.0014	.0038	.0216	.0000	.0000	.0085	.0002	.0006
%RSD	19.77	3.782	33.66	956.7	9.056	18.37	8.430	120.2	250.1

#1 .0008 .0357 -.0084 .0019 .0005 .0002 -.0914 -.0002 .0009
 #2 .0008 .0382 -.0155 -.0191 .0005 .0002 -.1010 -.0003 -.0001
 #3 .0011 .0381 -.0097 .0240 .0005 .0002 -.1083 .0000 -.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	.0023	.0041	.0205	.0000	.0005	-0.0022	-0.0002	.0021
Stddev	.0009	.0010	.0001	.0002	.0000	.0002	.0003	.0003	.0001
%RSD	84.86	42.74	3.393	1.181	425.0	28.66	15.28	163.9	6.243

#1 .0007 .0012 .0040 .0207 .0000 .0004 -.0018 .0002 .0019
 #2 .0004 .0028 .0042 .0203 -.0001 .0007 -.0025 -.0004 .0021
 #3 .0021 .0030 .0041 .0205 .0000 .0005 -.0021 -.0004 .0022

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP31285-MB1 Acquired: 12/7/2016 15:39:52 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1956.9	4796.3	33147.	6821.0
Stddev	5.0	20.6	142.	51.2
%RSD	.25801	.42889	.42690	.75104

#1 1962.6 4820.0 32988. 6768.7
 #2 1953.3 4784.1 33195. 6871.1
 #3 1954.7 4784.7 33258. 6823.2

Sample Name: MP31285-B1 Acquired: 12/7/2016 15:44:24 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0444	27.88	1.997	2.090	.0532	26.44	.0510	.5060	.2077
Stddev	.0005	.06	.009	.007	.0002	.00	.0000	.0008	.0004
%RSD	1.104	.2293	.4522	.3540	.3532	.0161	.0784	.1601	.1975

#1	.0440	27.88	2.005	2.086	.0532	26.44	.0510	.5065	.2078
#2	.0449	27.81	1.998	2.086	.0534	26.44	.0511	.5064	.2081
#3	.0444	27.94	1.987	2.098	.0530	26.45	.0510	.5050	.2073

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2566	27.55	25.82	25.81	.5213	.5253	26.24	.5143	.4984
Stddev	.0002	.06	.05	.05	.0010	.0011	.05	.0006	.0007
%RSD	.0741	.2126	.1873	.1795	.1839	.2156	.1976	.1258	.1350

#1	.2568	27.57	25.81	25.76	.5218	.5263	26.20	.5149	.4989
#2	.2565	27.48	25.78	25.85	.5202	.5255	26.22	.5142	.4976
#3	.2564	27.59	25.87	25.82	.5220	.5241	26.30	.5136	.4986

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4973	1.955	.0131	.5378	.5273	.5219	1.972	.4926	.5139
Stddev	.0012	.001	.0001	.0012	.0018	.0012	.008	.0005	.0002
%RSD	.2386	.0610	.5843	.2211	.3463	.2232	.4138	.1016	.0475

#1	.4965	1.954	.0132	.5369	.5283	.5206	1.968	.4930	.5138
#2	.4968	1.954	.0131	.5391	.5252	.5228	1.981	.4928	.5142
#3	.4987	1.956	.0132	.5374	.5284	.5223	1.966	.4920	.5137

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP31285-B1 Acquired: 12/7/2016 15:44:24 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1930.7	4752.4	33344.	6617.1
Stddev	5.3	14.5	125.	9.8
%RSD	.27230	.30611	.37588	.14813

#1	1924.8	4736.3	33431.	6605.8
#2	1934.9	4756.0	33201.	6622.1
#3	1932.5	4764.7	33402.	6623.4

Sample Name: FA39252-7 Acquired: 12/7/2016 15:48:39 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0256	51.31	.0173	.5379	.0013	8.689	.0017	.0107	.0708
Stddev	.0004	.22	.0002	.0008	.0000	.033	.0000	.0001	.0003
%RSD	1.633	.4369	1.133	.1528	3.218	.3793	2.110	.7878	.4129

#1	.0257	51.30	.0175	.5370	.0013	8.655	.0017	.0108	.0705
#2	.0260	51.08	.0174	.5381	.0013	8.690	.0017	.0107	.0708
#3	.0252	51.53	.0171	.5386	.0013	8.721	.0016	.0106	.0711

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1536	60.19	2.687	4.148	.6310	.0039	15.18	.0288	6669
Stddev	.0010	.22	.023	.024	.0007	.0001	.042	.0001	.0017
%RSD	.6717	.3662	.8507	.5870	.1040	3.488	2.789	.3210	.2606

#1	.1533	60.13	2.666	4.170	.6305	.0040	14.69	.0290	.6676
#2	.1527	60.01	2.684	4.122	.6318	.0038	15.45	.0288	.6682
#3	.1547	60.44	2.712	4.152	.6308	.0038	15.41	.0288	.6649

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0058	.0023	.8421	.0622	.0930	.8012	-.0038	1.156	.9943
Stddev	.0001	.0020	.0014	.0006	.0003	.0019	.0005	.0002	.0016
%RSD	2.098	87.77	.1722	1.040	.3177	2.338	12.12	.1425	.1646

#1	.0058	.0016	.8418	.0626	.0932	.8008	-.0038	1.157	.9961
#2	.0059	.0007	.8408	.0615	.0927	.7996	-.0042	1.154	.9940
#3	.0056	.0045	.8436	.0626	.0931	.8033	-.0033	1.156	.9928

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1972.5	5138.4	35580.	7171.3
Stddev	4.6	5.3	224.	29.4
%RSD	.23373	.10274	.63093	.41017

#1	1972.7	5143.3	35759.	7179.6
#2	1967.7	5132.8	35651.	7195.6
#3	1976.9	5139.2	35328.	7138.6

Sample Name: MP31285-D1 Acquired: 12/7/2016 15:52:59 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0236	53.86	.0178	.3007	.0013	8.860	.0013	.0104	.0742
Stddev	.0005	.09	.0001	.0012	.0000	.019	.0000	.0002	.0003
%RSD	1.959	.1610	.6290	.3865	3.316	.2117	2.746	2.334	.3786

#1	.0240	53.87	.0179	.3017	.0012	8.841	.0013	.0105	.0740
#2	.0237	53.93	.0177	.3009	.0013	8.879	.0012	.0101	.0742
#3	.0231	53.76	.0177	.2994	.0013	8.861	.0013	.0105	.0745

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2473	57.67	3.801	4.752	.6175	.0069	.0764	.0283	.6772
Stddev	.0005	.07	.050	.044	.0014	.0000	.0033	.0001	.0001
%RSD	.1927	.1291	1.305	.9210	.2308	.3323	4.319	.3538	.0120

#1	.2467	57.65	3.849	4.760	.6159	.0070	.0795	.0284	.6772
#2	.2476	57.75	3.806	4.791	.6186	.0069	.0767	.0284	.6771
#3	.2475	57.61	3.750	4.705	.6181	.0069	.0729	.0282	.6772

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0059	.0028	.9036	.0657	.0676	1.035	-.0018	1.165	.5444
Stddev	.0001	.0003	.0032	.0005	.0002	.004	.0016	.0004	.0014
%RSD	1.286	11.58	.3513	.7851	.2937	.3516	88.10	.3458	.2633

#1	.0059	.0031	.9035	.0651	.0678	1.031	-.0002	1.162	.5427
#2	.0059	.0030	.9005	.0660	.0674	1.038	-.0034	1.170	.5454
#3	.0058	.0025	.9068	.0660	.0676	1.036	-.0018	1.164	.5450

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1964.7	5127.2	35336.	7133.9
Stddev	2.5	9.6	202.	56.3
%RSD	.12690	.18770	.57210	.78919

#1	1962.3	5138.3	35542.	7192.1
#2	1967.3	5122.5	35138.	7079.7
#3	1964.5	5120.8	35328.	7130.0

Sample Name: MP31285-SD1 Acquired: 12/7/2016 15:57:19 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0289	55.72	.0146	.5871	.0010	9.561	.0016	.0115	.0747
Stddev	.0019	.12	.0004	.0021	.0003	.005	.0001	.0009	.0010
%RSD	6.659	.2122	3.081	.3611	35.40	.0483	9.496	7.551	1.397
#1	.0307	55.76	.0148	.5895	.0011	9.560	.0015	.0107	.0741
#2	.0269	55.80	.0140	.5862	.0006	9.566	.0017	.0115	.0759
#3	.0292	55.58	.0148	.5856	.0011	9.556	.0015	.0124	.0741
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1631	66.25	2.952	4.632	.6877	.0035	-3.257	.0311	.6897
Stddev	.0024	.39	.121	.036	.0025	.0002	.0096	.0007	.0039
%RSD	1.491	.5855	4.096	.7827	.3579	4.806	2.954	2.120	.5625
#1	.1637	66.69	2.833	4.602	.6903	.0036	-3.153	.0316	.6927
#2	.1651	65.95	3.075	4.623	.6873	.0035	-3.342	.0304	.6912
#3	.1604	66.12	2.947	4.673	.6854	.0033	-3.275	.0313	.6853
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0058	.0066	.9233	.0674	.0998	.8622	-0.044	1.236	1.122
Stddev	.0054	.0073	.0024	.0003	.0002	.0029	.0062	.0019	.003
%RSD	91.81	110.0	.2621	.5051	.2469	.3356	140.3	1.504	.2631
#1	-.0002	.0140	.9236	.0673	.0999	.8653	-.0089	1.257	1.118
#2	.0077	.0062	.9207	.0678	.0996	.8617	-.0070	1.224	1.123
#3	.0100	-.0005	.9255	.0672	.1000	.8595	.0026	1.226	1.124
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1981.8	4909.0	33888.	6789.0					
Stddev	3.4	11.5	125.	21.4					
%RSD	.16927	.23384	.36985	.31544					
#1	1982.6	4916.8	33789.	6787.4					
#2	1984.7	4914.5	33845.	6768.4					
#3	1978.2	4895.8	34029.	6811.1					

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Sample Name: MP31285-PS1 Acquired: 12/7/2016 16:01:43 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0684	52.82	.1144	.7897	.0519	13.63	.0513	.0599	.1199
Stddev	.0006	.16	.0008	.0023	.0002	.02	.0001	.0001	.0002
%RSD	.8894	.3092	.6941	.2942	.4327	.1817	.2050	.1893	.1950
#1	.0687	52.66	.1147	.7877	.0516	13.61	.0512	.0598	.1198
#2	.0687	52.81	.1150	.7892	.0520	13.66	.0514	.0600	.1202
#3	.0677	52.98	.1135	.7922	.0520	13.63	.0512	.0598	.1197
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2519	61.89	12.35	9.120	.6619	.1028	10.25	.1264	.7016
Stddev	.0009	.16	.08	.067	.0022	.0003	.02	.0003	.0021
%RSD	.3385	.2558	.6080	.7291	.3281	.2538	.2243	.2733	.2951
#1	.2514	61.71	12.27	9.053	.6644	.1029	10.23	.1266	.7039
#2	.2529	62.02	12.39	9.186	.6604	.1029	10.25	.1267	.6999
#3	.2515	61.95	12.40	9.122	.6609	.1025	10.28	.1260	.7010
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1077	.0947	.8460	.1083	.1395	.8855	.0981	.1617	1.215
Stddev	.0012	.0026	.0038	.0000	.0004	.0038	.0024	.0002	.003
%RSD	1.084	2.742	.4463	.0448	.3112	.4243	2.432	1.390	.2126
#1	.1090	.0941	.8421	.1083	.1393	.8861	.0957	.1614	1.217
#2	.1072	.0976	.8496	.1083	.1392	.8889	.0981	.1617	1.212
#3	.1068	.0925	.8464	.1082	.1400	.8814	.1004	.1619	1.215
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1948.0	5107.0	35536.	7105.3					
Stddev	5.1	13.6	81.	42.2					
%RSD	.26285	.26700	.22787	.59380					
#1	1953.7	5115.3	35563.	7139.9					
#2	1946.4	5091.3	35445.	7058.3					
#3	1943.9	5114.5	35600.	7117.7					

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7.3
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Sample Name: MP31285-S1 Acquired: 12/7/2016 16:06:01 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0736	101.5	1.829	2.512	.0515	40.91	.0501	.4857	.2812
Stddev	.0005	.1	.006	.009	.0003	.09	.0001	.0005	.0017
%RSD	.6456	.0596	.3489	.3469	.5723	.2176	.1496	.1080	.5885
#1	.0732	101.6	1.825	2.521	.0512	40.82	.0501	.4853	.2798
#2	.0742	101.6	1.825	2.512	.0516	40.91	.0500	.4854	.2806
#3	.0736	101.5	1.836	2.503	.0517	41.00	.0501	.4863	.2830
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4449	85.14	27.67	30.04	1.296	.4675	24.95	5.240	1.235
Stddev	.0011	.14	.06	.26	.004	.0005	.04	.0012	.004
%RSD	.2453	.1658	.2157	.8671	.3406	.0987	.1722	.2323	.3509
#1	.4443	84.98	27.67	29.74	1.292	.4674	24.98	.5233	1.230
#2	.4461	85.25	27.73	30.16	1.296	.4671	24.97	.5233	1.239
#3	.4442	85.20	27.61	30.22	1.301	.4680	24.90	.5254	1.237
Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.1531	1.822	1.181	.5688	.6281	1.452	1.995	.5906	1.421
Stddev	.0015	.005	.003	.0015	.0012	.001	.014	.0010	.004
%RSD	.9834	.2868	.2183	.2572	.1962	.0342	.6972	.1615	.2551
#1	.1524	1.817	1.180	.5673	.6294	1.452	1.998	.5899	1.417
#2	.1521	1.827	1.178	.5690	.6279	1.452	2.006	.5903	1.420
#3	.1548	1.824	1.183	.5702	.6270	1.453	1.979	.5917	1.425
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1920.5	5125.0	35726.	7237.8					
Stddev	.9	17.7	123.	66.0					
%RSD	.04632	.34526	.34398	.91242					
#1	1919.4	5125.3	35868.	7311.1					
#2	1921.0	5142.5	35659.	7219.3					
#3	1921.0	5107.1	35651.	7183.0					

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Sample Name: MP31285-S2 Acquired: 12/7/2016 16:10:15 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0727	98.66	1.824	2.284	.0508	34.56	.0487	.4815	.2808
Stddev	.0002	.31	.002	.004	.0001	.12	.0000	.0005	.0010
%RSD	.3303	.3115	.1268	.1802	.1860	.3605	.0771	.1011	.3581
#1	.0728	99.01	1.827	2.287	.0509	34.67	.0487	.4818	.2802
#2	.0725	98.48	1.822	2.285	.0507	34.59	.0487	.4809	.2802
#3	.0729	98.48	1.824	2.279	.0508	34.43	.0487	.4818	.2820
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.6907	88.23	27.53	29.12	1.182	.4614	24.65	5.171	1.503
Stddev	.0020	.27	.03	.17	.002	.0010	.07	.0013	.004
%RSD	.2904	.3034							

Sample Name: CCV Acquired: 12/7/2016 16:14:27 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2540	39.39	1.998	1.979	1.996	40.01	2.008	1.989	1.995
Stddev	.0011	.03	.005	.005	.001	.07	.006	.004	.005
%RSD	.4321	.0870	.2335	.2439	.0559	.1755	.2812	.2009	.2339
#1	.2537	39.35	1.996	1.975	1.996	39.93	2.005	1.988	1.996
#2	.2552	39.41	1.994	1.978	1.996	40.03	2.004	1.986	1.998
#3	.2530	39.41	2.003	1.984	1.994	40.06	2.014	1.994	1.989

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.940	39.46	39.59	39.80	2.020	1.987	40.53	1.996	1.976
Stddev	.002	.03	.14	.17	.005	.004	.11	.004	.005
%RSD	.1026	.0789	.3443	.4180	.2374	.2086	.2637	.1811	.2804
#1	1.940	39.43	39.43	39.98	2.018	1.985	40.41	1.995	1.977
#2	1.938	39.45	39.67	39.85	2.026	1.985	40.62	1.994	1.970
#3	1.942	39.49	39.67	39.77	2.017	1.992	40.56	2.001	1.981

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.993	1.998	1.619	2.007	2.002	1.996	1.972	2.004	2.020
Stddev	.003	.006	.003	.003	.003	.004	.003	.004	.004
%RSD	.1649	.2861	.1978	.1419	.1612	.2130	.1682	.2075	.1860
#1	1.991	1.995	1.620	2.008	1.999	1.997	1.972	2.004	2.021
#2	1.991	1.994	1.616	2.004	2.005	1.999	1.969	2.009	2.017
#3	1.997	2.004	1.622	2.009	2.002	1.991	1.975	2.000	2.024

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 12/7/2016 16:14:27 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1899.3	4705.7	33324.	6604.8
Stddev	3.1	8.9	46.	6.1
%RSD	.16153	.18890	.13729	.09186
#1	1902.2	4710.5	33275.	6611.7
#2	1899.4	4711.2	33331.	6602.7
#3	1896.1	4695.5	33365.	6600.1

Sample Name: CCB Acquired: 12/7/2016 16:18:38 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0151	.0000	.0005	.0002	.0067	.0002	.0002	.0004
Stddev	.0002	.0037	.001	.0001	.0001	.0021	.0001	.0001	.0001
%RSD	62.50	24.62	2787.	17.67	32.24	31.35	32.41	44.58	39.04
#1	.0002	.0181	.0004	.0005	.0002	.0044	.0003	.0003	.0002
#2	.0003	.0110	.0003	.0004	.0003	.0085	.0002	.0003	.0005
#3	.0006	.0164	-.0007	.0006	.0002	.0073	.0001	.0001	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.0118	-.0303	-.0109	.0002	F .0016	-.1471	.0001	.0000
Stddev	.0004	.0008	.0164	.0209	.0001	.0003	.0086	.0001	.000
%RSD	72.45	6.668	54.03	191.7	21.54	20.41	5.873	109.7	2612.
#1	.0004	.0126	-.0491	-.0031	.0003	.0019	-.1560	.0002	-.0004
#2	.0010	.0110	-.0189	.0050	.0003	.0016	-.1388	.0002	.0005
#3	.0002	.0117	-.0230	-.0347	.0002	.0012	-.1466	.0000	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	F .0021	.0003	.0001	.0003	.0006	.0007	.0002	.0003
Stddev	.0007	.0010	.0005	.0002	.0000	.0001	.0021	.0003	.0001
%RSD	74.07	46.42	176.1	216.2	5.947	9.277	324.8	166.6	49.83
#1	.0013	.0013	-.0001	.0001	.0003	.0006	-.0012	-.0001	.0004
#2	.0001	.0019	.0001	.0003	.0003	.0006	.0002	.0004	.0003
#3	.0014	.0032	.0009	-.0001	.0004	.0005	.0030	.0003	.0001

Check ? Chk Pass Chk Fail None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 12/7/2016 16:18:38 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1977.4	4826.2	33527.	6624.1
Stddev	4.2	11.5	93.	14.1
%RSD	.21303	.23913	.27675	.21296
#1	1979.9	4827.5	33463.	6639.2
#2	1979.8	4837.1	33486.	6621.6
#3	1972.6	4814.1	33634.	6611.3

Sample Name: FA38890-1R Acquired: 12/7/2016 16:23:09 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0031	329.0	1.247	2.588	0.015	127.9	-0.012	1.749	7815
Stddev	.0004	1.1	.0012	.006	.0002	.2	.0005	.0005	.0038
%RSD	11.70	.3378	.9909	.2197	2.290	.1507	44.03	.2734	.4851
#1	.0029	328.6	.1261	2.589	.0107	127.7	-.0006	.1743	.7858
#2	.0035	330.3	.1243	2.593	.0105	128.0	-.0015	.1752	.7792
#3	.0028	328.2	.1237	2.582	.0102	128.0	-.0016	.1752	.7794
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.5801	387.8	49.10	90.14	7.628	0.246	6.525	6.714	2.221
Stddev	.0029	1.2	.13	.52	.016	.0009	.010	.0011	.0018
%RSD	.4992	.3218	.2597	.5764	.2069	3.786	.1470	.1679	.8015
#1	.5822	386.7	49.09	89.59	7.640	0.254	6.532	6.702	2.201
#2	.5812	389.2	48.99	90.63	7.633	0.249	6.529	6.724	2.233
#3	.5768	387.5	49.24	90.20	7.610	0.236	6.514	6.716	2.230
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0056	0.060	1.823	0.028	9.959	7.156	0.076	1.070	1.193
Stddev	.0032	.0052	.005	.0024	.0023	.027	.0041	.004	.003
%RSD	57.28	86.24	.2979	10.64	2.375	3.801	5.377	3.453	.2608
#1	.0079	.0022	1.818	.0256	9.563	7.150	.0055	1.074	1.190
#2	.0070	.0039	1.823	.0212	9.606	7.186	.0050	1.069	1.194
#3	.0019	.0119	1.828	.0215	9.599	7.133	.0123	1.067	1.196
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1951.1	5155.0	36217.	7314.8					
Stddev	4.4	1.2	45.	33.4					
%RSD	.22366	.02399	.12538	.45727					
#1	1946.0	5154.8	36170.	7320.3					
#2	1953.1	5156.4	36221.	7279.0					
#3	1954.0	5154.0	36261.	7345.2					

Sample Name: FA38890-2R Acquired: 12/7/2016 16:27:29 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0023	367.7	1.448	2.775	0.012	155.7	-0.011	1.839	8632
Stddev	.0018	.5	.0023	.010	.0003	.8	.0004	.0006	.0040
%RSD	77.24	.1405	1.618	.3574	2.501	4934	35.87	.3306	.4648
#1	.0003	368.2	1.452	2.766	.0115	156.1	-.0014	1.846	8662
#2	.0037	367.1	1.469	2.773	.0110	156.2	-.0007	1.835	8586
#3	.0029	367.7	1.422	2.786	.0111	154.9	-.0014	1.836	8647
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.6462	430.5	54.98	109.8	8.432	0.241	7.290	7.456	2.550
Stddev	.0015	1.5	.11	.2	.029	.0002	.054	.0043	.0079
%RSD	.2381	.3505	.1925	.2086	.3452	.8409	.7418	.5825	3.100
#1	.6471	431.8	54.93	110.0	8.447	0.241	7.326	7.499	2.578
#2	.6445	430.8	54.90	109.9	8.398	0.239	7.316	7.458	2.611
#3	.6471	428.8	55.10	109.6	8.449	0.244	7.228	7.412	2.461
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0040	0.132	1.890	0.032	1.109	8.778	-0.041	1.142	1.426
Stddev	.0025	.0060	.006	.0017	.001	.018	.0017	.005	.002
%RSD	63.09	45.61	.3075	7.519	1.207	2.032	40.46	.4834	.1406
#1	.0018	.0145	1.895	.0242	1.111	8.779	-.0047	1.145	1.428
#2	.0067	.0067	1.892	.0212	1.109	8.759	-.0054	1.136	1.425
#3	.0034	.0185	1.884	.0242	1.108	8.795	-.0022	1.146	1.425
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1956.1	5211.0	36402.	7287.4					
Stddev	5.6	4.6	101.	42.0					
%RSD	.28501	.08763	.27653	.57696					
#1	1959.4	5211.1	36448.	7269.3					
#2	1959.2	5215.6	36471.	7257.4					
#3	1949.6	5206.4	36286.	7335.4					

7.3
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Sample Name: FA38890-3R Acquired: 12/7/2016 16:31:49 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0029	334.3	1.290	2.360	0.097	151.8	-0.014	1.629	7711
Stddev	.0004	.8	.0019	.004	.0002	.2	.0002	.0006	.0032
%RSD	14.47	.2381	1.506	.1855	2.033	.1605	11.77	.3760	.4088
#1	.0030	333.8	1.280	2.358	.0095	151.7	-.0015	1.622	.7708
#2	.0032	335.2	1.277	2.365	.0096	151.6	-.0012	1.631	.7681
#3	.0024	333.8	1.312	2.356	.0099	152.1	-.0014	1.634	.7744
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5559	389.8	48.55	103.6	7.575	0.225	6.396	6.574	2.167
Stddev	.0007	.3	.29	.5	.016	.0001	.060	.0007	.0037
%RSD	.1260	.0845	.5876	.5037	.2119	.4971	.9411	.1018	1.717
#1	.5564	389.7	48.60	104.2	7.593	0.225	6.450	6.567	2.208
#2	.5551	389.5	48.81	103.2	7.567	0.227	6.407	6.580	2.135
#3	.5562	390.1	48.25	103.3	7.564	0.225	6.331	6.574	2.159
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0032	0.038	1.948	0.032	1.017	8.780	0.005	1.037	1.256
Stddev	.0014	.0049	.011	.0014	.003	.014	.0056	.001	.001
%RSD	44.61	130.1	.5757	6.015	.3251	.1607	1078.	.0860	.0979
#1	.0029	.0002	1.936	.0226	1.014	8.785	-.0008	1.036	1.255
#2	.0019	.0018	1.950	.0221	1.020	8.764	.0066	1.036	1.257
#3	.0047	.0094	1.958	.0247	1.017	8.791	-.0043	1.038	1.255
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1956.9	5139.1	35863.	7177.2					
Stddev	1.5	9.5	97.	33.5					
%RSD	.07638	.18545	.27043	.46744					
#1	1957.6	5150.0	35778.	7143.9					
#2	1955.2	5132.2	35969.	7210.9					
#3	1957.9	5135.0	35843.	7176.7					

Sample Name: FA39245-1 Acquired: 12/7/2016 16:36:09 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0002	32.43	0.033	1.823	0.010	80.62	0.004	0.016	0.285
Stddev	.0004	.03	.0010	.0008	.0001	.20	.0000	.0001	.0004
%RSD	227.0	.1074	31.04	4.270	6.553	2.442	8.192	6.066	1.296
#1	.0001	32.43	0.023	1.814	.0009	80.45	.0004	.0014	.0289
#2	.0000	32.46	0.034	1.828	.0010	80.58	.0004	.0016	.0282
#3	-.0006	32.39	0.043	1.827	.0010	80.84	.0005	.0016	.0283
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0115	4.646	5.457	1.520	0.690	0.010	0.246	0.162	1.173
Stddev	.0001	.020	.0199	.004	.0002	.0002	.0011		

Sample Name: MP31286-MB1 Acquired: 12/7/2016 16:53:44 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1961.5	4779.8	33086.	6807.2
Stddev	7.3	6.9	70.	42.0
%RSD	.37167	.14421	.21304	.61692
#1	1965.3	4779.8	33119.	6813.1
#2	1953.1	4772.9	33005.	6762.5
#3	1966.1	4786.7	33135.	6845.9

Sample Name: MP31286-B1 Acquired: 12/7/2016 16:58:16 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0455	27.93	2.056	2.099	.0539	26.78	.0524	.5173	.2096
Stddev	.0001	.07	.002	.008	.0003	.10	.0001	.0011	.0009
%RSD	.1899	.2418	.0941	.3954	.5273	.3871	.1992	.2216	.4433
#1	.0454	27.89	2.054	2.090	.0537	26.74	.0525	.5180	.2090
#2	.0455	28.01	2.057	2.106	.0542	26.90	.0524	.5179	.2091
#3	.0456	27.90	2.057	2.102	.0538	26.71	.0523	.5160	.2107

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.2585	27.72	26.23	25.79	.5342	.5389	26.73	.5302	.5091
Stddev	.0007	.08	.12	.10	.0010	.0007	.10	.0008	.0009
%RSD	.2541	.2884	.4709	.3881	.1839	.1247	.3616	.1434	.1799
#1	.2577	27.64	26.09	25.80	.5336	.5395	26.64	.5310	.5086
#2	.2589	27.80	26.33	25.88	.5354	.5392	26.83	.5295	.5085
#3	.2588	27.72	26.27	25.68	.5337	.5382	26.73	.5302	.5101

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.5191	2.026	.0118	.5321	.5379	.5339	2.022	.5045	.5269
Stddev	.0019	.004	.0003	.0015	.0017	.0004	.003	.0018	.0010
%RSD	.3602	.2103	2.637	.2899	.3145	.0661	.1575	.3608	.1981
#1	.5205	2.031	.0117	.5335	.5362	.5337	2.019	.5036	.5280
#2	.5198	2.027	.0121	.5305	.5396	.5343	2.021	.5066	.5259
#3	.5170	2.022	.0115	.5322	.5380	.5336	2.025	.5033	.5268

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

7.3
7

Sample Name: MP31286-B1 Acquired: 12/7/2016 16:58:16 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1933.4	4709.8	33317.	6668.5
Stddev	1.8	8.4	51.	48.7
%RSD	.09214	.17826	.15226	.73008
#1	1934.9	4708.4	33299.	6675.8
#2	1931.4	4702.2	33278.	6616.5
#3	1933.8	4718.9	33374.	6713.1

Sample Name: FA39100-5L Acquired: 12/7/2016 17:02:32 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	-0.001	.0158	-0.0005	.1178	-0.0001	70.54	.0064	.0005	.0022
Stddev	.0002	.0024	.0003	.0001	.0000	.26	.0000	.0001	.0004
%RSD	147.2	14.88	55.07	.0769	30.23	.3735	.4283	12.71	17.69
#1	.0001	.0167	-0.0003	.1179	-0.0001	70.52	.0064	.0005	.0026
#2	-0.0003	.0131	-0.0004	.1178	-0.0001	70.81	.0064	.0006	.0019
#3	-0.0001	.0176	-0.0009	.1178	-0.0001	70.28	.0064	.0004	.0020

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.0350	.0076	.8868	5.549	.1047	.0012	F 158.4	.0146	.0485
Stddev	.0004	.0013	.0072	.060	.0004	.0001	2.5	.0001	.0004
%RSD	1.127	17.20	.8169	1.082	.3540	11.51	1.563	.6602	.8922
#1	.0354	.0062	.8856	5.525	.1043	.0013	159.8	.0146	.0487
#2	.0349	.0079	.8803	5.617	.1050	.0013	159.9	.0145	.0480
#3	.0347	.0088	.8946	5.505	.1049	.0011	155.6	.0147	.0488

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.0014	.0034	.2503	.0008	.2705	.0012	-0.001	.0000	F 4.693
Stddev	.0006	.0008	.0008	.0003	.0004	.0000	.0013	.0000	.001
%RSD	43.81	24.29	.3128	40.82	.1307	1.169	2038.	1037.	.0275
#1	.0008	.0033	.2498	.0006	.2704	.0012	.0010	-0.001	4.691
#2	.0020	.0026	.2512	.0012	.2709	.0012	.0003	.0001	4.694
#3	.0014	.0043	.2499	.0007	.2703	.0012	-0.0014	.0000	4.692

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1947.7	4690.6	33735.	6624.2
Stddev	2.0	8.9	69.	54.7
%RSD	.10312	.18959	.20394	.82573
#1	1946.3	4686.3	33809.	6601.1
#2	1946.9	4684.6	33673.	6584.8
#3	1950.0	4700.8	33724.	6686.7

Sample Name: CCV Acquired: 12/7/2016 17:07:00 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2547	39.12	2.030	1.968	2.005	40.46	2.037	2.005	2.009
Stddev	.0009	.20	.008	.010	.013	.21	.002	.001	.006
%RSD	.3533	.5102	.3974	.5155	.6540	.5226	.0972	.0717	.2881
#1	.2541	39.24	2.021	1.972	2.011	40.51	2.035	2.004	2.007
#2	.2557	39.24	2.033	1.976	2.013	40.65	2.039	2.006	2.015
#3	.2542	38.89	2.036	1.957	1.990	40.23	2.037	2.004	2.004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.936	39.42	39.92	39.38	2.056	2.005	40.80	2.031	2.002
Stddev	.010	.20	.09	.24	.001	.001	.16	.004	.005
%RSD	.5343	.5007	.2191	.6014	.0414	.0565	.3990	.1707	.2300
#1	1.926	39.57	39.95	39.54	2.055	2.004	40.85	2.029	1.997
#2	1.936	39.50	39.99	39.49	2.055	2.004	40.94	2.035	2.007
#3	1.947	39.20	39.82	39.11	2.056	2.006	40.62	2.030	2.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.022	2.021	1.642	2.021	2.022	2.022	2.000	2.036	2.063
Stddev	.003	.002	.002	.003	.011	.006	.005	.001	.004
%RSD	.1244	.0752	.1185	.1238	.5389	.3237	.2540	.0512	.1907
#1	2.019	2.021	1.640	2.018	2.026	2.015	1.995	2.035	2.061
#2	2.024	2.023	1.642	2.023	2.030	2.022	2.005	2.037	2.068
#3	2.022	2.020	1.644	2.021	2.009	2.028	2.001	2.037	2.061

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 12/7/2016 17:07:00 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1900.3	4682.7	33098.	6593.9
Stddev	4.1	8.1	72.	53.4
%RSD	.21833	.17309	.21846	.80953
#1	1899.5	4678.2	33181.	6558.3
#2	1896.6	4677.8	33060.	6568.2
#3	1904.8	4692.0	33052.	6655.3

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.936	39.42	39.92	39.38	2.056	2.005	40.80	2.031	2.002
Stddev	.010	.20	.09	.24	.001	.001	.16	.004	.005
%RSD	.5343	.5007	.2191	.6014	.0414	.0565	.3990	.1707	.2300
#1	1.926	39.57	39.95	39.54	2.055	2.004	40.85	2.029	1.997
#2	1.936	39.50	39.99	39.49	2.055	2.004	40.94	2.035	2.007
#3	1.947	39.20	39.82	39.11	2.056	2.006	40.62	2.030	2.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.022	2.021	1.642	2.021	2.022	2.022	2.000	2.036	2.063
Stddev	.003	.002	.002	.003	.011	.006	.005	.001	.004
%RSD	.1244	.0752	.1185	.1238	.5389	.3237	.2540	.0512	.1907
#1	2.019	2.021	1.640	2.018	2.026	2.015	1.995	2.035	2.061
#2	2.024	2.023	1.642	2.023	2.030	2.022	2.005	2.037	2.068
#3	2.022	2.020	1.644	2.021	2.009	2.028	2.001	2.037	2.061

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCB Acquired: 12/7/2016 17:11:12 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0195	.0001	.0008	.0006	.0217	.0003	.0003	.0004
Stddev	.0001	.0070	.0006	.0002	.0001	.0029	.0001	.0001	.0004
%RSD	33.99	35.71	520.8	21.83	11.98	13.43	23.94	19.07	95.33
#1	.0003	.0135	.0008	.0008	.0006	.0184	.0004	.0003	.0009
#2	.0005	.0178	-.0003	.0010	.0006	.0233	.0003	.0004	.0002
#3	.0002	.0272	-.0002	.0007	.0007	.0236	.0003	.0002	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	.0155	.0162	.0095	.0006	F .0016	-.1329	.0003	.0001
Stddev	.0002	.0037	.0229	.0080	.0001	.0004	.0045	.0001	.0002
%RSD	15.35	23.80	141.7	84.21	15.68	22.32	3.351	49.03	188.1
#1	.0013	.0147	.0423	.0141	.0007	.0020	-.1322	.0003	.0002
#2	.0017	.0195	.0062	.0142	.0005	.0017	-.1377	.0004	.0002
#3	.0014	.0122	.0000	.0003	.0005	.0012	-.1289	.0001	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit
 .0010
 -.0010

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	.0015	.0006	.0006	.0007	.0008	.0006	.0003	.0007
Stddev	.0009	.0019	.0002	.0002	.0001	.0001	.0009	.0001	.0001
%RSD	64.70	123.9	36.25	26.87	10.21	14.56	141.8	15.95	16.89
#1	.0020	.0017	.0009	.0004	.0006	.0009	-.0001	.0003	.0007
#2	.0020	.0033	.0005	.0006	.0008	.0007	.0003	.0004	.0007
#3	.0004	-.0004	.0005	.0008	.0008	.0008	.0016	.0004	.0005

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 12/7/2016 17:11:12 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1974.0	4798.5	33013.	6610.3
Stddev	.4	6.8	98.	26.9
%RSD	.01981	.14195	.29658	.40660
#1	1973.7	4796.3	33016.	6627.4
#2	1974.0	4793.0	32914.	6579.4
#3	1974.5	4806.1	33110.	6624.3

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	.0155	.0162	.0095	.0006	F .0016	-.1329	.0003	.0001
Stddev	.0002	.0037	.0229	.0080	.0001	.0004	.0045	.0001	.0002
%RSD	15.35	23.80	141.7	84.21	15.68	22.32	3.351	49.03	188.1
#1	.0013	.0147	.0423	.0141	.0007	.0020	-.1322	.0003	.0002
#2	.0017	.0195	.0062	.0142	.0005	.0017	-.1377	.0004	.0002
#3	.0014	.0122	.0000	.0003	.0005	.0012	-.1289	.0001	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit
 .0010
 -.0010

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	.0015	.0006	.0006	.0007	.0008	.0006	.0003	.0007
Stddev	.0009	.0019	.0002	.0002	.0001	.0001	.0009	.0001	.0001
%RSD	64.70	123.9	36.25	26.87	10.21	14.56	141.8	15.95	16.89
#1	.0020	.0017	.0009	.0004	.0006	.0009	-.0001	.0003	.0007
#2	.0020	.0033	.0005	.0006	.0008	.0007	.0003	.0004	.0007
#3	.0004	-.0004	.0005	.0008	.0008	.0008	.0016	.0004	.0005

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: MP31286-D1 Acquired: 12/7/2016 17:15:42 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.001	.0112	-0.014	.1168	-0.001	70.41	.0064	.0004	.0022
Stddev	.0000	.0022	.0004	.0001	.0001	.08	.0001	.0001	.0001
%RSD	50.37	19.87	29.75	.0652	135.7	.1165	.9868	21.86	6.422
#1	-.0001	.0125	-.0019	.1167	.0000	70.31	.0064	.0004	.0023
#2	-.0000	.0086	-.0013	.1168	.0000	70.44	.0065	.0005	.0021
#3	-.0001	.0124	-.0010	.1169	-.0002	70.47	.0064	.0003	.0022
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0352	.0021	.9290	5.502	.1049	.0013	F 159.3	.0148	.0479
Stddev	.0003	.0010	.0108	.014	.0001	.0001	.2	.0001	.0013
%RSD	.8980	50.74	1.165	.2553	.1193	4.601	.1183	.9198	2.709
#1	.0355	.0023	.9228	5.492	.1050	.0013	159.3	.0150	.0486
#2	.0349	.0030	.9226	5.518	.1048	.0012	159.4	.0148	.0464
#3	.0353	.0009	.9415	5.496	.1050	.0013	159.0	.0148	.0487
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(In2306)
Avg	.0010	.0043	.2563	.0010	.2709	.0010	-0.009	-0.002	F 4.707
Stddev	.0011	.0003	.0042	.0001	.0002	.0001	.0013	.0001	.011
%RSD	114.3	6.478	1.638	13.48	.0756	13.20	143.9	42.12	.2381
#1	.0008	.0044	.2529	.0011	.2712	.0009	-.0009	-.0001	4.696
#2	.0000	.0045	.2610	.0011	.2708	.0012	.0004	-.0003	4.719
#3	.0022	.0040	.2550	.0008	.2708	.0010	-.0021	-.0003	4.706
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1941.9	4667.7	3347.2	6644.1					
Stddev	8.5	5.9	18.	10.1					
%RSD	.43974	.12606	.05491	.15181					
#1	1932.2	4661.6	3349.0	6653.5					
#2	1945.6	4668.4	3347.2	6645.3					
#3	1948.0	4673.3	3345.3	6633.5					

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Sample Name: MP31286-SD1 Acquired: 12/7/2016 17:20:07 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0006	.0325	.0001	.1073	-0.002	65.90	.0061	.0005	.0014
Stddev	.0022	.0101	.0035	.0003	.0001	.02	.0002	.0002	.0005
%RSD	353.4	31.06	2614.	.3078	53.72	.0302	3.446	47.77	37.64
#1	.0005	.0369	.0042	.1074	-.0001	65.89	.0061	.0007	.0011
#2	.0028	.0210	-.0019	.1075	-.0003	65.92	.0063	.0004	.0012
#3	-.0015	.0398	-.0020	.1069	-.0002	65.88	.0058	.0003	.0021
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0349	-0.0035	.6751	5.173	.0992	.0025	148.6	.0144	.0437
Stddev	.0016	.0019	.1498	.048	.0006	.0005	.2	.0003	.0029
%RSD	4.533	54.75	22.19	.9214	.6336	18.42	.1347	1.950	6.545
#1	.0358	-.0013	.5107	5.163	.0989	.0022	148.3	.0147	.0405
#2	.0358	-.0042	.8038	5.225	.0999	.0023	148.7	.0142	.0461
#3	.0331	-.0049	.7109	5.131	.0988	.0031	148.6	.0142	.0444
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0047	.0168	.2317	.0002	.2518	.0022	.0056	-0.0007	4.520
Stddev	.0065	.0044	.0042	.0009	.0005	.0007	.0031	.0017	.006
%RSD	137.8	26.38	1.792	380.4	.2074	33.08	55.91	228.1	.1280
#1	-.0026	.0117	.2294	.0011	.2514	.0027	.0026	-.0003	4.517
#2	.0097	.0194	.2292	-.0007	.2516	.0026	.0088	.0007	4.516
#3	.0070	.0192	.2365	.0004	.2524	.0014	.0055	-.0026	4.526
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1994.3	4787.9	3369.0	6718.6					
Stddev	8.7	4.3	199.	35.8					
%RSD	.43449	.08956	.59012	.53271					
#1	1987.9	4787.3	3355.2	6746.2					
#2	1990.8	4783.9	3360.0	6678.2					
#3	2004.2	4792.4	3391.8	6731.4					

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7.3
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Sample Name: MP31286-S1 Acquired: 12/7/2016 17:24:34 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0461	28.27	2.106	2.198	.0546	97.45	.0587	.5155	.2104
Stddev	.0002	.10	.003	.009	.0002	.41	.0002	.0009	.0003
%RSD	.3508	.3710	.1254	.3985	.4203	.4199	.3007	.1831	.1453
#1	.0463	28.35	2.109	2.206	.0549	97.88	.0588	.5163	.2103
#2	.0460	28.29	2.106	2.199	.0545	97.06	.0585	.5145	.2102
#3	.0462	28.15	2.103	2.189	.0544	97.40	.0588	.5159	.2108
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3012	27.87	28.34	30.83	.6365	.5417	F 185.9	.5458	.5634
Stddev	.0011	.10	.05	.16	.0012	.0005	2.8	.0008	.0020
%RSD	.3695	.3425	.1902	.5348	.1913	.0995	1.485	.1412	.3614
#1	.3003	27.98	28.35	31.01	.6351	.5419	188.8	.5463	.5622
#2	.3008	27.85	28.38	30.78	.6372	.5411	185.4	.5449	.5623
#3	.3024	27.79	28.28	30.69	.6373	.5421	183.3	.5462	.5658
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5246	2.068	.2708	.5287	.8183	.5417	2.062	.5109	F 5.199
Stddev	.0007	.004	.0020	.0006	.0015	.0013	.005	.0026	.007
%RSD	.1276	.1945	.7285	.1043	.1846	.2371	.2595	.5106	.1403
#1	.5252	2.071	.2707	.5292	.8190	.5402	2.062	.5091	5.198
#2	.5246	2.068	.2689	.5288	.8193	.5422	2.068	.5098	5.192
#3	.5239	2.063	.2729	.5281	.8166	.5426	2.057	.5139	5.207
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1887.6	4616.8	3316.6	6574.5					
Stddev	1.3	6.7	63.	44.2					
%RSD	.06693	.14480	.18897	.67257					
#1	1887.9	4609.7	3322.1	6523.6					
#2	1886.2	4617.7	3317.9	6596.4					
#3	1888.7	4623.0	3309.8	6603.4					

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Sample Name: MP31286-S2 Acquired: 12/7/2016 17:28:56 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0467	28.08	2.097	2.183	.0543	97.61	.0587	.5147	.2100
Stddev	.0004	.14	.000	.007	.0003	.68	.0001	.0002	.0005
%RSD	.8336	.5104	.0104	.3338	.5531	.6949	.1935	.0370	.2556
#1	.0463	28.19	2.097	2.186	.0542	98.31	.0588	.5145	.2098
#2	.0471	28.13	2.097	2.188	.0547	97.58	.0586	.5147	.2106
#3	.0468	27.92	2.096	2.174	.0541	96.95	.0586	.5149	.2095
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3003	27.69	28.27	31.05	.6372	.5414	F 185.4	.5436	.5608
Stddev	.0013	.09	.06	.22	.0015	.0004	3.0	.0010	.0006

Sample Name: FA39100-1L Acquired: 12/7/2016 17:33:17 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.0102	-0.0007	.0896	.0000	57.47	.0108	.0003	.0022
Stddev	.0002	.0114	.0005	.0003	.0001	.23	.0000	.0000	.0003
%RSD	266.4	111.4	77.67	.3285	4991.	.4063	.3342	15.80	15.68
#1	-.0001	-.0024	-.0011	.0897	.0000	57.28	.0108	.0003	.0026
#2	-.0002	.0132	-.0009	.0898	.0000	57.41	.0109	.0003	.0020
#3	.0001	.0198	-.0001	.0892	.0001	57.73	.0108	.0002	.0020
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0034	.0099	1.512	3.657	.0620	.0010	F 156.5	.0043	.0464
Stddev	.0003	.0004	.026	.010	.0002	.0001	1.2	.0001	.0016
%RSD	9.428	3.766	1.726	.2805	.2451	11.11	.7780	2.802	3.378
#1	.0037	.0096	1.512	3.658	.0620	.0010	155.6	.0043	.0472
#2	.0035	.0098	1.539	3.667	.0618	.0011	156.1	.0042	.0475
#3	.0031	.0103	1.487	3.647	.0621	.0009	157.9	.0044	.0446
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0014	.0019	.1927	.0006	.2207	.0011	.0001	.0000	F 8.628
Stddev	.0013	.0012	.0003	.0001	.0003	.0001	.0024	.0001	.022
%RSD	88.73	63.74	.1730	13.70	1.228	8.115	4.163	823.0	.2605
#1	.0000	.0033	.1931	.0005	.2209	.0012	-.0013	.0002	8.636
#2	.0024	.0018	.1925	.0006	.2208	.0011	-.0029	.0000	8.603
#3	.0019	.0008	.1924	.0007	.2204	.0011	-.0014	-.0001	8.646
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1937.3	4658.4	3347.5	6586.7					
Stddev	6.1	3.0	35.	64.6					
%RSD	.31328	.06511	.10389	.98034					
#1	1935.6	4661.7	3351.5	6647.0					
#2	1932.3	4655.7	3345.7	6594.4					
#3	1944.0	4657.9	3345.2	6518.6					

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Sample Name: FA39100-4L Acquired: 12/7/2016 17:37:44 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0004	.0132	-0.0016	.0967	.0000	73.69	.0069	.0003	.0014
Stddev	.0004	.0080	.0010	.0001	.000	.20	.0000	.0001	.0003
%RSD	106.2	60.57	64.22	.1072	61.89	.2754	.5756	51.85	20.60
#1	.0007	.0169	-.0023	.0968	.0000	73.56	.0069	.0002	.0013
#2	-.0004	.0040	-.0004	.0967	.0000	73.58	.0069	.0004	.0018
#3	-.0001	.0186	-.0021	.0966	-.0001	73.92	.0069	.0002	.0013
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0262	.0004	.9417	4.073	.0676	.0008	F 160.5	.0066	.0324
Stddev	.0002	.0023	.0270	.017	.0004	.0001	.2	.0003	.0006
%RSD	.5923	558.8	2.862	.4123	.6413	6.554	.1348	3.808	1.908
#1	.0264	-.0016	.9403	4.063	.0671	.0009	160.7	.0068	.0329
#2	.0261	.0000	.9154	4.062	.0677	.0008	160.6	.0067	.0317
#3	.0262	.0028	.9693	4.092	.0680	.0009	160.3	.0063	.0324
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0025	.0050	.2262	.0008	.2921	.0010	.0018	-.0002	F 5.942
Stddev	.0015	.0020	.0015	.0003	.0013	.0001	.0016	.0002	.019
%RSD	62.62	39.72	.6590	34.58	.4364	7.639	87.87	124.3	.3144
#1	.0042	.0048	.2256	.0008	.2927	.0009	.0034	-.0003	5.963
#2	.0015	.0031	.2252	.0010	.2930	.0010	.0002	-.0003	5.926
#3	.0016	.0071	.2279	.0005	.2907	.0010	.0018	.0001	5.939
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1937.8	4648.5	3352.1	6612.6					
Stddev	5.4	12.0	89.	57.5					
%RSD	.27840	.25762	.26571	.86927					
#1	1932.1	4639.5	3357.4	6651.5					
#2	1942.9	4662.1	3357.0	6639.7					
#3	1938.4	4644.0	3341.8	6546.6					

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7.3
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Sample Name: FA39100-6L Acquired: 12/7/2016 17:42:08 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.0098	-0.0017	.1053	-0.0001	69.39	.0074	.0004	.0025
Stddev	.0001	.0042	.0001	.0001	.0000	.03	.0001	.0001	.0001
%RSD	375.3	43.54	6.714	.0624	55.00	.0439	.7662	21.59	2.804
#1	.0001	.0065	-.0017	.1052	.0000	69.35	.0074	.0005	.0025
#2	-.0001	.0082	-.0016	.1053	-.0001	69.40	.0074	.0003	.0025
#3	.0001	.0146	-.0018	.1054	-.0001	69.41	.0073	.0003	.0026
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0305	-.0004	1.030	5.701	.1606	.0012	F 160.3	.0155	.0382
Stddev	.0001	.0017	.016	.041	.0005	.0001	.9	.0001	.0001
%RSD	.4899	378.5	1.580	.7238	.3352	11.70	.5405	.3310	.3635
#1	.0307	-.0023	1.014	5.653	.1606	.0012	159.9	.0155	.0380
#2	.0305	.0000	1.029	5.729	.1601	.0014	161.3	.0154	.0383
#3	.0304	.0010	1.046	5.720	.1612	.0011	159.8	.0155	.0382
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0017	.0026	.2612	.0008	.2748	.0009	-.0001	-.0002	F 4.637
Stddev	.0004	.0011	.0019	.0002	.0007	.0001	.0018	.0002	.006
%RSD	20.71	43.70	.7259	26.80	.2432	8.139	3392.	115.1	.1399
#1	.0019	.0014	.2633	.0006	.2755	.0009	.0005	-.0004	4.637
#2	.0018	.0037	.2605	.0010	.2742	.0008	-.0020	.0000	4.630
#3	.0013	.0028	.2597	.0007	.2746	.0009	.0013	-.0002	4.643
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1940.5	4655.8	3344.1	6583.4					
Stddev	4.1	5.0	71.	16.6					
%RSD	.20975	.10798	.21340	.25149					
#1	1940.8	4650.3	3351.6	6602.6					
#2	1936.3	4657.1	3337.4	6573.8					
#3	1944.4	4660.1	3343.2	6573.9					

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Sample Name: FA39100-9L Acquired: 12/7/2016 17:46:40 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.0159	-0.0021	.0573	-.0001	69.01	.0084	.0005	.0017
Stddev	.0002	.0088	.0008	.0002	.0000	.31	.0001	.0002	.0002
%RSD	909.4	55.60	37.37	.2898	51.55	.4470	.6301	32.05	11.38
#1	-.0002	.0233	-.0028	.0571	-.0001	69.02	.0084	.0007	.0016
#2	.0002	.0182	-.0022	.0575	.0000	69.31	.0085	.0004	.0019
#3	.0001	.0061	-.0013	.0573	-.0001	68.69	.0084	.0004	.0015
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0162	.0000	1.512	4.308	.1298	.0009	F 161.3	.0095	.0244
Stddev	.0001	.002	.018	.032	.0003	.0002	.3	.0001	.0013
%RSD	.6817	1122.0	1.208	.7517	.2117	21.02	.1654	1.395	5.217
#1	.0162	-.0025	1.515	4.283	.1299	.0008	161.2	.0097	.0256
#2	.0162	.0024	1.493	4.345	.1300	.0008	161.5	.0095	.0247
#3	.0164	.0000	1.529	4.297	.1295	.0011	161.0	.0094	.023

Sample Name: FA39100-10L Acquired: 12/7/2016 17:51:04 Type: Unk
Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.0127	-.0012	.0419	-.0001	70.73	.0105	.0005	.0015
Stddev	.0002	.0056	.0006	.0002	.0000	.08	.0001	.0001	.0004
%RSD	290.0	43.75	46.97	.3664	56.67	.1092	.6068	13.22	28.64
#1	-.0001	.0077	-.0015	.0419	-.0001	70.82	.0106	.0006	.0011
#2	-.0001	.0118	-.0015	.0417	-.0001	70.69	.0104	.0005	.0013
#3	.0002	.0187	-.0005	.0420	.0000	70.68	.0105	.0005	.0019
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0264	.0037	1.549	2.996	.1270	.0009	F 139.8	.0099	.0170
Stddev	.0003	.0008	.009	.039	.0001	.0000	.4	.0001	.0003
%RSD	.9921	22.67	.5611	1.307	.1132	1.929	.2945	1.462	1.908
#1	.0267	.0044	1.559	2.971	.1272	.0009	140.0	.0101	.0167
#2	.0262	.0041	1.545	2.975	.1269	.0009	140.0	.0100	.0173
#3	.0263	.0028	1.543	3.041	.1270	.0008	139.3	.0098	.0172
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0012	.0027	.3210	.0005	.3809	.0009	.0009	.0000	3.591
Stddev	.0011	.0012	.0008	.0001	.0009	.0001	.0013	.0001	.005
%RSD	96.68	44.92	.2567	30.15	.2281	8.081	144.0	195.7	1.354
#1	.0025	.0013	.3201	.0004	.3816	.0009	-.0005	.0000	3.589
#2	.0007	.0037	.3217	.0006	.3812	.0010	.0021	.0000	3.588
#3	.0004	.0031	.3211	.0003	.3799	.0009	.0010	.0001	3.597
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1944.3	4644.0	3344.2	6583.5					
Stddev	3.6	1.5	75	9.8					
%RSD	.18481	.03313	.22412	.14945					
#1	1942.0	4644.5	3352.5	6582.9					
#2	1948.5	4645.3	3342.3	6593.6					
#3	1942.5	4642.3	3337.8	6573.9					

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Sample Name: FA39100-11L Acquired: 12/7/2016 17:55:30 Type: Unk
Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.0161	-.0013	.0391	-.0001	68.93	.0054	.0003	.0033
Stddev	.0000	.0024	.0001	.0002	.0001	.25	.0001	.0001	.0002
%RSD	66.50	15.01	7.092	.5325	107.4	.3697	1.385	42.47	6.047
#1	.0001	.0145	-.0014	.0392	-.0001	68.71	.0053	.0004	.0032
#2	.0000	.0189	-.0013	.0393	.0000	68.86	.0054	.0005	.0033
#3	.0001	.0150	-.0012	.0389	.0000	69.21	.0055	.0002	.0036
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0081	.0041	1.611	4.705	.1166	.0005	F 138.4	.0032	.0126
Stddev	.0001	.0009	.012	.064	.0003	.0002	.3	.0001	.0002
%RSD	1.777	21.85	.7133	1.360	.2543	37.49	.2118	1.815	1.342
#1	.0080	.0034	1.621	4.670	.1165	.0007	138.1	.0032	.0126
#2	.0080	.0037	1.598	4.665	.1169	.0005	138.6	.0033	.0124
#3	.0083	.0051	1.612	4.778	.1164	.0003	138.4	.0033	.0127
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0010	.0031	.3536	.0006	.3450	.0011	.0002	.0002	2.995
Stddev	.0004	.0016	.0027	.0001	.0014	.0001	.0023	.0003	.006
%RSD	44.15	52.30	.7597	24.75	.3991	12.41	979.0	167.8	.2093
#1	.0012	.0046	.3518	.0007	.3439	.0013	-.0018	.0000	2.988
#2	.0013	.0032	.3522	.0004	.3466	.0010	.0027	.0006	2.998
#3	.0005	.0014	.3566	.0006	.3446	.0011	-.0003	.0000	2.999
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1950.7	4657.7	3351.3	6685.2					
Stddev	5.6	10.1	124	45.4					
%RSD	.28836	.21727	.37059	.67909					
#1	1944.2	4659.5	3365.1	6706.9					
#2	1953.4	4666.9	3348.0	6715.7					
#3	1954.4	4646.9	3340.9	6633.0					

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7.3
7

Sample Name: CCV Acquired: 12/7/2016 17:59:56 Type: QC
Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.548	38.95	2.067	1.940	2.017	40.80	2.063	2.017	2.019
Stddev	.0015	.08	.012	.005	.004	.07	.005	.004	.007
%RSD	.5826	.1972	.5667	.2352	.2245	.1827	.2318	.1932	.3263
#1	.2548	39.03	2.054	1.945	2.019	40.82	2.059	2.013	2.020
#2	.2534	38.94	2.068	1.937	2.020	40.87	2.063	2.017	2.012
#3	.2564	38.88	2.078	1.938	2.012	40.72	2.068	2.021	2.025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.933	39.52	40.26	39.08	2.076	2.020	40.71	2.068	2.016
Stddev	.004	.11	.09	.10	.003	.004	.06	.006	.003
%RSD	.2032	.2678	.2154	.2489	.1307	.2159	.1540	.3080	.1346
#1	1.934	39.59	40.28	39.18	2.073	2.016	40.78	2.061	2.017
#2	1.929	39.58	40.17	39.07	2.076	2.020	40.71	2.069	2.018
#3	1.937	39.40	40.34	38.99	2.078	2.025	40.65	2.073	2.013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.052	2.037	1.667	2.019	2.039	2.052	2.018	2.064	2.105
Stddev	.007	.007	.006	.003	.005	.002	.004	.003	.004
%RSD	.3271	.3347	.3765	.1232	.2545	.0973	.1727	.1343	.2012
#1	2.044	2.030	1.661	2.017	2.044	2.054	2.015	2.064	2.101
#2	2.056	2.037	1.667	2.019	2.034	2.051	2.018	2.062	2.106
#3	2.056	2.043	1.673	2.022	2.038	2.051	2.022	2.067	2.109
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 12/7/2016 17:59:56 Type: QC
Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	1901.4	4642.0	3309.9	6600.4					
Stddev	4.7	13.4	122	13.2					
%RSD	.24576	.28926	.36763	.19964					
#1	1906.7	4657.0	3320.0	6614.7					
#2	1898.0	4638.2	3313.3	6597.5					
#3	1899.4	4630.9	3296.4	6588.9					

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Sample Name: CCB Acquired: 12/7/2016 18:04:08 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0117	-0.002	.0006	.0004	.0179	.0003	.0003	.0004
Stddev	.0004	.0096	.0007	.0002	.0000	.0018	.0001	.0001	.0003
%RSD	138.6	82.35	418.2	34.37	7.177	10.11	36.81	34.25	73.74

#1	.0005	.0223	.0004	.0007	.0004	.0166	.0004	.0004	.0007
#2	-0.002	.0089	-0.009	.0004	.0004	.0199	.0002	.0002	.0001
#3	.0005	.0037	.0001	.0008	.0004	.0171	.0002	.0002	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	.0119	.0036	.0007	.0004	F .0018	-0.0999	.0005	-0.0003
Stddev	.0002	.0020	.0138	.0198	.0001	.0003	.0045	.0001	.0007
%RSD	12.64	16.67	386.6	2712.	15.48	16.03	4.514	26.66	220.9

#1	.0015	.0114	.0025	.0071	.0004	.0021	-1.050	.0006	.0002
#2	.0014	.0141	-0.0097	-.0215	.0005	.0017	-.0981	.0006	-0.0012
#3	.0018	.0102	.0179	.0166	.0005	.0016	-0.966	.0003	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	.0011	.0007	.0002	.0005	.0007	.0008	.0002	.0006
Stddev	.0010	.0011	.0002	.0002	.0000	.0001	.0012	.0001	.0001
%RSD	78.16	97.17	23.62	73.63	8.372	19.23	140.5	57.31	16.17

#1	.0023	.0020	.0006	.0001	.0005	.0008	.0003	.0004	.0008
#2	.0004	-0.001	.0008	.0004	.0005	.0007	.0022	.0003	.0006
#3	.0011	.0015	.0006	.0003	.0005	.0006	.0000	.0001	.0006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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Sample Name: CCB Acquired: 12/7/2016 18:04:08 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1969.9	4752.4	33112.	6662.0
Stddev	3.2	1.1	139.	52.9
%RSD	.16094	.02366	.42059	.79408

#1	1973.3	4752.2	33264.	6708.8
#2	1969.2	4751.4	32990.	6604.6
#3	1967.1	4753.6	33083.	6672.4

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7.3
7

Sample Name: FA39100-13L Acquired: 12/7/2016 18:08:38 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0003	.0163	-0.0014	.0399	-0.0001	70.17	.0044	.0002	.0013
Stddev	.0003	.0052	.0007	.0002	.0000	.23	.0000	.0001	.0003
%RSD	99.03	31.87	54.89	5.622	59.45	.3341	1.113	63.33	27.02

#1	.0007	.0106	-0.0015	.0401	-0.0001	70.44	.0045	.0002	.0010
#2	.0003	.0174	-0.0021	.0398	-0.0001	70.04	.0044	.0001	.0016
#3	.0000	.0208	-0.0006	.0398	.0000	70.04	.0044	.0003	.0012

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0068	.0087	2.264	4.359	.0692	.0010	F 143.8	.0022	.0091
Stddev	.0001	.0016	.009	.035	.0000	.0001	.3	.0002	.0004
%RSD	1.351	17.98	.3956	.8018	.0416	10.45	.1816	6.809	3.987

#1	.0068	.0071	2.253	4.390	.0692	.0010	144.1	.0023	.0090
#2	.0069	.0087	2.269	4.367	.0692	.0009	143.7	.0021	.0088
#3	.0067	.0102	2.269	4.321	.0692	.0011	143.6	.0023	.0095

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0031	.0025	.3395	.0010	.3112	.0014	.0004	-0.0001	2.554
Stddev	.0011	.0014	.0010	.0006	.0007	.0002	.0017	.0001	.004
%RSD	35.88	54.36	.3051	62.41	.2090	11.96	458.6	167.4	.1738

#1	.0041	.0009	.3398	.0003	.3118	.0016	.0023	.0000	2.559
#2	.0019	.0034	.3404	.0015	.3114	.0013	-.0002	-0.0001	2.550
#3	.0034	.0032	.3384	.0010	.3105	.0012	-.0010	-0.0001	2.552

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1946.2	4637.5	33487.	6621.6
Stddev	4.3	8.1	100.	49.7
%RSD	.22250	.17446	.30009	.75068

#1	1948.9	4640.7	33429.	6572.1
#2	1948.6	4628.3	33429.	6621.1
#3	1941.2	4643.6	33603.	6671.6

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Sample Name: FA39100-15L Acquired: 12/7/2016 18:13:03 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.0109	-0.0018	.0619	-0.0001	63.53	.0066	.0003	.0011
Stddev	.0003	.0009	.0010	.0005	.0000	.05	.0001	.0001	.0001
%RSD	217.6	8.615	55.56	.8043	29.94	.0839	1.229	28.11	13.30

#1	-0.0002	.0108	-0.0023	.0617	-0.0001	63.54	.0067	.0002	.0009
#2	.0004	.0100	-0.0024	.0615	-0.0001	63.47	.0066	.0003	.0012
#3	.0002	.0119	-0.0006	.0624	-0.0001	63.57	.0067	.0004	.0011

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0248	.0007	1.243	2.328	.0447	.0008	F 149.3	.0117	.0380
Stddev	.0005	.0025	.014	.036	.0001	.0001	.4	.0001	.0005
%RSD	1.850	337.0	1.149	1.562	.3271	14.96	.2591	1.116	1.233

#1	.0252	.0010	1.241	2.304	.0446	.0008	149.4	.0117	.0376
#2	.0249	-0.0018	1.258	2.310	.0448	.0008	148.9	.0116	.0385
#3	.0243	.0031	1.230	2.370	.0448	.0006	149.7	.0119	.0379

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0006	.0028	.1667	.0005	.3799	.0010	.0004	.0000	F 8.096
Stddev	.0010	.0011	.0017	.0002	.0015	.0002	.0015	.0000	.034
%RSD	162.5	39.66	1.012	32.90	.3998	16.83	389.6	253.9	.4155

#1	.0002	.0037	.1687	.0007	.3792	.0009	.0009	.0000	8.124
#2	.0017	.0032	.1657	.0006	.3789	.0009	-0.0013	.0000	8.106
#3	-0.0001	.0015	.1658	.0003	.3817	.0012	.0016	-0.0001	8.059

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1949.5	4649.4	33502.	6653.6
Stddev	5.3	19.7	103.	47.0
%RSD	.27112	.42318	.30880	.70631

#1	1946.4	4633.0	33393.	6621.6
#2	1946.5	4643.9	33599.	6707.5
#3	1955.6	4671.2	33515.	6631.6

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Sample Name: FA39165-9L Acquired: 12/7/2016 18:17:27 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	.1006	-0.017	.0345	-0.001	1.903	.0004	.0001	.0007
Stddev	.0002	.0028	.0011	.0001	.0000	.006	.0000	.0001	.0001
%RSD	127.3	2.744	66.07	.3504	45.30	.3198	8.154	118.3	21.49
#1	-.0004	.1030	-.0007	.0346	.0000	1.901	.0004	.0000	.0008
#2	-.0002	.0976	-.0014	.0344	-.0001	1.898	.0005	.0001	.0005
#3	-.0001	.1010	-.0030	.0345	-.0001	1.910	.0004	.0001	.0007
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0049	.0236	.1741	.1539	.0051	.0002	F 143.4	.0004	.0368
Stddev	.0004	.0012	.0208	.0219	.0001	.0000	.3	.0002	.0006
%RSD	8.218	5.069	11.92	14.21	1.188	16.23	.1949	37.11	1.725
#1	.0050	.0227	.1509	.1791	.0052	.0003	143.1	.0006	.0371
#2	.0045	.0230	.1806	.1411	.0051	.0003	143.6	.0004	.0373
#3	.0053	.0249	.1909	.1414	.0051	.0002	143.5	.0003	.0361
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0019	.0026	.1098	.0006	.0076	.0032	-0.015	-0.001	.1402
Stddev	.0005	.0011	.0009	.0005	.0000	.0001	.0009	.0003	.0008
%RSD	24.42	42.13	.8274	74.56	.4819	4.571	61.27	297.8	.5362
#1	.0015	.0014	.1108	.0009	.0076	.0033	-.0014	.0002	.1410
#2	.0024	.0035	.1090	.0009	.0075	.0030	-.0024	-.0001	.1395
#3	.0018	.0028	.1098	.0001	.0076	.0033	-.0006	-.0004	.1402
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1967.9	4706.2	33522.	6666.7					
Stddev	5.4	13.2	157.	62.6					
%RSD	.27466	.27970	.46816	.93922					
#1	1973.6	4712.6	33674.	6733.1					
#2	1962.8	4691.1	33361.	6608.8					
#3	1967.4	4715.0	33531.	6658.2					

Sample Name: FA39165-10L Acquired: 12/7/2016 18:21:55 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.1104	-0.013	.0370	.0000	3.055	.0005	.0000	.0005
Stddev	.0003	.0040	.0003	.0002	.000	.021	.0000	.000	.0004
%RSD	718.6	3.625	23.53	.4103	127.9	.6977	4.899	474.5	69.74
#1	.0003	.1141	-.0011	.0369	.0000	3.066	.0005	.0000	.0009
#2	.0001	.1062	-.0012	.0371	-.0001	3.068	.0005	.0000	.0002
#3	-.0003	.1110	-.0016	.0372	.0000	3.030	.0005	-.0001	.0004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0038	.0340	.1676	.2047	.0095	.0001	F 157.9	.0008	.0068
Stddev	.0003	.0025	.0040	.0266	.0000	.0001	.1	.0003	.0005
%RSD	6.861	7.423	2.415	13.01	.2338	73.26	.0480	38.18	7.445
#1	.0039	.0322	.1631	.2138	.0095	.0002	157.8	.0011	.0074
#2	.0041	.0369	.1688	.1747	.0095	.0001	158.0	.0005	.0068
#3	.0035	.0330	.1709	.2255	.0095	.0000	157.9	.0008	.0063
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0021	.0021	.1337	.0009	.0141	.0037	.0002	.0001	.1550
Stddev	.0012	.0017	.0020	.0001	.0002	.0002	.0022	.0001	.0004
%RSD	55.97	80.32	1.491	11.95	1.080	4.918	975.6	142.3	.2676
#1	.0030	.0002	.1360	.0008	.0140	.0038	-.0002	.0001	.1551
#2	.0026	.0030	.1326	.0008	.0143	.0035	.0026	.0000	.1553
#3	.0008	.0032	.1325	.0010	.0141	.0037	-.0018	.0003	.1545
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1972.6	4710.5	33646.	6664.9					
Stddev	7.0	10.6	81.	33.6					
%RSD	.35327	.22523	.24137	.50405					
#1	1979.9	4722.6	33615.	6669.9					
#2	1972.1	4705.7	33585.	6629.0					
#3	1966.0	4703.1	33738.	6695.7					

7.3
7

Sample Name: MP31286-D2 Acquired: 12/7/2016 18:26:30 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	.0072	-0.021	.0883	.0000	57.87	.0112	.0002	.0020
Stddev	.0002	.0047	.0005	.0006	.000	.15	.0000	.0001	.0001
%RSD	61.81	65.85	24.78	.7335	90.56	.2675	.4108	58.33	7.330
#1	-.0002	.0022	-.0016	.0881	-.0001	57.81	.0111	.0003	.0019
#2	-.0005	.0116	-.0019	.0891	.0000	58.05	.0112	.0002	.0019
#3	-.0002	.0078	-.0026	.0878	-.0001	57.76	.0112	.0001	.0021
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0040	.0007	1.464	3.599	.0639	.0008	F 153.4	.0043	.0494
Stddev	.0002	.0010	.013	.014	.0001	.0000	.4	.0002	.0004
%RSD	5.637	143.2	.8555	.3837	.2030	5.908	.2820	3.514	.7705
#1	.0038	-.0003	1.472	3.614	.0638	.0007	153.4	.0042	.0493
#2	.0040	.0016	1.470	3.594	.0638	.0008	153.8	.0043	.0498
#3	.0042	.0008	1.450	3.588	.0640	.0008	152.9	.0045	.0491
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0015	.0027	.1812	.0009	.2227	.0009	-.0009	-0.001	F 8.943
Stddev	.0013	.0007	.0007	.0002	.0006	.0001	.0014	.0000	.018
%RSD	87.31	26.68	.3891	23.93	.2786	12.37	153.6	33.69	.1980
#1	.0003	.0023	.1804	.0008	.2223	.0008	.0004	-.0001	8.928
#2	.0028	.0023	.1817	.0007	.2235	.0009	-.0023	-.0001	8.939
#3	.0013	.0035	.1816	.0011	.2225	.0010	-.0008	-.0001	8.962
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1947.9	4641.6	33483.	6644.7					
Stddev	6.8	6.9	144.	55.0					
%RSD	.34810	.14941	.43003	.82795					
#1	1943.2	4649.1	33588.	6612.6					
#2	1944.8	4640.4	33543.	6613.2					
#3	1955.7	4635.4	33319.	6708.2					

Sample Name: MP31286-MB2 Acquired: 12/7/2016 18:30:54 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0056	-0.014	.0019	-0.001	.1311	.0000	-0.001	.0005
Stddev	.0004	.0061	.0006	.0001	.0000	.0002	.000	.0000	.0002
%RSD	402.8	107.9	44.94	4.418	50.20	.1320	46.32	49.32	38.47
#1	-.0005	.0025	-.0013	.0019	-.0001	.1311	.0000	-.0001	.0005
#2	-.0001	.0017	-.0008	.0019	.0000	.1309	.0000	-.0001	.0003
#3	.0003	.0126	-.0020	.0018	.0000	.1312	.0000	.0000	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	-0.004	.0068	.0128	.0002	-0.			

Sample Name: MP31286-MB2 Acquired: 12/7/2016 18:30:54 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1974.4	4704.8	3385.1	6665.6
Stddev	8.8	10.5	83.	24.2
%RSD	.44725	.22422	.24545	.36287
#1	1975.1	4694.8	3390.1	6637.7
#2	1982.9	4715.8	3389.6	6678.4
#3	1965.2	4703.9	3375.5	6680.6

Sample Name: MP31286-B2 Acquired: 12/7/2016 18:35:24 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0458	27.81	2.113	2.057	.0544	27.37	.0530	.5189	.2091
Stddev	.0005	.09	.006	.004	.0002	.07	.0000	.0007	.0007
%RSD	1.133	.3164	.2698	.1943	.3774	.2666	.0625	.1262	.3246
#1	.0452	27.71	2.118	2.056	.0546	27.36	.0530	.5195	.2083
#2	.0458	27.88	2.115	2.062	.0543	27.31	.0530	.5189	.2095
#3	.0463	27.82	2.107	2.054	.0543	27.45	.0530	.5182	.2094

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.2620	27.90	27.30	25.33	.5363	.5435	F 179.5	.5394	.5181
Stddev	.0008	.06	.13	.21	.0013	.0002	2.2	.0006	.0004
%RSD	.3081	.1990	.4706	.8428	.2489	.0363	1.211	.1089	.0787
#1	.2622	27.84	27.22	25.10	.5355	.5433	177.0	.5399	.5184
#2	.2627	27.95	27.23	25.36	.5355	.5437	180.7	.5396	.5182
#3	.2611	27.90	27.45	25.52	.5378	.5435	180.8	.5388	.5176

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 Value Range 25.00 20.00%

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.5276	2.083	.0158	.5323	.5438	.5440	2.072	.5113	.5429
Stddev	.0037	.006	.0007	.0012	.0016	.0019	.005	.0016	.0016
%RSD	.7009	.2809	4.352	.2315	.2971	.3488	.2596	.3116	.2978
#1	.5310	2.089	.0157	.5313	.5456	.5423	2.066	.5095	.5447
#2	.5283	2.078	.0165	.5319	.5435	.5461	2.076	.5119	.5421
#3	.5237	2.081	.0151	.5337	.5424	.5436	2.073	.5124	.5418

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

7.3
7

Sample Name: MP31286-B2 Acquired: 12/7/2016 18:35:24 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1915.6	4645.9	3339.8	6617.5
Stddev	4.5	8.0	102.	56.0
%RSD	.23307	.17229	.30586	.84612
#1	1919.4	4647.1	3350.0	6678.8
#2	1910.7	4637.3	3329.6	6604.8
#3	1916.8	4653.2	3339.7	6569.0

Sample Name: CCV Acquired: 12/7/2016 18:53:25 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.2545	38.89	2.080	1.927	2.023	40.89	2.075	2.021	2.029
Stddev	.0011	.15	.004	.003	.004	.09	.004	.001	.002
%RSD	.4184	.3912	.1703	.1761	.2166	.2241	.1766	.0561	.1065
#1	.2556	38.72	2.078	1.925	2.018	40.79	2.073	2.022	2.029
#2	.2545	38.98	2.079	1.925	2.027	40.97	2.074	2.020	2.026
#3	.2535	38.98	2.084	1.931	2.023	40.90	2.080	2.022	2.030

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	1.949	39.61	40.44	39.00	2.089	2.024	36.51	2.064	2.025
Stddev	.002	.14	.13	.18	.002	.001	.20	.004	.010
%RSD	.1017	.3484	.3330	.4603	.0977	.0712	.5450	.2126	.4929
#1	1.947	39.46	40.29	38.83	2.087	2.025	36.28	2.082	2.024
#2	1.950	39.73	40.53	38.97	2.091	2.026	36.65	2.082	2.016
#3	1.951	39.65	40.51	39.19	2.090	2.023	36.59	2.090	2.035

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	2.071	2.044	1.678	2.018	2.048	2.082	2.039	2.082	2.121
Stddev	.002	.003	.002	.003	.003	.004	.010	.003	.005
%RSD	.0703	.1227	.1138	.1292	.1393	.1911	.4715	.1336	.2595
#1	2.070	2.045	1.679	2.015	2.045	2.079	2.037	2.079	2.119
#2	2.072	2.047	1.676	2.020	2.051	2.079	2.031	2.082	2.118
#3	2.073	2.042	1.679	2.019	2.049	2.086	2.050	2.085	2.128

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 12/7/2016 18:53:25 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1902.1	4631.3	3310.3	6610.3
Stddev	3.8	1.1	53.	42.1
%RSD	.20014	.02351	.16053	.63706
#1	1902.4	4630.5	3315.1	6656.0
#2	1905.8	4631.0	3311.3	6601.9
#3	1898.2	4632.5	3304.6	6573.1

Sample Name: CCB Acquired: 12/7/2016 18:57:37 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0004	.0159	-0.0003	.0005	.0004	.0219	.0003	.0001	.0001
Stddev	.0002	.0050	.0008	.0001	.0001	.0021	.0000	.0001	.0000
%RSD	48.28	31.11	285.5	15.15	16.53	9.373	9.395	139.6	17.91
#1	.0006	.0121	-0.0011	.0004	.0003	.0243	.0003	.0002	.0002
#2	.0004	.0142	-0.0011	.0005	.0004	.0209	.0002	.0002	.0001
#3	.0002	.0215	.0004	.0005	.0003	.0205	.0002	-.0001	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0016	.0106	.0573	.0129	.0004	F .0016	.3671	.0003	-.0001
Stddev	.0001	.0033	.0180	.0224	.0001	.0004	.0203	.0001	.0002
%RSD	4.519	30.65	31.38	173.7	13.63	24.94	5.523	28.32	167.1
#1	.0016	.0135	.0506	.0103	.0004	.0020	.3882	.0003	-.0001
#2	.0016	.0113	.0777	-.0081	.0004	.0018	.3652	.0004	.0000
#3	.0015	.0071	.0437	.0365	.0003	.0012	.3478	.0003	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-.0010			
Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0000	F .0022	.0008	.0003	.0005	.0006	.0012	.0000	.0006
Stddev	.001	.0003	.0003	.0004	.0001	.0001	.0009	.000	.0000
%RSD	2001.	12.50	32.48	112.2	13.87	16.84	77.18	2614.	6.728
#1	.0008	.0023	.0006	.0008	.0006	.0007	.0020	-.0001	.0006
#2	-.0003	.0025	.0008	.0001	.0006	.0005	.0013	-.0002	.0006
#3	-.0006	.0019	.0011	.0001	.0004	.0006	.0002	.0003	.0006
Check ?	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.0020							
Low Limit		-.0020							

7.3
7

Sample Name: CCB Acquired: 12/7/2016 18:57:37 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1974.8	4750.0	3299.9	6637.3
Stddev	5.7	3.9	74.	29.3
%RSD	.28759	.08250	.22491	.44220
#1	1978.2	4750.4	3308.4	6666.1
#2	1968.2	4753.8	3296.9	6607.5
#3	1978.0	4745.9	3294.5	6638.3

Sample Name: CCV Acquired: 12/7/2016 19:50:11 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.2541	39.11	2.064	1.950	1.999	40.60	2.064	2.017	2.027
Stddev	.0005	.02	.004	.005	.006	.11	.001	.003	.004
%RSD	.1964	.0386	.2120	.2808	.3209	.2811	.0421	.1554	.2086
#1	.2540	39.12	2.062	1.944	1.997	40.60	2.064	2.014	2.032
#2	.2536	39.09	2.069	1.951	1.993	40.49	2.064	2.019	2.026
#3	.2546	39.11	2.061	1.955	2.006	40.72	2.063	2.020	2.024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	1.933	39.35	41.10	38.96	2.081	2.021	F 35.53	2.072	2.023
Stddev	.003	.05	.05	.07	.004	.003	.18	.003	.004
%RSD	.1379	.1388	.1112	.1753	.2185	.1423	.5037	.1256	.1879
#1	1.932	39.37	41.07	38.90	2.082	2.019	35.72	2.070	2.024
#2	1.931	39.29	41.08	38.93	2.076	2.021	35.52	2.075	2.026
#3	1.936	39.40	41.16	39.03	2.085	2.025	35.36	2.072	2.019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value Range							40.00 -10.00%		
Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	2.056	2.032	1.672	2.016	2.055	2.061	2.029	2.068	2.104
Stddev	.004	.002	.002	.004	.002	.004	.010	.004	.003
%RSD	.1824	.0866	.1405	.1902	.1080	.1932	.5112	.1853	.1308
#1	2.053	2.032	1.671	2.015	2.053	2.060	2.039	2.071	2.105
#2	2.060	2.034	1.669	2.014	2.054	2.058	2.029	2.064	2.106
#3	2.053	2.030	1.674	2.021	2.057	2.066	2.018	2.069	2.101
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

Sample Name: CCV Acquired: 12/7/2016 19:50:11 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1905.1	4649.7	33183.	6436.1
Stddev	1.3	10.6	97.	47.4
%RSD	.06826	.22901	.29248	.73606
#1	1906.6	4661.1	33195.	6401.8
#2	1904.2	4647.8	33274.	6490.2
#3	1904.6	4640.1	33081.	6416.4

Sample Name: CCB Acquired: 12/7/2016 19:54:24 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0003	.0127	-0.004	.0006	.0003	.0204	.0002	.0001	.0001
Stddev	.0001	.0041	.0005	.0001	.0000	.0015	.0000	.0000	.0002
%RSD	21.47	32.24	120.4	19.26	17.34	7.600	14.52	24.63	157.5
#1	.0003	.0082	-0.005	.0006	.0002	.0196	.0002	.0001	.0000
#2	.0004	.0137	.0001	.0007	.0003	.0193	.0002	.0001	.0003
#3	.0004	.0161	-0.009	.0005	.0003	.0222	.0002	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0014	.0085	.2279	.0364	.0002	F .0017	1.307	.0004	.0005
Stddev	.0001	.0017	.0110	.0179	.0000	.0002	.026	.0002	.0003
%RSD	4.889	20.01	4.806	49.19	13.13	13.85	2.009	61.98	61.19
#1	.0014	.0094	.2347	.0160	.0003	.0019	1.321	.0001	.0002
#2	.0014	.0096	.2337	.0497	.0003	.0017	1.323	.0005	.0005
#3	.0013	.0065	.2152	.0436	.0002	.0014	1.277	.0004	.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit .0010
 Low Limit -.0010

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0004	F .0023	.0006	.0002	.0005	.0004	.0007	-.0002	.0005
Stddev	.0003	.0009	.0003	.0001	.0001	.0001	.0004	.0001	.0000
%RSD	78.20	36.41	49.07	65.33	10.68	15.57	50.82	64.99	8.447
#1	.0001	.0017	.0009	.0001	.0005	.0005	.0010	-.0001	.0004
#2	.0007	.0033	.0003	.0002	.0005	.0004	.0003	-.0002	.0005
#3	.0004	.0020	.0007	.0003	.0005	.0004	.0009	-.0004	.0005

Check ? Chk Pass Chk Fail None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit .0020
 Low Limit -.0020

7.3
7

Sample Name: CCB Acquired: 12/7/2016 19:54:24 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1995.2	4776.8	33578.	6615.7
Stddev	6.7	9.3	85.	10.0
%RSD	.33523	.19409	.25216	.15181
#1	1995.1	4781.0	33598.	6622.5
#2	2001.9	4783.2	33651.	6604.2
#3	1988.5	4766.1	33485.	6620.6

Sample Name: CRIA Acquired: 12/7/2016 20:18:28 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_3710)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_3710)	Co2286 (Y_2243)	Cr2677 (In2306)
Avg	.0091	.2097	.0104	.2011	.0051	1.114	.0053	.0514	.0106
Stddev	.0005	.0032	.0015	.0007	.0000	.008	.0001	.0002	.0002
%RSD	5.074	1.537	14.70	.3358	.5287	.6928	1.112	.3417	2.257
#1	.0090	.2096	.0111	.2014	.0051	1.115	.0053	.0516	.0107
#2	.0087	.2130	.0086	.2015	.0051	1.121	.0054	.0512	.0103
#3	.0096	.2065	.0114	.2003	.0051	1.106	.0054	.0515	.0108

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	.0243	.3158	10.84	5.122	.0162	.0497	11.05	.0428	.0048
Stddev	.0004	.0046	.05	.061	.0001	.0003	.18	.0002	.0008
%RSD	1.733	1.442	4.809	1.194	.4699	.5953	1.612	.3531	15.74
#1	.0246	.3211	10.88	5.190	.0163	.0498	11.25	.0427	.0046
#2	.0238	.3132	10.85	5.104	.0162	.0493	11.01	.0429	.0056
#3	.0244	.3132	10.78	5.072	.0163	.0499	10.90	.0429	.0042

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Ti1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.0050	.0109	.0089	.0506	.0110	.0104	.0116	.0493	.0229
Stddev	.0003	.0003	.0004	.0002	.0001	.0002	.0016	.0005	.0002
%RSD	5.852	2.562	4.595	.4015	.7129	1.474	14.02	.9673	.7558
#1	.0054	.0111	.0090	.0508	.0111	.0105	.0103	.0492	.0227
#2	.0049	.0110	.0092	.0504	.0110	.0102	.0135	.0488	.0229
#3	.0048	.0106	.0084	.0506	.0109	.0105	.0111	.0498	.0231

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	2010.3	4799.4	33776.	6452.6
Stddev	1.6	4.9	187.	48.1
%RSD	.08166	.10152	.55396	.74490
#1	2009.9	4804.0	33561.	6398.6
#2	2009.0	4800.1	33902.	6468.6
#3	2012.2	4794.3	33865.	6490.7

Sample Name: ICSA Acquired: 12/7/2016 20:22:52 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	490.4	-0.010	0.003	-0.001	476.3	0.005	0.007	0.005
Stddev	.0004	3.0	.0014	.0003	.0000	2.8	.0000	.0002	.0000
%RSD	224.5	.6103	133.7	107.8	12.14	.5863	5.906	24.46	4.490
#1	-.0004	492.1	-.0026	.0007	-.0001	479.5	.0005	.0008	.0005
#2	-.0003	492.1	.0000	.0002	-.0001	475.1	.0006	.0009	.0005
#3	.0003	486.9	-.0005	.0000	-.0001	474.4	.0005	.0005	.0005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.010	186.6	3.673	489.9	-0.006	0.010	2.095	-0.007	0.062
Stddev	.0002	.8	.0218	3.3	.0000	.0002	.030	.0000	.0010
%RSD	23.80	.4216	5.926	.6714	3.007	24.95	1.441	3.867	16.28
#1	.0013	187.5	.3619	493.6	-.0006	.0009	2.119	-.0008	.0064
#2	.0009	186.0	.3913	487.4	-.0007	.0008	2.105	-.0007	.0071
#3	.0009	186.4	.3488	488.7	-.0006	.0013	2.061	-.0008	.0051
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.000	0.009	0.063	0.031	-0.005	-0.008	0.004	-0.001	-0.013
Stddev	.0012	.0010	.0003	.0001	.0004	.0003	.0040	.0003	.0002
%RSD	4335.	118.7	5.464	2.638	90.89	33.26	952.3	334.3	14.24
#1	-.0011	.0008	.0066	.0031	-.0009	-.0005	-.0042	.0002	-.0014
#2	-.0013	.0019	.0063	.0032	-.0004	-.0008	.0021	-.0003	-.0011
#3	-.0001	-.0001	.0059	.0031	-.0001	-.0010	.0033	-.0002	-.0014
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1746.3	4346.8	31692.	6249.5					
Stddev	3.5	7.1	144.	56.6					
%RSD	.20197	.16237	.45427	.90623					
#1	1746.3	4339.4	31854.	6187.4					
#2	1742.7	4347.4	31578.	6262.7					
#3	1749.8	4353.5	31645.	6298.3					

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Sample Name: ICSAB Acquired: 12/7/2016 20:27:30 Type: Unk
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F_9470	489.5	1.183	5029.	4940.	474.4	1.000	5030.	5087.
Stddev	.0013	4.2	.002	.0023	.0005	1.6	.002	.0006	.0021
%RSD	.1372	.8549	.1497	.4564	.1057	.3457	.2135	.1284	.4169
#1	.9485	494.0	1.185	5054.	.4940	472.6	1.003	5033.	5111.
#2	.9460	485.7	1.183	5011.	.4934	475.8	.9999	5035.	5079.
#3	.9466	488.8	1.181	5021.	.4944	474.9	.9986	5023.	5071.
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5.481	183.4	2.793	494.1	5.152	1.053	1.459	1.032	1.038
Stddev	.0011	.4	.0364	1.2	.0014	.001	.036	.003	.005
%RSD	.1940	.2134	13.02	.2392	.2621	.1008	2.439	.2384	.5322
#1	5.487	183.8	3.131	495.5	5.165	1.053	1.470	1.035	1.044
#2	5.469	183.0	2.841	493.5	5.138	1.053	1.488	1.031	1.035
#3	5.488	183.5	2.408	493.4	5.153	1.051	1.419	1.031	1.034
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.131	1.104	0.294	1.044	1.102	1.103	1.109	4.929	1.002
Stddev	.002	.006	.0003	.000	.003	.004	.005	.0015	.005
%RSD	.1712	.5240	1.035	.0242	.2464	.3405	.4108	.3008	.5403
#1	1.129	1.097	.0294	1.044	1.104	1.107	1.113	4.915	1.008
#2	1.133	1.107	.0291	1.045	1.099	1.100	1.104	4.928	.9988
#3	1.132	1.107	.0297	1.044	1.103	1.103	1.108	4.944	.9985
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1717.3	4330.2	31693.	6231.3					
Stddev	.4	6.0	119.	21.2					
%RSD	.02316	.13841	.37640	.34071					
#1	1717.0	4337.1	31563.	6209.7					
#2	1717.7	4326.6	31798.	6252.1					
#3	1717.1	4326.8	31718.	6232.0					

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7.3
7

Sample Name: CCV Acquired: 12/7/2016 20:32:00 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2547	39.05	2.074	1.955	1.989	40.49	2.076	2.026	2.023
Stddev	.0004	.06	.004	.004	.002	.07	.001	.000	.007
%RSD	.1602	.1647	.1689	.1947	.0795	.1686	.0256	.0212	.3601
#1	.2552	39.12	2.071	1.953	1.989	40.53	2.076	2.026	2.031
#2	.2544	39.04	2.075	1.959	1.987	40.41	2.076	2.027	2.020
#3	.2546	39.00	2.077	1.953	1.990	40.52	2.075	2.026	2.018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.935	39.13	41.38	38.45	2.088	2.028	38.31	2.085	2.023
Stddev	.007	.09	.06	.16	.003	.001	.06	.001	.005
%RSD	.3818	.2214	.1480	.4173	.1600	.0427	.1474	.0545	.2268
#1	1.937	39.16	41.40	38.41	2.091	2.027	38.30	2.083	2.021
#2	1.927	39.03	41.43	38.32	2.088	2.029	38.37	2.086	2.020
#3	1.941	39.19	41.31	38.63	2.085	2.029	38.26	2.085	2.028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.066	2.046	1.680	2.021	2.061	2.065	2.033	2.073	2.118
Stddev	.004	.003	.002	.002	.003	.007	.009	.004	.002
%RSD	.1698	.1587	.1153	.0773	.1436	.3201	.4343	.2179	.0887
#1	2.062	2.047	1.678	2.021	2.062	2.071	2.028	2.078	2.120
#2	2.068	2.049	1.681	2.020	2.063	2.058	2.027	2.069	2.117
#3	2.068	2.043	1.681	2.023	2.058	2.067	2.043	2.074	2.117
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 12/7/2016 20:32:00 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1897.4	4613.8	33040.	6376.1
Stddev	1.8	5.2	37.	11.5
%RSD	.09722	.11229	.11189	.17981
#1	1895.3	4612.0	33033.	6364.3
#2	1898.9	4609.8	33008.	6376.7
#3	1898.0	4619.7	33080.	6387.2

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Sample Name: CCB Acquired: 12/7/2016 20:36:12 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0172	-0.001	.0004	.0002	.0256	.0002	.0001	.0000
Stddev	.0002	.0017	.0008	.0002	.0001	.0037	.0000	.0001	.0002
%RSD	232.1	9.749	663.2	47.09	27.29	14.42	13.51	115.4	717.6

#1	.0000	.0187	.0004	.0004	.0002	.0298	.0002	.0002	-.0001
#2	-.0004	.0175	.0003	.0003	.0002	.0241	.0002	.0000	.0000
#3	.0001	.0154	-.0011	.0007	.0001	.0229	.0002	.0002	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	.0135	.0388	.0174	.0003	F .0017	.3477	.0003	-.0005
Stddev	.0001	.0009	.0261	.0142	.0000	.0003	.0103	.0002	.0008
%RSD	4.940	6.981	67.22	81.52	4.784	18.68	2.960	70.79	163.4

#1	.0016	.0146	.0687	.0307	.0003	.0021	.3530	.0004	.0004
#2	.0017	.0133	.0278	.0025	.0003	.0016	.3358	.0001	-.0011
#3	.0018	.0127	.0201	.0189	.0003	.0015	.3543	.0005	-.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	F .0029	.0007	.0004	.0003	.0004	.0008	-.0002	.0005
Stddev	.0004	.0011	.0002	.0003	.0001	.0001	.0013	.0003	.0001
%RSD	37.37	38.39	27.14	70.77	23.99	22.41	165.5	171.2	21.84

#1	.0016	.0042	.0007	.0007	.0004	.0004	-.0005	-.0004	.0005
#2	.0008	.0024	.0005	.0005	.0002	.0004	.0007	.0001	.0003
#3	.0010	.0022	.0009	.0001	.0003	.0003	.0022	-.0002	.0005

Check ? Chk Pass Chk Fail None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 12/7/2016 20:36:12 Type: QC
 Method: 60102007_042011(v390) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1993.7	4753.8	3345.7	6482.8
Stddev	3.4	12.3	150.	5.8
%RSD	.16976	.25893	.44832	.08921

#1	1995.0	4747.1	33326.	6480.6
#2	1996.2	4768.0	33423.	6489.4
#3	1989.8	4746.4	33621.	6478.5

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000009	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000067	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000016	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000080	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000005	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	0.000002	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000127	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000006	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000009	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000035	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000142	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000010	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	0.000009	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000031	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000099	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	0.000004	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000013	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	12/7/2016 10:36:59	12/7/2016 9:50:32	Linear	1/Conc	0.000300	0.702617	0.000000	1.000000
Al 396.152 { 85}	12/7/2016 10:36:59	12/7/2016 9:50:32	Linear	1/Conc	0.002188	0.147270	0.000000	1.000000
As 189.042 {478}	12/7/2016 10:36:59	12/7/2016 9:50:32	Linear	1/Conc	-0.001174	0.199847	0.000000	1.000000
Ba 455.403 { 74}	12/7/2016 10:36:59	12/7/2016 9:50:32	Linear	1/Conc	-0.000516	7.294909	0.000000	1.000000
Be 313.042 {108}	12/7/2016 10:36:59	12/7/2016 9:50:32	Linear	1/Conc	-0.000057	8.449802	0.000000	1.000000
Ca 317.933 {106}	12/7/2016 10:36:59	12/7/2016 9:50:32	Linear	1/Conc	0.004241	0.234957	0.000000	1.000000
Cd 226.502 {449}	12/7/2016 10:36:59	12/7/2016 9:50:32	Linear	1/Conc	-0.001836	4.882401	0.000000	1.000000
Co 228.616 {447}	12/7/2016 10:36:59	12/7/2016 9:50:32	Linear	1/Conc	-0.001007	2.629397	0.000000	1.000000
Cr 267.716 {126}	12/7/2016 10:36:59	12/7/2016 9:50:32	Linear	1/Conc	-0.000136	0.505909	0.000000	1.000000
Cu 324.754 {104}	12/7/2016 10:36:59	12/7/2016 9:50:32	Linear	1/Conc	0.017308	0.835333	0.000000	1.000000
Fe 259.940 {130}	12/7/2016 10:36:59	12/7/2016 9:50:32	Linear	1/Conc	0.001112	0.138113	0.000000	1.000000
In 230.606 {446}*	12/7/2016 10:36:59	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	12/7/2016 10:36:59	12/7/2016 9:50:32	Linear	1/Conc	-0.003101	0.071469	0.000000	1.000000
Mg 279.079 {121}	12/7/2016 10:36:59	12/7/2016 9:50:32	Linear	1/Conc	-0.000109	0.020292	0.000000	1.000000
Mn 257.610 {131}	12/7/2016 10:36:59	12/7/2016 9:50:32	Linear	1/Conc	0.000607	2.686165	0.000000	1.000000
Mo 202.030 {467}	12/7/2016 10:36:59	12/7/2016 9:50:32	Linear	1/Conc	0.001567	0.922466	0.000000	1.000000
Na 589.592 { 57}	12/7/2016 10:36:59	12/7/2016 9:50:32	Linear	1/Conc	-0.002885	0.270692	0.000000	1.000000
Ni 231.604 {445}	12/7/2016 10:36:59	12/7/2016 9:50:32	Linear	1/Conc	-0.000685	1.594285	0.000000	1.000000
Pb 220.353 {453}	12/7/2016 10:36:59	12/7/2016 9:50:32	Linear	1/Conc	-0.000830	0.962362	0.000000	1.000000
Sb 206.833 {463}	12/7/2016 10:36:59	12/7/2016 9:50:32	Linear	1/Conc	0.000417	0.243595	0.000000	1.000000
Se 196.090 {472}	12/7/2016 10:36:59	12/7/2016 9:50:32	Linear	1/Conc	-0.000154	0.152410	0.000000	1.000000
Si 212.412 {459}	12/7/2016 10:36:59	12/7/2016 9:50:32	Linear	1/Conc	0.005912	0.599113	0.000000	1.000000
Sn 189.989 {477}	12/7/2016 10:36:59	12/7/2016 9:50:32	Linear	1/Conc	0.000676	0.414694	0.000000	1.000000
Sr 407.771 { 83}	12/7/2016 10:36:59	12/7/2016 9:50:32	Linear	1/Conc	0.000483	12.670819	0.000000	1.000000
Ti 334.941 {101}	12/7/2016 10:36:59	12/7/2016 9:50:32	Linear	1/Conc	0.001442	1.683433	0.000000	1.000000
Tl 190.856 {477}	12/7/2016 10:36:59	12/7/2016 9:50:32	Linear	1/Conc	-0.003014	0.304661	0.000000	1.000000
V 292.402 {115}	12/7/2016 10:36:59	12/7/2016 9:50:32	Linear	1/Conc	-0.001372	0.722239	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	12/7/2016 10:36:59	12/7/2016 9:50:32	Linear	1/Conc	0.001178	2.431205	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999778	0.000142	0.000408	0.001359	OK	1.000000	0.000000	1	0
Al 396.152 {85}	0.999751	0.005301	0.007869	0.026230	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999868	0.000261	0.000856	0.002853	OK	1.000000	0.000000	1	0
Ba 455.403 {74}	0.999990	0.002614	0.000196	0.000652	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999972	0.005118	0.000059	0.000196	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999625	0.010370	0.002518	0.008392	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999994	0.001403	0.000054	0.000181	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999976	0.001479	0.000113	0.000375	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999994	0.000136	0.000337	0.001122	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999711	0.001612	0.000303	0.001009	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999066	0.009624	0.002091	0.006970	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 {44}	0.999847	0.002014	0.027685	0.092283	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999735	0.000752	0.018193	0.060644	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999933	0.002504	0.000056	0.000186	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999994	0.000263	0.000180	0.000600	OK	1.000000	0.000000	1	0
Na 589.592 {57}	0.999797	0.008782	0.007317	0.024390	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999990	0.000585	0.000189	0.000629	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999858	0.001312	0.000728	0.002426	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999853	0.000336	0.001098	0.003660	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999937	0.000138	0.001632	0.005439	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.991660	0.006271	0.000319	0.001062	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999981	0.000206	0.000353	0.001178	OK	1.000000	0.000000	1	0
Sr 407.771 {83}	0.999619	0.028230	0.000073	0.000244	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999971	0.001037	0.000148	0.000493	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999762	0.000538	0.001333	0.004443	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999912	0.000760	0.000314	0.001048	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 {94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 {91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999981	0.001214	0.000079	0.000265	OK	1.000000	0.000000	1	0

DOD+
(m4/ms)

SGS Accutest - Orlando Metals Digestion Log Water

Method of digestion(circle one): SW846-3010A / SW846-3005A / EPA 200.7 / EPA 200.8 / SM3030C

MP #: 31228
 Prep Date/Time (mm/dd/yy 24.00): 11/29/16; 09:47
 HotBlock I.D.: 6
 Thermometer I.D.: 6071
 Correction Factor (°C): -1
 Temperature Observed/Corrected (°C): 91.90
 pH paper lot#: 230315

Spk. Sol. ^A	Used(ml)	Pipette #
ACC964	0.50	10
ACC949	0.25	10
Met5573	0.25	10

Volume
 Dig. Tube Lot#: 1605323

Added ^B:
 Lot# HNO₃: 0006133393 HCL: 0000182880

Sample #	Initial Volume(ml)	pH<2	Final Volume(ml)	Comments
Method Blank(MB)	50.0	N/A	50.0	
Spike Blank(SB)		N/A		
Matrix Spike(MS)		✓		
Matrix Spike Dup(MSD)		✓		
Duplicate(DUP)		✓		
1 QC ^C FA38999-3 ^D		✓		
2 ↓ -1		✓		
3 ↓ -2		✓		
4 ↓ -4		✓		
5 ↓ -5		✓		
6 ↓ -6		✓		
* 7 FA38983-2 ^D		✓		
8 ↓ -3		✓		
9 FA38934-10		✓		
10 ↓ -17		✓		
11 FA38935-1 ^D		✓		
12 ↓ -2		✓		
13 ↓ -3		✓		
14 ↓ -4		✓		
15 ↓ -5		✓		
16 FA39011-1 ^D		✓		
17 ↓ -2		✓		
18 ↓ -3		✓		
19 ↓ -4		✓		
20				
21 ^E				
22 ^E				CR
23 ^F				
24 ^E				

Analyst: [Signature] Date: 11/29/16
 QC Review: [Signature] Date: 11-29-16

- A Used for SB, MS, MSD
- B For reagent volumes used consult SOR MET 103, current revision
- C Parent sample used to prepare MS, MSD, DUP
- D Bottle Number
- E Additional matrix QC

icpwaterdigestionlog 0916.xls

Rev 09/12/16 DM
 Page 55 of 100

* dmt. (pm) 11-29-16

7.4.1
7

Thermometer I.D. 204
 Correction Factor (°C) -1
 Temperature Observed/Corrected (°C) 93.92 * 92/91
 Balance I.D. ADV P203
 Added^B: H₂O₂ HNO₃ HCL PTFE Boiling Chips
 Lot# 1162853 0000133393 0000132880 S941-61019

Acc 1161 0.50 10
 Acc 949 0.50 10
 Met 5591 0.50 10
 Filter Lot#: 160217041
 Dig. Tube Lot#: 150 1509104

Sample #	Wt. g	Final Volume(ml)	Comments
Method Blank(MB)	5.0	100.0	used 5x reagents for digestion CR 12/06/16
Spike Blank(SB)	↓	↓	
Matrix Spike(MS)	5.49	↓	
Matrix Spike Dup(MSD)	5.09	↓	
Duplicate(DUP)	5.05	↓	
1 QC ^C FA38934-1	5.14	↓	
2	-4	5.57	CR 12/06/16
3	-7	5.19	
4	-10	5.19	
5	-13	5.30	
6 D2-FA38934-1	1.0	5.32	
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21 ^E			
22 ^E			
23 ^E			
24 ^E			

Analyst: [Signature] Date: 12/06/16
 QC Review: [Signature] Date: 12-6-16

A Used for SB, MS, MSD
 B For reagent volumes used consult SOP MET 104, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional Matrix QC
 icpsoidigestionlog 0316.xls
 Rev 03/04/16 DM
 90 of 100

* CR 12/06/16

7.4.2
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e-Hardcopy 2.0
Automated Report

Technical Report for

Kemron Environmental Services, Inc

Ft Ord; CA

07202.2001

SGS Accutest Job Number: FA38934R

Sampling Dates: 11/16/16 - 11/17/16

Report to:

Kemron Environmental Services, Inc

EDawson@GilbaneCo.com

ATTN: Evenlyn Dawson

Total number of pages in report: **100**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Sue Bell 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), IL(200063), NC(573), NJ(FL002), NY(12022), SC(96038001)
DoD ELAP(L-A-B L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177),
AK, AR, GA, IA, KY, MA, NV, OK, OR, UT, WA

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Test results relate only to samples analyzed.



January 20, 2017

Ms. Peggy Cota
Gilbane
3333 S. Wadsworth Blvd
Suite 220
Lakewood, CO 80227

RE: SGS Accutest job FA38934R Reissue

Dear Ms. Cota

The final report for job number FA38934R has been edited to reflect requested corrections. These edits have been incorporated into the revised report.

The sample reporting limits have been revised.

SGS Accutest apologies for any inconvenience this may have caused. Please feel free to contact us if we can be of further assistance.

Sincerely,

SGS Accutest - Orlando

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Sample Summary

Kemron Environmental Services, Inc

Job No: FA38934R

Ft Ord; CA

Project No: 07202.2001

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
FA38934-2R	11/17/16	09:40	LFRP	11/21/16	SO Soil	33-01SC0001S2E
FA38934-3R	11/17/16	10:10	LFRP	11/21/16	SO Soil	33-01SC0002S2E
FA38934-5R	11/17/16	09:30	LFRP	11/21/16	SO Soil	33-01SC0001S2EQ
FA38934-6R	11/17/16	10:05	LFRP	11/21/16	SO Soil	33-01SC0002S2EQ
FA38934-8R	11/16/16	15:40	LFRP	11/21/16	SO Soil	33-01SC0001S2N
FA38934-9R	11/16/16	16:00	LFRP	11/21/16	SO Soil	33-01SC0002S2N
FA38934-11R	11/17/16	10:50	LFRP	11/21/16	SO Soil	33-01SC0001S3E
FA38934-12R	11/17/16	11:10	LFRP	11/21/16	SO Soil	33-01SC0002S3E
FA38934-18R	11/17/16	13:54	LFRP	11/21/16	SO Soil	33-01SC0000S1NE

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

2

Client: Kemron Environmental Services, Inc

Job No: FA38934R

Site: Ft Ord; CA

Report Date: 1/9/2017 1:07:05 PM

9 Sample(s) were collected on/between 11/16/2016 and 11/17/2016 and were received at SGS Accutest Southeast (SASE) on 11/21/2016 properly preserved, at 3.4 Deg. C and intact. These Samples received an SASE job number of FA38934R. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010C

Matrix: SO

Batch ID: MP31429

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA38934-2RDUP, FA38934-2RMS, FA38934-2RMSD, FA38934-2RPS, FA38934-2RSDL were used as the QC samples for metals.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Kim Benham, Client Services (signature on file)

Date: January 9, 2017

Monday, January 09, 2017

Page 1 of 1

Summary of Hits

Job Number: FA38934R
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 11/16/16 thru 11/17/16



Lab Sample ID	Client Sample ID	Result/ Analyte Qual	LOQ	LOD	Units	Method
FA38934-2R	33-01SC0001S2E					
Lead		1.8	1.8	0.37	mg/kg	SW846 6010C
FA38934-3R	33-01SC0002S2E					
Lead		1.7 J	1.8	0.36	mg/kg	SW846 6010C
FA38934-5R	33-01SC0001S2EQ					
Lead		2.7	2.0	0.40	mg/kg	SW846 6010C
FA38934-6R	33-01SC0002S2EQ					
Lead		1.4 J	1.9	0.39	mg/kg	SW846 6010C
FA38934-8R	33-01SC0001S2N					
Lead		1.3 J	1.8	0.36	mg/kg	SW846 6010C
FA38934-9R	33-01SC0002S2N					
Lead		1.4 J	1.8	0.37	mg/kg	SW846 6010C
FA38934-11R	33-01SC0001S3E					
Lead		2.3	1.8	0.36	mg/kg	SW846 6010C
FA38934-12R	33-01SC0002S3E					
Lead		1.1 J	2.0	0.40	mg/kg	SW846 6010C
FA38934-18R	33-01SC0000S1NE					
Lead		58.3	1.8	0.36	mg/kg	SW846 6010C

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: 33-01SC0001S2E	Date Sampled: 11/17/16
Lab Sample ID: FA38934-2R	Date Received: 11/21/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.1
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	1.8	1.8	0.37	0.092	mg/kg	5	01/04/17	01/06/17 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13715

(2) Prep QC Batch: MP31429

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SC0002S2E	Date Sampled: 11/17/16
Lab Sample ID: FA38934-3R	Date Received: 11/21/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.2
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	1.7 J	1.8	0.36	0.089	mg/kg	5	01/04/17	01/06/17 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13715

(2) Prep QC Batch: MP31429

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SC0001S2EQ	Date Sampled: 11/17/16
Lab Sample ID: FA38934-5R	Date Received: 11/21/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.3
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.7	2.0	0.40	0.099	mg/kg	5	01/04/17	01/06/17 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13715

(2) Prep QC Batch: MP31429

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SC0002S2EQ	Date Sampled: 11/17/16
Lab Sample ID: FA38934-6R	Date Received: 11/21/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.4
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	1.4 J	1.9	0.39	0.097	mg/kg	5	01/04/17	01/06/17 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13715

(2) Prep QC Batch: MP31429

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SC0001S2N	Date Sampled: 11/16/16
Lab Sample ID: FA38934-8R	Date Received: 11/21/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.5
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	1.3 J	1.8	0.36	0.091	mg/kg	5	01/04/17	01/06/17 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13715

(2) Prep QC Batch: MP31429

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SC0002S2N	Date Sampled: 11/16/16
Lab Sample ID: FA38934-9R	Date Received: 11/21/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.6
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	1.4 J	1.8	0.37	0.092	mg/kg	5	01/04/17	01/06/17 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13715

(2) Prep QC Batch: MP31429

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SC0001S3E	Date Sampled: 11/17/16
Lab Sample ID: FA38934-11R	Date Received: 11/21/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.7
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.3	1.8	0.36	0.090	mg/kg	5	01/04/17	01/06/17 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13715

(2) Prep QC Batch: MP31429

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SC0002S3E	Date Sampled: 11/17/16
Lab Sample ID: FA38934-12R	Date Received: 11/21/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.8
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	1.1 J	2.0	0.40	0.099	mg/kg	5	01/04/17	01/06/17 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13715

(2) Prep QC Batch: MP31429

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SC0000S1NE	Date Sampled: 11/17/16
Lab Sample ID: FA38934-18R	Date Received: 11/21/16
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.9
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	58.3	1.8	0.36	0.091	mg/kg	5	01/04/17	01/06/17 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA13715

(2) Prep QC Batch: MP31429

(a) All results reported on a wet weight basis.

LOQ = Limit of Quantitation DL = Detection Limit
 LOD = Limit of Detection

U = Indicates a result < LOD
 J = Indicates a result > = DL (MDL) but < LOQ

Misc. Forms**5****Custody Documents and Other Forms**

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits

CHAIN-OF-CUSTODY RECORD

Gilbane
 Peggy Cota
 2355 E. Camelback Road, Suite 850, Phoenix, Arizona 85016
 (602) 792-6813 | PCota@gilbaneco.com

COC # RP-111616-1

FA38934
Gilbane

Project Name: BRA with KEMRON	Laboratory: SGS Accutest Southeast
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 susan.bell@sgs.com
WBS Code:	Ship to: 4405 Vineland Road, Suite C-15, Orlando, FL 32811

Comments:	Analytical Test Method	SW6010C - Lead	SW6010C - Lead by ISM	Code	Matrix
				SO	SOIL
Equipment:	SW6010C - Lead	SW6010C - Lead by ISM	Code	Container/Preservative	
			11	1* 250mL, 250 poly with HNO3	
			12	1* Ziploc Bag	

Event ID: Basewide Range Assessment Spring 2016										
	Sample ID	Matrix	Date	Time	Samp Init.		Location ID	Sample Type	Depth (ft bgs) Top - Bottom	
1	33-01SC0000S2E	SO	11/17/16	07:15	LF/RP	X	33-01S2E	N1	0	0.5
2	33-01SC0001S2E	SO	11/17/16	07:45	LF/RP	X	33-01S2E	N1	1	1.5
3	33-01SC0002S2E	SO	11/17/16	08:05	LF/RP	X	33-01S2E	N1	2	2.5
4	33-01SC0000S2EQ	SO	11/17/16	09:20	LF/RP	X	FIELD DUP	N1	0	0.5
5	33-01SC0001S2EQ	SO	11/17/16	09:25	LF/RP	X	FIELD DUP	N1	1	1.5
6	33-01SC0002S2EQ	SO	11/17/16	10:05	LF/RP	X	FIELD DUP	N1	2	2.5
7	33-01SC0000S2N	SO	11/16/16	15:00	LF/RP	X	33-01S2N	N1	0	0.5
8	33-01SC0001S2N	SO	11/16/16	15:40	LF/RP	X	33-01S2N	N1	1	1.5
9	33-01SC0002S2N	SO	11/16/16	16:00	LF/RP	X	33-01S2N	N1	2	2.5
Cooler #		Turnaround Time: 0 Days								

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	11/15/16	10:00	Fx			3-09 9436 7210
Fx			<i>[Signature]</i>	11-21-16	9:30	Received by Laboratory: (Signature, Date, Time) & condition

5.1
 5

CHAIN-OF-CUSTODY RECORD

Gilbane
 Peggy Cota
 2355 E. Camelback Road, Suite 850, Phoenix, Arizona 85016
 (602) 792-6813 | PCota@gilbaneco.com

COC # RP-111616-2

FA38934
Gilbane

Project Name: BRA with KEMRON	Laboratory: SGS Accutest Southeast
Project Number: 07202.2001	Point of contact: Sue Bell 813-741-3338 susan.bell@sgs.com
WBS Code:	Ship to: 4405 Vineland Road, Suite C-15, Orlando, FL 32811

Comments:	Equipment:	Analytical Test Method	SW6010C - Lead	SW6010C - Lead by ISM	Code	Matrix
					SO	SOIL
					WQ	WATER QUALITY CONTROL MATRIX
					Code	Container/Preservative
					11	1" 250mL, 250 poly with HNO3
					12	1", Ziploc Bag

Event ID: Basewide Range Assessment Spring 2016										11	12
Sample ID	Matrix	Date	Time	Samp Init.			Location ID	Sample Type	Depth (ft bgs) Top - Bottom		
10 33-01SC0000S3E	SO	11/17/16	10:25	LF/RP		X	33-01S3E	N1	0	0.5	
11 33-01SC0001S3E	SO	11/17/16	10:30	LF/RP		X	33-01S3E	N1	1	1.5	
12 33-01SC0002S3E	SO	11/17/16	10:35	LF/RP		X	33-01S3E	N1	2	2.5	
13 33-01SC0000S3N	SO	11/17/16	10:35	LF/RP		X	33-01S3N	N1	0	0.5	
14 33-01SC0001S3N	SO	11/17/16	10:35	LF/RP		X	33-01S3N	N1	1	1.5	
15 33-01SC0002S2N	SO	11/17/16	10:35	LF/RP		X	33-01S3N	N1	2	2.5	
16 33-01-ERSC111616	WQ	11/17/16	10:57	LF/RP		X	FIELD QC	EB1	NA	NA	
17 33-01-ERSC111716	WQ	11/17/16	11:03	LF/RP		X	FIELD QC	EB1	NA	NA	
18											

Cooler # Turnaround Time: 0 Days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
<i>[Signature]</i>	11/17/16	10:20	<i>[Signature]</i>	11-21-16	9:30	81099426 72110
FX						Received by Laboratory: (Signature, Date, Time) & condition

ENV.COC_Record
 November 15, 2016

3.4

5.1
 5

FA38934R: Chain of Custody
Page 2 of 8

SGS ACCUTEST - ORLANDO SAMPLE RECEIPT CONFIRMATION

SGS ACCUTEST'S JOB NUMBER: FA38934 CLIENT: Gilbane PROJECT: 07202-2001
 DATE/TIME RECEIVED: 11-21-16 9:30 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER DELIVERY OTHER: _____
 AIRBILL NUMBERS: 8109 9436 7216

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM _____ 5-GRAM _____
 NUMBER OF 5035 FIELD KITS ? _____
 NUMBER OF LAB FILTERED METALS ? _____

TEST STRIP LOT#s pH 0-3 230315 pH 10-12 219813A OTHER (specify) _____

SUMMARY OF COMMENTS: _____

TECHNICIAN SIGNATURE/DATE [Signature] 11-21-16 REVIEWER SIGNATURE/DATE [Signature] 11-21-16

NF 02/16

receipt confirmation 020116.xls

TEMPERATURE INFORMATION

- IR THERM ID 1 CORR. FACTOR -0.4
- OBSERVED TEMPS: 3.8
- CORRECTED TEMPS: 3.4 (USED FOR LIMS)

SAMPLE INFORMATION

- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- % SOLIDS JAR NOT RECEIVED
- RESIDUAL CHLORINE PRESENT LOT# _____

{APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

5.1
5

TRK# 8109 9436 7216
0215

MON - 21 NOV 4:30P
** 2DAY **

SH ORLA

32811
FL-US MCO



Job Change Order: FA38934

Requested Date:	12/14/2016	Received Date:	11/21/2016
Account Name:	Kemron Environmental Services, I	Due Date:	12/5/2016
Project Description:	Ft Ord; CA	Deliverable:	FULT1
CSR:	sueb	TAT (Days):	14

5.1
5

=====
Sample #: FA38934-2 **Change:**
Dept: Please run for Lead by ISM
TAT: 14

33-01SC0001S2E
=====

=====
Sample #: FA38934-3 **Change:**
Dept: Please run for Lead by ISM
TAT:

33-01SC0002S2E
=====

=====
Sample #: FA38934-5 **Change:**
Dept: Please run for Lead by ISM
TAT:

33-01SC0001S2EQ
=====

=====
Sample #: FA38934-6 **Change:**
Dept: Please run for Lead by ISM
TAT:

33-01SC0002S2EQ
=====

FA38934R: Chain of Custody

Page 6 of 8

Above Changes Per: _____ **Date/Time:** 12/15/2016 3:48:20 PM

To Client: This Change Order is confirmation of the revisions, previously discussed with the SGS Accutest Client Service Representative.

Job Change Order: FA38934

Requested Date:	12/14/2016	Received Date:	11/21/2016
Account Name:	Kemron Environmental Services, I	Due Date:	12/5/2016
Project Description:	Ft Ord; CA	Deliverable:	FULT1
CSR:	sueb	TAT (Days):	14

Sample #: FA38934-8 **Change:**
Dept: Please run for Lead by ISM
TAT:

33-01SC0001S2N

Sample #: FA38934-9 **Change:**
Dept: Please run for Lead by ISM
TAT:

33-01SC0002S2N

Sample #: FA38934-11 **Change:**
Dept: Please run for Lead by ISM
TAT:

33-01SC0001S3E

Sample #: FA38934-12 **Change:**
Dept: Please run for Lead by ISM
TAT:

33-01SC0002S3E

FA38934R: Chain of Custody
Page 7 of 8

Above Changes Per: **Date/Time:** 12/15/2016 3:48:20 PM

To Client: This Change Order is confirmation of the revisions, previously discussed with the SGS Accutest Client Service Representative.

Job Change Order: FA38934

Requested Date:	12/14/2016	Received Date:	11/21/2016
Account Name:	Kemron Environmental Services, I	Due Date:	12/5/2016
Project Description:	Ft Ord, CA	Deliverable:	FULT1
CSR:	sueb	TAT (Days):	14

Sample #: FA38934-18	Change:
Dept:	Please run for Lead by ISM
TAT:	
33-01SC0000S1NE	

5.1
5

FA38934R: Chain of Custody

Page 8 of 8

Above Changes Per:

Date/Time: 12/15/2016 3:48:20 PM

To Client: This Change Order is confirmation of the revisions, previously discussed with the SGS Accutest Client Service Representative.

QC Evaluation: DOD QSM5 Limits

Job Number: FA38934R
 Account: Kemron Environmental Services, Inc
 Project: Ft Ord; CA
 Collected: 11/16/16 thru 11/17/16

QC Sample ID	CAS#	Analyte	Sample Result Type	Result Type	Result	Units	Limits
MP31429	SW846 6010C						
MP31429-B1	7439-92-1	Lead	BSP	REC	99	%	81-112
MP31429-S1	7439-92-1	Lead	MS	REC	113 ^a	%	81-112
MP31429-S2	7439-92-1	Lead	MSD	REC	89.4	%	81-112
MP31429-S2	7439-92-1	Lead	MSD	RPD	11.2	%	20
MP31429-D1	7439-92-1	Lead	DUP	RPD	5.7	%	20
MP31429-D2	7439-92-1	Lead	DUP	RPD	5.7	%	20

(a) Spike recovery indicates possible matrix interference and/or sample non-homogeneity.

* Sample used for QC is not from job FA38934R

5.2
5

Metals Analysis

9

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA38934R
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA010617M1.ICP Date Analyzed: 01/06/17 Methods: SW846 6010C
Analyst: LM Run ID: MA13715
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:01	MA13715-STD1	1		STDA
08:05	MA13715-STD2	1		STDB
08:08	MA13715-STD3	1		STDC
08:12	MA13715-STD4	1		STDD
08:16	MA13715-HSTD1	1		
08:25	MA13715-ICV1	1		
08:34	MA13715-ICB1	1		
08:38	MA13715-CR1A1	1		
08:44	MA13715-ICSA1	1		
08:50	MA13715-ICSAB1	1		
09:00	MA13715-CCV1	1		
09:10	MA13715-CCB1	1		
09:16	MP31429-MB1	5		
09:21	MP31429-B1	5		
09:32	FA38934-2R	5		
09:37	MP31429-D1	5		
09:41	MP31429-SD1	25		
09:46	MP31429-PS1	5		
09:50	MP31429-S1	5		
09:54	MP31429-S2	5		
09:59	FA38934-3R	5		
10:03	FA38934-5R	5		
10:07	MA13715-CCV2	1		
10:11	MA13715-CCB2	1		
10:16	FA38934-6R	5		
10:20	FA38934-8R	5		
10:25	FA38934-9R	5		
10:29	FA38934-11R	5		
10:33	FA38934-12R	5		
10:38	FA38934-18R	5		
10:42	ZZZZZ	5		
10:47	MP31429-D2	5		
----->	Last reportable sample/prep for job FA38934R			
10:56	ZZZZZ	4		

6.1
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SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA38934R
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA010617M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 01/06/17
Run ID: MA13715
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:00	MA13715-CCV3	1		
11:05	MA13715-CCB3	1		
11:09	ZZZZZZ	5		
11:14	MP31439-MB1	1		
11:18	MP31439-B1	1		
11:23	MP31439-B2	1		
11:27	ZZZZZZ	1		
11:31	MP31440-MB1	1		
11:36	MP31440-B1	1		
11:40	FA39951-5	1		(sample used for QC only; not part of login FA38934R)
11:44	MP31440-D1	1		
11:49	MP31440-SD1	5		
11:53	MA13715-CCV4	1		
11:58	MA13715-CCB4	1		
12:02	MP31440-PS1	1		
12:06	MP31440-S1	1		
12:11	MP31440-S2	1		
12:15	ZZZZZZ	1		
12:19	ZZZZZZ	1		
12:24	ZZZZZZ	1		
12:28	ZZZZZZ	1		
12:33	ZZZZZZ	1		
12:37	ZZZZZZ	1		
12:42	ZZZZZZ	1		
12:47	MA13715-CCV5	1		
12:51	MA13715-CCB5	1		
13:23	MA13715-ICV2	1		
13:29	MA13715-CCV6	1		
13:35	MA13715-CCB6	1		
13:45	ZZZZZZ	1		
13:49	ZZZZZZ	1		
13:54	ZZZZZZ	1		
13:58	ZZZZZZ	1		

6.1
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA38934R
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA010617M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 01/06/17
Run ID: MA13715
Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:03	ZZZZZZ	1		
14:07	ZZZZZZ	1		
14:12	ZZZZZZ	1		
14:16	ZZZZZZ	1		
14:21	ZZZZZZ	1		
14:25	MA13715-CCV7	1		
14:29	MA13715-CCB7	1		
14:34	MA13715-CCV8	1		
14:40	MA13715-CCB8	1		
14:44	ZZZZZZ	1		
14:49	ZZZZZZ	1		
14:53	MP31440-MB2A	1		
14:58	MP31440-MB1	1		
15:02	MP31446-B1	1		
15:07	FA39978-3	1		(sample used for QC only; not part of login FA38934R)
15:11	MP31446-D1	1		
15:16	MP31446-SD1	5		
15:21	MP31446-S1	1		
15:25	MP31446-S2	1		
15:29	MA13715-CCV9	1		
15:33	MA13715-CCB9	1		
15:38	ZZZZZZ	1		
15:43	ZZZZZZ	1		
15:47	ZZZZZZ	1		
15:52	ZZZZZZ	1		
15:56	MP31446-MB2	1		
16:01	MP31446-B2	1		
16:05	MP31446-MB3	1		
16:10	MP31446-B3	1		
16:14	MP31446-MB4	1		
16:19	MP31446-B4	1		
16:23	MA13715-CCV10	1		
16:27	MA13715-CCB10	1		

6.1
6

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA38934R
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA010617M1.ICP
Analyst: LM
Parameters: Pb

Date Analyzed: 01/06/17
Run ID: MA13715

Methods: SW846 6010C

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:12	MA13715-CCV11	1		
19:16	MA13715-CCB11	1		
19:49	MA13715-CRIA2	1		
19:53	MA13715-ICSA2	1		
19:58	MA13715-ICSAB2	1		
20:02	MA13715-CCV12	1		
20:07	MA13715-CCB12	1		

-----> Last reportable CCB for job FA38934R
Refer to raw data for calibration curve and standards.

6.1
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INTERNAL STANDARD SUMMARY

Login Number: FA38934R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA010617M1.ICP Date Analyzed: 01/06/17 Methods: SW846 6010C
 Analyst: LM Run ID: MA13715
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:01	MA13715-STD1	4415	34905	7681	1966
08:05	MA13715-STD2	4389	34995	7724	1930
08:08	MA13715-STD3	4268	34474	7669	1823
08:12	MA13715-STD4	4195	33993	7517	1734
08:16	MA13715-HSTD1	4160	33787	7470	1721
08:25	MA13715-ICV1	4218	34372	7623	1812
08:34	MA13715-ICB1	4472 R	35399 R	7642 R	1988 R
08:38	MA13715-CR1A1	4444	35572	7748	1986
08:44	MA13715-ICSA1	3928	32135	7207	1609
08:50	MA13715-ICSAB1	3960	32030	7130	1594
09:00	MA13715-CCV1	4215	34060	7531	1804
09:10	MA13715-CCB1	4421	34812	7602	1971
09:16	MP31429-MB1	4366	34573	7615	1951
09:21	MP31429-B1	4384	34656	7455	1935
09:32	FA38934-2R	4396	34633	7547	1916
09:37	MP31429-D1	4431	34823	7495	1932
09:41	MP31429-SD1	4510	35479	7640	1982
09:46	MP31429-PS1	4421	34669	7534	1913
09:50	MP31429-S1	4428	34529	7461	1910
09:54	MP31429-S2	4476	35005	7499	1926
09:59	FA38934-3R	4465	34714	7505	1918
10:03	FA38934-5R	4474	34853	7546	1940
10:07	MA13715-CCV2	4368	34538	7395	1842
10:11	MA13715-CCB2	4515	35241	7572	1994
10:16	FA38934-6R	4465	34831	7478	1925
10:20	FA38934-8R	4494	34729	7462	1928
10:25	FA38934-9R	4530	34783	7362	1937
10:29	FA38934-11R	4504	34679	7404	1927
10:33	FA38934-12R	4457	34702	7392	1918
10:38	FA38934-18R	4482	34785	7453	1923
10:42	ZZZZZZ	4515	34812	7367	1939
10:47	MP31429-D2	4478	34791	7373	1928
10:56	ZZZZZZ	4232	33923	7221	1839

6.1.1
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INTERNAL STANDARD SUMMARY

Login Number: FA38934R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA010617M1.ICP Date Analyzed: 01/06/17 Methods: SW846 6010C
 Analyst: LM Run ID: MA13715
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:00	MA13715-CCV3	4349	34259	7288	1825
11:05	MA13715-CCB3	4484	35024	7467	1976
11:09	ZZZZZZ	4294	34511	7365	1775
11:14	MP31439-MB1	4431	34311	7311	1933
11:18	MP31439-B1	4250	33404	7041	1809
11:23	MP31439-B2	4226	33400	7077	1808
11:27	ZZZZZZ	4471	35290	7554	1982
11:31	MP31440-MB1	4451	34469	7328	1936
11:36	MP31440-B1	4271	33924	7123	1823
11:40	FA39951-5	4275	33983	7298	1876
11:44	MP31440-D1	4280	33997	7292	1874
11:49	MP31440-SD1	4506	35205	7380	1971
11:53	MA13715-CCV4	4384	34618	7268	1836
11:58	MA13715-CCB4	4539	35443	7480	1980
12:02	MP31440-PS1	4328	34054	7259	1868
12:06	MP31440-S1	4228	33299	7062	1781
12:11	MP31440-S2	4182	33138	7058	1763
12:15	ZZZZZZ	4342	33952	7151	1860
12:19	ZZZZZZ	4267	33510	7063	1854
12:24	ZZZZZZ	4146	32957	7008	1735
12:28	ZZZZZZ	4313	34053	7137	1883
12:33	ZZZZZZ	4310	33824	7040	1886
12:37	ZZZZZZ	4136	33039	6899	1764
12:42	ZZZZZZ	4150	33210	6966	1791
12:47	MA13715-CCV5	4399	34403	7213	1826
12:51	MA13715-CCB5	4551	34949	7262	1962
13:23	MA13715-ICV2	4390	34142	7107	1815
13:29	MA13715-CCV6	4402	34161	7054	1819
13:35	MA13715-CCB6	4547	35103	7290	1971
13:45	ZZZZZZ	4278	33515	6927	1853
13:49	ZZZZZZ	4296	33484	6962	1862
13:54	ZZZZZZ	4400	34201	7101	1906
13:58	ZZZZZZ	4399	34232	7019	1897

INTERNAL STANDARD SUMMARY

Login Number: FA38934R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA010617M1.ICP Date Analyzed: 01/06/17 Methods: SW846 6010C
 Analyst: LM Run ID: MA13715
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:03	ZZZZZZ	4414	34073	6999	1902
14:07	ZZZZZZ	4270	33518	6909	1843
14:12	ZZZZZZ	4285	33578	6862	1846
14:16	ZZZZZZ	4262	33496	6884	1826
14:21	ZZZZZZ	4283	33543	6842	1833
14:25	MA13715-CCV7	4367	33679	6843	1789
14:29	MA13715-CCB7	4595	35348	7207	1977
14:34	MA13715-CCV8	4460	34516	7102	1836
14:40	MA13715-CCB8	4600	35074	7089	1968
14:44	ZZZZZZ	4328	33818	6904	1853
14:49	ZZZZZZ	4312	33597	6830	1845
14:53	MP31440-MB2A	4424	34064	6994	1905
14:58	MP31440-MB1	4492	34244	7042	1924
15:02	MP31446-B1	4443	34159	6962	1849
15:07	FA39978-3	4373	34236	7007	1852
15:11	MP31446-D1	4386	34445	7128	1860
15:16	MP31446-SD1	4580	35262	7158	1961
15:21	MP31446-S1	4297	33720	6886	1765
15:25	MP31446-S2	4310	33948	6956	1775
15:29	MA13715-CCV9	4446	34206	6908	1818
15:33	MA13715-CCB9	4565	34830	6977	1952
15:38	ZZZZZZ	4408	34381	7023	1866
15:43	ZZZZZZ	4312	34027	6982	1829
15:47	ZZZZZZ	4267	33701	6899	1814
15:52	ZZZZZZ	4235	33445	6859	1802
15:56	MP31446-MB2	4483	34937	7186	1913
16:01	MP31446-B2	4337	33868	6932	1802
16:05	MP31446-MB3	4414	34229	6928	1861
16:10	MP31446-B3	4313	33868	6926	1782
16:14	MP31446-MB4	4385	34337	7016	1857
16:19	MP31446-B4	4320	33824	6907	1781
16:23	MA13715-CCV10	4428	34418	6989	1821
16:27	MA13715-CCB10	4581	35153	7223	1973

INTERNAL STANDARD SUMMARY

Login Number: FA38934R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA010617M1.ICP Date Analyzed: 01/06/17 Methods: SW846 6010C
 Analyst: LM Run ID: MA13715
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
19:12	MA13715-CCV11	4373	33684	6284	1799
19:16	MA13715-CCB11	4383	33374	6108	1882
19:49	MA13715-CRIA2	4545	34812	6186	1949
19:53	MA13715-ICSA2	4039	31593	5777	1603
19:58	MA13715-ICSAB2	4034	31487	5804	1580
20:02	MA13715-CCV12	4361	33588	6033	1796
20:07	MA13715-CCB12	4530	34453	6164	1942

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

<u>Istd#</u>	<u>Parameter</u>	<u>Limits</u>
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.1.1
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BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA38934R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA010617M1.ICP
 QC Limits: result < RL

Date Analyzed: 01/06/17
 Run ID: MA13715

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	08:34 ICB1		09:10 CCB1		10:11 CCB2		11:05 CCB3	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14								
Antimony		6.0	1	anr							
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2								
Cadmium		5.0	.2	anr							
Calcium		1000	50	anr							
Chromium		10	1	anr							
Cobalt		50	.2								
Copper		25	1								
Iron		300	17	anr							
Lead		5.0	1	-0.20	<5.0	-0.20	<5.0	0.0	<5.0	0.30	<5.0
Magnesium		5000	35								
Manganese		15	.5								
Molybdenum		50	.3								
Nickel		40	.4	anr							
Potassium		10000	200								
Selenium		10	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500								
Strontium		10	.5								
Thallium		10	1.1	anr							
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA38934R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA010617M1.ICP
 QC Limits: result < RL

Date Analyzed: 01/06/17
 Run ID: MA13715

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	11:58 CCB4		12:51 CCB5		13:35 CCB6		14:29 CCB7	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14								
Antimony		6.0	1	anr							
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2								
Cadmium		5.0	.2	anr							
Calcium		1000	50	anr							
Chromium		10	1	anr							
Cobalt		50	.2								
Copper		25	1								
Iron		300	17	anr							
Lead		5.0	1	0.40	<5.0	0.30	<5.0	-0.70	<5.0	-0.30	<5.0
Magnesium		5000	35								
Manganese		15	.5								
Molybdenum		50	.3								
Nickel		40	.4	anr							
Potassium		10000	200								
Selenium		10	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500								
Strontium		10	.5								
Thallium		10	1.1	anr							
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA38934R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA010617M1.ICP
 QC Limits: result < RL

Date Analyzed: 01/06/17
 Run ID: MA13715

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	14:40 CCB8		15:33 CCB9		16:27 CCB10		19:16 CCB11	
				raw	final	raw	final	raw	final	raw	final
Aluminum		200	14								
Antimony		6.0	1	anr							
Arsenic		10	1.3	anr							
Barium		200	1	anr							
Beryllium		4.0	.2								
Cadmium		5.0	.2	anr							
Calcium		1000	50	anr							
Chromium		10	1	anr							
Cobalt		50	.2								
Copper		25	1								
Iron		300	17	anr							
Lead		5.0	1	-0.50	<5.0	0.0	<5.0	-0.40	<5.0	-0.30	<5.0
Magnesium		5000	35								
Manganese		15	.5								
Molybdenum		50	.3								
Nickel		40	.4	anr							
Potassium		10000	200								
Selenium		10	2.4	anr							
Silver		10	.7	anr							
Sodium		10000	500								
Strontium		10	.5								
Thallium		10	1.1	anr							
Tin		50	.9								
Titanium		10	.5								
Vanadium		50	.5								
Zinc		20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA38934R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA010617M1.ICP
 QC Limits: result < RL

Date Analyzed: 01/06/17
 Run ID: MA13715

Methods: SW846 6010C
 Units: ug/l

Metal	Time: Sample ID:	RL	IDL	20:07 CCB12 raw	final
Aluminum		200	14		
Antimony		6.0	1	anr	
Arsenic		10	1.3	anr	
Barium		200	1	anr	
Beryllium		4.0	.2		
Cadmium		5.0	.2	anr	
Calcium		1000	50	anr	
Chromium		10	1	anr	
Cobalt		50	.2		
Copper		25	1		
Iron		300	17	anr	
Lead		5.0	1	-0.40	<5.0
Magnesium		5000	35		
Manganese		15	.5		
Molybdenum		50	.3		
Nickel		40	.4	anr	
Potassium		10000	200		
Selenium		10	2.4	anr	
Silver		10	.7	anr	
Sodium		10000	500		
Strontium		10	.5		
Thallium		10	1.1	anr	
Tin		50	.9		
Titanium		10	.5		
Vanadium		50	.5		
Zinc		20	3	anr	

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
 6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA38934R
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA010617M1.ICP Date Analyzed: 01/06/17 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13715 Units: ug/l

Metal	Time: Sample ID: ICV	08:25		CCV True	09:00		CCV True	10:07	
		ICV1 Results	% Rec		CCV1 Results	% Rec		CCV2 Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper									
Iron	anr								
Lead	2000	1990	99.5	2000	2020	101.0	2000	1990	99.5
Magnesium									
Manganese									
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA38934R
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA010617M1.ICP Date Analyzed: 01/06/17 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13715 Units: ug/l

Metal	Sample ID	CCV	11:00		11:53		12:47		
			CCV3	Results	CCV4	Results	CCV5	Results	
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper									
Iron	anr								
Lead	2000	1980	99.0	2000	1970	98.5	2000	1980	99.0
Magnesium									
Manganese									
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA38934R
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA010617M1.ICP Date Analyzed: 01/06/17 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13715 Units: ug/l

Metal	Time:		13:23		13:29		14:25	
	Sample ID:	ICV	ICV2	% Rec	CCV	CCV6	CCV	CCV7
	True		Results		True	Results	True	Results
Aluminum								
Antimony	anr							
Arsenic	anr							
Barium	anr							
Beryllium								
Cadmium	anr							
Calcium	anr							
Chromium	anr							
Cobalt								
Copper								
Iron	anr							
Lead	2000	1960	98.0	2000	1990	99.5	2000	2040
Magnesium								
Manganese								
Molybdenum								
Nickel	anr							
Potassium								
Selenium	anr							
Silver	anr							
Sodium								
Strontium								
Thallium	anr							
Tin								
Titanium								
Vanadium								
Zinc	anr							

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
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CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA38934R
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA010617M1.ICP Date Analyzed: 01/06/17 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13715 Units: ug/l

Metal	Sample ID	CCV	14:34		CCV	15:29		CCV	16:23	
			CCV8	Results		CCV9	Results		CCV10	Results
		True	% Rec		True	% Rec		True	% Rec	
Aluminum										
Antimony	anr									
Arsenic	anr									
Barium	anr									
Beryllium										
Cadmium	anr									
Calcium	anr									
Chromium	anr									
Cobalt										
Copper										
Iron	anr									
Lead	2000	1980	99.0	2000	2010	100.5	2000	2010	100.5	
Magnesium										
Manganese										
Molybdenum										
Nickel	anr									
Potassium										
Selenium	anr									
Silver	anr									
Sodium										
Strontium										
Thallium	anr									
Tin										
Titanium										
Vanadium										
Zinc	anr									

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA38934R
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA010617M1.ICP Date Analyzed: 01/06/17 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA13715 Units: ug/l

Metal	Sample ID	CCV	19:12 CCV11		20:02 CCV12	
			Results	% Rec	True	Results
Aluminum						
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium						
Cadmium	anr					
Calcium	anr					
Chromium	anr					
Cobalt						
Copper						
Iron	anr					
Lead	2000	2030	101.5	2000	2030	101.5
Magnesium						
Manganese						
Molybdenum						
Nickel	anr					
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium						
Zinc	anr					

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA38934R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA010617M1.ICP Date Analyzed: 01/06/17 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA13715 Units: ug/l

Time:	08:16	
Sample ID:	HSTD	HSTD1
Metal	True	Results % Rec

Aluminum			
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt			
Copper			
Iron	anr		
Lead	4000	4010	100.3
Magnesium			
Manganese			
Molybdenum			
Nickel	anr		
Potassium			
Selenium	anr		
Silver	anr		
Sodium			
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA38934R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA010617M1.ICP Date Analyzed: 01/06/17 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA13715 Units: ug/l

Time: Sample ID:	CRI True	CRIA True	08:38 CRIA1 Results	% Rec	19:49 CRIA2 Results	% Rec
Metal						
Aluminum	400	200				
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25				
Iron	600	300	anr			
Lead	10	5.0	5.2	104.0	5.3	106.0
Magnesium	10000	5000				
Manganese	30	15				
Molybdenum	100	50				
Nickel	80	40	anr			
Potassium	20000	10000				
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000				
Strontium	20	10				
Thallium	20	10	anr			
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA38934R
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA010617M1.ICP Date Analyzed: 01/06/17 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA13715 Units: ug/l

Metal	Time:		08:44		08:50		19:53		19:58	
	Sample ID:	ICSAB	ICSAB	ICSAB	ICSAB1	ICSAB1	ICSAB2	ICSAB2	ICSAB2	ICSAB2
	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	501000	100.2	495000	99.0	514000	102.8	508000	101.6
Antimony		1000	-1.6		1060	106.0	-0.30		1060	106.0
Arsenic		1000	-1.2		1110	111.0	-1.1		1110	111.0
Barium		500	0.30		525	105.0	0.80		555	111.0
Beryllium		500	-0.10		508	101.6	-0.10		479	95.8
Cadmium		1000	0.80		962	96.2	1.6		968	96.8
Calcium	500000	500000	475000	95.0	469000	93.8	456000	91.2	447000	89.4
Chromium		500	-0.50		509	101.8	-0.30		515	103.0
Cobalt		500	0.50		487	97.4	0.80		489	97.8
Copper		500	0.30		557	111.4	-2.2		555	111.0
Iron	200000	200000	180000	90.0	181000	90.5	155000	77.5*(a)	157000	78.5*(a)
Lead		1000	0.0		1000	100.0	4.8		1010	101.0
Magnesium	500000	500000	515000	103.0	519000	103.8	462000	92.4	461000	92.2
Manganese		500	-0.60		502	100.4	-0.80		508	101.6
Molybdenum		1000	0.40		990	99.0	0.70		999	99.9
Nickel		1000	0.0		974	97.4	-0.20		975	97.5
Potassium			3.9		-4.2		203		201	
Selenium		1000	-1.0		1040	104.0	2.5		1040	104.0
Silver		1000	-0.40		1010	101.0	-0.50		1020	102.0
Sodium			137		142		1290		1060	
Strontium		1000	-0.50		1030	103.0	2.3		1070	107.0
Thallium		1000	0.0		997	99.7	-1.7		1010	101.0
Tin		1000	3.4		979	97.9	4.3		987	98.7
Titanium		1000	-0.80		1030	103.0	-0.90		1040	104.0
Vanadium		500	0.0		487	97.4	1.5		496	99.2
Zinc		1000	-2.5		950	95.0	-2.5		961	96.1

(*) Outside of QC limits
(anr) Analyte not requested
(a) Possible instrument baseline drift.

6.1.6
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA38934R
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP31429
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 01/04/17

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.4	3.5		
Antimony	2.0	.1	.13		
Arsenic	1.0	.13	.2		
Barium	20	.1	.1		
Beryllium	0.50	.02	.05		
Cadmium	0.40	.02	.05		
Calcium	500	5	5		
Chromium	1.0	.1	.1		
Cobalt	5.0	.02	.05		
Copper	2.5	.1	.1		
Iron	30	1.7	1.7		
Lead	2.0	.1	.1	-0.070	<2.0
Magnesium	500	3.5	3.6		
Manganese	1.5	.05	.05		
Molybdenum	5.0	.03	.05		
Nickel	4.0	.04	.05		
Potassium	1000	20	20		
Selenium	2.0	.24	.24		
Silver	1.0	.07	.082		
Sodium	1000	50	50		
Strontium	1.0	.05	.05		
Thallium	1.0	.11	.11		
Tin	5.0	.09	.09		
Titanium	1.0	.05	.05		
Vanadium	5.0	.05	.05		
Zinc	2.0	.3	.3		

Associated samples MP31429: FA38934-2R, FA38934-3R, FA38934-5R, FA38934-6R, FA38934-8R, FA38934-9R, FA38934-11R, FA38934-12R, FA38934-18R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

6.21
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA38934R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP31429
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 01/04/17 01/04/17

Metal	FA38934-2R Original DUP		RPD	QC Limits	FA38934-2R Original MS		Spikelot MPFLICP2 % Rec	QC Limits
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead	1.8	1.7	5.7	0-20	1.8	11.3	9.84	113.0N(a) 80-120
Magnesium								
Manganese								
Molybdenum								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Strontium								
Thallium								
Tin								
Titanium								
Vanadium								
Zinc								

Associated samples MP31429: FA38934-2R, FA38934-3R, FA38934-5R, FA38934-6R, FA38934-8R, FA38934-9R, FA38934-11R, FA38934-12R, FA38934-18R

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested
 (a) Spike recovery indicates possible matrix interference and/or sample non-homogeneity.

6.2.2
 6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA38934R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP31429
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 01/04/17 01/04/17

Metal	FA38934-2R Original MSD	Spikelot MPFLICP2 % Rec	MSD RPD	QC Limit	FA38934-2R Original DUP	RPD	QC Limits
Aluminum							
Antimony							
Arsenic							
Barium							
Beryllium							
Cadmium							
Calcium							
Chromium							
Cobalt							
Copper							
Iron							
Lead	1.8 10.1	9.28 89.4	11.2	20	1.8 1.7	5.7	0-20
Magnesium							
Manganese							
Molybdenum							
Nickel							
Potassium							
Selenium							
Silver							
Sodium							
Strontium							
Thallium							
Tin							
Titanium							
Vanadium							
Zinc							

Associated samples MP31429: FA38934-2R, FA38934-3R, FA38934-5R, FA38934-6R, FA38934-8R, FA38934-9R, FA38934-11R, FA38934-12R, FA38934-18R

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA38934R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP31429
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 01/04/17

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	9.9	10	99.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP31429: FA38934-2R, FA38934-3R, FA38934-5R, FA38934-6R, FA38934-8R, FA38934-9R, FA38934-11R, FA38934-12R, FA38934-18R

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.2.3
 6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA38934R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP31429
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 01/04/17

Metal	FA38934-2R	QC
	Original SDL 5:25 %DIF	Limits

Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	98.1	90.8	7.4	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP31429: FA38934-2R, FA38934-3R, FA38934-5R, FA38934-6R, FA38934-8R, FA38934-9R, FA38934-11R, FA38934-12R, FA38934-18R

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.2.4
6

POST DIGESTATE SPIKE SUMMARY

Login Number: FA38934R
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP31429
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date:

01/04/17

Metal	Sample ml	Final ml	FA38934-2R Raw	PS Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead	9.8	10	98.1	96.138	137.9	0.2	2.5	50	83.5	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP31429: FA38934-2R, FA38934-3R, FA38934-5R, FA38934-6R, FA38934-8R, FA38934-9R, FA38934-11R, FA38934-12R, FA38934-18R

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (**) Corr. sample result = Raw * (sample volume / final volume)
 (anr) Analyte not requested

6.2.5
6

Instrument Detection Limits

Job Number: FA38934R
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1	Effective Date: 01/27/15
-------------------------	--------------------------

Analyte	IDL ug/l
Aluminum	14
Antimony	1
Arsenic	1.3
Barium	1
Beryllium	.2
Cadmium	.2
Calcium	50
Chromium	1
Cobalt	.2
Copper	1
Iron	17
Lead	1
Magnesium	35
Manganese	.5
Molybdenum	.3
Nickel	.4
Potassium	200
Selenium	2.4
Silicon	5
Silver	.7
Sodium	500
Strontium	.5
Sulfur	5
Thallium	1.1
Tin	.9
Titanium	.5
Vanadium	.5
Zinc	3

The above applies to the following instrument runs:
MA13715

6.3
6

Instrument Linear Ranges

Job Number: FA38934R
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1	Effective Date: 08/13/13
-------------------------	--------------------------

Analyte	Linear Range ug/l
Aluminum	500000
Antimony	10000
Arsenic	10000
Barium	10000
Beryllium	10000
Cadmium	10000
Calcium	500000
Chromium	10000
Cobalt	10000
Copper	10000
Iron	500000
Lead	10000
Magnesium	500000
Manganese	10000
Molybdenum	10000
Nickel	10000
Potassium	80000
Selenium	10000
Silver	1000
Sodium	80000
Strontium	10000
Sulfur	10000
Thallium	10000
Tin	10000
Titanium	10000
Vanadium	10000
Zinc	10000

The above applies to the following instrument runs:
MA13715

6.3
6

Metals Analysis

Raw Data

Sample Name: Blank Acquired: 1/6/2017 8:01:11 Type: Cal
Method: 60102007_042011(v413) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	.0020	-0.0010	.0000	.0006	.0072	-0.0012	-0.0007	-0.0001
Stddev	.0001	.0013	.0001	.001	.0007	.0001	.0004	.0002	.0001
%RSD	146.6	67.58	14.38	4555.	116.8	1.553	35.47	31.58	113.3
#1	.0000	.0011	-0.0009	-0.0010	.0000	.0071	-0.0007	-0.0005	.0000
#2	.0002	.0013	-0.0011	.0006	.0004	.0072	-0.0015	-0.0009	-0.0001
#3	.0000	.0035	-0.0009	.0003	.0013	.0073	-0.0014	-0.0006	-0.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0154	.0013	-0.0017	-0.0002	.0009	.0020	.0053	-0.0009	-0.0009
Stddev	.0001	.0000	.0004	.0003	.0001	.0002	.0014	.0002	.0005
%RSD	.3903	3.490	24.08	182.2	6.983	10.91	26.21	27.28	56.15
#1	.0153	.0013	-0.0013	-0.0005	.0009	.0021	.0038	-0.0011	-0.0008
#2	.0154	.0013	-0.0018	-0.0002	.0009	.0021	.0066	-0.0009	-0.0005
#3	.0154	.0014	-0.0021	.0001	.0010	.0017	.0054	-0.0006	-0.0015
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0006	.0005	.0059	.0007	.0005	.0012	-0.0021	-0.0009	.0029
Stddev	.0001	.0002	.0001	.0000	.0015	.0000	.0002	.0001	.0002
%RSD	21.93	40.08	1.337	5.144	283.6	2.571	10.99	13.76	7.801
#1	.0005	.0008	.0058	.0007	-0.0012	.0012	-0.0019	-0.0007	.0031
#2	.0004	.0004	.0059	.0007	.0011	.0012	-0.0020	-0.0009	.0031
#3	.0007	.0004	.0060	.0007	.0016	.0012	-0.0023	-0.0009	.0027
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	1965.5	4415.2	3490.5	7680.7					
Stddev	2.5	9.6	96.	22.6					
%RSD	.12612	.21829	.27598	.29407					
#1	1962.9	4419.6	34796.	7657.3					
#2	1967.7	4421.8	34979.	7682.4					
#3	1966.0	4404.1	34940.	7702.4					

Raw Data MA13715 page 1 of 153

Sample Name: LowStd Acquired: 1/6/2017 8:05:12 Type: Cal
Method: 60102007_042011(v413) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0396	1.639	.0898	4.326	5.143	2.568	2.396	1.390	2.326
Stddev	.0002	.005	.0001	.015	.010	.017	.004	.000	.0015
%RSD	.4601	.2903	.0559	.3492	.1926	.6630	.1604	.0176	.6299
#1	.0394	1.634	.0898	4.342	5.155	2.549	2.398	1.390	2.343
#2	.0395	1.640	.0897	4.323	5.137	2.574	2.392	1.390	2.316
#3	.0398	1.643	.0898	4.312	5.138	2.582	2.399	1.390	2.320
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4220	1.634	7.426	2.251	1.332	4.876	3.152	.8061	4.456
Stddev	.0008	.004	.0016	.0012	.002	.0016	.020	.0013	.0006
%RSD	.1987	.2332	.2199	.5176	.1686	.3221	.6268	.1656	.1435
#1	.4230	1.630	7.440	2.238	1.335	4.867	3.175	.8059	4.453
#2	.4214	1.635	7.430	2.254	1.331	4.867	3.137	.8048	4.464
#3	.4216	1.637	7.408	2.261	1.331	4.895	3.146	.8075	4.452
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.124	.0677	1.478	.2026	6.413	.7812	1.456	.3341	1.127
Stddev	.0005	.0005	.0008	.0002	.023	.0012	.0007	.0012	.001
%RSD	.3707	.7649	.5204	.1041	.3641	.1492	.5121	.3597	.0949
#1	.1219	.0672	1.476	.2028	6.440	.7799	1.454	.3354	1.128
#2	.1227	.0681	1.472	.2027	6.398	.7815	1.451	.3331	1.126
#3	.1227	.0680	1.487	.2024	6.401	.7822	1.465	.3338	1.127
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	1930.4	4388.9	34995.	7723.7					
Stddev	2.0	3.5	84.	40.6					
%RSD	.10103	.08038	.23956	.52615					
#1	1932.6	4388.6	34898.	7766.5					
#2	1929.2	4392.6	35039.	7718.9					
#3	1929.3	4385.6	35048.	7685.6					

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Sample Name: MidStd Acquired: 1/6/2017 8:08:35 Type: Cal
Method: 60102007_042011(v413) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.598	6.375	3.638	17.01	20.15	9.806	9.369	5.424	8.977
Stddev	.0001	.025	.0005	.05	.07	.013	.025	.014	.0018
%RSD	.0807	.3867	.1312	.2692	.3348	.1350	.2690	.2642	.1984
#1	.1597	6.377	3.643	16.99	20.20	9.820	9.397	5.440	8.964
#2	.1599	6.349	3.636	16.97	20.07	9.794	9.362	5.417	8.969
#3	.1597	6.399	3.634	17.06	20.18	9.803	9.348	5.414	8.997
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.651	6.471	2.928	8.678	5.179	2.003	12.33	3.144	1.803
Stddev	.004	.024	.009	.0040	.003	.003	.03	.004	.002
%RSD	.2680	.3632	.3099	.4607	.0639	.1338	.2031	.1344	.1004
#1	1.649	6.493	2.939	8.717	5.182	2.006	12.35	3.148	1.804
#2	1.648	6.446	2.924	8.638	5.176	2.001	12.30	3.144	1.804
#3	1.656	6.475	2.922	8.679	5.179	2.003	12.34	3.139	1.801
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.908	2.695	6.135	8.227	26.51	3.192	5.998	1.338	4.361
Stddev	.0003	.0010	.0006	.0028	.09	.003	.0011	.001	.016
%RSD	.0560	.3818	.0980	.3423	.3357	.1052	.1914	.0669	.3557
#1	.4911	2.704	6.142	8.256	26.54	3.195	5.989	1.338	4.379
#2	.4905	2.684	6.131	8.224	26.40	3.189	6.011	1.338	4.355
#3	.4907	2.696	6.131	8.200	26.57	3.192	5.995	1.339	4.350
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	1823.1	4267.8	3447.4	7668.8					
Stddev	2.7	7.2	83.	11.7					
%RSD	.14851	.16866	.24075	.15230					
#1	1820.9	4263.3	3441.1	7657.9					
#2	1826.1	4276.1	3456.8	7681.1					
#3	1822.3	4263.9	3444.1	7667.3					

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Sample Name: HighStd Acquired: 1/6/2017 8:12:27 Type: Cal
Method: 60102007_042011(v413) Mode: IR Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.179	12.60	7.136	32.90	38.83	19.11	18.01	10.52	1.757
Stddev	.0007	.04	.0007	.29	.26	.04	.03	.02	.009
%RSD	.2126	.3470	.0963	.8822	.6742	.1927	.1837	.1576	.5120
#1	.3184	12.65	7.139	33.22	39.10	19.10	18.02	10.52	1.766
#2	.3171	12.58	7.128	32.83	38.80	19.09	18.04	10.54	1.756
#3	.3181	12.57	7.141	32.65	38.58	19.16	17.98	10.51	1.748
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.278	12.55	5.759	1.732	9.893	3.855	24.23	6.046	3.588
Stddev	.005	.01	.019	.005	.039	.005	.06	.004	.002
%RSD	.1504	.0801	.3269	.2886	.3970	.1274	.2514	.0680	.0595
#1	3.277	12.55	5.772	1.727	9.909	3.857	24.27	6.047	3.586
#2	3.283	12.54	5.767	1.734	9.849	3.860	24.26	6.050	3.587
#3	3.274	12.56	5.737	1.736	9.923	3.850	24.16	6.042	3.590
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	9.604	5.258	1.256	1.599	50.42	6.219	1.185	2.645	8.468
Stddev	.0016	.0006	.002	.002	.31				

Sample Name: HSTD Acquired: 1/6/2017 8:16:31 Type: QC
 Method: 60102007_042011(v413) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5034	79.85	3.993	3.948	3.921	79.56	3.948	3.972	3.965
Stddev	.0015	.08	.007	.055	.012	.29	.005	.005	.006
%RSD	.3061	.1037	.1822	1.382	.2950	.3620	.1227	.1191	.1620

#1	.5051	79.92	3.987	3.885	3.925	79.89	3.945	3.968	3.973
#2	.5020	79.86	3.991	3.984	3.907	79.36	3.946	3.971	3.963
#3	.5032	79.76	4.001	3.975	3.929	79.43	3.954	3.977	3.960

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.055	79.16	79.17	80.27	3.910	3.977	79.29	3.949	4.007
Stddev	.004	.17	.25	.60	.006	.002	.29	.000	.005
%RSD	.1002	.2133	.3118	.7479	.1659	.0587	.3651	.0077	.1218

#1	4.059	79.35	78.89	80.94	3.903	3.974	78.96	3.949	4.009
#2	4.053	79.05	79.22	79.77	3.916	3.977	79.47	3.949	4.002
#3	4.052	79.06	79.38	80.10	3.911	3.979	79.45	3.949	4.011

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.984	3.992	4.089	3.985	3.894	3.948	4.001	3.966	3.962
Stddev	.002	.006	.008	.008	.050	.005	.009	.012	.007
%RSD	.0603	.1499	.1955	.1940	1.275	.1219	.2212	.3017	.1736

#1	3.987	3.987	4.080	3.978	3.940	3.953	3.991	3.979	3.957
#2	3.984	3.990	4.096	3.984	3.841	3.943	4.004	3.956	3.958
#3	3.982	3.998	4.091	3.993	3.900	3.947	4.007	3.964	3.970

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 1/6/2017 8:16:31 Type: QC
 Method: 60102007_042011(v413) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1720.9	4159.9	33787.	7469.7
Stddev	1.9	6.6	76.	45.5
%RSD	.11040	.15902	.22554	.60978

#1	1722.3	4164.4	33707.	7420.2
#2	1718.7	4152.3	33796.	7509.9
#3	1721.6	4162.9	33858.	7479.1

Sample Name: ICV Acquired: 1/6/2017 8:25:57 Type: QC
 Method: 60102007_042011(v413) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2576	40.99	2.029	2.050	2.033	41.36	2.023	2.021	1.999
Stddev	.0003	.30	.006	.009	.010	.26	.011	.003	.003
%RSD	.1359	.7410	.2861	.4621	.4833	.6270	.5217	.1595	.1721

#1	.2579	41.30	2.023	2.059	2.042	41.56	2.011	2.018	1.997
#2	.2575	41.00	2.033	2.051	2.034	41.46	2.025	2.020	2.002
#3	.2572	40.69	2.032	2.040	2.022	41.07	2.032	2.024	1.996

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.991	40.37	41.13	40.76	2.027	1.996	40.91	2.027	1.986
Stddev	.008	.26	.19	.36	.005	.003	.21	.004	.013
%RSD	.4131	.6411	.4598	.8788	.2526	.1585	.5022	.2178	.6667

#1	2.000	40.58	41.34	41.03	2.024	1.992	41.14	2.022	1.971
#2	1.986	40.46	41.07	40.90	2.033	1.997	40.85	2.029	1.991
#3	1.987	40.08	40.97	40.36	2.025	1.998	40.74	2.031	1.995

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.033	2.035	1.426	2.052	1.994	2.024	2.077	1.949	2.009
Stddev	.004	.008	.0023	.009	.011	.003	.007	.005	.019
%RSD	.2112	.4048	1.643	.4278	.5511	.1564	.3195	.2500	.9298

#1	2.038	2.027	.1402	2.042	2.005	2.024	2.072	1.949	1.988
#2	2.031	2.034	.1449	2.058	1.993	2.028	2.073	1.954	2.018
#3	2.030	2.043	.1426	2.057	1.983	2.021	2.084	1.944	2.022

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 1/6/2017 8:25:57 Type: QC
 Method: 60102007_042011(v413) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1812.2	4218.4	34372.	7622.7
Stddev	10.4	31.2	138.	51.4
%RSD	.57452	.74062	.40117	.67371

#1	1800.4	4182.8	34240.	7587.6
#2	1820.1	4240.9	34363.	7598.9
#3	1816.2	4231.6	34515.	7681.7

Sample Name: ICB Acquired: 1/6/2017 8:34:27 Type: QC
 Method: 60102007_042011(v413) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0017	.0003	.0000	.0000	-0.018	-0.001	.0000	-0.002
Stddev	.0005	.0034	.0005	.000	.0000	.0007	.0001	.0001	.0002
%RSD	377.0	208.2	196.3	416.5	896.9	38.09	118.9	470.1	92.52
#1	-.0006	.0033	.0001	-.0002	.0000	-.0024	-.0001	.0000	-.0001
#2	.0003	.0040	-.0002	-.0000	.0000	-.0010	.0000	.0000	-.0002
#3	.0000	-.0023	.0008	.0001	.0000	-.0021	.0000	.0001	-.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.007	-0.025	.0126	.0039	-0.001	.0000	-0.011	.0000	-0.002
Stddev	.0002	.0005	.0433	.0169	.0000	.000	.0028	.000	.0009
%RSD	25.44	20.95	344.9	434.3	31.35	964.7	256.1	462.7	407.4
#1	-.0009	-.0031	-.0367	.0022	-.0001	.0001	-.0041	-.0002	-.0009
#2	-.0005	-.0020	.0447	-.0121	-.0001	-.0000	-.0007	.0002	.0008
#3	-.0007	-.0024	.0297	.0216	-.0001	-.0001	.0015	-.0001	-.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0009	-0.008	-0.002	.0000	-0.002	-0.005	-0.003	-0.005
Stddev	.0009	.0015	.0002	.0004	.000	.0001	.0005	.0002	.0001
%RSD	131.0	161.4	31.23	242.8	60.13	37.04	91.45	80.08	19.50
#1	-.0005	.0025	-.0005	-.0006	.0000	-.0001	-.0004	-.0005	-.0005
#2	-.0007	-.0004	-.0008	.0000	-.0001	-.0002	-.0011	.0000	-.0004
#3	.0010	.0006	-.0010	.0001	.0000	-.0002	-.0001	-.0004	-.0006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 1/6/2017 8:34:27 Type: QC
 Method: 60102007_042011(v413) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1987.5	4472.4	35399.	7641.9
Stddev	6.2	13.6	75.	31.6
%RSD	.31250	.30398	.21269	.41399
#1	1993.7	4487.5	35312.	7632.5
#2	1987.6	4468.7	35447.	7677.2
#3	1981.3	4461.1	35438.	7616.0

Sample Name: CRIA Acquired: 1/6/2017 8:38:19 Type: QC
 Method: 60102007_042011(v413) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0085	.2067	.0108	.2078	.0052	1.059	.0052	.0527	.0104
Stddev	.0002	.0035	.0004	.0004	.0000	.003	.0000	.0001	.0002
%RSD	2.232	1.674	4.118	.1867	.7267	.2744	.7545	.1941	2.095
#1	.0084	.2045	.0107	.2074	.0052	1.061	.0052	.0526	.0101
#2	.0087	.2107	.0103	.2081	.0052	1.056	.0052	.0527	.0104
#3	.0084	.2049	.0112	.2080	.0052	1.061	.0052	.0528	.0106

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0224	.3216	.0117	5.196	.0160	.0512	10.18	.0427	.0052
Stddev	.0003	.0029	.03	.016	.0001	.0002	.04	.0002	.0003
%RSD	1.497	.9093	.3135	.2996	.7941	.4637	.4368	.4544	4.988
#1	.0228	.3249	0.16	5.184	.0161	.0509	10.23	.0428	.0049
#2	.0223	.3193	0.14	5.190	.0159	.0512	10.14	.0425	.0053
#3	.0222	.3205	0.20	5.214	.0159	.0514	10.17	.0428	.0053

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0048	.0097	.0117	.0531	.0101	.0101	.0100	.0497	.0208
Stddev	.0011	.0008	.0006	.0005	.0000	.0000	.0012	.0004	.0001
%RSD	22.61	8.109	5.120	.9990	.2778	.4897	12.01	.8272	.5154
#1	.0059	.0090	.0113	.0531	.0102	.0101	.0094	.0496	.0206
#2	.0047	.0105	.0115	.0537	.0101	.0102	.0092	.0493	.0208
#3	.0037	.0096	.0124	.0526	.0101	.0101	.0113	.0501	.0208

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 1/6/2017 8:38:19 Type: QC
 Method: 60102007_042011(v413) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1986.0	4444.1	35572.	7747.9
Stddev	1.8	2.7	52.	38.1
%RSD	.09167	.05966	.14637	.49147
#1	1987.4	4446.9	35512.	7748.2
#2	1984.0	4443.5	35600.	7785.8
#3	1986.8	4441.7	35604.	7709.6

Sample Name: ICSCA Acquired: 1/6/2017 8:44:11 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	501.2	-0.012	0.003	-0.001	474.7	0.008	0.005	-0.005
Stddev	0.002	3.9	0.027	0.002	0.000	.6	0.000	0.001	0.003
%RSD	45.26	.7774	223.5	70.79	33.93	.1228	6.001	26.76	61.29

#1 -0.006 498.0 -0.027 .003 -0.001 474.9 .007 .006 -0.003
 #2 -0.005 500.0 .0019 .001 -0.001 475.2 .008 .004 -0.009
 #3 -0.002 505.5 -0.030 .004 -0.002 474.1 .008 .006 -0.004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

High Limit
Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.003	179.9	0.039	514.8	-0.006	0.004	0.1366	0.000	0.000
Stddev	0.001	.5	.0233	1.7	0.000	0.003	0.060	0.003	0.001
%RSD	34.62	.2908	601.7	.3215	4.516	81.95	4.409	1010.	2248.

#1 .002 179.3 .0258 513.0 -0.006 .006 .1305 -0.003 .005
 #2 .003 179.9 -.0205 515.2 -0.006 .005 .1369 .001 .006
 #3 .004 180.4 .0063 516.2 -0.007 .000 .1425 .003 -0.012

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass

High Limit
Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.016	-0.010	0.774	0.034	-0.005	-0.008	0.000	0.000	-0.025
Stddev	0.011	0.026	0.009	0.004	0.003	0.001	0.024	0.00	0.001
%RSD	70.64	254.4	1.103	12.86	67.31	17.10	14550.	1005.	2.559

#1 -0.006 -0.021 .0766 .0034 -0.007 -0.007 .0000 .003 -0.026
 #2 -0.028 .0020 .0773 .0039 -0.007 -0.009 -.0023 -0.004 -0.025
 #3 -0.013 -0.030 .0783 .0030 -0.001 -0.007 .0024 .000 -0.025

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

High Limit .0010
Low Limit -0.010

Sample Name: ICSCA Acquired: 1/6/2017 8:44:11 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1608.8	3927.9	32135.	7207.4
Stddev	2.4	6.8	95.	17.2
%RSD	.14621	.17375	.29500	.23915

#1 1608.6 3930.9 32033. 7226.8
 #2 1606.5 3920.1 32151. 7201.2
 #3 1611.2 3932.8 32221. 7194.1

Sample Name: ICSAB Acquired: 1/6/2017 8:50:32 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.014	494.5	1.108	5247	5084	469.1	9617	4865	5092
Stddev	.001	3.5	.004	0.013	0.012	1.6	0.010	0.004	0.029
%RSD	.1133	.7022	.3250	.2566	.2377	.3362	.1017	.0913	.5777

#1 1.013 498.5 1.108 5245 .5083 467.6 .9607 .4870 .5058
 #2 1.015 492.0 1.111 5234 .5097 470.8 .9627 .4865 .5110
 #3 1.014 493.0 1.104 5261 .5073 469.0 .9618 .4861 .5108

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.5571	181.3	-0.042	519.4	0.5016	0.9900	0.1419	0.9735	1.001
Stddev	0.017	.6	.0170	3.9	0.025	0.004	0.0106	0.021	0.03
%RSD	.3132	.3475	407.8	.7447	.5070	.0396	7.444	.2174	.3434

#1 .5551 180.9 -0.061 515.9 .4994 .9895 .1330 .9723 .9968
 #2 .5583 182.1 .0137 523.5 .5044 .9902 .1392 .9760 1.003
 #3 .5580 181.0 -0.201 518.8 .5011 .9902 .1536 .9723 1.002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass

Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.057	1.035	0.1036	0.9785	1.034	1.027	0.9970	0.4867	0.9501
Stddev	.005	.007	.0006	.0023	.000	.004	.0059	.0019	.0016
%RSD	.4481	.7136	.6237	.2320	.0430	.4012	.5963	.3826	.1655

#1 1.055 1.031 .1029 .9777 1.034 1.024 .9968 .4858 .9497
 #2 1.053 1.030 .1042 .9811 1.033 1.032 1.003 .4889 .9519
 #3 1.062 1.043 .1037 .9768 1.034 1.025 .9912 .4855 .9488

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass

Value Range



Sample Name: CCV Acquired: 1/6/2017 9:00:37 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2549	40.48	2.048	2.050	2.054	40.71	2.062	2.056	2.036
Stddev	.0004	.17	.003	.009	.009	.25	.002	.003	.004
%RSD	.1567	.4143	.1479	.4268	.4133	.6170	.0847	.1495	.1925

#1	.2554	40.58	2.051	2.059	2.061	40.75	2.064	2.060	2.034
#2	.2547	40.28	2.048	2.042	2.045	40.44	2.061	2.054	2.041
#3	.2547	40.56	2.045	2.049	2.058	40.94	2.061	2.056	2.033

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.032	40.92	40.71	40.14	2.069	2.077	40.77	2.066	2.024
Stddev	.001	.19	.20	.36	.003	.001	.16	.005	.003
%RSD	.0628	.4643	.4969	.9024	.1512	.0472	.3862	.2466	.1608

#1	2.031	41.04	40.92	40.22	2.065	2.078	40.94	2.072	2.027
#2	2.033	40.70	40.51	39.75	2.072	2.076	40.64	2.062	2.020
#3	2.031	41.02	40.70	40.46	2.069	2.078	40.73	2.063	2.024

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.054	2.057	2.004	2.060	2.079	2.052	2.043	2.033	2.048
Stddev	.002	.006	.002	.004	.008	.004	.003	.005	.003
%RSD	.1127	.3034	.0746	.1997	.3981	.2148	.1455	.2464	.1453

#1	2.055	2.055	2.004	2.063	2.087	2.047	2.043	2.028	2.045
#2	2.051	2.052	2.002	2.060	2.070	2.054	2.046	2.038	2.051
#3	2.055	2.064	2.005	2.055	2.079	2.055	2.040	2.034	2.047

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 1/6/2017 9:00:37 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1803.9	4215.4	34060.	7530.5
Stddev	3.5	10.1	82.	38.1
%RSD	.19142	.23998	.23929	.50594

#1	1800.0	4205.7	34154.	7523.2
#2	1806.6	4225.9	34017.	7571.7
#3	1805.1	4214.5	34009.	7496.6

Sample Name: CCB Acquired: 1/6/2017 9:10:34 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0029	-0.0003	.0001	.0000	-0.0063	.0000	.0000	-0.0002
Stddev	.0002	.0064	.0003	.0001	.000	.0009	.000	.000	.0001
%RSD	241.2	217.0	80.52	109.8	108.1	13.73	3550.	2635.	40.00

#1	.0002	-0.0022	-0.0006	.0000	.0000	.0055	.0001	.0001	-0.0001
#2	-.0002	.0010	-0.0002	.0000	-.0001	.0062	.0000	-.0001	-0.0002
#3	.0002	.0101	-0.0002	.0002	.0000	.0072	-.0001	.0000	-0.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0002	-0.0122	.0197	.0000	-0.0004	.0026	.0000	-0.0002
Stddev	.0002	.0026	.0138	.0040	.0000	.0002	.0025	.0000	.0003
%RSD	35.00	1061.	113.6	20.10	75.67	42.21	96.85	184.3	178.4

#1	.0004	-0.0024	-0.0154	.0154	.0001	-.0002	.0003	.0001	.0001
#2	.0007	.0027	-0.0242	.0206	.0000	-.0005	.0023	.0000	-0.0001
#3	.0004	.0004	.0030	.0232	.0000	-.0005	.0053	.0000	-0.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	-0.0002	.0007	.0002	.0000	-0.0002	-0.0006	-0.0001	-0.0002
Stddev	.0004	.0014	.0004	.0001	.000	.0000	.0011	.0001	.0000
%RSD	130.0	640.1	55.55	31.25	153.3	12.95	190.8	102.8	5.693

#1	-.0006	-.0005	.0011	.0001	.0000	-.0003	-.0017	.0000	-0.0002
#2	-.0005	-.0015	.0004	.0002	-.0001	-.0002	-.0005	-.0001	-0.0002
#3	.0001	.0013	.0006	.0002	-.0001	-.0002	.0005	.0000	-0.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 1/6/2017 9:10:34 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1971.1	4421.1	34812.	7601.5
Stddev	1.3	5.3	142.	19.9
%RSD	.06767	.12079	.40820	.26116

#1	1972.6	4425.8	34772.	7580.1
#2	1970.2	4422.3	34695.	7604.8
#3	1970.4	4415.3	34970.	7619.4

Sample Name: MP31429-MB1 Acquired: 1/6/2017 9:16:51 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.007	.0106	F -.0061	-0.0022	-0.0008	.0561	-0.0013	-0.0007
Stddev	.0006	.0183	.0013	.0002	.0002	.0070	.0001	.0006
%RSD	83.65	171.6	21.29	137.9	30.34	12.55	9.065	93.07
#1	-.0006	.0056	-.0074	.0000	-.0009	.0500	-.0014	-.0010
#2	-.0002	.0309	-.0060	-.0004	-.0009	.0545	-.0015	-.0010
#3	-.0013	-.0046	-.0048	-.0001	-.0005	.0638	-.0012	.0001
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0050					
Low Limit			-.0050					

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0023	.0144	.0300	.0295	.0000	-0.0038	.0090
Stddev	.0011	.0001	.0063	.0403	.0412	.0001	.0004	.0205
%RSD	303.6	6.462	44.00	134.5	139.7	191.9	11.81	226.7
#1	-.0009	.0022	.0195	-.0154	.0687	.0000	-.0037	.0053
#2	.0010	.0023	.0165	.0438	-.0135	.0001	-.0033	.0311
#3	.0010	.0025	.0073	.0616	.0332	.0001	-.0042	-.0093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0011	F -.0035	1.909	.0032	9.029	F .0488	-0.0005	-0.0010
Stddev	.0005	.0036	.0048	.0047	.008	.0013	.0001	.0003
%RSD	47.63	101.7	524.1	145.0	.0861	2.604	24.09	25.06
#1	-.0005	-.0070	-.0020	.0003	9.038	.0502	-.0005	-.0012
#2	-.0015	-.0035	.0065	.0007	9.024	.0478	-.0003	-.0011
#3	-.0012	.0001	-.0017	.0086	9.026	.0484	-.0005	-.0007
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
High Limit		.0025				.0250		
Low Limit		-.0025				-.0250		

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Sample Name: MP31429-MB1 Acquired: 1/6/2017 9:16:51 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	F -.0060	-0.0009	F .0207
Stddev	.0043	.0008	.0003
%RSD	71.92	86.52	1.606
#1	-.0107	-.0018	.0209
#2	-.0022	-.0010	.0209
#3	-.0051	-.0001	.0203
Check ?	Chk Fail	Chk Pass	Chk Fail
High Limit	.0050		.0100
Low Limit	-.0050		-.0100

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1951.4	4366.3	3457.3	7615.1
Stddev	2.3	5.1	190.	31.5
%RSD	.11780	.11690	.54859	.41390
#1	1948.8	4361.2	34359.	7579.6
#2	1953.2	4366.2	34640.	7639.7
#3	1952.3	4371.4	34720.	7625.9

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7.1
7

Sample Name: MP31429-B1 Acquired: 1/6/2017 9:21:22 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0482	25.47	1.909	1.973	.0477	25.12	.0534	.4749	.1912
Stddev	.0004	.10	.007	.008	.0003	.10	.0003	.0016	.0011
%RSD	.7746	.3855	.3570	.4225	.5557	.3818	.4701	.3446	.5884
#1	.0486	25.48	1.901	1.980	.0477	25.02	.0536	.4767	.1918
#2	.0479	25.56	1.912	1.975	.0480	25.12	.0531	.4737	.1919
#3	.0481	25.37	1.913	1.963	.0475	25.22	.0535	.4741	.1899
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2374	26.21	23.56	23.83	.5065	.5095	24.12	.4851	.4955
Stddev	.0013	.13	.16	.19	.0009	.0012	.01	.0011	.0042
%RSD	.5578	.4791	.6956	.7770	.1702	.2310	.0263	.2350	.8479
#1	.2386	26.07	23.37	23.62	.5074	.5107	24.13	.4849	.4966
#2	.2377	26.24	23.63	23.98	.5066	.5084	24.12	.4841	.4909
#3	.2360	26.32	23.67	23.89	.5057	.5095	24.12	.4863	.4991
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4784	1.894	10.57	.5940	.4993	.5020	2.018	.4603	.5789
Stddev	.0007	.002	.05	.0036	.0024	.0017	.006	.0009	.0016
%RSD	.1407	.1156	.4911	.5990	.4832	.3359	.3115	.1869	.2680
#1	.4784	1.893	10.62	.5931	.4988	.5002	2.017	.4612	.5786
#2	.4790	1.893	10.52	.5979	.5019	.5035	2.012	.4595	.5776
#3	.4777	1.897	10.57	.5909	.4972	.5023	2.025	.4600	.5806
Check ?	Chk Pass	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: MP31429-B1 Acquired: 1/6/2017 9:21:22 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1935.4	4383.7	34656.	7455.0
Stddev	6.0	15.9	111.	15.3
%RSD	.30787	.36324	.32125	.20483
#1	1928.5	4367.4	34529.	7470.7
#2	1938.3	4399.2	34706.	7454.1
#3	1939.3	4384.6	34734.	7440.2

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Sample Name: FA38934-2R Acquired: 1/6/2017 9:32:56 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.013	241.2	0.265	8.649	0.041	13.55	-0.033	0.289	3.105
Stddev	.0004	1.0	.0023	.0031	.0003	.06	.0001	.0005	.0034
%RSD	33.51	4336	8.808	.3621	6.586	4.080	4.472	1.727	1.089
#1	-0.017	242.4	0.241	.8682	.0044	13.60	-0.033	.0284	.3142
#2	-0.014	240.5	0.268	.8620	.0039	13.57	-0.031	.0291	.3099
#3	-0.009	240.6	0.287	.8643	.0041	13.49	-0.034	.0293	.3075
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.007	220.3	15.49	14.28	9.078	0.086	2.497	1.625	0.981
Stddev	.0013	9	.09	.03	.0028	.0002	.037	.0003	.0036
%RSD	2.658	4.266	5.740	.2295	.3030	2.589	1.481	.1552	3.638
#1	.0492	221.3	15.45	14.30	9.104	.0084	2.510	.1627	1.006
#2	.0513	220.0	15.42	14.29	9.079	.0086	2.455	.1622	.0997
#3	.0517	219.5	15.59	14.24	9.049	.0088	2.525	.1627	.0940
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.013	-0.136	14.72	0.639	1.959	7.013	-0.074	5.596	1.405
Stddev	.0012	.0059	.01	.0008	.0006	.016	.0085	.0027	.0009
%RSD	91.20	43.57	0.794	1.261	1.319	2.243	114.5	.4753	6.712
#1	.0026	-0.167	14.71	.0630	.1964	7.030	-0.148	.5626	1.402
#2	.0004	-0.174	14.73	.0645	.1960	7.007	-0.092	.5587	1.415
#3	.0009	-0.068	14.73	.0641	.1952	7.001	.0018	.5575	1.396
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1915.9	4396.1	34633.	7546.8					
Stddev	5.5	11.8	56.	59.1					
%RSD	28692	26749	16082	78317					
#1	1909.6	4384.5	34691.	7493.2					
#2	1919.5	4395.7	34629.	7537.0					
#3	1918.6	4408.0	34580.	7610.2					

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Sample Name: MP31429-D1 Acquired: 1/6/2017 9:37:18 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.013	176.8	0.209	7.054	0.029	10.36	-0.033	0.223	2.329
Stddev	.0019	.2	.0009	.0039	.0001	.04	.0002	.0004	.0023
%RSD	141.5	.0995	4.238	.5471	2.039	.3987	5.794	1.758	.9796
#1	-0.002	176.7	.0218	.7097	.0029	10.32	-0.033	.0222	2.326
#2	-0.003	177.0	.0201	.7043	.0029	10.40	-0.036	.0219	2.352
#3	-0.0035	176.7	.0208	.7022	.0030	10.36	-0.032	.0227	2.307
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.034	173.9	12.27	11.31	6.927	0.043	2.009	1.177	0.918
Stddev	.0023	.2	.05	.04	.0016	.0009	.030	.0013	.0047
%RSD	6.010	.1349	4.367	.3486	.2290	21.66	1.479	1.093	5.114
#1	.0398	174.0	12.21	11.26	.6946	.0052	1.992	1.191	0.953
#2	.0397	174.2	12.32	11.32	.6919	.0034	2.043	1.173	0.865
#3	.0358	173.7	12.27	11.34	.6918	.0044	1.992	1.166	0.937
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.012	-0.112	13.66	0.542	1.520	4.724	-0.092	4.308	1.250
Stddev	.0026	.0044	.04	.0025	.0003	.012	.0081	.0015	.0007
%RSD	216.0	38.97	2.823	4.553	2.247	25.73	88.33	3.405	5.599
#1	.0023	-0.094	13.70	.0528	.1518	4.737	-0.142	4.325	1.244
#2	.0030	-0.161	13.66	.0570	.1517	4.722	.0002	4.302	1.257
#3	-0.0018	-0.080	13.62	.0527	.1523	4.713	-0.136	4.297	1.250
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1931.9	4430.9	34823.	7495.0					
Stddev	3.1	5.7	149.	45.6					
%RSD	15850	12763	42802	60839					
#1	1930.2	4425.5	34826.	7543.8					
#2	1935.5	4436.8	34672.	7487.9					
#3	1930.1	4430.3	34970.	7453.4					

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7.1
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Sample Name: MP31429-SD1 Acquired: 1/6/2017 9:41:40 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	221.4	0.324	7.824	0.015	12.31	-0.078	0.210	2.823
Stddev	.0017	.1	.0162	.0074	.0007	.06	.0008	.0014	.0041
%RSD	737.0	0.237	50.05	.9519	42.27	4.785	10.18	6.727	1.459
#1	.0003	221.3	.0145	.7851	.0008	12.29	-0.073	.0194	2.833
#2	-0.0021	221.4	.0366	.7739	.0019	12.26	-0.087	.0214	2.778
#3	.0011	221.4	.0461	.7881	.0019	12.38	-0.074	.0222	2.859
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.029	204.2	13.68	13.66	8.188	-0.215	1.967	1.371	0.908
Stddev	.0029	1	.39	.36	.0011	.0059	.175	.0005	.0266
%RSD	9.984	0.662	2.845	2.649	.1392	27.26	8.916	.3476	29.27
#1	.0286	204.3	13.70	14.06	.8199	-0.283	2.089	.1367	1.117
#2	.0319	204.0	14.06	13.38	.8177	-0.182	2.046	.1376	1.069
#3	.0262	204.1	13.28	13.53	.8189	-0.181	1.766	.1369	0.998
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.050	-0.249	13.83	0.505	1.741	6.240	-0.410	5.040	1.433
Stddev	.0273	.0170	.02	.0050	.0008	.017	.0220	.0074	.0008
%RSD	544.5	68.01	1.140	9.824	.4518	2.744	53.50	1.478	.5734
#1	-0.202	-0.300	13.81	.0542	.1733	6.222	-0.640	.4978	1.432
#2	-0.213	-0.388	13.83	.0448	.1749	6.256	-0.388	.5123	1.425
#3	.0265	-0.060	13.84	.0523	.1741	6.242	-0.203	.5020	1.442
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1982.2	4510.1	35479.	7640.3					
Stddev	3.9	6.2	150.	52.5					
%RSD	19846	13697	42398	68756					
#1	1982.2	4511.6	35445.	7696.9					
#2	1986.1	4515.3	35643.	7630.8					
#3	1978.2	4503.3	35348.	7593.1					

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Sample Name: MP31429-PS1 Acquired: 1/6/2017 9:46:06 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0465	214.8	1.294	1.030	0.570	17.47	0.090	0.781	3.254
Stddev	.0010	.1	.0024	.002	.0004	.10	.0003	.0003	.0018
%RSD	2.130	0.672	1.829	1.695	.7739	5.503	6.342	3.781	5.673
#1	.0454	214.7	1.285	1.031	.0569	17.45	.0491	.0784	3.237
#2	.0473	214.9	1.321	1.032	.0566	17.38	.0492	.0782	3.251
#3	.0468	214.7	1.276	1.028	.0574	17.57	.0486	.0778	3.274
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.486	196.7	23.57	17.90	8.499	1.118	12.37		

Sample Name: MP31429-S1 Acquired: 1/6/2017 9:50:28 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0468	215.1	1.728	2.573	.0501	34.56	.0493	.4790	.4118
Stddev	.0011	.4	.005	.005	.0001	.18	.0005	.0003	.0009
%RSD	2.290	.1681	.2983	.1968	.2977	.5219	1.101	.0689	.2279
#1	.0457	214.8	1.734	2.567	.0502	34.42	.0492	.4794	.4128
#2	.0469	214.9	1.723	2.576	.0502	34.50	.0488	.4789	.4116
#3	.0478	215.5	1.727	2.574	.0499	34.76	.0499	.4788	.4110
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.2719	187.4	33.51	33.94	1.117	4.260	25.21	.5908	.5715
Stddev	.0020	.6	.19	.21	.004	.0023	.09	.0016	.0003
%RSD	.7292	.3200	.5640	.6191	.3090	.5352	.3456	.2707	.0566
#1	.2723	187.2	33.46	33.87	1.121	4.237	25.17	.5906	.5713
#2	.2697	187.0	33.35	33.78	1.117	4.282	25.31	.5925	.5719
#3	.2736	188.1	33.72	34.18	1.115	4.262	25.15	.5893	.5713
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	1.1362	1.724	13.53	.5403	.6313	4.706	1.952	.8506	.6762
Stddev	.0036	.004	.03	.0049	.0013	.012	.002	.0033	.0004
%RSD	2.660	.2467	.2104	.9109	.1992	.2562	.1085	.3864	.0606
#1	1.1343	1.726	13.52	.5378	.6319	4.716	1.954	.8480	.6766
#2	1.1404	1.719	13.57	.5372	.6320	4.708	1.950	.8543	.6759
#3	1.1339	1.727	13.52	.5460	.6298	4.693	1.951	.8495	.6760
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1909.5	4427.7	34529.	7460.8					
Stddev	6.4	10.1	71.	46.6					
%RSD	.33384	.22872	.20487	.62423					
#1	1902.8	4431.3	34473.	7474.2					
#2	1910.2	4416.3	34608.	7499.2					
#3	1915.5	4435.6	34506.	7409.0					

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Sample Name: MP31429-S2 Acquired: 1/6/2017 9:54:46 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0435	216.1	1.624	2.445	.0476	33.20	.0462	.4504	.4026
Stddev	.0006	.2	.006	.002	.0003	.05	.0006	.0010	.0013
%RSD	1.411	.0836	.3467	.0838	.6373	.1428	1.220	.2225	.3342
#1	.0429	216.1	1.628	2.447	.0479	33.15	.0469	.4507	.4032
#2	.0442	216.3	1.627	2.443	.0474	33.24	.0461	.4493	.4010
#3	.0435	216.0	1.618	2.445	.0474	33.21	.0458	.4512	.4035
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.2545	186.9	31.88	32.90	1.080	.3983	23.56	.5613	.5469
Stddev	.0020	.2	.22	.25	.002	.0016	.01	.0004	.0012
%RSD	.7816	.1314	.6866	.7483	.2083	.4125	.0385	.0735	.2200
#1	.2549	186.7	31.67	32.98	1.081	.3990	23.57	.5613	.5470
#2	.2563	187.2	31.87	32.63	1.078	.3964	23.56	.5617	.5456
#3	.2524	186.8	32.10	33.11	1.082	.3995	23.55	.5609	.5480
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	1.1140	1.635	14.21	.5061	.5927	4.891	1.844	.8139	.6410
Stddev	.0048	.006	.04	.0031	.0002	.008	.002	.0008	.0011
%RSD	4.202	.3587	.2584	.6201	.0320	.1654	.0900	.0928	.1658
#1	1.1187	1.642	14.24	.5067	.5930	4.901	1.845	.8144	.6403
#2	1.1141	1.631	14.17	.5090	.5926	4.888	1.842	.8143	.6405
#3	1.092	1.632	14.20	.5028	.5927	4.885	1.846	.8130	.6422
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1925.9	4475.9	35005.	7498.5					
Stddev	6.5	13.9	57.	9.9					
%RSD	.33542	.30978	.16378	.13207					
#1	1922.8	4469.6	34940.	7509.9					
#2	1933.4	4491.8	35023.	7491.9					
#3	1921.7	4466.3	35050.	7493.8					

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7.1
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Sample Name: FA38934-3R Acquired: 1/6/2017 9:59:02 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0006	312.7	.0392	1.047	.0056	10.02	-.0044	.0439	.4306
Stddev	.0025	1.2	.0056	.003	.0001	.05	.0004	.0005	.0010
%RSD	415.1	.3725	14.39	.2419	1.789	.4717	8.949	1.132	.2231
#1	-.0019	312.9	.0387	1.049	.0055	10.00	-.0043	.0435	.4308
#2	-.0022	313.8	.0339	1.047	.0057	10.07	-.0048	.0438	.4315
#3	.0023	311.5	.0451	1.044	.0056	9.986	-.0040	.0445	.4296
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0530	264.5	15.30	14.09	.7337	.0089	2.996	.2545	.0953
Stddev	.0007	1.0	.21	.05	.0015	.0013	.027	.0003	.0050
%RSD	1.268	.3654	1.350	.3285	.2052	14.52	.8888	.1339	5.240
#1	.0538	264.6	15.11	14.09	.7333	.0076	3.025	.2545	.0994
#2	.0525	265.4	15.52	14.05	.7353	.0090	2.972	.2541	.0897
#3	.0527	263.5	15.28	14.14	.7324	.0102	2.993	.2548	.0968
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0023	-.0183	14.73	.0650	.1504	8.937	-.0049	.6854	.1350
Stddev	.0029	.0029	.06	.0007	.0004	.009	.0040	.0009	.0005
%RSD	129.0	15.94	.4178	1.065	.2742	.0961	81.07	.1249	.3906
#1	.0057	-.0182	14.71	.0643	.1500	8.928	-.0038	.6844	.1344
#2	.0009	-.0213	14.68	.0656	.1508	8.945	-.0016	.6857	.1354
#3	.0003	-.0154	14.80	.0652	.1502	8.938	-.0094	.6860	.1351
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1917.5	4465.2	34714.	7504.8					
Stddev	4.4	12.2	28.	12.4					
%RSD	.22864	.27301	.07963	.16574					
#1	1915.6	4467.4	34693.	7494.0					
#2	1922.6	4476.2	34746.	7502.0					
#3	1914.5	4452.1	34705.	7518.4					

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Sample Name: FA38934-5R Acquired: 1/6/2017 10:03:23 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	199.1	.0263	.8167	.0034	13.92	-.0035	.0240	.2626
Stddev	.0007	.2	.0049	.0043	.0001	.04	.0002	.0007	.0006
%RSD	393.8	.1036	18.48	.5247	4.031	.2728	4.416	2.974	.2313
#1	-.0004	199.0	.0252	.8188	.0035	13.87	-.0036	.0244	.2633
#2	.0009	199.4	.0317	.8195	.0032	13.94	-.0033	.0245	.2623
#3	.0000	199.0	.0222	.8118	.0034	13.93	-.0034	.0232	.2623
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0454	190.8	13.48	13.23	.7683	.0062	2.106	.1333	.1369
Stddev	.0011	.3	.12	.12	.0014	.0003	.013	.0007	.0042

Sample Name: CCV Acquired: 1/6/2017 10:07:46 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2532	40.54	1.973	2.045	2.036	41.90	2.008	2.013	2.030
Stddev	.0006	.08	.005	.001	.003	.12	.004	.004	.002
%RSD	.2362	.2002	.2401	.0684	.1655	.2827	.1920	.2193	.1092
#1	.2527	40.46	1.968	2.044	2.032	41.77	2.003	2.008	2.030
#2	.2538	40.62	1.976	2.046	2.039	42.00	2.010	2.015	2.028
#3	.2531	40.55	1.975	2.044	2.036	41.91	2.010	2.017	2.032

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 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.001	40.95	39.91	41.68	2.037	2.020	40.07	1.994	1.987
Stddev	.004	.13	.13	.17	.002	.006	.08	.003	.004
%RSD	.2056	.3207	.3277	.4011	.0906	.2768	.2101	.1569	.2151
#1	2.003	40.82	39.76	41.51	2.039	2.013	39.97	1.990	1.987
#2	2.004	41.08	39.99	41.85	2.035	2.021	40.11	1.995	1.991
#3	1.996	40.95	39.99	41.68	2.038	2.024	40.12	1.996	1.982

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.962	1.987	1.922	2.042	2.022	1.999	1.986	1.987	2.059
Stddev	.005	.007	.006	.004	.005	.003	.004	.003	.004
%RSD	.2744	.3604	.3386	.1729	.2393	.1314	.1877	.1328	.1776
#1	1.956	1.979	1.915	2.038	2.017	2.002	1.982	1.990	2.055
#2	1.967	1.993	1.926	2.042	2.025	1.998	1.987	1.985	2.060
#3	1.964	1.988	1.925	2.045	2.025	1.997	1.990	1.986	2.063

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 1/6/2017 10:07:46 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1842.2	4367.6	34538.	7395.1
Stddev	4.7	12.9	43.	42.6
%RSD	.25477	.29630	.12535	.57651
#1	1846.9	4382.2	34511.	7444.3
#2	1842.1	4357.4	34515.	7370.3
#3	1837.5	4363.3	34588.	7370.7

7.1
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Sample Name: CCB Acquired: 1/6/2017 10:11:57 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0136	.0000	.0000	.0000	.0065	.0001	.0001	-0.0001
Stddev	.0002	.0052	.0005	.000	.0000	.0024	.0000	.0002	.0003
%RSD	15500.	38.25	3280.	1334.	22.26	36.65	86.96	151.0	486.9
#1	-.0002	.0089	-.0003	-.0001	.0000	.0082	.0001	.0003	.0002
#2	.0000	.0192	-.0002	.0001	.0000	.0038	.0000	.0000	-.0004
#3	.0002	.0128	.0005	.0000	.0000	.0074	.0000	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	.0023	-0.0151	.0075	.0000	.0008	-0.0012	.0000	.0000
Stddev	.0001	.0022	.0314	.0060	.0000	.0004	.0023	.0001	.0005
%RSD	14.63	92.27	208.8	80.07	131.9	54.51	183.9	664.5	1244.
#1	-.0005	.0047	-.0225	.0110	.0000	.0012	.0005	.0001	.0003
#2	-.0005	.0004	.0194	.0006	.0000	.0008	-.0038	.0000	.0003
#3	-.0006	.0019	-.0421	.0110	.0001	.0004	-.0004	-.0001	-.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	-0.0001	.0005	.0003	.0000	-0.0001	.0006	.0003	-0.0002
Stddev	.0005	.0010	.0010	.0002	.0000	.0000	.0012	.0002	.0000
%RSD	501.4	750.2	189.9	61.07	1160.	37.03	187.2	65.96	13.33
#1	.0003	-.0012	.0008	.0001	.0000	-.0001	.0020	.0001	-.0002
#2	-.0007	.0007	-.0006	.0005	.0000	-.0001	-.0004	.0002	-.0002
#3	.0001	.0001	.0013	.0003	.0000	.0000	.0004	.0005	-.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 1/6/2017 10:11:57 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1994.0	4514.6	35241.	7571.5
Stddev	1.7	2.2	34.	13.1
%RSD	.08293	.04813	.09664	.17306
#1	1992.5	4512.8	35224.	7561.1
#2	1995.8	4514.0	35217.	7586.2
#3	1993.5	4517.0	35280.	7567.1

Sample Name: FA38934-6R Acquired: 1/6/2017 10:16:29 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	266.0	0.345	9.007	0.050	7.981	-0.042	0.378	3.638
Stddev	.0013	1.1	.0032	.0004	.0003	.044	.0002	.0003	.0024
%RSD	263.9	4.220	9.199	.0425	5.753	.5516	5.411	.7600	.6707
#1	-0.018	267.3	.0324	.9006	.0050	8.014	-.0043	.0377	.3634
#2	-0.005	265.6	.0382	.9011	.0053	7.996	-.0043	.0375	.3664
#3	.0008	265.1	.0330	.9004	.0047	7.931	-.0039	.0381	.3615
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.384	231.6	13.22	12.00	5.909	0.095	2.566	2.200	0.732
Stddev	.0009	.6	.05	.05	.0024	.0007	.032	.0018	.0059
%RSD	2.325	.2773	.3428	.3778	.3990	7.573	1.241	.8229	8.119
#1	.0374	232.3	13.24	11.98	.5925	.0089	2.601	.2179	.0663
#2	.0391	231.2	13.24	11.98	.5882	.0092	2.538	.2208	.0762
#3	.0386	231.2	13.16	12.06	.5919	.0103	2.559	.2213	.0770
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.021	-0.129	14.00	0.545	1.266	7.119	-0.094	5.828	1.154
Stddev	.0027	.0043	.04	.0013	.0008	.005	.0096	.0036	.0009
%RSD	127.7	33.16	.2970	2.371	.6631	.0642	101.9	.6207	.7757
#1	-0.009	-0.171	13.97	.0547	.1272	7.122	-.0060	.5868	.1152
#2	.0029	-0.131	14.04	.0531	.1269	7.121	-.0202	.5798	.1146
#3	.0043	-0.086	13.98	.0556	.1256	7.114	-.0019	.5817	.1164
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1924.8	4465.3	3483.1	7477.6					
Stddev	6.6	18.5	120.	42.9					
%RSD	.34109	.41402	.34511	.57365					
#1	1918.4	4457.9	3472.2	7490.8					
#2	1924.4	4451.7	3481.2	7429.6					
#3	1931.5	4486.4	3496.0	7512.3					

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Sample Name: FA38934-8R Acquired: 1/6/2017 10:20:51 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.008	220.2	0.259	8.408	0.038	16.68	-0.039	0.250	2.783
Stddev	.0012	.1	.0051	.0023	.0001	.08	.0002	.0004	.0005
%RSD	148.2	.0588	19.54	.2703	2.262	.5051	3.949	1.582	.1732
#1	-0.002	220.3	.0313	.8404	.0037	16.77	-.0039	.0250	.2778
#2	.0022	220.3	.0212	.8388	.0038	16.62	-.0041	.0247	.2788
#3	.0004	220.1	.0253	.8432	.0038	16.64	-.0038	.0254	.2783
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.358	198.0	14.83	13.72	8.411	0.067	2.594	1.450	0.725
Stddev	.0019	.1	.07	.11	.0016	.0002	.024	.0013	.0043
%RSD	5.332	.0555	.4582	.8156	.1906	2.562	.9118	.8946	5.878
#1	.0347	198.1	14.89	13.60	.8400	.0069	2.613	1.464	.0690
#2	.0348	198.0	14.84	13.82	.8404	.0065	2.568	1.438	.0772
#3	.0380	197.9	14.76	13.75	.8430	.0066	2.603	1.448	.0712
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.045	-0.185	6.254	0.587	2.273	6.388	-0.082	5.035	1.203
Stddev	.0037	.0082	.010	.0012	.0011	.011	.0075	.0014	.0002
%RSD	82.26	44.61	.1538	2.031	.4717	.1719	91.30	.2731	.1652
#1	.0088	-0.009	6.250	.0578	.2264	6.376	-.0155	.5020	.1201
#2	.0024	-0.192	6.247	.0584	.2285	6.398	-.0005	.5044	.1204
#3	.0023	-0.263	6.265	.0601	.2270	6.389	-.0088	.5043	.1205
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1927.9	4493.9	3472.9	7461.9					
Stddev	2.9	2.0	130.	22.8					
%RSD	.14828	.04463	.37299	.30613					
#1	1927.1	4493.2	3460.6	7445.9					
#2	1931.0	4496.1	3486.5	7451.8					
#3	1925.5	4492.3	3471.6	7488.1					

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Sample Name: FA38934-9R Acquired: 1/6/2017 10:25:12 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.007	271.0	0.347	5.969	0.035	9.070	-0.046	0.319	3.378
Stddev	.0002	1.2	.0042	.0047	.0002	.051	.0002	.0004	.0029
%RSD	23.29	4.516	12.04	.7907	6.514	.5578	5.230	1.345	.8520
#1	-0.007	272.4	.0377	.6017	.0037	9.122	-.0044	.0315	.3360
#2	-0.005	270.1	.0364	.5923	.0033	9.020	-.0047	.0319	.3411
#3	-0.008	270.5	.0299	.5968	.0036	9.067	-.0049	.0324	.3363
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.348	232.1	13.05	12.55	4.788	0.064	2.759	2.161	0.773
Stddev	.0003	.9	.11	.16	.0010	.0008	.048	.0013	.0007
%RSD	.7780	.3669	.8587	1.266	.2018	12.07	1.750	.6023	.9040
#1	.0348	233.1	12.98	12.50	.4786	.0065	2.790	.2146	.0770
#2	.0345	231.5	13.18	12.72	.4779	.0056	2.703	.2169	.0781
#3	.0351	231.8	13.00	12.42	.4798	.0071	2.783	.2169	.0768
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.038	-0.243	5.567	0.532	1.713	6.258	-0.077	5.592	1.155
Stddev	.0042	.0069	.014	.0015	.0007	.003	.0048	.0006	.0004
%RSD	110.2	28.37	.2462	2.870	.3884	.0436	62.97	.1042	.3794
#1	.0026	-0.164	5.552	.0549	.1720	6.261	-.0022	.5598	.1150
#2	.0084	-0.286	5.571	.0530	.1710	6.257	-.0094	.5592	.1155
#3	.0004	-0.280	5.578	.0518	.1708	6.256	-.0114	.5586	.1159
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1937.0	4530.1	3478.3	7362.3					
Stddev	6.4	11.6	45.	53.6					
%RSD	.33131	.25662	.12940	.72748					
#1	1943.0	4543.5	3478.4	7304.6					
#2	1930.3	4524.5	3473.7	7371.7					
#3	1937.7	4522.3	3482.7	7410.5					

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Sample Name: FA38934-11R Acquired: 1/6/2017 10:29:34 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.019	226.6	0.274	1.064	0.043	13.47	-0.037	0.344	3.027
Stddev	.0015	1.0	.0014	.004	.0004	.07	.0003	.0000	.0010
%RSD	82.49	.4565	5.152	.3337	8.405	.5347	7.515	.0287	.3150
#1	-0.001	225.7	.0264	1.060	.0045	13.41	-.0040	.0344	.3025
#2	-0.025	227.7	.0290	1.067	.0046	13.55	-.0034	.0344	.3037
#3	-0.030	226.3	.0269	1.065	.0039	13.45	-.0038	.0344	.3018
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.421	203.2	16.42	14.62	1.420	0.041	2.412	1.539	1.284
Stddev	.0020	1.1	.10	.04	.006	.0006	.018	.0012	.0018
%RSD	4.682	.5404	.5837	.2906	.4535	15.32	.7641	.7	

Sample Name: FA38934-12R Acquired: 1/6/2017 10:33:56 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.010	211.1	.0295	.9593	.0036	9.617	-0.038	.0270	.2933
Stddev	.0008	.6	.0012	.0006	.0004	.072	.0000	.0004	.0018
%RSD	84.06	.2972	4.025	.0589	10.86	.7532	.7290	1.553	.6234
#1	-.0001	210.6	.0290	.9586	.0034	9.550	-.0038	.0274	.2951
#2	-.0013	211.8	.0309	.9596	.0034	9.694	-.0038	.0266	.2915
#3	-.0017	211.1	.0287	.9596	.0041	9.607	-.0037	.0270	.2933
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.0289	182.4	12.69	11.27	.5803	.0035	2.234	.1685	.0568
Stddev	.0019	.8	.15	.15	.0015	.0011	.025	.0003	.0033
%RSD	6.471	.4190	1.184	1.304	.2611	30.28	1.121	.1508	5.785
#1	.0270	181.6	12.86	11.14	.5819	.0035	2.224	.1684	.0535
#2	.0307	183.1	12.58	11.43	.5802	.0024	2.215	.1683	.0601
#3	.0289	182.6	12.64	11.26	.5789	.0046	2.262	.1688	.0569
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0006	-0.0156	5.253	.0487	.1551	5.866	-0.093	.4512	.1095
Stddev	.0032	.0100	.025	.0027	.0003	.023	.0079	.0002	.0006
%RSD	546.3	64.37	4.742	5.580	2.177	38.49	85.04	.0440	.5110
#1	.0007	-.0050	5.253	.0507	.1551	5.891	-.0066	.4511	.1091
#2	.0038	-.0168	5.228	.0498	.1547	5.860	-.0182	.4510	.1102
#3	-.0027	-.0250	5.278	.0456	.1554	5.848	-.0031	.4514	.1094
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1917.7	4456.5	34702.	7391.8					
Stddev	4.6	22.9	142.	45.0					
%RSD	.24131	.51314	.40999	.60920					
#1	1916.7	4452.2	34551.	7431.6					
#2	1922.8	4481.3	34722.	7342.9					
#3	1913.7	4436.1	34834.	7400.8					

Sample Name: FA38934-18R Acquired: 1/6/2017 10:38:18 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.009	208.2	.0259	2.623	.0043	55.12	-0.026	.0444	.2983
Stddev	.0011	.6	.0037	.005	.0001	.30	.0002	.0004	.0011
%RSD	132.3	.2701	14.23	.1959	2.475	.5472	6.447	.8489	.3630
#1	-.0008	208.8	.0299	2.621	.0043	55.45	-.0026	.0448	.2982
#2	-.0002	207.9	.0226	2.619	.0042	54.85	-.0024	.0442	.2972
#3	-.0020	207.8	.0253	2.629	.0044	55.07	-.0027	.0441	.2994
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.6556	201.8	17.60	18.98	5.645	.0046	2.198	.1869	3.195
Stddev	.0015	.7	.03	.22	.020	.0006	.021	.0003	.015
%RSD	.2273	.3702	.1615	1.175	.3545	12.59	.9752	.1341	.4665
#1	.6539	202.7	17.60	19.13	5.668	.0047	2.206	.1867	3.186
#2	.6566	201.4	17.57	19.08	5.638	.0051	2.213	.1868	3.186
#3	.6564	201.4	17.63	18.72	5.630	.0040	2.173	.1871	3.212
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0102	-0.0218	6.161	.0606	.7884	5.646	-0.0044	.4769	.3634
Stddev	.0063	.0044	.002	.0018	.0020	.013	.0064	.0002	.0011
%RSD	61.97	20.28	0.276	2.983	.2558	2.272	144.4	0.0360	.2919
#1	.0074	-.0188	6.162	.0618	.7903	5.658	-.0026	.4768	.3635
#2	.0174	-.0197	6.159	.0613	.7885	5.647	-.0115	.4768	.3623
#3	.0057	-.0268	6.163	.0585	.7863	5.633	.0009	.4771	.3644
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1922.7	4481.8	34785.	7453.3					
Stddev	4.0	8.8	146.	51.9					
%RSD	.20563	.19724	.42055	.69595					
#1	1918.2	4474.7	34939.	7394.2					
#2	1925.4	4478.9	34766.	7474.2					
#3	1924.5	4491.7	34648.	7491.4					

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Sample Name: FA32306-33R Acquired: 1/6/2017 10:42:39 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.009	205.5	.0316	.5308	.0032	7.519	-0.039	.0224	.2530
Stddev	.0015	1.0	.0061	.0026	.0003	.015	.0001	.0002	.0018
%RSD	163.8	.4825	19.33	.4817	8.001	.1927	1.852	.6796	.7010
#1	.0000	206.4	.0249	.5282	.0034	7.535	-.0040	.0226	.2510
#2	-.0001	204.4	.0369	.5309	.0032	7.506	-.0039	.0223	.2544
#3	-.0026	205.5	.0328	.5333	.0029	7.515	-.0039	.0223	.2537
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.0573	172.9	11.60	9.876	.4561	.0053	1.943	.1373	.3265
Stddev	.0010	.9	.13	.093	.0002	.0003	.011	.0003	.0057
%RSD	1.823	.5237	1.125	.9423	.0384	5.349	.5635	.2304	1.752
#1	.0582	173.9	11.60	9.983	.4563	.0050	1.950	.1375	.3267
#2	.0576	172.1	11.73	9.813	.4561	.0053	1.948	.1369	.3206
#3	.0562	172.9	11.47	9.831	.4560	.0056	1.930	.1373	.3321
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0054	-0.0167	6.149	.0625	.1186	5.438	-0.0164	.4354	.1077
Stddev	.0012	.0028	.008	.0011	.0009	.011	.0067	.0026	.0001
%RSD	22.04	16.73	.1309	1.823	.7460	.2015	40.69	.5934	.1223
#1	.0068	-.0152	6.141	.0632	.1196	5.451	-.0184	.4356	.1075
#2	.0046	-.0150	6.157	.0612	.1182	5.434	-.0218	.4379	.1078
#3	.0048	-.0200	6.150	.0632	.1180	5.430	-.0089	.4327	.1078
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1939.4	4514.9	34812.	7367.1					
Stddev	2.3	5.8	85.	27.0					
%RSD	.11620	.12785	.24496	.36612					
#1	1937.1	4508.4	34910.	7339.3					
#2	1941.6	4519.2	34757.	7393.2					
#3	1939.5	4517.1	34769.	7368.8					

Sample Name: MP31429-D2 Acquired: 1/6/2017 10:47:03 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	206.3	.0232	.7677	.0034	11.84	-0.039	.0244	.2619
Stddev	.0015	.5	.0036	.0042	.0003	.06	.0001	.0011	.0012
%RSD	246.5	.2191	15.55	.5468	9.129	.5167	1.923	4.530	.4737
#1	-.0015	206.8	.0252	.7719	.0033	11.78	-.0039	.0236	.2621
#2	-.0011	206.4	.0190	.7677	.0038	11.90	-.0039	.0239	.2630
#3	-.0014	205.9	.0253	.7635	.0032	11.83	-.0040	.0256	.2606
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.0384	189.9	13.37	12.87	.7451	.0049	2.148	.1327	.0900
Stddev	.0007	.3	.10	.08	.0008	.000			

Sample Name: FA40004-4 Acquired: 1/6/2017 10:56:07 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 4.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	1.546	.0108	.0407	-0.0004	1134.	-0.0008	.0009	.0071
Stddev	.0024	.029	.0012	.0005	.0001	6.	.0001	.0005	.0014
%RSD	1452.	1.901	10.84	1.286	28.52	.5130	17.95	49.47	20.35
#1	-.0018	1.525	.0095	.0409	-.0006	1139.	-.0007	.0011	.0085
#2	-.0006	1.579	.0114	.0401	-.0004	1128.	-.0008	.0004	.0073
#3	-.0028	1.533	.0116	.0410	-.0003	1136.	-.0010	.0013	.0056
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0061	.9562	1.852	7.450	.4314	-0.0031	28.02	.0011	-0.0017
Stddev	.0007	.0084	.029	.010	.0009	.0003	.12	.0002	.0027
%RSD	11.90	.8805	1.568	.1351	.2099	8.824	.4334	18.89	160.1
#1	-.0053	.9581	1.883	7.441	.4323	-.0034	28.13	.0013	-.0047
#2	-.0062	.9470	1.849	7.447	.4312	-.0028	28.04	.0010	-.0003
#3	-.0067	.9635	1.825	7.461	.4305	-.0032	27.89	.0009	.0001
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0002	.0102	3.316	.0002	17.04	.0357	-0.0035	.0014	.0154
Stddev	.0019	.0068	.056	.0013	.03	.0014	.0036	.0005	.0003
%RSD	901.8	66.71	1.684	839.3	.1961	3.826	103.5	35.23	2.159
#1	.0023	.0050	3.380	.0004	17.02	.0360	-.0003	.0013	.0155
#2	-.0013	.0077	3.277	.0013	17.01	.0368	-.0027	.0020	.0150
#3	-.0004	.0178	3.292	-.0013	17.07	.0342	-.0074	.0011	.0156
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1838.7	4232.4	3392.3	7220.5					
Stddev	.6	7.0	90.	39.3					
%RSD	.03455	.16462	.26421	.54467					
#1	1838.0	4238.8	3383.0	7223.8					
#2	1838.8	4233.3	3393.0	7258.0					
#3	1839.3	4225.0	3400.9	7179.6					

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Sample Name: CCV Acquired: 1/6/2017 11:00:51 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2562	41.29	1.955	2.098	2.050	42.90	1.999	2.022	2.036
Stddev	.0002	.14	.002	.002	.005	.18	.001	.001	.003
%RSD	.0903	.3449	.0827	.1070	.2367	.4199	.0626	.0665	.1589
#1	.2564	41.43	1.956	2.097	2.054	42.94	2.000	2.024	2.037
#2	.2562	41.28	1.953	2.101	2.051	43.05	1.997	2.021	2.039
#3	.2559	41.15	1.956	2.098	2.045	42.70	1.999	2.022	2.033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.022	41.39	40.25	42.32	2.031	2.031	40.31	1.976	1.982
Stddev	.010	.12	.13	.21	.006	.000	.08	.001	.007
%RSD	.5112	.2865	.3222	.4848	.2808	.0147	.2055	.0501	.3334
#1	2.028	41.45	40.39	42.44	2.035	2.032	40.41	1.977	1.978
#2	2.028	41.46	40.15	42.44	2.025	2.031	40.28	1.976	1.979
#3	2.010	41.25	40.20	42.08	2.034	2.032	40.25	1.976	1.990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.956	1.994	1.919	2.064	2.028	1.989	1.980	1.975	2.088
Stddev	.002	.007	.001	.001	.004	.005	.006	.004	.002
%RSD	.0816	.3403	.0593	.0423	.2184	.2637	.2936	.1960	.0971
#1	1.958	1.997	1.920	2.064	2.033	1.994	1.976	1.980	2.086
#2	1.956	1.998	1.920	2.065	2.026	1.983	1.978	1.972	2.088
#3	1.955	1.986	1.918	2.063	2.024	1.989	1.987	1.975	2.090
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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7.1
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Sample Name: CCV Acquired: 1/6/2017 11:00:51 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1825.4	4349.4	3425.9	7288.2
Stddev	3.7	2.0	102.	40.2
%RSD	.20201	.04602	.29881	.55089
#1	1829.3	4348.4	3420.8	7271.8
#2	1824.8	4348.1	34192.	7259.0
#3	1822.0	4351.7	34377.	7334.0

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Sample Name: CCB Acquired: 1/6/2017 11:05:03 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0062	.0007	.0001	.0000	.0087	.0001	.0002	.0002
Stddev	.0001	.0050	.0006	.0002	.0000	.0017	.0001	.0001	.0001
%RSD	119.7	80.81	90.69	270.9	175.5	19.36	80.91	37.82	44.03
#1	.0000	.0092	.0000	.0002	.0000	.0072	.0002	.0002	.0001
#2	.0000	.0089	.0010	.0001	.0000	.0084	.0000	.0002	.0003
#3	.0003	.0004	.0011	-.0001	.0001	.0105	.0001	.0001	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0007	.0026	.0130	.0040	.0002	.0008	.0122	.0000	.0003
Stddev	.0001	.0028	.0035	.0112	.0000	.0005	.0012	.000	.0004
%RSD	19.13	105.5	26.52	284.1	14.16	54.05	10.05	1780.	148.8
#1	-.0006	.0053	.0108	-.0069	.0002	.0014	.0131	.0003	.0007
#2	-.0008	.0028	.0170	.0156	.0002	.0006	.0108	-.0001	-.0002
#3	-.0008	-.0002	.0112	.0032	.0002	.0006	.0126	-.0002	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0001	.0015	.0002	.0001	.0000	-.0013	.0002	.0000
Stddev	.0002	.0023	.0004	.0004	.0000	.0001	.0013	.0001	.000
%RSD	47.25	3095.	27.82	191.5	32.13	602.9	103.0	40.69	387.6
#1	.0006	.0018	.0012	.0001	.0001	.0001	-.0007	.0002	.0001
#2	.0002	.0009	.0020	-.0001	.0002	-.0001	-.0028	.0003	.0000
#3	.0006	-.0025	.0014	.0006	.0001	.0000	-.0004	.0002	-.0001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 1/6/2017 11:05:03 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1975.5	4484.0	35024.	7467.3
Stddev	3.2	10.9	124.	41.4
%RSD	.15989	.24196	.35395	.55432
#1	1977.7	4484.0	34884.	7512.8
#2	1977.0	4494.9	35066.	7457.3
#3	1971.9	4473.2	35121.	7431.9

Sample Name: FA39868-1 Acquired: 1/6/2017 11:09:34 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.007	24.49	.0290	.1119	.0011	2218.	-0.003	.0061	.0801
Stddev	.0027	.19	.0074	.0008	.0003	22.	.0002	.0004	.0010
%RSD	395.5	.7645	25.51	.6878	24.79	.9952	80.95	6.867	1.254
#1	.0022	24.70	.0205	.1116	.0008	2235.	-0.006	.0066	.0811
#2	-0.0031	24.34	.0329	.1113	.0013	2193.	-0.001	.0057	.0791
#3	-0.0011	24.43	.0336	.1128	.0012	2225.	-0.002	.0060	.0802
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0057	34.43	3.871	26.36	.5349	.0000	27.75	.0125	.0168
Stddev	.0008	.11	.024	.17	.0007	.001	.07	.0009	.0043
%RSD	14.10	.3102	.6107	.6555	.1329	940.1	.2375	7.207	25.43
#1	.0051	34.55	3.861	26.56	.5356	.0005	27.73	.0115	.0119
#2	.0066	34.34	3.898	26.23	.5342	-0.002	27.82	.0133	.0190
#3	.0054	34.40	3.854	26.30	.5349	-0.004	27.69	.0128	.0196
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0010	.0083	17.36	.0220	13.27	.5224	.0066	.0602	.0751
Stddev	.0039	.0056	.02	.0015	.09	.0010	.0065	.0009	.0003
%RSD	403.6	67.45	.0893	6.650	.6677	2.005	99.65	1.483	.4039
#1	.0048	.0023	17.35	.0228	13.37	.5235	.0002	.0610	.0747
#2	.0009	.0091	17.38	.0229	13.24	.5220	.0062	.0592	.0752
#3	-0.0029	.0134	17.36	.0203	13.20	.5215	.0133	.0604	.0753
Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710					
Avg	1774.5	4294.2	34511.	7364.9					
Stddev	4.6	8.4	107.	39.5					
%RSD	.25866	.19640	.30976	.53624					
#1	1772.9	4293.1	34448.	7330.9					
#2	1779.7	4303.1	34634.	7408.2					
#3	1771.0	4286.3	34451.	7355.7					

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Sample Name: MP31439-MB1 Acquired: 1/6/2017 11:14:19 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	.0102	-0.0008	.0070	-0.0001	.0573	-0.0003	-0.0005	.0007
Stddev	.0003	.0103	.0004	.0002	.0000	.0037	.0001	.0000	.0003
%RSD	116.5	100.5	54.68	2.471	29.13	6.393	21.81	6.447	47.40
#1	.0001	-0.0007	-0.0003	.0071	-0.0001	.0606	-0.0003	-0.0005	.0005
#2	-0.0003	.0198	-0.0010	.0070	-0.0002	.0580	-0.0002	-0.0004	.0005
#3	-0.0005	.0116	-0.0012	.0068	-0.0001	.0533	-0.0004	-0.0005	.0010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0028	.0220	.0382	.0046	.0002	-0.0010	.0336	-0.0006	-0.0023
Stddev	.0001	.0012	.0021	.0220	.0000	.0002	.0079	.0002	.0007
%RSD	2.869	5.475	5.592	474.6	18.56	15.31	23.48	43.75	29.88
#1	.0028	.0229	.0357	.0292	.0002	-0.0011	.0325	-0.0008	-0.0024
#2	.0027	.0225	.0390	-0.0023	.0003	-0.0008	.0420	-0.0003	-0.0015
#3	.0028	.0206	.0397	-0.0131	.0002	-0.0010	.0263	-0.0007	-0.0028

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	-0.0006	13.69	.0235	.0001	.0034	-0.0020	-0.0003	.0025
Stddev	.0003	.0031	.03	.0005	.0000	.0002	.0013	.0002	.0001
%RSD	58.30	511.6	.2476	1.985	22.16	4.689	67.83	89.17	4.632
#1	-0.0002	.0027	13.72	.0237	.0001	.0035	-0.0004	.0000	.0026
#2	-0.0005	-0.0036	13.66	.0238	.0002	.0035	-0.0026	-0.0002	.0026
#3	-0.0009	-0.0009	13.68	.0230	.0002	.0032	-0.0029	-0.0005	.0024

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP31439-MB1 Acquired: 1/6/2017 11:14:19 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1933.3	4430.7	34311.	7310.9
Stddev	.7	6.0	179.	35.5
%RSD	.03593	.13509	.52092	.48504
#1	1932.6	4423.8	34109.	7270.2
#2	1934.0	4434.7	34375.	7335.1
#3	1933.4	4433.7	34449.	7327.4

Sample Name: MP31439-B1 Acquired: 1/6/2017 11:18:50 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0492	29.36	2.019	2.260	.0551	28.43	.0514	.5240	.2148
Stddev	.0010	.09	.002	.007	.0002	.15	.0000	.0004	.0008
%RSD	1.983	.2949	.1013	.2936	.3900	.5137	.0635	.0853	.3632
#1	.0496	29.45	2.020	2.266	.0553	28.58	.0515	.5243	.2157
#2	.0481	29.28	2.017	2.253	.0550	28.29	.0514	.5241	.2148
#3	.0499	29.36	2.020	2.259	.0549	28.41	.0514	.5234	.2141

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .3079	28.54	26.27	27.34	.5347	.5316	26.25	.5193	.5030
Stddev	.0010	.07	.04	.11	.0011	.0007	.03	.0004	.0011
%RSD	.3254	.2554	.1331	.3886	.2089	.1353	.0976	.0856	.2267
#1	.3067	28.63	26.23	27.46	.5360	.5309	26.24	.5189	.5042
#2	.3084	28.51	26.28	27.24	.5340	.5323	26.24	.5198	.5019
#3	.3085	28.49	26.30	27.34	.5341	.5315	26.28	.5194	.5030

Check ? Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range 2500 20.00%

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5110	2.012	13.59	.5603	.5227	.5213	1.998	.5057	.5659
Stddev	.0001	.002	.00	.0008	.0007	.0008	.003	.0010	.0004
%RSD	.0191	.0757	.0164	.1413	.1325	.1475	.1595	.2036	.0754
#1	.5111	2.012	13.59	.5602	.5233	.5208	1.997	.5063	.5664
#2	.5111	2.014	13.59	.5596	.5230	.5209	1.995	.5063	.5658
#3	.5109	2.011	13.59	.5611	.5220	.5222	2.001	.5045	.5656

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP31439-B1 Acquired: 1/6/2017 11:18:50 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1809.4	4249.6	3340.4	7040.5
Stddev	6.0	.8	84.	20.2
%RSD	.33264	.01825	.25156	.28685
#1	1805.3	4248.8	3330.7	7018.4
#2	1816.3	4250.3	3344.8	7058.0
#3	1806.5	4249.6	3345.7	7045.2

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Sample Name: MP31439-B2 Acquired: 1/6/2017 11:23:01 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0480	28.97	2.000	2.213	.0539	28.13	.0509	.5170	.2108
Stddev	.0003	.01	.005	.004	.0001	.13	.0001	.0003	.0007
%RSD	.6828	.0354	.2584	.1688	.1047	.4506	.1085	.0666	.3355
#1	.0481	28.96	1.999	2.214	.0539	28.07	.0509	.5169	.2100
#2	.0482	28.98	1.995	2.216	.0539	28.28	.0509	.5168	.2110
#3	.0476	28.97	2.006	2.209	.0540	28.05	.0508	.5174	.2113

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2665	28.31	26.20	27.05	.5280	.5294	26.03	.5139	.4951
Stddev	.0017	.04	.02	.28	.0012	.0006	.04	.0009	.0009
%RSD	.6554	.1261	.0720	1.026	.2359	.1058	.1623	.1698	.1858
#1	.2645	28.28	26.21	26.75	.5289	.5288	26.06	.5134	.4945
#2	.2675	28.30	26.18	27.29	.5286	.5294	25.99	.5133	.4947
#3	.2675	28.35	26.21	27.11	.5266	.5299	26.05	.5149	.4962

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5064	1.994	13.99	.5557	.5196	.5194	1.973	.4980	.5351
Stddev	.0021	.008	.01	.0013	.0005	.0015	.002	.0015	.0013
%RSD	.4197	.4032	.0591	.2339	.0958	.2885	.0876	.2941	.2354
#1	.5068	2.001	14.00	.5542	.5197	.5210	1.973	.4996	.5340
#2	.5083	1.985	13.99	.5563	.5190	.5189	1.972	.4969	.5349
#3	.5041	1.997	13.99	.5566	.5200	.5182	1.975	.4973	.5365

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP31439-B2 Acquired: 1/6/2017 11:23:01 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1807.7	4225.8	3340.0	7077.1
Stddev	5.2	11.2	67.	37.3
%RSD	.28654	.26427	.20165	.52737
#1	1801.7	4213.0	3339.5	7108.8
#2	1810.3	4231.4	3333.6	7036.0
#3	1811.1	4233.1	3347.0	7086.5

Sample Name: FA39978-1 Acquired: 1/6/2017 11:27:12 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.0171	0.0000	0.0002	-0.0001	0.0592	-0.0002	-0.0004	0.0005
Stddev	0.0003	0.0013	0.001	0.0001	0.0000	0.0011	0.0000	0.0001	0.0004
%RSD	119.9	7.439	452.9	24.01	51.71	1.819	5.596	17.64	87.21
#1	-0.0005	0.0159	0.0001	0.0003	-0.0001	0.0583	-0.0002	-0.0005	0.0004
#2	0.0000	0.0184	-0.0006	0.0002	0.0000	0.0604	-0.0002	-0.0004	0.0010
#3	-0.0001	0.0170	0.0005	0.0003	-0.0001	0.0588	-0.0002	-0.0003	0.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0071	0.0058	0.0723	0.0113	0.0000	-0.0008	0.3714	-0.0002	-0.0014
Stddev	0.0002	0.0020	0.0169	0.0094	0.0000	0.0002	0.0059	0.0002	0.0003
%RSD	2.261	33.72	23.34	83.13	31.81	18.80	1.576	82.72	22.51
#1	0.0071	0.0036	0.0891	0.0160	0.0000	-0.0007	0.3647	-0.0001	-0.0011
#2	0.0070	0.0067	0.0724	0.0174	0.0000	-0.0010	0.3747	-0.0001	-0.0015
#3	0.0073	0.0072	0.0553	0.0005	0.0000	-0.0007	0.3749	-0.0004	-0.0017
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0005	0.0040	13.78	0.0249	0.0001	0.0010	-0.0024	0.0001	0.0050
Stddev	0.0008	0.0017	0.04	0.0002	0.0000	0.0001	0.0014	0.0003	0.0000
%RSD	161.7	41.64	0.2577	0.6635	32.96	5.623	56.99	500.6	0.8597
#1	-0.0003	0.0022	13.79	0.0247	0.0000	0.0010	-0.0039	0.0004	0.0049
#2	-0.0002	0.0043	13.81	0.0248	0.0001	0.0009	-0.0012	-0.0001	0.0050
#3	-0.0013	0.0056	13.74	0.0250	0.0001	0.0010	-0.0021	-0.0001	0.0050
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	1981.9	4471.3	35290.9	7553.6					
Stddev	3.0	8.3	149.0	45.2					
%RSD	0.14974	0.18648	0.42336	0.59843					
#1	1979.3	4466.1	35295.0	7589.0					
#2	1981.3	4467.0	35437.0	7569.2					
#3	1985.2	4481.0	35138.0	7502.7					

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Sample Name: MP31440-MB1 Acquired: 1/6/2017 11:31:43 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	0.0002	-0.0010	0.0000	-0.0001	0.0143	-0.0003	-0.0006
Stddev	0.0002	0.0041	0.0008	0.0000	0.0000	0.0014	0.0001	0.0000
%RSD	44.26	1714.0	79.26	19.11	21.59	9.487	23.93	7.044
#1	-0.0005	-0.0034	-0.0018	0.0001	-0.0001	0.0149	-0.0002	-0.0006
#2	-0.0003	-0.0005	-0.0010	0.0000	-0.0001	0.0151	-0.0004	-0.0007
#3	-0.0007	0.0047	-0.0002	0.0000	-0.0001	0.0127	-0.0003	-0.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0001	0.0045	0.0037	0.0116	-0.0018	-0.0001	-0.0011	0.0217
Stddev	0.0001	0.0000	0.0020	0.0134	0.0058	0.0000	0.0001	0.0070
%RSD	97.79	9.256	53.77	115.6	318.0	8.767	10.43	32.35
#1	0.0000	0.0045	0.0058	0.0270	0.0018	-0.0001	-0.0010	0.0136
#2	0.0001	0.0046	0.0033	0.0027	0.0012	-0.0001	-0.0012	0.0256
#3	0.0002	0.0046	0.0019	0.0050	-0.0085	-0.0001	-0.0011	0.0258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0010	-0.0034	-0.0007	0.0009	19.15	0.0001	-0.0001	-0.0004
Stddev	0.0001	0.0006	0.0006	0.0020	0.05	0.0003	0.0000	0.0001
%RSD	9.355	19.03	93.57	214.4	2.465	282.1	48.71	31.05
#1	-0.0009	-0.0041	-0.0011	-0.0012	19.16	-0.0003	-0.0001	-0.0005
#2	-0.0009	-0.0030	-0.0010	0.0028	19.10	0.0003	-0.0001	-0.0003
#3	-0.0011	-0.0030	0.0001	0.0012	19.19	0.0003	0.0000	-0.0005
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit		0.0025						
Low Limit		-0.0025						

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Sample Name: MP31440-MB1 Acquired: 1/6/2017 11:31:43 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ti1908	V_2924	Zn2062	
Units	ppm	ppm	ppm	
Avg	-0.0038	-0.0003	0.0004	
Stddev	0.0008	0.0003	0.0001	
%RSD	21.85	104.4	14.00	
#1	-0.0029	-0.0005	0.0005	
#2	-0.0042	0.0001	0.0004	
#3	-0.0045	-0.0004	0.0005	
Check ?	Chk Pass	Chk Pass	Chk Pass	
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1936.2	4450.9	34469.9	7327.9
Stddev	8.6	16.8	63.0	30.0
%RSD	0.44299	0.37709	0.18242	0.40997
#1	1929.7	4436.5	34398.0	7294.8
#2	1945.9	4469.3	34490.0	7353.4
#3	1933.0	4446.7	34518.0	7335.6

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Sample Name: MP31440-B1 Acquired: 1/6/2017 11:36:15 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0488	30.08	2.012	2.240	0.0542	29.30	0.0507	5.194	2.096
Stddev	0.0005	0.08	0.02	0.04	0.0003	0.17	0.0001	0.0005	0.0010
%RSD	1.013	2.739	1.047	1.923	0.5077	0.5894	0.2621	0.0899	0.4630
#1	0.0494	30.01	2.010	2.244	0.0540	29.11	0.0506	5.194	2.097
#2	0.0484	30.05	2.012	2.235	0.0541	29.39	0.0507	5.189	2.086
#3	0.0487	30.17	2.014	2.241	0.0545	29.42	0.0509	5.198	2.105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.3138	29.27	27.06	28.27	0.5261	0.5418	26.98	5.119	4.953
Stddev	0.0009	0.11	0.12	0.20	0.0011	0.0007	0.09	0.0006	0.0014
%RSD	0.2808	0.3615	0.4319	0.7242	0.2098	0.1263	0.3505	0.1188	0.2755
#1	0.3130	29.16	27.12	28.04	0.5272	0.5413	27.05	5.116	4.940
#2	0.3147	29.28	26.93	28.31	0.5250	0.5416	26.88	5.115	4.967
#3	0.3138	29.38	27.14	28.45	0.5261	0.5426	27.02	5.126	4.953
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	0.2500								
Range	20.00%								
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.5099	2.011	19.21	0.5524	0.5289	0.5276	1.981	4.952	0.5645
Stddev	0.0028	0.003	0.02	0.0008	0.0017	0.0006	0.008	0.0005	0.0011
%RSD	0.5500	0.1429	0.1126	0.1516	0.3273	0.1212	0.4113	0.0930	0.1930
#1	0.5096	2.010	19.21	0.5529	0.5300	0.5277	1.971	4.957	0.5638
#2	0.5072	2.008	19.19	0.5514	0.5269	0.5281	1.985	4.948	0.5639
#3	0.5128	2.014	19.23	0.5528	0.5299	0.5269	1.986	4.952	0.5657
Check ?	Chk Pass	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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Sample Name: MP31440-B1 Acquired: 1/6/2017 11:36:15 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1823.4	4270.5	3392.4	7123.4
Stddev	3.2	11.9	67.	53.0
%RSD	.17785	.27803	.19835	.74414

#1	1820.5	4256.9	3388.7	7183.7
#2	1822.9	4278.4	3400.1	7102.7
#3	1826.9	4276.3	3388.2	7083.9

Sample Name: FA39951-5 Acquired: 1/6/2017 11:40:26 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	.0002	.1496	-.0007	.0558	-.0001	45.91	-.0003	.0037	.0013
Stddev	.0003	.0023	.0002	.0003	.0000	.15	.0000	.0001	.0001
%RSD	124.8	1.565	25.61	.5020	24.27	.3286	13.74	2.810	11.14

#1	.0006	.1508	-.0005	.0560	-.0001	45.81	-.0003	.0036	.0012
#2	.0000	.1510	-.0006	.0559	-.0001	45.83	-.0003	.0037	.0011
#3	.0001	.1469	-.0009	.0555	-.0001	46.08	-.0002	.0038	.0014

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	-.0002	.0553	1.815	17.50	.0172	.0006	9.916	.0079	-.0044
Stddev	.0002	.0032	.005	.09	.0001	.0001	.002	.0002	.0009
%RSD	64.36	5.729	.2693	.5067	.6583	18.47	.0235	1.974	21.08

#1	-.0004	.0589	1.818	17.43	.0171	.0005	9.913	.0081	-.0044
#2	-.0001	.0541	1.809	17.47	.0172	.0005	9.917	.0079	-.0034
#3	-.0002	.0529	1.817	17.60	.0173	.0007	9.917	.0078	-.0053

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.0014	.0016	20.83	.0001	.3722	.0115	-.0024	.0002	.0049
Stddev	.0001	.0018	.02	.0006	.0008	.0001	.0001	.0002	.0001
%RSD	4.189	108.3	.0865	444.9	.2251	.5596	5.693	73.58	1.824

#1	.0014	-.0002	20.83	-.0002	.3722	.0115	-.0023	.0002	.0049
#2	.0014	.0034	20.85	-.0002	.3714	.0115	-.0025	.0004	.0049
#3	.0015	.0017	20.82	.0008	.3731	.0114	-.0025	.0001	.0050

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	1876.4	4275.1	3398.3	7298.1
Stddev	6.2	11.7	107.	24.8
%RSD	.32913	.27447	.31439	.34047

#1	1869.3	4266.9	3396.0	7304.8
#2	1880.3	4270.0	3388.9	7318.9
#3	1879.7	4288.5	3409.9	7270.6

7.1
7

Sample Name: MP31440-D1 Acquired: 1/6/2017 11:44:54 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_3600)	Cr2677 (Y_2243)
Avg	.0006	.1449	-.0007	.0573	-.0001	46.70	-.0003	.0037	.0013
Stddev	.0004	.0072	.0002	.0002	.0000	.22	.0000	.0001	.0002
%RSD	61.84	4.967	27.02	.4036	44.70	.4753	11.15	1.616	18.20

#1	.0010	.1526	-.0009	.0574	-.0001	46.60	-.0002	.0038	.0015
#2	.0005	.1384	-.0005	.0574	.0000	46.95	-.0003	.0038	.0012
#3	.0003	.1435	-.0008	.0570	-.0001	46.54	-.0003	.0037	.0011

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	-.0003	.0537	1.864	17.84	.0177	.0003	10.12	.0087	-.0024
Stddev	.0001	.0020	.025	.01	.0001	.0001	.03	.0000	.0007
%RSD	32.90	3.646	1.346	.0637	.6624	45.55	.3000	.3831	28.06

#1	-.0003	.0551	1.871	17.85	.0177	.0003	10.15	.0087	-.0025
#2	-.0004	.0515	1.885	17.85	.0177	.0003	10.11	.0086	-.0016
#3	-.0002	.0545	1.836	17.83	.0175	.0001	10.09	.0087	-.0029

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (In2306)	Tl1908 (Y_3600)	V_2924 (Y_2243)	Zn2062 (Y_2243)
Avg	.0010	-.0001	20.18	.0002	.3795	.0120	-.0025	.0003	.0069
Stddev	.0008	.0011	.04	.0003	.0005	.0001	.0005	.0002	.0001
%RSD	82.05	737.9	.2218	122.7	.1315	.9421	20.05	58.04	1.169

#1	.0016	-.0012	20.23	.0001	.3801	.0119	-.0028	.0005	.0069
#2	.0001	.0009	20.16	.0006	.3793	.0120	-.0028	.0003	.0068
#3	.0014	-.0002	20.14	.0001	.3792	.0121	-.0019	.0001	.0070

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	1874.2	4279.9	3399.7	7292.4
Stddev	3.7	17.5	58.	45.3
%RSD	.19903	.40786	.17160	.62185

#1	1870.0	4260.0	3402.3	7318.2
#2	1875.9	4287.3	3393.0	7240.1
#3	1876.8	4292.5	3403.8	7319.0

Sample Name: MP31440-SD1 Acquired: 1/6/2017 11:49:22 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: :
Comment:

Elem IS Ref	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
Avg	.0000	.1470	-.0016	.0567	-.0007	47.33	-.0012	.0031	.0005
Stddev	.0028	.0438	.0019	.0007	.0000	.30	.0002	.0002	.0011
%RSD	1635.0	29.77	123.2	1.263	6.394	.6262	12.92	7.806	207.9

#1	.0029	.1888	.0001	.0569	-.0008	47.57	-.0012	.0029	-.0007
#2	-.0001	.1507	-.0011	.0560	-.0008	47.43	-.0011	.0031	.0014
#3	-.0028	.1015	-.0037	.0574	-.0007	47.00	-.0014	.0034	.0008

Elem IS Ref	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
Avg	-.0038	.0304	1.911	18.05	.0169	-.0051	10.01	.0075	-.0013
Stddev	.0005	.0037	.068	.14	.0002	.0006	.03	.0002	.0013
%RSD	12.91	12.29	3.546	.8028	1.283	11.88	.2954	3.274	96.09

#1	-.0036	.0277	1.855	18.13	.0168	-.0044	10.04	.0078	.0001
#2	-.0044	.0288	1.890	17.88	.0167	-.0051	9.986	.0075	-.0021
#3	-.0034	.0346	1.986	18.14	.0171	-.0056	10.00	.0073	-.0020

Elem IS Ref	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
Avg	.0028	.0017	20.37	-.0014	.3710	.0108	-.0063	-.0001	.0299
Stddev	.0056	.0022	.08	.0018	.0020	.0000	.0048	.0020	.0006
%RSD	203.4	131.5	.3698	135.8	.5331	.4630	76.81	204.6	1.969

#1	.0086	.0037	20.29	-.0026	.3730	.0108	-.0064	.0004	.0304
#2	-.0026	.0020	20.40	.0008	.3690	.0108	-.0111	.0015	.0301
#3	.0023	-.0007	20.43	-.0022	.3711	.0107	-.0014	-.0023	.0293

Int. Std. Avg	In2306	Y_2243	Y_3600	Y_3710
Avg	1970.9	4505.5	3520.5	7379.5
Stddev	2.7	19.3	31.	82.8
%RSD	.13876	.42732	.08766	1.1222

#1	1973.0	4526.7	3518.1	7318.0
#2	1971.9	4500.6	3523.9	7346.8
#3	1967.8	4489.1	3519.4	7473.7

Sample Name: CCV Acquired: 1/6/2017 11:53:51 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2546	41.37	1.932	2.114	2.042	43.36	1.979	2.015	2.014
Stddev	.0011	.07	.006	.003	.002	.16	.001	.002	.006
%RSD	.4152	.1736	.2903	.1244	.0885	.3605	.0239	.0926	.2806
#1	.2552	41.40	1.926	2.116	2.042	43.36	1.979	2.016	2.010
#2	.2534	41.42	1.932	2.111	2.040	43.52	1.978	2.013	2.020
#3	.2553	41.29	1.937	2.116	2.043	43.21	1.979	2.017	2.010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.016	41.25	39.89	42.59	2.006	2.028	40.27	1.952	1.967
Stddev	.012	.02	.06	.22	.008	.004	.05	.002	.004
%RSD	.5809	.0371	.1482	.5113	.4027	.1721	.1362	.0877	.2143
#1	2.029	41.24	39.85	42.69	1.998	2.026	40.26	1.951	1.971
#2	2.011	41.27	39.86	42.73	2.014	2.026	40.22	1.952	1.966
#3	2.008	41.25	39.96	42.33	2.005	2.032	40.33	1.954	1.963

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.943	1.978	1.906	2.061	2.004	1.968	1.959	1.949	2.088
Stddev	.002	.003	.003	.002	.002	.004	.002	.006	.004
%RSD	.1259	.1542	.1806	.0923	.1009	.1827	.0932	.3232	.1813
#1	1.944	1.975	1.902	2.062	2.005	1.965	1.961	1.945	2.090
#2	1.941	1.979	1.909	2.059	2.002	1.972	1.959	1.956	2.083
#3	1.945	1.981	1.907	2.062	2.006	1.968	1.957	1.945	2.090

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 1/6/2017 11:53:51 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1835.7	4384.4	34618.	7268.3
Stddev	3.1	7.8	166.	50.6
%RSD	.16939	.17692	.47928	.69661
#1	1833.0	4381.7	34456.	7299.3
#2	1839.1	4393.1	34610.	7209.9
#3	1835.0	4378.3	34788.	7295.7

Sample Name: CCB Acquired: 1/6/2017 11:58:02 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	.0035	.0009	.0001	.0000	.0067	.0000	.0001	-0.0001
Stddev	.0002	.0069	.0003	.0001	.0000	.0013	.000	.0001	.0001
%RSD	81.74	195.9	29.40	98.12	51.28	19.22	552.4	132.3	64.36
#1	-0.0001	.0113	.0010	.0001	.0001	.0067	.0000	.0000	-0.0001
#2	-0.0001	.0010	.0006	.0002	.0000	.0080	.0000	.0001	-0.0001
#3	-0.0005	-0.0017	.0010	.0000	.0000	.0054	-0.0001	.0002	-0.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0011	.0022	.0355	.0061	.0000	.0005	.0086	-0.0001	.0004
Stddev	.0001	.0023	.0400	.0077	.000	.0005	.0072	.0003	.0009
%RSD	13.46	103.6	112.6	125.7	916.2	94.48	83.94	227.8	257.4
#1	-0.0010	.0045	.0770	.0128	.0000	.0011	.0113	.0001	-0.0001
#2	-0.0010	.0022	.0326	.0077	.0000	.0002	.0141	-0.0001	.0014
#3	-0.0012	-0.0001	-0.0029	-0.0022	.0000	.0003	.0004	-0.0005	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	.0005	.0018	-0.0004	.0001	-0.0002	-0.0005	.0002	-0.0002
Stddev	.0003	.0036	.0004	.0001	.0000	.0001	.0007	.0002	.0001
%RSD	119.1	707.5	23.24	25.97	28.86	50.92	135.0	101.8	59.99
#1	-0.0002	-0.0028	.0015	-0.0005	.0000	-0.0002	.0003	.0003	-0.0001
#2	-0.0007	.0000	.0016	-0.0004	.0000	-0.0001	-0.0007	.0000	-0.0002
#3	.0000	.0043	.0023	-0.0003	.0001	-0.0002	-0.0011	.0003	-0.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 1/6/2017 11:58:02 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1980.2	4539.4	35443.	7479.7
Stddev	1.8	4.2	169.	21.3
%RSD	.08850	.09288	.47571	.28482
#1	1978.9	4534.9	35631.	7459.4
#2	1982.2	4539.9	35305.	7477.8
#3	1979.5	4543.3	35393.	7501.8

Sample Name: MP31440-PS1 Acquired: 1/6/2017 12:02:36 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0506	2.960	1.063	.3511	.0555	51.88	.0525	.0573	.0566
Stddev	.0004	.008	.0012	.0008	.0001	.05	.0001	.0001	.0001
%RSD	.8710	.2639	1.098	.2163	.1200	.0912	.2272	.2312	.1704
#1	.0511	2.957	1.069	.3519	.0555	51.85	.0525	.0573	.0567
#2	.0506	2.968	1.050	.3509	.0555	51.85	.0523	.0572	.0565
#3	.0502	2.953	1.071	.3504	.0554	51.93	.0526	.0574	.0566
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.1102	3.429	12.42	23.20	.0720	1.112	20.53	1.115	0.476
Stddev	.0009	.009	.03	.05	.0002	.0002	.06	.0001	.0004
%RSD	.8189	.2573	.2224	.2096	.2443	.2151	.3144	.0870	.7953
#1	.1100	3.433	12.40	23.17	.0721	1.112	20.55	1.115	0.477
#2	.1112	3.435	12.45	23.18	.0718	1.110	20.58	1.114	0.472
#3	.1094	3.419	12.40	23.26	.0721	1.115	20.46	1.116	0.479
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.101	1.021	20.15	.0542	.4205	1.189	.0967	.0526	2.870
Stddev	.0006	.0008	.01	.0003	.0023	.0004	.0012	.0002	.0000
%RSD	.5828	.8018	.0362	.5559	.5545	.3536	1.203	.3670	0.153
#1	1.101	1.030	20.15	.0539	.4217	1.192	.0973	.0529	2.870
#2	1.095	1.019	20.15	.0541	.4219	1.184	.0975	.0525	2.870
#3	1.107	1.014	20.16	.0545	.4178	1.190	.0954	.0525	2.870
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1867.6	4328.4	3405.4	7258.5					
Stddev	4.8	5.9	11.2	22.9					
%RSD	.2556	.13718	.32982	.31599					
#1	1862.2	4323.8	3396.0	7232.9					
#2	1869.6	4326.3	3402.4	7277.1					
#3	1871.0	4335.1	3417.9	7265.5					

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Sample Name: MP31440-S1 Acquired: 1/6/2017 12:06:54 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0502	30.53	2.004	2.307	.0545	76.12	.0498	.5161	2.104
Stddev	.0004	.07	.001	.007	.0002	.31	.0000	.0010	.0004
%RSD	.8372	.2145	.0410	.2998	.3190	.4114	.0977	.1929	.2111
#1	.0506	30.46	2.005	2.307	.0543	75.82	.0498	.5155	2.104
#2	.0501	30.53	2.004	2.300	.0546	76.44	.0498	.5157	2.109
#3	.0498	30.59	2.004	2.314	.0545	76.09	.0499	.5173	2.100
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.2710	29.25	29.08	46.44	.5376	5328	37.25	5.116	4.923
Stddev	.0015	.04	.13	.23	.0008	.0012	.12	.0003	.0024
%RSD	.5619	.1403	.4433	.4972	.1510	.2310	.3240	.0575	.4878
#1	.2701	29.20	29.01	46.20	.5382	5315	37.28	5.114	4.917
#2	.2728	29.28	29.01	46.66	.5379	5330	37.12	5.120	4.949
#3	.2702	29.27	29.23	46.46	.5367	5340	37.35	5.116	4.902
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.049	2.013	20.02	.5415	.8967	5.298	1.968	4.948	5.358
Stddev	.0015	.010	.06	.0008	.0019	.0012	.003	.0023	.0010
%RSD	.2914	.5035	.2887	.1517	.2093	.2228	.1376	.4554	.1937
#1	5.054	2.007	20.02	.5406	.8955	5.288	1.968	4.973	5.349
#2	5.033	2.007	19.97	5.422	.8958	5.311	1.966	4.929	5.357
#3	5.061	2.025	20.08	5.416	.8989	5.295	1.971	4.943	5.369
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1780.5	4227.9	3329.9	7061.5					
Stddev	4.4	12.9	11.6	43.5					
%RSD	.24546	.30494	.34821	.61645					
#1	1778.9	4235.9	3326.1	7088.8					
#2	1785.4	4234.7	3320.7	7011.3					
#3	1777.1	4213.0	3342.9	7084.4					

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Sample Name: MP31440-S2 Acquired: 1/6/2017 12:11:07 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0512	31.19	2.068	2.365	.0558	78.62	.0514	.5288	2.136
Stddev	.0005	.10	.002	.003	.0001	.24	.0001	.0004	.0005
%RSD	.9933	.3316	.1029	.1364	.1476	.3098	.2349	.0667	.2458
#1	.0513	31.29	2.070	2.367	.0559	78.86	.0512	.5292	2.141
#2	.0507	31.19	2.066	2.362	.0558	78.65	.0514	.5286	2.138
#3	.0517	31.09	2.068	2.368	.0557	78.37	.0515	.5286	2.131
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	27.54	29.85	29.85	47.53	5.497	5.455	38.36	5.254	5.070
Stddev	.0010	.07	.06	.19	.0004	.0005	.09	.0005	.0014
%RSD	.3755	.2248	.1937	.4063	.0818	.0966	.2364	.1032	.2778
#1	27.64	29.92	29.92	47.74	.5500	.5461	38.47	.5259	5.058
#2	27.56	29.84	29.83	47.48	.5499	.5452	38.31	.5255	5.067
#3	27.43	29.79	29.81	47.36	.5492	.5452	38.31	.5248	5.085
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.205	2.069	20.14	.5517	.9298	5.430	2.022	.5067	5.464
Stddev	.0007	.004	.02	.0009	.0018	.0004	.002	.0010	.0013
%RSD	.1322	.1847	.1001	.1636	.1977	.0757	.1091	.1992	.2420
#1	5.211	2.073	20.16	.5507	.9318	5.433	2.022	.5078	5.457
#2	5.198	2.068	20.14	.5525	.9292	5.430	2.024	.5062	5.456
#3	5.206	2.066	20.13	.5520	.9282	5.425	2.020	.5059	5.480
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1762.6	4181.6	3313.8	7057.8					
Stddev	.6	5.9	7.6	40.2					
%RSD	.03578	.14112	.22853	.56992					
#1	1762.6	4177.7	3310.0	7024.7					
#2	1762.0	4178.8	3308.8	7046.2					
#3	1763.3	4188.4	3322.5	7102.6					

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Sample Name: FA39951-3 Acquired: 1/6/2017 12:15:20 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0024	.8828	-.0002	.0526	-.0001	46.56	-.0003	.0083	.0026
Stddev	.0002	.0074	.0003	.0000	.0001	.04	.0000	.0001	.0001
%RSD	9.018	8.351	123.5	.0597	63.01	.0946	9.424	1.491	4.357
#1	.0022	.8745	-.0003	.0525	-.0001	46.61	-.0003	.0082	.0025
#2	.0023	.8854	-.0005	.0526	-.0002	46.53	-.0002	.0084	.0025
#3	.0026	.8885	.0001	.0526	.0000	46.54	-.0003	.0082	.0027
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.227	1.205	6.459	17.62	.0125	0.020	16.55	.0042	.0073
Stddev	.0014	.0013	.015	.07	.0001	.0002	.01	.0001	.0009
%RSD	.4272	1.101	.2356	4.188	.8357	9.987	.0304	3.301	12.76
#1	3.211	1.190	6.475	17.70	.0126	.0019	16.56	.0040	.0062
#2	3.236	1.213	6.445	17.60	.0124	.0022	16.55	.0043	.0079
#3	3.234	1.212	6.457	17.56	.0124	.0018	16.55	.0041	.0077
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y				

Sample Name: FA39951-1 Acquired: 1/6/2017 12:19:46 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0012	.1993	-0.012	.0423	-0.001	49.60	-0.003	.0146	.0073
Stddev	.0001	.0034	.0011	.0003	.0000	.14	.0001	.0000	.0001
%RSD	5.176	1.707	91.34	.6950	24.95	.2749	19.09	.1840	1.891
#1	.0012	.1961	-0.020	.0426	-0.001	49.70	-0.003	.0146	.0074
#2	.0011	.1990	.0001	.0420	-0.001	49.45	-0.002	.0146	.0073
#3	.0012	.2029	-0.018	.0421	.0000	49.65	-0.003	.0146	.0071
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0005	.1322	3.238	18.34	.0093	.0021	9.602	.0364	-0.026
Stddev	.0005	.0015	.021	.10	.0000	.0001	.032	.0000	.0005
%RSD	93.25	1.137	.6616	.5567	.2445	5.273	.3347	.1347	20.11
#1	.0004	.1326	3.219	18.43	.0093	.0021	9.620	.0364	-0.030
#2	.0001	.1335	3.234	18.23	.0094	.0023	9.565	.0365	-0.028
#3	.0011	.1306	3.261	18.35	.0093	.0021	9.622	.0365	-0.020
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0002	.0014	23.34	.0001	.3464	.0168	-0.034	.0004	.0191
Stddev	.0019	.0024	.02	.0002	.0012	.0001	.0009	.0001	.0001
%RSD	885.2	170.6	.0954	298.9	.3500	5.941	26.40	24.34	.6564
#1	.0002	.0035	23.36	-0.001	.3469	.0169	-0.045	.0005	.0190
#2	.0022	-0.012	23.35	.0003	.3450	.0167	-0.030	.0005	.0191
#3	-0.0017	.0019	23.32	.0000	.3473	.0168	-0.028	.0003	.0193
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1853.7	4267.3	3351.0	7062.8					
Stddev	5.2	6.4	15.	31.1					
%RSD	.27824	.15060	.04445	.44082					
#1	1855.3	4273.2	3352.2	7028.8					
#2	1847.9	4260.4	3349.3	7069.5					
#3	1857.8	4268.3	3351.3	7090.0					

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Sample Name: FA39951-7 Acquired: 1/6/2017 12:24:13 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0064	.0689	.0001	.0053	-0.001	43.75	-0.004	4.836	.0848
Stddev	.0005	.0053	.0008	.0001	.0000	.08	.0000	.0005	.0002
%RSD	7.272	7.690	853.2	1.810	19.47	.1895	7.153	.0967	.2548
#1	.0063	.0628	.0010	.0054	-0.001	43.74	-0.004	4.839	.0850
#2	.0069	.0721	-0.004	.0053	-0.002	43.68	-0.005	4.839	.0846
#3	.0060	.0717	-0.003	.0052	-0.002	43.84	-0.004	4.831	.0848
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2775	1.125	F 316.9	16.04	.1190	.3220	F 185.1	.4655	.0092
Stddev	.0013	.001	.9	.07	.0001	.0004	2.6	.0005	.0001
%RSD	.4758	.0679	.2752	.4664	.1160	.1234	1.411	.0974	1.414
#1	.2760	1.126	317.7	15.96	.1191	.3215	183.2	.4659	.0092
#2	.2782	1.125	316.0	16.10	.1188	.3223	184.0	.4657	.0091
#3	.2784	1.124	317.1	16.07	.1190	.3221	188.0	.4650	.0094
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0003	-0.001	17.41	.0012	.2868	.0115	-0.020	.0016	.1759
Stddev	.0009	.0012	.05	.0001	.0010	.0001	.0023	.0001	.0004
%RSD	321.3	852.8	.2619	6.317	.3502	9.765	112.8	8.333	.2316
#1	.0013	.0011	17.37	.0012	.2880	.0117	-0.036	.0015	.1761
#2	-0.0005	-0.002	17.46	.0011	.2863	.0114	-0.006	.0016	.1754
#3	.0001	-0.0013	17.41	.0013	.2861	.0115	-0.029	.0018	.1761
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1734.6	4145.7	3295.7	7008.2					
Stddev	3.3	9.2	85.	38.2					
%RSD	.18934	.22082	.25678	.54482					
#1	1731.4	4147.9	3287.8	7013.8					
#2	1737.9	4135.6	3294.6	7043.2					
#3	1734.6	4153.6	3304.6	6967.5					

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7.1
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Sample Name: FA39957-4 Acquired: 1/6/2017 12:28:45 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0002	.0681	.0001	.0101	-0.001	67.95	-0.003	-0.003	.0011
Stddev	.0003	.0088	.0010	.0000	.0001	.15	.0000	.0001	.0002
%RSD	195.5	12.86	186.7	.3816	46.39	.2164	4.741	33.63	15.07
#1	-0.0003	.0781	.0005	.0101	-0.001	67.79	-0.003	-0.002	.0009
#2	-0.0004	.0642	.0007	.0101	-0.001	68.08	-0.003	-0.003	.0011
#3	.0002	.0619	-0.0011	.0101	-0.001	67.98	-0.002	-0.004	.0013
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.018	.0238	1.607	.9845	.0008	.0027	4.866	-0.002	-0.008
Stddev	.0001	.0020	.013	.0126	.0000	.0002	.003	.0001	.0006
%RSD	3.484	8.277	.8157	1.284	2.051	5.488	.0663	41.23	73.46
#1	-0.019	.0242	1.593	.9705	.0008	.0029	4.869	-0.002	-0.001
#2	-0.018	.0256	1.619	.9881	.0008	.0028	4.866	-0.001	-0.0011
#3	-0.018	.0217	1.610	.9950	.0008	.0026	4.863	-0.003	-0.0010
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0216	.0012	4.871	-0.001	.4219	.0013	-0.018	.0051	.0004
Stddev	.0001	.0015	.007	.0003	.0009	.0002	.0012	.0002	.0002
%RSD	.4475	130.9	.1508	435.8	.2169	15.39	65.21	4.253	41.35
#1	.0217	.0029	4.865	.0003	.4229	.0012	-0.031	.0053	.0003
#2	.0216	.0004	4.869	-0.004	.4216	.0015	-0.010	.0049	.0004
#3	.0215	.0002	4.879	-0.001	.4212	.0012	-0.013	.0052	.0006
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1883.0	4312.7	3405.3	7137.2					
Stddev	3.1	5.3	92.	37.2					
%RSD	.16285	.12218	.26984	.52148					
#1	1880.0	4315.6	3398.4	7173.4					
#2	1886.1	4315.9	3415.7	7099.1					
#3	1882.7	4306.6	3401.7	7139.2					

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Sample Name: FA39957-4F Acquired: 1/6/2017 12:33:17 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	.0289	.0002	.0103	-0.001	67.63	-0.003	-0.002	.0008
Stddev	.0002	.0064	.0005	.0002	.0000	.16	.0000	.0001	.0003
%RSD	207.7	22.07	199.8	1.781	24.96	2.295	3.985	20.64	33.65
#1	-0.0003	.0283	.0005	.0103	-0.001	67.81	-0.003	-0.003	.0005
#2	-0.0002	.0229	.0003	.0105	-0.001	67.53	-0.003	-0.003	.0010
#3	.0001	.0356	.0005	.0102	-0.001	67.56	-0.004	-0.002	.0008
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.026	.0092	1.683	1.040	.0010	.0027	5.046	-0.003	-0.003
Stddev	.0002	.0020	.011	.026	.0000	.0001	.011	.0002	.0002
%RSD	9.186	22.24	.6318	2.464	3.463	3.378	.2195	47.74	73.74
#1	-0.028	.0101	1.679	1.038	.0010	.0028	5.040	-0.003	-0.005
#2	-0.025	.0068	1.675	1.015	.0010	.0028	5.059	-0.002	-0.005
#3	-0.024	.0106	1.695	1.066	.0011	.0027	5.039	-0.005	.0000
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062

Sample Name: FA39964-1 Acquired: 1/6/2017 12:37:48 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	3.992	-0.008	0.188	-0.001	274.4	-0.003	-0.002	0.023
Stddev	.0004	.0076	.0010	.0002	.0000	2.4	.0000	.0001	.0005
%RSD	75.54	1.900	134.6	1.044	19.08	.8637	12.35	69.03	21.01
#1	-0.008	.3925	-.0010	.0188	-.0001	275.7	-.0003	-.0003	.0029
#2	-0.001	.3976	-.0016	.0186	-.0001	271.6	-.0003	-.0002	.0021
#3	-0.006	.4074	.0004	.0190	-.0001	275.8	-.0003	.0000	.0020
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.009	1.528	5.225	1.745	0.264	0.002	79.41	0.007	0.081
Stddev	.0003	.006	.0386	.025	.0002	.0001	.11	.0001	.0008
%RSD	29.08	.3716	7.392	1.421	.6367	53.91	.1353	14.44	9.457
#1	-0.006	1.530	5.284	1.769	.0266	.0001	79.29	.0008	.0073
#2	-0.012	1.522	4.812	1.720	.0263	.0001	79.44	.0008	.0087
#3	-0.010	1.533	5.578	1.746	.0265	.0003	79.50	.0006	.0084
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.011	0.021	8.879	0.004	3.434	0.106	-0.007	0.009	0.059
Stddev	.0012	.0008	.013	.0001	.022	.0009	.0008	.0002	.0001
%RSD	102.6	37.06	.1404	27.85	.6324	8.291	114.8	21.42	1.749
#1	.0006	.0030	8.873	.0004	3.426	.0097	-.0015	.0011	.0059
#2	.0025	.0016	8.871	.0006	3.416	.0106	-.0005	.0007	.0060
#3	.0003	.0017	8.893	.0003	3.458	.0114	.0000	.0010	.0058
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1764.2	4135.9	33039.	6898.6					
Stddev	1.3	7.1	134.	36.4					
%RSD	.07623	.17156	.40463	.52753					
#1	1764.0	4139.9	32888.	6869.7					
#2	1765.7	4140.1	33142.	6939.4					
#3	1763.1	4127.7	33087.	6886.6					

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Sample Name: FA39964-2 Acquired: 1/6/2017 12:42:33 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.006	1.600	-0.013	0.094	-0.001	247.5	-0.003	-0.003	0.015
Stddev	.0004	.0138	.0007	.0001	.0001	.8	.0000	.0001	.0002
%RSD	63.18	8.597	52.31	1.162	84.16	.3321	7.050	49.60	14.04
#1	-0.002	.1549	-.0021	.0095	-.0001	248.3	-.0004	-.0004	.0014
#2	-0.010	.1756	-.0009	.0094	-.0001	246.7	-.0004	-.0004	.0013
#3	-0.006	.1495	-.0009	.0093	.0000	247.7	-.0003	-.0001	.0017
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.028	6.336	1.794	3.892	0.037	-0.004	39.44	0.001	0.091
Stddev	.0002	.0064	.0214	.034	.0000	.0000	.10	.0001	.0005
%RSD	.7080	1.006	11.94	.8696	.5645	7.839	.2649	66.84	5.780
#1	.0326	.6409	1.848	3.930	.0037	-.0005	39.55	.0001	.0087
#2	.0329	.6288	1.558	3.883	.0037	-.0004	39.34	.0001	.0090
#3	.0331	.6311	1.976	3.864	.0037	-.0005	39.43	.0000	.0097
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.012	0.025	6.315	0.003	3.241	0.015	-0.016	0.005	0.202
Stddev	.0008	.0020	.003	.0005	.030	.0002	.0024	.0000	.0002
%RSD	65.41	81.56	.0478	131.1	.9171	10.80	154.7	0.000	1.212
#1	.0012	.0048	6.317	.0008	3.258	.0015	-.0035	.0006	.0199
#2	.0004	.0009	6.317	.0004	3.207	.0014	-.0023	.0005	.0204
#3	.0019	.0018	6.312	-.0001	3.259	.0017	.0011	.0005	.0203
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1790.5	4149.7	33210.	6966.2					
Stddev	3.7	5.8	28.	28.7					
%RSD	.20928	.14067	.08567	.41132					
#1	1793.0	4149.5	33242.	6933.2					
#2	1786.2	4144.0	33187.	6979.7					
#3	1792.4	4155.7	33203.	6985.5					

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Sample Name: CCV Acquired: 1/6/2017 12:47:19 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.561	41.59	1.921	2.122	2.043	43.73	1.974	2.012	2.028
Stddev	.0005	.004	.002	.004	.004	.08	.002	.001	.003
%RSD	.2021	.1049	.1180	.1875	.1885	.1777	.0854	.0279	.1640
#1	.2567	41.63	1.918	2.120	2.044	43.80	1.976	2.012	2.025
#2	.2559	41.59	1.922	2.127	2.045	43.75	1.974	2.012	2.030
#3	.2557	41.55	1.922	2.120	2.038	43.65	1.973	2.013	2.031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.028	41.41	40.02	43.12	2.003	2.018	40.03	1.942	1.979
Stddev	.005	.007	.005	.005	.005	.002	.007	.003	.001
%RSD	.2480	.1750	.1335	.1211	.2453	.0765	.1815	.1659	.0329
#1	2.032	41.45	40.06	43.08	2.008	2.017	40.09	1.945	1.979
#2	2.029	41.46	40.04	43.10	2.003	2.018	40.05	1.939	1.978
#3	2.022	41.33	39.96	43.18	1.999	2.020	39.95	1.941	1.979
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.927	1.966	1.899	2.067	2.004	1.963	1.963	1.948	2.109
Stddev	.003	.007	.006	.001	.004	.008	.001	.003	.004
%RSD	.1594	.3463	.3143	.0550	.1887	.4288	.0735	.1450	.1735
#1	1.930	1.960	1.904	2.066	2.008	1.972	1.963	1.951	2.113
#2	1.924	1.965	1.893	2.068	2.005	1.959	1.961	1.948	2.109
#3	1.928	1.973	1.902	2.067	2.000	1.957	1.963	1.946	2.106
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: CCV Acquired: 1/6/2017 12:47:19 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1826.0	4399.0	34403.	7213.1
Stddev	2.1	3.8	153.	22.9
%RSD	.11340	.08615	.44494	.31700
#1	1828.4	4401.9	34251.	7186.7
#2	1824.5	4400.4	34402.	7225.3
#3	1825.2	4394.7	34557.	7227.2

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7.1
7

Sample Name: CCB Acquired: 1/6/2017 12:51:31 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.0039	0.006	0.000	0.000	0.041	-0.001	0.000	-0.002
Stddev	0.002	0.0047	0.006	0.000	0.000	0.005	0.001	0.001	0.001
%RSD	179.2	121.1	94.45	3451.	183.2	11.09	58.64	1944.	51.16
#1	-0.002	0.0055	0.000	0.001	0.000	0.040	-0.001	0.001	-0.003
#2	-0.003	0.0077	0.011	0.002	-0.001	0.047	0.000	-0.001	-0.002
#3	0.001	-0.014	0.008	-0.003	0.000	0.038	-0.002	0.000	-0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.013	0.010	0.395	0.106	-0.001	0.005	0.344	-0.002	0.003
Stddev	0.002	0.0019	0.173	0.077	0.000	0.003	0.028	0.001	0.005
%RSD	12.34	191.9	43.74	72.85	20.34	59.01	8.218	38.38	156.0
#1	-0.015	0.032	0.195	0.029	-0.001	0.008	0.317	-0.002	0.002
#2	-0.013	0.000	0.492	0.184	-0.001	0.003	0.342	-0.002	-0.001
#3	-0.012	-0.002	0.498	0.105	-0.001	0.003	0.373	-0.001	0.009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.001	0.002	0.037	0.002	0.000	-0.003	-0.003	-0.002	-0.004
Stddev	0.007	0.008	0.007	0.006	0.000	0.001	0.003	0.001	0.001
%RSD	795.4	482.0	18.70	309.4	558.9	25.68	120.4	39.61	16.62
#1	-0.006	0.011	0.046	0.006	0.000	-0.003	-0.001	-0.002	-0.003
#2	0.009	-0.001	0.034	0.004	-0.001	-0.002	-0.007	-0.002	-0.004
#3	0.000	-0.005	0.033	-0.005	0.000	-0.002	0.000	-0.003	-0.003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 1/6/2017 12:51:31 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1961.9	4550.6	3494.9	7262.0
Stddev	2.6	4.4	60.	40.2
%RSD	.13352	.09771	.17225	.55318
#1	1964.3	4545.4	3491.6	7280.1
#2	1962.2	4553.3	3491.4	7215.9
#3	1959.1	4552.9	3501.9	7289.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.013	0.010	0.395	0.106	-0.001	0.005	0.344	-0.002	0.003
Stddev	0.002	0.0019	0.173	0.077	0.000	0.003	0.028	0.001	0.005
%RSD	12.34	191.9	43.74	72.85	20.34	59.01	8.218	38.38	156.0
#1	-0.015	0.032	0.195	0.029	-0.001	0.008	0.317	-0.002	0.002
#2	-0.013	0.000	0.492	0.184	-0.001	0.003	0.342	-0.002	-0.001
#3	-0.012	-0.002	0.498	0.105	-0.001	0.003	0.373	-0.001	0.009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.001	0.002	0.037	0.002	0.000	-0.003	-0.003	-0.002	-0.004
Stddev	0.007	0.008	0.007	0.006	0.000	0.001	0.003	0.001	0.001
%RSD	795.4	482.0	18.70	309.4	558.9	25.68	120.4	39.61	16.62
#1	-0.006	0.011	0.046	0.006	0.000	-0.003	-0.001	-0.002	-0.003
#2	0.009	-0.001	0.034	0.004	-0.001	-0.002	-0.007	-0.002	-0.004
#3	0.000	-0.005	0.033	-0.005	0.000	-0.002	0.000	-0.003	-0.003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICV Acquired: 1/6/2017 13:23:57 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2539	40.38	1.980	1.995	1.999	40.74	1.980	1.972	1.987
Stddev	0.010	.16	.006	.009	.004	.12	.004	.003	.003
%RSD	.3884	.3937	.2866	.4455	.1977	.3043	.1949	.1309	.1276
#1	2549	40.34	1.975	1.994	2.000	40.86	1.977	1.969	1.984
#2	2539	40.56	1.986	2.004	2.002	40.74	1.984	1.974	1.989
#3	2529	40.26	1.981	1.986	1.994	40.61	1.979	1.973	1.987

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.955	39.87	40.32	40.48	2.001	1.935	40.20	1.960	1.958
Stddev	.007	.06	.18	.06	.004	.005	.14	.004	.003
%RSD	.3530	.1514	.4507	.1453	.1774	.2379	.3388	.2077	.1321
#1	1.962	39.90	40.24	40.51	2.005	1.930	40.17	1.976	1.960
#2	1.956	39.92	40.52	40.52	2.000	1.938	40.34	1.984	1.958
#3	1.948	39.80	40.18	40.42	1.998	1.938	40.07	1.979	1.955

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.966	1.971	1.464	2.007	1.963	1.995	2.037	1.927	1.975
Stddev	.005	.005	.0010	.003	.008	.005	.006	.001	.003
%RSD	.2713	.2448	.6953	.1297	.4246	.2630	.3011	.0540	.1513
#1	1.962	1.967	1.466	2.004	1.960	2.001	2.040	1.927	1.972
#2	1.972	1.977	1.473	2.010	1.973	1.992	2.041	1.928	1.977
#3	1.965	1.970	1.453	2.007	1.957	1.991	2.030	1.926	1.977

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.966	1.971	1.464	2.007	1.963	1.995	2.037	1.927	1.975
Stddev	.005	.005	.0010	.003	.008	.005	.006	.001	.003
%RSD	.2713	.2448	.6953	.1297	.4246	.2630	.3011	.0540	.1513
#1	1.962	1.967	1.466	2.004	1.960	2.001	2.040	1.927	1.972
#2	1.972	1.977	1.473	2.010	1.973	1.992	2.041	1.928	1.977
#3	1.965	1.970	1.453	2.007	1.957	1.991	2.030	1.926	1.977

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 1/6/2017 13:23:57 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1814.7	4389.5	3414.2	7106.5
Stddev	6.5	4.3	78.	15.8
%RSD	.35724	.09835	.22977	.22294
#1	1807.3	4386.3	3405.6	7088.3
#2	1816.9	4387.8	3421.0	7116.6
#3	1819.7	4394.4	3416.0	7114.8

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.955	39.87	40.32	40.48	2.001	1.935	40.20	1.960	1.958
Stddev	.007	.06	.18	.06	.004	.005	.14	.004	.003
%RSD	.3530	.1514	.4507	.1453	.1774	.2379	.3388	.2077	.1321
#1	1.962	39.90	40.24	40.51	2.005	1.930	40.17	1.976	1.960
#2	1.956	39.92	40.52	40.52	2.000	1.938	40.34	1.984	1.958
#3	1.948	39.80	40.18	40.42	1.998	1.938	40.07	1.979	1.955

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.966	1.971	1.464	2.007	1.963	1.995	2.037	1.927	1.975
Stddev	.005	.005	.0010	.003	.008	.005	.006	.001	.003
%RSD	.2713	.2448	.						

Sample Name: CCV Acquired: 1/6/2017 13:29:32 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2486	40.15	1.990	2.008	2.019	40.34	2.011	2.006	2.023
Stddev	.0008	.13	.004	.005	.006	.12	.002	.002	.006
%RSD	.3117	.3313	.1902	.2516	.3139	.2983	.0837	.0826	.3083
#1	.2478	40.23	1.987	2.013	2.023	40.47	2.010	2.005	2.030
#2	.2489	40.00	1.990	2.003	2.011	40.23	2.012	2.005	2.021
#3	.2493	40.23	1.994	2.008	2.021	40.33	2.013	2.008	2.018

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.984	40.60	39.91	40.24	2.027	2.017	39.95	2.009	1.985
Stddev	.003	.20	.17	.07	.005	.002	.10	.002	.005
%RSD	.1640	.4908	.4278	.1701	.2475	.1206	.2448	.0829	.2575
#1	1.982	40.67	39.99	40.27	2.033	2.016	40.04	2.008	1.982
#2	1.988	40.37	39.71	40.16	2.025	2.016	39.85	2.009	1.991
#3	1.984	40.75	40.03	40.28	2.024	2.020	39.96	2.011	1.982

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.979	1.991	1.935	2.019	2.048	2.003	1.996	2.000	2.018
Stddev	.002	.007	.001	.002	.005	.004	.004	.003	.002
%RSD	.1212	.3556	.0356	.0776	.2496	.2058	.1872	.1591	.0939
#1	1.978	1.987	1.934	2.018	2.052	2.006	1.997	2.001	2.016
#2	1.977	1.986	1.935	2.021	2.042	2.004	1.999	2.002	2.018
#3	1.981	1.999	1.934	2.019	2.050	1.999	1.991	1.996	2.019

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 1/6/2017 13:29:32 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1819.1	4401.6	34161.	7054.3
Stddev	4.7	5.3	28.	26.0
%RSD	.25698	.12121	.08272	.36831
#1	1815.5	4397.6	34179.	7036.3
#2	1817.4	4399.4	34129.	7084.1
#3	1824.4	4407.6	34175.	7042.7

Sample Name: CCB Acquired: 1/6/2017 13:35:50 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0010	.0009	.0002	.0001	.0022	.0002	.0003	.0002
Stddev	.0001	.0079	.0005	.0001	.0000	.0009	.0001	.0000	.0001
%RSD	102.7	835.2	62.69	38.46	24.76	40.66	56.64	18.05	75.52
#1	-0.001	-0.039	.0015	.0002	.0001	.0026	.0002	.0002	.0000
#2	.0000	-0.034	.0007	.0001	.0001	.0011	.0001	.0003	.0003
#3	-0.001	.0101	.0004	.0003	.0002	.0027	.0001	.0003	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0059	.0328	.0106	.0002	F .0012	.0026	.0003	-0.007
Stddev	.000	.0009	.0365	.0036	.0001	.0000	.0056	.0001	.0005
%RSD	140.4	14.63	111.2	34.31	31.43	2.942	213.4	45.11	71.72
#1	-0.001	.0058	-.0073	.0119	.0001	.0013	.0091	.0005	-.0006
#2	-0.001	.0067	.0415	.0134	.0002	.0012	-.0010	.0003	-.0012
#3	.0000	.0050	.0641	.0065	.0002	.0012	-.0002	.0002	-.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	-0.0007	-0.0004	-0.0001	.0001	.0003	.0011	.0003	.0002
Stddev	.0003	.0011	.0001	.0000	.0000	.0001	.0014	.0001	.0001
%RSD	53.00	160.4	17.74	67.17	21.74	17.42	120.3	49.32	36.98
#1	.0008	-.0008	-.0004	-.0001	.0001	.0003	.0003	.0001	.0002
#2	.0008	.0005	-.0003	-.0001	.0002	.0003	.0027	.0003	.0001
#3	.0002	-.0018	-.0004	.0000	.0001	.0004	.0004	.0004	.0002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 1/6/2017 13:35:50 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1970.7	4547.4	35103.	7289.9
Stddev	5.3	8.2	28.	28.3
%RSD	.27106	.18095	.07900	.38818
#1	1967.6	4545.7	35112.	7303.3
#2	1967.6	4540.2	35072.	7257.4
#3	1976.8	4556.4	35125.	7309.0

Sample Name: FA39964-3 Acquired: 1/6/2017 13:45:14 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.0895	-0.008	0.0099	-0.001	126.6	-0.002	-0.002	0.007
Stddev	.0001	.0128	.0001	.0000	.0000	.0	.0000	.0001	.0002
%RSD	70.19	14.34	11.16	.0801	34.44	.0321	10.18	96.47	33.14
#1	.0000	.0747	-.0007	.0099	-.0001	126.7	-.0002	-.0001	.0006
#2	-.0002	.0963	-.0009	.0099	-.0001	126.6	-.0002	.0000	.0006
#3	-.0001	.0975	-.0009	.0099	-.0001	126.6	-.0002	-.0003	.0010
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.009	0.0706	0.8970	0.6173	0.0032	0.019	4.444	0.001	0.027
Stddev	.0002	.0032	.0142	.0172	.0001	.0000	.024	.0001	.0009
%RSD	21.31	4.545	1.578	2.791	2.645	.4434	.5425	105.2	3.817
#1	-.0007	.0678	.9094	.6357	.0032	.0019	4.467	.0001	.0277
#2	-.0010	.0741	.9001	.6146	.0033	.0019	4.418	.0002	.0219
#3	-.0011	.0700	.8816	.6016	.0031	.0019	4.446	.0000	.0236
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.012	0.025	4.487	0.007	2.615	0.016	0.005	0.003	0.000
Stddev	.0017	.0003	.012	.0004	.026	.0001	.0007	.0004	.0001
%RSD	143.3	13.14	.2560	57.93	1.005	6.036	137.4	129.5	177.20
#1	-.0003	.0021	4.491	.0011	2.644	.0016	.0008	.0008	.0000
#2	.0030	.0027	4.474	.0004	2.608	.0016	.0010	.0001	.0000
#3	.0007	.0026	4.495	.0006	2.593	.0018	-.0003	.0001	.0001
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1852.7	4277.9	33515.	6926.6					
Stddev	2.6	9.5	166.	14.6					
%RSD	.13806	.22319	.49564	.21117					
#1	1855.2	4281.8	33384.	6919.9					
#2	1852.8	4284.9	33459.	6943.4					
#3	1850.1	4267.0	33702.	6916.5					

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Sample Name: FA39964-4 Acquired: 1/6/2017 13:49:56 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.000	0.0538	0.0094	0.0058	-0.001	60.30	-0.001	-0.001	0.007
Stddev	.0001	.0040	.0012	.0001	.0000	.34	.0001	.0000	.0003
%RSD	3089.	7.426	12.31	1.021	50.16	.5670	37.08	31.51	48.73
#1	-.0001	.0567	.0081	.0057	.0000	60.47	-.0002	-.0002	.0006
#2	-.0001	.0553	.0099	.0057	-.0001	59.90	-.0002	-.0002	.0004
#3	-.0001	.0492	.0103	.0058	-.0001	60.52	-.0001	-.0001	.0011
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.012	0.6999	1.755	1.545	0.100	0.005	4.927	0.001	-0.009
Stddev	.0001	.0007	.024	.012	.0000	.0002	.007	.0001	.0006
%RSD	12.39	.1059	1.362	.7465	.1322	33.48	.1484	61.57	60.21
#1	-.0012	.6703	1.752	1.555	.0100	.0007	4.925	.0001	-.0015
#2	-.0013	.6703	1.732	1.533	.0100	.0004	4.935	.0001	-.0004
#3	-.0010	.6690	1.780	1.548	.0100	.0004	4.921	.0003	-.0009
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.017	0.004	4.843	0.003	0.785	0.015	-0.010	0.002	0.014
Stddev	.0006	.0011	.026	.0000	.0014	.0003	.0004	.0002	.0000
%RSD	34.61	285.6	.5336	11.21	.1910	16.71	39.73	102.3	.7531
#1	.0024	-.0004	4.816	.0003	.7298	.0016	-.0008	.0000	.0014
#2	.0014	-.0001	4.847	.0003	.7287	.0013	-.0014	.0002	.0014
#3	.0013	.0016	4.867	.0003	.7271	.0017	-.0007	.0004	.0014
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1862.4	4295.8	33484.	6962.3					
Stddev	.9	15.6	131.	49.1					
%RSD	.05052	.36202	.39140	.70581					
#1	1861.9	4308.9	33627.	6935.4					
#2	1863.5	4299.8	33369.	7019.0					
#3	1861.8	4278.6	33457.	6932.5					

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Sample Name: FA39966-1F Acquired: 1/6/2017 13:54:27 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.0483	0.0068	0.0040	-0.001	2.076	-0.002	-0.001	0.007
Stddev	.0001	.0013	.0012	.0001	.0000	.013	.0000	.0001	.0002
%RSD	59.00	2.636	17.59	1.933	29.81	.6073	25.34	74.02	28.30
#1	-.0002	.0471	.0068	.0040	-.0001	2.066	-.0003	-.0001	.0004
#2	-.0001	.0496	.0080	.0039	.0000	2.072	-.0002	.0000	.0008
#3	-.0001	.0481	.0056	.0041	-.0001	2.090	-.0002	-.0002	.0007
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.804	3.334	1.368	1.631	0.091	-0.001	5.225	0.016	0.078
Stddev	.0003	.016	.013	.016	.0000	.0000	.016	.0002	.0009
%RSD	.1432	.4798	.9709	.9625	.1909	33.88	.3109	15.08	11.94
#1	.1803	3.326	1.357	1.613	.0091	-.0001	5.232	.0014	.0082
#2	.1807	3.323	1.363	1.640	.0091	-.0001	5.206	.0018	.0085
#3	.1802	3.352	1.383	1.641	.0091	-.0001	5.236	.0015	.0068
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.010	-0.004	4.404	0.008	0.103	0.001	-0.009	0.093	0.162
Stddev	.0005	.0028	.005	.0001	.0001	.0001	.0004	.0003	.0001
%RSD	51.89	765.3	.1072	15.54	.5217	73.83	45.46	2.973	.1213
#1	.0005	-.0024	4.400	.0008	.0102	.0001	-.0004	.0090	.1164
#2	.0015	-.0016	4.403	.0007	.0103	.0000	-.0010	.0096	.1161
#3	.0008	.0028	4.409	.0009	.0103	.0001	-.0012	.0093	.1162
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1906.3	4399.8	34201.	7101.3					
Stddev	5.8	10.0	129.	59.6					
%RSD	.30205	.22727	.37639	.83868					
#1	1904.5	4397.7	34318.	7158.2					
#2	1912.7	4410.7	34063.	7106.4					
#3	1901.6	4391.0	34220.	7039.4					

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Sample Name: FA39966-2F Acquired: 1/6/2017 13:58:55 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.0532	0.0024	0.0024	0.000	2.583	-0.002	-0.001	0.009
Stddev	.0001	.0021	.0004	.0002	.000	.007	.0000	.0000	.0003
%RSD	110.0	4.025	15.09	7.728	35.47	.2714	10.01	33.77	29.15
#1	.0000	.0553	.0022	.0024	-.0001	2.589	-.0002	-.0001	.0007
#2	.0000	.0534	.0022	.0022	.0000	2.586	-.0002	-.0001	.0012
#3	-.0002	.0510	.0028	.0026	.0000	2.575	-.0002	-.0001	.0007

Sample Name: FA39966-5F Acquired: 1/6/2017 14:03:25 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA39983-1 Acquired: 1/6/2017 14:07:55 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA39906-2 Acquired: 1/6/2017 14:12:25 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA39906-3 Acquired: 1/6/2017 14:16:55 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Table with 11 columns (Elem, Ag3280, Al3961, As1890, Ba4554, Be3130, Ca3179, Cd2265, Co2286, Cr2677) and 11 rows (IS Ref, Avg, Stddev, %RSD, #1, #2, #3, Int. Std., Avg, Stddev, %RSD, #1, #2, #3).

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Sample Name: FA39906-4 Acquired: 1/6/2017 14:21:21 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.0190	-.0018	.0230	.0000	95.94	-.0002	-.0001	.0010
Stddev	.000	.0072	.0010	.0001	.000	.39	.0000	.0001	.0002
%RSD	154.3	38.00	54.18	.4236	41.36	.4039	15.99	67.56	18.95
#1	.0000	.0239	-.0028	.0229	.0000	96.39	-.0002	-.0001	.0012
#2	.0000	.0224	-.0018	.0231	-.0001	95.69	-.0002	-.0002	.0008
#3	.0000	.0107	-.0009	.0230	-.0001	95.75	-.0003	-.0001	.0009
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0202	2.146	2.968	4.833	.0181	.0000	28.34	.0178	-.0003
Stddev	.0001	.003	.043	.052	.0000	.0001	.05	.0003	.0004
%RSD	.3357	.1199	1.433	1.086	.2550	159.3	.1744	1.414	135.5
#1	.0202	2.148	2.992	4.893	.0181	.0000	28.39	.0177	-.0007
#2	.0203	2.145	2.919	4.812	.0182	.0000	28.30	.0175	-.0004
#3	.0203	2.143	2.994	4.795	.0181	.0001	28.32	.0180	.0002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0008	.0012	8.258	.0007	.3349	.0010	-.0006	.0029	.0435
Stddev	.0007	.0022	.023	.0002	.0005	.0000	.0009	.0001	.0002
%RSD	94.06	193.5	.2787	22.77	.1607	2.606	164.6	3.689	.3450
#1	.0003	-.0001	8.283	.0009	.3343	.0010	-.0014	.0030	.0433
#2	.0004	.00037	8.238	.0006	.3349	.0010	-.0008	.0028	.0436
#3	.0016	-.0001	8.252	.0007	.3354	.0009	.0005	.0028	.0436
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1832.5	4283.2	3354.3	6841.8					
Stddev	3.8	19.3	49.	29.2					
%RSD	.20527	.45063	.14661	.42721					
#1	1829.3	4261.4	3355.4	6817.4					
#2	1831.5	4298.2	3358.5	6833.9					
#3	1836.6	4290.0	3348.9	6874.2					

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Sample Name: CCV Acquired: 1/6/2017 14:25:47 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2561	41.59	2.013	2.093	2.084	42.43	2.053	2.056	2.089
Stddev	.0009	.08	.007	.004	.004	.07	.005	.004	.005
%RSD	.3382	.1856	.3545	.2042	.2060	.1544	.2413	.1945	.2304
#1	.2567	41.52	2.011	2.088	2.085	42.42	2.053	2.053	2.093
#2	.2551	41.59	2.007	2.096	2.080	42.38	2.048	2.053	2.084
#3	.2564	41.67	2.021	2.096	2.088	42.50	2.057	2.060	2.090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.030	42.01	41.05	42.24	2.079	2.070	41.17	2.038	2.036
Stddev	.005	.07	.11	.10	.004	.004	.04	.005	.003
%RSD	.2545	.1778	.2586	.2411	.1862	.2118	.0976	.2401	.1269
#1	2.031	42.03	41.05	42.19	2.084	2.068	41.15	2.039	2.034
#2	2.025	41.93	40.95	42.17	2.077	2.067	41.14	2.033	2.039
#3	2.035	42.07	41.16	42.35	2.077	2.075	41.21	2.043	2.035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.011	2.016	1.964	2.082	2.097	2.049	2.043	2.048	2.096
Stddev	.003	.007	.005	.003	.003	.001	.007	.006	.004
%RSD	.1269	.3480	.2501	.1428	.1478	.0593	.3610	.2988	.2118
#1	2.012	2.012	1.962	2.079	2.095	2.050	2.043	2.053	2.093
#2	2.008	2.013	1.960	2.081	2.096	2.047	2.035	2.042	2.094
#3	2.012	2.024	1.970	2.085	2.101	2.049	2.050	2.050	2.101
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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7.1
7

Sample Name: CCV Acquired: 1/6/2017 14:25:47 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1788.6	4367.3	3367.9	6842.6
Stddev	4.2	5.7	58.	22.0
%RSD	.23554	.12971	.17359	.32158
#1	1790.6	4369.6	3368.8	6847.6
#2	1783.8	4371.4	3373.2	6861.6
#3	1791.5	4360.8	3361.6	6818.5

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Sample Name: CCB Acquired: 1/6/2017 14:29:57 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	-.0016	.0002	.0003	.0002	.0042	.0000	.0001	.0000
Stddev	.0001	.0040	.0010	.0000	.0000	.0023	.000	.0001	.000
%RSD	72.35	247.1	447.3	5.161	5.275	55.72	148.2	139.0	2726.0
#1	-.0002	-.0019	-.0002	.0003	.0002	.0067	.0000	.0001	.0001
#2	-.0002	.0025	-.0006	.0003	.0002	.0035	.0000	.0001	-.0001
#3	.0000	-.0054	.0014	.0003	.0001	.0022	-.0001	.0000	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	.0078	.0443	-.0025	.0002	F .0012	.0082	.0001	-.0003
Stddev	.0000	.0009	.0190	.0170	.0000	.0003	.0039	.0001	.0006
%RSD	5.322	12.06	42.84	671.1	26.02	25.52	48.20	66.59	242.2
#1	-.0003	.0087	.0562	-.0002	.0002	.0016	.0038	.0002	.0003
#2	-.0004	.0076	.0224	-.0206	.0001	.0012	.0114	.0000	-.0001
#3	-.0004	.0069	.0544	.0131	.0001	.0009	.0093	.0002	-.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-.0010			
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.0004	.0000	.0001	.0002	.0003	-.0003	.0002	.0001
Stddev	.0014	.0006	.0005	.0002	.0000	.0001	.0007	.0002	.0000
%RSD	148.4	166.1	1208.	193.6	25.63	29.61	258.9	113.4	32.07
#1	.0025	.0000	.0002	-.0001	.0002	.0002	.0005	.0000	.0001
#2	-.0002	.0000	-.0005	.0001	.0001	.0004	-.0005	.0005	.0001
#3	.0006	.0010	.0005	.0004	.0002	.0004	-.0008	.0001	.0001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 1/6/2017 14:29:57 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1976.6	4595.2	35348.	7207.4
Stddev	2.8	7.1	131.	11.4
%RSD	.14051	.15460	.37026	.15837
#1	1975.7	4603.3	35290.	7194.3
#2	1979.7	4590.6	35498.	7215.0
#3	1974.4	4591.5	35257.	7212.9

Sample Name: CCV Acquired: 1/6/2017 14:34:47 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.2502	39.89	1.973	2.023	2.014	40.78	2.004	2.000	2.017
Stddev	.0011	.18	.004	.006	.006	.13	.003	.003	.007
%RSD	.4293	.4498	.2216	.3031	.3187	.3158	.1486	.1598	.3505
#1	.2510	40.06	1.969	2.028	2.018	40.90	2.003	1.998	2.024
#2	.2505	39.90	1.972	2.024	2.018	40.79	2.008	2.004	2.010
#3	.2489	39.71	1.977	2.016	2.007	40.64	2.002	1.998	2.017

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	1.966	40.40	39.88	40.25	2.034	2.020	40.01	1.993	1.982
Stddev	.011	.15	.21	.20	.007	.005	.12	.004	.005
%RSD	.5422	.3650	.5355	.5032	.3365	.2315	.2883	.2063	.2479
#1	1.976	40.53	40.02	40.42	2.042	2.017	40.10	1.989	1.980
#2	1.968	40.43	39.98	40.31	2.033	2.025	40.05	1.997	1.988
#3	1.955	40.24	39.63	40.03	2.028	2.018	39.88	1.993	1.980

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	1.977	1.976	1.922	2.024	2.032	2.013	1.993	1.998	2.032
Stddev	.003	.006	.007	.003	.007	.006	.002	.006	.004
%RSD	.1618	.3181	.3661	.1663	.3547	.2891	.1112	.3196	.1760
#1	1.973	1.969	1.915	2.026	2.038	2.015	1.992	2.003	2.031
#2	1.978	1.978	1.930	2.025	2.034	2.017	1.996	1.999	2.036
#3	1.979	1.981	1.922	2.020	2.024	2.006	1.992	1.991	2.030

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

7.1
7

Sample Name: CCV Acquired: 1/6/2017 14:34:47 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1836.0	4459.5	34516.	7101.7
Stddev	3.2	9.1	255.	21.7
%RSD	.17615	.20450	.73925	.30549
#1	1839.2	4469.8	34227.	7078.5
#2	1832.7	4452.5	34607.	7105.2
#3	1836.0	4456.2	34712.	7121.4

Sample Name: CCB Acquired: 1/6/2017 14:40:48 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0003	.0025	.0006	.0002	.0002	.0025	.0000	.0001	.0000
Stddev	.0002	.0075	.0002	.0000	.0000	.0017	.000	.0000	.0001
%RSD	91.66	298.5	37.86	26.09	17.50	69.30	207.4	78.95	563.0
#1	.0005	.0034	.0006	.0001	.0002	.0041	.0000	.0001	.0000
#2	.0000	.0095	.0004	.0002	.0002	.0025	.0000	.0000	.0001
#3	.0003	-.0054	.0009	.0002	.0002	.0007	.0000	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	-.0004	.0072	.0389	.0139	.0001	.0005	.0020	.0001	-.0005
Stddev	.0003	.0020	.0073	.0037	.0000	.0002	.0042	.0001	.0003
%RSD	68.67	28.27	18.74	26.94	32.46	34.75	212.0	80.92	67.98
#1	-.0001	.0072	.0339	.0167	.0002	.0006	.0030	.0001	-.0007
#2	-.0007	.0053	.0357	.0096	.0001	.0006	.0056	.0002	-.0001
#3	-.0005	.0093	.0473	.0153	.0001	.0003	-.0026	.0000	-.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.0007	-.0005	.0000	.0002	.0002	.0002	F.0023	.0003	.0000
Stddev	.0004	.0012	.000	.0004	.0001	.0001	.0009	.0001	.0001
%RSD	58.94	247.5	1280.	158.9	33.03	54.44	40.15	50.11	217.8
#1	.0010	-.0001	-.0003	.0004	.0003	.0001	.0019	.0003	.0000
#2	.0002	.0005	.0000	-.0002	.0001	.0001	.0016	.0001	.0001
#3	.0008	-.0018	.0002	.0004	.0002	.0003	.0033	.0004	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 1/6/2017 14:40:48 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1967.5	4600.2	3507.4	7089.2
Stddev	2.2	5.6	88.	32.0
%RSD	.11311	.12136	.25101	.45127

#1	1969.8	4604.3	35001.	7057.9
#2	1965.3	4602.5	35171.	7121.9
#3	1967.3	4593.9	35049.	7087.7

Sample Name: FA39906-6 Acquired: 1/6/2017 14:49:22 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	.0000	.0148	-.0013	.0152	.0000	81.27	-.0001	-.0001	.0011
Stddev	.0002	.0029	.0004	.0001	.000	.29	.0000	.0001	.0002
%RSD	325.4	19.52	33.39	8294	184.2	.3517	9.278	153.8	14.80

#1	.0002	.0123	-.0008	.0151	.0000	80.94	-.0001	-.0002	.0010
#2	.0000	.0142	-.0016	.0153	.0000	81.48	-.0001	-.0001	.0013
#3	-.0001	.0180	-.0014	.0153	.0000	81.38	-.0001	.0001	.0012

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0014	2.656	1.470	3.851	.0107	.0007	53.50	.0097	-.0024
Stddev	.0002	.018	.015	.009	.0000	.0001	.11	.0001	.0008
%RSD	12.57	.6794	1.035	.2328	.2149	13.30	2.130	1.385	33.88

#1	-.0015	2.646	1.456	3.841	.0108	.0007	53.56	.0096	-.0033
#2	-.0012	2.677	1.467	3.857	.0108	.0008	53.56	.0097	-.0024
#3	-.0015	2.646	1.486	3.856	.0107	.0006	53.36	.0099	-.0016

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	
Avg	.0016	.0010	9.105	.0003	.3615	.0012	.0000	.0019	.0056
Stddev	.0006	.0011	.115	.0003	.0011	.0002	.0015	.0002	.0001
%RSD	37.77	107.9	1.259	123.7	.3107	14.59	5911.	9.664	1.270

#1	.0010	.0010	9.186	.0006	.3626	.0011	-.0015	.0019	.0056
#2	.0015	.0021	9.155	-.0001	.3617	.0014	.0001	.0021	.0055
#3	.0022	-.0001	8.974	.0003	.3603	.0011	.0015	.0017	.0057

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	1845.0	4312.1	33597.	6830.3
Stddev	8.9	31.7	67.	17.8
%RSD	48381	.73400	.19823	.26103

#1	1838.7	4290.1	33574.	6848.9
#2	1841.0	4297.9	33544.	6813.4
#3	1855.2	4348.4	33672.	6828.6

Sample Name: FA39906-5 Acquired: 1/6/2017 14:44:53 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0002	.0180	.0001	.0171	.0001	90.51	-.0001	.0000	.0019
Stddev	.0003	.0023	.0018	.0001	.0001	.25	.0001	.000	.0002
%RSD	144.1	13.04	2261.	.7863	46.80	.2817	60.30	295.0	10.95

#1	-.0005	.0181	.0007	.0173	.0002	90.62	.0000	.0001	.0021
#2	-.0002	.0203	.0015	.0171	.0001	90.22	-.0002	.0000	.0021
#3	.0001	.0156	-.0020	.0170	.0001	90.70	-.0002	-.0002	.0017

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0822	1.873	2.708	4.571	.0209	.0005	35.32	.0101	.0027
Stddev	.0006	.009	.013	.037	.0001	.0000	.07	.0002	.0003
%RSD	.6864	.4727	.4781	.8186	.4884	3.914	.1876	2.069	11.76

#1	.0823	1.866	2.720	4.574	.0208	.0005	35.37	.0101	.0023
#2	.0827	1.872	2.711	4.532	.0208	.0005	35.25	.0102	.0028
#3	.0816	1.883	2.694	4.606	.0210	.0005	35.34	.0098	.0029

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0010	.0013	9.612	.0004	.3658	.0014	.0009	.0027	.0433
Stddev	.0009	.0009	.022	.0004	.0006	.0001	.0021	.0003	.0000
%RSD	87.55	67.77	.2340	120.0	.1752	7.094	241.3	11.05	.1075

#1	.0004	.0007	9.636	.0005	.3664	.0013	-.0015	.0025	.0433
#2	.0006	.0008	9.607	.0007	.3652	.0015	.0015	.0026	.0433
#3	.0020	.0023	9.592	-.0001	.3658	.0013	.0026	.0030	.0434

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	1852.5	4327.5	33818.	6904.0
Stddev	3.5	15.9	113.	15.2
%RSD	.18643	.36843	.33472	.22011

#1	1850.1	4312.3	33866.	6908.5
#2	1850.9	4326.1	33689.	6916.4
#3	1856.4	4344.1	33899.	6887.0

Sample Name: MP31440-MB2A Acquired: 1/6/2017 14:53:53 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0067	-.0019	.0001	-.0001	.0366	-.0002	-.0003	.0002
Stddev	.0001	.0050	.0010	.0002	.0000	.0020	.0000	.0001	.0002
%RSD	6120.	74.63	53.01	425.8	39.08	5.515	21.45	22.99	116.3

#1	.0000	-.0097	-.0030	.0001	.0000	.0355	-.0001	-.0002	.0001
#2	-.0001	-.0009	-.0011	-.0002	-.0001	.0355	-.0002	-.0003	.0000
#3	.0001	-.0096	-.0016	.0002	-.0001	.0390	-.0002	-.0003	.0004

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014	.0043	.0457	.0070	.0002	-.0003	.0694	-.0002	-.0005
Stddev	.0002	.0019	.0031	.0061	.0000	.0000	.0067	.0002	.0003
%RSD	13.07	43.89	6.870	87.73	23.40	12.32	9.633	78.35	69.50

#1	.0014	.0064	.0450	.0000	.0002	-.0003	.0640	-.0004	-.0002
#2	.0016	.0032	.0491	.0095	.0002	-.0002	.0673	-.0001	-.0005
#3	.0013	.0031	.0429	.0114	.0003	-.0003	.0769	-.0001	-.0008

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	-.0007	3.005	.0003	.0002	.0000	-.0001	-.0002	.0058
Stddev	.0007	.0015	.004	.0002	.0000	.0001	.0018	.0002	.0001
%RSD	101.7	204.4	.1341	56.22	15.22	407.6	1510.	96.45	1.855

#1	.0005	-.0008	3.007	.0005	.0002	-.0001	.0019	-.0003	.0057
#2	.0001	-.0008	3.001	.0002	.0002	-.0000	-.0017	.0000	.0059
#3	.0015	-.0022	3.008	.0002	.0001	.0001	-.0006	-.0002	.0058

Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Sample Name: MP31440-MB2A Acquired: 1/6/2017 14:53:53 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1904.6	4424.0	34064.	6993.5
Stddev	.9	6.8	13.	32.3
%RSD	.04933	.15423	.03834	.46183
#1	1903.6	4420.8	34077.	7026.5
#2	1904.9	4431.8	34065.	6991.8
#3	1905.4	4419.3	34051.	6962.0

Sample Name: MP31440-MB1 Acquired: 1/6/2017 14:58:25 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm
Avg	-0.003	-0.023	-0.010	-0.001	-0.001	0.148	-0.002	-0.004
Stddev	.0003	.0029	.0006	.0001	.0001	.0035	.0000	.0001
%RSD	77.03	124.2	58.84	79.87	49.17	23.45	12.06	18.07
#1	-0.006	-0.056	-0.011	-0.001	-0.001	0.119	-0.002	-0.004
#2	-0.001	-0.003	-0.015	-0.001	.0000	0.139	-0.002	-0.004
#3	-0.003	-0.011	-0.004	.0000	-0.001	0.187	-0.002	-0.005

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem Units	Cr2677 ppm	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm
Avg	.0003	.0050	.0079	.0070	.0050	.0001	-0.004	.0145
Stddev	.0002	.0001	.0012	.0176	.0140	.0000	.0001	.0069
%RSD	62.96	2.148	15.36	250.8	278.4	10.33	37.82	48.05
#1	.0001	.0051	.0089	.0247	.0203	.0002	-0.003	.0159
#2	.0005	.0049	.0082	.0106	-0.072	.0001	-0.003	.0206
#3	.0003	.0050	.0066	-0.106	.0020	.0001	-0.006	.0069

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem Units	Ni2316 ppm	Pb2203 ppm	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm
Avg	-0.0006	-0.0037	.0006	.0005	19.51	.0001	.0000	.0000
Stddev	.0001	.0002	.0013	.0014	.03	.0001	.000	.000
%RSD	9.777	6.501	212.2	267.1	.1555	181.0	228.5	384.6
#1	-0.006	-0.035	-0.003	.0019	19.51	.0002	-0.001	.0000
#2	-0.005	-0.040	.0021	.0007	19.54	.0000	.0000	.0000
#3	-0.006	-0.036	.0000	-0.010	19.48	.0000	.0000	-0.001

Check ? High Limit Low Limit
 Chk Pass Chk Fail Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass

Sample Name: MP31440-MB1 Acquired: 1/6/2017 14:58:25 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	-0.0013	.0002	.0008
Stddev	.0013	.0003	.0000
%RSD	95.92	142.0	2.802
#1	-0.0006	-0.0001	.0008
#2	-0.0028	.0002	.0008
#3	-0.0006	.0005	.0008

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1924.0	4491.5	34244.	7042.0
Stddev	3.2	1.9	73.	35.6
%RSD	.16651	.04300	.21174	.50496
#1	1927.0	4491.1	34236.	7040.9
#2	1920.6	4489.8	34177.	7007.0
#3	1924.2	4493.6	34321.	7078.1

Sample Name: MP31446-B1 Acquired: 1/6/2017 15:02:58 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem Units	Ag3280 ppm	Al3961 ppm	As1890 ppm	Ba4554 ppm	Be3130 ppm	Ca3179 ppm	Cd2265 ppm	Co2286 ppm	Cr2677 ppm
Avg	.0479	28.84	1.990	2.135	.0532	27.61	.0505	.5079	.2084
Stddev	.0003	.08	.002	.010	.0002	.10	.0001	.0012	.0006
%RSD	.7022	.2777	.1211	.4520	.4558	.3592	.2533	.2380	.3004
#1	.0482	28.83	1.993	2.142	.0534	27.52	.0506	.5093	.2079
#2	.0478	28.92	1.990	2.138	.0530	27.72	.0505	.5072	.2083
#3	.0475	28.76	1.988	2.124	.0531	27.60	.0503	.5072	.2091

Check ? Value Range
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem Units	Cu3247 ppm	Fe2599 ppm	K_7664 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.2635	28.36	26.52	26.86	.5253	.5287	26.44	.5101	.4911
Stddev	.0006	.06	.17	.13	.0012	.0005	.13	.0002	.0004
%RSD	.2183	.2114	.6399	.4659	.2278	.0971	.5028	.0420	.0853
#1	.2637	28.42	26.70	26.72	.5267	.5293	26.60	.5103	.4916
#2	.2639	28.37	26.37	26.97	.5246	.5282	26.35	.5099	.4907
#3	.2629	28.30	26.48	26.89	.5246	.5286	26.39	.5100	.4911

Check ? Value Range
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem Units	Sb2068 ppm	Se1960 ppm	Si2124 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.5033	1.963	19.16	.5354	.5279	.5284	1.976	.5027	.5198
Stddev	.0012	.007	.02	.0007	.0021	.0020	.011	.0008	.0016
%RSD	.2296	.3493	.1182	.1373	.4029	.3706	.5488	.1580	.3041
#1	.5040	1.966	19.19	.5362	.5304	.5306	1.987	.5030	.5216
#2	.5019	1.955	19.16	.5348	.5267	.5275	1.977	.5017	.5188
#3	.5038	1.967	19.14	.5353	.5267	.5270	1.965	.5032	.5189

Check ? Value Range
 Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass

7.1
7

Sample Name: MP31446-B1 Acquired: 1/6/2017 15:02:58 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3710 Cts/S
Avg	1848.7	4443.2	34159.	6962.0
Stddev	1.9	4.0	96.	19.1
%RSD	.10350	.08925	.28006	.27399

#1	1848.2	4442.2	34163.	6983.4
#2	1847.2	4439.8	34253.	6946.7
#3	1850.9	4447.6	34062.	6956.1

Sample Name: FA39978-3 Acquired: 1/6/2017 15:07:12 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_3710)	Cd2265 (Y_2243)	Co2286 (Y_2243)	Cr2677 (Y_3600)
IS Ref	-0.003	0.437	-0.004	0.753	0.000	2.730	0.018	0.050	0.009
Avg	-0.002	0.095	0.004	0.005	0.000	0.013	0.000	0.001	0.001
Stddev	0.002	0.0095	0.004	0.005	0.000	0.013	0.000	0.001	0.001
%RSD	62.69	21.62	110.7	65.67	59.31	4.613	2.122	1.976	9.644

#1	-0.004	0.521	-0.001	0.758	0.000	2.740	0.018	0.049	0.009
#2	-0.001	0.457	-0.002	0.748	0.000	2.716	0.019	0.051	0.009
#3	-0.004	0.335	-0.008	0.753	0.000	2.735	0.018	0.050	0.010

Elem	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3710)	Mn2576 (Y_3600)	Mo2020 (Y_2243)	Na5895 (Y_3710)	Ni2316 (Y_2243)	Pb2203 (In2306)
IS Ref	0.063	0.244	5.689	1.872	0.035	0.003	F 165.1	0.008	-0.023
Avg	0.001	0.034	0.331	0.171	0.000	0.002	1.3	0.002	0.005
Stddev	0.001	0.034	0.331	0.171	0.000	0.002	1.3	0.002	0.005
%RSD	2.024	14.13	5.824	9.120	0.965	73.26	0.7787	18.25	19.89

#1	0.064	0.223	5.315	2.021	0.035	0.004	166.4	0.010	-0.027
#2	0.063	0.284	5.808	1.686	0.035	0.003	163.8	0.007	-0.018
#3	0.062	0.225	5.945	1.910	0.035	0.001	165.1	0.008	-0.025

Elem	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_2243)	Sr4077 (Y_3710)	Ti3349 (Y_3600)	Tl1908 (In2306)	V_2924 (Y_3600)	Zn2062 (Y_2243)
IS Ref	0.009	0.014	18.82	0.006	0.547	0.001	0.004	0.002	1.634
Avg	0.008	0.001	0.1	0.003	0.001	0.001	0.013	0.002	0.004
Stddev	0.008	0.001	0.1	0.003	0.001	0.001	0.013	0.002	0.004
%RSD	84.03	9.590	0.771	39.24	0.1508	65.97	292.7	85.78	2.221

#1	0.017	0.015	18.80	0.009	0.547	0.002	0.017	0.004	1.630
#2	0.001	0.013	18.83	0.006	0.546	0.001	-0.009	0.002	1.637
#3	0.010	0.013	18.82	0.004	0.546	0.001	0.005	0.000	1.635

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	1852.1	4373.2	34236.	7006.5
Stddev	6.3	5.4	63.	54.1
%RSD	.33930	.12311	.18332	.77234

#1	1844.9	4367.1	34216.	6947.2
#2	1856.3	4374.8	34307.	7053.3
#3	1855.2	4377.5	34186.	7018.9

Sample Name: MP31446-D1 Acquired: 1/6/2017 15:11:51 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_3600)	Cr2677 (Y_3600)
IS Ref	-0.003	0.440	-0.011	0.749	-0.001	2.828	0.019	0.050	0.007
Avg	-0.002	0.049	-0.009	0.002	0.001	0.17	0.000	0.001	0.001
Stddev	0.002	0.049	-0.009	0.002	0.001	0.17	0.000	0.001	0.001
%RSD	59.52	11.23	86.94	3.230	121.7	5.879	1.414	2.312	13.05

#1	-0.005	0.425	-0.021	0.746	-0.001	2.846	0.019	0.049	0.007
#2	-0.001	0.496	-0.008	0.751	0.000	2.813	0.019	0.050	0.008
#3	-0.003	0.400	-0.003	0.750	-0.001	2.825	0.018	0.051	0.007

Elem	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_3710)	Na5895 (Y_2243)	Ni2316 (In2306)	Pb2203 (In2306)
IS Ref	0.058	0.204	5.728	3.857	0.045	-0.002	F 167.6	0.009	-0.029
Avg	0.001	0.008	0.280	0.069	0.000	0.001	3.6	0.000	0.003
Stddev	0.001	0.008	0.280	0.069	0.000	0.001	3.6	0.000	0.003
%RSD	2.515	3.830	4.891	1.799	0.2605	37.86	2.163	2.966	10.93

#1	0.058	0.209	5.834	3.839	0.045	-0.001	171.3	0.009	-0.030
#2	0.060	0.195	5.411	3.799	0.045	-0.002	167.6	0.010	-0.031
#3	0.057	0.208	5.940	3.934	0.045	-0.003	164.0	0.010	-0.025

Elem	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_3710)	Sr4077 (Y_3600)	Ti3349 (In2306)	Tl1908 (Y_3600)	V_2924 (Y_2243)	Zn2062 (Y_2243)
IS Ref	0.012	0.008	17.96	0.008	0.056	0.001	-0.006	0.000	1.629
Avg	0.005	0.014	0.1	0.003	0.002	0.000	0.011	0.001	0.02
Stddev	0.005	0.014	0.1	0.003	0.002	0.000	0.011	0.001	0.02
%RSD	41.80	163.9	0.338	34.02	0.2927	33.54	195.6	121.0	1412

#1	0.016	-0.006	17.96	0.005	0.057	0.001	-0.004	-0.001	1.629
#2	0.015	0.009	17.97	0.008	0.0565	0.002	-0.017	0.002	1.626
#3	0.006	0.021	17.96	0.010	0.0564	0.001	0.004	-0.001	1.631

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	1860.2	4386.2	34445.	7128.2
Stddev	4.8	8.1	77.	52.8
%RSD	.25549	.18428	.22438	.74066

#1	1859.2	4380.9	34362.	7069.7
#2	1865.4	4395.5	34460.	7172.4
#3	1856.0	4382.1	34514.	7142.5

Sample Name: MP31446-SD1 Acquired: 1/6/2017 15:16:30 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280 (Y_3600)	Al3961 (Y_3710)	As1890 (Y_2243)	Ba4554 (Y_3710)	Be3130 (Y_3710)	Ca3179 (Y_2243)	Cd2265 (Y_2243)	Co2286 (Y_3600)	Cr2677 (Y_3600)
IS Ref	-0.017	0.544	0.007	0.687	-0.003	2.515	0.014	0.044	0.002
Avg	-0.013	0.165	0.060	0.004	0.000	0.08	0.002	0.005	0.003
Stddev	-0.013	0.165	0.060	0.004	0.000	0.08	0.002	0.005	0.003
%RSD	76.47	30.38	914.7	5.965	9.525	3.103	16.19	10.35	137.1

#1	-0.002	0.686	0.074	0.689	-0.003	2.509	0.011	0.044	-0.001
#2	-0.021	0.363	-0.040	0.682	-0.002	2.524	0.014	0.049	0.005
#3	-0.027	0.582	-0.015	0.689	-0.002	2.513	0.015	0.040	0.003

Elem	Cu3247 (Y_3600)	Fe2599 (Y_3710)	K_7664 (Y_3710)	Mg2790 (Y_3600)	Mn2576 (Y_2243)	Mo2020 (Y_3710)	Na5895 (Y_2243)	Ni2316 (Y_2243)	Pb2203 (In2306)
IS Ref	0.045	0.137	6.723	1.842	0.031	-0.015	155.2	0.018	-0.036
Avg	0.005	0.036	1.172	0.354	0.000	0.004	3	0.004	0.028
Stddev	0.005	0.036	1.172	0.354	0.000	0.004	3	0.004	0.028
%RSD	11.73	26.68	17.44	19.24	0.9870	25.55	2232	22.68	78.62

#1	0.049	0.143	7.330	2.033	0.032	-0.019	155.5	0.023	-0.067
#2	0.046	0.097	5.371	2.061	0.031	-0.011	154.9	0.015	-0.023
#3	0.039	0.169	7.467	1.433	0.031	-0.015	155.3	0.016	-0.016

Elem	Sb2068 (Y_2243)	Se1960 (Y_2243)	Si2124 (Y_2243)	Sn1899 (Y_3710)	Sr4077 (Y_3600)	Ti3349 (In2306)	Tl1908 (Y_3600)	V_2924 (Y_2243)	Zn2062 (Y_2243)
IS Ref	0.027	-0.023	17.25	0.002	0.050	-0.007	0.049	-0.007	1.545
Avg	0.026	0.033	0.0	0.014	0.003	0.001	0.089	0.009	0.003
Stddev	0.026	0.033	0.0	0.014	0.003	0.001	0.089	0.009	0.003
%RSD	95.30	142.2	0.191	726.9	5.824	17.25	182.3	122.6	1648

#1	0.018	-0.058	17.25	-0.012	0.053	-0.009	0.061	-0.008	1.546
#2	0.056	-0.019	17.25	0.016	0.049	-0.006	0.131	-0.015	1.542
#3	0.007	0.008	17.25	0.002	0.050	-0.008	-0.045	0.002	1.547

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	1961.2	4580.3	35262.	7158.1
Stddev	4.5	5.8	115.	23.3
%RSD	.22929	.12567	.32713	.32541

#1	1962.2	4575.1	35212.	7137.8
#2				

Sample Name: MP31446-S1 Acquired: 1/6/2017 15:21:00 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0491	29.01	2.057	2.209	.0536	30.06	.0527	5.146	2.083
Stddev	.0004	.07	.011	.002	.0002	.09	.0002	.0026	.0014
%RSD	.9085	.2269	.5303	.0819	.3398	.2973	.3388	.5071	.6607
#1	.0488	28.95	2.046	2.210	.0534	29.96	.0525	5.117	2.084
#2	.0496	29.08	2.059	2.207	.0537	30.14	.0528	5.155	2.069
#3	.0490	29.00	2.067	2.210	.0538	30.08	.0528	5.167	2.097
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.684	28.34	27.48	26.72	5.200	5.326	F 192.0	5.134	4.982
Stddev	.0011	.08	.09	.14	.0009	.0027	2.8	.0013	.0016
%RSD	.3942	.2975	.3205	.5399	.1726	.5005	1.479	.2458	.3287
#1	2.676	28.25	27.49	26.56	.5211	5.296	188.9	5.119	4.965
#2	2.681	28.42	27.56	26.83	.5196	5.338	192.9	5.139	4.982
#3	2.696	28.35	27.39	26.79	.5194	5.345	194.3	5.143	4.998
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.160	2.041	18.05	5.337	5.537	5.239	1.988	4.993	2.131
Stddev	.0010	.015	.11	.0022	.0010	.0005	.016	.0019	.006
%RSD	.2024	.7088	.6267	.4194	.1708	.0964	.8203	.3777	.2863
#1	5.155	2.024	17.92	5.316	.5856	5.238	1.971	5.015	2.125
#2	5.153	2.048	18.10	5.335	.5855	5.244	1.989	4.985	2.132
#3	5.172	2.050	18.13	5.361	.5839	5.234	2.003	4.980	2.137
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1764.9	4297.4	33720	6885.6					
Stddev	8.5	18.7	138.	42.7					
%RSD	.48249	.43558	.40782	.61957					
#1	1774.3	4317.8	33722.	6934.4					
#2	1762.6	4293.2	33856.	6855.9					
#3	1757.7	4281.0	33581.	6866.4					

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Sample Name: CCV Acquired: 1/6/2017 15:29:45 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.516	40.86	1.980	2.042	2.051	41.73	2.024	2.019	2.062
Stddev	.0006	.15	.005	.009	.010	.20	.004	.001	.005
%RSD	.2527	.3608	.2515	.4282	.4772	.4789	.2075	.0456	.2234
#1	.2518	40.85	1.980	2.047	2.049	41.66	2.025	2.020	2.063
#2	.2521	41.02	1.986	2.047	2.061	41.95	2.028	2.019	2.058
#3	.2509	40.72	1.976	2.032	2.042	41.57	2.020	2.018	2.067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	Range	Range	Range	Range	Range	Range	Range	Range	Range
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.997	41.40	40.42	41.81	2.051	2.030	40.34	2.009	2.013
Stddev	.005	.17	.16	.32	.004	.002	.13	.004	.006
%RSD	.2757	.4177	.4074	.7639	.2087	.0932	.3314	.2175	.3152
#1	1.999	41.37	40.37	41.62	2.055	2.028	40.34	2.010	2.021
#2	2.000	41.59	40.60	42.18	2.050	2.032	40.47	2.012	2.010
#3	1.990	41.25	40.28	41.64	2.047	2.030	40.20	2.004	2.009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	Range	Range	Range	Range	Range	Range	Range	Range	Range
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.974	1.979	1.926	2.049	2.062	2.017	2.013	2.020	2.066
Stddev	.004	.007	.005	.003	.007	.007	.005	.004	.002
%RSD	.1888	.3321	.2425	.1338	.3249	.3475	.2488	.2107	.0766
#1	1.973	1.980	1.928	2.050	2.063	2.024	2.018	2.024	2.066
#2	1.978	1.984	1.928	2.051	2.067	2.018	2.011	2.019	2.067
#3	1.971	1.971	1.920	2.046	2.054	2.010	2.009	2.016	2.064
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	Range	Range	Range	Range	Range	Range	Range	Range	Range

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Sample Name: MP31446-S2 Acquired: 1/6/2017 15:25:23 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0481	28.74	2.058	2.197	.0535	29.75	.0528	5.119	2.057
Stddev	.0005	.10	.008	.013	.0001	.07	.0002	.0021	.0006
%RSD	1.121	.3380	.4032	.5742	.1164	.2350	.2982	.4078	.2930
#1	.0479	28.84	2.051	2.210	.0535	29.83	.0527	5.100	2.051
#2	.0476	28.71	2.055	2.196	.0536	29.70	.0528	5.116	2.063
#3	.0487	28.65	2.067	2.184	.0535	29.71	.0530	5.141	2.057
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.722	28.21	27.47	26.45	5.196	5.327	F 192.5	5.143	4.970
Stddev	.0010	.06	.05	.13	.0005	.0021	1.2	.0022	.0025
%RSD	.3570	.1981	.1649	.5073	.0960	.3992	.6316	.4202	.4970
#1	2.724	28.27	27.52	26.43	5.191	5.315	191.6	5.131	4.942
#2	2.731	28.17	27.47	26.59	5.195	5.314	192.0	5.129	4.978
#3	2.712	28.18	27.43	26.33	5.201	5.351	193.9	5.168	4.989
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.140	2.046	17.80	5.313	5.568	5.272	1.984	5.005	2.127
Stddev	.0023	.011	.07	.0018	.0014	.0021	.008	.0017	.004
%RSD	.4395	.5435	.3949	.3324	.2386	.3912	.3857	.3438	.1951
#1	5.149	2.045	17.76	5.297	.5884	5.268	1.976	4.991	2.122
#2	5.115	2.035	17.75	5.311	.5860	5.255	1.984	5.000	2.129
#3	5.157	2.057	17.88	5.332	.5859	5.295	1.991	5.024	2.130
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1775.1	4309.6	33948.	6956.3					
Stddev	8.6	21.6	45.	23.7					
%RSD	.48493	.50011	.13250	.34070					
#1	1783.8	4326.9	33965.	6981.9					
#2	1774.8	4316.5	33897.	6951.7					
#3	1766.6	4285.5	33982.	6935.2					

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Sample Name: CCV Acquired: 1/6/2017 15:29:45 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	1818.0	4445.9	34206.	6908.1					
Stddev	3.1	2.0	111.	24.0					
%RSD	.17280	.04413	.32573	.34750					
#1	1814.4	4448.1	34089.	6930.6					
#2	1819.4	4444.3	34218.	6882.8					
#3	1820.3	4445.5	34311.	6910.8					

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Sample Name: CCB Acquired: 1/6/2017 15:33:58 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.020	0.004	0.003	0.001	-0.028	0.000	0.000	0.003
Stddev	.0004	.0021	.0004	.0001	.0001	.0014	.000	.000	.0003
%RSD	222.4	106.0	97.28	43.54	79.46	49.35	162.6	283.0	92.47

#1 -0.001 .0018 .0002 .0002 .0000 -0.013 .0000 .0001 .0007
 #2 -0.002 .0041 .0002 .0004 .0001 -0.029 .0000 -0.001 .0003
 #3 -0.006 .0000 .0009 .0002 .0001 -0.041 -0.001 -0.001 .0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.056	0.263	-0.110	0.001	F -0.011	0.236	0.002	0.000
Stddev	.0002	.0007	.0481	.0073	.0000	.0004	.0078	.0001	.001
%RSD	95.28	12.76	182.8	66.59	39.96	34.44	33.17	53.22	2975.

#1 .0000 .0060 .0518 -.0193 .0000 .0015 .0326 .0002 .0000
 #2 -0.003 .0048 .0563 -.0055 .0001 .0009 .0199 .0001 -0.011
 #3 -0.003 .0060 -0.0291 -0.0082 .0001 .0008 .0184 .0003 .0010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit .0010
 Low Limit -0.010

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.008	-0.001	0.002	0.001	0.003	F -0.021	0.002	0.000
Stddev	.0015	.0006	.0001	.0003	.0001	.0001	.0004	.0002	.000
%RSD	925.9	73.28	92.21	157.7	60.42	28.80	18.49	153.5	183.8

#1 -0.013 .0007 .0000 -0.001 .0001 .0002 .0025 .0004 .0000
 #2 .0000 .0013 -0.002 .0005 .0000 .0003 .0022 .0001 .0000
 #3 .0017 .0003 -0.0002 .0002 .0001 .0002 .0017 .0000 -0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 High Limit .0020
 Low Limit -0.020

7.1
7

Sample Name: CCB Acquired: 1/6/2017 15:33:58 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1952.4	4565.3	34830.	6977.4
Stddev	3.5	10.4	78.	11.0
%RSD	.17682	.22805	.22469	.15775

#1 1956.2 4574.0 34758. 6965.6
 #2 1949.5 4568.1 34913. 6979.3
 #3 1951.4 4553.8 34820. 6987.4

Sample Name: FA39969-3L Acquired: 1/6/2017 15:38:30 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.120	0.001	0.052	0.000	3.439	-0.001	-0.002	0.002
Stddev	.0003	.0025	.0015	.0001	.0000	.010	.0000	.0001	.0001
%RSD	324.3	21.15	182.4	2.767	91.78	.2911	40.75	40.05	74.13

#1 .0002 .0143 -0.0005 .0053 .0000 3.448 -0.001 -0.003 .0002
 #2 -0.001 .0124 .0018 .0050 .0001 3.440 -0.001 -0.002 .0002
 #3 -0.003 .0093 -0.0010 .0052 .0000 3.428 -0.001 -0.002 .0000

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.777	0.051	19.20	1.317	0.104	0.001	F 151.1	-0.002	0.003
Stddev	.0005	.0014	.0122	.0057	.0000	.0003	.8	.0000	.0006
%RSD	695.1	26.64	6.375	4.325	.1866	323.7	.5583	23.23	201.8

#1 .0781 .0052 .1816 .1269 .0104 -0.001 152.0 -0.002 .0000
 #2 .0771 .0065 .1889 .1380 .0104 .0004 150.3 -0.002 .0010
 #3 .0780 .0037 .2055 .1303 .0104 .0000 151.1 -0.002 -0.001

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.003	0.006	17.89	0.009	0.371	0.003	0.002	0.003	0.011
Stddev	.0005	.0013	.01	.0002	.0002	.0001	.0007	.0002	.0003
%RSD	165.4	215.6	.0826	26.78	.5708	36.45	389.6	78.98	.4959

#1 .0005 .0012 17.90 .0012 .0373 .0002 .0009 .0003 .0514
 #2 -0.003 -0.0009 17.90 .0007 .0368 .0004 -0.001 .0004 .0511
 #3 .0007 .0015 17.88 .0008 .0371 .0003 -0.003 .0001 .0509

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1866.0	4408.2	34381.	7023.4
Stddev	7.3	6.8	105.	55.7
%RSD	.39031	.15392	.30668	.79270

#1 1861.4 4403.5 34310. 6970.0
 #2 1874.4 4416.0 34502. 7019.0
 #3 1862.2 4405.0 34330. 7081.1

Sample Name: FA40015-1 Acquired: 1/6/2017 15:43:08 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	0.172	-0.019	0.833	0.000	214.5	-0.001	-0.004	0.016
Stddev	.0004	.0167	.0008	.0023	.0000	.7	.0000	.0001	.0001
%RSD	174.3	23.48	43.85	.2726	137.5	.3412	18.73	28.71	8.350

#1 -0.001 .0662 -0.013 .8438 .0000 213.6 -0.002 -0.005 .0014
 #2 .0001 .0898 -0.016 .8409 .0000 215.0 -0.001 -0.003 .0017
 #3 -0.006 .0575 -0.028 .8454 .0000 214.8 -0.001 -0.003 .0016

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.057	0.038	6.309	0.062	0.001	0.017	31.04	-0.005	-0.040
Stddev	.0002	.0006	.046	.0043	.0000	.0002	.13	.0002	.0004
%RSD	4.176	16.41	.7347	68.76	57.83	13.96	.4312	33.63	9.620

#1 .0054 .0033 6.343 .0103 .0001 .0020 31.15 -0.003 -0.036
 #2 .0058 .0036 6.256 .0018 .0001 .0017 30.89 -0.005 -0.042
 #3 .0059 .0045 6.328 .0064 .0000 .0015 31.07 -0.006 -0.042

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.006	0.037	18.58	0.005	0.4573	0.002	-0.011	0.001	0.014
Stddev	.0008	.0005	.05	.0002	.0028	.0000	.0008	.0002	.0001
%RSD	124.1	14.68	.2438	40.27	.6074	3.900	71.65	145.4	8.923

#1 .0006 .0034 18.57 .0006 .4588 .0002 -0.014 -0.001 .0015
 #2 .0014 .0033 18.54 .0005 .4541 .0002 -0.017 .0003 .0013
 #3 -0.002 .0043 18.63 .0003 .4590 .0002 -0.002 .0002 .0016

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1829.4	4311.5	34027.	6982.4
Stddev	1.9	6.7	97.	5.1
%RSD	.10319	.15633	.28525	.07252

#1 1831.6 4310.9 34121. 6981.3
 #2 1828.6 4318.5 33927. 6978.0
 #3 1828.1 4305.0 34033. 6988.0

Sample Name: TC96732-1A Acquired: 1/6/2017 15:47:46 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.0238	.0014	.0403	.0000	238.8	.0004	.0035	.8574
Stddev	.0002	.0074	.0010	.0002	.000	1.8	.0000	.0001	.0030
%RSD	925.2	31.06	68.74	.5739	316.6	.7335	3.289	2.361	.3456
#1	.0003	.0210	.0005	.0403	.0000	237.8	.0004	.0035	.8601
#2	-.0001	.0322	.0025	.0401	.0000	240.8	.0004	.0036	.8542
#3	.0000	.0182	.0013	.0406	.0000	237.8	.0004	.0036	.8580
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0187	.0039	14.90	12.63	.0334	.0364	27.13	.0476	-.0041
Stddev	.0002	.0013	.02	.13	.0001	.0003	.12	.0004	.0008
%RSD	1.109	33.24	.1061	1.018	.3457	.8669	.4259	.8808	18.77
#1	.0190	.0026	14.89	12.51	.0336	.0360	27.00	.0481	-.0032
#2	.0187	.0039	14.91	12.61	.0334	.0367	27.18	.0473	-.0047
#3	.0185	.0052	14.92	12.76	.0334	.0364	27.21	.0474	-.0044
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0095	.0040	21.90	.0006	.2658	.0005	-.0009	.0088	.4183
Stddev	.0004	.0005	.06	.0002	.0006	.0002	.0016	.0001	.0005
%RSD	3.792	11.55	.2901	35.51	.2073	41.63	165.9	1.612	1.251
#1	.0099	.0038	21.97	.0007	.2655	.0003	-.0019	.0090	.4187
#2	.0094	.0037	21.87	.0004	.2654	.0005	-.0018	.0087	.4185
#3	.0092	.0046	21.85	.0008	.2664	.0007	.0009	.0087	.4177
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1813.9	4266.5	3370.1	6898.8					
Stddev	5.6	14.2	146.	19.8					
%RSD	.31027	.33216	.43224	.28729					
#1	1809.5	4255.7	33564.	6921.5					
#2	1812.0	4261.3	33854.	6884.8					
#3	1820.3	4282.6	33685.	6890.2					

Sample Name: MP31446-MB2 Acquired: 1/6/2017 15:56:54 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0063	-.0006	.0015	.0000	.0904	-.0002	-.0003
Stddev	.0003	.0059	.0009	.0002	.000	.0043	.0001	.0000
%RSD	104.1	94.16	144.8	11.36	24.50	4.792	36.74	9.374
#1	.0004	.0101	-.0017	.0017	.0000	.0952	-.0002	-.0004
#2	-.0001	-.0005	-.0002	.0014	.0000	.0892	-.0001	-.0004
#3	-.0002	.0092	.0000	.0015	.0000	.0867	-.0002	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0069	.0042	.0551	.0077	.0003	-.0004	F 87.59
Stddev	.0003	.0003	.0011	.0214	.0177	.0000	.0002	.27
%RSD	82.89	4.937	25.31	38.78	231.2	14.13	42.00	.3043
#1	.0000	.0072	.0032	.0362	.0172	.0004	-.0005	87.90
#2	.0005	.0070	.0041	.0783	.0185	.0003	-.0002	87.45
#3	.0006	.0065	.0054	.0507	-.0128	.0003	-.0005	87.42
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit								2.500
Low Limit								-2.500
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	F -.0043	-.0003	.0007	18.03	.0002	.0001	.0000
Stddev	.0000	.0003	.0007	.0009	.02	.0005	.0000	.000
%RSD	2.147	6.682	212.2	132.5	.0996	269.9	4.645	645.9
#1	-.0005	-.0041	.0003	.0006	18.03	-.0001	.0001	-.0001
#2	-.0005	-.0042	-.0002	.0016	18.02	.0007	.0001	-.0001
#3	-.0005	-.0046	-.0011	-.0002	18.05	-.0001	.0001	.0001
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit		.0025						
Low Limit		-.0025						

Sample Name: TC96732-2A Acquired: 1/6/2017 15:52:19 Type: Unk
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.0176	.0003	.0580	-.0001	256.2	.0003	.0017	.8030
Stddev	.0002	.0106	.0014	.0002	.0000	1.0	.0001	.0001	.0050
%RSD	641.4	60.18	536.0	.3389	40.72	.3943	21.26	4.487	.6239
#1	.0000	.0220	.0017	.0582	.0000	255.3	.0003	.0017	.8016
#2	.0002	.0055	.0003	.0580	-.0001	257.3	.0003	.0017	.8085
#3	-.0001	.0253	-.0012	.0578	-.0001	255.9	.0002	.0016	.7988
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1107	.0059	18.99	10.94	.0268	.0413	31.97	.0182	.0006
Stddev	.0003	.0003	.01	.05	.0001	.0002	.07	.0002	.0006
%RSD	.2618	4.840	.0713	.4415	.3089	.4330	.2173	1.092	109.9
#1	.1106	.0059	18.98	10.91	.0268	.0411	32.05	.0184	.0005
#2	.1110	.0056	19.00	10.99	.0269	.0415	31.91	.0181	.0000
#3	.1104	.0061	19.00	10.91	.0268	.0414	31.95	.0181	.0013
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0211	.0048	21.10	.0006	.3297	.0004	-.0008	.0063	.2234
Stddev	.0008	.0015	.03	.0004	.0010	.0001	.0019	.0000	.0005
%RSD	3.556	31.85	.1418	75.28	.2951	18.26	219.3	.4561	.2111
#1	.0218	.0035	21.09	.0006	.3306	.0004	.0013	.0063	.2236
#2	.0212	.0045	21.08	.0010	.3300	.0003	-.0017	.0063	.2229
#3	.0203	.0065	21.14	.0001	.3287	.0004	-.0021	.0062	.2237
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1802.0	4235.0	3344.5	6859.2					
Stddev	4.2	4.4	94.	18.5					
%RSD	.23133	.10290	.28184	.26975					
#1	1798.2	4238.5	33532.	6866.1					
#2	1801.4	4236.4	33345.	6838.3					
#3	1806.4	4230.1	33456.	6873.4					

Sample Name: MP31446-MB2 Acquired: 1/6/2017 15:56:54 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Tl1908	V_2924	Zn2062	
Units	ppm	ppm	ppm	
Avg	-.0019	.0000	.0040	
Stddev	.0003	.0002	.0001	
%RSD	14.19	448.8	1.976	
#1	-.0021	-.0001	.0041	
#2	-.0016	.0003	.0039	
#3	-.0021	.0000	.0039	
Check ?	Chk Pass	Chk Pass	Chk Pass	
High Limit				
Low Limit				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1913.3	4483.4	34937.	7185.8
Stddev	2.9	6.9	94.	24.4
%RSD	.15332	.15384	.26938	.33941
#1	1914.1	4478.6	34868.	7163.3
#2	1910.0	4480.4	35044.	7182.3
#3	1915.7	4491.3	34899.	7211.7

Sample Name: MP31446-B2 Acquired: 1/6/2017 16:01:24 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0484	28.88	2.059	2.143	.0537	27.48	.0512	.5128	.2095
Stddev	.0004	.05	.004	.004	.0001	.11	.0001	.0010	.0003
%RSD	.7743	.1636	.1829	.1966	.2642	.3964	.2651	.1939	.1584
#1	.0484	28.85	2.059	2.143	.0538	27.48	.0512	.5127	.2094
#2	.0488	28.93	2.055	2.147	.0535	27.59	.0511	.5119	.2099
#3	.0480	28.86	2.062	2.139	.0537	27.37	.0514	.5138	.2092

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2665	28.41	26.99	26.52	.5241	.5361	F 118.2	.5188	.4962
Stddev	.0006	.07	.05	.11	.0007	.0009	.2	.0009	.0012
%RSD	.2065	.2313	.1972	.4221	.1373	.1628	.1817	.1771	.2347
#1	.2659	28.40	26.94	26.48	.5242	.5362	118.0	.5182	.4974
#2	.2669	28.47	27.04	26.65	.5234	.5352	118.5	.5183	.4951
#3	.2667	28.34	26.99	26.44	.5248	.5370	118.2	.5198	.4962

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 Value Range 25.00 20.00%

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5164	2.046	18.59	.5389	.5330	.5313	2.003	.5068	.5269
Stddev	.0017	.006	.03	.0015	.0014	.0024	.007	.0008	.0008
%RSD	.3266	.3080	.1388	.2732	.2628	.4565	.3431	.1546	.1512
#1	.5149	2.048	18.61	.5379	.5324	.5293	2.003	.5059	.5265
#2	.5161	2.039	18.56	.5381	.5346	.5340	2.009	.5074	.5264
#3	.5182	2.051	18.61	.5406	.5320	.5305	1.996	.5071	.5278

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP31446-B2 Acquired: 1/6/2017 16:01:24 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1802.2	4336.8	3386.8	6931.9
Stddev	.3	9.5	47.	35.8
%RSD	.01815	.21981	.13838	.51661
#1	1802.1	4336.6	3391.8	6909.8
#2	1802.5	4346.4	3382.4	6912.6
#3	1801.9	4327.3	3386.2	6973.2

Sample Name: MP31446-MB3 Acquired: 1/6/2017 16:05:37 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0070	.0001	.0009	-.0001	.0254	-.0001	-.0003
Stddev	.0001	.0021	.0008	.0003	.0000	.0007	.0000	.0001
%RSD	37.74	30.26	160.8	37.52	44.02	2.605	9.204	25.64
#1	-.0002	.0063	-.0008	.0011	-.0001	.0256	-.0001	-.0003
#2	-.0003	.0053	-.0008	.0011	-.0001	.0260	-.0001	-.0002
#3	-.0001	.0094	.0002	.0005	.0000	.0247	-.0001	-.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0047	.0074	.0913	-.0012	.0002	-.0002	F 165.0
Stddev	.0002	.0004	.0006	.0270	.0137	.0000	.0002	1.7
%RSD	46.37	7.519	8.241	29.60	1173.	13.32	117.2	1.015
#1	.0002	.0044	.0080	.1028	-.0114	.0003	-.0001	166.5
#2	.0006	.0047	.0074	.0605	.0144	.0003	.0000	165.4
#3	.0006	.0051	.0068	.1108	-.0066	.0002	-.0004	163.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail
 High Limit Low Limit 2.500 -2.500

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	F -.0028	.0006	.0001	17.54	.0005	.0001	.0001
Stddev	.0001	.0006	.0014	.0006	.04	.0000	.0000	.0002
%RSD	20.84	19.86	247.5	446.5	.2322	10.43	29.64	136.1
#1	-.0003	-.0032	.0001	.0006	17.51	.0005	.0001	.0000
#2	-.0005	-.0022	.0022	.0003	17.52	.0005	.0001	.0003
#3	-.0005	-.0030	-.0006	-.0005	17.59	.0004	.0002	.0000

Check ? Chk Pass Chk Fail Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit Low Limit .0025 -.0025

Sample Name: MP31446-MB3 Acquired: 1/6/2017 16:05:37 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	.0012	-.0001	.0019
Stddev	.0028	.0003	.0001
%RSD	237.2	289.3	2.916
#1	.0045	.0001	.0019
#2	-.0006	-.0005	.0020
#3	-.0003	.0000	.0018

Check ? Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1861.1	4414.0	3422.9	6928.4
Stddev	4.3	9.0	38.	20.6
%RSD	.22926	.20354	.11218	.29781
#1	1859.9	4418.6	3426.8	6913.3
#2	1865.8	4419.8	3419.1	6920.1
#3	1857.5	4403.7	3422.9	6951.9

Sample Name: MP31446-B3 Acquired: 1/6/2017 16:10:16 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0488	28.87	2.083	2.140	.0539	27.45	.0515	.5125	.2088
Stddev	.0005	.17	.002	.015	.0003	.04	.0000	.0011	.0008
%RSD	1.052	.5855	.0822	.6887	.5962	.1477	.0359	.2231	.3705

#1	.0491	29.03	2.082	2.156	.0539	27.50	.0515	.5136	.2092
#2	.0492	28.69	2.082	2.127	.0535	27.44	.0515	.5114	.2079
#3	.0482	28.90	2.085	2.136	.0542	27.42	.0515	.5126	.2094

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2707	28.44	27.19	26.64	.5237	.5378	F 189.3	.5195	.5020
Stddev	.0012	.05	.09	.02	.0022	.0005	2.2	.0011	.0009
%RSD	.4380	.1615	.3199	.0717	.4213	.0851	1.168	.2027	.1817

#1	.2710	28.44	27.28	26.62	.5251	.5382	187.0	.5191	.5025
#2	.2718	28.39	27.11	26.64	.5211	.5373	191.4	.5187	.5010
#3	.2694	28.48	27.16	26.66	.5248	.5379	189.4	.5207	.5026

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
Value Range 25.00 20.00%

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5187	2.072	17.55	.5351	.5315	.5311	2.007	.5050	.5279
Stddev	.0037	.006	.04	.0009	.0017	.0017	.007	.0016	.0007
%RSD	.7197	.3053	.2365	.1676	.3276	.3153	.3339	.3196	.1262

#1	.5217	2.079	17.59	.5361	.5333	.5330	2.001	.5068	.5281
#2	.5199	2.067	17.51	.5350	.5298	.5298	2.005	.5038	.5284
#3	.5145	2.071	17.54	.5343	.5315	.5306	2.014	.5043	.5271

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
Value Range

Sample Name: MP31446-B3 Acquired: 1/6/2017 16:10:16 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1781.9	4312.9	3386.8	6926.0
Stddev	1.8	14.1	54.	12.3
%RSD	.09955	.32715	.15900	.17697

#1	1780.7	4299.2	33819.	6939.7
#2	1783.9	4327.4	33860.	6922.4
#3	1781.0	4312.1	33926.	6915.9

7.1
7

Sample Name: MP31446-MB4 Acquired: 1/6/2017 16:14:37 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0038	-0.0006	.0019	-0.0001	.2578	-0.0002	-0.0003
Stddev	.0002	.0061	.0005	.0001	.0000	.0003	.0000	.0001
%RSD	97.67	162.5	91.52	3.575	25.99	1.244	4.432	23.15

#1	.0000	.0032	-.0010	.0020	-.0001	.2576	-.0002	-.0004
#2	-.0004	-.0020	-.0008	.0019	-.0001	.2576	-.0002	-.0002
#3	-.0003	.0102	.0000	.0019	-.0001	.2582	-.0002	-.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0049	.0071	.1069	.0128	.0001	-0.002	F 160.5
Stddev	.0004	.0002	.0011	.0294	.0024	.0000	.0002	1.2
%RSD	272.9	3.413	15.05	27.51	18.78	10.05	135.2	.7274

#1	.0000	.0051	.0083	.1174	.0107	.0002	-.0002	159.2
#2	.0005	.0048	.0067	.1296	.0154	.0001	.0001	161.5
#3	-.0001	.0047	.0063	.0737	.0123	.0002	-.0004	160.7

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail
High Limit Low Limit 2.500 -2.500

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	F -.0034	-0.0007	.0013	17.82	.0003	.0002	.0001
Stddev	.0000	.0011	.0009	.0009	.02	.0001	.0000	.0001
%RSD	9.435	33.44	128.7	70.85	.1195	43.10	15.58	206.6

#1	-.0006	-.0042	-.0016	.0003	17.84	.0003	.0002	.0000
#2	-.0005	-.0021	-.0008	.0013	17.80	.0004	.0002	.0002
#3	-.0005	-.0038	.0002	.0021	17.83	.0002	.0003	.0000

Check ? Chk Pass Chk Fail Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
High Limit Low Limit .0025 -.0025

Sample Name: MP31446-MB4 Acquired: 1/6/2017 16:14:37 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm
Avg	.0007	.0000	.0029
Stddev	.0009	.0002	.0001
%RSD	130.2	1929.	2.448

#1	.0005	.0002	.0029
#2	.0016	-.0002	.0030
#3	-.0001	.0000	.0029

Check ? Chk Pass Chk Pass Chk Pass
High Limit Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1857.1	4384.6	34337.	7016.2
Stddev	5.9	3.6	97.	6.1
%RSD	.31986	.08256	.28234	.08756

#1	1850.8	4380.7	34317.	7021.3
#2	1857.8	4387.9	34252.	7017.9
#3	1862.6	4385.3	34443.	7009.4

Sample Name: MP31446-B4 Acquired: 1/6/2017 16:19:18 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0485	28.57	2.041	2.118	.0533	27.26	.0508	.5060	.2074
Stddev	.0005	.05	.006	.007	.0001	.07	.0001	.0013	.0008
%RSD	.9478	.1836	.3084	.3257	.2246	.2659	.1172	.2557	.3721

#1	.0482	28.55	2.034	2.124	.0532	27.22	.0508	.5055	.2083
#2	.0484	28.63	2.047	2.110	.0532	27.35	.0509	.5075	.2069
#3	.0491	28.54	2.041	2.119	.0534	27.22	.0508	.5050	.2070

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2641	28.10	26.84	26.32	.5186	.5321	F 181.1	.5114	.4938
Stddev	.0009	.03	.03	.10	.0016	.0018	.9	.0007	.0011
%RSD	.3448	.1233	.1231	.3762	.3012	.3346	.4787	.1331	.2323

#1	.2647	28.06	26.84	26.23	.5203	.5311	180.1	.5116	.4925
#2	.2647	28.12	26.86	26.43	.5181	.5342	181.3	.5119	.4945
#3	.2631	28.11	26.80	26.31	.5173	.5311	181.8	.5106	.4945

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 Value Range 25.00 20.00%

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5096	2.030	18.08	.5317	.5296	.5276	1.987	.5006	.5226
Stddev	.0003	.012	.06	.0019	.0010	.0009	.005	.0023	.0004
%RSD	.0676	.5947	.3253	.3529	.1948	.1666	.2630	.4567	.0852

#1	.5094	2.031	18.06	.5303	.5308	.5281	1.982	.5028	.5223
#2	.5100	2.041	18.15	.5339	.5291	.5282	1.989	.5007	.5224
#3	.5094	2.017	18.03	.5310	.5289	.5266	1.992	.4983	.5231

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP31446-B4 Acquired: 1/6/2017 16:19:18 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1781.2	4320.0	3382.4	6906.8
Stddev	.6	15.4	42.	41.0
%RSD	.03197	.35707	.12458	.59395

#1	1781.1	4322.5	3378.2	6942.0
#2	1780.8	4303.5	3382.6	6861.8
#3	1781.9	4334.0	3386.6	6916.7

7.1
7

Sample Name: CCV Acquired: 1/6/2017 16:23:39 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2533	40.69	1.998	2.058	2.043	41.46	2.029	2.027	2.036
Stddev	.0010	.10	.008	.005	.006	.15	.003	.004	.007
%RSD	.3956	.2480	.4161	.2624	.2987	.3621	.1403	.1901	.3282

#1	.2535	40.81	1.996	2.064	2.050	41.47	2.030	2.026	2.037
#2	.2522	40.64	1.991	2.054	2.038	41.31	2.026	2.023	2.029
#3	.2542	40.63	2.007	2.055	2.043	41.61	2.032	2.031	2.042

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.994	40.97	40.55	41.13	2.047	2.048	40.48	2.016	2.006
Stddev	.001	.09	.12	.16	.009	.003	.10	.004	.003
%RSD	.0264	.2274	.3065	.3911	.4144	.1490	.2403	.1971	.1305

#1	1.994	41.04	40.65	41.15	2.054	2.046	40.58	2.015	2.009
#2	1.995	40.86	40.41	40.96	2.037	2.046	40.40	2.013	2.003
#3	1.994	40.99	40.60	41.28	2.050	2.051	40.45	2.021	2.007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.999	2.000	1.948	2.053	2.062	2.027	2.018	2.013	2.062
Stddev	.005	.004	.004	.004	.006	.005	.006	.010	.003
%RSD	.2609	.2269	.1984	.1733	.3139	.2646	.2860	.4757	.1215

#1	1.999	1.998	1.949	2.056	2.069	2.032	2.012	2.021	2.064
#2	1.994	1.997	1.944	2.049	2.059	2.022	2.018	2.002	2.060
#3	2.005	2.006	1.952	2.053	2.058	2.027	2.023	2.014	2.061

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 1/6/2017 16:23:39 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1820.7	4428.0	3441.8	6989.3
Stddev	3.6	11.6	94.	40.0
%RSD	.19595	.26292	.27169	.57166

#1	1820.1	4426.2	3437.4	6973.9
#2	1824.5	4440.5	3452.6	7034.6
#3	1817.4	4417.4	3435.5	6959.3

Sample Name: CCB Acquired: 1/6/2017 16:27:52 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	.0012	.0007	.0002	.0002	-0.014	.0000	.0001	-0.001
Stddev	.0002	.0081	.0001	.0001	.0000	.0017	.0000	.0001	.0003
%RSD	80.65	703.3	18.96	40.63	10.79	125.7	70.08	123.3	339.1
#1	.0000	-.0029	.0008	.0003	.0002	-.0005	.0001	.0001	-.0004
#2	-.0004	-.0041	.0007	.0003	.0002	-.0002	.0000	.0002	-.0001
#3	-.0005	.0105	.0006	.0001	.0001	-.0033	.0000	.0000	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0079	.0341	-.0005	.0001	F .0012	.0382	.0001	-0.004
Stddev	.0001	.0027	.0398	.0042	.0000	.0004	.0056	.0001	.0006
%RSD	850.7	34.10	116.8	909.9	36.73	36.82	14.79	97.86	154.0
#1	-.0001	.0063	.0063	-.0003	.0001	.0016	.0386	.0002	.0002
#2	.0001	.0110	.0796	-.0048	.0001	.0010	.0436	.0002	-.0005
#3	.0001	.0064	.0162	.0037	.0001	.0008	.0323	.0000	-.0009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	.0002	-0.0001	.0003	.0002	.0002	F .0026	.0001	.0000
Stddev	.0003	.0022	.0003	.0002	.0001	.0001	.0012	.0001	.000
%RSD	19.81	101.0	209.9	53.20	43.78	37.08	47.70	134.3	335.1
#1	.0014	-.0010	.0001	.0004	.0002	.0002	.0037	.0001	.0000
#2	.0021	-.0011	-.0004	.0001	.0002	.0002	.0029	.0002	-.0001
#3	.0017	.0027	.0000	.0005	.0001	.0001	.0012	.0000	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 1/6/2017 16:27:52 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1972.7	4580.7	35153.	7223.3
Stddev	5.7	14.3	39.	53.6
%RSD	.29092	.31134	.10964	.74176
#1	1979.0	4590.6	35185.	7262.0
#2	1967.8	4564.3	35110.	7245.8
#3	1971.4	4587.2	35163.	7162.1

7.1
7

Sample Name: CCV Acquired: 1/6/2017 19:12:46 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2559	41.08	2.013	2.135	1.930	39.14	2.049	2.045	2.066
Stddev	.0015	.03	.002	.006	.005	.07	.002	.002	.005
%RSD	.5671	.0631	.0812	.2780	.2831	.1747	.0819	.0753	.2568
#1	.2576	41.07	2.012	2.140	1.935	39.19	2.051	2.046	2.060
#2	.2551	41.11	2.015	2.135	1.929	39.16	2.048	2.043	2.071
#3	.2551	41.06	2.013	2.129	1.925	39.06	2.049	2.045	2.067

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.014	F 35.89	F 46.06	36.57	2.076	2.064	42.49	2.036	2.030
Stddev	.003	.01	.14	.07	.003	.001	.17	.003	.002
%RSD	.1697	.0327	.3004	.1826	.1562	.0280	.4089	.1335	.0987
#1	2.018	35.90	46.22	36.55	2.074	2.064	42.69	2.039	2.032
#2	2.012	35.88	45.96	36.64	2.074	2.063	42.43	2.035	2.030
#3	2.012	35.90	46.00	36.51	2.080	2.064	42.36	2.033	2.028

Check ? Chk Pass Chk Fail Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.021	2.021	1.970	2.066	2.113	2.050	2.033	2.039	2.084
Stddev	.005	.002	.004	.003	.006	.004	.009	.000	.002
%RSD	.2495	.0993	.2273	.1529	.2816	.1706	.4210	.0218	.0931
#1	2.019	2.021	1.966	2.069	2.120	2.054	2.031	2.039	2.086
#2	2.016	2.020	1.969	2.065	2.108	2.048	2.025	2.040	2.082
#3	2.026	2.024	1.975	2.063	2.110	2.049	2.042	2.039	2.084

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 1/6/2017 19:12:46 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1799.2	4372.7	33684.	6284.3
Stddev	2.0	9.1	75.	11.4
%RSD	.11108	.20739	.22312	.18214
#1	1798.0	4368.9	33600.	6272.1
#2	1801.5	4383.1	33708.	6285.9
#3	1798.0	4366.2	33744.	6294.8

Sample Name: CCB Acquired: 1/6/2017 19:16:59 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.031	0.005	0.000	0.001	0.041	0.000	-0.001	-0.001
Stddev	0.000	0.031	0.004	0.002	0.000	0.023	0.000	0.001	0.004
%RSD	58.40	99.85	93.54	330.0	29.52	57.46	1190.	83.99	297.2

#1	-0.001	0.028	0.009	0.002	0.001	0.062	0.000	0.000	-0.005
#2	-0.000	0.064	0.001	0.001	0.001	0.015	-0.001	-0.001	0.003
#3	-0.001	0.002	0.004	-0.001	0.001	0.045	0.000	-0.001	-0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.004	0.065	0.1823	0.081	0.002	F_0.014	0.9919	0.002	-0.003
Stddev	0.002	0.018	0.026	0.024	0.000	0.002	0.147	0.001	0.002
%RSD	35.59	27.86	12.39	276.5	2.081	16.01	1.482	40.68	57.42

#1	0.006	0.070	0.283	0.236	0.002	0.016	1.008	0.002	-0.004
#2	0.003	0.079	0.1708	0.183	0.002	0.015	0.9882	0.001	-0.001
#3	0.004	0.045	0.1678	-0.176	0.002	0.012	0.9794	0.002	-0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.002	0.006	0.019	0.004	0.002	0.003	0.010	0.001	0.000
Stddev	0.008	0.010	0.004	0.002	0.000	0.000	0.014	0.002	0.001
%RSD	430.6	162.9	21.44	58.89	8.420	14.35	132.9	191.9	250.0

#1	-0.005	0.017	0.023	0.003	0.002	0.003	0.004	0.001	0.000
#2	-0.001	-0.002	0.015	0.002	0.002	0.003	0.026	-0.001	0.001
#3	0.011	0.003	0.018	0.006	0.002	0.002	0.001	0.003	0.000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 1/6/2017 19:16:59 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1882.0	4383.4	3337.4	6108.0
Stddev	5.6	8.3	63.	30.6
%RSD	.29950	.19005	.18904	.50021

#1	1876.0	4391.7	3337.5	6112.9
#2	1887.2	4383.7	3343.6	6135.8
#3	1882.7	4375.0	3331.0	6075.3

Sample Name: CRIA Acquired: 1/6/2017 19:49:15 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.086	2.202	0.106	0.216	0.049	1.027	0.053	0.530	0.106
Stddev	0.002	0.079	0.004	0.009	0.001	0.005	0.000	0.003	0.000
%RSD	1.988	3.566	3.648	4.281	1.253	5.074	9.073	5.606	2.636

#1	0.084	2.138	0.109	0.227	0.049	1.032	0.054	0.528	0.106
#2	0.087	2.177	0.101	0.214	0.048	1.022	0.053	0.529	0.106
#3	0.086	2.289	0.107	0.208	0.049	1.027	0.053	0.534	0.106

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0230	0.2840	12.00	4.759	0.162	0.514	11.70	0.427	0.053
Stddev	0.004	0.041	0.06	0.025	0.001	0.003	0.07	0.001	0.006
%RSD	1.532	1.449	5.280	5.182	4.522	6.006	5.727	3.421	11.50

#1	0.026	0.288	12.07	4.779	0.163	0.512	11.78	0.428	0.047
#2	0.0231	0.287	11.96	4.731	0.161	0.512	11.64	0.425	0.059
#3	0.0232	0.2816	11.98	4.767	0.163	0.518	11.69	0.428	0.053

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.0049	0.0083	0.130	0.0540	0.106	0.105	0.111	0.056	0.0222
Stddev	0.0005	0.0007	0.004	0.001	0.001	0.000	0.004	0.003	0.001
%RSD	10.09	8.169	3.438	2.739	9.091	4.680	3.610	5.013	4.127

#1	0.045	0.077	0.125	0.059	0.107	0.104	0.111	0.056	0.0223
#2	0.048	0.081	0.131	0.0541	0.105	0.105	0.115	0.0509	0.0221
#3	0.055	0.090	0.133	0.059	0.106	0.105	0.107	0.0504	0.0222

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1948.7	4545.2	3481.2	6185.5
Stddev	4.4	12.8	86.	35.0
%RSD	2.2473	2.8072	2.4644	5.6603

#1	1953.3	4553.0	3490.7	6154.8
#2	1948.5	4552.2	3478.8	6223.7
#3	1944.5	4530.5	3474.1	6178.2

Sample Name: ICESA Acquired: 1/6/2017 19:53:43 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.005	F_514.2	-0.011	0.008	-0.001	456.0	0.016	-0.008	-0.003
Stddev	0.001	5.4	0.017	0.002	0.000	3.6	0.001	0.001	0.004
%RSD	19.23	1.059	152.2	26.53	36.67	7.842	7.097	7.203	143.0

#1	-0.006	508.4	-0.012	0.010	-0.001	455.3	0.015	0.008	-0.007
#2	-0.006	519.2	-0.028	0.010	-0.001	459.8	0.015	0.009	-0.001
#3	-0.004	514.9	0.006	0.006	-0.001	452.8	0.017	0.008	0.000

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0022	155.1	2033	461.9	-0.008	0.007	1.293	-0.002	0.048
Stddev	0.003	5	0.120	2.7	0.001	0.002	0.06	0.002	0.004
%RSD	14.44	3.131	5.916	5.938	14.87	21.09	4.322	83.33	7.498

#1	-0.025	154.6	2130	459.3	-0.010	0.008	1.289	-0.004	0.052
#2	-0.019	155.6	1.898	464.8	-0.008	0.009	1.299	0.000	0.046
#3	-0.023	155.1	2.070	461.7	-0.007	0.006	1.290	-0.002	0.045

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.003	0.025	0.764	0.043	0.023	-0.009	-0.017	0.015	-0.025
Stddev	0.013	0.018	0.002	0.029	0.005	0.001	0.012	0.001	0.002
%RSD	447.7	73.03	2.641	68.20	23.06	10.53	74.99	7.106	6.689

#1	0.011	0.045	0.762	0.029	0.024	-0.009	-0.020	0.016	-0.025
#2	-0.006	0.021	0.766	0.023	0.017	-0.009	-0.027	0.014	-0.027
#3	-0.014	0.009	0.765	0.076	0.028	-0.011	-0.003	0.015	-0.023

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1602.6	4039.2	3159.3	5776.6
Stddev	3.0	1.6	36.	33.4
%RSD	1.9014	0.3894	1.1358	5.7897

#1	1605.5	4040.0	3159.5	5801.8
#2	1599.4	4037.3	3162.7	5738.6
#3	1602.9	4040.2	3155.6	5789.4

Sample Name: ICSAB Acquired: 1/6/2017 19:58:22 Type: Unk
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F 1.018	F 508.2	1.108	.5550	.4789	447.1	.9680	4.886	.5151
Stddev	.000	3.2	.002	.0006	.0014	2.7	.0010	.0006	.0018
%RSD	.0372	.6389	.1950	.1075	.2971	.5999	.1040	.1158	.3406
#1	1.018	511.6	1.106	.5556	.4803	444.3	.9685	4.881	.5152
#2	1.018	507.7	1.110	.5550	.4775	447.2	.9669	4.885	.5134
#3	1.017	505.2	1.107	.5544	.4788	449.7	.9687	4.892	.5169

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(ln2306)
Avg	.5548	156.6	.2010	460.9	.5079	.9994	1.059	9.750	1.006
Stddev	.0012	.2	.0114	.7	.0009	.0013	.014	.0004	.002
%RSD	.2215	.1272	5.668	.1577	.1786	.1261	1.316	.0363	.2013
#1	.5552	156.8	.1878	460.0	.5068	.9985	1.072	9.750	1.004
#2	.5534	156.4	.2078	461.2	.5084	.9989	1.059	9.754	1.006
#3	.5557	156.7	.2073	461.3	.5084	1.001	1.044	9.747	1.008

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(ln2306)	(Y_3600)	(Y_2243)
Avg	1.063	1.041	.1064	.9865	1.074	1.042	1.006	4.957	.9611
Stddev	.003	.006	.0009	.0014	.002	.002	.005	.0014	.0025
%RSD	.2847	.5660	.8219	.1436	.2177	.1780	.5141	.2794	.2629
#1	1.059	1.047	.1056	.9860	1.076	1.040	1.003	4.941	.9589
#2	1.063	1.041	.1062	.9854	1.072	1.042	1.004	4.967	.9607
#3	1.065	1.035	.1073	.9881	1.072	1.043	1.012	4.963	.9639

Int. Std.	ln2306	Y_2243	Y_3600	Y_3710
Avg	1580.2	4033.7	31487.	5803.8
Stddev	6.0	5.7	32.	22.8
%RSD	.38094	.14179	.10083	.39356
#1	1586.1	4039.9	31453.	5816.6
#2	1580.3	4032.7	31494.	5817.3
#3	1574.1	4028.6	31515.	5777.4

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Sample Name: CCV Acquired: 1/6/2017 20:02:53 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2570	41.73	2.022	2.154	1.935	39.31	2.055	2.049	2.082
Stddev	.0008	.20	.006	.010	.006	.11	.002	.002	.007
%RSD	.3079	.4687	.3049	.4836	.3208	.2922	.0844	.0973	.3254
#1	.2574	41.94	2.017	2.165	1.939	39.42	2.053	2.047	2.074
#2	.2561	41.56	2.020	2.145	1.928	39.19	2.055	2.051	2.087
#3	.2575	41.69	2.029	2.151	1.938	39.31	2.056	2.050	2.085

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.031	F 35.65	F 47.12	36.74	2.079	2.065	F 44.52	2.039	2.028
Stddev	.006	.12	.11	.18	.008	.002	.16	.003	.002
%RSD	.3155	.3346	.2376	.4809	.3790	.0861	.3585	.1679	.0827
#1	2.038	35.75	47.25	36.94	2.075	2.063	44.63	2.036	2.030
#2	2.028	35.52	47.05	36.64	2.088	2.065	44.34	2.042	2.027
#3	2.026	35.70	47.06	36.64	2.074	2.066	44.60	2.039	2.028

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.020	2.027	1.969	2.074	2.138	2.052	2.033	2.048	2.089
Stddev	.008	.007	.003	.002	.010	.005	.007	.003	.004
%RSD	.3745	.3620	.1563	.0782	.4540	.2396	.3498	.1559	.2011
#1	2.011	2.020	1.966	2.073	2.148	2.051	2.024	2.046	2.092
#2	2.025	2.035	1.970	2.072	2.129	2.058	2.036	2.051	2.084
#3	2.022	2.026	1.972	2.075	2.139	2.048	2.037	2.045	2.091

Check ?	Value	Range	High Limit	Low Limit
Chk Pass	40.00	40.00		
Chk Fail	-10.00%	10.00%		
Chk Pass	40.00	40.00		
Chk Fail	10.00%	10.00%		

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7.1
7

Sample Name: CCV Acquired: 1/6/2017 20:02:53 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	ln2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1796.1	4360.7	33588.	6033.2
Stddev	4.7	16.9	65.	27.4
%RSD	.26034	.38772	.19357	.45443
#1	1801.2	4378.0	33662.	6004.9
#2	1795.2	4344.2	33563.	6059.6
#3	1792.0	4359.9	33540.	6035.0

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Sample Name: CCB Acquired: 1/6/2017 20:07:06 Type: QC
 Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0061	.0004	.0001	.0002	.0020	.0001	.0001	.0001
Stddev	.000	.0029	.0006	.0002	.0001	.0025	.0001	.0001	.0001
%RSD	693.2	48.12	140.8	261.5	32.58	128.5	57.03	80.42	92.25
#1	.0002	.0038	.0002	.0001	.0002	.0008	.0001	.0002	.0002
#2	.0001	.0050	.0008	.0001	.0001	.0026	.0001	.0001	.0002
#3	.0001	.0094	.0006	.0002	.0002	.0042	.0001	.0000	.0000

Check ?	Value	Range	High Limit	Low Limit
Chk Pass				
Chk Pass				
Chk Pass				
Chk Pass				
Chk Pass				
Chk Pass				
Chk Pass				
Chk Pass				
Chk Pass				

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0086	.0940	-.0131	.0003	F .0015	.3469	.0003	-.0004
Stddev	.0001	.0036	.0231	.0050	.0000	.0004	.0103	.0001	.0004
%RSD	70.32	41.45	24.54	38.46	6.736	28.20	2.956	42.46	103.3
#1	.0002	.0102	.1108	-.0184	.0002	.0020	.3482	.0004	.0000
#2	.0001	.0111	.1035	-.0084	.0003	.0014	.3564	.0003	-.0003
#3	.0003	.0045	.0677	-.0125	.0003	.0012	.3361	.0002	-.0009

Check ?	Value	Range	High Limit	Low Limit
Chk Pass				
Chk Pass				
Chk Pass				
Chk Pass				
Chk Pass				
Chk Fail	.0010			
Chk Fail	-.0010			

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.0003	.0002	.0004	.0001	.0004	.0003	.0002	.0000
Stddev	.0006	.0017	.0002	.0004	.0001	.0001	.0008	.0002	.0000
%RSD	62.00	571.4	76.40	106.7	103.3	21.15	225.9	149.6	199.2
#1	.0010	-.0010	.0004	.0003	.0000	.0005	.0012	-.0001	.0000
#2	.0003	.0022	.0001	.0000	.0001	.0004	-.0004	.0003	.0001
#3	.0014	-.0003	.0001	.0008	.0002	.0003	.0002	.0003	.0000

Check ?	Value	Range	High Limit	Low Limit
Chk Pass				
Chk Pass				
None				
Chk Pass				
Chk Pass				
Chk Pass				
Chk Pass				
Chk Pass				
Chk Pass				

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Sample Name: CCB Acquired: 1/6/2017 20:07:06 Type: QC
Method: 60102007_042011(v414) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1942.4	4529.6	34453.	6164.3
Stddev	2.6	14.2	109.	52.5
%RSD	.13272	.31433	.31602	.85199
#1	1944.3	4540.7	34579.	6110.3
#2	1943.4	4534.5	34386.	6215.2
#3	1939.5	4513.5	34396.	6167.3

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000009	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000062	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000016	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000082	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000005	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000005	0.000000	No
			Fe	-0.000004	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000124	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000006	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000009	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000035	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Tl	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000178	0.000000	No
			Fe	0.000045	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000005	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	-0.000000	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	0.000113	0.000000	No
			Ca	-0.000003	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000031	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 {83}	<input checked="" type="checkbox"/>	1	Ca	0.000101	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	-0.000007	0.000000	No
			Al	-0.000005	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000004	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000015	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 {94}* Y 371.030 {91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	0.000011	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	0.000077	0.666335	0.000000	1.000000
Al 396.152 { 85}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	0.002011	0.158186	0.000000	1.000000
As 189.042 {478}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	-0.000971	0.180277	0.000000	1.000000
Ba 455.403 { 74}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	0.000156	8.340199	0.000000	1.000000
Be 313.042 {108}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	0.000802	9.861419	0.000000	1.000000
Ca 317.933 {106}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	0.007346	0.242042	0.000000	1.000000
Cd 226.502 {449}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	-0.001054	4.574180	0.000000	1.000000
Co 228.616 {447}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	-0.000600	2.664542	0.000000	1.000000
Cr 267.716 {126}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	-0.000070	0.444207	0.000000	1.000000
Cu 324.754 {104}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	0.015373	0.818513	0.000000	1.000000
Fe 259.940 {130}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	0.001395	0.158823	0.000000	1.000000
In 230.606 {446}*	1/6/2017 8:50:10	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	-0.001724	0.072575	0.000000	1.000000
Mg 279.079 {121}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	-0.000181	0.021736	0.000000	1.000000
Mn 257.610 {131}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	0.001015	2.523054	0.000000	1.000000
Mo 202.030 {467}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	0.001964	0.975632	0.000000	1.000000
Na 589.592 { 57}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	0.005370	0.305360	0.000000	1.000000
Ni 231.604 {445}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	-0.000811	1.537915	0.000000	1.000000
Pb 220.353 {453}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	-0.000941	0.895926	0.000000	1.000000
Sb 206.833 {463}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	0.000563	0.242344	0.000000	1.000000
Se 196.090 {472}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	0.000536	0.132338	0.000000	1.000000
Si 212.412 {459}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	0.005863	0.307606	0.000000	1.000000
Sn 189.989 {477}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	0.000712	0.403369	0.000000	1.000000
Sr 407.771 { 83}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	0.000632	12.795013	0.000000	1.000000
Ti 334.941 {101}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	0.001193	1.567809	0.000000	1.000000
Tl 190.856 {477}	1/6/2017 8:50:10	1/6/2017 8:16:04	Linear	1/Conc	-0.002083	0.296956	0.000000	1.000000
V 292.402 {115}	1/6/2017 8:50:10	1/6/2017 8:16:05	Linear	1/Conc	-0.000854	0.673346	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	1/6/2017 8:50:10	1/6/2017 8:16:05	Linear	1/Conc	0.003001	2.145988	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999996	0.000019	0.000353	0.001176	OK	1.000000	0.000000	1	0
Al 396.152 { 85}	0.999941	0.002776	0.006514	0.021714	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999953	0.000141	0.000898	0.002994	OK	1.000000	0.000000	1	0
Ba 455.403 { 74}	0.999829	0.012422	0.000154	0.000514	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999782	0.016608	0.000047	0.000157	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999794	0.007914	0.002301	0.007669	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999749	0.008267	0.000054	0.000180	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999829	0.003970	0.000103	0.000344	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999856	0.000607	0.000305	0.001017	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999999	0.000099	0.000245	0.000818	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999868	0.004158	0.001726	0.005754	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	0.999943	0.001253	0.023781	0.079268	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999944	0.000370	0.015997	0.053323	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999656	0.005330	0.000049	0.000163	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999849	0.001365	0.000161	0.000538	OK	1.000000	0.000000	1	0
Na 589.592 { 57}	0.999930	0.005828	0.005669	0.018896	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999740	0.002824	0.000182	0.000608	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999996	0.000211	0.000712	0.002374	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999951	0.000193	0.001040	0.003468	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999933	0.000123	0.001719	0.005730	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.999671	0.000635	0.000584	0.001946	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999917	0.000418	0.000345	0.001150	OK	1.000000	0.000000	1	0
Sr 407.771 { 83}	0.999737	0.023674	0.000064	0.000215	OK	1.000000	0.000000	1	0
Ti 334.941 {101}	0.999929	0.001501	0.000129	0.000431	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999978	0.000161	0.001269	0.004231	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999982	0.000323	0.000273	0.000910	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999817	0.003306	0.000085	0.000284	OK	1.000000	0.000000	1	0

5g
Dry Sieve

SGS Accutest - Orlando Metals Digestion Log Soil

MP #: 31429

Method of Digestion: SW846-3050B

DOD (ms)

Prep Date/Time (mm/dd/yy 24:00): 1/04/17; 13:11
 HotBlock I.D. 9
 Thermometer I.D. 204
 Correction Factor (°C) -1
 Temperature Observed/Corrected (°C) 91 / 90
 Balance I.D. ADVPRO3
 Added^B: H₂O₂ HNO₃
 Lot# 1041107 0000133393

Spk. Sol. ^A Volume Used(ml) Pipette #
 ACC979 1.00 10
 ACC949 0.50 10
 Met 5662 0.50 10
 Filter Lot#: ~~1605~~ * 160217041
 Dig. Tube Lot# ~~1605823~~ - 1509104-6084-Q15
 HCL * PTFE Boiling Chips
 0000132880 5941-6 I019

Sample #	Wt. g	Final Volume(ml)	Comments
Method Blank(MB)	5.0	100.0	Used 5x reagents for digestion 10-12-11/04/17
Spike Blank(SB)	↓		
Matrix Spike(MS)	5.08		
Matrix Spike Dup(MSD)	5.39		
Duplicate(DUP)	5.53		
1-00 ^C D2-FA38934-2R ^D 1	5.33		
2 FA38934-2R (00)	5.42		
3 -3R	5.59		
4 -5R	5.06		
5 -6R	5.15		
6 -8R	5.49		
7 -9R	5.46		
8 -11R	5.58		
9 -12R	5.03		
10 -18R	5.48		
11 FA32300-33RR	5.26		
12			
13			
14			
15			
16			
17			
18			
19			
20			
21 ^E			
22 ^E			
23 ^E			
24 ^E			

Analyst: [Signature]
 QC Review: [Signature]

Date: 1/04/17
 Date: 1.5.17'

A Used for SB, MS, MSD
 B For reagent volumes used consult SOP MET 104, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional Matrix QC

icpsoidigestionlog 0316.xls

Rev 03/04/16 DM

17 of 100

* CR 1/04/17

7.2.1
7

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ATTACHMENT 3

NONCONFORMANCE/CORRECTIVE ACTION REPORT

(PROVIDED ON CD)

Data Challenge Response

Initiator: SI

Client Contact: Ms Peggy Cota

Email: Svetlana.Izosimova@sg

Job #: FA38934R

Project: Fort Ord

Response due:

Dept

MET

Description of problem

Reporting limits were 2x lower than previously submitted reports

Response

LIMS final volume default value is 50mls. For 5 gram drysieve prep method the final volume is changed to 100 mls manually. Due to human error prep technician did not change final volume to 100 mls, therefore the calculated results were incorrect. The reviewer for the prep batch also overlooked the final volume mistake. Both the prep technician and the reviewer have been reminded to make sure the final volume for 5 gram drysieves is 100 mls. SGS Accutest apologizes for the inconvenience. Final report was reissued on Jan. 20, 2017.

Data Challenge Response

Initiator: SI

Client Contact: Ms Peggy Cota

Email: Svetlana.Izosimova@sg

Job #: FA32306RR

Project: Fort Ord

Response due:

Dept

=====

MET

Description of problem

Reporting limits were 2x lower than previous submissions

Response

LIMS final volume default value is 50mls. For 5 gram drysieve prep method the final volume is changed to 100 mls manually. Due to human mistake prep technician did not change final volume to 100 mls, therefore the calculated results were incorrect. The reviewer for the prep batch also overlooked the final volume mistake. Both the prep technician and the reviewer have been reminded to make sure the final volume for 5 gram drysieves is 100 mls. SGS Accutest apologizes for the inconvenience. Report was corrected and reissued on Jan. 20, 2017.



NONCONFORMANCE/CORRECTIVE ACTION REPORT

CONTRACT NO./T.O. NO.: W912DY-10-D-0024 / CM01	GILBANE PROJECT NO.: 07202.2001	DATE: 2/7/2017
PROJECT TITLE / LOCATION: Former Fort Ord, California		NCR LOG NO.: 07202.2001.305.
PART A: DESCRIPTION OF NONCONFORMANCE / DEFICIENCY (INCLUDE SPECIFIC REQUIREMENT REFERENCES):		
<p>1. The correct preparation factor was not applied to the lead soil results reported for sample delivery groups FA32306RR and FA38934R for the incremental soil samples collected at Former Fort Ord, California. This resulted in reporting of results two times (2X) less than the actual value.</p> <p>2. The drying and consistency weighing of sample 02-07SC0000 was not documented on the preparation form. The comparability of the dataset was potentially affected since the sample drying and sieving was not documented on the preparation log with the other samples.</p>		
IDENTIFIED BY: Peggy Cota		DATE: 01/18/17 and 1/31/2017
PART B: ROOT CAUSE		
<p>1. Due to human mistake prep technician did not change final volume to 100 mls, therefore the calculated results were incorrect</p> <p>2. Due to human mistake prep technician did not document the air drying and consistency weighing of this sample.</p>		
PART C: CORRECTIVE AND PREVENTATIVE ACTIONS		
CORRECTIVE ACTIONS TO BE TAKEN (LIST AS CA 1, CA 2, ETC., FOR REFERENCE):		
1. Reports were corrected and reissued on Jan. 20, 2017. 2. Occurrence and affect on the data usability was noted in CDFR.	PROPOSED COMPLETION DATES: 1. 01/20/17 2. 02/07/17	
PREVENTIVE ACTIONS TO BE TAKEN (LIST AS PA 1, PA 2, ETC., FOR REFERENCE):		
1. Both the prep technician and the reviewer have been reminded to make sure the final volume for 5 gram dry sieves is 100 milliliters. 2. Laboratory notified of error. Corrective action by laboratory not required. Data was not significantly affected since the sieving of the sample 02-07SC0000 was performed and documented in the preparation logs, indicating that the sample had been sufficiently dried to pass through the #60 mesh sieve.	PROPOSED COMPLETION DATES: 1. 01/20/17 2. 01/31/17	
PART D: ACCEPTANCE		
PROGRAM CHEMIST SIGNATURE AND PRINTED NAME		DATE: 02/28/17
1. See attached Data Challenge Responses from SGS Accutest SE. 2. Not applicable.		
CORRECTIVE ACTION(S) VERIFIED BY		DATE:
(ATTACH LIST WITH REFERENCE NUMBERS IF NOT VERIFIED AT SAME TIME)		

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CHEMICAL QUALITY ASSURANCE REPORT

BASEWIDE RANGE ASSESSMENT

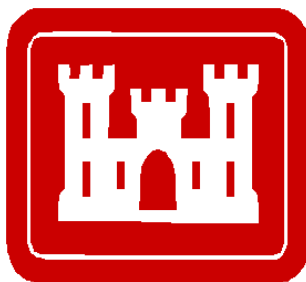
BURN UNIT 33

FEBRUARY AND SEPTEMBER, 2018 SAMPLING EVENTS

FORMER FORT ORD, CALIFORNIA

REVISION 0

Prepared for:



**U.S. Army Corps of Engineers
Sacramento District
1325 J Street
Sacramento, California 95814**

Prepared by:

**Gilbane Federal
1655 Grant Street, Suite 1200
Concord, CA 94520**

In accordance with:

**Worldwide Environmental Remediation Services Contract
Contract No. W912DY-10-D-0027
Task Order No. CM01**

January 2019

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Attachment 1 Automated Data Review Summary Reports
Attachment 2 Laboratory Reports

LIST OF ACRONYMS AND ABBREVIATIONS

ADR	automated data review
BRA	Basewide Range Assessment
CCV	continuing calibration verification
CQAR	Chemical Quality Assurance Report
DL	detection limit
DoD	Department of Defense
DQ	data qualifier
DQO	data quality objective
EB	equipment blank
eDMS	[Gilbane] Environmental Data Management System
EPA	U.S. Environmental Protection Agency
Fort Ord	Fort Ord Air Force Range
Gilbane	Gilbane Federal
ICS	interference check sample
ICV	initial calibration verification
ISM	Incremental Sampling Methodology
LCS	laboratory control sample
LCSD	laboratory control sample duplicate
LOD	limit of detection
LOQ	limit of quantitation
LR	laboratory replicate
mm	millimeter
MS	matrix spike
MSD	matrix spike duplicate
PARCCS	precision, accuracy, representativeness, comparability, completeness, and sensitivity
QAPP	Quality Assurance Project Plan
QC	quality control
QSM	Quality Systems Manual
RF	response factor
ROD	Record of Decision
RPD	relative percent difference
RSD	relative standard deviation

LIST OF ACRONYMS AND ABBREVIATIONS

S2BVEM	stage 2B validation, electronic and manual
S4VEM	stage 4 validation, electronic and manual
SDG	sample delivery group
SGS	SGS North America Inc.

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1.0 INTRODUCTION

This Chemical Quality Assurance Report (CQAR) was prepared by Gilbane Federal (Gilbane) for the 2018 Basewide Range Assessment (BRA) soil sampling events performed in February and September 2018 at Burn Unit 33 (Unit 33), located in the former Fort Ord Air Force Range (Fort Ord), California, using the Incremental Sampling Methodology (ISM). The collection dates are listed in **Table 2-1** of this CQAR.

This CQAR summarizes the overall quality, and establishes and documents the usability, of the data collected in support of the February and September 2018 BRA Unit 33 incremental lead in soil sampling events. Samples were collected in accordance with the *Quality Assurance Project Plan, Former Fort Ord, California, Volume 1, Appendix B, Soil Sampling, Basewide Range Assessment* (QAPP: KEMRON, June 2016). The collected data were validated and reconciled with the project procedures and data quality objectives (DQOs) listed in the QAPP.

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2.0 ANALYTICAL PROGRAM

SGS North America, Inc. (SGS), in Orlando, Florida, was the primary laboratory for the February and September 2018 BRA Unit 33 incremental lead in soil sampling events at Fort Ord. The laboratory participates in and is certified by the state of California and the Department of Defense (DoD) Environmental Laboratory Accreditation Program.

Soil samples were collected and analyzed in accordance with the requirements specified in the following guidance documents:

- *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods* (U.S. Environmental Protection Agency [EPA], 2007).
- QAPP, Basewide Range Assessment, 2016.

Soil samples were collected from a small area employing a seven-point incremental wheel approach, as described in Worksheet #17 of the QAPP. The composite incremental samples were analyzed for lead only by EPA Methods 6010C and 6020A.

Before being analyzed, the soil samples were air dried and sieved down to 0.25 millimeters (mm), and a 5-gram soil sample was digested for lead using EPA Method 3050B.

Stage 2B validation, electronic and manual (S2BVEM), as defined in *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (EPA, 2009), was performed on the data by the Gilbane Project Chemist, from the 2018 BRA Unit 33 incremental soil sampling events. The S2BVEM data validation included reviewing reports from the laboratory data deliverable that met Stage 3 data package requirements specified in the *Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.1.1* (DoD, 2018). A Stage 3 data package includes the sample results and chain-of-custody forms along with basic quality control (QC) summaries including surrogate recoveries, method blank results, and precision and accuracy data summaries for the sample preparation batch. The deliverable also includes summaries for instrument performances and for the initial and continuing calibration. The laboratory report also includes a case narrative describing any analytical problems and any potential impact on data quality.

A Stage 4 validation, electronic and manual (S4VEM), was performed on 10% of the data by the Gilbane Project Chemist, as required by the QAPP. The S4VEM portion of the data validation was performed on a Stage 4 data package from the laboratory. The Stage 4 data package contains the same items as the Stage 3 package, along with the raw data from the instrument analysis. For the 10% S4VEM review, the final reported sample results and QC results from the initial calibration, calibration verifications, laboratory spikes/replicates and instrument performance checks were re-calculated from the raw data for verification.

The DQOs for the February and September, 2018 incremental soil sampling events are described in Worksheet #11 of the QAPP. Procedures are specified in the QAPP to meet the DQOs. The specific data verification and validation procedures are outlined in Worksheet #35 and Worksheet #36 of the QAPP. Worksheet #34 outlines the verification and validation inputs that are used as

the basis for qualifying data. These include the information listed below, which applies to both S2BVEM and S4VEM unless indicated otherwise.

- Technical holding time and temperature compliance.
- Initial calibration response factors (RFs) and relative standard deviations (RSDs).
- Initial calibration verification (ICV).
- Continuing calibration verification (CCV).
- Method, equipment, and calibration blank contamination.
- Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) accuracy and precision.
- Matrix spike/matrix spike duplicate (MS/MSD) accuracy and precision.
- Post-digestion spike accuracy.
- Surrogate accuracy.
- Serial dilution percent difference.
- Laboratory replicate (LR) precision.
- Instrument performance.
- Internal standard recovery.
- Field duplicate precision.
- Analyte limit of quantitation (LOQ) and quantitation results.
- Re-calculation of quantitative results for calibrations, QC samples and project samples. (S4VEM).
- Review of quantitative reports and chromatography (S4VEM).

The electronic portion of the review, which is performed by the Gilbane Environmental Data Management System (eDMS), addresses QC parameters such as MS/MSDs, LCS/LCSDs, surrogates, method blanks, and holding times. The Gilbane eDMS produces an Automated Data Review (ADR) summary noting any anomalies and subsequent data qualifiers resulting from the anomalies. The Gilbane Project Chemist reviewed the ADR and performed the manual portion of the data review that addresses QC parameters such as custody trail, initial and continuing calibration, and instrument performance. The electronic validation and the results of the manual validation are contained in the “Narrative Comments” and/or “QC Outlier Report” sections of the ADR and are reflected in the “Qualified Results” and “All Qualified Results Table” of the ADR. **Attachment 1** of this CQAR presents the ADRs reviewed for the February and September 2018 BRA Unit 33 incremental soil sampling events.

Table 2-1 provides a summary of the laboratory sample delivery groups (SDGs), collection dates and analyte groups for the incremental soil events discussed in this CQAR. The laboratory reports for each SDG are presented in **Attachment 2**.

**Table 2-1
Summary of Sample Delivery Groups and Collection Dates**

SDG	Analytes	2018 Collection Date
FA51672	Lead	February 28
FA58023R	Lead	September 25, 26

The lead data from both SDGs underwent S2BVEM. The lead data in SDG FA58023R associated with samples 33-01SO200000, 33-01SO200000Q, and 33-01SO210000, underwent S4VEM.

2.1 QUALIFIED RESULTS

Data qualifiers are defined in Worksheet #36 of the QAPP. The following qualifiers have been applied as appropriate to the data reviewed for this CQAR.

Data Qualifiers

- “J” indicates that the analyte was detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific QC criteria and/or the analyte was detected at a concentration between the detection limit (DL) and LOQ.

The data qualifier reasons (DQ reasons) listed below are the codes used to define the anomalies and the basis for qualification.

DQ Reasons

- “B1” indicates that the analyte was detected in the associated method blank.
- “D5” indicates that the field duplicate precision was outside criteria.
- “TR” indicates that the result was reported between the DL and the LOQ.

Refer to “Table of All Qualified Results” in the ADR for each SDG in **Attachment 1** of this CQAR for the DQ reasons applied to qualified results.

The following subsections discuss the quality of the data and reasons for qualifications.

Estimated Results (“J” or “UJ”)

Out of 34 lead results reported for the February and September 2018 BRA incremental soil sampling events, two results were qualified as “J” for an estimated value for one or more QC issues.

Qualified Results Due to Blank Contamination (“U”)

Out of 34 lead results reported for the February and September 2018 BRA incremental soil sampling events, two results were qualified as “U” for non-detect at the LOQ or observed value due to blank contamination.

Excluded (“X”) or Rejected Results (“R”)

Out of 34 lead results reported for the February and September 2018 BRA incremental soil sampling events, no results were excluded (“X”) or rejected (“R”) for QC anomalies.

2.2 ESTIMATED LOW CONCENTRATION

The laboratory reports analyte concentrations between the DL and LOQ. If any concentrations are detected between the DL and LOQ they are qualified as estimated by the laboratory because of the increased quantitative uncertainty in the result as the concentration of the analyte approaches the DL.

Qualification of results as estimated due to low concentrations of analytes is expected due to the sensitivity of the analytical methodology used and the low concentrations of many analytes. Qualification for low concentrations is not due to method performance or analytical program issues. Results remain usable with qualification, so data usability is not affected. Results qualified for trace values are not reported in the individual ADRs by SDG in Attachment 1, unless otherwise qualified for other QC reasons.

Out of 34 lead results reported for the February and September 2018 BRA incremental soil events, eight lead results (five soil results and three equipment rinsate results) were qualified as estimated, “J,” for values reported between the DL and LOQ (DQ reason “TR”).

2.3 HOLDING TIME AND PRESERVATION

Extraction and analysis holding-time limits and sample preservation are used to ensure that samples are representative of the site at the time of their collection. Out of 34 lead results, there were no results qualified for holding time exceedances.

2.4 CALIBRATION

The initial calibrations were evaluated for proper curve fit and analyte responses. The ICV and CCV summaries were evaluated for instrument drift from the last initial calibration. For the S4VEM, the ICVs, CCVs and/or the initial calibration RFs and RSDs were re-calculated and verified from the raw data. Out of 34 lead results in the dataset, there were no results qualified for calibration anomalies.

2.5 BLANK CONTAMINATION

Method, calibration, and equipment blanks (EBs) were analyzed to measure laboratory and field contamination. Out of 34 lead results in the dataset, two results were qualified “U” at the limit of detection (LOD) due to method blank contamination (DQ reason “B1”), representing 5.9% of the dataset.

2.6 LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE

LCS/LCSDs are synthetic samples spiked with the compounds of concern and prepared and analyzed using the same procedure used for the primary project samples. LCSs and/or LCSDs are

analyzed at the frequency specified in the methods and are used to further monitor the analytical process and provide a measurement of accuracy and precision. An LCSD is not required if another measurement of precision (such as an MSD or LR) is provided. A single LCS was reported for each method, per SDG, for the 2018 events. For the S4VEM, the LCS results were re-calculated and verified from the raw data. No results were qualified due to LCS recovery anomalies.

2.7 MATRIX SPIKE/MATRIX SPIKE DUPLICATE AND REPLICATES

MS/MSDs are project samples spiked with the compounds of concern, and prepared and analyzed using the same procedures as those used for the primary project samples, to monitor the analytical process. An LR is a primary project sample that is prepared and analyzed twice to monitor the analytical process. The MS/MSD percent recoveries and the MS/MSD and LR relative percent differences (RPDs) were reviewed. For the S4VEM, the MS/MSD and LR results were re-calculated and verified from the raw data.

The QAPP stipulates that one in 20 primary project samples should be analyzed for MS/MSD or replicate analysis, representing a 5% frequency. Two MS/MSDs were analyzed for the February 2018 event and one MS/MSD was analyzed in September, at a rate of 6.25% (3 MS/MSDs for 48 primary samples). Thus the 5% goal was exceeded for the analytical method associated with this CQAR. No results were qualified due to MS/MSD accuracy or precision anomalies.

2.8 POST DIGESTION SPIKE

For EPA Method 6010C analysis, a post-digestion spike is prepared from the sample used for the MS/MSD, to determine if matrix interferences are present. The compounds of concern are added to the sample after digestion and then analyzed using the same procedures as those used for the primary project samples. Acceptable recovery for the post-digestion spike is 80% to 120% of the true value. There were no results qualified for post-digestion spike anomalies.

2.9 SERIAL DILUTION

For EPA Method 6010C analyses, serial dilutions are prepared from project samples with sufficiently high concentrations of target metals and analyzed at five times (5x) dilution to monitor matrix interference. If the percent difference between the original determination and the serial dilution analysis is greater than 10%, some type of matrix interference is indicated. For the S4VEM, the serial dilution results were re-calculated and verified from the raw data. There were no results qualified for serial dilution anomalies.

2.10 INTERNAL AND SURROGATE STANDARD RECOVERIES

Internal standards were added to the lead samples prior to analysis and the recoveries of the internal standards and surrogates were reviewed. For the S4VEM, the surrogate results were re-calculated and verified from the raw data. There were no results that required qualification of the data due to internal standard recovery anomalies.

2.11 INSTRUMENT PERFORMANCE

Interference check samples (ICSs) were analyzed by EPA Method 6010C to verify the instrument's ability to overcome other metals interferences typical of those found in soil samples. For the S4VEM, the ICS results were recalculated and verified from the raw data. No results were qualified due to ICS recovery out of control limits.

2.12 ANALYTE IDENTIFICATION AND QUANTITATION

Lead by EPA Method 6010C was the compound of concern for the February and September 2018 BRA Unit 33 incremental soil sampling events at Fort Ord. The DL, LOD, and LOQ for lead in soil for a 1x analysis met the decision limits as defined in Worksheet #15 of the QAPP. The DL is the minimum quantity of an analyte that can be reliably distinguished from background noise or from zero for a specific analytical method at a 99-percent confidence level. The DL protects against false positives. The LOD is the minimum quantity of an analyte that can be reliably detected for a specific analytical method at a 99 percent confidence level that the value is not a false negative. The LOD should be equivalent to the concentration of the DL verification standard. The LOQ represents the smallest quantity of an analyte that can be accurately and reproducibly quantified in a given sample matrix (e.g., three to five times the LOD). The laboratory reported non-detects at the LOD and positive results down to the DL. All lead results in soil were reported with dilutions of 5x or 10x, and no detection limits were raised without just cause.

For the S4VEM, quantitative results for the selected samples were calculated from the instrument values and preparation logs from the raw data. All recalculated sample and QC sample quantitative results were verified.

3.0 FIELD PROCEDURES

The BRA Unit 33 incremental soil sampling events at Fort Ord were conducted in February and September 2018. The collection dates for each SDG are specified in **Table 2-1**.

Each sample collected consists of seven soil increments collected from a small area (approximately 4 feet in diameter) that are combined to form a single composite incremental sample for processing and analysis by the laboratory. Incremental samples were collected at the surface and at 1 and 2 feet below the surface (step-down samples). The laboratory processed (air dried and sieved down to 0.25 mm for lead) and analyzed the surface samples first. For lead analysis, a 5-gram sample was extracted and analyzed. Step-down incremental samples from below the surface were processed and analyzed if elevated concentrations of lead were reported in the surface samples. Where lead concentrations exceeded the decision criteria in several associated surface samples, step-down samples were analyzed and reported in SDG FA51672. Where concentrations of lead were found to exceed the decision criteria in the step-down samples from February 2018, step-out or horizontal incremental samples in the four cardinal directions from the original location were collected in September 2018, and analyzed and reported in SDG FA58023R.

All samples were collected in accordance with the QAPP, with no external problems that prohibited collecting or shipping the samples to the laboratory.

3.1 SAMPLE SHIPMENT AND STORAGE

The sampling team properly stored samples after collection until they were relinquished under proper custody to FedEx for delivery to the primary laboratory (a secure facility). The water blank samples were received within the QAPP criteria of 6 degrees Celsius or less. There is no QAPP temperature storage requirement for samples analyzed for lead in soil.

Upon receipt by the laboratory, samples were cross-checked with the chain of custody documentation for completeness, entered into the laboratory's data system, and securely stored at the proper temperature.

3.2 FIELD DUPLICATES

For this project, the QAPP requires that one field duplicate be collected for each 10 primary samples collected (a 10% frequency) to measure precision and evaluate the laboratory sample processing method.

- Out of 27 primary samples analyzed for lead, three field duplicate pairs were collected, for a frequency of 11.1%.

The field duplicate frequency was met for lead samples. For field duplicate pair results greater than 5x the LOQ, the RPDs were calculated, and for field duplicate pair results less than 5x the LOQ, the absolute differences were calculated to provide measurements of precision. Out of 34 lead results in the dataset, one duplicate pair of lead results (5.9%) was qualified as estimated, "J," due to field duplicate imprecision (DQ reason "D5").

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4.0 CONCLUSIONS AND DATA USABILITY

The analytical methods used for this project were selected to provide quality data sufficient to meet DQOs and project sensitivity requirements. DQOs were reviewed in terms of the indicator parameters precision, accuracy, representativeness, completeness, comparability, and sensitivity (PARCCS). The PARCCS parameters are discussed in the subsections below.

4.1 QUALITY CONTROL SAMPLES

Field QC samples for this project included field duplicates and EB samples. One EB was collected for each day of sampling. The field duplicate frequency of 10% was met for the lead samples.

Laboratory QC included precision and accuracy in the form of MS/MSD pairs, laboratory replicates, serial dilutions, post-digestion spikes, LCSs, surrogates, ICVs, and CCVs analyzed at the frequencies indicated in the discussion of the methods in **Section 2.0**. For S4VEM, a portion of the reported results and percent recoveries, drifts, and differences or RPDs from the above laboratory QC samples were calculated and verified from the raw data.

Precision: Precision is a measure of the repeatability of a single measurement. The precision of the dataset was assessed by evaluating the RPDs or absolute differences between primary and duplicate samples (e.g., field duplicates, MS/MSDs, and laboratory replicates). Out of 34 lead results in the dataset, there were two results qualified “J” due to precision anomalies.

Accuracy: Accuracy is a measure of recovery of the actual concentration of a compound. The accuracy of the dataset was assessed by the MS/MSDs, laboratory replicates, serial dilution, post-digestion spike, LCS, surrogate, ICV, and CCV percent recoveries, differences, or drifts. No results were qualified due to accuracy anomalies.

Representativeness: Representativeness of the dataset is determined by the degree to which the data represent the samples submitted to the laboratory. Holding times, preservation, blank results, and percent moisture in soil affect the representativeness of a sample. Out of 34 lead results reported, two lead results were qualified “U” due to representativeness anomalies.

Comparability: The analytical methods used for analysis affect the comparability of the dataset. The methods used for this project are listed in **Section 2.2** and are standard, peer-reviewed methods as determined by the QAPP. The analytical methods provided units of measure and reporting limits similar to past soil data.

Completeness: The completeness of the dataset is determined by the number of acceptable primary results after data review.

Only the results for primary or normal project samples were used in the calculation to determine the completeness of the data. Out of 27 primary sample results, three results (or 11.1% of the primary results) were qualified as an estimated value, “J,” or not detected at the LOD, “U,” for one or more QC reasons. Out of 27 primary results, no results were excluded or rejected. Therefore, the completeness of the analytical dataset is 100%, which exceeds the QAPP goal of 95% for primary samples. The results can be used for their intended purpose as qualified. The field

sampling completeness is 27 of 27 lead samples planned (100%), which exceeds the sampling completeness goal of 95%.

Sensitivity: The DL, LOD, and LOQ were evaluated to determine if the laboratory was able to attain the required sensitivity for the project.

The DL, LOD, and LOQ for lead in soil for the 5x and 10x dilution analyses run meet the decision limits as defined in Worksheet #15 of the QAPP. All soil samples analyzed for lead were analyzed with dilution, and all results were detected above the LOD except where qualified as non-detect at the LOQ for blank contamination. All raised detection limits were adjusted appropriately.

4.2 CONCLUSION

The qualifiers applied for the February and September 2018 BRA Unit 33 sampling events were for poor field duplicate precision and trace lead amounts found in method blanks.

The data generated for the February and September 2018 BRA Unit 33 incremental soil sampling events met the project objective of providing a statistically representative sample of the worst-case locations within the decision unit for comparison with the 2009 Record of Decision (ROD) Amendment. The data are usable to evaluate the protectiveness statements made in the ROD Amendment and to evaluate potential risks to ecological receptors as indicated in the DQOs in the QAPP. Overall, as shown in the attached ADRs, the seven-point incremental approach, and the step-down and step-out sampling, generated sufficient data to evaluate the characteristics of the lead in soil data. All associated data as qualified are of acceptable quality, and should be considered usable for their intended purposes.

5.0 REFERENCES

KEMRON, 2016. *Quality Assurance Project Plan, Former Fort Ord, California, Volume 1, Appendix B, Soil Sampling, Basewide Range Assessment (QAPP)*. June.

U.S. Department of Defense (DoD), 2018. *Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories*, Version 5.1.1. February.

U.S. Environmental Protection Agency (EPA), 2007. *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*. EPA publication SW-846. Revision 6, February. (Most current version available on line at <http://www.epa.gov/osw/hazard/testmethods/sw846/online/index.htm#table>.)

EPA, 2009. *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use*. 540-R-08-005. Prepared by the Office of Solid Waste and Emergency Response. January.

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ATTACHMENT 1

AUTOMATED DATA REVIEW SUMMARY REPORTS

(PROVIDED ON CD)

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Facility: Fort Ord
 Event: Basewide Range Assessment February 2018
 SDG: FA51672
 Guidance Document: QAPP Volume 1, Appendix B, Soil Sampling, Basewide Range Assessment, June 2016
 Prime Contractor: Gilbane Company, Walnut Creek, CA
 Project Manager: Erin Caruso
 Contract Laboratory: SGS Accutest Southeast
 Data Review Contractor: Gilbane Federal
 Data Review Level: S2BVEM
 Primary Data Reviewer: Thomas Beer, Project Chemist
 Second Reviewer: Kristen Carlyon, Senior Chemist
 Date Submitted: August 30, 2018

Field Sample ID	Lab Sample ID	Matrix	Type/Type Code	SW6010C	SW6020A
33FB-ER01SC020618	FA51672-24	Water	Ambient Blank/AB	X	
33FBQ-ER01SC020618	FA51672-25	Water	Ambient Blank/AB	X	
33-ER01SC020618	FA51672-23	Water	Equipment Blank/EB	X	
33-ER01SC020718	FA51672-26	Water	Equipment Blank/EB	X	
33-01SOM040000Q	FA51672-8	Solid	Field Duplicate/FD	X	
33-01SOM080001Q	FA51672-18	Solid	Field Duplicate/FD	X	
33-01SOM010000	FA51672-1	Solid	Field Sample/N	X	
33-01SOM010001	FA51672-2	Solid	Field Sample/N	X	
33-01SOM020000	FA51672-3	Solid	Field Sample/N	X	
33-01SOM020001	FA51672-4	Solid	Field Sample/N	X	
33-01SOM030000	FA51672-5	Solid	Field Sample/N	X	
33-01SOM030001	FA51672-6	Solid	Field Sample/N	X	
33-01SOM040000	FA51672-7	Solid	Field Sample/N	X	
33-01SOM040001	FA51672-9	Solid	Field Sample/N	X	
33-01SOM050000	FA51672-10	Solid	Field Sample/N	X	
33-01SOM050001	FA51672-11	Solid	Field Sample/N	X	
33-01SOM060000	FA51672-12	Solid	Field Sample/N	X	
33-01SOM060001	FA51672-13	Solid	Field Sample/N	X	
33-01SOM070000	FA51672-14	Solid	Field Sample/N	X	
33-01SOM070001	FA51672-15	Solid	Field Sample/N	X	

Field Sample ID	Lab Sample ID	Matrix	Type/Type Code	SW6010C	SW6020A
33-01SOM080000	FA51672-16	Solid	Field Sample/N	X	
33-01SOM080001	FA51672-17	Solid	Field Sample/N	X	
33-01SOM090000	FA51672-19	Solid	Field Sample/N	X	
33-01SOM090001	FA51672-20	Solid	Field Sample/N	X	
33-01SOM100000	FA51672-21	Solid	Field Sample/N	X	
33-01SOM100001	FA51672-22	Solid	Field Sample/N	X	

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the QAPP Volume 1, Appendix B, Soil Sampling, Basewide Range Assessment, June 2016 and the additional guidance documents incorporated by reference to the extent possible. Where definitive guidance is not provided, results have been evaluated in a conservative manner using professional judgment.

Sample collection was managed and directed by Gilbane Company, Walnut Creek, CA; analyses were performed by SGS Accutest Southeast and were reported under sample delivery group (SDG) FA51672. Data have been evaluated electronically based on electronic data deliverables (EDDs) provided by the laboratory, and hard copy data summary forms have also been reviewed during this effort and compared to the automated review output by the reviewers whose signatures appear on the following page. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative and throughout this report.

All quality control (QC) elements associated with this SDG have been reviewed by a project chemist in accordance with the requirements defined for the project. This review is documented in the attached Data Review Checklists. The QC elements listed below were supported by the electronic deliverable and were evaluated using ADR processes.

- Ambient Blank
- Blank
- Blank - Negative
- Equipment Blank
- Field Duplicate
- Lab Replicate RPD
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Test Hold Time

Results of the ADR process were subsequently reviewed and updated as applicable by the data review chemists identified on the signature page. Quality control elements that were not included in the electronic deliverable were reviewed manually and findings are documented within this report. Summaries of findings and associated qualified results are documented throughout this report.

A total of 2 results (7.69%) out of the 26 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. Trace values, defined as results that are qualified as estimated because they fall between the limit of detection and the reporting limit/limit of quantitation, are not counted as qualified results in the above count. The qualified results are detailed throughout this report and discussed in the narrative below, where appropriate.



Narrative Comments

Reviewer checked SGS lab report, case narrative, and COCs as received.

Analytical Method	Data Reviewer Comment
SW6010C	ADR qualifiers removed for acceptable LCS recoveries, low field blank detects, and acceptable field duplicate precision.

May 14, 2018

Reviewed by Thomas Beer, Project Chemist, Gilbane Federal

As the First Reviewer, I certify that I have performed a data review process in accordance with the requirements of the project guidance document, and have compared the electronic data to the laboratory's hard copy report and have verified the consistency of a minimum of 10% of the reported sample results and method quality control data between the two deliverables.

August 30, 2018

Reviewed by Kristen Carlyon, Senior Scientist, Gilbane Federal

As the Second Reviewer, I certify that I have performed a quality assurance review of the report generated by the First Reviewer.

Quality Control Outliers for test method SW6010C, Blank

Sample ID/ Lab Sample ID	Analyte	Result	Warning Limits	Control Limits	Units	Qualifier	Reason Code	Comment
MP33398-MB1 (LB)/ MP33398-MB1	Lead	0.2400	< 0.1	< 2	mg/kg	U/None	B1	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results. Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

Qualified Results associated with the Blank for SW6010C

FieldSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
33-01SOM020001	N	Lead	1.90	1.50	1.90 U		mg/kg	B1
33-01SOM030001	N	Lead	2.00	1.60	2.00 U		mg/kg	B1

Analytes not found in project samples are reported as not detected at the limit of detection (LOD).



Quality Control Outliers for test method SW6010C, LCS Recovery

Sample ID/ Lab Sample ID	Analyte	Result	Warning Limits	Control Limits	Units	Qualifier	Reason Code	Comment
MP33398-B1 (BS)/ MP33398-B1	Lead	222.0	81 - 112	50 - 122	percent	J/None	L	
MP33399-B1 (BS)/ MP33399-B1	Lead	212.0	81 - 112	50 - 122	percent	J/None	L	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results. Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

No results associated with this QC element required qualification.

Quality Control Outliers for test method SW6010C, MS Recovery

Sample ID/ Lab Sample ID	Analyte	Result	Warning Limits	Control Limits	Units	Qualifier	Reason Code	Comment
33-01SOM030000 (SD)/ MP33398-S2	Lead	-200.4	81 - 112	50 - 122	percent	J/R	M	Spike amount Insignificant
33-01SOM080001Q (MS)/ MP33399-S1	Lead	196.5	81 - 112	50 - 122	percent	J/None	M	
33-01SOM080001Q (SD)/ MP33399-S2	Lead	208.3	81 - 112	50 - 122	percent	J/None	M	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results. Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

No results associated with this QC element required qualification.



Quality Control Outliers for test method SW6020A, Ambient Blank

Sample ID/ Lab Sample ID	Analyte	Result	Warning Limits	Control Limits	Units	Qualifier	Reason Code	Comment
33FB-ER01SC020618 (AB)/ FA51672-24	Lead	0.3000	< 0.2	< 2	ug/l	U/None	A1	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results. Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

No results associated with this QC element required qualification.

Quality Control Outliers for test method SW6020A, Equipment Blank

Sample ID/ Lab Sample ID	Analyte	Result	Warning Limits	Control Limits	Units	Qualifier	Reason Code	Comment
33-ER01SC020618 (EB)/ FA51672-23	Lead	0.4200	< 0.2	< 2	ug/l	U/None	K1	
33-ER01SC020718 (EB)/ FA51672-26	Lead	1.500	< 0.2	< 2	ug/l	U/None	K1	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results. Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

No results associated with this QC element required qualification.



Table of All Qualified Results

Test Method: SW6010C Extraction Method: SW3050B

FieldSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
33-01SOM020001	N	Lead	1.90	1.50	1.90 U		mg/kg	B1
33-01SOM030001	N	Lead	2.00	1.60	2.00 U		mg/kg	B1

Analytes not found in project samples are reported as not detected at the limit of detection (LOD).
Trace values are not included in the qualified results table unless additional reason codes are associated.

Table of Results with Modified Qualifiers

Modified Qualifiers for test method SW6010C

FieldSample ID	Type	Analyte	LOQ	Lab Result	ADR Result	Modified Result	Reason
33-01SOM010000	N	Lead	4.00	788	788 J	788	
33-01SOM010001	N	Lead	2.00	3.70	3.70 J	3.70	
33-01SOM020000	N	Lead	4.00	427	427 J	427	
33-01SOM020001	N	Lead	1.90	1.50	1.90 U	1.90 U	B1
33-01SOM030000	N	Lead	4.00	523	523 J	523	
33-01SOM030001	N	Lead	2.00	1.60	2.00 U	2.00 U	B1
33-01SOM040000	N	Lead	4.00	354	354 J	354	
33-01SOM040000Q	FD	Lead	4.00	385	385 J	385	
33-01SOM040001	N	Lead	2.00	2.20	2.20 J	2.20	
33-01SOM050000	N	Lead	4.00	515	515 J	515	
33-01SOM050001	N	Lead	1.90	12.4	12.4 J	12.4	
33-01SOM060000	N	Lead	3.90	148	148 J	148	
33-01SOM060001	N	Lead	3.90	339	339 J	339	
33-01SOM070000	N	Lead	4.00	184	184 J	184	
33-01SOM070001	N	Lead	1.90	1.30	1.30 U	1.30 J	TR
33-01SOM080000	N	Lead	4.00	105	105 J	105	
33-01SOM080001	N	Lead	2.00	1.20	1.20 U	1.20 J	TR
33-01SOM080001Q	FD	Lead	1.90	1.30	1.30 U	1.30 J	TR
33-01SOM090000	N	Lead	3.90	184	184 J	184	
33-01SOM090001	N	Lead	2.00	1.20	1.20 U	1.20 J	TR
33-01SOM100000	N	Lead	4.00	771	771 J	771	
33-01SOM100001	N	Lead	2.00	1.90	1.90 U	1.90 J	TR

Analytes not found in project samples are reported as not detected at the limit of detection (LOD).
Trace values are not included in the qualified results table unless additional reason codes are associated.

Reason Code Definitions

Code	Definition
A1	Ambient Blank
B1	The analyte was found in an associated method blank.
K1	Detected in the associated equipment rinsate blank.
L	Percent recovery of laboratory control sample recovery was outside established limits
M	Matrix spike recovery was outside established criteria.
TR	Trace Level Detect

Flag Code and Definitions

Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
B	Blank contamination: The analyte was found in an associated blank above one half the RL, as well as in the sample.
UB	The analyte was also detected in an associated laboratory or field blank at a concentration comparable to the concentration in the sample. The reported result has been requalified as not detected.

Review Questions

Method: SW6010C (Trace Metals by Inductively Coupled Plasma/Atomic Emission Spectrometry)

Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	•			
Stage 2 Review: COC - Temperature/Condition?	•			Received at 3.2 deg. C
Stage 2 Review: COC - Receipt anomalies?	•			None noted
Stage 2 Review: COC - Sample/Methods checked?	•			All Pb in soil by 6010C
Stage 2 Review: Case Narrative - Anomalies?	•			MS/MSD %R out; serial dilution SD1 RPDs out; PS1 spike %R out. SD < 50x MDL.
Stage 2 Review: Samples - Collection date?	•			Collected 2/6 and 2/7/2018
Stage 2 Review: Samples - Digestion date?	•			Prepped 2/28
Stage 2 Review: Samples - Analysis date?	•			Analyzed 3/01 and 3/02/2018
Stage 2 Review: Samples - Holding time?	•			All prepped and analyzed within 18 days; < 180-day hold time
Stage 2 Review: Samples - Batching?	•			Batch MP33398 - 11 soils; Batch MP33399 - 11 soils; Batch MP33363: 2FB and 2 ER
Stage 2 Review: Samples - Lab qualifiers?	•			Minor J trace only
Stage 2 Review: Calibration - ICAL?	•			ICAL 2/22/2018 r2 good
Stage 2 Review: Calibration - ICV?	•			ICV 2/22/2018
Stage 2 Review: Calibration - CCV?	•			CCV 2/22/2018
Stage 2 Review: Calibration - CCB?	•			2/22/18 - CCB1-6 all < 1; 3/1/18 - CCB1-6 all < 1; 3/2/18 - CCB1-12 all < 5.
Stage 2 Review: Calibration - ICSA?	•			1 per batch, results good
Stage 2 Review: Calibration - ICSAB?	•			1 per batch, %R good except 3/2/18 ICSA2 -15 %R out
Stage 2 Review: Blank - Method blank?		•		1 MB per batch, MB33398 2/28/18 Pb 0.24J. Quals 2x U B1
Stage 2 Review: Blank - Equipment blank?	•			ER01 2/6/18 Pb 0.42J; ER01 2/7/18 Pb 1.5J: approx. 0.0084 mg/kg, and 0.03 mg/kg in soil [using 5g/100ml], no soil quals required. FB01 2/6/18 Pb 0.3J: approx. 0.006 mg/kg in soil [using 5g/100ml], no soil quals required
Stage 2 Review: Samples - Internal Standards?	•			
Stage 2 Review: Precision/Accuracy - Lab Replicate?	•			SDG 51672R includes 5 samples for re-analysis. All RPDs < 5% - good
Stage 2 Review: Precision/Accuracy - MS/MSD?	•			MP33398 MS/MSD %R 52.4/-200.4; [sample FA51672-5] >>[spike conc.] No Quals.
Stage 2 Review: Precision/Accuracy - LCS/LCSD?	•			1 LCS only per batch; all w/in 80-120%R, good
Stage 2 Review: Precision/Accuracy - Serial Dilution?	•			1 per batch, one SD out high due to low initial conc., no quals
Stage 2 Review: Quantitation - PQLs?	•			LODs << PQL
Stage 2 Review: Quantitation - Dilution Factor?	•			DF 5 or 10 for all soils; DF 2 for QC waters. LOD/LOQ adjusted
Stage 2 Review: Quantitation - Results (i.e. correct analytes)?	•			Pb only for all samples
Stage 2 Review: Field Duplicates - RPD within limits?	•			FD pairs 33-01SOM080001/1Q and 33-01SOM040000/0Q, RPDs 0% and 8.4%, good No Quals
Stage 2 Review: Precision/Accuracy - Post Digestion Spike?	•			1 per prep batch, each post spike out due to high level in samples versus spike conc. No quals.



Field Duplicate Report By SDG
BRA Kemron Soil Sampling
QAPP Vol 1, App B, BRA, Jun 2016
Field Duplicates for SDG: FA51672

Location **Analysis**
33-01-S13 SW6010C

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
33-01SOM040000 / 33-01SOM040000Q	FA51672-7 / FA51672-8	Lead	354	385	4.00	8.39	30	OK	NA

Location **Analysis**
33-01-S17 SW6010C

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
33-01SOM080001 / 33-01SOM080001Q	FA51672-17 / FA51672-18	Lead	1.20	1.30	2.00	8.00	30	NA	OK

FD = Field Duplicate
RL = Reporting Limit
RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil

Data Validation Report for FA58023



Facility: Fort Ord
 Event: Basewide Range Assessment Unit 33 2018
 SDG: FA58023
 Guidance Document: QAPP Volume 1, Appendix B, Soil Sampling, Basewide Range Assessment, June 2016
 Prime Contractor: Gilbane Company, Walnut Creek, CA
 Project Manager: Erin Caruso
 Contract Laboratory: SGS NORTH AMERICA, INC., ORLANDO, FL
 Data Review Contractor: Gilbane Federal
 Data Review Level: S2B/S4VEM
 Primary Data Reviewer: Thomas Beer, Project Chemist
 Second Reviewer: Kristen Carlyon, Senior Chemist
 Date Submitted: December 19, 2018

Field Sample ID	Lab Sample ID	Matrix	Type/Type Code	A2540G	SW6010C
33-ER02SC092518	FA58023-25	Water	Equipment Blank/EB	X	
33-ER03SC092618	FA58023-26	Water	Equipment Blank/EB	X	
33-01SO200000Q	FA58023-4	Solid	Field Duplicate/FD	X	X
33-01SO200001Q	FA58023-5	Solid	Field Duplicate/FD	X	
33-01SO200002Q	FA58023-6	Solid	Field Duplicate/FD	X	
33-01SO200000	FA58023-1	Solid	Field Sample/N	X	X
33-01SO200001	FA58023-2	Solid	Field Sample/N	X	
33-01SO200002	FA58023-3	Solid	Field Sample/N	X	
33-01SO210000	FA58023-7	Solid	Field Sample/N	X	X
33-01SO210001	FA58023-8	Solid	Field Sample/N	X	
33-01SO210002	FA58023-9	Solid	Field Sample/N	X	
33-01SO220000	FA58023-10	Solid	Field Sample/N	X	X
33-01SO220001	FA58023-11	Solid	Field Sample/N	X	
33-01SO220002	FA58023-12	Solid	Field Sample/N	X	
33-01SO230000	FA58023-13	Solid	Field Sample/N	X	X
33-01SO230001	FA58023-14	Solid	Field Sample/N	X	
33-01SO230002	FA58023-15	Solid	Field Sample/N	X	
33-01SO240000	FA58023-16	Solid	Field Sample/N	X	X
33-01SO240001	FA58023-17	Solid	Field Sample/N	X	
33-01SO240002	FA58023-18	Solid	Field Sample/N	X	

Field Sample ID	Lab Sample ID	Matrix	Type/Type Code	A2540G	SW6010C
33-01SO250000	FA58023-19	Solid	Field Sample/N	X	X
33-01SO250001	FA58023-20	Solid	Field Sample/N	X	
33-01SO250002	FA58023-21	Solid	Field Sample/N	X	
33-01SO260000	FA58023-22	Solid	Field Sample/N	X	X
33-01SO260001	FA58023-23	Solid	Field Sample/N	X	
33-01SO260002	FA58023-24	Solid	Field Sample/N	X	

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the QAPP Volume 1, Appendix B, Soil Sampling, Basewide Range Assessment, June 2016 and the additional guidance documents incorporated by reference to the extent possible. Where definitive guidance is not provided, results have been evaluated in a conservative manner using professional judgment.

Sample collection was managed and directed by Gilbane Company, Walnut Creek, CA; analyses were performed by SGS NORTH AMERICA, INC., ORLANDO, FL and were reported under sample delivery group (SDG) FA58023. Data have been evaluated electronically based on electronic data deliverables (EDDs) provided by the laboratory, and hard copy data summary forms have also been reviewed during this effort and compared to the automated review output by the reviewers whose signatures appear on the following page. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative and throughout this report.

All quality control (QC) elements associated with this SDG have been reviewed by a project chemist in accordance with the requirements defined for the project. This review is documented in the attached Data Review Checklists. The QC elements listed below were supported by the electronic deliverable and were evaluated using ADR processes.

- Blank
- Blank - Negative
- Equipment Blank
- Field Duplicate
- Lab Replicate RPD
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Test Hold Time

Results of the ADR process were subsequently reviewed and updated as applicable by the data review chemists identified on the signature page. Quality control elements that were not included in the electronic deliverable were reviewed manually and findings are documented within this report. Summaries of findings and associated qualified results are documented throughout this report.

A total of 2 results (5.88%) out of the 34 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. Trace values, defined as results that are qualified as estimated because they fall between the limit of detection and the reporting limit/limit of quantitation, are not counted as qualified results in the above count. The qualified results are detailed throughout this report and discussed in the narrative below, where appropriate.

Narrative Comments

Reviewer checked SGS lab report, case narrative, and COC as received. The lab report was reissued on 11/27/18 to correct the blank spike (LCS) concentration, and the report now reflects the correct spike recovery. Recalculations for S4VEM were performed on 10% (3 samples, plus QC) of the data.

Analytical Method	Data Reviewer Comment
SW6010C	ADR qualifiers removed for acceptable LCS recoveries.

November 21, 2018

Reviewed by Thomas Beer, Project Chemist, Gilbane Federal

As the First Reviewer, I certify that I have performed a data review process in accordance with the requirements of the project guidance document, and have compared the electronic data to the laboratory's hard copy report and have verified the consistency of a minimum of 10% of the reported sample results and method quality control data between the two deliverables.

December 18, 2018

Reviewed by Kristen Carlyon, Senior Scientist, Gilbane Federal

As the Second Reviewer, I certify that I have performed a quality assurance review of the report generated by the First Reviewer.

Quality Control Outliers for test method SW6010C, Field Duplicate

Sample ID/ Lab Sample ID	Analyte	Result	Warning Limits	Control Limits	Units	Qualifier	Reason Code	Comment
33-01SO200000 (N)/ FA58023-4	Lead	104.0	< 30	< 60	rpd	J/UJ	D5	

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results. Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

Qualified Results associated with the Field Duplicate for SW6010C

FieldSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
33-01SO200000	N	Lead	4.00	127	127 J		mg/kg	D5
33-01SO200000Q	FD	Lead	4.00	40.1	40.1 J		mg/kg	D5

Analytes not found in project samples are reported as not detected at the limit of detection (LOD).

Quality Control Outliers for test method SW6010C, MS Recovery

Sample ID/ Lab Sample ID	Analyte	Result	Warning Limits	Control Limits	Units	Qualifier	Reason Code	Comment
33-01SO210000 (MS)/ MP34493-S1	Lead	304.4	81 - 112	50 - 122	percent	J/None	M	Spike amount Insignificant
33-01SO210000 (SD)/ MP34493-S2	Lead	303.6	81 - 112	50 - 122	percent	J/None	M	Spike amount Insignificant

Where two qualifiers are listed, such as 'J/UJ', the first applies to positive results, and the second to non-detect results. Upper and Lower Warning and Control Limits are abbreviated UWL, LWL, UCL, and LCL in the Comment field.

No results associated with this QC element required qualification.



Table of All Qualified Results

Test Method: SW6010C Extraction Method: SW3050B

FieldSample ID	Type	Analyte	LOQ	Lab Result	Qualified Result	Bias	Units	Reason
33-01SO200000	N	Lead	4.00	127	127 J		mg/kg	D5
33-01SO200000Q	FD	Lead	4.00	40.1	40.1 J		mg/kg	D5

Analytes not found in project samples are reported as not detected at the limit of detection (LOD).
Trace values are not included in the qualified results table unless additional reason codes are associated.

Results with Modified Qualifiers

No qualifiers associated with this sample delivery group were modified manually.

Reason Code Definitions

Code	Definition
D5	Field duplicate precision
M	Matrix spike recovery was outside established criteria.
TR	Trace Level Detect

Flag Code and Definitions

Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
B	Blank contamination: The analyte was found in an associated blank above one half the RL, as well as in the sample.
UB	The analyte was also detected in an associated laboratory or field blank at a concentration comparable to the concentration in the sample. The reported result has been requalified as not detected.

Review Questions

Method: SW6010C (Trace Metals by Inductively Coupled Plasma/Atomic Emission Spectrometry)

Review Questions	Yes	No	NA	Comment
Stage 2 Review: COC - Custody Trail?	•			
Stage 2 Review: COC - Temperature/Condition?	•			Received at 3 deg. C
Stage 2 Review: COC - Receipt anomalies?	•			None noted
Stage 2 Review: COC - Sample/Methods checked?	•			Pb in soil and EBs by 6010C
Stage 2 Review: Case Narrative - Anomalies?	•			8x samples diluted due to difficult matrix.
Stage 2 Review: Samples - Collection date?	•			9/25 - 9/26/2018
Stage 2 Review: Samples - Digestion date?	•			10/12/2018
Stage 2 Review: Samples - Analysis date?	•			10/12/2018
Stage 2 Review: Samples - Holding time?	•			
Stage 2 Review: Samples - Batching?	•			Batch MP34493, 8 soils; MP34490, 2 EBs.
Stage 2 Review: Samples - Lab qualifiers?	•			1x J TR in EB
Stage 2 Review: Calibration - ICAL?	•			MA15293 r2 > 0.9999 good
Stage 2 Review: Calibration - ICV?	•			10/12/18 99%R
Stage 2 Review: Calibration - CCV?	•			10/12/18 100-101%R
Stage 2 Review: Calibration - CCB?	•			10/12/18 All ND
Stage 2 Review: Calibration - ICSA?	•			1 per batch, All %R good
Stage 2 Review: Calibration - ICSAB?	•			1 per batch, All %R good
Stage 2 Review: Blank - Method blank?	•			MBs 10/11-12/18 soil <2 mg/kg, water <5 ug/l, ND
Stage 2 Review: Blank - Equipment blank?	•			ER02 on 9/25 1.1 J TR ug/L; approx. 0.022 mg/kg [using 5g/100ml], no soil quals required.
Stage 2 Review: Samples - Internal Standards?	•			
Stage 2 Review: Precision/Accuracy - Lab Replicate?	•			LR in 33-01SO210000, RPD good
Stage 2 Review: Precision/Accuracy - MS/MSD?	•			MS/MSD on 33-01SO210000, results >> 4x spike, no quals
Stage 2 Review: Precision/Accuracy - LCS/LCSD?	•			LCS only, spike corrected to 10 mg/kg; Soil 95%R, water 94%R, good. No quals.
Stage 2 Review: Precision/Accuracy - Serial Dilution?	•			SD on 33-01SO210000, 5%D, good.
Stage 2 Review: Quantitation - PQLs?	•			LODs < 1 mg/kg << PQL
Stage 2 Review: Quantitation - Dilution Factor?	•			DF 10 for all soils; LOD/LOQ adjusted. DF 1 for QC waters.
Stage 2 Review: Quantitation - Results (i.e. correct analytes)?	•			Pb only
Stage 2 Review: Field Duplicates - RPD within limits?	•			FD pair 33-01SO20000/Q 127/40.1 mg/kg, RPD 104, 2x Pb quals J D5.
Stage 4 Review: Precision/Accuracy - Post Digestion Spike?	•			1 per batch, PS on 33-01SO210000, 273 %R out due to sample conc. >> spike conc.; no quals.
Stage 4 Review: Quantitation - ICV, CCV %D verification?	•			Verified ICV and CCV calculations from analytical batch MA15293.
Stage 4 Review: Quantitation - LCS, MS sample re-calculations?	•			Verified calculated lead results for LCS, MS, LR, and project samples from extraction batch MP34493, and analytical batch MA15293.



Field Duplicate Report By SDG
BRA Kemron Soil Sampling
QAPP Vol 1, App B, BRA, Jun 2016
Field Duplicates for SDG: FA58023

Location **Analysis**
33-01-S20 SW6010C

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
33-01SO200000 / 33-01SO200000Q	FA58023-1 / FA58023-4	Lead	127	40.1	4.00	104	30	Out	NA

FD = Field Duplicate
RL = Reporting Limit
RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil

ATTACHMENT 2
LABORATORY REPORTS
(PROVIDED ON CD)

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The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Kemron Environmental Services, Inc

Ft Ord; CA

07202.2001

SGS Job Number: FA51672

Sampling Dates: 02/06/18 - 02/07/18



Report to:

Kemron Environmental Services, Inc
4522 Joe Lloyd Way
Monterey, CA 93944
EDawson@GilbaneCo.com; PCota@GilbaneCo.com;
TBeer@GilbaneCo.com
ATTN: Evelyn Dawson

Total number of pages in report: 420



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Caitlin Brice, M.S.
General Manager

Client Service contact: Sue Bell 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), IL(200063), NC(573), NJ(FL002), NY(12022), SC(96038001)
DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177),
AK, AR, IA, KY, MA, MS, ND, NH, NV, OK, OR, UT, WA, WV

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Test results relate only to samples analyzed.

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Sample Summary

Kemron Environmental Services, Inc

Job No: FA51672

Ft Ord; CA

Project No: 07202.2001

Sample Number	Collected		Matrix Code	Type	Received	Client Sample ID
	Date	Time By				
FA51672-1	02/06/18	11:02 RPLF	SO	Soil	02/08/18	33-01SOM010000
FA51672-2	02/06/18	11:16 RPLF	SO	Soil	02/08/18	33-01SOM010001
FA51672-3	02/06/18	09:16 RPLF	SO	Soil	02/08/18	33-01SOM020000
FA51672-4	02/06/18	09:31 RPLF	SO	Soil	02/08/18	33-01SOM020001
FA51672-5	02/06/18	11:57 RPLF	SO	Soil	02/08/18	33-01SOM030000
FA51672-6	02/06/18	12:14 RPLF	SO	Soil	02/08/18	33-01SOM030001
FA51672-7	02/06/18	14:30 RPLF	SO	Soil	02/08/18	33-01SOM040000
FA51672-8	02/06/18	14:30 RPLF	SO	Soil	02/08/18	33-01SOM040000Q
FA51672-9	02/06/18	14:43 RPLF	SO	Soil	02/08/18	33-01SOM040001
FA51672-10	02/06/18	15:03 RPLF	SO	Soil	02/08/18	33-01SOM050000
FA51672-11	02/06/18	15:24 RPLF	SO	Soil	02/08/18	33-01SOM050001
FA51672-12	02/06/18	15:46 RPLF	SO	Soil	02/08/18	33-01SOM060000
FA51672-13	02/06/18	15:59 RPLF	SO	Soil	02/08/18	33-01SOM060001

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary

(continued)

Kemron Environmental Services, Inc

Job No: FA51672

Ft Ord; CA

Project No: 07202.2001

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
FA51672-14	02/07/18	08:30 RPLF	02/08/18	SO	Soil	33-01SOM070000
FA51672-15	02/07/18	08:45 RPLF	02/08/18	SO	Soil	33-01SOM070001
FA51672-16	02/07/18	09:38 RPLF	02/08/18	SO	Soil	33-01SOM080000
FA51672-17	02/07/18	10:06 RPLF	02/08/18	SO	Soil	33-01SOM080001
FA51672-18	02/07/18	10:06 RPLF	02/08/18	SO	Soil	33-01SOM080001Q
FA51672-19	02/07/18	10:44 RPLF	02/08/18	SO	Soil	33-01SOM090000
FA51672-20	02/07/18	10:59 RPLF	02/08/18	SO	Soil	33-01SOM090001
FA51672-21	02/07/18	11:38 RPLF	02/08/18	SO	Soil	33-01SOM100000
FA51672-22	02/07/18	11:52 RPLF	02/08/18	SO	Soil	33-01SOM100001
FA51672-23	02/06/18	16:30 RPLF	02/08/18	AQ	Equipment Blank	33-ER01SC020618
FA51672-24	02/06/18	16:30 RPLF	02/08/18	AQ	Field Blank Soil	33FB-ER01SC020618
FA51672-25	02/06/18	16:45 RPLF	02/08/18	AQ	Field Blank Soil	33FBQ-ER01SC020618
FA51672-26	02/07/18	15:05 RPLF	02/08/18	AQ	Equipment Blank	33-ER01SC020718

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Kemron Environmental Services, Inc

Job No: FA51672

Site: Ft Ord; CA

Report Date: 3/7/2018 3:22:59 PM

24 Sample(s) and 2 Field Blank(s) were collected on/ between 02/06/2018 and 02/07/2018 and were received at SGS North America Inc - Orlando on 02/08/2018 properly preserved, at 3.2 Deg. C and intact. These Samples received an SGS Orlando job number of FA51672. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals Analysis By Method SW846 6010C

Matrix: SO

Batch ID: MP33398

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA51672-5DUP, FA51672-5MSD, FA51672-5SDL, FA51672-5PS were used as the QC samples for metals.

Matrix Spike/Matrix Spike Duplicate Recovery(s) for Lead are outside control limits. Spike recovery indicates possible matrix interference and/or sample non-homogeneity.

Matrix: SO

Batch ID: MP33399

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA51672-18DUP, FA51672-18MS, FA51672-18MSD, FA51672-18SDL, FA51672-18PS were used as the QC samples for metals.

RPD(s) for Serial Dilution for Lead are outside control limits for sample MP33399-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

MP33399-PS1 for Lead: Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

Metals Analysis By Method SW846 6020A

Matrix: AQ

Batch ID: MP33363

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA51737-1FDUP, FA51737-1FMS, FA51737-1FMSD, FA51737-1FSDL were used as the QC samples for

SGS Orlando certifies that this report meets the project requirements for analytical data produced for the samples as received at SGS Orlando and as stated on the COC. SGS Orlando certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SGS Orlando Quality Manual except as noted above. This report is to be used in its entirety. SGS Orlando is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA51672
Account: Kemron Environmental Services, Inc
Project: Ft Ord; CA
Collected: 02/06/18 thru 02/07/18



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA51672-1	33-01SOM010000					
Lead		788	4.0	0.80	mg/kg	SW846 6010C
FA51672-2	33-01SOM010001					
Lead		3.7	2.0	0.39	mg/kg	SW846 6010C
FA51672-3	33-01SOM020000					
Lead		427	4.0	0.80	mg/kg	SW846 6010C
FA51672-4	33-01SOM020001					
Lead		1.5 J	1.9	0.39	mg/kg	SW846 6010C
FA51672-5	33-01SOM030000					
Lead		523	4.0	0.80	mg/kg	SW846 6010C
FA51672-6	33-01SOM030001					
Lead		1.6 J	2.0	0.39	mg/kg	SW846 6010C
FA51672-7	33-01SOM040000					
Lead		354	4.0	0.80	mg/kg	SW846 6010C
FA51672-8	33-01SOM040000Q					
Lead		385	4.0	0.80	mg/kg	SW846 6010C
FA51672-9	33-01SOM040001					
Lead		2.2	2.0	0.40	mg/kg	SW846 6010C
FA51672-10	33-01SOM050000					
Lead		515	4.0	0.80	mg/kg	SW846 6010C
FA51672-11	33-01SOM050001					
Lead		12.4	1.9	0.38	mg/kg	SW846 6010C

Summary of Hits

Job Number: FA51672
Account: Kemron Environmental Services, Inc
Project: Ft Ord; CA
Collected: 02/06/18 thru 02/07/18



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA51672-12	33-01SOM060000					
Lead		148	3.9	0.78	mg/kg	SW846 6010C
FA51672-13	33-01SOM060001					
Lead		339	3.9	0.78	mg/kg	SW846 6010C
FA51672-14	33-01SOM070000					
Lead		184	4.0	0.79	mg/kg	SW846 6010C
FA51672-15	33-01SOM070001					
Lead		1.3 J	1.9	0.39	mg/kg	SW846 6010C
FA51672-16	33-01SOM080000					
Lead		105	4.0	0.79	mg/kg	SW846 6010C
FA51672-17	33-01SOM080001					
Lead		1.2 J	2.0	0.40	mg/kg	SW846 6010C
FA51672-18	33-01SOM080001Q					
Lead		1.3 J	1.9	0.39	mg/kg	SW846 6010C
FA51672-19	33-01SOM090000					
Lead		184	3.9	0.79	mg/kg	SW846 6010C
FA51672-20	33-01SOM090001					
Lead		1.2 J	2.0	0.40	mg/kg	SW846 6010C
FA51672-21	33-01SOM100000					
Lead		771	4.0	0.80	mg/kg	SW846 6010C
FA51672-22	33-01SOM100001					
Lead		1.9 J	2.0	0.39	mg/kg	SW846 6010C

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: 33-01SOM010000	Date Sampled: 02/06/18
Lab Sample ID: FA51672-1	Date Received: 02/08/18
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	788	4.0	0.80	0.20	mg/kg	10	02/28/18	03/01/18 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA14718

(2) Prep QC Batch: MP33398

(a) Sample was dried prior to analysis.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SOM010001	Date Sampled: 02/06/18
Lab Sample ID: FA51672-2	Date Received: 02/08/18
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	3.7	2.0	0.39	0.098	mg/kg	5	02/28/18	03/01/18 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA14718

(2) Prep QC Batch: MP33398

(a) Sample was dried prior to analysis.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SOM020000	Date Sampled: 02/06/18
Lab Sample ID: FA51672-3	Date Received: 02/08/18
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.3
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	427	4.0	0.80	0.20	mg/kg	10	02/28/18	03/01/18 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA14718

(2) Prep QC Batch: MP33398

(a) Sample was dried prior to analysis.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SOM020001	Date Sampled: 02/06/18
Lab Sample ID: FA51672-4	Date Received: 02/08/18
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	1.5 J	1.9	0.39	0.097	mg/kg	5	02/28/18	03/01/18 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA14718

(2) Prep QC Batch: MP33398

(a) Sample was dried prior to analysis.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

4.4
4

Report of Analysis

Client Sample ID: 33-01SOM030000	Date Sampled: 02/06/18
Lab Sample ID: FA51672-5	Date Received: 02/08/18
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.5
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	523	4.0	0.80	0.20	mg/kg	10	02/28/18	03/01/18 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA14718

(2) Prep QC Batch: MP33398

(a) Sample was dried prior to analysis.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SOM030001	Date Sampled: 02/06/18
Lab Sample ID: FA51672-6	Date Received: 02/08/18
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.6
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	1.6 J	2.0	0.39	0.098	mg/kg	5	02/28/18	03/02/18 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA14720

(2) Prep QC Batch: MP33398

(a) Sample was dried prior to analysis.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SOM040000	Date Sampled: 02/06/18
Lab Sample ID: FA51672-7	Date Received: 02/08/18
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	354	4.0	0.80	0.20	mg/kg	10	02/28/18	03/01/18 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA14718

(2) Prep QC Batch: MP33398

(a) Sample was dried prior to analysis.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

4.7
4

Report of Analysis

Client Sample ID: 33-01SOM040000Q	Date Sampled: 02/06/18
Lab Sample ID: FA51672-8	Date Received: 02/08/18
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.8
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	385	4.0	0.80	0.20	mg/kg	10	02/28/18	03/01/18 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA14718

(2) Prep QC Batch: MP33398

(a) Sample was dried prior to analysis.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SOM040001	Date Sampled: 02/06/18
Lab Sample ID: FA51672-9	Date Received: 02/08/18
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.2	2.0	0.40	0.10	mg/kg	5	02/28/18	03/01/18 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA14718

(2) Prep QC Batch: MP33398

(a) Sample was dried prior to analysis.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SOM050000	Date Sampled: 02/06/18
Lab Sample ID: FA51672-10	Date Received: 02/08/18
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.10
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	515	4.0	0.80	0.20	mg/kg	10	02/28/18	03/01/18 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA14718

(2) Prep QC Batch: MP33398

(a) Sample was dried prior to analysis.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SOM050001	Date Sampled: 02/06/18
Lab Sample ID: FA51672-11	Date Received: 02/08/18
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	12.4	1.9	0.38	0.096	mg/kg	5	02/28/18	03/01/18 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA14718

(2) Prep QC Batch: MP33398

(a) Sample was dried prior to analysis.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SOM060000	Date Sampled: 02/06/18
Lab Sample ID: FA51672-12	Date Received: 02/08/18
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	148	3.9	0.78	0.20	mg/kg	10	02/28/18	03/01/18 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA14718

(2) Prep QC Batch: MP33399

(a) Sample was dried prior to analysis.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SOM060001	Date Sampled: 02/06/18
Lab Sample ID: FA51672-13	Date Received: 02/08/18
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	339	3.9	0.78	0.19	mg/kg	10	02/28/18	03/01/18 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA14718

(2) Prep QC Batch: MP33399

(a) Sample was dried prior to analysis.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SOM070000	Date Sampled: 02/07/18
Lab Sample ID: FA51672-14	Date Received: 02/08/18
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	184	4.0	0.79	0.20	mg/kg	10	02/28/18	03/01/18 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA14718

(2) Prep QC Batch: MP33399

(a) Sample was dried prior to analysis.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SOM070001	Date Sampled: 02/07/18
Lab Sample ID: FA51672-15	Date Received: 02/08/18
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	1.3 J	1.9	0.39	0.096	mg/kg	5	02/28/18	03/01/18 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA14718

(2) Prep QC Batch: MP33399

(a) Sample was dried prior to analysis.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SOM080000	Date Sampled: 02/07/18
Lab Sample ID: FA51672-16	Date Received: 02/08/18
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.16
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	105	4.0	0.79	0.20	mg/kg	10	02/28/18	03/01/18 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA14718

(2) Prep QC Batch: MP33399

(a) Sample was dried prior to analysis.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SOM080001	Date Sampled: 02/07/18
Lab Sample ID: FA51672-17	Date Received: 02/08/18
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	1.2 J	2.0	0.40	0.10	mg/kg	5	02/28/18	03/01/18 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA14718

(2) Prep QC Batch: MP33399

(a) Sample was dried prior to analysis.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SOM080001Q	Date Sampled: 02/07/18
Lab Sample ID: FA51672-18	Date Received: 02/08/18
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	1.3 J	1.9	0.39	0.097	mg/kg	5	02/28/18	03/01/18 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA14718

(2) Prep QC Batch: MP33399

(a) Sample was dried prior to analysis.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SOM090000	Date Sampled: 02/07/18
Lab Sample ID: FA51672-19	Date Received: 02/08/18
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	184	3.9	0.79	0.20	mg/kg	10	02/28/18	03/01/18 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA14718

(2) Prep QC Batch: MP33399

(a) Sample was dried prior to analysis.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SOM090001	Date Sampled: 02/07/18
Lab Sample ID: FA51672-20	Date Received: 02/08/18
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

4.20
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	1.2 J	2.0	0.40	0.099	mg/kg	5	02/28/18	03/01/18 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA14718

(2) Prep QC Batch: MP33399

(a) Sample was dried prior to analysis.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SOM100000	Date Sampled: 02/07/18
Lab Sample ID: FA51672-21	Date Received: 02/08/18
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	771	4.0	0.80	0.20	mg/kg	10	02/28/18	03/01/18 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA14718

(2) Prep QC Batch: MP33399

(a) Sample was dried prior to analysis.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SOM100001	Date Sampled: 02/07/18
Lab Sample ID: FA51672-22	Date Received: 02/08/18
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ft Ord; CA	

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	1.9 J	2.0	0.39	0.098	mg/kg	5	02/28/18	03/02/18 DM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA14720

(2) Prep QC Batch: MP33399

(a) Sample was dried prior to analysis.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-ER01SC020618	Date Sampled: 02/06/18
Lab Sample ID: FA51672-23	Date Received: 02/08/18
Matrix: AQ - Equipment Blank	Percent Solids: n/a
Project: Ft Ord; CA	

Total Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	0.42 J	2.0	1.0	0.20	ug/l	2	02/20/18	02/22/18 DM	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA14702

(2) Prep QC Batch: MP33363

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID:	33FB-ER01SC020618	Date Sampled:	02/06/18
Lab Sample ID:	FA51672-24	Date Received:	02/08/18
Matrix:	AQ - Field Blank Soil	Percent Solids:	n/a
Project:	Ft Ord; CA		

Total Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	0.30 J	2.0	1.0	0.20	ug/l	2	02/20/18	02/22/18 DM	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA14702

(2) Prep QC Batch: MP33363

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

4.24
4

Report of Analysis

Client Sample ID: 33FBQ-ER01SC020618	Date Sampled: 02/06/18
Lab Sample ID: FA51672-25	Date Received: 02/08/18
Matrix: AQ - Field Blank Soil	Percent Solids: n/a
Project: Ft Ord; CA	

Total Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	1.0 U	2.0	1.0	0.20	ug/l	2	02/20/18	02/22/18 DM	SW846 6020A ¹	SW846 3010A ²

(1) Instrument QC Batch: MA14702

(2) Prep QC Batch: MP33363

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-ER01SC020718	Date Sampled: 02/07/18
Lab Sample ID: FA51672-26	Date Received: 02/08/18
Matrix: AQ - Equipment Blank	Percent Solids: n/a
Project: Ft Ord; CA	

Total Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	1.5 J	2.0	1.0	0.20	ug/l	2	02/20/18	02/22/18 DM	SW846 6020A	¹ SW846 3010A ²

(1) Instrument QC Batch: MA14702

(2) Prep QC Batch: MP33363

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits



ACCUTEST

SGS Accutest Southeast Chain of Custody

4405 Vineland Road, Suite C-15 Orlando, FL 32811
TEL: 407-425-6700 FAX: 407-425-0707
www.accutest.com

FA51672

SGS ACCUTEST JOB #:

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Client / Reporting Information		Project Information		Analytical Information										Matrix Codes		
Company Name: <u>Glilbase</u>		Project Name: <u>Fort Ood</u>												DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid LAB USE ONLY		
Address:		Street:														
City: State: Zip:		City: State:														
Project Contact: Email:		Project #:														
Phone #:		Fax #:														
Sampler(s) Name(s) (Printed)		Client Purchase Order #:														
Sampler 1:		Sampler 2:														
SGS Accutest Sample #	Field ID / Point of Collection	COLLECTION										LAB USE ONLY				
		DATE	TIME	SAMPLED BY	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	KCI	NACN	PHOS		SSSCA		NACH/ZNMA	DI WATER
13	33-01SOM0000001	2/6/18	15:59	RS/LF	SD											
14	33-01SOM0000001	2/7/18	08:30													
15	33-01SOM0000001	2/7/18	08:45													
16	33-01SOM0000001	2/7/18	09:35													
17	33-01SOM0000001	2/7/18	10:06													
18	33-01SOM0000001	2/7/18	10:06													
19	33-01SOM0000001	2/7/18	10:44													
20	33-01SOM0000001	2/7/18	10:59													
21	33-01SOM0000001	2/7/18	11:28													
22	33-01SOM0000001	2/7/18	11:52													
Turnaround Time (Business days)		Approved By: / Date:		Data Deliverable Information										Comments / Remarks		
<input type="checkbox"/> 10 Day (Business) <input type="checkbox"/> 7 Day <input type="checkbox"/> 5 Day <input type="checkbox"/> 3 Day RUSH <input type="checkbox"/> 2 Day RUSH <input type="checkbox"/> 1 Day RUSH <input type="checkbox"/> Other				<input type="checkbox"/> COMMERCIAL "A" (RESULTS ONLY) <input type="checkbox"/> COMMERCIAL "B" (RESULTS PLUS QC) <input type="checkbox"/> REDT1 (EPA LEVEL 3) <input type="checkbox"/> FULLT1 (EPA LEVEL 4) <input type="checkbox"/> EDD'S												
Rush T/A Data Available VIA Email or Lablink		Sample Custody must be documented below each time samples change possession, including courier delivery.														
Relinquished by Sampler/Affiliation		Date Time:		Received By/Affiliation		Date Time:		Relinquished By/Affiliation		Date Time:		Received By/Affiliation		Date Time:		930
1 <u>[Signature]</u>		4/7/18 16:00		2 <u>FedEx</u>				3 <u>FedEx</u>				4 <u>[Signature]</u>		02/08/18		
Relinquished by/Affiliation		Date Time:		Received By/Affiliation		Date Time:		Relinquished By/Affiliation		Date Time:		Received By/Affiliation		Date Time:		
5				6				7				8				

Lab Use Only: Cooler Temperature (s) Celsius (corrected):

http://www.sgs.com/en/terms-and-conditions

SGS COC Florida new art 5 2 17.xls rev 042417 SI

Effective Date 04/24/2017

FA51672: Chain of Custody

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5.1 5

SGS Sample Receipt Summary

Job Number: FA51672

Client: GILBANE

Project: FORT ORD

Date / Time Received: 2/8/2018 9:30:00 AM

Delivery Method: FED EX

Airbill #s: 1002258351060003281100812216990390

Therm ID: IR 1;

Therm CF: 0.4;

of Coolers: 1

Cooler Temps (Raw Measured) °C: Cooler 1: (2.8);

Cooler Temps (Corrected) °C: Cooler 1: (3.2);

Cooler Information

Y or N

- | | | |
|-----------------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Temp criteria achieved | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4. Cooler temp verification | <u>IR Gun</u> | |
| 5. Cooler media | <u>Ice (Bag)</u> | |

Sample Information

Y or N N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Sample labels present on bottles | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 2. Samples preserved properly | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 3. Sufficient volume/containers recvd for analysis: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. Condition of sample | <u>Intact</u> | | |
| 5. Sample recvd within HT | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 6. Dates/Times/IDs on COC match Sample Label | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 7. VOCs have headspace | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 8. Bottles received for unspecified tests | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 9. Compositing instructions clear | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 10. Voa Soil Kits/Jars received past 48hrs? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11. % Solids Jar received? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 12. Residual Chlorine Present? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Trip Blank Information

Y or N N/A

- | | | | |
|--------------------------------|--------------------------|--------------------------|-------------------------------------|
| 1. Trip Blank present / cooler | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Trip Blank listed on COC | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| | <u>W or S</u> | | <u>N/A</u> |
| 3. Type Of TB Received | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____
 Test Strip Lot #: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____
 Residual Chlorine Test Strip Lot #: _____

Comments

SM001
Rev. Date 05/24/17

Technician: SHAYLAP

Date: 2/8/2018 9:30:00 AM

Reviewer: P,H

Date: 2/9/2018

FA51672: Chain of Custody

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QC Evaluation: DOD QSM5 Limits

Job Number: FA51672
Account: Kemron Environmental Services, Inc
Project: Ft Ord; CA
Collected: 02/06/18 thru 02/07/18

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MP33363 SW846 6020A							
MP33363-B1	7439-92-1	Lead	BSP	REC	96.5	%	88-115
MP33363-S1*	7439-92-1	Lead	MS	REC	103.5	%	88-115
MP33363-S2*	7439-92-1	Lead	MSD	REC	102	%	88-115
MP33363-S2*	7439-92-1	Lead	MSD	RPD	1.5	%	20
MP33363-D1*	7439-92-1	Lead	DUP	RPD	0	%	20
MP33398 SW846 6010C							
MP33398-B1	7439-92-1	Lead	BSP	REC	111	%	81-112
MP33398-S1	7439-92-1	Lead	MS	REC	52.4 ^a	%	81-112
MP33398-S2	7439-92-1	Lead	MSD	REC	-200.4 ^a	%	81-112
MP33398-S2	7439-92-1	Lead	MSD	RPD	2.9	%	20
MP33398-D1	7439-92-1	Lead	DUP	RPD	4.7	%	20
MP33398-D2	7439-92-1	Lead	DUP	RPD	0	%	20
MP33399 SW846 6010C							
MP33399-B1	7439-92-1	Lead	BSP	REC	106	%	81-112
MP33399-S1	7439-92-1	Lead	MS	REC	99.2	%	81-112
MP33399-S2	7439-92-1	Lead	MSD	REC	105.2	%	81-112
MP33399-S2	7439-92-1	Lead	MSD	RPD	5.2	%	20
MP33399-D1	7439-92-1	Lead	DUP	RPD	0	%	20
MP33399-D2	7439-92-1	Lead	DUP	RPD	8	%	20

(a) Spike recovery indicates possible matrix interference and/or sample non-homogeneity.

* Sample used for QC is not from job FA51672

5.2
5

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Instrument Runlog
Inorganics AnalysesLogin Number: FA51672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CAFile ID: XA022218M2.CSV Date Analyzed: 02/22/18 Methods: SW846 6020A
Analyst: DM Run ID: MA14702
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:46	MA14702-STD1	1		STDA
08:51	MA14702-STD2	1		STDB
08:56	MA14702-STD3	1		STDC
09:00	MA14702-STD4	1		STDD
09:05	MA14702-STD5	1		STDE
09:10	MA14702-STD6	1		STDF
09:14	MA14702-HSTD1	1		
09:19	MA14702-HSTD2	1		
09:23	MA14702-ICV1	1		
09:28	MA14702-ICB1	1		
09:33	MA14702-CRIA1	1		
09:37	MA14702-ICSA1	1		
09:42	MA14702-ICSAB1	1		
09:47	MA14702-CCV1	1		
09:51	MA14702-CCV2	1		
10:47	MA14702-CCV3	1		
10:52	MA14702-CCV4	1		
10:56	MA14702-CCB1	1		
11:19	MP33363-MB1	2		
11:24	MP33363-B1	2		
11:29	ZZZZZZ	2		
11:33	ZZZZZZ	2		
11:38	ZZZZZZ	2		
11:42	ZZZZZZ	2		
11:47	MA14702-CCV5	1		
11:52	MA14702-CCV6	1		
11:56	MA14702-CCB2	1		
12:15	FA51737-1F	2		(sample used for QC only; not part of login FA51672)
12:20	MP33363-D1	2		
12:24	MP33363-SD1	10		
12:29	MP33363-S1	2		
12:34	MP33363-S2	2		
12:38	MP33363-PS1	2		

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA51672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: XA022218M2.CSV Date Analyzed: 02/22/18 Methods: SW846 6020A
Analyst: DM Run ID: MA14702
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:43	ZZZZZZ	2		
12:47	MA14702-CCV7	1		
12:52	MA14702-CCV8	1		
12:57	MA14702-CCB3	1		
13:01	ZZZZZZ	2		
13:06	ZZZZZZ	2		
13:15	FA51672-26	2		
13:20	ZZZZZZ	2		
13:24	ZZZZZZ	2		
13:29	FA51672-23	2		
13:34	FA51672-24	2		
13:38	FA51672-25	2		
----->	Last reportable sample/prep for job FA51672			
13:48	MA14702-CCV9	1		
13:52	MA14702-CCV10	1		
13:57	MA14702-CCB4	1		
14:11	ZZZZZZ	2		
14:15	MP33366-MB1	5		
14:20	MP33366-B1	5		
14:25	MP33366-B2	5		
14:29	ZZZZZZ	5		
14:48	MA14702-CCV11	1		
14:52	MA14702-CCV12	1		
14:57	MA14702-CCB5	1		
15:20	ZZZZZZ	10		
15:25	MA14702-CRIA2	1		
15:30	MA14702-ICSA2	1		
15:34	MA14702-ICSAB2	1		
15:39	MA14702-CCV13	1		
15:44	MA14702-CCV14	1		
15:48	MA14702-CCB6	1		
----->	Last reportable CCB for job FA51672 Refer to raw data for calibration curve and standards.			

INTERNAL STANDARD SUMMARY

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: XA022218M2.CSV Date Analyzed: 02/22/18 Methods: SW846 6020A
 Analyst: DM Run ID: MA14702
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
08:46	MA14702-STD1	100	100	100	100	100	100	100	100
08:51	MA14702-STD2	93.3	100.5	100.7	100.3	99.6	100.7	100.4	100.7
08:56	MA14702-STD3	89.9	101.3	100.6	100.1	99	100.4	99.9	100.3
09:00	MA14702-STD4	98.5	98.2	100.8	100.1	97.7	99.8	98	96.9
09:05	MA14702-STD5	98.1	100.4	102.8	102.8	97.3	99.6	98.5	96.8
09:10	MA14702-STD6	94.4	101.8	103.2	103.4	96.5	99.2	93.6	94.6
09:14	MA14702-HSTD1	99.7	102.7	106.5	107	97.8	100.4	96.6	98
09:19	MA14702-HSTD2	104.3	101.5	104.6	104.3	97.9	100	93.1	94.9
09:23	MA14702-ICV1	98.5	103.2	105.8	105.6	99.9	102.5	97.4	99.5
09:28	MA14702-ICB1	105.6	103.3	101.8	102.6	99.8	101.1	99.8	100.9
09:33	MA14702-CRIA1	95.2	103.2	104.2	104.4	99.9	101.7	99.6	100.2
09:37	MA14702-ICSA1	89.7	101.5	101.8	100.9	93.2	98.5	87.6	90.5
09:42	MA14702-ICSAB1	96.4	107	100.8	100.2	94.3	98.3	86.7	88.7
09:47	MA14702-CCV1	90.9	110.7	106.8	104.6	101.1	99.6	94.8	96.7
09:51	MA14702-CCV2	90.6	109.8	104.1	104.3	97.9	100.7	92.9	94.8
10:47	MA14702-CCV3	96.1	117.3	126.1	123.9	100.8	99.5	90.2	98.3
10:52	MA14702-CCV4	94.5	114.3	107.9	107.7	100.5	98.9	88.1	97
10:56	MA14702-CCB1	88.3	115.9	108.4	108.1	100.6	100.1	92.4	100.9
11:19	MP33363-MB1	88.7	112.8	124.3	124.4	97.6	97.9	88.7	87.9
11:24	MP33363-B1	88.7	111	123.5	123.4	94.9	96.3	85.4	87.4
11:29	ZZZZZZ	87.2	112.1	122.8	122.6	96.6	99.1	87.8	86
11:33	ZZZZZZ	94.4	111.1	124.8	122.9	99.9	98.6	88	86.4
11:38	ZZZZZZ	90.3	112.2	119.1	119.7	95.1	96.9	87	88.4
11:42	ZZZZZZ	84.2	110	124.4	124	96.7	97.9	87.5	85.5
11:47	MA14702-CCV5	89.3	117.5	117.3	117.8	99.9	100.1	88.6	96.4
11:52	MA14702-CCV6	92.1	115.9	105.8	105.6	97.6	96.5	86.7	95.6
11:56	MA14702-CCB2	94.5	115.5	107.1	107.2	100.7	98.6	90	99.2
12:15	FA51737-1F	93.8	108.6	108.2	107	94.3	95.7	88.2	86.7
12:20	MP33363-D1	89.7	110.1	124.8	124.2	95.4	96.8	87.8	87.2
12:24	MP33363-SD1	97	113.8	115.4	113.9	97.6	96.4	88.2	93.9
12:29	MP33363-S1	92.3	105.5	103.7	104.2	93.1	98.3	85.8	86
12:34	MP33363-S2	86.2	103.3	111	110.3	92.6	100.1	87.4	84.7
12:38	MP33363-PS1	No results reported for the elements associated with this internal standard.							

INTERNAL STANDARD SUMMARY

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: XA022218M2.CSV Date Analyzed: 02/22/18 Methods: SW846 6020A
 Analyst: DM Run ID: MA14702
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
12:43	ZZZZZZ	93.3	109.2	116.3	116	95.3	97	88.6	87.5
12:47	MA14702-CCV7	88.1	115.6	115.9	114.6	99.2	99.6	87.7	95.4
12:52	MA14702-CCV8	99.7	107.2	100.9	102.7	97.5	103.1	89.8	96.6
12:57	MA14702-CCB3	93.6	107.2	102.5	102.7	99.6	102.2	90.9	97.7
13:01	ZZZZZZ	90.2	107.3	103.1	103	97.3	101.4	91.5	88.9
13:06	ZZZZZZ	88.7	108.6	110.2	109.3	95.3	97.5	87	85.7
13:15	FA51672-26	81.6	110.2	104.7	103.8	94.9	98.1	85.9	86.8
13:20	ZZZZZZ	93.2	109.7	110.2	109.2	94.5	96.2	87.3	85.6
13:24	ZZZZZZ	92.7	110.2	110.6	110.2	93.6	96	84.4	84.6
13:29	FA51672-23	93.2	111.2	113.3	111.5	92.6	96.6	83.2	84.4
13:34	FA51672-24	89.7	108.4	117.7	115.8	93.7	98.1	84.9	85
13:38	FA51672-25	94.9	109.6	113.8	112.7	93.1	98.4	86.3	81.9
13:48	MA14702-CCV9	100.3	111.4	104.1	103.3	98.9	101.1	88.4	97.1
13:52	MA14702-CCV10	93.9	108.8	101.7	101.3	97.7	102.6	88.7	95.1
13:57	MA14702-CCB4	97.5	107.1	101.5	101.7	99.5	102.3	91.6	99.2
14:11	ZZZZZZ	98.7	109	102.7	102.6	94.5	99.3	87.6	87
14:15	MP33366-MB1	94.9	113.4	104.6	105.8	96.8	98.3	87.9	91.1
14:20	MP33366-B1	97.5	108.4	103.2	102	94.7	100.8	86	90.3
14:25	MP33366-B2	104.8	105.7	100	99.7	94.2	100.5	86	89.6
14:29	ZZZZZZ	No results reported for the elements associated with this internal standard.							
14:48	MA14702-CCV11	100.7	112.1	105.1	105.4	98	102.5	87.3	96.6
14:52	MA14702-CCV12	107.7	110	100.7	102.1	97.6	102.3	87.5	96.2
14:57	MA14702-CCB5	98.4	110.9	103.6	103.1	99.4	104.1	90.3	98.5
15:20	ZZZZZZ	99.4	114.5	105.4	105	97.4	98.5	84.6	94.6
15:25	MA14702-CRIA2	110.3	115	106.6	105.6	99	101.4	86.3	98.3
15:30	MA14702-ICSA2	89.9	106.1	97.2	95.6	92.8	100.7	80.3	89.4
15:34	MA14702-ICSAB2	88.9	109.1	99.1	96.6	92.4	100.5	79.2	88.5
15:39	MA14702-CCV13	89.9	112.4	104.9	105	98.1	103	87.2	96.3
15:44	MA14702-CCV14	90	111.9	102.6	102.5	95.6	101.2	83.5	94
15:48	MA14702-CCB6	91.5	111.2	103.9	102.9	96.7	97.9	85.5	95.1

! = Outside limits.

LEGEND:		CCV/CCB	
Istd#	Parameter	Limits	Limits
Istd#1	Lithium	70-130 %	70-130 %
Istd#2	Scandium	70-130 %	70-130 %
Istd#3	Germanium (72-2)	70-130 %	70-130 %

INTERNAL STANDARD SUMMARY

Login Number: FA51672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: XA022218M2.CSV Date Analyzed: 02/22/18 Methods: SW846 6020A
Analyst: DM Run ID: MA14702
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
Istd#8	Germanium (74-2)		70-130 %	70-130 %					
Istd#5	Indium		70-130 %	70-130 %					
Istd#6	Terbium		70-130 %	70-130 %					
Istd#7	Bismuth		70-130 %	70-130 %					
Istd#8	Tellurium		70-130 %	70-130 %					

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA51672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: XA022218M2.CSV Date Analyzed: 02/22/18 Methods: SW846 6020A
QC Limits: result < RL Run ID: MA14702 Units: ug/l

Metal	RL	IDL	09:28	10:56		11:56		12:57						
			ICB1	raw	final	CCB1	raw	final	CCB2	raw	final	CCB3	raw	final
Aluminum	100	4.4	anr											
Antimony	1.0	.1	anr											
Arsenic	1.0	.1	anr											
Barium	1.0	.1	anr											
Beryllium	1.0	.1	anr											
Cadmium	1.0	.1	anr											
Calcium	100	7.2	anr											
Chromium	1.0	.1	anr											
Cobalt	1.0	.1	anr											
Copper	1.0	.1	anr											
Iron	100	7.9	anr											
Lead	1.0	.1	0.054	<1.0	0.040	<1.0	0.039	<1.0	0.043	<1.0				
Magnesium	100	5.2	anr											
Manganese	1.0	.1	anr											
Molybdenum	1.0	.1	anr											
Nickel	1.0	.1	anr											
Potassium	100	6.6	anr											
Selenium	1.0	.11	anr											
Silver	1.0	.1	anr											
Sodium	100	4.8	anr											
Strontium	1.0	.1	anr											
Thallium	1.0	.1	anr											
Tin	1.0	.1	anr											
Titanium	1.0	.3	anr											
Vanadium	1.0	.1	anr											
Zinc	2.0	.29	anr											

(*) Outside of QC limits
(anr) Analyte not requested

6.1.2
6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: XA022218M2.CSV Date Analyzed: 02/22/18 Methods: SW846 6020A
 QC Limits: result < RL Run ID: MA14702 Units: ug/l

Metal	RL	IDL	13:57	14:57		15:48		
			CCB4	raw	final	raw	final	raw
Aluminum	100	4.4	anr					
Antimony	1.0	.1	anr					
Arsenic	1.0	.1	anr					
Barium	1.0	.1	anr					
Beryllium	1.0	.1	anr					
Cadmium	1.0	.1	anr					
Calcium	100	7.2	anr					
Chromium	1.0	.1	anr					
Cobalt	1.0	.1	anr					
Copper	1.0	.1	anr					
Iron	100	7.9	anr					
Lead	1.0	.1	0.040	<1.0	0.042	<1.0	0.038	<1.0
Magnesium	100	5.2	anr					
Manganese	1.0	.1	anr					
Molybdenum	1.0	.1	anr					
Nickel	1.0	.1	anr					
Potassium	100	6.6	anr					
Selenium	1.0	.11	anr					
Silver	1.0	.1	anr					
Sodium	100	4.8	anr					
Strontium	1.0	.1	anr					
Thallium	1.0	.1	anr					
Tin	1.0	.1	anr					
Titanium	1.0	.3	anr					
Vanadium	1.0	.1	anr					
Zinc	2.0	.29	anr					

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.2
 6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA51672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: XA022218M2.CSV Date Analyzed: 02/22/18 Methods: SW846 6020A
QC Limits: 90 to 110 % Recovery Run ID: MA14702 Units: ug/l

Metal	Sample ID: ICV True	09:23		CCV True	09:47		CCV True	09:51	
		ICV1 Results	% Rec		CCV1 Results	% Rec		CCV2 Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	100	96.3	96.3				100	94.4	94.4
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium	anr								
Thallium	anr								
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3

6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA51672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: XA022218M2.CSV Date Analyzed: 02/22/18 Methods: SW846 6020A
QC Limits: 90 to 110 % Recovery Run ID: MA14702 Units: ug/l

Time:	10:47	10:52	11:47
Sample ID:	CCV3	CCV4	CCV5
Metal	True	True	True
	Results	Results	Results
	% Rec	% Rec	% Rec
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead		100	94.9
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver	anr		
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3

6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA51672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: XA022218M2.CSV Date Analyzed: 02/22/18 Methods: SW846 6020A
QC Limits: 90 to 110 % Recovery Run ID: MA14702 Units: ug/l

Metal	Sample ID: CCV	11:52		CCV	12:47		CCV	12:52	
		CCV6	Results % Rec		CCV7	Results % Rec		CCV8	Results % Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	100	94.2	94.2				100	93.1	93.1
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver									
Sodium	anr								
Strontium	anr								
Thallium	anr								
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA51672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: XA022218M2.CSV Date Analyzed: 02/22/18 Methods: SW846 6020A
QC Limits: 90 to 110 % Recovery Run ID: MA14702 Units: ug/l

Time:	13:48			13:52			14:48		
Sample ID:	CCV	CCV9	CCV	CCV10	CCV	CCV11	CCV	CCV11	CCV
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead				100	96.5	96.5			
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA51672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: XA022218M2.CSV Date Analyzed: 02/22/18 Methods: SW846 6020A
QC Limits: 90 to 110 % Recovery Run ID: MA14702 Units: ug/l

Metal	Sample ID: CCV	14:52		CCV	15:39		CCV	15:44	
		CCV12	Results % Rec		CCV13	Results % Rec		CCV14	Results % Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	100	91.2	91.2				100	95.5	95.5
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver									
Sodium	anr								
Strontium	anr								
Thallium	anr								
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.1.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: XA022218M2.CSV Date Analyzed: 02/22/18 Methods: SW846 6020A
 QC Limits: 90 to 110 % Recovery Run ID: MA14702 Units: ug/l

	Time:	09:14		09:19		
Sample ID:	HSTD	HSTD1	HSTD	HSTD2	HSTD	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead				200	200	100.0
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.4
 6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: XA022218M2.CSV Date Analyzed: 02/22/18 Methods: SW846 6020A
 QC Limits: CRI 70-130% CRIA 80-120% Run ID: MA14702 Units: ug/l

Metal	Time:		09:33		15:25				
	Sample ID:	CRI	CRIA	CRI A1	Results	% Rec	CRI A2	Results	% Rec
Aluminum		100	100	anr					
Antimony		1.0	1.0	anr					
Arsenic		1.0	1.0	anr					
Barium		1.0	1.0	anr					
Beryllium		1.0	1.0	anr					
Cadmium		1.0	1.0	anr					
Calcium		100	100	anr					
Chromium		1.0	1.0	anr					
Cobalt		1.0	1.0	anr					
Copper		1.0	1.0	anr					
Iron		100	100	anr					
Lead		1.0	1.0	0.97	97.0		0.95	95.0	
Magnesium		100	100	anr					
Manganese		1.0	1.0	anr					
Molybdenum		1.0	1.0	anr					
Nickel		1.0	1.0	anr					
Potassium		100	100	anr					
Selenium		1.0	1.0	anr					
Silver		1.0	1.0	anr					
Sodium		100	100	anr					
Strontium		1.0	1.0	anr					
Thallium		1.0	1.0	anr					
Tin		1.0	1.0	anr					
Titanium		1.0	1.0	anr					
Vanadium		1.0	1.0	anr					
Zinc		1.0	1.0	anr					

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.5
 6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA51672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: XA022218M2.CSV Date Analyzed: 02/22/18 Methods: SW846 6020A
QC Limits: 80 to 120 % Recovery Run ID: MA14702 Units: ug/l

Metal	Time:		09:37		09:42		15:30		15:34	
	Sample ID:	ICSAB	ICSAL	% Rec	ICSAB1	% Rec	ICSAB2	% Rec	ICSAB2	% Rec
Aluminum	100000	100000	99700	99.7	94000	94.0	102000	102.0	106000	106.0
Antimony			0.072		0.11		0.12		0.15	
Arsenic		20	0.068		18.2	91.0	0.085		18.4	92.0
Barium			0.054		0.066		0.082		0.061	
Beryllium			-0.016		-0.046		-0.016		-0.026	
Cadmium		20	0.25		18.0	90.0	0.23		18.4	92.0
Calcium	100000	100000	94100	94.1	86900	86.9	88500	88.5	90000	90.0
Chromium		20	1.2		19.3	96.5	1.2		19.4	97.0
Cobalt		20	0.0098		18.0	90.0	0.032		18.0	90.0
Copper		20	-0.21		17.1	85.5	-0.20		16.7	83.5
Iron	100000	100000	98000	98.0	91100	91.1	94400	94.4	96200	96.2
Lead			0.10		0.085		0.10		0.088	
Magnesium	100000	100000	99000	99.0	91000	91.0	96400	96.4	97600	97.6
Manganese		20	0.23		18.0	90.0	0.24		18.4	92.0
Molybdenum	2000	2000	2060	103.0	1960	98.0	2040	102.0	2140	107.0
Nickel		20	0.11		17.5	87.5	0.12		17.6	88.0
Potassium	100000	100000	100000	100.0	95100	95.1	99700	99.7	100000	100.0
Selenium			-0.012		0.028		0.020		-0.017	
Silver		20	0.047		17.9	89.5	0.062		17.9	89.5
Sodium	100000	100000	99100	99.1	93400	93.4	96800	96.8	98300	98.3
Strontium			0.85		0.81		0.88		0.86	
Thallium			0.028		0.016		0.10		0.055	
Tin			0.15		0.10		0.099		0.11	
Titanium	2000	2000	1940	97.0	1770	88.5	1810	90.5	1830	91.5
Vanadium			-0.0060		-0.0065		0.010		-0.0013	
Zinc		20	-0.35		16.6	83.0	-0.53		16.3	81.5

(*) Outside of QC limits
(anr) Analyte not requested

6.1.6
6

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030118M1.ICP Date Analyzed: 03/01/18 Methods: SW846 6010C
 Analyst: DM Run ID: MA14718
 Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:11	MA14718-STD1	1		STDA
08:14	MA14718-STD2	1		STDB
08:18	MA14718-STD3	1		STDC
08:21	MA14718-STD4	1		STDD
08:25	MA14718-HSTD1	1		
08:28	MA14718-ICV1	1		
08:35	MA14718-ICB1	1		
08:42	MA14718-CRIA1	1		
08:46	MA14718-ICSA1	1		
08:53	MA14718-ICSAB1	1		
08:57	MA14718-CCV1	1		
09:01	MA14718-CCB1	1		
09:05	MP33398-MB1	5		
09:09	MP33398-B1	5		
09:13	FA51672-5	10		
09:18	MP33398-D1	10		
09:22	MP33398-D2	10		
09:26	MP33398-SD1	50		
09:31	MP33398-PS1	10		
09:35	MP33398-S1	10		
09:39	MP33398-S2	10		
09:44	FA51672-1	10		
09:48	MA14718-CCV2	1		
09:52	MA14718-CCB2	1		
09:57	FA51672-2	10		
10:01	FA51672-3	10		
10:05	FA51672-4	10		
10:14	FA51672-7	10		
10:18	FA51672-8	10		
10:23	FA51672-9	10		
10:27	FA51672-10	10		
10:31	FA51672-11	10		
10:36	MP33399-MB1	5		

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA51672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030118M1.ICP Date Analyzed: 03/01/18 Methods: SW846 6010C
Analyst: DM Run ID: MA14718
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:40	MA14718-CCV3	1		
10:44	MA14718-CCB3	1		
10:49	MP33399-B1	5		
10:53	FA51672-18	10		
10:58	MP33399-D1	10		
11:04	MP33399-D2	5		
11:08	MP33399-SD1	25		
11:13	MP33399-PS1	5		
11:17	MP33399-S1	5		
11:21	MP33399-S2	5		
11:26	FA51672-12	10		
11:30	FA51672-13	10		
11:34	MA14718-CCV4	1		
11:39	MA14718-CCB4	1		
11:43	FA51672-14	10		
11:47	FA51672-15	10		
11:52	FA51672-16	10		
11:56	FA51672-17	10		
12:00	FA51672-19	10		
12:05	FA51672-20	10		
12:09	FA51672-21	10		
12:18	ZZZZZZ	2		
12:23	ZZZZZZ	4		
12:27	MA14718-CCV5	1		
12:31	MA14718-CCB5	1		
12:36	ZZZZZZ	1		
12:40	ZZZZZZ	1		
12:44	ZZZZZZ	1		
12:49	ZZZZZZ	1		
12:53	ZZZZZZ	1		
13:02	MP33400-MB1	1		
13:07	MP33400-B1	1		
13:11	FA51916-1	1		(sample used for QC only; not part of login FA51672)

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA51672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030118M1.ICP Date Analyzed: 03/01/18 Methods: SW846 6010C
Analyst: DM Run ID: MA14718
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:16	MP33400-D1	1		
13:20	MA14718-CCV6	1		
13:24	MA14718-CCB6	1		
13:29	MP33400-SD1	5		
13:33	MP33400-S1	1		
13:38	MP33400-S2	1		
13:42	FA51882-10L	1		(sample used for QC only; not part of login FA51672)
13:46	ZZZZZZ	1		
13:51	FA51893-1	1		(sample used for QC only; not part of login FA51672)
13:55	ZZZZZZ	1		
14:00	MP33400-D2	1		
14:04	MP33400-D3	1		
14:09	MP33400-MB2	1		
14:14	MA14718-CCV7	1		
14:18	MA14718-CCB7	1		
14:22	MP33400-B2	1		
14:27	MP33400-MB3	1		
14:31	MP33400-B3	1		
14:35	MP33401-MB1	1		
14:40	MP33401-B1	1		
15:06	MA14718-CCV8	1		
15:10	MA14718-CCB8	1		
15:28	ZZZZZZ	1		
15:32	ZZZZZZ	1		
15:58	MA14718-CCV9	1		
16:02	MA14718-CCB9	1		
16:11	ZZZZZZ	1		
16:15	ZZZZZZ	1		
16:20	ZZZZZZ	1		
16:24	ZZZZZZ	50		
16:29	ZZZZZZ	1		
16:33	ZZZZZZ	1		
16:38	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA51672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030118M1.ICP Date Analyzed: 03/01/18 Methods: SW846 6010C
Analyst: DM Run ID: MA14718
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:43	FA51672-2	5		
16:47	FA51672-4	5		
16:51	MA14718-CCV10	1		
16:56	MA14718-CCB10	1		
17:04	FA51672-9	5		
17:09	FA51672-11	5		
17:13	FA51672-18	5		
17:18	MP33399-D1	5		
17:22	FA51672-15	5		
17:26	FA51672-17	5		
17:31	FA51672-20	5		
----->	Last reportable sample/prep for job FA51672			
17:39	MP33402-MB1	1		
17:44	MA14718-CCV11	1		
17:48	MA14718-CCB11	1		
17:53	MP33402-B1	1		
17:57	FA52055-1	1		(sample used for QC only; not part of login FA51672)
18:01	MP33402-D1	1		
18:06	MP33402-SD1	5		
18:10	MP33402-PS1	1		
18:14	MP33402-S1	1		
18:19	MP33402-S2	1		
18:23	ZZZZZZ	1		
18:27	ZZZZZZ	1		
18:32	ZZZZZZ	1		
18:36	MA14718-CCV12	1		
18:40	MA14718-CCB12	1		
18:45	ZZZZZZ	1		
18:49	ZZZZZZ	1		
18:54	ZZZZZZ	1		
18:58	ZZZZZZ	1		
19:03	MP33402-MB2A	1		
19:07	MA14718-CRIA2	1		
19:12	MA14718-ICSA2	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA51672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030118M1.ICP Date Analyzed: 03/01/18 Methods: SW846 6010C
Analyst: DM Run ID: MA14718
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
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19:16 MA14718-ICSAB2 1

19:21 MA14718-CCV13 1

19:25 MA14718-CCB13 1

----->

Last reportable CCB for job FA51672
Refer to raw data for calibration curve and standards.

6.2
6

INTERNAL STANDARD SUMMARY

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030118M1.ICP Date Analyzed: 03/01/18 Methods: SW846 6010C
 Analyst: DM Run ID: MA14718
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:11	MA14718-STD1	4678	33158	4019	1741
08:14	MA14718-STD2	4597	32230	3946	1673
08:18	MA14718-STD3	4453	31201	3901	1575
08:21	MA14718-STD4	4276	30431	3875	1469
08:25	MA14718-HSTD1	4269	30499	3849	1472
08:28	MA14718-ICV1	4420	31102	3871	1560
08:35	MA14718-ICB1	4636 R	32909 R	4012 R	1729 R
08:42	MA14718-CRIA1	4600	32161	3954	1704
08:46	MA14718-ICSA1	4015	27821	3652	1427
08:53	MA14718-ICSAB1	3982	27805	3693	1409
08:57	MA14718-CCV1	4381	30953	3882	1563
09:01	MA14718-CCB1	4579	32507	3966	1715
09:05	MP33398-MB1	4461	31683	3793	1660
09:09	MP33398-B1	4455	31349	3842	1655
09:13	FA51672-5	4573	32240	3919	1693
09:18	MP33398-D1	4579	32140	3920	1695
09:22	MP33398-D2	4559	32242	3900	1693
09:26	MP33398-SD1	4682	32990	4010	1752
09:31	MP33398-PS1	4589	32181	3951	1706
09:35	MP33398-S1	4592	31999	3928	1691
09:39	MP33398-S2	4619	32279	3942	1692
09:44	FA51672-1	4581	32088	3904	1701
09:48	MA14718-CCV2	4474	31281	3924	1583
09:52	MA14718-CCB2	4666	32737	3972	1743
09:57	FA51672-2	4617	32148	3910	1712
10:01	FA51672-3	4554	31941	3927	1700
10:05	FA51672-4	4665	32862	4010	1740
10:14	FA51672-7	4595	32089	3910	1703
10:18	FA51672-8	4558	31990	3903	1690
10:23	FA51672-9	4673	32961	3988	1735
10:27	FA51672-10	4625	32517	3968	1720
10:31	FA51672-11	4587	32084	3924	1697
10:36	MP33399-MB1	4539	32045	3864	1686

INTERNAL STANDARD SUMMARY

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030118M1.ICP Date Analyzed: 03/01/18 Methods: SW846 6010C
 Analyst: DM Run ID: MA14718
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:40	MA14718-CCV3	4447	31198	3870	1591
10:44	MA14718-CCB3	4648	32548	3890	1727
10:49	MP33399-B1	4533	31241	3783	1653
10:53	FA51672-18	4630	32405	3855	1703
10:58	MP33399-D1	4630	32167	3925	1706
11:04	MP33399-D2	4565	31725	3855	1675
11:08	MP33399-SD1	4695	32808	3969	1752
11:13	MP33399-PS1	4575	31798	3852	1679
11:17	MP33399-S1	4545	31383	3834	1652
11:21	MP33399-S2	4617	32038	3923	1679
11:26	FA51672-12	4694	32713	3954	1735
11:30	FA51672-13	4591	31969	3889	1693
11:34	MA14718-CCV4	4448	31217	3891	1590
11:39	MA14718-CCB4	4660	32658	3926	1753
11:43	FA51672-14	4621	32145	3902	1707
11:47	FA51672-15	4615	32046	3861	1706
11:52	FA51672-16	4632	32293	3887	1715
11:56	FA51672-17	4655	32276	3874	1719
12:00	FA51672-19	4648	32598	3894	1717
12:05	FA51672-20	4644	32345	3879	1718
12:09	FA51672-21	4658	32377	3879	1712
12:18	ZZZZZ	6037 !	41124	5206 !	1620
12:23	ZZZZZ	5414	37300	4583	1684
12:27	MA14718-CCV5	4495	31285	3843	1601
12:31	MA14718-CCB5	4724	32942	3957	1763
12:36	ZZZZZ	4799	33151	4054	1647
12:40	ZZZZZ	4595	32207	3837	1697
12:44	ZZZZZ	4604	32626	3821	1711
12:49	ZZZZZ	4535	31378	3908	1584
12:53	ZZZZZ	4604	32132	3867	1691
13:02	MP33400-MB1	4572	32312	3862	1704
13:07	MP33400-B1	4440	31016	3781	1614
13:11	FA51916-1	4373	30352	3810	1606

INTERNAL STANDARD SUMMARY

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030118M1.ICP Date Analyzed: 03/01/18 Methods: SW846 6010C
 Analyst: DM Run ID: MA14718
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:16	MP33400-D1	4374	30429	3811	1607
13:20	MA14718-CCV6	4486	31458	3888	1604
13:24	MA14718-CCB6	4688	32893	3971	1760
13:29	MP33400-SD1	4620	32153	3914	1715
13:33	MP33400-S1	4327	30201	3812	1559
13:38	MP33400-S2	4313	30055	3825	1559
13:42	FA51882-10L	4421	30499	3811	1607
13:46	ZZZZZ	4299	30059	3776	1577
13:51	FA51893-1	4284	29868	3764	1557
13:55	ZZZZZ	4300	29993	3724	1577
14:00	MP33400-D2	4408	30363	3796	1599
14:04	MP33400-D3	4280	29807	3741	1563
14:09	MP33400-MB2	4423	30283	3807	1615
14:14	MA14718-CCV7	4495	31372	3855	1599
14:18	MA14718-CCB7	4709	33087	3950	1758
14:22	MP33400-B2	4371	30195	3784	1553
14:27	MP33400-MB3	4571	32324	3854	1703
14:31	MP33400-B3	4478	31112	3801	1628
14:35	MP33401-MB1	4680	33169	3958	1744
14:40	MP33401-B1	4472	31057	3771	1620
15:06	MA14718-CCV8	4517	31621	3917	1605
15:10	MA14718-CCB8	4739	33080	3916	1767
15:28	ZZZZZ	5794	39549	4873	1637
15:32	ZZZZZ	5849	39977	4897	1660
15:58	MA14718-CCV9	4506	31315	3809	1593
16:02	MA14718-CCB9	4738	32743	3857	1760
16:11	ZZZZZ	4920	33889	4462	1320
16:15	ZZZZZ	4629	31805	4202	1312
16:20	ZZZZZ	4686	32023	3857	1677
16:24	ZZZZZ	4455	32250	3816	1709
16:29	ZZZZZ	5713	38639	4822	1583
16:33	ZZZZZ	5516	37726	4685	1539
16:38	ZZZZZ	5718	38892	4822	1513

INTERNAL STANDARD SUMMARY

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030118M1.ICP Date Analyzed: 03/01/18 Methods: SW846 6010C
 Analyst: DM Run ID: MA14718
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:43	FA51672-2	4637	31634	3731	1690
16:47	FA51672-4	4642	31829	3749	1691
16:51	MA14718-CCV10	4490	31180	3702	1578
16:56	MA14718-CCB10	4742	32954	3848	1757
17:04	FA51672-9	4600	31740	3694	1677
17:09	FA51672-11	4614	31961	3710	1671
17:13	FA51672-18	4651	31907	3739	1685
17:18	MP33399-D1	4694	31815	3736	1697
17:22	FA51672-15	4702	32088	3776	1703
17:26	FA51672-17	4645	31932	3748	1689
17:31	FA51672-20	4670	32002	3754	1692
17:39	MP33402-MB1	4631	32148	3739	1705
17:44	MA14718-CCV11	4544	31373	3747	1603
17:48	MA14718-CCB11	4757	32859	3784	1754
17:53	MP33402-B1	4484	30926	3651	1613
17:57	FA52055-1	4481	31150	3658	1654
18:01	MP33402-D1	4509	31201	3671	1656
18:06	MP33402-SD1	4710	32622	3775	1746
18:10	MP33402-PS1	4522	31166	3683	1645
18:14	MP33402-S1	4427	30375	3586	1576
18:19	MP33402-S2	4436	30521	3598	1578
18:23	ZZZZZ	4401	30285	3631	1605
18:27	ZZZZZ	4561	31523	3664	1669
18:32	ZZZZZ	4589	31200	3685	1629
18:36	MA14718-CCV12	4533	31385	3728	1594
18:40	MA14718-CCB12	4774	32834	3774	1747
18:45	ZZZZZ	4265	29019	3551	1531
18:49	ZZZZZ	4359	29754	3670	1568
18:54	ZZZZZ	4350	29519	3599	1552
18:58	ZZZZZ	4324	29253	3578	1531
19:03	MP33402-MB2A	4635	32377	3729	1702
19:07	MA14718-CRIA2	4721	32453	3800	1734
19:12	MA14718-ICSA2	4140	27955	3499	1453

INTERNAL STANDARD SUMMARY

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030118M1.ICP Date Analyzed: 03/01/18 Methods: SW846 6010C
 Analyst: DM Run ID: MA14718
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
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19:16	MA14718-ICSAB2	4083	27820	3489	1424
19:21	MA14718-CCV13	4493	30959	3695	1584
19:25	MA14718-CCB13	4738	32581	3742	1745

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

<u>Istd#</u>	<u>Parameter</u>	<u>Limits</u>
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030118M1.ICP Date Analyzed: 03/01/18 Methods: SW846 6010C
 QC Limits: result < RL Run ID: MA14718 Units: ug/l

Metal	RL	IDL	08:35		09:01		09:52		10:44	
			ICB1	final	CCB1	final	CCB2	final	CCB3	final
Aluminum	200	14	anr							
Antimony	6.0	1	anr							
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2	anr							
Cadmium	4.0	.2	anr							
Calcium	1000	50	anr							
Chromium	10	1	anr							
Cobalt	50	.2	anr							
Copper	25	1	anr							
Iron	300	17	anr							
Lead	5.0	1	0.30	<20	0.30	<20	-0.20	<5.0	0.40	<5.0
Magnesium	5000	35	anr							
Manganese	15	.5	anr							
Molybdenum	50	.3	anr							
Nickel	40	.4	anr							
Potassium	10000	200	anr							
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500	anr							
Strontium	10	.5	anr							
Thallium	10	1.1	anr							
Tin	50	.9	anr							
Titanium	10	.5	anr							
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030118M1.ICP Date Analyzed: 03/01/18 Methods: SW846 6010C
 QC Limits: result < RL Run ID: MA14718 Units: ug/l

Metal	RL	IDL	11:39 CCB4		12:31 CCB5		13:24 CCB6		14:18 CCB7	
			raw	final	raw	final	raw	final	raw	final
Aluminum	200	14	anr							
Antimony	6.0	1	anr							
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2	anr							
Cadmium	4.0	.2	anr							
Calcium	1000	50								
Chromium	10	1	anr							
Cobalt	50	.2	anr							
Copper	25	1	anr							
Iron	300	17								
Lead	5.0	1	-0.10	<5.0	-0.90	<5.0	0.40	<5.0	0.0	<5.0
Magnesium	5000	35								
Manganese	15	.5								
Molybdenum	50	.3	anr							
Nickel	40	.4	anr							
Potassium	10000	200								
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500								
Strontium	10	.5								
Thallium	10	1.1	anr							
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030118M1.ICP Date Analyzed: 03/01/18 Methods: SW846 6010C
 QC Limits: result < RL Run ID: MA14718 Units: ug/l

Metal	RL	IDL	15:10	16:02		16:56		17:48		
			CCB8	raw	final	raw	final	raw	final	raw
Aluminum	200	14	anr							
Antimony	6.0	1	anr							
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2	anr							
Cadmium	4.0	.2	anr							
Calcium	1000	50								
Chromium	10	1	anr							
Cobalt	50	.2	anr							
Copper	25	1	anr							
Iron	300	17								
Lead	5.0	1	-0.30	<5.0	-0.30	<5.0	-0.30	<5.0	0.40	<5.0
Magnesium	5000	35								
Manganese	15	.5								
Molybdenum	50	.3	anr							
Nickel	40	.4	anr							
Potassium	10000	200								
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500								
Strontium	10	.5								
Thallium	10	1.1	anr							
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030118M1.ICP Date Analyzed: 03/01/18 Methods: SW846 6010C
 QC Limits: result < RL Run ID: MA14718 Units: ug/l

Metal	RL	IDL	18:40		19:25	
			CCB12	final	CCB13	final
Aluminum	200	14	anr			
Antimony	6.0	1	anr			
Arsenic	10	1.3	anr			
Barium	200	1	anr			
Beryllium	4.0	.2	anr			
Cadmium	4.0	.2	anr			
Calcium	1000	50				
Chromium	10	1	anr			
Cobalt	50	.2	anr			
Copper	25	1	anr			
Iron	300	17				
Lead	5.0	1	-0.30	<5.0	-0.20	<5.0
Magnesium	5000	35				
Manganese	15	.5				
Molybdenum	50	.3	anr			
Nickel	40	.4	anr			
Potassium	10000	200				
Selenium	10	2.4	anr			
Silver	10	.7	anr			
Sodium	10000	500				
Strontium	10	.5				
Thallium	10	1.1	anr			
Tin	50	.9				
Titanium	10	.5				
Vanadium	50	.5	anr			
Zinc	20	3	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.2
 6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA51672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030118M1.ICP Date Analyzed: 03/01/18 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA14718 Units: ug/l

Metal	Sample ID: ICV	08:28		CCV	08:57		CCV	09:48	
		ICV1	Results % Rec		CCV1	Results % Rec		CCV2	Results % Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	1950	97.5	2000	1990	99.5	2000	1970	98.5
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium	anr								
Thallium	anr								
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA51672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030118M1.ICP Date Analyzed: 03/01/18 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA14718 Units: ug/l

Metal	Sample ID: CCV	10:40 CCV3		CCV	11:34 CCV4		CCV	12:27 CCV5	
		True	Results % Rec		True	Results % Rec		True	Results % Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron									
Lead	2000	2000	100.0	2000	2010	100.5	2000	1970	98.5
Magnesium									
Manganese									
Molybdenum	anr								
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3

6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA51672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030118M1.ICP Date Analyzed: 03/01/18 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA14718 Units: ug/l

Metal	Sample ID: CCV	13:20		CCV	14:14		CCV	15:06	
		CCV6	Results % Rec		CCV7	Results % Rec		CCV8	Results % Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron									
Lead	2000	2000	100.0	2000	1990	99.5	2000	1980	99.0
Magnesium									
Manganese									
Molybdenum	anr								
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA51672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030118M1.ICP Date Analyzed: 03/01/18 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA14718 Units: ug/l

Metal	Sample ID: CCV	15:58		CCV	16:51		CCV	17:44	
		CCV9	Results		CCV10	Results		CCV11	Results
	True		% Rec	True		% Rec	True		% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron									
Lead	2000	1990	99.5	2000	2000	100.0	2000	1970	98.5
Magnesium									
Manganese									
Molybdenum	anr								
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3

6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA51672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030118M1.ICP Date Analyzed: 03/01/18 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA14718 Units: ug/l

	Time:		18:36		19:21	
Sample ID:	CCV	CCV12	CCV	CCV13		
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron						
Lead	2000	1970	98.5	2000	1990	99.5
Magnesium						
Manganese						
Molybdenum	anr					
Nickel	anr					
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

(*) Outside of QC limits
(anr) Analyte not requested

6.2.3

6

HIGH STANDARD CHECK SUMMARY

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030118M1.ICP Date Analyzed: 03/01/18 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA14718 Units: ug/l

Time:	08:25		
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	4000	4040	101.0
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium	anr		
Thallium	anr		
Tin	anr		
Titanium	anr		
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.4
6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030118M1.ICP Date Analyzed: 03/01/18 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA14718 Units: ug/l

Sample ID:	CRI	CRIA	08:42 CRIA1	% Rec	19:07 CRIA2	% Rec
Metal	True	True	Results		Results	
Aluminum	400	200	anr			
Antimony	10	5.0	anr			
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0	anr			
Cadmium	10	5.0	anr			
Calcium	2000	1000	anr			
Chromium	20	10	anr			
Cobalt	100	50	anr			
Copper	50	25	anr			
Iron	600	300	anr			
Lead	10	5.0	4.4	88.0	4.5	90.0
Magnesium	10000	5000	anr			
Manganese	30	15	anr			
Molybdenum	100	50	anr			
Nickel	80	40	anr			
Potassium	20000	10000	anr			
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000	anr			
Strontium	20	10	anr			
Thallium	20	10	anr			
Tin	100	50	anr			
Titanium	20	10	anr			
Vanadium	100	50	anr			
Zinc	40	20	anr			

(*) Outside of QC limits
 (anr) Analyte not requested

6.2.5
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA51672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030118M1.ICP Date Analyzed: 03/01/18 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA14718 Units: ug/l

Metal	Time:		08:46		08:53		19:12		19:16	
	Sample ID:	ICSAB	ICSAL	% Rec	ICSAB1	% Rec	ICSA2	% Rec	ICSAB2	% Rec
Aluminum	500000	500000	533000	106.6	525000	105.0	534000	106.8	544000	108.8
Antimony		1000	-1.3		1010	101.0	4.0		978	97.8
Arsenic		1000	0.0		1090	109.0	1.6		1060	106.0
Barium		500	0.60		514	102.8	0.50		530	106.0
Beryllium		500	-0.10		504	100.8	-0.10		515	103.0
Cadmium		1000	0.0		959	95.9	-0.40		935	93.5
Calcium	500000	500000	479000	95.8	464000	92.8	483000	96.6	479000	95.8
Chromium		500	0.0		501	100.2	0.10		503	100.6
Cobalt		500	-0.20		489	97.8	-0.40		483	96.6
Copper		500	0.20		545	109.0	-0.80		545	109.0
Iron	200000	200000	189000	94.5	189000	94.5	186000	93.0	188000	94.0
Lead		1000	-0.80		955	95.5	-1.7		944	94.4
Magnesium	500000	500000	525000	105.0	511000	102.2	531000	106.2	524000	104.8
Manganese		500	0.0		509	101.8	-0.30		496	99.2
Molybdenum		1000	0.20		911	91.1	0.0		907	90.7
Nickel		1000	0.50		977	97.7	0.60		983	98.3
Potassium			24.5		32.6		57.8		70.8	
Selenium		1000	-0.20		961	96.1	-1.0		940	94.0
Silver		1000	-0.20		1150	115.0	0.0		1150	115.0
Sodium			128		136		164		173	
Strontium		1000	-0.30		999	99.9	0.10		1040	104.0
Thallium		1000	0.0		917	91.7	0.80		902	90.2
Tin		1000	-0.90		931	93.1	1.1		933	93.3
Titanium		1000	0.40		981	98.1	0.30		998	99.8
Vanadium		500	0.20		488	97.6	0.50		500	100.0
Zinc		1000	0.40		948	94.8	0.50		963	96.3

(*) Outside of QC limits
(anr) Analyte not requested

6.2.6
6

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA51672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030218M1.ICP Date Analyzed: 03/02/18 Methods: SW846 6010C
Analyst: DM Run ID: MA14720
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:08	MA14720-STD1	1		STDA
09:12	MA14720-STD2	1		STDB
09:16	MA14720-STD3	1		STDC
09:21	MA14720-STD4	1		STDD
09:24	MA14720-HSTD1	1		
09:29	MA14720-ICV1	1		
09:36	MA14720-ICB1	1		
09:40	MA14720-CRIA1	1		
09:44	MA14720-ICSA1	1		
09:53	MA14720-ICSAB1	1		
09:56	MA14720-CCV1	1		
10:02	MA14720-CCB1	1		
10:06	FA52070-1	5		(sample used for QC only; not part of login FA51672)
10:11	MP33401-D1	5		
10:15	MP33401-S1	5		
10:19	MP33401-S2	5		
10:23	MP33401-PS1	5		
10:28	MP33401-SD1	25		
10:32	ZZZZZZ	5		
10:36	ZZZZZZ	5		
10:41	ZZZZZZ	2		
10:45	ZZZZZZ	2		
10:49	MA14720-CCV2	1		
10:54	MA14720-CCB2	1		
10:58	ZZZZZZ	4		
11:02	ZZZZZZ	4		
11:07	ZZZZZZ	5		
11:11	ZZZZZZ	5		
11:15	FA51672-6	5		
11:20	FA51672-22	5		
----->	Last reportable sample/prep for job FA51672			
11:41	MA14720-CCV3	1		
11:46	MA14720-CCB3	1		
12:05	MA14720-CCV4	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA51672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030218M1.ICP Date Analyzed: 03/02/18 Methods: SW846 6010C
Analyst: DM Run ID: MA14720
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:09	MA14720-CCB4	1		
12:56	MA14720-CCV5	1		
13:01	MA14720-CCB5	1		
13:49	MA14720-CCV6	1		
13:54	MA14720-CCB6	1		
14:42	MA14720-CCV7	1		
14:46	MA14720-CCB7	1		
15:35	MA14720-CCV8	1		
15:40	MA14720-CCB8	1		
16:15	MP33407-MB1	1		
16:20	MP33407-B1	1		
16:24	FA52028-1	1		(sample used for QC only; not part of login FA51672)
16:29	MA14720-CCV9	1		
16:33	MA14720-CCB9	1		
16:37	MP33407-D1	1		
16:42	MP33407-SD1	5		
16:46	MP33407-PS1	1		
16:50	MP33407-S1	1		
16:55	MP33407-S2	1		
16:59	ZZZZZZ	1		
17:03	ZZZZZZ	1		
17:22	MA14720-CCV10	1		
17:26	MA14720-CCB10	1		
18:19	MA14720-CCV11	1		
18:23	MA14720-CCB11	1		
18:27	ZZZZZZ	1		
18:32	ZZZZZZ	1		
18:36	ZZZZZZ	1		
18:41	ZZZZZZ	1		
18:45	MA14720-CRIA2	1		
18:50	MA14720-ICSA2	1		
18:54	MA14720-ICSAB2	1		
18:59	MA14720-CCV12	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA51672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030218M1.ICP Date Analyzed: 03/02/18 Methods: SW846 6010C
Analyst: DM Run ID: MA14720
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
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19:03 MA14720-CCB12 1
-----> Last reportable CCB for job FA51672
Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030218M1.ICP Date Analyzed: 03/02/18 Methods: SW846 6010C
 Analyst: DM Run ID: MA14720
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:08	MA14720-STD1	4629	32514	3826	1751
09:12	MA14720-STD2	4576	32113	3869	1701
09:16	MA14720-STD3	4408	31109	3858	1587
09:21	MA14720-STD4	4242	30247	3788	1494
09:24	MA14720-HSTD1	4254	30124	3780	1494
09:29	MA14720-ICV1	4403	31004	3832	1600
09:36	MA14720-ICB1	4663 R	32805 R	3928 R	1777 R
09:40	MA14720-CRIA1	4612	32395	3965	1755
09:44	MA14720-ICSA1	4067	28142	3729	1478
09:53	MA14720-ICSAB1	3980	27759	3631	1426
09:56	MA14720-CCV1	4378	30984	3824	1597
10:02	MA14720-CCB1	4616	32612	3942	1774
10:06	FA52070-1	5151	36247	4455	1755
10:11	MP33401-D1	5191	36793	4475	1768
10:15	MP33401-S1	5131	36331	4526	1730
10:19	MP33401-S2	5121	36216	4511	1731
10:23	MP33401-PS1	5120	36442	4502	1762
10:28	MP33401-SD1	4751	33860	4183	1800
10:32	ZZZZZZ	5223	37038	4675	1775
10:36	ZZZZZZ	5063	35924	4537	1774
10:41	ZZZZZZ	5311	37433	4752	1745
10:45	ZZZZZZ	5431	37957	4841	1728
10:49	MA14720-CCV2	4366	31263	3963	1611
10:54	MA14720-CCB2	4582	32607	4060	1792
10:58	ZZZZZZ	5055	35731	4560	1754
11:02	ZZZZZZ	5051	35738	4523	1770
11:07	ZZZZZZ	5138	36358	4654	1773
11:11	ZZZZZZ	4996	35538	4542	1781
11:15	FA51672-6	4505	32057	4102	1749
11:20	FA51672-22	4507	31789	4069	1745
11:41	MA14720-CCV3	4348	31312	4094	1637
11:46	MA14720-CCB3	4551	32826	4198	1812
12:05	MA14720-CCV4	4328	31248	4129	1632

INTERNAL STANDARD SUMMARY

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030218M1.ICP Date Analyzed: 03/02/18 Methods: SW846 6010C
 Analyst: DM Run ID: MA14720
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:09	MA14720-CCB4	4556	32917	4199	1809
12:56	MA14720-CCV5	4380	31813	4218	1645
13:01	MA14720-CCB5	4593	33335	4289	1828
13:49	MA14720-CCV6	4394	31926	4281	1655
13:54	MA14720-CCB6	4635	33457	4259	1830
14:42	MA14720-CCV7	4418	32225	4315	1660
14:46	MA14720-CCB7	4637	33659	4349	1829
15:35	MA14720-CCV8	4427	32186	4267	1658
15:40	MA14720-CCB8	4674	33870	4459	1847
16:15	MP33407-MB1	4654	34224	4445	1834
16:20	MP33407-B1	4500	32690	4325	1733
16:24	FA52028-1	4525	32362	4350	1754
16:29	MA14720-CCV9	4418	32402	4299	1656
16:33	MA14720-CCB9	4659	33864	4429	1845
16:37	MP33407-D1	4513	32536	4445	1764
16:42	MP33407-SD1	4641	33511	4439	1827
16:46	MP33407-PS1	4513	32253	4338	1734
16:50	MP33407-S1	4471	32313	4360	1694
16:55	MP33407-S2	4450	32307	4393	1692
16:59	ZZZZZZ	4564	33413	4503	1787
17:03	ZZZZZZ	4655	33841	4510	1799
17:22	MA14720-CCV10	4433	33128	4705	1675
17:26	MA14720-CCB10	4596	34252	4686	1805
18:19	MA14720-CCV11	4462	32962	4528	1676
18:23	MA14720-CCB11	4708	34820	4648	1851
18:27	ZZZZZZ	4621	34098	4608	1817
18:32	ZZZZZZ	4697	34290	4602	1832
18:36	ZZZZZZ	4650	34317	4567	1826
18:41	ZZZZZZ	4411	32253	4519	1689
18:45	MA14720-CRIA2	4690	34108	4483	1834
18:50	MA14720-ICSA2	4128	29577	4072	1530
18:54	MA14720-ICSAB2	4118	29666	4115	1515
18:59	MA14720-CCV12	4466	32672	4371	1671

INTERNAL STANDARD SUMMARY

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030218M1.ICP Date Analyzed: 03/02/18 Methods: SW846 6010C
 Analyst: DM Run ID: MA14720
 Parameters: Pb

Sample					
Time	Description	Istd#1	Istd#2	Istd#3	Istd#4
19:03	MA14720-CCB12	4718	34363	4504	1859

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

<u>Istd#</u>	<u>Parameter</u>	<u>Limits</u>
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.3.1

6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030218M1.ICP Date Analyzed: 03/02/18 Methods: SW846 6010C
 QC Limits: result < RL Run ID: MA14720 Units: ug/l

Metal	RL	IDL	09:36		10:02		10:54		11:46	
			ICB1	final	CCB1	final	CCB2	final	CCB3	final
Aluminum	200	14	anr							
Antimony	6.0	1	anr							
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2	anr							
Cadmium	4.0	.2	anr							
Calcium	1000	50	anr							
Chromium	10	1	anr							
Cobalt	50	.2	anr							
Copper	25	1	anr							
Iron	300	17	anr							
Lead	5.0	1	-0.30	<20	-0.20	<20	-0.10	<5.0	0.60	<5.0
Magnesium	5000	35	anr							
Manganese	15	.5	anr							
Molybdenum	50	.3	anr							
Nickel	40	.4	anr							
Potassium	10000	200	anr							
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500	anr							
Strontium	10	.5	anr							
Thallium	10	1.1	anr							
Tin	50	.9	anr							
Titanium	10	.5	anr							
Vanadium	50	.5	anr							
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.2
 6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030218M1.ICP Date Analyzed: 03/02/18 Methods: SW846 6010C
 QC Limits: result < RL Run ID: MA14720 Units: ug/l

Metal	RL	IDL	12:09 CCB4		13:01 CCB5		13:54 CCB6		14:46 CCB7	
			raw	final	raw	final	raw	final	raw	final
Aluminum	200	14	anr							
Antimony	6.0	1								
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2								
Cadmium	4.0	.2	anr							
Calcium	1000	50								
Chromium	10	1	anr							
Cobalt	50	.2								
Copper	25	1	anr							
Iron	300	17	anr							
Lead	5.0	1	0.0	<5.0	0.0	<5.0	0.70	<5.0	0.0	<5.0
Magnesium	5000	35								
Manganese	15	.5	anr							
Molybdenum	50	.3								
Nickel	40	.4	anr							
Potassium	10000	200								
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.1								
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5								
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.2
 6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030218M1.ICP Date Analyzed: 03/02/18 Methods: SW846 6010C
 QC Limits: result < RL Run ID: MA14720 Units: ug/l

Metal	RL	IDL	15:40	16:33		17:26		18:23		
			CCB8	raw	final	raw	final	raw	final	raw
Aluminum	200	14	anr							
Antimony	6.0	1								
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2								
Cadmium	4.0	.2	anr							
Calcium	1000	50								
Chromium	10	1	anr							
Cobalt	50	.2								
Copper	25	1	anr							
Iron	300	17	anr							
Lead	5.0	1	0.50	<5.0	0.30	<5.0	-0.30	<5.0	0.40	<5.0
Magnesium	5000	35								
Manganese	15	.5	anr							
Molybdenum	50	.3								
Nickel	40	.4	anr							
Potassium	10000	200								
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500	anr							
Strontium	10	.5								
Thallium	10	1.1								
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5								
Zinc	20	3	anr							

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.2
 6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030218M1.ICP Date Analyzed: 03/02/18 Methods: SW846 6010C
 QC Limits: result < RL Run ID: MA14720 Units: ug/l

Metal	RL	IDL	19:03 CCB12 raw	final
Aluminum	200	14	anr	
Antimony	6.0	1		
Arsenic	10	1.3	anr	
Barium	200	1	anr	
Beryllium	4.0	.2		
Cadmium	4.0	.2	anr	
Calcium	1000	50		
Chromium	10	1	anr	
Cobalt	50	.2		
Copper	25	1	anr	
Iron	300	17	anr	
Lead	5.0	1	-0.30	<5.0
Magnesium	5000	35		
Manganese	15	.5	anr	
Molybdenum	50	.3		
Nickel	40	.4	anr	
Potassium	10000	200		
Selenium	10	2.4	anr	
Silver	10	.7	anr	
Sodium	10000	500	anr	
Strontium	10	.5		
Thallium	10	1.1		
Tin	50	.9		
Titanium	10	.5		
Vanadium	50	.5		
Zinc	20	3	anr	

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.2
 6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA51672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030218M1.ICP Date Analyzed: 03/02/18 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA14720 Units: ug/l

Metal	Sample ID:	Time: 09:29		CCV	Time: 09:56		CCV	Time: 10:49	
		ICV	ICV1		CCV1	CCV2			
	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	2000	1940	97.0	2000	2020	101.0	2000	2040	102.0
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium	anr								
Thallium	anr								
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA51672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030218M1.ICP Date Analyzed: 03/02/18 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA14720 Units: ug/l

Metal	Sample ID:	11:41		12:05		12:56			
		CCV	CCV3	CCV	CCV4	CCV	CCV5		
	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	2000	2070	103.5	2000	1980	99.0	2000	1970	98.5
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.3.3

6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA51672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030218M1.ICP Date Analyzed: 03/02/18 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA14720 Units: ug/l

Metal	Sample ID: CCV	13:49 CCV6		CCV	14:42 CCV7		CCV	15:35 CCV8	
		True	Results % Rec		True	Results % Rec		True	Results % Rec
Aluminum	anr								
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	2000	1960	98.0	2000	1940	97.0	2000	1940	97.0
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.3.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA51672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030218M1.ICP Date Analyzed: 03/02/18 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA14720 Units: ug/l

Metal	Sample ID: CCV	16:29 CCV9		CCV	17:22 CCV10		CCV	18:19 CCV11	
		True	Results % Rec		True	Results % Rec		True	Results % Rec
Aluminum	anr								
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	2000	1950	97.5	2000	1870	93.5	2000	1880	94.0
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

6.3.3
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA51672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030218M1.ICP Date Analyzed: 03/02/18 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA14720 Units: ug/l

	Time:	18:59		
	Sample ID:	CCV	CCV12	
Metal	True	Results	% Rec	

Aluminum	anr		
Antimony			
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium	anr		
Calcium			
Chromium	anr		
Cobalt			
Copper	anr		
Iron	anr		
Lead	2000	1940	97.0
Magnesium			
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium			
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

6.3.3
6

HIGH STANDARD CHECK SUMMARY

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030218M1.ICP Date Analyzed: 03/02/18 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA14720 Units: ug/l

Time:	09:24		
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Cadmium	anr		
Calcium	anr		
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	4000	3990	99.8
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Potassium	anr		
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium	anr		
Thallium	anr		
Tin	anr		
Titanium	anr		
Vanadium	anr		
Zinc	anr		

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.4
 6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SA030218M1.ICP Date Analyzed: 03/02/18 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA14720 Units: ug/l

Time:			09:40			18:45		
Sample ID:	CRI	CRIA	CRI1	% Rec	CRI2	% Rec		
Metal	True	True	Results	% Rec	Results	% Rec		
Aluminum	400	200	anr					
Antimony	10	5.0	anr					
Arsenic	20	10	anr					
Barium	400	200	anr					
Beryllium	10	5.0	anr					
Cadmium	10	5.0	anr					
Calcium	2000	1000	anr					
Chromium	20	10	anr					
Cobalt	100	50	anr					
Copper	50	25	anr					
Iron	600	300	anr					
Lead	10	5.0	5.1	102.0	4.9	98.0		
Magnesium	10000	5000	anr					
Manganese	30	15	anr					
Molybdenum	100	50	anr					
Nickel	80	40	anr					
Potassium	20000	10000	anr					
Selenium	20	10	anr					
Silver	20	10	anr					
Sodium	20000	10000	anr					
Strontium	20	10	anr					
Thallium	20	10	anr					
Tin	100	50	anr					
Titanium	20	10	anr					
Vanadium	100	50	anr					
Zinc	40	20	anr					

(*) Outside of QC limits
 (anr) Analyte not requested

6.3.5
 6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA51672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SA030218M1.ICP Date Analyzed: 03/02/18 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA14720 Units: ug/l

Metal	Time:		09:44		09:53		18:50		18:54	
	Sample ID:	ICSAB	ICSAL	% Rec	ICSAB1	% Rec	ICSA2	% Rec	ICSAB2	% Rec
Aluminum	500000	500000	508000	101.6	509000	101.8	536000	107.2	531000	106.2
Antimony		1000	0.0		999	99.9	-1.7		947	94.7
Arsenic		1000	0.0		1080	108.0	1.0		1010	101.0
Barium		500	0.20		507	101.4	0.30		530	106.0
Beryllium		500	-0.10		508	101.6	0.0		484	96.8
Cadmium		1000	0.70		957	95.7	1.3		892	89.2
Calcium	500000	500000	459000	91.8	464000	92.8	477000	95.4	463000	92.6
Chromium		500	0.40		486	97.2	-0.10		468	93.6
Cobalt		500	0.10		486	97.2	0.0		468	93.6
Copper		500	0.0		528	105.6	-1.7		539	107.8
Iron	200000	200000	182000	91.0	183000	91.5	176000	88.0	175000	87.5
Lead		1000	0.70		966	96.6	-15* (a)		885	88.5
Magnesium	500000	500000	497000	99.4	495000	99.0	502000	100.4	490000	98.0
Manganese		500	0.70		501	100.2	0.60		467	93.4
Molybdenum		1000	0.0		894	89.4	-0.60		870	87.0
Nickel		1000	-0.10		963	96.3	-1.1		958	95.8
Potassium			216		79.4		65.4		52.2	
Selenium		1000	-0.40		947	94.7	-2.0		916	91.6
Silver		1000	-0.70		1080	108.0	0.10		1080	108.0
Sodium			134		130		814		674	
Strontium		1000	-0.80		955	95.5	0.30		1030	103.0
Thallium		1000	0.30		928	92.8	-1.6		867	86.7
Tin		1000	1.2		923	92.3	0.90		895	89.5
Titanium		1000	-1.1		978	97.8	-1.0		922	92.2
Vanadium		500	0.0		489	97.8	-0.30		450	90.0
Zinc		1000	0.0		919	91.9	-0.70		895	89.5

(*) Outside of QC limits
(anr) Analyte not requested
(a) Possible instrument baseline drift.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA51672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP33363
Matrix Type: AQUEOUS

Methods: SW846 6020A
Units: ug/l

Prep Date: 02/20/18

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	8.7	22		
Antimony	2.0	.2	.2		
Arsenic	2.0	.2	.21		
Barium	2.0	.2	.2		
Beryllium	2.0	.2	.2		
Cadmium	2.0	.2	.2		
Calcium	200	14	36		
Chromium	2.0	.2	.2		
Cobalt	2.0	.2	.2		
Copper	2.0	.2	.2		
Iron	200	16	23		
Lead	2.0	.2	.2	0.048	<2.0
Magnesium	200	10	19		
Manganese	2.0	.2	.2		
Molybdenum	2.0	.2	.39		
Nickel	2.0	.2	.2		
Potassium	200	13	75		
Selenium	2.0	.22	.22		
Silver	2.0	.2	.2		
Sodium	200	9.6	24		
Strontium	2.0	.2	.2		
Thallium	2.0	.2	.2		
Tin	2.0	.2	.2		
Titanium	2.0	.61	.88		
Vanadium	2.0	.2	.24		
Zinc	4.0	.58	1.7		

Associated samples MP33363: FA51672-23, FA51672-24, FA51672-25, FA51672-26

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP33363
 Matrix Type: AQUEOUS

Methods: SW846 6020A
 Units: ug/l

Prep Date: 02/20/18 02/20/18

Metal	FA51737-1F Original	DUP	RPD	QC Limits	FA51737-1F Original MS	Spikelot MPICPMS1	% Rec	QC Limits	
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	0.0	0.0	NC	0-20	0.0	207	200	103.5	80-120
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium	anr								
Thallium	anr								
Tin	anr								
Titanium	anr								
Vanadium	anr								
Zinc	anr								

Associated samples MP33363: FA51672-23, FA51672-24, FA51672-25, FA51672-26

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP33363
 Matrix Type: AQUEOUS

Methods: SW846 6020A
 Units: ug/l

Prep Date: 02/20/18

Metal	FA51737-1F Original MSD	SpikeLot MPICPMS1	% Rec	MSD RPD	QC Limit
Aluminum	anr				
Antimony	anr				
Arsenic	anr				
Barium	anr				
Beryllium	anr				
Cadmium	anr				
Calcium	anr				
Chromium	anr				
Cobalt	anr				
Copper	anr				
Iron	anr				
Lead	0.0	204	200	102.0	1.5 20
Magnesium	anr				
Manganese	anr				
Molybdenum	anr				
Nickel	anr				
Potassium	anr				
Selenium	anr				
Silver	anr				
Sodium	anr				
Strontium	anr				
Thallium	anr				
Tin	anr				
Titanium	anr				
Vanadium	anr				
Zinc	anr				

Associated samples MP33363: FA51672-23, FA51672-24, FA51672-25, FA51672-26

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP33363
 Matrix Type: AQUEOUS

Methods: SW846 6020A
 Units: ug/l

Prep Date: 02/20/18

Metal	BSP Result	Spikelot MPICPMS1	% Rec	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Cadmium	anr			
Calcium	anr			
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron	anr			
Lead	193	200	96.5	80-120
Magnesium	anr			
Manganese	anr			
Molybdenum	anr			
Nickel	anr			
Potassium	anr			
Selenium	anr			
Silver	anr			
Sodium	anr			
Strontium	anr			
Thallium	anr			
Tin	anr			
Titanium	anr			
Vanadium	anr			
Zinc	anr			

Associated samples MP33363: FA51672-23, FA51672-24, FA51672-25, FA51672-26

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.3
 6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP33363
 Matrix Type: AQUEOUS

Methods: SW846 6020A
 Units: ug/l

Prep Date: 02/20/18

Metal	FA51737-1F	Original	SDL 2:10	%DIF	QC Limits
Aluminum	anr				
Antimony	anr				
Arsenic	anr				
Barium	anr				
Beryllium	anr				
Cadmium	anr				
Calcium	anr				
Chromium	anr				
Cobalt	anr				
Copper	anr				
Iron	anr				
Lead	0.00	0.00	NC		0-10
Magnesium	anr				
Manganese	anr				
Molybdenum	anr				
Nickel	anr				
Potassium	anr				
Selenium	anr				
Silver	anr				
Sodium	anr				
Strontium	anr				
Thallium	anr				
Tin	anr				
Titanium	anr				
Vanadium	anr				
Zinc	anr				

Associated samples MP33363: FA51672-23, FA51672-24, FA51672-25, FA51672-26

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.4.4
 6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA51672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP33398
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 02/28/18

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.4	3.5		
Antimony	2.0	.1	.13		
Arsenic	1.0	.13	.2		
Barium	20	.1	.1		
Beryllium	0.50	.02	.05		
Cadmium	0.40	.02	.05		
Calcium	500	5	5		
Chromium	1.0	.1	.1		
Cobalt	5.0	.02	.05		
Copper	2.5	.1	.1		
Iron	30	1.7	1.7		
Lead	2.0	.1	.1	0.24	<2.0
Magnesium	500	3.5	3.6		
Manganese	1.5	.05	.05		
Molybdenum	5.0	.03	.05		
Nickel	4.0	.04	.05		
Potassium	1000	20	20		
Selenium	2.0	.24	.24		
Silver	1.0	.07	.082		
Sodium	1000	50	50		
Strontium	1.0	.05	.05		
Thallium	1.0	.11	.11		
Tin	5.0	.09	.09		
Titanium	1.0	.05	.05		
Vanadium	5.0	.05	.05		
Zinc	2.0	.3	.3		

Associated samples MP33398: FA51672-1, FA51672-2, FA51672-3, FA51672-4, FA51672-5, FA51672-6, FA51672-7, FA51672-8, FA51672-9, FA51672-10, FA51672-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP33398
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 02/28/18 02/28/18

Metal	FA51672-5		QC Limits	FA51672-5		QC Limits
	Original	DUP		Original	DUP	
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead	523	499	4.7	0-20	523 523	0.0 0-20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP33398: FA51672-1, FA51672-2, FA51672-3, FA51672-4, FA51672-5, FA51672-6, FA51672-7, FA51672-8, FA51672-9, FA51672-10, FA51672-11

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.5.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP33398
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 02/28/18

Metal	FA51672-5 Original MS	Spike/lot MPFLICP2 % Rec	QC Limits
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead	523 528	4.77	52.4N(a) 80-120
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

Associated samples MP33398: FA51672-1, FA51672-2, FA51672-3, FA51672-4, FA51672-5, FA51672-6, FA51672-7, FA51672-8, FA51672-9, FA51672-10, FA51672-11

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested
 (a) Spike recovery indicates possible matrix interference and/or sample non-homogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP33398
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 02/28/18

Metal	FA51672-5 Original MSD	Spike MPFLICP2	lot % Rec	MSD RPD	QC Limit
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead	523	513	4.99	-200.4Na 2.9	20
Magnesium					
Manganese					
Molybdenum					
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc					

Associated samples MP33398: FA51672-1, FA51672-2, FA51672-3, FA51672-4, FA51672-5, FA51672-6, FA51672-7, FA51672-8, FA51672-9, FA51672-10, FA51672-11

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested
 (a) Spike recovery indicates possible matrix interference and/or sample non-homogeneity.

6.5.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP33398
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 02/28/18

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	11.1	5	111.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP33398: FA51672-1, FA51672-2, FA51672-3, FA51672-4, FA51672-5, FA51672-6, FA51672-7, FA51672-8, FA51672-9, FA51672-10, FA51672-11

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP33398
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 02/28/18

Metal	FA51672-5	QC
	Original SDL 10:50%DIF	Limits

Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	26100	24600	5.6	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP33398: FA51672-1, FA51672-2, FA51672-3, FA51672-4, FA51672-5, FA51672-6, FA51672-7, FA51672-8, FA51672-9, FA51672-10, FA51672-11

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.5.4
 6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA51672
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP33399
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 02/28/18

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.4	3.5		
Antimony	2.0	.1	.13		
Arsenic	1.0	.13	.2		
Barium	20	.1	.1		
Beryllium	0.50	.02	.05		
Cadmium	0.40	.02	.05		
Calcium	500	5	5		
Chromium	1.0	.1	.1		
Cobalt	5.0	.02	.05		
Copper	2.5	.1	.1		
Iron	30	1.7	1.7		
Lead	2.0	.1	.1	-0.052	<2.0
Magnesium	500	3.5	3.6		
Manganese	1.5	.05	.05		
Molybdenum	5.0	.03	.05		
Nickel	4.0	.04	.05		
Potassium	1000	20	20		
Selenium	2.0	.24	.24		
Silver	1.0	.07	.082		
Sodium	1000	50	50		
Strontium	1.0	.05	.05		
Thallium	1.0	.11	.11		
Tin	5.0	.09	.09		
Titanium	1.0	.05	.05		
Vanadium	5.0	.05	.05		
Zinc	2.0	.3	.3		

Associated samples MP33399: FA51672-12, FA51672-13, FA51672-14, FA51672-15, FA51672-16, FA51672-17, FA51672-18, FA51672-19, FA51672-20, FA51672-21, FA51672-22

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP33399
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 02/28/18 02/28/18

Metal	FA51672-18		QC Limits	FA51672-18		QC Limits
	Original	DUP		Original	DUP	
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead	1.3	1.3	0-20	1.3	1.3	0-20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP33399: FA51672-12, FA51672-13, FA51672-14, FA51672-15, FA51672-16, FA51672-17, FA51672-18, FA51672-19, FA51672-20, FA51672-21, FA51672-22

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.6.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP33399
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 02/28/18

Metal	FA51672-18 Original MS	Spike/lot MPFLICP2 % Rec	QC Limits
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead	1.3	11.2	4.99
Magnesium			99.2
Manganese			80-120
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

Associated samples MP33399: FA51672-12, FA51672-13, FA51672-14, FA51672-15, FA51672-16, FA51672-17, FA51672-18, FA51672-19, FA51672-20, FA51672-21, FA51672-22

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP33399
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 02/28/18

Metal	FA51672-18 Original MSD	SpikeLot MPFLICP2	% Rec	MSD RPD	QC Limit
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead	1.3	11.8	4.99	105.2	5.2 20
Magnesium					
Manganese					
Molybdenum					
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc					

Associated samples MP33399: FA51672-12, FA51672-13, FA51672-14, FA51672-15, FA51672-16, FA51672-17, FA51672-18, FA51672-19, FA51672-20, FA51672-21, FA51672-22

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP33399
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 02/28/18

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	10.6	5	106.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP33399: FA51672-12, FA51672-13, FA51672-14, FA51672-15, FA51672-16, FA51672-17, FA51672-18, FA51672-19, FA51672-20, FA51672-21, FA51672-22

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP33399
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 02/28/18

Metal	FA51672-18	QC
	Original	Limits

Metal	FA51672-18	QC	Limits
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead	65.2	52.0	20.2 (a) 0-10
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

Associated samples MP33399: FA51672-12, FA51672-13, FA51672-14, FA51672-15, FA51672-16, FA51672-17, FA51672-18, FA51672-19, FA51672-20, FA51672-21, FA51672-22

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested
 (a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: FA51672
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP33399 Methods: SW846 6010C
 Matrix Type: SOLID Units: ug/l

Prep Date: 02/28/18

Metal	Sample ml	Final ml	FA51672-18 Raw	PS Corr.** ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	9.8	10	65.2	63.896	101.3	0.2	2.5	50	74.8*(a) 80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP33399: FA51672-12, FA51672-13, FA51672-14, FA51672-15, FA51672-16, FA51672-17, FA51672-18, FA51672-19, FA51672-20, FA51672-21, FA51672-22

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(**) Corr. sample result = Raw * (sample volume / final volume)

(anr) Analyte not requested

(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

Instrument Detection Limits

Job Number: FA51672
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: AGICPMS1	Effective Date: 05/21/16
--------------------------------	---------------------------------

Analyte	IDL ug/l
Aluminum	4.35
Antimony	.1
Arsenic	.1
Arsenic	.1
Barium	.1
Beryllium	.1
Boron	.5
Cadmium	.1
Cadmium	.1
Calcium	7.2
Calcium	7.2
Chromium	.1
Chromium	.1
Cobalt	.1
Cobalt	.1
Copper	.1
Copper	.1
Iron	7.9
Iron	7.9
Lead	.1
Magnesium	5.2
Manganese	.1
Manganese	.1
Molybdenum	.1
Nickel	.1
Nickel	.1
Potassium	6.57
Selenium	.11
Selenium	.11
Silver	.1
Sodium	4.8
Strontium	.1
Thallium	.1
Tin	.1
Tin	.1
Titanium	.303
Vanadium	.1
Vanadium	.1
Zinc	.29
Zinc	.29

The above applies to the following instrument runs:
MA14702

6.7
6

Instrument Detection Limits

Job Number: FA51672
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1	Effective Date: 01/27/15
--------------------------------	---------------------------------

Analyte	IDL ug/l
Aluminum	14
Antimony	1
Arsenic	1.3
Barium	1
Beryllium	.2
Cadmium	.2
Calcium	50
Chromium	1
Cobalt	.2
Copper	1
Iron	17
Lead	1
Magnesium	35
Manganese	.5
Molybdenum	.3
Nickel	.4
Potassium	200
Selenium	2.4
Silicon	5
Silver	.7
Sodium	500
Strontium	.5
Sulfur	5
Thallium	1.1
Tin	.9
Titanium	.5
Vanadium	.5
Zinc	3

The above applies to the following instrument runs:
MA14718,MA14720

6.7
6

Instrument Linear Ranges

Job Number: FA51672
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: AGICPMS1	Effective Date: 05/21/16
--------------------------------	---------------------------------

Analyte	Linear Range ug/l
Aluminum	100000
Antimony	1000
Arsenic	1000
Arsenic	1000
Barium	1000
Beryllium	1000
Cadmium	1000
Cadmium	1000
Calcium	100000
Calcium	100000
Chromium	1000
Chromium	1000
Cobalt	1000
Cobalt	1000
Copper	1000
Copper	1000
Iron	100000
Iron	100000
Lead	1000
Magnesium	100000
Manganese	1000
Manganese	1000
Molybdenum	1000
Nickel	1000
Nickel	1000
Potassium	100000
Selenium	1000
Selenium	1000
Silver	100
Sodium	100000
Strontium	1000
Thallium	1000
Tin	1000
Tin	1000
Titanium	1000
Vanadium	1000
Vanadium	1000
Zinc	1000
Zinc	1000

The above applies to the following instrument runs:
MA14702

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6

Instrument Linear Ranges

Job Number: FA51672
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE1	Effective Date: 08/13/13
--------------------------------	---------------------------------

Analyte	Linear Range ug/l
Aluminum	500000
Antimony	10000
Arsenic	10000
Barium	10000
Beryllium	10000
Cadmium	10000
Calcium	500000
Chromium	10000
Cobalt	10000
Copper	10000
Iron	500000
Lead	10000
Magnesium	500000
Manganese	10000
Molybdenum	10000
Nickel	10000
Potassium	80000
Selenium	10000
Silver	1000
Sodium	80000
Strontium	10000
Sulfur	10000
Thallium	10000
Tin	10000
Titanium	10000
Vanadium	10000
Zinc	10000

The above applies to the following instrument runs:
MA14718,MA14720

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6

Metals Analysis

Raw Data

Quantitation Report

File Name 001CALB.d
File Path C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 8:37
Sample Name Blank
Sample Type CalBlk
Comment
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1 **Tune File**
 1

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.000	ug/l	-10337.57	1,492.06	6.391E-03	Pulse	0.50	3
As			1	-0.013	ug/l	-28.29	21.67	9.285E-05	Pulse	1.00	3
Mo			1	0.023	ug/l	94.95	248.05	1.308E-04	Pulse	0.50	3
Pb			1	0.012	ug/l	61.64	1,611.75	3.128E-04	Pulse	1.00	3
Be			1	-0.035	ug/l	-67.61	1.33	7.076E-07	Pulse	2.00	3
Ag			1	0.000	ug/l	131.59	41.33	2.186E-05	Pulse	0.50	3
Ba			1	0.014	ug/l	101.44	68.67	4.420E-03	Pulse	0.50	3
Tl			1	0.007	ug/l	24.36	587.35	1.140E-04	Pulse	0.50	3
Sn			1	0.017	ug/l	17.47	537.79	2.847E-04	Pulse	0.30	3
Sr			1	0.004	ug/l	182.24	716.68	3.793E-04	Pulse	0.50	3
[Pb]			1	0.011	ug/l	73.31	734.69	1.426E-04	Pulse	0.50	3
Ca			1	-0.226	ug/l	-520.23	287.33	1.232E-03	Pulse	0.50	3
Ti			1	0.049	ug/l	90.62	18.67	7.971E-05	Pulse	0.50	3
Na			1	-0.476	ug/l	-33.70	17,773.88	7.617E-02	Pulse	1.00	3
Mg			1	0.022	ug/l	260.46	161.00	6.890E-04	Pulse	1.00	3
K			1	-1.247	ug/l	-17.64	25,590.52	1.097E-01	Pulse	1.00	3
V			1	0.005	ug/l	23.36	458.01	1.963E-03	Pulse	0.50	3
Mn			1	0.003	ug/l	153.83	102.00	4.372E-04	Pulse	0.50	3
Fe			1	1.560	ug/l	32.24	20,021.52	8.561E-02	Pulse	0.50	3
Co			1	-0.001	ug/l	-136.26	60.00	2.570E-04	Pulse	0.50	3
Ni			1	0.003	ug/l	71.11	148.00	6.338E-04	Pulse	0.50	3
Cu			1	0.695	ug/l	69.88	26,842.16	1.147E-01	Pulse	0.50	3
Zn			1	1.604	ug/l	86.25	7,546.67	3.223E-02	Pulse	1.00	3
Cd			1	0.022	ug/l	164.47	86.03	4.522E-05	Pulse	0.50	3
Al			1	5.833	ug/l	15.13	1,599.73	8.467E-04	Pulse	1.00	3
Se			1	-0.095	ug/l	-81.11	31.33	1.342E-04	Pulse	3.00	3
Sb			1	-0.006	ug/l	-34.86	246.33	1.304E-04	Pulse	1.00	3
Se			1	-0.752	ug/l	-13.27	29.89	1.954E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		5,154,194.33	0.79	100.0	Pulse	0.50	3
1	Sc		233,360.97	1.30	100.0	Pulse	0.30	3

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Quantitation Report

1	Ge	189,718.89	0.59	100.0	Pulse	0.30	3
1	In	1,888,551.38	0.92	100.0	Pulse	0.30	3
1	Tb	7,096,491.83	0.31	100.0	Analog	0.50	3
1	Lu	4,281,754.50	1.10	100.0	Pulse	0.50	3
1	Ge	287,743.55	0.87	100.0	Pulse	0.30	3
1	Te	15,339.14	2.93	100.0	Pulse	0.50	3
1	Li	778.91	5.50	100.0	Pulse	0.30	3

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7

Quantitation Report

File Name 002CALB.d
File Path C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 8:42
Sample Name Blank
Sample Type CalBlk
Comment
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1 **Tune File**
 1

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.001	ug/l	487.73	1,521.40	6.453E-03	Pulse	0.50	3
As			1	-0.010	ug/l	-40.56	26.00	1.103E-04	Pulse	1.00	3
Mo			1	-0.001	ug/l	-196.37	32.67	1.726E-05	Pulse	0.50	3
Pb			1	0.000	ug/l	235.93	1,050.70	2.021E-04	Pulse	1.00	3
Be			1	-0.053	ug/l	-20.26	0.33	1.771E-07	Pulse	2.00	3
Ag			1	0.000	ug/l	-156.32	30.67	1.622E-05	Pulse	0.50	3
Ba			1	0.000	ug/l	913.55	17.33	1.138E-03	Pulse	0.50	3
Tl			1	0.001	ug/l	78.64	162.00	3.121E-05	Pulse	0.50	3
Sn			1	-0.007	ug/l	-74.15	367.78	1.947E-04	Pulse	0.30	3
Sr			1	-0.005	ug/l	-83.03	650.01	3.440E-04	Pulse	0.50	3
[Pb]			1	0.000	ug/l	556.71	500.01	9.620E-05	Pulse	0.50	3
Ca			1	-1.301	ug/l	-31.93	259.33	1.100E-03	Pulse	0.50	3
Ti			1	-0.003	ug/l	-1128.73	5.33	2.261E-05	Pulse	0.50	3
Na			1	-0.041	ug/l	-375.60	18,547.58	7.868E-02	Pulse	1.00	3
Mg			1	-0.047	ug/l	-84.70	121.67	5.162E-04	Pulse	1.00	3
K			1	-0.984	ug/l	-75.86	26,001.05	1.103E-01	Pulse	1.00	3
V			1	0.005	ug/l	143.33	465.34	1.975E-03	Pulse	0.50	3
Mn			1	-0.002	ug/l	-160.92	72.67	3.085E-04	Pulse	0.50	3
Fe			1	0.011	ug/l	152.80	4,361.17	1.850E-02	Pulse	0.50	3
Co			1	-0.001	ug/l	-259.10	64.00	2.718E-04	Pulse	0.50	3
Ni			1	-0.002	ug/l	-100.84	120.00	5.092E-04	Pulse	0.50	3
Cu			1	0.046	ug/l	206.74	15,447.61	6.553E-02	Pulse	0.50	3
Zn			1	0.039	ug/l	1033.89	4,074.12	1.728E-02	Pulse	1.00	3
Cd			1	0.000	ug/l	342.78	1.33	7.098E-07	Pulse	0.50	3
Al			1	0.411	ug/l	80.50	617.68	3.267E-04	Pulse	1.00	3
Se			1	-0.112	ug/l	-9.98	30.22	1.282E-04	Pulse	3.00	3
Sb			1	-0.001	ug/l	-1111.94	296.34	1.570E-04	Pulse	1.00	3
Se			1	-0.558	ug/l	-10.77	38.34	2.511E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		5,196,771.17	1.22	100.0	Pulse	0.50	3
1	Sc		235,737.85	0.39	100.0	Pulse	0.30	3

Quantitation Report

1	Ge	205,130.77	9.55	100.0	Pulse	0.30	3
1	In	1,889,541.11	0.86	100.0	Pulse	0.30	3
1	Tb	7,160,174.50	1.47	100.0	Analog	0.50	3
1	Lu	4,325,439.17	0.97	100.0	Pulse	0.50	3
1	Ge	309,974.69	9.90	100.0	Pulse	0.30	3
1	Te	15,266.38	0.80	100.0	Pulse	0.50	3
1	Li	775.58	2.76	100.0	Pulse	0.30	3

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Quantitation Report

File Name 003CALB.d
File Path C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 8:46
Sample Name CALSTD-1
Sample Type CalBlk
Comment
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1 **Tune File**
 1

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.000	ug/l	---	1,498.06	6.395E-03	Pulse	0.50	3
As			1	0.000	ug/l	---	41.67	1.760E-04	Pulse	1.00	3
Mo			1	0.000	ug/l	---	38.00	2.015E-05	Pulse	0.50	3
Pb			1	0.000	ug/l	---	1,031.03	1.997E-04	Pulse	1.00	3
Be			1	0.000	ug/l	---	3.17	1.692E-06	Pulse	2.00	3
Ag			1	0.000	ug/l	---	35.33	1.875E-05	Pulse	0.50	3
Ba			1	0.000	ug/l	---	16.00	1.050E-03	Pulse	0.50	3
Tl			1	0.000	ug/l	---	112.00	2.164E-05	Pulse	0.50	3
Sn			1	0.000	ug/l	---	418.90	2.223E-04	Pulse	0.30	3
Sr			1	0.000	ug/l	---	684.68	3.635E-04	Pulse	0.50	3
[Pb]			1	0.000	ug/l	---	492.01	9.534E-05	Pulse	0.50	3
Ca			1	0.000	ug/l	---	295.34	1.260E-03	Pulse	0.50	3
Ti			1	0.000	ug/l	---	6.00	2.545E-05	Pulse	0.50	3
Na			1	0.000	ug/l	---	18,484.85	7.892E-02	Pulse	1.00	3
Mg			1	0.000	ug/l	---	149.00	6.340E-04	Pulse	1.00	3
K			1	0.000	ug/l	---	26,386.57	1.127E-01	Pulse	1.00	3
V			1	0.000	ug/l	---	410.01	1.749E-03	Pulse	0.50	3
Mn			1	0.000	ug/l	---	86.00	3.675E-04	Pulse	0.50	3
Fe			1	0.000	ug/l	---	4,215.80	1.800E-02	Pulse	0.50	3
Co			1	0.000	ug/l	---	76.67	3.274E-04	Pulse	0.50	3
Ni			1	0.000	ug/l	---	130.67	5.578E-04	Pulse	0.50	3
Cu			1	0.000	ug/l	---	14,533.59	6.204E-02	Pulse	0.50	3
Zn			1	0.000	ug/l	---	3,961.10	1.692E-02	Pulse	1.00	3
Cd			1	0.000	ug/l	---	0.67	3.511E-07	Pulse	0.50	3
Al			1	0.000	ug/l	---	541.68	2.873E-04	Pulse	1.00	3
Se			1	0.000	ug/l	---	39.22	1.675E-04	Pulse	3.00	3
Sb			1	0.000	ug/l	---	304.67	1.619E-04	Pulse	1.00	3
Se			1	0.000	ug/l	---	62.11	4.119E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		5,163,828.17	1.48	100.0	Pulse	0.50	3
1	Sc		234,270.06	1.74	100.0	Pulse	0.30	3

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Quantitation Report

1	Ge	201,442.32	7.47	100.0	Pulse	0.30	3
1	In	1,884,559.02	0.82	100.0	Pulse	0.30	3
1	Tb	7,130,601.50	0.88	100.0	Analog	0.50	3
1	Lu	4,269,707.33	0.72	100.0	Pulse	0.50	3
1	Ge	304,268.10	6.98	100.0	Pulse	0.30	3
1	Te	15,088.92	2.18	100.0	Pulse	0.50	3
1	Li	747.80	8.72	100.0	Pulse	0.30	3

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7

Quantitation Report

File Name 004CAL5.d
File Path C:\Agilent\ICPMH\1\DATA\14702218m1.b
Method File
Method Path
Acq Time 2/22/2018 8:51
Sample Name CALSTD-2
Sample Type CalStd
Comment Mtls-1,Mrnls-100ug/L
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	1.012	ug/l	0.87	14,938.41	6.346E-02	Pulse	0.50	3
As			1	0.969	ug/l	6.66	1,554.73	6.608E-03	Pulse	1.00	3
Mo			1	0.953	ug/l	0.34	8,825.44	4.701E-03	Pulse	0.50	3
Pb			1	0.975	ug/l	1.25	47,676.55	9.193E-03	Pulse	1.00	3
Be			1	0.992	ug/l	21.70	55.83	2.979E-05	Pulse	2.00	3
Ag			1	0.994	ug/l	1.28	30,537.12	1.627E-02	Pulse	0.50	3
Ba			1	0.932	ug/l	3.45	3,329.66	2.191E-01	Pulse	0.50	3
Tl			1	0.918	ug/l	2.62	65,258.67	1.259E-02	Pulse	0.50	3
Sn			1	0.964	ug/l	7.02	7,262.60	3.870E-03	Pulse	0.30	3
Sr			1	0.951	ug/l	1.81	7,792.31	4.151E-03	Pulse	0.50	3
[Pb]			1	1.001	ug/l	2.55	22,758.55	4.389E-03	Pulse	0.50	3
Ca			1	96.063	ug/l	2.51	3,082.92	1.310E-02	Pulse	0.50	3
Ti			1	0.994	ug/l	12.78	266.00	1.129E-03	Pulse	0.50	3
Na			1	100.175	ug/l	2.18	154,738.40	6.575E-01	Pulse	1.00	3
Mg			1	100.402	ug/l	1.32	59,138.81	2.513E-01	Pulse	1.00	3
K			1	99.053	ug/l	2.82	82,532.75	3.507E-01	Pulse	1.00	3
V			1	0.979	ug/l	0.19	10,141.99	4.308E-02	Pulse	0.50	3
Mn			1	1.049	ug/l	6.43	6,066.30	2.579E-02	Pulse	0.50	3
Fe			1	120.108	ug/l	2.58	1,228,823.96	5.222E+00	Pulse	0.50	3
Co			1	1.020	ug/l	1.87	23,373.47	9.931E-02	Pulse	0.50	3
Ni			1	1.051	ug/l	4.48	6,791.21	2.885E-02	Pulse	0.50	3
Cu			1	0.935	ug/l	2.19	31,296.70	1.329E-01	Pulse	0.50	3
Zn			1	3.836	ug/l	2.55	12,601.79	5.353E-02	Pulse	1.00	3
Cd			1	0.991	ug/l	2.45	3,856.42	2.054E-03	Pulse	0.50	3
Al			1	94.324	ug/l	2.29	17,519.67	9.334E-03	Pulse	1.00	3
Se			1	0.947	ug/l	5.87	117.56	4.991E-04	Pulse	3.00	3
Sb			1	0.960	ug/l	3.06	10,034.75	5.347E-03	Pulse	1.00	3
Se			1	0.520	ug/l	64.79	85.33	5.616E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		5,186,571.17	1.39	100.4	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Sc		235,416.02	2.08	100.5	Pulse	0.30	3
1	Ge		202,790.58	9.09	100.7	Pulse	0.30	3
1	In		1,877,185.83	1.20	99.6	Pulse	0.30	3
1	Tb		7,178,058.00	1.30	100.7	Analog	0.50	3
1	Lu		4,302,591.67	2.17	100.8	Pulse	0.50	3
1	Ge		305,283.94	7.89	100.3	Pulse	0.30	3
1	Te		15,197.67	1.00	100.7	Pulse	0.50	3
1	Li		697.79	8.68	93.3	Pulse	0.30	3

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Quantitation Report

File Name 005CAL.S.d
File Path C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 8:56
Sample Name CALSTD-3
Sample Type CalStd
Comment MtlS-10,MrnlS-1000ug/L
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	10.227	ug/l	1.55	138,440.46	5.832E-01	Pulse	0.50	3
As			1	10.096	ug/l	1.57	15,957.99	6.722E-02	Pulse	1.00	3
Mo			1	9.813	ug/l	1.53	89,930.83	4.822E-02	Pulse	0.50	3
Pb			1	9.859	ug/l	1.38	469,996.91	9.111E-02	Pulse	1.00	3
Be			1	9.983	ug/l	2.13	530.34	2.844E-04	Pulse	2.00	3
Ag			1	10.385	ug/l	1.82	316,797.77	1.699E-01	Pulse	0.50	3
Ba			1	9.579	ug/l	2.45	33,911.07	2.242E+00	Pulse	0.50	3
Tl			1	9.713	ug/l	1.47	685,817.21	1.329E-01	Pulse	0.50	3
Sn			1	10.316	ug/l	2.81	73,181.04	3.924E-02	Pulse	0.30	3
Sr			1	10.131	ug/l	1.91	75,936.49	4.072E-02	Pulse	0.50	3
[Pb]			1	10.051	ug/l	2.11	222,861.00	4.320E-02	Pulse	0.50	3
Ca			1	1015.538	ug/l	1.41	30,002.25	1.264E-01	Pulse	0.50	3
Ti			1	10.712	ug/l	5.10	2,828.88	1.192E-02	Pulse	0.50	3
Na			1	1011.677	ug/l	1.40	1,405,736.87	5.922E+00	Pulse	1.00	3
Mg			1	1022.870	ug/l	0.77	606,285.04	2.554E+00	Pulse	1.00	3
K			1	1007.505	ug/l	1.03	601,455.06	2.534E+00	Pulse	1.00	3
V			1	10.051	ug/l	0.86	101,168.34	4.262E-01	Pulse	0.50	3
Mn			1	10.261	ug/l	2.15	59,120.10	2.491E-01	Pulse	0.50	3
Fe			1	1018.759	ug/l	0.87	10,482,373.67	4.415E+01	Analog	0.50	3
Co			1	10.389	ug/l	1.32	239,489.21	1.009E+00	Pulse	0.50	3
Ni			1	10.514	ug/l	2.22	67,346.87	2.837E-01	Pulse	0.50	3
Cu			1	10.482	ug/l	2.54	203,264.41	8.563E-01	Pulse	0.50	3
Zn			1	10.108	ug/l	1.97	26,917.06	1.134E-01	Pulse	1.00	3
Cd			1	10.183	ug/l	2.00	39,344.37	2.110E-02	Pulse	0.50	3
Al			1	1013.903	ug/l	1.22	181,906.37	9.754E-02	Pulse	1.00	3
Se			1	10.088	ug/l	3.56	878.13	3.700E-03	Pulse	3.00	3
Sb			1	9.973	ug/l	1.03	100,799.44	5.405E-02	Pulse	1.00	3
Se			1	9.280	ug/l	2.23	466.79	3.085E-02	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		5,159,343.50	1.33	99.9	Pulse	0.50	3
1	Sc		237,411.24	1.35	101.3	Pulse	0.30	3
1	Ge		202,575.48	10.46	100.6	Pulse	0.30	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	In		1,865,208.95	1.19	99.0	Pulse	0.30	3
1	Tb		7,157,513.33	0.91	100.4	Analog	0.50	3
1	Lu		4,317,673.50	2.74	101.1	Pulse	0.50	3
1	Ge		304,531.52	10.05	100.1	Pulse	0.30	3
1	Te		15,129.61	0.85	100.3	Pulse	0.50	3
1	Li		672.24	8.76	89.9	Pulse	0.30	3

Quantitation Report

File Name 006CAL.S.d
File Path C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 9:00
Sample Name CALSTD-4
Sample Type CalStd
Comment MtlS-50,MrnlS-5000ug/L
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	48.819	ug/l	2.10	634,685.36	2.760E+00	Pulse	0.50	3
As			1	49.102	ug/l	1.29	75,036.76	3.263E-01	Pulse	1.00	3
Mo			1	46.972	ug/l	0.40	424,698.24	2.307E-01	Pulse	0.50	3
Pb			1	47.138	ug/l	2.27	2,199,182.92	4.349E-01	Pulse	1.00	3
Be			1	47.319	ug/l	1.17	2,469.15	1.341E-03	Pulse	2.00	3
Ag			1	48.982	ug/l	0.86	1,474,584.58	8.011E-01	Pulse	0.50	3
Ba			1	47.322	ug/l	2.34	161,734.40	1.107E+01	Pulse	0.50	3
Tl			1	46.365	ug/l	1.38	3,209,797.17	6.345E-01	Pulse	0.50	3
Sn			1	48.359	ug/l	1.20	337,081.02	1.831E-01	Pulse	0.30	3
Sr			1	47.413	ug/l	1.89	348,287.36	1.892E-01	Pulse	0.50	3
[Pb]			1	48.240	ug/l	1.36	1,047,152.27	2.070E-01	Pulse	0.50	3
Ca			1	4910.970	ug/l	1.35	139,452.65	6.063E-01	Pulse	0.50	3
Ti			1	49.143	ug/l	2.04	12,550.72	5.457E-02	Pulse	0.50	3
Na			1	4911.124	ug/l	1.37	6,541,499.83	2.844E+01	Analog	1.00	3
Mg			1	4914.861	ug/l	2.07	2,821,612.92	1.227E+01	Pulse	1.00	3
K			1	4879.851	ug/l	1.84	2,722,605.08	1.184E+01	Pulse	1.00	3
V			1	49.296	ug/l	2.06	479,107.70	2.083E+00	Pulse	0.50	3
Mn			1	49.721	ug/l	1.95	277,241.27	1.205E+00	Pulse	0.50	3
Fe			1	4944.873	ug/l	1.88	49,274,861.33	2.142E+02	Analog	0.50	3
Co			1	49.754	ug/l	0.83	1,110,884.21	4.830E+00	Pulse	0.50	3
Ni			1	50.778	ug/l	1.79	314,638.59	1.368E+00	Pulse	0.50	3
Cu			1	50.501	ug/l	1.48	894,398.85	3.889E+00	Pulse	0.50	3
Zn			1	49.717	ug/l	1.70	113,019.38	4.914E-01	Pulse	1.00	3
Cd			1	48.276	ug/l	2.18	184,071.40	1.000E-01	Pulse	0.50	3
Al			1	4672.749	ug/l	1.19	825,456.40	4.485E-01	Pulse	1.00	3
Se			1	49.745	ug/l	2.17	4,044.32	1.759E-02	Pulse	3.00	3
Sb			1	47.779	ug/l	1.23	475,422.42	2.583E-01	Pulse	1.00	3
Se			1	47.110	ug/l	4.80	2,042.11	1.398E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		5,058,727.33	2.25	98.0	Pulse	0.50	3
1	Sc		230,007.70	0.99	98.2	Pulse	0.30	3
1	Ge		203,129.38	9.21	100.8	Pulse	0.30	3

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Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	In		1,840,641.87	0.31	97.7	Pulse	0.30	3
1	Tb		7,113,876.83	1.50	99.8	Analog	0.50	3
1	Lu		4,188,911.17	1.55	98.1	Pulse	0.50	3
1	Ge		304,614.00	9.74	100.1	Pulse	0.30	3
1	Te		14,617.88	3.31	96.9	Pulse	0.50	3
1	Li		736.69	3.95	98.5	Pulse	0.30	3

Quantitation Report

File Name 007CAL5.d
File Path C:\Agilent\ICPMH\1\DATA\022218m1.b
Method File
Method Path
Acq Time 2/22/2018 9:05
Sample Name CALSTD-5
Sample Type CalStd
Comment Mtls-100,Mrnls-10000ug/L
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	99.118	ug/l	1.12	1,316,076.25	5.597E+00	Pulse	0.50	3
As			1	99.869	ug/l	0.95	156,001.18	6.634E-01	Pulse	1.00	3
Mo			1	97.649	ug/l	1.52	879,485.65	4.797E-01	Pulse	0.50	3
Pb			1	95.593	ug/l	0.80	4,482,684.50	8.816E-01	Pulse	1.00	3
Be			1	98.752	ug/l	1.23	5,130.32	2.798E-03	Pulse	2.00	3
Ag			1	100.471	ug/l	1.32	3,013,121.83	1.643E+00	Pulse	0.50	3
Ba			1	96.905	ug/l	1.84	331,130.32	2.267E+01	Pulse	0.50	3
Tl			1	96.040	ug/l	1.72	6,682,302.17	1.314E+00	Mix	0.50	3
Sn			1	99.741	ug/l	2.41	692,165.16	3.775E-01	Pulse	0.30	3
Sr			1	99.493	ug/l	1.21	727,359.79	3.967E-01	Pulse	0.50	3
[Pb]			1	98.072	ug/l	1.26	2,139,056.50	4.207E-01	Pulse	0.50	3
Ca			1	9899.988	ug/l	0.40	287,137.48	1.221E+00	Pulse	0.50	3
Ti			1	100.992	ug/l	1.07	26,367.07	1.121E-01	Pulse	0.50	3
Na			1	9923.920	ug/l	0.44	13,496,826.00	5.739E+01	Analog	1.00	3
Mg			1	9923.789	ug/l	1.47	5,825,099.00	2.477E+01	Analog	1.00	3
K			1	9879.626	ug/l	0.78	5,608,941.33	2.385E+01	Analog	1.00	3
V			1	98.960	ug/l	0.77	983,028.79	4.180E+00	Pulse	0.50	3
Mn			1	100.226	ug/l	0.20	571,349.52	2.430E+00	Pulse	0.50	3
Fe			1	10042.400	ug/l	0.11	102,316,288.00	4.351E+02	Analog	0.50	3
Co			1	100.911	ug/l	1.09	2,303,473.17	9.796E+00	Pulse	0.50	3
Ni			1	100.375	ug/l	0.49	635,823.10	2.704E+00	Pulse	0.50	3
Cu			1	101.228	ug/l	0.82	1,818,464.91	7.733E+00	Pulse	0.50	3
Zn			1	100.683	ug/l	0.71	229,943.67	9.778E-01	Pulse	1.00	3
Cd			1	98.877	ug/l	0.48	375,609.35	2.048E-01	Pulse	0.50	3
Al			1	9801.013	ug/l	0.97	1,724,263.59	9.403E-01	Pulse	1.00	3
Se			1	101.545	ug/l	0.63	8,400.96	3.572E-02	Pulse	3.00	3
Sb			1	98.511	ug/l	1.13	976,216.83	5.324E-01	Pulse	1.00	3
Se			1	98.353	ug/l	1.80	4,199.13	2.874E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		5,084,691.17	0.94	98.5	Pulse	0.50	3
1	Sc		235,159.11	0.60	100.4	Pulse	0.30	3
1	Ge		207,023.16	13.49	102.8	Pulse	0.30	3
1	In		1,833,744.02	0.84	97.3	Pulse	0.30	3
1	Tb		7,103,026.83	1.02	99.6	Analog	0.50	3
1	Lu		4,277,313.17	1.75	100.2	Pulse	0.50	3

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Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Ge		312,917.42	13.09	102.8	Pulse	0.30	3
1	Te		14,609.86	0.50	96.8	Pulse	0.50	3
1	Li		733.35	14.63	98.1	Pulse	0.30	3

7.1
7

Quantitation Report

File Name 008CAL5.d
File Path C:\Agilent\ICPMH\1\DATA\wa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 9:10
Sample Name CALSTD-6
Sample Type CalStd
Comment
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step **Tune File**
 1

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	200.725	ug/l	0.25	2,701,046.75	1.133E+01	Pulse	0.50	3
As			1	200.286	ug/l	1.07	317,187.18	1.330E+00	Pulse	1.00	3
Mo			1	201.942	ug/l	0.17	1,803,445.54	9.919E-01	Pulse	0.50	3
Pb			1	202.926	ug/l	1.57	9,041,491.67	1.871E+00	Analog	1.00	3
Be			1	201.295	ug/l	1.33	10,364.47	5.701E-03	Pulse	2.00	3
Ag			1	170.361	ug/l	2.24	5,065,017.50	2.786E+00	Pulse	0.50	3
Ba			1	202.238	ug/l	0.56	675,553.90	4.730E+01	Pulse	0.50	3
Tl			1	202.903	ug/l	3.55	13,413,952.00	2.777E+00	Analog	0.50	3
Sn			1	200.524	ug/l	0.43	1,379,352.17	7.587E-01	Pulse	0.30	3
Sr			1	200.894	ug/l	1.79	1,455,368.92	8.006E-01	Pulse	0.50	3
[Pb]			1	201.402	ug/l	1.29	4,173,963.25	8.639E-01	Pulse	0.50	3
Ca			1	20071.506	ug/l	1.47	589,954.04	2.474E+00	Pulse	0.50	3
Ti			1	199.683	ug/l	0.76	52,856.41	2.217E-01	Pulse	0.50	3
Na			1	20059.674	ug/l	1.42	27,642,012.67	1.159E+02	Analog	1.00	3
Mg			1	20058.245	ug/l	1.04	11,938,589.33	5.007E+01	Analog	1.00	3
K			1	20089.854	ug/l	1.55	11,536,839.67	4.839E+01	Analog	1.00	3
V			1	200.694	ug/l	0.54	2,021,104.16	8.476E+00	Pulse	0.50	3
Mn			1	199.943	ug/l	1.63	1,155,556.12	4.847E+00	Pulse	0.50	3
Fe			1	19991.543	ug/l	0.83	206,522,693.33	8.661E+02	Analog	0.50	3
Co			1	199.586	ug/l	1.92	4,619,438.00	1.937E+01	Pulse	0.50	3
Ni			1	199.592	ug/l	0.71	1,281,853.71	5.376E+00	Pulse	0.50	3
Cu			1	199.237	ug/l	1.59	3,614,740.08	1.516E+01	Pulse	0.50	3
Zn			1	199.709	ug/l	1.48	458,496.16	1.923E+00	Pulse	1.00	3
Cd			1	200.983	ug/l	1.24	756,916.69	4.164E-01	Pulse	0.50	3
Al			1	20180.639	ug/l	1.61	3,519,231.33	1.936E+00	Pulse	1.00	3
Se			1	199.287	ug/l	1.57	16,677.92	6.995E-02	Pulse	3.00	3
Sb			1	201.301	ug/l	1.76	1,977,364.00	1.088E+00	Pulse	1.00	3
Se			1	201.585	ug/l	1.42	8,351.72	5.848E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,832,046.83	1.02	93.6	Pulse	0.50	3
1	Sc		238,454.99	0.98	101.8	Pulse	0.30	3
1	Ge		207,877.04	13.98	103.2	Pulse	0.30	3
1	In		1,818,110.20	1.20	96.5	Pulse	0.30	3
1	Tb		7,076,778.33	0.89	99.2	Analog	0.50	3
1	Lu		4,273,205.33	2.24	100.1	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Ge		314,632.04	13.60	103.4	Pulse	0.30	3
1	Te		14,281.60	0.50	94.6	Pulse	0.50	3
1	Li		705.57	16.09	94.4	Pulse	0.30	3

Quantitation Report

File Name 009HSAG.d
File Path C:\Agilent\ICPMH\1\DATA\sa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 9:14
Sample Name HSTD (Ag)
Sample Type HSTD _Ag
Comment =std 5
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	99.002	ug/l	1.28	1,345,118.83	5.590E+00	Pulse	0.50	3
As			1	98.555	ug/l	2.19	157,510.61	6.547E-01	Pulse	1.00	3
Mo			1	98.371	ug/l	1.31	890,409.11	4.832E-01	Pulse	0.50	3
Pb			1	96.078	ug/l	1.54	4,419,911.50	8.861E-01	Pulse	1.00	3
Be			1	98.986	ug/l	2.25	5,167.16	2.804E-03	Pulse	2.00	3
Ag			1	99.788	ug/l	1.78	3,007,338.00	1.632E+00	Pulse	0.50	3
Ba			1	95.202	ug/l	2.22	329,238.08	2.227E+01	Pulse	0.50	3
Tl			1	95.730	ug/l	1.33	6,534,751.17	1.310E+00	Mix	0.50	3
Sn			1	99.499	ug/l	1.72	693,879.56	3.766E-01	Pulse	0.30	3
Sr			1	98.611	ug/l	1.89	724,449.71	3.932E-01	Pulse	0.50	3
[Pb]			1	98.402	ug/l	1.65	2,105,780.50	4.221E-01	Pulse	0.50	3
Ca			1	9940.164	ug/l	1.96	294,976.78	1.226E+00	Pulse	0.50	3
Ti			1	97.313	ug/l	1.34	25,997.26	1.080E-01	Pulse	0.50	3
Na			1	9912.321	ug/l	1.97	13,792,621.00	5.733E+01	Analog	1.00	3
Mg			1	9889.535	ug/l	2.33	5,939,280.67	2.469E+01	Analog	1.00	3
K			1	9916.833	ug/l	1.98	5,760,307.67	2.394E+01	Analog	1.00	3
V			1	98.336	ug/l	2.38	999,384.54	4.154E+00	Pulse	0.50	3
Mn			1	99.047	ug/l	2.50	577,644.40	2.401E+00	Pulse	0.50	3
Fe			1	9907.512	ug/l	1.91	103,282,629.33	4.293E+02	Analog	0.50	3
Co			1	99.498	ug/l	3.13	2,323,478.75	9.659E+00	Pulse	0.50	3
Ni			1	99.019	ug/l	1.88	641,752.46	2.667E+00	Pulse	0.50	3
Cu			1	99.019	ug/l	1.98	1,820,289.00	7.566E+00	Pulse	0.50	3
Zn			1	99.496	ug/l	1.63	232,552.76	9.665E-01	Pulse	1.00	3
Cd			1	99.023	ug/l	1.54	377,997.85	2.051E-01	Pulse	0.50	3
Al			1	9839.630	ug/l	1.52	1,739,570.37	9.441E-01	Pulse	1.00	3
Se			1	99.033	ug/l	2.37	8,383.17	3.484E-02	Pulse	3.00	3
Sb			1	97.991	ug/l	2.03	975,784.71	5.296E-01	Pulse	1.00	3
Se			1	97.185	ug/l	2.23	4,200.13	2.841E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,988,370.17	0.84	96.6	Pulse	0.50	3
1	Sc		240,660.37	2.00	102.7	Pulse	0.30	3
1	Ge		214,541.79	16.66	106.5	Pulse	0.30	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	In		1,842,985.55	1.77	97.8	Pulse	0.30	3
1	Tb		7,162,181.67	1.05	100.4	Analog	0.50	3
1	Lu		4,258,506.33	0.23	99.7	Pulse	0.50	3
1	Ge		325,432.58	17.98	107.0	Pulse	0.30	3
1	Te		14,789.34	1.99	98.0	Pulse	0.50	3
1	Li		745.57	4.92	99.7	Pulse	0.30	3

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Quantitation Report

File Name 010HSTD.d
File Path C:\Agilent\ICPMH\1\DATA\wa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 9:19
Sample Name HSTD
Sample Type HSTD
Comment =std 6
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step **Tune File**
 1

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	200.090	ug/l	0.56	2,685,757.25	1.129E+01	Pulse	0.50	3
As			1	201.268	ug/l	0.96	317,958.12	1.337E+00	Pulse	1.00	3
Mo			1	198.266	ug/l	1.44	1,797,240.75	9.739E-01	Pulse	0.50	3
Pb			1	199.646	ug/l	1.14	8,854,965.00	1.841E+00	Analog	1.00	3
Be			1	200.242	ug/l	1.43	10,466.02	5.671E-03	Pulse	2.00	3
Ag			1	163.166	ug/l	2.50	4,925,523.67	2.669E+00	Pulse	0.50	3
Ba			1	198.513	ug/l	1.94	664,829.81	4.643E+01	Pulse	0.50	3
Tl			1	200.197	ug/l	1.61	13,176,691.33	2.740E+00	Analog	0.50	3
Sn			1	196.179	ug/l	1.22	1,369,791.99	7.423E-01	Pulse	0.30	3
Sr			1	198.172	ug/l	0.30	1,457,458.58	7.898E-01	Pulse	0.50	3
[Pb]			1	200.745	ug/l	1.37	4,141,534.50	8.611E-01	Pulse	0.50	3
Ca			1	20042.481	ug/l	0.22	587,692.98	2.471E+00	Pulse	0.50	3
Ti			1	202.190	ug/l	1.04	53,391.22	2.245E-01	Pulse	0.50	3
Na			1	20327.524	ug/l	0.86	27,942,746.00	1.175E+02	Analog	1.00	3
Mg			1	20067.642	ug/l	0.95	11,915,126.33	5.009E+01	Analog	1.00	3
K			1	20280.507	ug/l	0.86	11,617,725.67	4.884E+01	Analog	1.00	3
V			1	199.942	ug/l	0.36	2,008,569.67	8.444E+00	Pulse	0.50	3
Mn			1	200.098	ug/l	1.02	1,153,728.25	4.850E+00	Pulse	0.50	3
Fe			1	20144.541	ug/l	0.55	207,604,736.00	8.728E+02	Analog	0.50	3
Co			1	200.736	ug/l	1.04	4,634,757.17	1.949E+01	Pulse	0.50	3
Ni			1	198.611	ug/l	0.79	1,272,488.13	5.349E+00	Pulse	0.50	3
Cu			1	199.729	ug/l	1.40	3,614,634.92	1.520E+01	Pulse	0.50	3
Zn			1	199.455	ug/l	1.22	456,789.12	1.921E+00	Pulse	1.00	3
Cd			1	194.799	ug/l	1.13	744,778.29	4.035E-01	Pulse	0.50	3
Al			1	19720.150	ug/l	0.26	3,491,161.42	1.892E+00	Pulse	1.00	3
Se			1	200.165	ug/l	0.77	16,711.74	7.026E-02	Pulse	3.00	3
Sb			1	194.763	ug/l	0.79	1,942,303.17	1.052E+00	Pulse	1.00	3
Se			1	201.149	ug/l	1.89	8,355.17	5.835E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,809,542.33	0.76	93.1	Pulse	0.50	3
1	Sc		237,865.39	1.13	101.5	Pulse	0.30	3
1	Ge		210,612.46	11.85	104.6	Pulse	0.30	3
1	In		1,845,479.65	0.81	97.9	Pulse	0.30	3
1	Tb		7,129,154.83	1.42	100.0	Analog	0.50	3
1	Lu		4,189,059.75	0.76	98.1	Pulse	0.50	3

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Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Ge		317,339.23	12.96	104.3	Pulse	0.30	3
1	Te		14,321.64	2.17	94.9	Pulse	0.50	3
1	Li		780.02	7.11	104.3	Pulse	0.30	3

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Quantitation Report

File Name 011_ICV.d
File Path C:\Agilent\ICPMH\1\DATA\wa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 9:23
Sample Name ICV
Sample Type ICV
Comment
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step **Tune File**
 1

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	98.624	ug/l	3.41	1,345,661.71	5.569E+00	Pulse	0.50	3
As			1	100.230	ug/l	2.76	160,900.23	6.658E-01	Pulse	1.00	3
Mo			1	96.909	ug/l	2.55	896,002.25	4.760E-01	Pulse	0.50	3
Pb			1	96.335	ug/l	3.60	4,469,598.17	8.885E-01	Pulse	1.00	3
Be			1	97.761	ug/l	2.78	5,213.84	2.770E-03	Pulse	2.00	3
Ag			1	49.973	ug/l	3.08	1,538,426.17	8.174E-01	Pulse	0.50	3
Ba			1	97.753	ug/l	3.34	343,011.64	2.286E+01	Pulse	0.50	3
Tl			1	94.098	ug/l	5.03	6,477,627.00	1.288E+00	Mix	0.50	3
Sn			1	109.605	ug/l	1.85	780,790.87	4.148E-01	Pulse	0.30	3
Sr			1	92.659	ug/l	3.45	695,387.98	3.695E-01	Pulse	0.50	3
[Pb]			1	98.938	ug/l	3.13	2,135,343.92	4.244E-01	Pulse	0.50	3
Ca			1	9913.848	ug/l	3.43	295,470.66	1.223E+00	Pulse	0.50	3
Ti			1	97.605	ug/l	3.90	26,184.86	1.084E-01	Pulse	0.50	3
Na			1	10151.657	ug/l	4.03	14,185,882.00	5.871E+01	Analog	1.00	3
Mg			1	10316.878	ug/l	3.58	6,223,034.17	2.575E+01	Analog	1.00	3
K			1	10042.496	ug/l	3.82	5,858,019.67	2.424E+01	Analog	1.00	3
V			1	99.220	ug/l	3.27	1,012,859.77	4.191E+00	Pulse	0.50	3
Mn			1	99.367	ug/l	3.49	582,085.58	2.409E+00	Pulse	0.50	3
Fe			1	9918.558	ug/l	3.24	103,847,514.67	4.297E+02	Analog	0.50	3
Co			1	100.382	ug/l	3.49	2,354,820.67	9.744E+00	Pulse	0.50	3
Ni			1	100.698	ug/l	3.74	655,442.08	2.713E+00	Pulse	0.50	3
Cu			1	102.101	ug/l	2.77	1,884,770.58	7.799E+00	Pulse	0.50	3
Zn			1	101.146	ug/l	3.81	237,363.92	9.823E-01	Pulse	1.00	3
Cd			1	97.651	ug/l	3.67	380,749.74	2.023E-01	Pulse	0.50	3
Al			1	9193.710	ug/l	2.28	1,660,420.79	8.821E-01	Pulse	1.00	3
Se			1	99.885	ug/l	2.82	8,492.66	3.514E-02	Pulse	3.00	3
Sb			1	97.030	ug/l	3.42	986,995.17	5.244E-01	Pulse	1.00	3
Se			1	97.884	ug/l	4.28	4,291.37	2.861E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		5,031,227.67	1.18	97.4	Pulse	0.50	3
1	Sc		241,733.29	1.67	103.2	Pulse	0.30	3
1	Ge		213,075.40	12.70	105.8	Pulse	0.30	3
1	In		1,882,550.83	1.04	99.9	Pulse	0.30	3
1	Tb		7,310,928.50	0.54	102.5	Analog	0.50	3
1	Lu		4,250,718.00	0.37	99.6	Pulse	0.50	3

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Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Ge		321,282.62	13.61	105.6	Pulse	0.30	3
1	Te		15,006.85	1.52	99.5	Pulse	0.50	3
1	Li		736.68	5.22	98.5	Pulse	0.30	3

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Quantitation Report

File Name 012_ICB.d
File Path C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 9:28
Sample Name ICB
Sample Type ICB
Comment
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1 **Tune File**
 1

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.011	ug/l	89.38	1,699.41	7.022E-03	Pulse	0.50	3
As			1	-0.003	ug/l	-86.91	37.00	1.528E-04	Pulse	1.00	3
Mo			1	0.099	ug/l	55.30	956.70	5.080E-04	Pulse	0.50	3
Pb			1	0.054	ug/l	32.86	3,607.74	6.985E-04	Pulse	1.00	3
Be			1	-0.016	ug/l	-73.28	2.33	1.244E-06	Pulse	2.00	3
Ag			1	0.025	ug/l	20.43	816.02	4.343E-04	Pulse	0.50	3
Ba			1	0.002	ug/l	46.37	24.00	1.575E-03	Pulse	0.50	3
Tl			1	0.245	ug/l	24.95	17,390.90	3.370E-03	Pulse	0.50	3
Sn			1	0.171	ug/l	64.99	1,634.86	8.677E-04	Pulse	0.30	3
Sr			1	-0.005	ug/l	-213.14	646.68	3.439E-04	Pulse	0.50	3
[Pb]			1	0.056	ug/l	26.57	1,727.43	3.347E-04	Pulse	0.50	3
Ca			1	-2.565	ug/l	-37.91	228.67	9.442E-04	Pulse	0.50	3
Ti			1	0.017	ug/l	177.88	10.67	4.388E-05	Pulse	0.50	3
Na			1	3.390	ug/l	13.31	23,829.80	9.850E-02	Pulse	1.00	3
Mg			1	0.153	ug/l	99.04	246.67	1.017E-03	Pulse	1.00	3
K			1	-1.270	ug/l	-30.21	26,515.44	1.096E-01	Pulse	1.00	3
V			1	-0.014	ug/l	-30.86	281.33	1.161E-03	Pulse	0.50	3
Mn			1	0.007	ug/l	45.06	132.00	5.450E-04	Pulse	0.50	3
Fe			1	2.627	ug/l	102.30	32,075.95	1.318E-01	Pulse	0.50	3
Co			1	0.002	ug/l	95.44	126.67	5.223E-04	Pulse	0.50	3
Ni			1	-0.007	ug/l	-38.87	87.33	3.605E-04	Pulse	0.50	3
Cu			1	-0.149	ug/l	-104.96	12,293.48	5.073E-02	Pulse	0.50	3
Zn			1	-1.222	ug/l	-19.65	1,275.39	5.257E-03	Pulse	1.00	3
Cd			1	0.006	ug/l	36.28	24.00	1.272E-05	Pulse	0.50	3
Al			1	-1.242	ug/l	-100.98	317.00	1.681E-04	Pulse	1.00	3
Se			1	-0.016	ug/l	-367.30	39.22	1.620E-04	Pulse	3.00	3
Sb			1	0.044	ug/l	62.03	756.35	4.014E-04	Pulse	1.00	3
Se			1	-0.512	ug/l	-10.50	40.22	2.643E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		5,155,370.17	1.87	99.8	Pulse	0.50	3
1	Sc		241,897.57	1.40	103.3	Pulse	0.30	3

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Quantitation Report

1	Ge	205,090.24	7.91	101.8	Pulse	0.30	3
1	In	1,880,448.05	1.46	99.8	Pulse	0.30	3
1	Tb	7,211,093.33	0.51	101.1	Analog	0.50	3
1	Lu	4,254,140.00	1.26	99.6	Pulse	0.50	3
1	Ge	312,158.82	7.42	102.6	Pulse	0.30	3
1	Te	15,218.36	1.31	100.9	Pulse	0.50	3
1	Li	790.02	13.18	105.6	Pulse	0.30	3

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Quantitation Report

File Name 013LCCV.d
File Path C:\Agilent\ICPMH\1\DATA\14702218m1.b
Method File
Method Path
Acq Time 2/22/2018 9:33
Sample Name CRIA
Sample Type CRIA
Comment =std 2
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	1.013	ug/l	2.04	15,360.05	6.355E-02	Pulse	0.50	3
As			1	0.964	ug/l	3.30	1,590.07	6.579E-03	Pulse	1.00	3
Mo			1	0.995	ug/l	5.48	9,227.63	4.906E-03	Pulse	0.50	3
Pb			1	0.966	ug/l	0.44	46,878.45	9.110E-03	Pulse	1.00	3
Be			1	0.672	ug/l	4.06	39.00	2.073E-05	Pulse	2.00	3
Ag			1	1.006	ug/l	2.29	30,993.89	1.647E-02	Pulse	0.50	3
Ba			1	0.932	ug/l	1.60	3,313.65	2.191E-01	Pulse	0.50	3
Tl			1	0.984	ug/l	2.42	69,393.56	1.349E-02	Pulse	0.50	3
Sn			1	1.026	ug/l	2.04	7,717.22	4.101E-03	Pulse	0.30	3
Sr			1	0.973	ug/l	3.32	7,973.04	4.238E-03	Pulse	0.50	3
[Pb]			1	0.994	ug/l	2.42	22,429.40	4.360E-03	Pulse	0.50	3
Ca			1	95.494	ug/l	2.86	3,148.93	1.303E-02	Pulse	0.50	3
Ti			1	0.991	ug/l	16.12	272.00	1.125E-03	Pulse	0.50	3
Na			1	101.202	ug/l	0.71	160,351.79	6.634E-01	Pulse	1.00	3
Mg			1	100.366	ug/l	0.88	60,710.84	2.512E-01	Pulse	1.00	3
K			1	98.307	ug/l	0.73	84,330.97	3.489E-01	Pulse	1.00	3
V			1	0.967	ug/l	3.68	10,291.41	4.257E-02	Pulse	0.50	3
Mn			1	1.004	ug/l	1.07	5,971.60	2.471E-02	Pulse	0.50	3
Fe			1	100.780	ug/l	0.92	1,059,694.46	4.384E+00	Pulse	0.50	3
Co			1	1.026	ug/l	1.92	24,159.76	9.996E-02	Pulse	0.50	3
Ni			1	1.038	ug/l	1.69	6,893.25	2.852E-02	Pulse	0.50	3
Cu			1	0.830	ug/l	3.98	30,200.96	1.249E-01	Pulse	0.50	3
Zn			1	-0.184	ug/l	-26.47	3,664.35	1.516E-02	Pulse	1.00	3
Cd			1	0.979	ug/l	1.21	3,817.08	2.028E-03	Pulse	0.50	3
Al			1	96.033	ug/l	1.94	17,872.98	9.498E-03	Pulse	1.00	3
Se			1	0.900	ug/l	6.02	116.67	4.828E-04	Pulse	3.00	3
Sb			1	0.993	ug/l	1.36	10,402.29	5.528E-03	Pulse	1.00	3
Se			1	0.525	ug/l	39.46	85.22	5.632E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		5,145,480.50	0.71	99.6	Pulse	0.50	3

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Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Sc		241,711.76	0.65	103.2	Pulse	0.30	3
1	Ge		209,943.27	8.40	104.2	Pulse	0.30	3
1	In		1,882,099.09	1.70	99.9	Pulse	0.30	3
1	Tb		7,253,184.83	0.69	101.7	Analog	0.50	3
1	Lu		4,258,240.42	1.35	99.7	Pulse	0.50	3
1	Ge		317,702.94	8.83	104.4	Pulse	0.30	3
1	Te		15,123.62	0.82	100.2	Pulse	0.50	3
1	Li		712.24	7.61	95.2	Pulse	0.30	3

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Quantitation Report

File Name 014ICSA.d
File Path C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 9:37
Sample Name ICSA
Sample Type ICSA
Comment
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	1.231	ug/l	0.73	18,031.02	7.585E-02	Pulse	0.50	3
As			1	0.068	ug/l	5.08	149.67	6.295E-04	Pulse	1.00	3
Mo			1	2059.724	ug/l	0.51	17,762,493.33	1.012E+01	Analog	0.50	3
Pb			1	0.102	ug/l	2.20	5,160.12	1.141E-03	Pulse	1.00	3
Be			1	-0.016	ug/l	-129.78	2.17	1.234E-06	Pulse	2.00	3
Ag			1	0.047	ug/l	12.53	1,370.05	7.800E-04	Pulse	0.50	3
Ba			1	0.054	ug/l	4.72	185.33	1.357E-02	Pulse	0.50	3
Tl			1	0.028	ug/l	22.79	1,811.44	4.006E-04	Pulse	0.50	3
Sn			1	0.146	ug/l	4.81	1,360.06	7.746E-04	Pulse	0.30	3
Sr			1	0.848	ug/l	7.98	6,567.84	3.741E-03	Pulse	0.50	3
[Pb]			1	0.101	ug/l	1.82	2,387.52	5.278E-04	Pulse	0.50	3
Ca			1	94110.992	ug/l	0.46	2,756,693.50	1.160E+01	Pulse	0.50	3
Ti			1	1944.837	ug/l	1.10	513,154.62	2.159E+00	Pulse	0.50	3
Na			1	99128.923	ug/l	1.00	136,106,682.67	5.726E+02	Analog	1.00	3
Mg			1	98997.935	ug/l	0.30	58,743,922.67	2.471E+02	Analog	1.00	3
K			1	100471.761	ug/l	0.90	57,415,153.33	2.415E+02	Analog	1.00	3
V			1	-0.006	ug/l	-80.32	356.01	1.497E-03	Pulse	0.50	3
Mn			1	0.229	ug/l	6.92	1,408.72	5.928E-03	Pulse	0.50	3
Fe			1	98019.029	ug/l	1.60	1,009,431,381.33	4.247E+03	Analog	0.50	3
Co			1	0.010	ug/l	12.65	304.67	1.281E-03	Pulse	0.50	3
Ni			1	0.109	ug/l	0.66	828.69	3.486E-03	Pulse	0.50	3
Cu			1	-0.214	ug/l	-11.46	10,893.11	4.583E-02	Pulse	0.50	3
Zn			1	-0.353	ug/l	-34.96	3,218.27	1.354E-02	Pulse	1.00	3
Cd			1	0.248	ug/l	5.58	902.03	5.138E-04	Pulse	0.50	3
Al			1	99691.165	ug/l	0.52	16,788,714.00	9.562E+00	Analog	1.00	3
Se			1	-0.012	ug/l	-420.44	38.78	1.632E-04	Pulse	3.00	3
Sb			1	0.072	ug/l	28.87	966.69	5.509E-04	Pulse	1.00	3
Se			1	-0.376	ug/l	-43.94	41.44	3.037E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,523,025.00	0.29	87.6	Pulse	0.50	3
1	Sc		237,716.91	0.82	101.5	Pulse	0.30	3
1	Ge		205,033.62	10.05	101.8	Pulse	0.30	3
1	In		1,755,721.46	0.52	93.2	Pulse	0.30	3
1	Tb		7,022,634.83	0.77	98.5	Analog	0.50	3
1	Lu		4,108,581.33	0.91	96.2	Pulse	0.50	3
1	Ge		307,011.59	9.98	100.9	Pulse	0.30	3

7.1
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Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Te		13,659.16	1.23	90.5	Pulse	0.50	3
1	Li		671.13	1.60	89.7	Pulse	0.30	3

Quantitation Report

File Name 0151CSB.d
File Path C:\Agilent\ICPMH\1\DATA\wa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 9:42
Sample Name ICSAB
Sample Type ICSAB
Comment
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step **Tune File**
 1

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	19.271	ug/l	7.18	273,883.68	1.093E+00	Pulse	0.50	3
As			1	18.174	ug/l	6.58	30,276.71	1.209E-01	Pulse	1.00	3
Mo			1	1960.027	ug/l	7.82	17,099,761.33	9.627E+00	Analog	0.50	3
Pb			1	0.085	ug/l	6.54	4,412.91	9.861E-04	Pulse	1.00	3
Be			1	-0.046	ug/l	-50.46	0.67	3.816E-07	Pulse	2.00	3
Ag			1	17.876	ug/l	6.87	519,343.73	2.924E-01	Pulse	0.50	3
Ba			1	0.066	ug/l	32.68	222.67	1.659E-02	Pulse	0.50	3
Tl			1	0.016	ug/l	19.51	1,103.37	2.472E-04	Pulse	0.50	3
Sn			1	0.104	ug/l	5.99	1,091.16	6.141E-04	Pulse	0.30	3
Sr			1	0.810	ug/l	6.55	6,376.44	3.589E-03	Pulse	0.50	3
[Pb]			1	0.089	ug/l	4.97	2,131.48	4.762E-04	Pulse	0.50	3
Ca			1	86946.918	ug/l	6.84	2,683,979.42	1.071E+01	Pulse	0.50	3
Ti			1	1774.835	ug/l	8.69	493,467.04	1.970E+00	Pulse	0.50	3
Na			1	93407.650	ug/l	6.12	135,161,480.00	5.395E+02	Analog	1.00	3
Mg			1	90998.434	ug/l	7.24	56,898,153.33	2.271E+02	Analog	1.00	3
K			1	95060.348	ug/l	5.57	57,248,030.67	2.285E+02	Analog	1.00	3
V			1	-0.006	ug/l	-90.21	370.00	1.475E-03	Pulse	0.50	3
Mn			1	17.971	ug/l	6.99	109,205.53	4.360E-01	Pulse	0.50	3
Fe			1	91117.740	ug/l	8.15	988,891,477.33	3.948E+03	Analog	0.50	3
Co			1	17.962	ug/l	6.45	436,877.16	1.744E+00	Pulse	0.50	3
Ni			1	17.512	ug/l	6.34	118,281.32	4.722E-01	Pulse	0.50	3
Cu			1	17.149	ug/l	6.55	341,079.75	1.362E+00	Pulse	0.50	3
Zn			1	16.637	ug/l	6.48	44,012.90	1.757E-01	Pulse	1.00	3
Cd			1	17.969	ug/l	8.85	66,113.59	3.722E-02	Pulse	0.50	3
Al			1	93987.417	ug/l	8.53	16,011,444.00	9.015E+00	Analog	1.00	3
Se			1	0.028	ug/l	349.72	44.45	1.772E-04	Pulse	3.00	3
Sb			1	0.106	ug/l	20.55	1,308.72	7.354E-04	Pulse	1.00	3
Se			1	-0.212	ug/l	-62.29	47.00	3.508E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,478,700.17	2.78	86.7	Pulse	0.50	3
1	Sc		250,568.03	1.21	107.0	Pulse	0.30	3
1	Ge		203,102.95	3.04	100.8	Pulse	0.30	3
1	In		1,777,367.01	1.54	94.3	Pulse	0.30	3
1	Tb		7,009,870.33	0.94	98.3	Analog	0.50	3
1	Lu		4,019,631.33	2.09	94.1	Pulse	0.50	3

7.1
7

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Ge		304,962.63	4.60	100.2	Pulse	0.30	3
1	Te		13,380.27	2.01	88.7	Pulse	0.50	3
1	Li		721.13	13.11	96.4	Pulse	0.30	3

7.1
7

Quantitation Report

File Name 016CCVA.d
File Path C:\Agilent\ICPMH\1\DATA\sa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 9:47
Sample Name CCV (Ag)
Sample Type CCV_Ag
Comment =std 4
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	48.441	ug/l	0.49	710,494.71	2.738E+00	Pulse	0.50	3
As			1	48.027	ug/l	1.14	82,793.69	3.191E-01	Pulse	1.00	3
Mo			1	49.803	ug/l	0.83	466,039.31	2.446E-01	Pulse	0.50	3
Pb			1	47.031	ug/l	2.49	2,122,979.00	4.339E-01	Pulse	1.00	3
Be			1	48.207	ug/l	2.13	2,603.17	1.367E-03	Pulse	2.00	3
Ag			1	50.287	ug/l	1.94	1,566,701.12	8.225E-01	Pulse	0.50	3
Ba			1	47.916	ug/l	3.85	163,462.60	1.121E+01	Pulse	0.50	3
Tl			1	47.206	ug/l	3.05	3,160,861.33	6.460E-01	Pulse	0.50	3
Sn			1	48.346	ug/l	1.61	348,753.28	1.831E-01	Pulse	0.30	3
Sr			1	48.216	ug/l	1.64	366,546.26	1.924E-01	Pulse	0.50	3
[Pb]			1	47.353	ug/l	3.02	994,140.46	2.032E-01	Pulse	0.50	3
Ca			1	47.659	ug/l	1.82	152,674.12	5.885E-01	Pulse	0.50	3
Ti			1	47.809	ug/l	0.53	13,774.88	5.309E-02	Pulse	0.50	3
Na			1	4956.059	ug/l	1.04	7,446,449.67	2.870E+01	Analog	1.00	3
Mg			1	4666.900	ug/l	0.80	3,022,504.58	1.165E+01	Pulse	1.00	3
K			1	4846.659	ug/l	0.84	3,050,643.42	1.176E+01	Pulse	1.00	3
V			1	47.995	ug/l	0.79	526,231.23	2.028E+00	Pulse	0.50	3
Mn			1	47.935	ug/l	0.88	301,515.68	1.162E+00	Pulse	0.50	3
Fe			1	4888.768	ug/l	0.71	54,953,981.33	2.118E+02	Analog	0.50	3
Co			1	49.011	ug/l	1.48	1,234,325.83	4.758E+00	Pulse	0.50	3
Ni			1	48.795	ug/l	0.73	341,081.64	1.315E+00	Pulse	0.50	3
Cu			1	49.033	ug/l	1.40	980,059.06	3.778E+00	Pulse	0.50	3
Zn			1	47.845	ug/l	0.83	122,860.14	4.736E-01	Pulse	1.00	3
Cd			1	47.957	ug/l	1.47	189,249.82	9.935E-02	Pulse	0.50	3
Al			1	4753.909	ug/l	1.77	869,090.15	4.563E-01	Pulse	1.00	3
Se			1	46.937	ug/l	0.99	4,307.38	1.660E-02	Pulse	3.00	3
Sb			1	47.248	ug/l	1.21	486,576.11	2.554E-01	Pulse	1.00	3
Se			1	48.923	ug/l	2.17	2,116.01	1.450E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,894,726.50	1.93	94.8	Pulse	0.50	3
1	Sc		259,445.29	0.57	110.7	Pulse	0.30	3
1	Ge		215,101.62	2.09	106.8	Pulse	0.30	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	In		1,905,078.75	1.11	101.1	Pulse	0.30	3
1	Tb		7,101,636.00	1.18	99.6	Analog	0.50	3
1	Lu		4,049,970.17	1.44	94.9	Pulse	0.50	3
1	Ge		318,233.24	2.18	104.6	Pulse	0.30	3
1	Te		14,592.52	2.34	96.7	Pulse	0.50	3
1	Li		680.02	7.84	90.9	Pulse	0.30	3

7.1

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Quantitation Report

File Name 017_CCV.d
File Path C:\Agilent\ICPMH\1\DATA\wa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 9:51
Sample Name CCV
Sample Type CCV
Comment =std 5
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step **Tune File**
 1

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	95.827	ug/l	6.74	1,391,390.58	5.411E+00	Pulse	0.50	3
As			1	95.775	ug/l	6.83	163,593.95	6.362E-01	Pulse	1.00	3
Mo			1	98.917	ug/l	7.17	895,138.46	4.859E-01	Pulse	0.50	3
Pb			1	94.410	ug/l	7.15	4,174,685.08	8.707E-01	Pulse	1.00	3
Be			1	99.694	ug/l	7.61	5,203.67	2.824E-03	Pulse	2.00	3
Ag			1	101.300	ug/l	7.58	3,051,922.17	1.657E+00	Pulse	0.50	3
Ba			1	95.791	ug/l	5.89	320,374.36	2.241E+01	Pulse	0.50	3
Tl			1	94.982	ug/l	4.66	6,232,918.17	1.300E+00	Pulse	0.50	3
Sn			1	96.132	ug/l	7.26	670,262.18	3.638E-01	Pulse	0.30	3
Sr			1	97.740	ug/l	8.05	717,795.88	3.897E-01	Pulse	0.50	3
[Pb]			1	96.797	ug/l	6.34	1,990,962.54	4.152E-01	Pulse	0.50	3
Ca			1	9477.439	ug/l	5.99	300,607.43	1.169E+00	Pulse	0.50	3
Ti			1	92.678	ug/l	7.58	26,457.94	1.029E-01	Pulse	0.50	3
Na			1	9963.946	ug/l	5.69	14,818,746.33	5.762E+01	Analog	1.00	3
Mg			1	9570.715	ug/l	6.68	6,143,354.83	2.389E+01	Analog	1.00	3
K			1	10037.440	ug/l	5.20	6,231,528.67	2.423E+01	Analog	1.00	3
V			1	96.673	ug/l	7.53	1,050,038.46	4.084E+00	Pulse	0.50	3
Mn			1	94.023	ug/l	7.01	586,076.33	2.279E+00	Pulse	0.50	3
Fe			1	9577.939	ug/l	7.29	106,700,941.33	4.150E+02	Analog	0.50	3
Co			1	96.306	ug/l	6.76	2,403,924.50	9.349E+00	Pulse	0.50	3
Ni			1	96.766	ug/l	6.89	670,262.06	2.607E+00	Pulse	0.50	3
Cu			1	96.918	ug/l	6.73	1,904,456.91	7.406E+00	Pulse	0.50	3
Zn			1	94.771	ug/l	7.03	236,928.96	9.214E-01	Pulse	1.00	3
Cd			1	97.826	ug/l	8.41	373,260.88	2.027E-01	Pulse	0.50	3
Al			1	9550.923	ug/l	7.82	1,687,941.79	9.164E-01	Pulse	1.00	3
Se			1	94.425	ug/l	5.55	8,545.47	3.323E-02	Pulse	3.00	3
Sb			1	96.678	ug/l	8.37	962,367.10	5.225E-01	Pulse	1.00	3
Se			1	102.048	ug/l	7.33	4,261.59	2.981E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,796,749.83	1.10	92.9	Pulse	0.50	3
1	Sc		257,244.35	0.95	109.8	Pulse	0.30	3
1	Ge		209,685.74	0.59	104.1	Pulse	0.30	3
1	In		1,844,046.45	2.22	97.9	Pulse	0.30	3
1	Tb		7,177,271.67	1.03	100.7	Analog	0.50	3
1	Lu		4,068,737.25	1.13	95.3	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Ge		317,209.22	1.75	104.3	Pulse	0.30	3
1	Te		14,309.61	2.50	94.8	Pulse	0.50	3
1	Li		677.79	7.62	90.6	Pulse	0.30	3

7.1

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Quantitation Report

File Name 018_CCB.d
File Path C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 9:56
Sample Name CCB
Sample Type CCB
Comment
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.012	ug/l	59.46	1,832.09	7.099E-03	Pulse	0.50	3
As			1	-0.007	ug/l	-60.70	34.00	1.317E-04	Pulse	1.00	3
Mo			1	0.088	ug/l	4.66	848.02	4.507E-04	Pulse	0.50	3
Pb			1	0.025	ug/l	20.87	2,088.80	4.260E-04	Pulse	1.00	3
Be			1	-0.032	ug/l	-29.45	1.50	7.966E-07	Pulse	2.00	3
Ag			1	0.024	ug/l	24.70	766.69	4.075E-04	Pulse	0.50	3
Ba			1	0.002	ug/l	116.19	21.33	1.415E-03	Pulse	0.50	3
Tl			1	0.130	ug/l	0.95	8,816.37	1.801E-03	Pulse	0.50	3
Sn			1	0.177	ug/l	34.00	1,680.28	8.926E-04	Pulse	0.30	3
Sr			1	-0.004	ug/l	-43.98	656.68	3.490E-04	Pulse	0.50	3
[Pb]			1	0.023	ug/l	25.09	960.70	1.959E-04	Pulse	0.50	3
Ca			1	-2.848	ug/l	-56.43	234.67	9.093E-04	Pulse	0.50	3
Ti			1	0.010	ug/l	293.71	9.33	3.609E-05	Pulse	0.50	3
Na			1	11.481	ug/l	2.15	37,469.53	1.452E-01	Pulse	1.00	3
Mg			1	0.443	ug/l	23.44	449.01	1.739E-03	Pulse	1.00	3
K			1	3.173	ug/l	7.42	31,034.64	1.203E-01	Pulse	1.00	3
V			1	-0.014	ug/l	-32.65	294.67	1.141E-03	Pulse	0.50	3
Mn			1	0.045	ug/l	7.19	376.67	1.460E-03	Pulse	0.50	3
Fe			1	1.214	ug/l	30.89	18,241.82	7.061E-02	Pulse	0.50	3
Co			1	0.001	ug/l	186.47	98.67	3.822E-04	Pulse	0.50	3
Ni			1	-0.006	ug/l	-21.45	100.67	3.901E-04	Pulse	0.50	3
Cu			1	-0.244	ug/l	-8.15	11,242.66	4.357E-02	Pulse	0.50	3
Zn			1	-1.251	ug/l	-5.51	1,285.05	4.977E-03	Pulse	1.00	3
Cd			1	0.003	ug/l	53.42	12.67	6.730E-06	Pulse	0.50	3
Al			1	1.435	ug/l	10.77	799.69	4.249E-04	Pulse	1.00	3
Se			1	-0.063	ug/l	-26.39	37.56	1.455E-04	Pulse	3.00	3
Sb			1	0.054	ug/l	37.05	849.69	4.515E-04	Pulse	1.00	3
Se			1	-0.419	ug/l	-12.02	43.89	2.912E-03	Pulse	3.00	3

Quantitation Report

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,895,663.33	2.28	94.8	Pulse	0.50	3
1	Sc		258,000.22	0.89	110.1	Pulse	0.30	3
1	Ge		212,845.84	3.12	105.7	Pulse	0.30	3
1	In		1,881,720.34	0.44	99.8	Pulse	0.30	3
1	Tb		7,048,494.50	0.70	98.8	Analog	0.50	3
1	Lu		3,999,569.25	1.60	93.7	Pulse	0.50	3
1	Ge		319,118.96	3.17	104.9	Pulse	0.30	3
1	Te		15,080.26	2.23	99.9	Pulse	0.50	3
1	Li		715.57	3.91	95.7	Pulse	0.30	3

7.1

7

Quantitation Report

File Name 019_MB.d
File Path C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 10:01
Sample Name MP33357-MB1
Sample Type MB
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.077	ug/l	20.42	2,263.47	8.567E-03	Pulse	0.50	3
As			1	-0.014	ug/l	-99.15	34.33	1.304E-04	Pulse	1.00	3
Mo			1	0.159	ug/l	9.00	776.69	4.118E-04	Pulse	0.50	3
Pb			1	0.020	ug/l	19.12	1,436.40	2.940E-04	Pulse	1.00	3
Be			1	-0.076	ug/l	-51.31	1.17	6.185E-07	Pulse	2.00	3
Ag			1	0.025	ug/l	5.96	415.34	2.201E-04	Pulse	0.50	3
Ba			1	0.009	ug/l	25.50	30.00	2.103E-03	Pulse	0.50	3
Tl			1	0.065	ug/l	14.51	2,264.83	4.639E-04	Pulse	0.50	3
Sn			1	0.124	ug/l	9.31	863.36	4.577E-04	Pulse	0.30	3
Sr			1	-0.009	ug/l	-115.30	652.68	3.459E-04	Pulse	0.50	3
[Pb]			1	0.018	ug/l	31.10	658.02	1.347E-04	Pulse	0.50	3
Ca			1	1.121	ug/l	145.39	350.67	1.329E-03	Pulse	0.50	3
Ti			1	0.018	ug/l	81.58	9.33	3.525E-05	Pulse	0.50	3
Na			1	14.752	ug/l	10.83	32,067.24	1.215E-01	Pulse	1.00	3
Mg			1	0.900	ug/l	8.99	464.01	1.758E-03	Pulse	1.00	3
K			1	3.099	ug/l	70.20	30,719.81	1.164E-01	Pulse	1.00	3
V			1	-0.033	ug/l	-9.56	278.00	1.053E-03	Pulse	0.50	3
Mn			1	0.009	ug/l	63.86	127.33	4.819E-04	Pulse	0.50	3
Fe			1	1.301	ug/l	13.33	12,183.85	4.619E-02	Pulse	0.50	3
Co			1	0.000	ug/l	3788.99	86.67	3.291E-04	Pulse	0.50	3
Ni			1	-0.006	ug/l	-94.10	126.67	4.789E-04	Pulse	0.50	3
Cu			1	0.104	ug/l	116.54	17,400.58	6.597E-02	Pulse	0.50	3
Zn			1	-0.255	ug/l	-53.57	4,143.12	1.570E-02	Pulse	1.00	3
Cd			1	0.007	ug/l	64.94	14.67	7.793E-06	Pulse	0.50	3
Al			1	-1.983	ug/l	-10.51	362.67	1.922E-04	Pulse	1.00	3
Se			1	0.002	ug/l	3843.81	44.33	1.679E-04	Pulse	3.00	3
Sb			1	0.108	ug/l	48.92	858.69	4.548E-04	Pulse	1.00	3
Se			1	-0.683	ug/l	-25.90	44.78	3.136E-03	Pulse	3.00	3

Quantitation Report

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,885,951.33	1.17	94.6	Pulse	0.50	3
1	Sc		264,027.64	2.02	112.7	Pulse	0.30	3
1	Ge		212,006.51	0.47	105.2	Pulse	0.30	3
1	In		1,886,693.74	0.60	100.1	Pulse	0.30	3
1	Tb		7,231,140.33	1.24	101.4	Analog	0.50	3
1	Lu		3,980,347.92	0.84	93.2	Pulse	0.50	3
1	Ge		319,290.73	0.34	104.9	Pulse	0.30	3
1	Te		14,280.94	1.35	94.6	Pulse	0.50	3
1	Li		701.13	18.11	93.8	Pulse	0.30	3

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Quantitation Report

File Name 020_BSP.d
File Path C:\Agilent\ICPMH\1\DATA\wa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 10:05
Sample Name MP33357-B1
Sample Type BSP
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	203.806	ug/l	6.42	1,500,136.46	5.754E+00	Pulse	0.50	3
As			1	205.360	ug/l	6.26	177,820.57	6.821E-01	Pulse	1.00	3
Mo			1	206.789	ug/l	6.47	951,820.31	5.079E-01	Pulse	0.50	3
Pb			1	197.368	ug/l	5.21	4,354,658.83	9.101E-01	Pulse	1.00	3
Be			1	206.787	ug/l	7.14	5,489.58	2.929E-03	Pulse	2.00	3
Ag			1	104.484	ug/l	7.04	1,601,180.08	8.545E-01	Pulse	0.50	3
Ba			1	206.188	ug/l	5.95	346,156.00	2.411E+01	Pulse	0.50	3
Tl			1	198.873	ug/l	5.38	6,510,622.33	1.361E+00	Analog	0.50	3
Sn			1	224.322	ug/l	6.22	795,509.60	4.245E-01	Pulse	0.30	3
Sr			1	194.901	ug/l	6.56	728,183.02	3.885E-01	Pulse	0.50	3
[Pb]			1	191.851	ug/l	4.82	1,968,804.83	4.115E-01	Pulse	0.50	3
Ca			1	19791.011	ug/l	6.39	318,190.01	1.221E+00	Pulse	0.50	3
Ti			1	189.394	ug/l	5.75	27,413.90	1.051E-01	Pulse	0.50	3
Na			1	20468.441	ug/l	5.86	15,432,235.00	5.919E+01	Analog	1.00	3
Mg			1	19773.364	ug/l	6.53	6,434,177.00	2.468E+01	Analog	1.00	3
K			1	20715.913	ug/l	5.44	6,519,054.83	2.500E+01	Analog	1.00	3
V			1	207.188	ug/l	5.40	1,141,034.71	4.376E+00	Pulse	0.50	3
Mn			1	198.908	ug/l	6.02	628,691.39	2.411E+00	Pulse	0.50	3
Fe			1	19925.765	ug/l	7.88	112,523,296.00	4.317E+02	Analog	0.50	3
Co			1	203.628	ug/l	5.87	2,576,911.83	9.883E+00	Pulse	0.50	3
Ni			1	201.873	ug/l	6.19	708,968.38	2.719E+00	Pulse	0.50	3
Cu			1	200.309	ug/l	6.23	1,995,052.00	7.652E+00	Pulse	0.50	3
Zn			1	204.686	ug/l	6.65	259,072.07	9.937E-01	Pulse	1.00	3
Cd			1	197.840	ug/l	7.46	383,991.85	2.049E-01	Pulse	0.50	3
Al			1	19250.249	ug/l	7.35	1,730,463.71	9.235E-01	Pulse	1.00	3
Se			1	191.808	ug/l	5.83	8,798.80	3.375E-02	Pulse	3.00	3
Sb			1	197.324	ug/l	7.62	999,109.82	5.332E-01	Pulse	1.00	3
Se			1	205.669	ug/l	5.30	4,312.27	3.003E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,784,191.50	0.30	92.6	Pulse	0.50	3
1	Sc		260,938.76	2.34	111.4	Pulse	0.30	3
1	Ge		209,543.98	2.09	104.0	Pulse	0.30	3
1	In		1,875,850.76	2.26	99.5	Pulse	0.30	3
1	Tb		7,139,094.67	1.01	100.1	Analog	0.50	3
1	Lu		4,093,059.00	1.11	95.9	Pulse	0.50	3

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Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Ge		317,460.05	1.17	104.3	Pulse	0.30	3
1	Te		14,365.02	1.85	95.2	Pulse	0.50	3
1	Li		704.46	2.89	94.2	Pulse	0.30	3

Quantitation Report

File Name 021_BSP.d
File Path C:\Agilent\ICPMH\1\DATA\021\022218m1.b
Method File
Method Path
Acq Time 2/22/2018 10:10
Sample Name MP33357-B2
Sample Type BSP
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	194.789	ug/l	9.40	1,405,311.08	5.499E+00	Pulse	0.50	3
As			1	197.639	ug/l	9.01	167,752.25	6.564E-01	Pulse	1.00	3
Mo			1	196.769	ug/l	7.22	905,928.60	4.833E-01	Pulse	0.50	3
Pb			1	191.088	ug/l	9.04	4,210,262.17	8.812E-01	Pulse	1.00	3
Be			1	197.287	ug/l	7.57	5,239.18	2.795E-03	Pulse	2.00	3
Ag			1	100.075	ug/l	8.38	1,534,090.33	8.184E-01	Pulse	0.50	3
Ba			1	199.952	ug/l	7.09	330,765.82	2.338E+01	Pulse	0.50	3
Tl			1	188.202	ug/l	9.44	6,153,446.50	1.288E+00	Mix	0.50	3
Sn			1	212.695	ug/l	8.93	754,451.91	4.025E-01	Pulse	0.30	3
Sr			1	185.330	ug/l	9.03	692,611.60	3.695E-01	Pulse	0.50	3
[Pb]			1	186.710	ug/l	9.09	1,913,361.04	4.005E-01	Pulse	0.50	3
Ca			1	19237.167	ug/l	8.81	303,175.52	1.186E+00	Pulse	0.50	3
Ti			1	186.104	ug/l	8.55	26,403.92	1.033E-01	Pulse	0.50	3
Na			1	20002.478	ug/l	8.76	14,780,864.33	5.784E+01	Analog	1.00	3
Mg			1	19317.076	ug/l	9.39	6,161,063.33	2.411E+01	Analog	1.00	3
K			1	20194.437	ug/l	8.04	6,229,431.17	2.438E+01	Analog	1.00	3
V			1	201.041	ug/l	9.11	1,085,091.62	4.246E+00	Pulse	0.50	3
Mn			1	192.902	ug/l	8.50	597,509.71	2.338E+00	Pulse	0.50	3
Fe			1	19635.777	ug/l	9.31	108,702,738.67	4.254E+02	Analog	0.50	3
Co			1	195.796	ug/l	9.71	2,428,467.08	9.503E+00	Pulse	0.50	3
Ni			1	195.209	ug/l	9.36	671,852.71	2.629E+00	Pulse	0.50	3
Cu			1	196.940	ug/l	9.40	1,922,704.96	7.524E+00	Pulse	0.50	3
Zn			1	198.546	ug/l	9.01	246,450.67	9.644E-01	Pulse	1.00	3
Cd			1	193.505	ug/l	8.12	375,726.03	2.004E-01	Pulse	0.50	3
Al			1	18437.094	ug/l	7.89	1,658,019.29	8.845E-01	Pulse	1.00	3
Se			1	184.299	ug/l	8.26	8,288.91	3.243E-02	Pulse	3.00	3
Sb			1	189.089	ug/l	8.28	957,809.10	5.110E-01	Pulse	1.00	3
Se			1	199.836	ug/l	6.87	4,129.34	2.919E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,779,047.67	0.92	92.5	Pulse	0.50	3
1	Sc		255,767.42	1.53	109.2	Pulse	0.30	3
1	Ge		211,644.84	1.71	105.1	Pulse	0.30	3
1	In		1,875,182.98	0.79	99.5	Pulse	0.30	3
1	Tb		7,221,048.83	1.15	101.3	Analog	0.50	3
1	Lu		4,086,653.42	1.11	95.7	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Ge		316,045.27	0.66	103.9	Pulse	0.30	3
1	Te		14,137.48	1.07	93.7	Pulse	0.50	3
1	Li		742.24	4.43	99.3	Pulse	0.30	3

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Quantitation Report

File Name 022SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\sa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 10:15
Sample Name FA51184-1E
Sample Type Sample
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	224.475	ug/l	2.98	1,635,023.92	6.337E+00	Pulse	0.50	3
As			1	100.447	ug/l	2.23	86,114.40	3.337E-01	Pulse	1.00	3
Mo			1	184.611	ug/l	0.93	875,326.13	4.534E-01	Pulse	0.50	3
Pb			1	135.270	ug/l	1.25	3,073,238.17	6.238E-01	Pulse	1.00	3
Be			1	343.094	ug/l	2.20	9,379.50	4.859E-03	Pulse	2.00	3
Ag			1	372.840	ug/l	2.88	5,885,884.33	3.049E+00	Mix	0.50	3
Ba			1	1730.029	ug/l	2.67	2,905,498.50	2.023E+02	Pulse	0.50	3
Tl			1	482.509	ug/l	1.23	16,264,747.33	3.302E+00	Analog	0.50	3
Sn			1	0.575	ug/l	39.43	2,536.60	1.310E-03	Pulse	0.30	3
Sr			1	408.609	ug/l	1.55	1,571,737.33	8.142E-01	Pulse	0.50	3
[Pb]			1	136.166	ug/l	1.56	1,438,922.75	2.921E-01	Pulse	0.50	3
Ca			1	2088.021	ug/l	2.31	33,518.03	1.299E-01	Pulse	0.50	3
Ti			1	0.275	ug/l	17.66	46.00	1.781E-04	Pulse	0.50	3
Na			1	53.409	ug/l	1.35	60,170.38	2.331E-01	Pulse	1.00	3
Mg			1	1.900	ug/l	8.76	776.02	3.005E-03	Pulse	1.00	3
K			1	13.280	ug/l	10.32	33,194.79	1.286E-01	Pulse	1.00	3
V			1	667.293	ug/l	1.51	3,636,033.42	1.409E+01	Pulse	0.50	3
Mn			1	259.225	ug/l	1.27	810,799.98	3.142E+00	Pulse	0.50	3
Fe			1	1921.436	ug/l	1.08	10,746,000.33	4.164E+01	Analog	0.50	3
Co			1	896.802	ug/l	2.78	11,231,294.00	4.353E+01	Analog	0.50	3
Ni			1	918.885	ug/l	1.63	3,193,244.08	1.237E+01	Pulse	0.50	3
Cu			1	646.676	ug/l	2.56	6,338,403.17	2.456E+01	Analog	0.50	3
Zn			1	573.043	ug/l	1.78	710,033.48	2.752E+00	Pulse	1.00	3
Cd			1	426.335	ug/l	2.60	852,400.60	4.416E-01	Pulse	0.50	3
Al			1	3618.671	ug/l	1.54	335,569.62	1.738E-01	Pulse	1.00	3
Se			1	665.320	ug/l	2.10	30,100.97	1.166E-01	Pulse	3.00	3
Sb			1	590.654	ug/l	2.40	3,080,269.25	1.596E+00	Pulse	1.00	3
Se			1	726.026	ug/l	1.63	15,078.52	1.050E+00	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,926,504.00	0.64	95.4	Pulse	0.50	3
1	Sc		258,090.33	1.27	110.2	Pulse	0.30	3
1	Ge		211,636.63	2.48	105.1	Pulse	0.30	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	In		1,930,700.27	1.30	102.4	Pulse	0.30	3
1	Tb		7,192,583.50	0.68	100.9	Analog	0.50	3
1	Lu		4,084,736.08	1.58	95.7	Pulse	0.50	3
1	Ge		320,812.45	1.81	105.4	Pulse	0.30	3
1	Te		14,366.36	2.19	95.2	Pulse	0.50	3
1	Li		702.24	8.50	93.9	Pulse	0.30	3

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Quantitation Report

File Name 023SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\147022218m1.b
Method File
Method Path
Acq Time 2/22/2018 10:19
Sample Name FA51184-3E
Sample Type Sample
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.216	ug/l	8.97	3,234.95	1.249E-02	Pulse	0.50	3
As			1	0.004	ug/l	408.90	49.33	1.904E-04	Pulse	1.00	3
Mo			1	0.136	ug/l	14.08	688.68	3.542E-04	Pulse	0.50	3
Pb			1	0.319	ug/l	2.25	8,186.64	1.672E-03	Pulse	1.00	3
Be			1	-0.034	ug/l	-202.04	2.33	1.204E-06	Pulse	2.00	3
Ag			1	0.184	ug/l	16.79	2,961.67	1.524E-03	Pulse	0.50	3
Ba			1	0.154	ug/l	28.35	268.00	1.903E-02	Pulse	0.50	3
Tl			1	0.187	ug/l	13.16	6,353.23	1.298E-03	Pulse	0.50	3
Sn			1	1473.346	ug/l	4.39	5,421,981.04	2.787E+00	Pulse	0.30	3
Sr			1	0.044	ug/l	10.45	878.69	4.516E-04	Pulse	0.50	3
[Pb]			1	0.327	ug/l	3.19	3,895.79	7.956E-04	Pulse	0.50	3
Ca			1	6.488	ug/l	12.91	430.01	1.660E-03	Pulse	0.50	3
Ti			1	140.914	ug/l	3.47	20,263.18	7.823E-02	Pulse	0.50	3
Na			1	95.783	ug/l	4.13	92,082.31	3.555E-01	Pulse	1.00	3
Mg			1	3.531	ug/l	3.68	1,305.71	5.041E-03	Pulse	1.00	3
K			1	26.957	ug/l	3.06	37,571.91	1.450E-01	Pulse	1.00	3
V			1	0.007	ug/l	265.47	491.34	1.896E-03	Pulse	0.50	3
Mn			1	0.316	ug/l	9.44	1,086.70	4.195E-03	Pulse	0.50	3
Fe			1	2.026	ug/l	19.23	16,036.72	6.190E-02	Pulse	0.50	3
Co			1	0.112	ug/l	7.79	1,498.07	5.783E-03	Pulse	0.50	3
Ni			1	0.380	ug/l	2.16	1,470.73	5.678E-03	Pulse	0.50	3
Cu			1	10.071	ug/l	2.91	114,907.71	4.436E-01	Pulse	0.50	3
Zn			1	14.919	ug/l	4.72	22,821.49	8.811E-02	Pulse	1.00	3
Cd			1	0.019	ug/l	75.81	38.00	1.960E-05	Pulse	0.50	3
Al			1	37.098	ug/l	3.20	4,020.07	2.066E-03	Pulse	1.00	3
Se			1	0.084	ug/l	51.12	47.22	1.823E-04	Pulse	3.00	3
Sb			1	0.797	ug/l	27.03	4,497.25	2.314E-03	Pulse	1.00	3
Se			1	-0.723	ug/l	-50.75	43.44	3.078E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,896,134.50	1.28	94.8	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Sc		259,025.80	0.46	110.6	Pulse	0.30	3
1	Ge		209,099.28	2.58	103.8	Pulse	0.30	3
1	In		1,945,389.99	0.91	103.2	Pulse	0.30	3
1	Tb		7,149,841.17	1.06	100.3	Analog	0.50	3
1	Lu		4,039,075.00	1.84	94.6	Pulse	0.50	3
1	Ge		315,632.06	3.18	103.7	Pulse	0.30	3
1	Te		14,101.48	0.96	93.5	Pulse	0.50	3
1	Li		734.46	7.27	98.2	Pulse	0.30	3

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Quantitation Report

File Name 0245MPL.d
File Path C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 10:24
Sample Name FA51184-4E
Sample Type Sample
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.242	ug/l	5.93	3,440.32	1.323E-02	Pulse	0.50	3
As			1	0.039	ug/l	21.72	79.33	3.053E-04	Pulse	1.00	3
Mo			1	0.092	ug/l	11.86	469.34	2.463E-04	Pulse	0.50	3
Pb			1	0.040	ug/l	17.39	1,855.44	3.835E-04	Pulse	1.00	3
Be			1	-0.076	ug/l	-13.33	1.17	6.117E-07	Pulse	2.00	3
Ag			1	0.035	ug/l	4.58	579.34	3.044E-04	Pulse	0.50	3
Ba			1	0.805	ug/l	1.87	1,358.72	9.514E-02	Pulse	0.50	3
Tl			1	0.053	ug/l	19.61	1,869.44	3.861E-04	Pulse	0.50	3
Sn			1	0.960	ug/l	30.10	3,869.35	2.037E-03	Pulse	0.30	3
Sr			1	11.734	ug/l	3.99	45,203.40	2.373E-02	Pulse	0.50	3
[Pb]			1	0.042	ug/l	21.40	896.03	1.851E-04	Pulse	0.50	3
Ca			1	25925.085	ug/l	4.81	415,686.34	1.598E+00	Pulse	0.50	3
Ti			1	1.792	ug/l	8.80	265.33	1.020E-03	Pulse	0.50	3
Na			1	175.022	ug/l	3.95	151,953.84	5.843E-01	Pulse	1.00	3
Mg			1	14265.737	ug/l	7.30	4,631,257.17	1.781E+01	Mix	1.00	3
K			1	8.179	ug/l	6.66	31,846.90	1.225E-01	Pulse	1.00	3
V			1	0.176	ug/l	8.94	1,422.72	5.471E-03	Pulse	0.50	3
Mn			1	0.281	ug/l	7.10	982.70	3.779E-03	Pulse	0.50	3
Fe			1	17.483	ug/l	5.90	103,177.26	3.967E-01	Pulse	0.50	3
Co			1	0.008	ug/l	39.26	180.67	6.946E-04	Pulse	0.50	3
Ni			1	0.032	ug/l	17.64	257.33	9.901E-04	Pulse	0.50	3
Cu			1	-0.742	ug/l	-21.35	8,808.75	3.391E-02	Pulse	0.50	3
Zn			1	10.044	ug/l	4.70	16,863.04	6.484E-02	Pulse	1.00	3
Cd			1	0.009	ug/l	6.47	18.67	9.805E-06	Pulse	0.50	3
Al			1	28.248	ug/l	8.04	3,127.92	1.642E-03	Pulse	1.00	3
Se			1	-0.197	ug/l	-59.91	34.56	1.329E-04	Pulse	3.00	3
Sb			1	0.388	ug/l	36.49	2,298.49	1.211E-03	Pulse	1.00	3
Se			1	-0.819	ug/l	-24.16	42.00	2.940E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,840,224.17	0.85	93.7	Pulse	0.50	3
1	Sc		260,005.80	0.77	111.0	Pulse	0.30	3
1	Ge		213,134.46	1.71	105.8	Pulse	0.30	3

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Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	In		1,903,917.84	1.32	101.0	Pulse	0.30	3
1	Tb		7,185,245.50	0.65	100.8	Analog	0.50	3
1	Lu		4,004,368.92	0.16	93.8	Pulse	0.50	3
1	Ge		320,270.94	2.75	105.3	Pulse	0.30	3
1	Te		14,280.95	0.76	94.6	Pulse	0.50	3
1	Li		746.69	10.30	99.9	Pulse	0.30	3

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Quantitation Report

File Name 025SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\wa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 10:28
Sample Name FA51184-5E
Sample Type Sample
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.083	ug/l	10.60	2,298.81	8.738E-03	Pulse	0.50	3
As			1	-0.012	ug/l	-150.61	36.00	1.375E-04	Pulse	1.00	3
Mo			1	0.043	ug/l	25.26	239.33	1.252E-04	Pulse	0.50	3
Pb			1	0.005	ug/l	101.79	1,056.37	2.234E-04	Pulse	1.00	3
Be			1	-0.095	ug/l	-22.35	0.67	3.470E-07	Pulse	2.00	3
Ag			1	0.030	ug/l	3.32	510.01	2.664E-04	Pulse	0.50	3
Ba			1	0.030	ug/l	34.33	64.00	4.564E-03	Pulse	0.50	3
Tl			1	0.029	ug/l	8.10	1,052.70	2.225E-04	Pulse	0.50	3
Sn			1	0.258	ug/l	16.89	1,360.06	7.102E-04	Pulse	0.30	3
Sr			1	0.129	ug/l	8.82	1,186.71	6.201E-04	Pulse	0.50	3
[Pb]			1	0.005	ug/l	79.35	503.34	1.064E-04	Pulse	0.50	3
Ca			1	4.288	ug/l	56.18	400.67	1.524E-03	Pulse	0.50	3
Ti			1	0.095	ug/l	91.11	20.67	7.806E-05	Pulse	0.50	3
Na			1	61948.716	ug/l	6.63	47,058,388.00	1.790E+02	Analog	1.00	3
Mg			1	1.364	ug/l	12.15	615.34	2.336E-03	Pulse	1.00	3
K			1	34958.023	ug/l	6.44	11,073,420.00	4.211E+01	Analog	1.00	3
V			1	-0.013	ug/l	-63.45	386.01	1.465E-03	Pulse	0.50	3
Mn			1	0.015	ug/l	29.93	144.67	5.491E-04	Pulse	0.50	3
Fe			1	0.737	ug/l	3.94	8,942.74	3.397E-02	Pulse	0.50	3
Co			1	0.002	ug/l	12.68	106.67	4.054E-04	Pulse	0.50	3
Ni			1	-0.009	ug/l	-24.93	113.33	4.304E-04	Pulse	0.50	3
Cu			1	-0.836	ug/l	-16.14	8,005.09	3.036E-02	Pulse	0.50	3
Zn			1	10.519	ug/l	7.41	17,649.76	6.711E-02	Pulse	1.00	3
Cd			1	0.005	ug/l	64.56	10.00	5.237E-06	Pulse	0.50	3
Al			1	-3.151	ug/l	-3.71	260.67	1.362E-04	Pulse	1.00	3
Se			1	-0.033	ug/l	-368.96	42.56	1.618E-04	Pulse	3.00	3
Sb			1	0.308	ug/l	39.22	1,908.11	9.949E-04	Pulse	1.00	3
Se			1	-0.585	ug/l	-28.26	45.89	3.277E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,731,585.50	0.89	91.6	Pulse	0.50	3
1	Sc		263,162.87	1.93	112.3	Pulse	0.30	3
1	Ge		214,116.81	1.81	106.3	Pulse	0.30	3
1	In		1,914,276.52	0.88	101.6	Pulse	0.30	3
1	Tb		7,199,241.50	0.80	101.0	Analog	0.50	3
1	Lu		4,071,885.58	0.77	95.4	Pulse	0.50	3

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Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Ge		323,246.85	2.17	106.2	Pulse	0.30	3
1	Te		13,996.73	2.22	92.8	Pulse	0.50	3
1	Li		691.13	3.39	92.4	Pulse	0.30	3

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Quantitation Report

File Name 026_MB.d
File Path C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 10:33
Sample Name MP33365-MB1
Sample Type MB
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.251	ug/l	14.60	3,525.00	1.346E-02	Pulse	0.50	3
As			1	0.056	ug/l	38.14	94.67	3.623E-04	Pulse	1.00	3
Mo			1	0.065	ug/l	6.77	336.67	1.801E-04	Pulse	0.50	3
Pb			1	0.031	ug/l	14.16	1,626.75	3.419E-04	Pulse	1.00	3
Be			1	-0.044	ug/l	-38.31	2.00	1.067E-06	Pulse	2.00	3
Ag			1	0.127	ug/l	8.83	1,970.11	1.056E-03	Pulse	0.50	3
Ba			1	0.029	ug/l	21.86	60.00	4.441E-03	Pulse	0.50	3
Tl			1	0.027	ug/l	38.19	979.37	2.086E-04	Pulse	0.50	3
Sn			1	1.158	ug/l	7.58	4,512.81	2.411E-03	Pulse	0.30	3
Sr			1	0.012	ug/l	116.20	724.02	3.877E-04	Pulse	0.50	3
[Pb]			1	0.027	ug/l	18.29	732.02	1.542E-04	Pulse	0.50	3
Ca			1	5.667	ug/l	30.72	421.34	1.609E-03	Pulse	0.50	3
Ti			1	0.128	ug/l	75.21	25.33	9.633E-05	Pulse	0.50	3
Na			1	28.889	ug/l	1.74	42,547.30	1.623E-01	Pulse	1.00	3
Mg			1	1.023	ug/l	7.00	500.34	1.911E-03	Pulse	1.00	3
K			1	9.708	ug/l	3.89	32,580.78	1.243E-01	Pulse	1.00	3
V			1	0.189	ug/l	7.81	1,504.06	5.743E-03	Pulse	0.50	3
Mn			1	0.050	ug/l	26.53	257.33	9.795E-04	Pulse	0.50	3
Fe			1	2.038	ug/l	7.94	16,272.86	6.216E-02	Pulse	0.50	3
Co			1	0.009	ug/l	9.54	198.00	7.552E-04	Pulse	0.50	3
Ni			1	0.019	ug/l	24.15	212.67	8.122E-04	Pulse	0.50	3
Cu			1	-0.272	ug/l	-43.75	13,579.53	5.173E-02	Pulse	0.50	3
Zn			1	8.839	ug/l	12.01	15,462.89	5.910E-02	Pulse	1.00	3
Cd			1	0.002	ug/l	105.65	5.33	2.818E-06	Pulse	0.50	3
Al			1	-3.285	ug/l	-7.60	242.00	1.297E-04	Pulse	1.00	3
Se			1	-0.010	ug/l	-1195.41	43.33	1.657E-04	Pulse	3.00	3
Sb			1	0.984	ug/l	7.64	5,275.77	2.821E-03	Pulse	1.00	3
Se			1	-0.582	ug/l	-108.58	43.89	3.281E-03	Pulse	3.00	3

Quantitation Report

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,752,811.17	5.46	92.0	Pulse	0.50	3
1	Sc		262,064.89	2.79	111.9	Pulse	0.30	3
1	Ge		215,833.81	5.58	107.1	Pulse	0.30	3
1	In		1,868,806.59	3.68	99.2	Pulse	0.30	3
1	Tb		6,989,783.67	3.28	98.0	Analog	0.50	3
1	Lu		3,940,451.33	3.35	92.3	Pulse	0.50	3
1	Ge		326,509.80	5.53	107.3	Pulse	0.30	3
1	Te		13,463.67	3.99	89.2	Pulse	0.50	3
1	Li		661.12	2.59	88.4	Pulse	0.30	3

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Quantitation Report

File Name 027_BSP.d
File Path C:\Agilent\ICPMH\1\DATA\wa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 10:38
Sample Name MP33365-B1
Sample Type BSP
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step **Tune File**
 1

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	203.242	ug/l	5.54	1,494,918.46	5.738E+00	Pulse	0.50	3
As			1	199.914	ug/l	3.84	172,985.43	6.640E-01	Pulse	1.00	3
Mo			1	212.986	ug/l	5.72	938,483.77	5.231E-01	Pulse	0.50	3
Pb			1	197.973	ug/l	4.97	4,125,954.58	9.129E-01	Pulse	1.00	3
Be			1	211.548	ug/l	7.41	5,375.72	2.997E-03	Pulse	2.00	3
Ag			1	108.010	ug/l	4.49	1,584,892.25	8.833E-01	Pulse	0.50	3
Ba			1	218.772	ug/l	3.82	332,038.41	2.559E+01	Pulse	0.50	3
Tl			1	189.514	ug/l	5.41	5,860,465.83	1.297E+00	Pulse	0.50	3
Sn			1	222.631	ug/l	5.28	755,829.09	4.213E-01	Pulse	0.30	3
Sr			1	197.179	ug/l	5.95	705,213.59	3.931E-01	Pulse	0.50	3
[Pb]			1	193.563	ug/l	5.30	1,876,332.21	4.152E-01	Pulse	0.50	3
Ca			1	19268.883	ug/l	4.51	309,591.79	1.188E+00	Pulse	0.50	3
Ti			1	190.269	ug/l	2.99	27,517.35	1.056E-01	Pulse	0.50	3
Na			1	20471.113	ug/l	4.22	15,421,151.33	5.919E+01	Analog	1.00	3
Mg			1	19565.269	ug/l	4.21	6,362,090.00	2.442E+01	Analog	1.00	3
K			1	20364.304	ug/l	3.67	6,403,538.00	2.458E+01	Analog	1.00	3
V			1	204.024	ug/l	5.05	1,122,689.62	4.309E+00	Pulse	0.50	3
Mn			1	200.582	ug/l	4.30	633,395.06	2.431E+00	Pulse	0.50	3
Fe			1	19731.750	ug/l	5.09	111,364,482.67	4.274E+02	Analog	0.50	3
Co			1	201.188	ug/l	5.57	2,544,081.58	9.765E+00	Pulse	0.50	3
Ni			1	198.937	ug/l	4.66	698,062.11	2.679E+00	Pulse	0.50	3
Cu			1	199.267	ug/l	4.22	1,983,171.08	7.612E+00	Pulse	0.50	3
Zn			1	199.745	ug/l	4.50	252,737.95	9.701E-01	Pulse	1.00	3
Cd			1	202.145	ug/l	6.58	375,624.33	2.094E-01	Pulse	0.50	3
Al			1	19352.268	ug/l	5.98	1,665,544.87	9.284E-01	Pulse	1.00	3
Se			1	181.240	ug/l	3.64	8,310.25	3.190E-02	Pulse	3.00	3
Sb			1	196.192	ug/l	5.97	951,125.94	5.302E-01	Pulse	1.00	3
Se			1	220.978	ug/l	4.47	4,183.69	3.224E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,519,752.00	0.41	87.5	Pulse	0.50	3
1	Sc		260,503.48	0.41	111.2	Pulse	0.30	3
1	Ge		245,469.09	22.88	121.9	Pulse	0.30	3
1	In		1,794,916.74	1.21	95.2	Pulse	0.30	3
1	Tb		6,906,426.33	1.58	96.9	Analog	0.50	3
1	Lu		3,887,865.58	0.48	91.1	Pulse	0.50	3

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Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Ge		368,375.56	22.62	121.1	Pulse	0.30	3
1	Te		12,978.65	0.72	86.0	Pulse	0.50	3
1	Li		670.01	7.77	89.6	Pulse	0.30	3

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Quantitation Report

File Name 028_BSP.d
File Path C:\Agilent\ICPMH\1\DATA\wa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 10:42
Sample Name MP33365-B2
Sample Type BSP
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step **Tune File**
 1

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	211.826	ug/l	7.64	1,560,665.79	5.980E+00	Pulse	0.50	3
As			1	210.018	ug/l	6.77	182,069.14	6.975E-01	Pulse	1.00	3
Mo			1	222.007	ug/l	6.29	986,938.98	5.452E-01	Pulse	0.50	3
Pb			1	209.923	ug/l	5.77	4,355,246.25	9.680E-01	Pulse	1.00	3
Be			1	223.159	ug/l	5.31	5,722.14	3.161E-03	Pulse	2.00	3
Ag			1	111.749	ug/l	5.28	1,654,349.08	9.139E-01	Pulse	0.50	3
Ba			1	226.912	ug/l	6.37	348,093.40	2.654E+01	Pulse	0.50	3
Tl			1	206.044	ug/l	6.33	6,342,751.17	1.410E+00	Mix	0.50	3
Sn			1	232.389	ug/l	5.80	795,937.83	4.397E-01	Pulse	0.30	3
Sr			1	205.475	ug/l	7.15	741,336.66	4.096E-01	Pulse	0.50	3
[Pb]			1	206.521	ug/l	4.80	1,993,045.92	4.430E-01	Pulse	0.50	3
Ca			1	20501.713	ug/l	5.90	330,039.16	1.264E+00	Pulse	0.50	3
Ti			1	202.229	ug/l	6.81	29,301.98	1.123E-01	Pulse	0.50	3
Na			1	21578.083	ug/l	6.04	16,286,333.67	6.239E+01	Analog	1.00	3
Mg			1	20794.313	ug/l	7.08	6,774,156.33	2.595E+01	Analog	1.00	3
K			1	21537.628	ug/l	6.18	6,784,039.50	2.599E+01	Analog	1.00	3
V			1	216.035	ug/l	7.34	1,190,859.55	4.563E+00	Pulse	0.50	3
Mn			1	209.492	ug/l	8.20	662,670.19	2.539E+00	Pulse	0.50	3
Fe			1	21064.873	ug/l	6.63	119,109,637.33	4.563E+02	Analog	0.50	3
Co			1	208.793	ug/l	6.60	2,645,292.75	1.013E+01	Pulse	0.50	3
Ni			1	210.173	ug/l	7.71	738,762.69	2.831E+00	Pulse	0.50	3
Cu			1	211.550	ug/l	6.56	2,108,430.75	8.077E+00	Pulse	0.50	3
Zn			1	207.831	ug/l	6.57	263,296.05	1.009E+00	Pulse	1.00	3
Cd			1	210.833	ug/l	6.94	395,255.47	2.184E-01	Pulse	0.50	3
Al			1	20477.261	ug/l	6.87	1,778,020.67	9.823E-01	Pulse	1.00	3
Se			1	193.147	ug/l	5.41	8,871.84	3.398E-02	Pulse	3.00	3
Sb			1	203.545	ug/l	5.86	995,605.39	5.500E-01	Pulse	1.00	3
Se			1	230.759	ug/l	4.61	4,414.74	3.365E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,499,832.00	0.51	87.1	Pulse	0.50	3
1	Sc		261,254.58	2.04	111.5	Pulse	0.30	3
1	Ge		244,274.23	21.47	121.3	Pulse	0.30	3
1	In		1,811,032.22	1.37	96.1	Pulse	0.30	3
1	Tb		7,032,858.33	1.32	98.6	Analog	0.50	3
1	Lu		3,905,244.17	1.77	91.5	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Ge		366,516.44	21.17	120.5	Pulse	0.30	3
1	Te		13,125.42	2.29	87.0	Pulse	0.50	3
1	Li		746.69	11.19	99.9	Pulse	0.30	3

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Quantitation Report

File Name 029CCVA.d
File Path C:\Agilent\ICPMH\1\DATA\sa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 10:47
Sample Name CCV (Ag)
Sample Type CCV_Ag
Comment =std 4
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	42.709	ug/l	10.16	664,199.00	2.415E+00	Pulse	0.50	3
As			1	42.490	ug/l	8.81	77,643.81	2.823E-01	Pulse	1.00	3
Mo			1	44.990	ug/l	10.96	419,988.66	2.210E-01	Pulse	0.50	3
Pb			1	43.495	ug/l	9.42	1,869,009.00	4.013E-01	Pulse	1.00	3
Be			1	46.119	ug/l	8.91	2,484.82	1.308E-03	Pulse	2.00	3
Ag			1	46.415	ug/l	8.14	1,442,622.62	7.592E-01	Pulse	0.50	3
Ba			1	42.361	ug/l	9.13	147,109.86	9.909E+00	Pulse	0.50	3
Tl			1	45.212	ug/l	6.81	2,882,385.42	6.187E-01	Pulse	0.50	3
Sn			1	42.882	ug/l	12.22	308,652.78	1.624E-01	Pulse	0.30	3
Sr			1	45.888	ug/l	11.73	348,022.68	1.832E-01	Pulse	0.50	3
[Pb]			1	44.085	ug/l	11.14	881,232.91	1.892E-01	Pulse	0.50	3
Ca			1	4445.644	ug/l	10.51	151,000.68	5.490E-01	Pulse	0.50	3
Ti			1	43.150	ug/l	10.11	13,176.51	4.792E-02	Pulse	0.50	3
Na			1	4710.650	ug/l	7.50	7,502,923.00	2.728E+01	Analog	1.00	3
Mg			1	4301.635	ug/l	10.14	2,953,310.83	1.074E+01	Pulse	1.00	3
K			1	4674.408	ug/l	6.47	3,119,601.42	1.134E+01	Pulse	1.00	3
V			1	43.209	ug/l	8.58	502,254.67	1.826E+00	Pulse	0.50	3
Mn			1	42.718	ug/l	10.12	284,853.18	1.036E+00	Pulse	0.50	3
Fe			1	4409.391	ug/l	9.56	52,540,150.67	1.911E+02	Analog	0.50	3
Co			1	43.435	ug/l	9.75	1,159,636.06	4.217E+00	Pulse	0.50	3
Ni			1	43.120	ug/l	9.79	319,507.78	1.162E+00	Pulse	0.50	3
Cu			1	43.487	ug/l	8.84	923,305.21	3.357E+00	Pulse	0.50	3
Zn			1	41.982	ug/l	9.63	114,839.54	4.176E-01	Pulse	1.00	3
Cd			1	43.748	ug/l	9.35	172,211.09	9.063E-02	Pulse	0.50	3
Al			1	4604.900	ug/l	11.01	839,864.04	4.420E-01	Pulse	1.00	3
Se			1	42.128	ug/l	7.76	4,102.45	1.492E-02	Pulse	3.00	3
Sb			1	42.535	ug/l	11.18	436,993.54	2.300E-01	Pulse	1.00	3
Se			1	46.344	ug/l	9.66	2,042.89	1.376E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,656,597.00	1.73	90.2	Pulse	0.50	3
1	Sc		274,814.47	1.47	117.3	Pulse	0.30	3
1	Ge		254,044.22	17.68	126.1	Pulse	0.30	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	In		1,900,267.91	1.07	100.8	Pulse	0.30	3
1	Tb		7,097,056.17	2.80	99.5	Analog	0.50	3
1	Lu		3,932,334.92	0.58	92.1	Pulse	0.50	3
1	Ge		377,081.69	17.86	123.9	Pulse	0.30	3
1	Te		14,832.74	2.57	98.3	Pulse	0.50	3
1	Li		718.91	7.71	96.1	Pulse	0.30	3

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Quantitation Report

File Name 030_CCV.d
File Path C:\Agilent\ICPMH\1\DATA\022218m1.b
Method File
Method Path
Acq Time 2/22/2018 10:52
Sample Name CCV
Sample Type CCV
Comment =std 5
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step **Tune File**
 1

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	94.308	ug/l	8.03	1,424,528.92	5.325E+00	Pulse	0.50	3
As			1	94.283	ug/l	7.86	167,524.29	6.263E-01	Pulse	1.00	3
Mo			1	97.217	ug/l	6.28	904,353.02	4.775E-01	Pulse	0.50	3
Pb			1	94.942	ug/l	5.74	3,982,753.17	8.756E-01	Pulse	1.00	3
Be			1	99.398	ug/l	6.27	5,333.54	2.816E-03	Pulse	2.00	3
Ag			1	96.743	ug/l	6.45	2,996,501.50	1.582E+00	Pulse	0.50	3
Ba			1	92.389	ug/l	5.80	316,312.40	2.161E+01	Pulse	0.50	3
Tl			1	98.364	ug/l	7.44	6,122,540.67	1.346E+00	Mix	0.50	3
Sn			1	91.922	ug/l	7.21	658,874.24	3.479E-01	Pulse	0.30	3
Sr			1	96.841	ug/l	5.79	731,218.17	3.861E-01	Pulse	0.50	3
[Pb]			1	95.654	ug/l	4.68	1,866,363.09	4.103E-01	Pulse	0.50	3
Ca			1	9583.674	ug/l	7.74	316,185.33	1.182E+00	Pulse	0.50	3
Ti			1	93.216	ug/l	7.90	27,683.65	1.035E-01	Pulse	0.50	3
Na			1	10115.305	ug/l	7.02	15,650,111.33	5.850E+01	Analog	1.00	3
Mg			1	9748.655	ug/l	7.93	6,509,183.83	2.434E+01	Analog	1.00	3
K			1	10299.012	ug/l	6.04	6,651,485.17	2.486E+01	Analog	1.00	3
V			1	94.993	ug/l	7.74	1,073,371.52	4.013E+00	Pulse	0.50	3
Mn			1	94.597	ug/l	8.95	613,274.25	2.293E+00	Pulse	0.50	3
Fe			1	9581.964	ug/l	7.31	111,057,704.00	4.151E+02	Analog	0.50	3
Co			1	95.313	ug/l	8.51	2,474,506.50	9.252E+00	Pulse	0.50	3
Ni			1	92.767	ug/l	7.77	668,454.17	2.499E+00	Pulse	0.50	3
Cu			1	93.577	ug/l	8.72	1,913,108.55	7.153E+00	Pulse	0.50	3
Zn			1	92.320	ug/l	7.09	240,236.29	8.980E-01	Pulse	1.00	3
Cd			1	94.156	ug/l	5.95	369,373.03	1.951E-01	Pulse	0.50	3
Al			1	9913.450	ug/l	5.77	1,801,212.67	9.511E-01	Pulse	1.00	3
Se			1	92.117	ug/l	7.27	8,673.31	3.242E-02	Pulse	3.00	3
Sb			1	92.762	ug/l	5.98	949,410.94	5.013E-01	Pulse	1.00	3
Se			1	100.695	ug/l	3.77	4,305.27	2.942E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,548,350.33	0.12	88.1	Pulse	0.50	3
1	Sc		267,785.58	2.34	114.3	Pulse	0.30	3
1	Ge		217,317.10	2.01	107.9	Pulse	0.30	3
1	In		1,894,033.12	0.66	100.5	Pulse	0.30	3
1	Tb		7,055,383.33	1.30	98.9	Analog	0.50	3
1	Lu		3,979,154.33	1.80	93.2	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Ge		327,639.33	1.18	107.7	Pulse	0.30	3
1	Te		14,630.54	1.23	97.0	Pulse	0.50	3
1	Li		706.68	2.87	94.5	Pulse	0.30	3

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Quantitation Report

File Name 031_CCB.d
File Path C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 10:56
Sample Name CCB
Sample Type CCB
Comment
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.029	ug/l	46.98	2,182.80	8.045E-03	Pulse	0.50	3
As			1	0.005	ug/l	184.33	56.67	2.091E-04	Pulse	1.00	3
Mo			1	0.096	ug/l	44.70	931.36	4.903E-04	Pulse	0.50	3
Pb			1	0.040	ug/l	47.01	2,724.24	5.703E-04	Pulse	1.00	3
Be			1	-0.032	ug/l	-57.99	1.50	7.899E-07	Pulse	2.00	3
Ag			1	0.025	ug/l	43.39	822.69	4.331E-04	Pulse	0.50	3
Ba			1	0.011	ug/l	53.50	54.00	3.559E-03	Pulse	0.50	3
Tl			1	0.108	ug/l	11.83	7,137.55	1.495E-03	Pulse	0.50	3
Sn			1	0.142	ug/l	25.21	1,440.08	7.589E-04	Pulse	0.30	3
Sr			1	0.014	ug/l	130.78	798.69	4.209E-04	Pulse	0.50	3
[Pb]			1	0.040	ug/l	43.14	1,279.39	2.679E-04	Pulse	0.50	3
Ca			1	0.528	ug/l	682.77	359.34	1.325E-03	Pulse	0.50	3
Ti			1	0.046	ug/l	66.30	20.67	7.632E-05	Pulse	0.50	3
Na			1	15.029	ug/l	43.75	44,945.56	1.657E-01	Pulse	1.00	3
Mg			1	2.992	ug/l	90.18	2,192.57	8.103E-03	Pulse	1.00	3
K			1	6.571	ug/l	54.79	34,861.09	1.285E-01	Pulse	1.00	3
V			1	-0.001	ug/l	-1794.89	466.01	1.718E-03	Pulse	0.50	3
Mn			1	0.048	ug/l	19.93	418.68	1.543E-03	Pulse	0.50	3
Fe			1	3.961	ug/l	82.07	51,325.35	1.896E-01	Pulse	0.50	3
Co			1	0.010	ug/l	90.61	350.67	1.296E-03	Pulse	0.50	3
Ni			1	0.004	ug/l	313.86	177.33	6.549E-04	Pulse	0.50	3
Cu			1	-0.225	ug/l	-36.93	12,209.29	4.500E-02	Pulse	0.50	3
Zn			1	-1.286	ug/l	-8.96	1,260.05	4.645E-03	Pulse	1.00	3
Cd			1	0.010	ug/l	67.61	41.33	2.173E-05	Pulse	0.50	3
Al			1	4.170	ug/l	59.25	1,305.05	6.872E-04	Pulse	1.00	3
Se			1	-0.022	ug/l	-207.04	43.34	1.597E-04	Pulse	3.00	3
Sb			1	0.132	ug/l	41.25	1,657.08	8.726E-04	Pulse	1.00	3
Se			1	0.102	ug/l	812.48	66.78	4.414E-03	Pulse	3.00	3

Quantitation Report

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,772,463.67	0.58	92.4	Pulse	0.50	3
1	Sc		271,492.56	1.31	115.9	Pulse	0.30	3
1	Ge		218,281.02	3.04	108.4	Pulse	0.30	3
1	In		1,896,201.87	0.68	100.6	Pulse	0.30	3
1	Tb		7,134,830.33	1.39	100.1	Analog	0.50	3
1	Lu		3,925,805.33	0.87	91.9	Pulse	0.50	3
1	Ge		329,020.36	1.15	108.1	Pulse	0.30	3
1	Te		15,227.71	1.80	100.9	Pulse	0.50	3
1	Li		660.01	21.38	88.3	Pulse	0.30	3

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Quantitation Report

File Name 032SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\sa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 11:01
Sample Name FA51184-1C
Sample Type Sample
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	224.615	ug/l	1.74	1,634,990.71	6.341E+00	Pulse	0.50	3
As			1	96.658	ug/l	1.28	82,807.77	3.211E-01	Pulse	1.00	3
Mo			1	187.215	ug/l	1.14	828,891.71	4.598E-01	Pulse	0.50	3
Pb			1	135.244	ug/l	0.76	2,868,605.17	6.237E-01	Pulse	1.00	3
Be			1	362.932	ug/l	2.42	9,264.61	5.140E-03	Pulse	2.00	3
Ag			1	981.734	ug/l	1.15	14,473,596.67	8.028E+00	Analog	0.50	3
Ba			1	1803.711	ug/l	2.94	2,780,449.08	2.109E+02	Pulse	0.50	3
Tl			1	483.968	ug/l	1.97	15,231,552.33	3.312E+00	Analog	0.50	3
Sn			1	1.833	ug/l	17.92	6,649.55	3.689E-03	Pulse	0.30	3
Sr			1	430.399	ug/l	1.28	1,545,955.04	8.576E-01	Pulse	0.50	3
[Pb]			1	139.229	ug/l	0.78	1,373,597.62	2.987E-01	Pulse	0.50	3
Ca			1	2173.531	ug/l	1.89	34,856.38	1.352E-01	Pulse	0.50	3
Ti			1	0.466	ug/l	27.01	73.33	2.840E-04	Pulse	0.50	3
Na			1	82.110	ug/l	39.82	81,459.68	3.160E-01	Pulse	1.00	3
Mg			1	11.565	ug/l	119.43	3,879.01	1.507E-02	Pulse	1.00	3
K			1	26.956	ug/l	51.91	37,397.20	1.450E-01	Pulse	1.00	3
V			1	669.065	ug/l	1.58	3,643,028.42	1.413E+01	Pulse	0.50	3
Mn			1	260.860	ug/l	0.86	815,304.19	3.162E+00	Pulse	0.50	3
Fe			1	1957.852	ug/l	1.84	10,940,456.33	4.243E+01	Analog	0.50	3
Co			1	895.877	ug/l	1.59	11,212,755.67	4.348E+01	Analog	0.50	3
Ni			1	914.389	ug/l	0.66	3,175,535.67	1.231E+01	Pulse	0.50	3
Cu			1	639.275	ug/l	1.58	6,261,753.67	2.428E+01	Analog	0.50	3
Zn			1	560.064	ug/l	0.67	693,567.08	2.690E+00	Pulse	1.00	3
Cd			1	441.644	ug/l	1.36	824,635.60	4.575E-01	Pulse	0.50	3
Al			1	3883.638	ug/l	0.75	336,279.34	1.865E-01	Pulse	1.00	3
Se			1	649.076	ug/l	0.77	29,347.44	1.138E-01	Pulse	3.00	3
Sb			1	577.693	ug/l	1.21	2,813,524.75	1.561E+00	Pulse	1.00	3
Se			1	758.686	ug/l	1.26	14,460.59	1.097E+00	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,599,233.00	0.58	89.1	Pulse	0.50	3
1	Sc		257,885.43	1.09	110.1	Pulse	0.30	3
1	Ge		212,366.50	3.86	105.4	Pulse	0.30	3

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Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	In		1,802,836.52	1.10	95.7	Pulse	0.30	3
1	Tb		7,021,834.50	0.24	98.5	Analog	0.50	3
1	Lu		3,836,554.08	1.66	89.9	Pulse	0.50	3
1	Ge		325,824.00	2.95	107.1	Pulse	0.30	3
1	Te		13,185.46	1.63	87.4	Pulse	0.50	3
1	Li		646.68	9.79	86.5	Pulse	0.30	3

Quantitation Report

File Name 033SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\14702218m1.b
Method File
Method Path
Acq Time 2/22/2018 11:06
Sample Name FA51184-3C
Sample Type Sample
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.407	ug/l	6.53	4,647.91	1.786E-02	Pulse	0.50	3
As			1	0.294	ug/l	17.52	300.00	1.152E-03	Pulse	1.00	3
Mo			1	0.972	ug/l	18.30	4,552.59	2.407E-03	Pulse	0.50	3
Pb			1	0.351	ug/l	21.18	8,376.45	1.817E-03	Pulse	1.00	3
Be			1	-0.044	ug/l	-193.16	2.00	1.063E-06	Pulse	2.00	3
Ag			1	0.246	ug/l	26.80	3,843.11	2.032E-03	Pulse	0.50	3
Ba			1	0.190	ug/l	41.13	306.00	2.330E-02	Pulse	0.50	3
Tl			1	1.043	ug/l	7.61	33,034.48	7.156E-03	Pulse	0.50	3
Sn			1	1470.659	ug/l	0.91	5,265,376.18	2.782E+00	Pulse	0.30	3
Sr			1	0.132	ug/l	100.35	1,182.72	6.255E-04	Pulse	0.50	3
[Pb]			1	0.353	ug/l	18.89	3,930.48	8.524E-04	Pulse	0.50	3
Ca			1	18.912	ug/l	82.44	632.68	2.425E-03	Pulse	0.50	3
Ti			1	143.258	ug/l	2.15	20,690.98	7.953E-02	Pulse	0.50	3
Na			1	124.311	ug/l	25.22	114,088.72	4.379E-01	Pulse	1.00	3
Mg			1	12.181	ug/l	111.84	4,149.34	1.584E-02	Pulse	1.00	3
K			1	39.823	ug/l	27.68	41,785.02	1.605E-01	Pulse	1.00	3
V			1	0.227	ug/l	15.91	1,703.42	6.542E-03	Pulse	0.50	3
Mn			1	0.192	ug/l	23.56	702.68	2.697E-03	Pulse	0.50	3
Fe			1	10.183	ug/l	102.85	62,462.26	2.386E-01	Pulse	0.50	3
Co			1	0.138	ug/l	47.21	1,835.45	7.034E-03	Pulse	0.50	3
Ni			1	0.452	ug/l	15.30	1,730.09	6.643E-03	Pulse	0.50	3
Cu			1	9.050	ug/l	2.19	105,349.07	4.049E-01	Pulse	0.50	3
Zn			1	14.812	ug/l	2.19	22,790.79	8.760E-02	Pulse	1.00	3
Cd			1	0.040	ug/l	111.09	78.00	4.137E-05	Pulse	0.50	3
Al			1	47.441	ug/l	22.15	4,847.62	2.562E-03	Pulse	1.00	3
Se			1	3.227	ug/l	4.77	190.55	7.325E-04	Pulse	3.00	3
Sb			1	1.071	ug/l	8.93	5,778.92	3.054E-03	Pulse	1.00	3
Se			1	3.218	ug/l	6.07	113.89	8.755E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,615,811.67	0.98	89.4	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Sc		260,189.86	0.99	111.1	Pulse	0.30	3
1	Ge		252,703.08	24.92	125.4	Pulse	0.30	3
1	In		1,893,102.56	1.34	100.5	Pulse	0.30	3
1	Tb		7,057,894.50	0.98	99.0	Analog	0.50	3
1	Lu		3,815,985.00	0.51	89.4	Pulse	0.50	3
1	Ge		381,521.58	23.81	125.4	Pulse	0.30	3
1	Te		13,015.35	3.41	86.3	Pulse	0.50	3
1	Li		700.02	9.29	93.6	Pulse	0.30	3

Quantitation Report

File Name 034SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 11:10
Sample Name FA51184-4C
Sample Type Sample
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.364	ug/l	16.79	4,436.52	1.666E-02	Pulse	0.50	3
As			1	0.125	ug/l	24.39	157.33	5.908E-04	Pulse	1.00	3
Mo			1	0.165	ug/l	103.24	776.03	4.260E-04	Pulse	0.50	3
Pb			1	0.077	ug/l	62.33	2,518.56	5.559E-04	Pulse	1.00	3
Be			1	-0.009	ug/l	-565.26	2.83	1.571E-06	Pulse	2.00	3
Ag			1	0.111	ug/l	37.78	1,675.43	9.266E-04	Pulse	0.50	3
Ba			1	0.913	ug/l	1.82	1,434.73	1.078E-01	Pulse	0.50	3
Tl			1	0.196	ug/l	7.74	6,165.16	1.363E-03	Pulse	0.50	3
Sn			1	1.297	ug/l	16.68	4,825.13	2.675E-03	Pulse	0.30	3
Sr			1	12.382	ug/l	5.32	45,010.92	2.502E-02	Pulse	0.50	3
[Pb]			1	0.084	ug/l	69.41	1,246.73	2.751E-04	Pulse	0.50	3
Ca			1	25426.728	ug/l	5.43	417,318.93	1.568E+00	Pulse	0.50	3
Ti			1	1.993	ug/l	12.30	301.33	1.131E-03	Pulse	0.50	3
Na			1	215.442	ug/l	10.67	186,680.01	7.010E-01	Pulse	1.00	3
Mg			1	14049.118	ug/l	7.83	4,667,465.00	1.754E+01	Mix	1.00	3
K			1	19.526	ug/l	65.21	36,248.59	1.361E-01	Pulse	1.00	3
V			1	0.431	ug/l	7.92	2,890.89	1.086E-02	Pulse	0.50	3
Mn			1	0.336	ug/l	10.23	1,183.37	4.445E-03	Pulse	0.50	3
Fe			1	26.838	ug/l	33.84	159,692.74	5.994E-01	Pulse	0.50	3
Co			1	0.057	ug/l	97.11	829.37	3.109E-03	Pulse	0.50	3
Ni			1	0.072	ug/l	107.83	406.01	1.522E-03	Pulse	0.50	3
Cu			1	-0.698	ug/l	-25.02	9,479.09	3.559E-02	Pulse	0.50	3
Zn			1	14.474	ug/l	5.30	22,891.24	8.599E-02	Pulse	1.00	3
Cd			1	0.036	ug/l	102.51	68.00	3.730E-05	Pulse	0.50	3
Al			1	29.790	ug/l	30.82	3,098.27	1.716E-03	Pulse	1.00	3
Se			1	0.101	ug/l	269.24	49.34	1.851E-04	Pulse	3.00	3
Sb			1	0.508	ug/l	6.69	2,763.88	1.534E-03	Pulse	1.00	3
Se			1	-0.118	ug/l	-366.86	52.56	3.949E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,520,710.00	0.92	87.5	Pulse	0.50	3
1	Sc		266,226.99	0.59	113.6	Pulse	0.30	3
1	Ge		239,915.80	18.18	119.1	Pulse	0.30	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	In		1,799,994.51	2.06	95.5	Pulse	0.30	3
1	Tb		7,109,711.17	1.72	99.7	Analog	0.50	3
1	Lu		3,841,114.75	0.92	90.0	Pulse	0.50	3
1	Ge		363,629.56	17.71	119.5	Pulse	0.30	3
1	Te		13,302.20	2.81	88.2	Pulse	0.50	3
1	Li		761.13	13.61	101.8	Pulse	0.30	3

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Quantitation Report

File Name 035SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\wa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 11:15
Sample Name FA51184-5C
Sample Type Sample
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step **Tune File**
 1

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.293	ug/l	12.47	3,786.38	1.465E-02	Pulse	0.50	3
As			1	0.102	ug/l	48.64	133.00	5.136E-04	Pulse	1.00	3
Mo			1	0.144	ug/l	119.85	677.37	3.726E-04	Pulse	0.50	3
Pb			1	0.044	ug/l	132.94	1,796.81	4.021E-04	Pulse	1.00	3
Be			1	-0.048	ug/l	-101.51	1.83	1.010E-06	Pulse	2.00	3
Ag			1	0.090	ug/l	47.50	1,370.74	7.547E-04	Pulse	0.50	3
Ba			1	0.087	ug/l	84.68	146.00	1.119E-02	Pulse	0.50	3
Tl			1	0.107	ug/l	28.98	3,388.38	7.566E-04	Pulse	0.50	3
Sn			1	1.190	ug/l	15.83	4,487.93	2.473E-03	Pulse	0.30	3
Sr			1	0.243	ug/l	54.93	1,540.08	8.482E-04	Pulse	0.50	3
[Pb]			1	0.042	ug/l	157.57	828.04	1.854E-04	Pulse	0.50	3
Ca			1	20.463	ug/l	86.55	653.35	2.521E-03	Pulse	0.50	3
Ti			1	0.209	ug/l	77.33	36.67	1.413E-04	Pulse	0.50	3
Na			1	64080.746	ug/l	3.76	47,815,733.33	1.851E+02	Analog	1.00	3
Mg			1	11.225	ug/l	132.74	3,818.39	1.464E-02	Pulse	1.00	3
K			1	35657.569	ug/l	3.50	11,094,587.33	4.295E+01	Analog	1.00	3
V			1	0.222	ug/l	17.88	1,665.41	6.440E-03	Pulse	0.50	3
Mn			1	0.085	ug/l	69.41	362.67	1.398E-03	Pulse	0.50	3
Fe			1	16.320	ug/l	61.82	96,404.02	3.715E-01	Pulse	0.50	3
Co			1	0.051	ug/l	114.10	733.37	2.818E-03	Pulse	0.50	3
Ni			1	0.053	ug/l	134.07	332.00	1.278E-03	Pulse	0.50	3
Cu			1	-0.817	ug/l	-12.40	8,037.09	3.108E-02	Pulse	0.50	3
Zn			1	10.042	ug/l	2.19	16,749.28	6.484E-02	Pulse	1.00	3
Cd			1	0.038	ug/l	141.24	72.67	3.994E-05	Pulse	0.50	3
Al			1	4.702	ug/l	236.79	932.05	5.128E-04	Pulse	1.00	3
Se			1	0.012	ug/l	1499.99	43.89	1.696E-04	Pulse	3.00	3
Sb			1	0.465	ug/l	11.13	2,573.19	1.417E-03	Pulse	1.00	3
Se			1	-0.425	ug/l	-53.17	45.45	3.508E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,488,300.67	1.34	86.9	Pulse	0.50	3
1	Sc		258,360.83	1.13	110.3	Pulse	0.30	3
1	Ge		256,074.27	24.68	127.1	Pulse	0.30	3
1	In		1,815,180.62	0.37	96.3	Pulse	0.30	3
1	Tb		7,028,465.67	1.86	98.6	Analog	0.50	3
1	Lu		3,861,396.08	2.12	90.4	Pulse	0.50	3

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Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Ge		390,270.56	25.70	128.3	Pulse	0.30	3
1	Te		12,943.31	1.50	85.8	Pulse	0.50	3
1	Li		656.68	4.65	87.8	Pulse	0.30	3

Quantitation Report

File Name 036_MB.d
File Path C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 11:19
Sample Name MP33363-MB1
Sample Type MB
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.249	ug/l	3.57	3,545.67	1.341E-02	Pulse	0.50	3
As			1	0.089	ug/l	48.22	124.33	4.706E-04	Pulse	1.00	3
Mo			1	0.115	ug/l	121.21	558.69	3.033E-04	Pulse	0.50	3
Pb			1	0.048	ug/l	90.34	1,929.47	4.216E-04	Pulse	1.00	3
Be			1	-0.056	ug/l	-79.66	1.67	9.056E-07	Pulse	2.00	3
Ag			1	0.074	ug/l	50.51	1,144.72	6.221E-04	Pulse	0.50	3
Ba			1	0.076	ug/l	68.36	132.00	9.904E-03	Pulse	0.50	3
Tl			1	0.076	ug/l	39.01	2,474.22	5.407E-04	Pulse	0.50	3
Sn			1	0.750	ug/l	23.38	3,020.90	1.641E-03	Pulse	0.30	3
Sr			1	0.088	ug/l	117.77	993.37	5.398E-04	Pulse	0.50	3
[Pb]			1	0.051	ug/l	98.34	933.37	2.040E-04	Pulse	0.50	3
Ca			1	17.841	ug/l	86.33	623.35	2.359E-03	Pulse	0.50	3
Ti			1	0.181	ug/l	22.70	33.33	1.261E-04	Pulse	0.50	3
Na			1	46.342	ug/l	60.19	56,207.08	2.127E-01	Pulse	1.00	3
Mg			1	9.290	ug/l	118.15	3,228.28	1.223E-02	Pulse	1.00	3
K			1	20.695	ug/l	59.66	36,346.38	1.375E-01	Pulse	1.00	3
V			1	0.251	ug/l	16.70	1,860.77	7.041E-03	Pulse	0.50	3
Mn			1	0.094	ug/l	47.27	398.67	1.509E-03	Pulse	0.50	3
Fe			1	7.705	ug/l	104.78	48,820.27	1.849E-01	Pulse	0.50	3
Co			1	0.048	ug/l	98.46	698.69	2.646E-03	Pulse	0.50	3
Ni			1	0.057	ug/l	82.17	349.34	1.322E-03	Pulse	0.50	3
Cu			1	-0.213	ug/l	-86.64	14,268.05	5.399E-02	Pulse	0.50	3
Zn			1	5.614	ug/l	3.78	11,552.47	4.371E-02	Pulse	1.00	3
Cd			1	0.031	ug/l	124.27	60.67	3.293E-05	Pulse	0.50	3
Al			1	2.864	ug/l	285.87	782.03	4.246E-04	Pulse	1.00	3
Se			1	0.097	ug/l	54.80	48.78	1.846E-04	Pulse	3.00	3
Sb			1	0.417	ug/l	5.50	2,368.82	1.288E-03	Pulse	1.00	3
Se			1	-0.543	ug/l	-53.70	44.22	3.337E-03	Pulse	3.00	3

Quantitation Report

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,581,994.50	0.70	88.7	Pulse	0.50	3
1	Sc		264,319.25	0.21	112.8	Pulse	0.30	3
1	Ge		250,433.11	19.31	124.3	Pulse	0.30	3
1	In		1,839,256.80	0.60	97.6	Pulse	0.30	3
1	Tb		6,983,941.00	2.04	97.9	Analog	0.50	3
1	Lu		3,822,218.83	0.81	89.5	Pulse	0.50	3
1	Ge		378,500.39	20.17	124.4	Pulse	0.30	3
1	Te		13,262.86	2.02	87.9	Pulse	0.50	3
1	Li		663.35	2.30	88.7	Pulse	0.30	3

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Quantitation Report

File Name 037_BSP.d
File Path C:\Agilent\ICPMH\1\DATA\wa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 11:24
Sample Name MP33363-B1
Sample Type BSP
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step **Tune File**
 1

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	192.735	ug/l	7.10	1,413,359.29	5.442E+00	Pulse	0.50	3
As			1	194.086	ug/l	7.38	167,428.59	6.446E-01	Pulse	1.00	3
Mo			1	209.048	ug/l	5.15	918,551.94	5.134E-01	Pulse	0.50	3
Pb			1	192.718	ug/l	6.74	3,916,100.67	8.887E-01	Pulse	1.00	3
Be			1	211.574	ug/l	4.43	5,361.88	2.997E-03	Pulse	2.00	3
Ag			1	103.034	ug/l	4.35	1,507,505.54	8.426E-01	Pulse	0.50	3
Ba			1	205.375	ug/l	3.88	316,980.55	2.402E+01	Pulse	0.50	3
Tl			1	188.458	ug/l	7.09	5,682,070.17	1.290E+00	Pulse	0.50	3
Sn			1	215.948	ug/l	4.71	731,061.06	4.086E-01	Pulse	0.30	3
Sr			1	190.268	ug/l	5.35	678,622.67	3.793E-01	Pulse	0.50	3
[Pb]			1	191.201	ug/l	6.64	1,807,231.17	4.101E-01	Pulse	0.50	3
Ca			1	19203.526	ug/l	7.10	307,622.84	1.184E+00	Pulse	0.50	3
Ti			1	186.560	ug/l	8.73	26,893.20	1.036E-01	Pulse	0.50	3
Na			1	20129.051	ug/l	6.89	15,118,815.33	5.821E+01	Analog	1.00	3
Mg			1	19378.912	ug/l	7.28	6,282,102.50	2.419E+01	Analog	1.00	3
K			1	20248.096	ug/l	6.78	6,348,130.17	2.444E+01	Analog	1.00	3
V			1	200.776	ug/l	7.75	1,101,392.02	4.241E+00	Pulse	0.50	3
Mn			1	193.521	ug/l	8.05	609,184.25	2.346E+00	Pulse	0.50	3
Fe			1	19681.846	ug/l	8.24	110,732,776.00	4.264E+02	Analog	0.50	3
Co			1	194.117	ug/l	6.45	2,447,430.17	9.422E+00	Pulse	0.50	3
Ni			1	194.237	ug/l	7.60	679,457.69	2.616E+00	Pulse	0.50	3
Cu			1	194.156	ug/l	7.70	1,926,656.67	7.418E+00	Pulse	0.50	3
Zn			1	192.507	ug/l	6.37	243,035.67	9.356E-01	Pulse	1.00	3
Cd			1	194.319	ug/l	6.42	360,086.72	2.013E-01	Pulse	0.50	3
Al			1	19139.682	ug/l	4.55	1,642,732.04	9.182E-01	Pulse	1.00	3
Se			1	178.606	ug/l	6.90	8,166.08	3.144E-02	Pulse	3.00	3
Sb			1	188.408	ug/l	4.24	910,878.31	5.091E-01	Pulse	1.00	3
Se			1	212.992	ug/l	3.14	4,102.11	3.109E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,409,518.50	1.53	85.4	Pulse	0.50	3
1	Sc		260,021.36	2.35	111.0	Pulse	0.30	3
1	Ge		248,789.75	26.84	123.5	Pulse	0.30	3
1	In		1,789,221.32	0.37	94.9	Pulse	0.30	3
1	Tb		6,866,428.83	0.59	96.3	Analog	0.50	3
1	Lu		3,723,971.17	0.59	87.2	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Ge		375,474.65	25.81	123.4	Pulse	0.30	3
1	Te		13,194.14	2.41	87.4	Pulse	0.50	3
1	Li		663.35	3.30	88.7	Pulse	0.30	3

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Quantitation Report

File Name 038SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\sa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 11:29
Sample Name FA51184-1B
Sample Type Sample
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	222.407	ug/l	3.20	1,648,611.04	6.278E+00	Pulse	0.50	3
As			1	98.232	ug/l	1.49	85,701.56	3.264E-01	Pulse	1.00	3
Mo			1	192.043	ug/l	3.39	858,567.96	4.717E-01	Pulse	0.50	3
Pb			1	136.231	ug/l	4.58	2,845,281.58	6.283E-01	Pulse	1.00	3
Be			1	368.134	ug/l	4.02	9,489.71	5.213E-03	Pulse	2.00	3
Ag			1	974.027	ug/l	3.04	14,500,391.00	7.965E+00	Analog	0.50	3
Ba			1	1825.348	ug/l	5.72	2,764,872.08	2.135E+02	Pulse	0.50	3
Tl			1	492.119	ug/l	4.59	15,248,767.00	3.367E+00	Analog	0.50	3
Sn			1	1.000	ug/l	16.42	3,850.09	2.113E-03	Pulse	0.30	3
Sr			1	423.871	ug/l	3.51	1,537,410.29	8.446E-01	Pulse	0.50	3
[Pb]			1	143.109	ug/l	5.32	1,390,007.46	3.070E-01	Pulse	0.50	3
Ca			1	2102.912	ug/l	1.09	34,354.24	1.308E-01	Pulse	0.50	3
Ti			1	0.329	ug/l	58.99	54.67	2.082E-04	Pulse	0.50	3
Na			1	85.891	ug/l	38.95	85,914.88	3.269E-01	Pulse	1.00	3
Mg			1	11.486	ug/l	124.21	3,941.69	1.497E-02	Pulse	1.00	3
K			1	25.965	ug/l	55.36	37,790.26	1.439E-01	Pulse	1.00	3
V			1	658.966	ug/l	1.16	3,654,083.75	1.391E+01	Pulse	0.50	3
Mn			1	260.081	ug/l	3.16	827,736.87	3.152E+00	Pulse	0.50	3
Fe			1	1932.398	ug/l	0.72	10,997,517.33	4.188E+01	Analog	0.50	3
Co			1	885.612	ug/l	1.84	11,287,633.00	4.298E+01	Analog	0.50	3
Ni			1	899.478	ug/l	2.00	3,180,819.67	1.211E+01	Pulse	0.50	3
Cu			1	633.002	ug/l	1.96	6,314,358.83	2.405E+01	Analog	0.50	3
Zn			1	559.352	ug/l	2.00	705,421.43	2.686E+00	Pulse	1.00	3
Cd			1	444.377	ug/l	4.26	837,779.25	4.603E-01	Pulse	0.50	3
Al			1	3801.967	ug/l	2.12	332,478.12	1.826E-01	Pulse	1.00	3
Se			1	646.564	ug/l	1.13	29,771.32	1.134E-01	Pulse	3.00	3
Sb			1	603.069	ug/l	3.58	2,965,790.17	1.629E+00	Pulse	1.00	3
Se			1	781.783	ug/l	4.35	14,641.95	1.130E+00	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,531,553.83	2.23	87.8	Pulse	0.50	3
1	Sc		262,617.05	0.73	112.1	Pulse	0.30	3
1	Ge		247,440.29	22.43	122.8	Pulse	0.30	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	In		1,821,107.70	1.95	96.6	Pulse	0.30	3
1	Tb		7,065,047.33	1.39	99.1	Analog	0.50	3
1	Lu		3,804,762.33	3.14	89.1	Pulse	0.50	3
1	Ge		372,953.35	23.00	122.6	Pulse	0.30	3
1	Te		12,969.31	3.54	86.0	Pulse	0.50	3
1	Li		652.24	1.56	87.2	Pulse	0.30	3

Quantitation Report

File Name 0395MPL.d
File Path C:\Agilent\ICPMH\1\DATA\14702218m1.b
Method File
Method Path
Acq Time 2/22/2018 11:33
Sample Name FA51184-3B
Sample Type Sample
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.407	ug/l	11.48	4,655.24	1.787E-02	Pulse	0.50	3
As			1	0.157	ug/l	25.24	181.67	6.963E-04	Pulse	1.00	3
Mo			1	0.578	ug/l	20.19	2,716.89	1.439E-03	Pulse	0.50	3
Pb			1	0.349	ug/l	15.89	8,233.38	1.810E-03	Pulse	1.00	3
Be			1	0.092	ug/l	92.71	5.67	2.996E-06	Pulse	2.00	3
Ag			1	0.278	ug/l	23.50	4,324.56	2.290E-03	Pulse	0.50	3
Ba			1	0.178	ug/l	52.69	286.67	2.191E-02	Pulse	0.50	3
Tl			1	1.102	ug/l	17.89	34,386.74	7.561E-03	Pulse	0.50	3
Sn			1	1498.018	ug/l	2.20	5,332,445.76	2.833E+00	Pulse	0.30	3
Sr			1	0.137	ug/l	82.71	1,204.05	6.366E-04	Pulse	0.50	3
[Pb]			1	0.347	ug/l	18.82	3,815.12	8.387E-04	Pulse	0.50	3
Ca			1	19.780	ug/l	71.67	648.02	2.479E-03	Pulse	0.50	3
Ti			1	143.051	ug/l	4.57	20,664.96	7.942E-02	Pulse	0.50	3
Na			1	123.342	ug/l	18.94	113,473.17	4.351E-01	Pulse	1.00	3
Mg			1	11.435	ug/l	102.66	3,925.86	1.491E-02	Pulse	1.00	3
K			1	39.933	ug/l	20.37	41,847.80	1.606E-01	Pulse	1.00	3
V			1	0.229	ug/l	29.46	1,719.42	6.588E-03	Pulse	0.50	3
Mn			1	0.627	ug/l	6.29	2,074.79	7.964E-03	Pulse	0.50	3
Fe			1	9.554	ug/l	86.64	59,118.99	2.250E-01	Pulse	0.50	3
Co			1	0.136	ug/l	46.79	1,810.11	6.917E-03	Pulse	0.50	3
Ni			1	0.448	ug/l	13.51	1,719.42	6.595E-03	Pulse	0.50	3
Cu			1	9.465	ug/l	2.43	109,480.15	4.206E-01	Pulse	0.50	3
Zn			1	11.770	ug/l	3.00	19,020.38	7.308E-02	Pulse	1.00	3
Cd			1	0.044	ug/l	88.35	86.67	4.551E-05	Pulse	0.50	3
Al			1	68.490	ug/l	27.60	6,746.57	3.572E-03	Pulse	1.00	3
Se			1	0.158	ug/l	48.66	50.78	1.952E-04	Pulse	3.00	3
Sb			1	0.536	ug/l	11.40	3,034.26	1.610E-03	Pulse	1.00	3
Se			1	-0.465	ug/l	-70.76	45.00	3.449E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,545,356.33	0.92	88.0	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Sc		260,320.23	1.79	111.1	Pulse	0.30	3
1	Ge		251,324.74	23.36	124.8	Pulse	0.30	3
1	In		1,882,593.75	2.03	99.9	Pulse	0.30	3
1	Tb		7,032,646.50	0.46	98.6	Analog	0.50	3
1	Lu		3,801,164.08	1.81	89.0	Pulse	0.50	3
1	Ge		373,870.04	23.62	122.9	Pulse	0.30	3
1	Te		13,037.35	1.05	86.4	Pulse	0.50	3
1	Li		705.57	6.38	94.4	Pulse	0.30	3

7.1

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Quantitation Report

File Name 040SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 11:38
Sample Name FA51184-4B
Sample Type Sample
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.367	ug/l	10.39	4,399.17	1.674E-02	Pulse	0.50	3
As			1	0.132	ug/l	12.55	161.67	6.153E-04	Pulse	1.00	3
Mo			1	0.139	ug/l	92.58	644.02	3.620E-04	Pulse	0.50	3
Pb			1	0.070	ug/l	58.92	2,347.19	5.212E-04	Pulse	1.00	3
Be			1	-0.027	ug/l	-277.98	2.33	1.308E-06	Pulse	2.00	3
Ag			1	0.082	ug/l	56.14	1,236.73	6.932E-04	Pulse	0.50	3
Ba			1	0.948	ug/l	7.10	1,492.07	1.119E-01	Pulse	0.50	3
Tl			1	0.222	ug/l	7.07	6,924.83	1.543E-03	Pulse	0.50	3
Sn			1	1.923	ug/l	18.42	6,900.31	3.858E-03	Pulse	0.30	3
Sr			1	12.873	ug/l	1.62	46,584.83	2.600E-02	Pulse	0.50	3
[Pb]			1	0.076	ug/l	48.28	1,165.38	2.590E-04	Pulse	0.50	3
Ca			1	26711.687	ug/l	2.65	432,903.36	1.647E+00	Pulse	0.50	3
Ti			1	2.056	ug/l	10.71	306.67	1.167E-03	Pulse	0.50	3
Na			1	214.289	ug/l	9.82	183,379.12	6.977E-01	Pulse	1.00	3
Mg			1	14978.981	ug/l	1.90	4,914,693.33	1.870E+01	Analog	1.00	3
K			1	18.671	ug/l	52.04	35,506.68	1.351E-01	Pulse	1.00	3
V			1	0.450	ug/l	7.77	2,956.24	1.125E-02	Pulse	0.50	3
Mn			1	0.445	ug/l	13.33	1,512.73	5.757E-03	Pulse	0.50	3
Fe			1	25.571	ug/l	27.21	150,257.55	5.719E-01	Pulse	0.50	3
Co			1	0.057	ug/l	92.49	816.04	3.109E-03	Pulse	0.50	3
Ni			1	0.069	ug/l	94.96	390.00	1.485E-03	Pulse	0.50	3
Cu			1	-0.827	ug/l	-11.81	8,069.08	3.070E-02	Pulse	0.50	3
Zn			1	9.467	ug/l	2.89	16,322.91	6.209E-02	Pulse	1.00	3
Cd			1	0.047	ug/l	79.96	87.33	4.905E-05	Pulse	0.50	3
Al			1	32.040	ug/l	23.40	3,262.62	1.824E-03	Pulse	1.00	3
Se			1	0.101	ug/l	155.83	48.67	1.853E-04	Pulse	3.00	3
Sb			1	0.377	ug/l	17.40	2,113.13	1.181E-03	Pulse	1.00	3
Se			1	-0.039	ug/l	-1224.93	54.22	4.064E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,491,241.33	1.48	87.0	Pulse	0.50	3
1	Sc		262,899.19	1.00	112.2	Pulse	0.30	3
1	Ge		239,901.63	18.58	119.1	Pulse	0.30	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	In		1,791,747.01	1.66	95.1	Pulse	0.30	3
1	Tb		6,912,961.50	1.66	96.9	Analog	0.50	3
1	Lu		3,780,651.17	1.15	88.5	Pulse	0.50	3
1	Ge		364,209.39	20.62	119.7	Pulse	0.30	3
1	Te		13,336.92	0.49	88.4	Pulse	0.50	3
1	Li		675.57	5.04	90.3	Pulse	0.30	3

Quantitation Report

File Name 041SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\wa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 11:42
Sample Name FA51184-5B
Sample Type Sample
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.267	ug/l	14.48	3,593.68	1.393E-02	Pulse	0.50	3
As			1	0.126	ug/l	34.23	154.00	5.959E-04	Pulse	1.00	3
Mo			1	0.114	ug/l	121.91	549.35	3.000E-04	Pulse	0.50	3
Pb			1	0.031	ug/l	132.84	1,567.76	3.447E-04	Pulse	1.00	3
Be			1	0.010	ug/l	1162.66	3.33	1.828E-06	Pulse	2.00	3
Ag			1	0.078	ug/l	59.98	1,193.39	6.532E-04	Pulse	0.50	3
Ba			1	0.106	ug/l	88.09	174.00	1.347E-02	Pulse	0.50	3
Tl			1	0.127	ug/l	22.28	4,045.86	8.934E-04	Pulse	0.50	3
Sn			1	0.844	ug/l	13.59	3,314.77	1.818E-03	Pulse	0.30	3
Sr			1	0.229	ug/l	46.56	1,496.74	8.203E-04	Pulse	0.50	3
[Pb]			1	0.029	ug/l	126.65	720.69	1.586E-04	Pulse	0.50	3
Ca			1	17.999	ug/l	65.19	612.68	2.369E-03	Pulse	0.50	3
Ti			1	0.246	ug/l	76.30	42.00	1.618E-04	Pulse	0.50	3
Na			1	66614.471	ug/l	3.86	49,572,109.33	1.924E+02	Analog	1.00	3
Mg			1	9.331	ug/l	123.69	3,206.97	1.228E-02	Pulse	1.00	3
K			1	36952.494	ug/l	3.08	11,466,361.33	4.451E+01	Analog	1.00	3
V			1	0.283	ug/l	23.75	1,997.45	7.735E-03	Pulse	0.50	3
Mn			1	0.185	ug/l	27.58	674.01	2.608E-03	Pulse	0.50	3
Fe			1	7.402	ug/l	114.45	46,497.87	1.783E-01	Pulse	0.50	3
Co			1	0.060	ug/l	98.30	844.70	3.246E-03	Pulse	0.50	3
Ni			1	0.063	ug/l	78.89	364.00	1.405E-03	Pulse	0.50	3
Cu			1	-0.848	ug/l	-13.50	7,718.29	2.990E-02	Pulse	0.50	3
Zn			1	12.030	ug/l	2.90	19,150.52	7.432E-02	Pulse	1.00	3
Cd			1	0.038	ug/l	120.02	72.67	3.967E-05	Pulse	0.50	3
Al			1	3.869	ug/l	228.69	865.04	4.728E-04	Pulse	1.00	3
Se			1	-0.016	ug/l	-618.37	42.45	1.647E-04	Pulse	3.00	3
Sb			1	0.385	ug/l	11.06	2,193.14	1.203E-03	Pulse	1.00	3
Se			1	-0.377	ug/l	-111.61	46.11	3.576E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,516,521.83	1.90	87.5	Pulse	0.50	3
1	Sc		257,709.44	1.72	110.0	Pulse	0.30	3
1	Ge		250,617.17	23.73	124.4	Pulse	0.30	3
1	In		1,822,751.80	0.63	96.7	Pulse	0.30	3
1	Tb		6,979,842.00	0.66	97.9	Analog	0.50	3
1	Lu		3,812,170.08	0.75	89.3	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Ge		377,208.54	24.20	124.0	Pulse	0.30	3
1	Te		12,899.27	1.19	85.5	Pulse	0.50	3
1	Li		630.01	11.98	84.2	Pulse	0.30	3

Quantitation Report

File Name 042CCVA.d
File Path C:\Agilent\ICPMH\1\DATA\sa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 11:47
Sample Name CCV (Ag)
Sample Type CCV_Ag
Comment =std 4
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	44.897	ug/l	7.18	698,173.27	2.539E+00	Pulse	0.50	3
As			1	43.998	ug/l	7.15	80,404.18	2.924E-01	Pulse	1.00	3
Mo			1	47.295	ug/l	6.06	437,608.47	2.323E-01	Pulse	0.50	3
Pb			1	44.674	ug/l	7.49	1,883,890.33	4.121E-01	Pulse	1.00	3
Be			1	47.966	ug/l	7.92	2,561.50	1.360E-03	Pulse	2.00	3
Ag			1	46.720	ug/l	5.19	1,439,276.92	7.642E-01	Pulse	0.50	3
Ba			1	44.086	ug/l	6.45	149,929.40	1.031E+01	Pulse	0.50	3
Tl			1	45.378	ug/l	5.05	2,839,109.83	6.210E-01	Pulse	0.50	3
Sn			1	44.886	ug/l	5.94	320,196.84	1.700E-01	Pulse	0.30	3
Sr			1	47.467	ug/l	5.25	356,827.47	1.894E-01	Pulse	0.50	3
[Pb]			1	45.534	ug/l	6.83	893,175.50	1.954E-01	Pulse	0.50	3
Ca			1	4524.338	ug/l	6.79	153,682.26	5.587E-01	Pulse	0.50	3
Ti			1	44.691	ug/l	7.00	13,650.81	4.963E-02	Pulse	0.50	3
Na			1	4794.848	ug/l	7.22	7,637,534.83	2.777E+01	Analog	1.00	3
Mg			1	4487.601	ug/l	7.83	3,080,718.50	1.120E+01	Pulse	1.00	3
K			1	4792.843	ug/l	5.98	3,199,004.00	1.163E+01	Pulse	1.00	3
V			1	44.550	ug/l	8.56	517,750.58	1.883E+00	Pulse	0.50	3
Mn			1	44.082	ug/l	7.51	293,934.68	1.069E+00	Pulse	0.50	3
Fe			1	4542.308	ug/l	8.55	54,122,209.33	1.968E+02	Analog	0.50	3
Co			1	44.505	ug/l	8.06	1,187,999.38	4.320E+00	Pulse	0.50	3
Ni			1	44.512	ug/l	6.27	329,900.08	1.199E+00	Pulse	0.50	3
Cu			1	44.170	ug/l	7.49	937,609.06	3.409E+00	Pulse	0.50	3
Zn			1	43.123	ug/l	7.59	117,850.00	4.285E-01	Pulse	1.00	3
Cd			1	45.170	ug/l	4.56	176,249.13	9.358E-02	Pulse	0.50	3
Al			1	4831.964	ug/l	5.47	873,448.10	4.637E-01	Pulse	1.00	3
Se			1	42.692	ug/l	8.25	4,157.23	1.512E-02	Pulse	3.00	3
Sb			1	44.594	ug/l	4.82	454,103.68	2.411E-01	Pulse	1.00	3
Se			1	48.023	ug/l	5.66	2,071.45	1.425E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,573,386.17	1.06	88.6	Pulse	0.50	3
1	Sc		275,286.26	2.28	117.5	Pulse	0.30	3
1	Ge		236,372.29	15.61	117.3	Pulse	0.30	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	In		1,883,197.01	0.82	99.9	Pulse	0.30	3
1	Tb		7,137,144.00	1.28	100.1	Analog	0.50	3
1	Lu		3,879,533.83	0.53	90.9	Pulse	0.50	3
1	Ge		358,312.96	15.37	117.8	Pulse	0.30	3
1	Te		14,549.84	1.80	96.4	Pulse	0.50	3
1	Li		667.79	10.09	89.3	Pulse	0.30	3

Quantitation Report

File Name 043_CCV.d
File Path C:\Agilent\ICPMH\1\DATA\wa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 11:52
Sample Name CCV
Sample Type CCV
Comment =std 5
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step **Tune File**
 1

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	94.270	ug/l	6.94	1,443,931.50	5.323E+00	Pulse	0.50	3
As			1	92.725	ug/l	6.62	167,085.94	6.160E-01	Pulse	1.00	3
Mo			1	100.398	ug/l	4.73	907,354.04	4.932E-01	Pulse	0.50	3
Pb			1	94.206	ug/l	4.78	3,890,048.00	8.689E-01	Pulse	1.00	3
Be			1	101.711	ug/l	4.48	5,302.03	2.882E-03	Pulse	2.00	3
Ag			1	99.820	ug/l	2.68	3,003,851.00	1.633E+00	Pulse	0.50	3
Ba			1	92.806	ug/l	3.18	313,016.87	2.171E+01	Pulse	0.50	3
Tl			1	101.013	ug/l	7.39	6,189,657.17	1.382E+00	Mix	0.50	3
Sn			1	94.587	ug/l	5.01	658,708.60	3.580E-01	Pulse	0.30	3
Sr			1	99.105	ug/l	4.13	727,000.23	3.951E-01	Pulse	0.50	3
[Pb]			1	96.301	ug/l	2.39	1,849,403.00	4.131E-01	Pulse	0.50	3
Ca			1	9545.998	ug/l	5.74	319,448.94	1.177E+00	Pulse	0.50	3
Ti			1	92.422	ug/l	7.13	27,833.82	1.026E-01	Pulse	0.50	3
Na			1	10016.074	ug/l	6.71	15,712,241.33	5.793E+01	Analog	1.00	3
Mg			1	9757.477	ug/l	6.74	6,607,110.33	2.436E+01	Analog	1.00	3
K			1	10291.572	ug/l	6.15	6,739,188.33	2.484E+01	Analog	1.00	3
V			1	93.787	ug/l	7.14	1,074,568.21	3.962E+00	Pulse	0.50	3
Mn			1	94.685	ug/l	7.13	622,541.54	2.295E+00	Pulse	0.50	3
Fe			1	9710.526	ug/l	7.61	114,098,984.00	4.207E+02	Analog	0.50	3
Co			1	92.118	ug/l	6.63	2,425,671.08	8.942E+00	Pulse	0.50	3
Ni			1	91.866	ug/l	6.15	671,324.63	2.475E+00	Pulse	0.50	3
Cu			1	91.320	ug/l	6.52	1,894,083.33	6.982E+00	Pulse	0.50	3
Zn			1	92.340	ug/l	6.13	243,681.56	8.982E-01	Pulse	1.00	3
Cd			1	96.738	ug/l	2.77	368,718.23	2.004E-01	Pulse	0.50	3
Al			1	10272.337	ug/l	3.71	1,813,311.37	9.856E-01	Pulse	1.00	3
Se			1	90.955	ug/l	6.60	8,684.53	3.202E-02	Pulse	3.00	3
Sb			1	95.825	ug/l	3.63	952,824.14	5.179E-01	Pulse	1.00	3
Se			1	104.370	ug/l	4.87	4,394.28	3.048E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,476,263.67	0.71	86.7	Pulse	0.50	3
1	Sc		271,635.73	3.29	115.9	Pulse	0.30	3
1	Ge		213,106.43	2.45	105.8	Pulse	0.30	3
1	In		1,839,804.44	0.63	97.6	Pulse	0.30	3
1	Tb		6,882,177.00	0.87	96.5	Analog	0.50	3
1	Lu		3,861,167.67	1.19	90.4	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Ge		321,437.86	3.20	105.6	Pulse	0.30	3
1	Te		14,421.07	2.19	95.6	Pulse	0.50	3
1	Li		688.90	9.44	92.1	Pulse	0.30	3

Quantitation Report

File Name 044_CCB.d
File Path C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 11:56
Sample Name CCB
Sample Type CCB
Comment
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.031	ug/l	42.11	2,196.80	8.126E-03	Pulse	0.50	3
As			1	0.012	ug/l	161.88	69.33	2.578E-04	Pulse	1.00	3
Mo			1	0.101	ug/l	62.35	978.71	5.165E-04	Pulse	0.50	3
Pb			1	0.039	ug/l	64.31	2,605.90	5.618E-04	Pulse	1.00	3
Be			1	-0.013	ug/l	-2.82	2.50	1.317E-06	Pulse	2.00	3
Ag			1	0.026	ug/l	74.36	856.03	4.520E-04	Pulse	0.50	3
Ba			1	0.026	ug/l	128.49	108.00	7.142E-03	Pulse	0.50	3
Tl			1	0.109	ug/l	38.49	7,017.66	1.513E-03	Pulse	0.50	3
Sn			1	0.182	ug/l	38.77	1,726.77	9.108E-04	Pulse	0.30	3
Sr			1	0.028	ug/l	119.97	898.69	4.739E-04	Pulse	0.50	3
[Pb]			1	0.046	ug/l	64.78	1,348.73	2.909E-04	Pulse	0.50	3
Ca			1	1.940	ug/l	263.75	404.00	1.499E-03	Pulse	0.50	3
Ti			1	0.040	ug/l	183.31	18.67	6.947E-05	Pulse	0.50	3
Na			1	17.204	ug/l	57.90	48,104.61	1.783E-01	Pulse	1.00	3
Mg			1	3.670	ug/l	106.64	2,626.02	9.795E-03	Pulse	1.00	3
K			1	8.233	ug/l	60.23	35,814.19	1.324E-01	Pulse	1.00	3
V			1	0.005	ug/l	567.80	528.01	1.961E-03	Pulse	0.50	3
Mn			1	0.061	ug/l	38.90	496.01	1.839E-03	Pulse	0.50	3
Fe			1	4.431	ug/l	101.55	56,359.39	2.100E-01	Pulse	0.50	3
Co			1	0.017	ug/l	122.56	532.68	1.986E-03	Pulse	0.50	3
Ni			1	0.014	ug/l	187.74	253.34	9.428E-04	Pulse	0.50	3
Cu			1	-0.230	ug/l	-52.99	12,044.59	4.459E-02	Pulse	0.50	3
Zn			1	-1.296	ug/l	-11.44	1,226.71	4.545E-03	Pulse	1.00	3
Cd			1	0.012	ug/l	96.48	48.00	2.535E-05	Pulse	0.50	3
Al			1	4.637	ug/l	86.48	1,387.07	7.320E-04	Pulse	1.00	3
Se			1	-0.007	ug/l	-470.09	44.67	1.652E-04	Pulse	3.00	3
Sb			1	0.175	ug/l	44.89	2,104.80	1.110E-03	Pulse	1.00	3
Se			1	-0.414	ug/l	-16.81	43.78	2.925E-03	Pulse	3.00	3

Quantitation Report

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,645,124.83	1.08	90.0	Pulse	0.50	3
1	Sc		270,680.88	2.29	115.5	Pulse	0.30	3
1	Ge		215,671.64	2.25	107.1	Pulse	0.30	3
1	In		1,897,927.63	0.81	100.7	Pulse	0.30	3
1	Tb		7,030,878.00	1.49	98.6	Analog	0.50	3
1	Lu		3,806,801.00	1.32	89.2	Pulse	0.50	3
1	Ge		326,148.12	1.73	107.2	Pulse	0.30	3
1	Te		14,972.87	1.44	99.2	Pulse	0.50	3
1	Li		706.69	4.97	94.5	Pulse	0.30	3

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Quantitation Report

File Name 045SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 12:01
Sample Name FA51184-1E
Sample Type Sample
Comment
Prep Dilution 10.000
Auto Dilution N/A
Total Dilution 10.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step **Tune File**
1

7.1

7

Quantitation Report

File Name 046SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 12:06
Sample Name FA51184-1C
Sample Type Sample
Comment
Prep Dilution 10.000
Auto Dilution N/A
Total Dilution 10.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step **Tune File**
1

7.1

7

Quantitation Report

File Name 047SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 12:10
Sample Name FA51184-1B
Sample Type Sample
Comment
Prep Dilution 10.000
Auto Dilution N/A
Total Dilution 10.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step **Tune File**
1

7.1

7

Quantitation Report

File Name 048SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\14702218m1.b
Method File
Method Path
Acq Time 2/22/2018 12:15
Sample Name FA51737-1F
Sample Type Sample
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.351	ug/l	21.90	4,147.80	1.630E-02	Pulse	0.50	3
As			1	0.134	ug/l	24.10	157.67	6.200E-04	Pulse	1.00	3
Mo			1	0.222	ug/l	61.35	1,009.37	5.663E-04	Pulse	0.50	3
Pb			1	0.138	ug/l	42.25	3,810.81	8.345E-04	Pulse	1.00	3
Be			1	0.272	ug/l	51.85	9.83	5.539E-06	Pulse	2.00	3
Ag			1	0.136	ug/l	40.00	2,019.47	1.134E-03	Pulse	0.50	3
Ba			1	32.313	ug/l	3.62	49,450.46	3.780E+00	Pulse	0.50	3
Tl			1	0.622	ug/l	14.67	19,501.43	4.274E-03	Pulse	0.50	3
Sn			1	1.064	ug/l	10.68	3,971.57	2.234E-03	Pulse	0.30	3
Sr			1	5.437	ug/l	3.24	19,887.88	1.119E-02	Pulse	0.50	3
[Pb]			1	0.148	ug/l	37.30	1,879.45	4.117E-04	Pulse	0.50	3
Ca			1	327.773	ug/l	5.55	5,458.11	2.145E-02	Pulse	0.50	3
Ti			1	0.327	ug/l	78.87	52.67	2.071E-04	Pulse	0.50	3
Na			1	3898.285	ug/l	2.26	2,884,447.08	1.134E+01	Pulse	1.00	3
Mg			1	216.134	ug/l	2.90	68,791.75	2.704E-01	Pulse	1.00	3
K			1	1019.090	ug/l	0.81	340,192.00	1.337E+00	Pulse	1.00	3
V			1	0.202	ug/l	29.87	1,530.73	6.018E-03	Pulse	0.50	3
Mn			1	6.109	ug/l	2.42	18,929.29	7.440E-02	Pulse	0.50	3
Fe			1	10.845	ug/l	93.70	64,284.17	2.529E-01	Pulse	0.50	3
Co			1	1.887	ug/l	0.81	23,385.51	9.192E-02	Pulse	0.50	3
Ni			1	2.667	ug/l	3.28	9,278.27	3.647E-02	Pulse	0.50	3
Cu			1	-0.336	ug/l	-49.51	12,544.17	4.931E-02	Pulse	0.50	3
Zn			1	18.368	ug/l	2.58	26,605.70	1.046E-01	Pulse	1.00	3
Cd			1	0.071	ug/l	104.87	132.00	7.391E-05	Pulse	0.50	3
Al			1	22.638	ug/l	40.92	2,443.84	1.373E-03	Pulse	1.00	3
Se			1	0.065	ug/l	172.99	45.56	1.790E-04	Pulse	3.00	3
Sb			1	0.880	ug/l	12.95	4,513.90	2.538E-03	Pulse	1.00	3
Se			1	-0.340	ug/l	-101.88	47.56	3.630E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,556,197.67	1.43	88.2	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Sc		254,431.31	0.74	108.6	Pulse	0.30	3
1	Ge		218,050.25	5.87	108.2	Pulse	0.30	3
1	In		1,777,107.29	0.78	94.3	Pulse	0.30	3
1	Tb		6,826,900.17	1.69	95.7	Analog	0.50	3
1	Lu		3,720,300.58	2.83	87.1	Pulse	0.50	3
1	Ge		325,635.84	6.68	107.0	Pulse	0.30	3
1	Te		13,087.40	1.89	86.7	Pulse	0.50	3
1	Li		701.13	6.31	93.8	Pulse	0.30	3

7.1

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Quantitation Report

File Name 0495MPL.d
File Path C:\Agilent\ICPMH\1\DATA\14702218m1.b
Method File
Method Path
Acq Time 2/22/2018 12:20
Sample Name MP33363-D1
Sample Type Sample
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.311	ug/l	12.05	3,913.08	1.516E-02	Pulse	0.50	3
As			1	0.141	ug/l	35.18	166.67	6.441E-04	Pulse	1.00	3
Mo			1	0.147	ug/l	99.41	696.70	3.824E-04	Pulse	0.50	3
Pb			1	0.093	ug/l	54.75	2,841.28	6.264E-04	Pulse	1.00	3
Be			1	0.332	ug/l	30.31	11.50	6.391E-06	Pulse	2.00	3
Ag			1	0.149	ug/l	35.78	2,231.50	1.235E-03	Pulse	0.50	3
Ba			1	33.120	ug/l	4.67	50,929.92	3.874E+00	Pulse	0.50	3
Tl			1	0.183	ug/l	9.29	5,793.73	1.277E-03	Pulse	0.50	3
Sn			1	1.072	ug/l	38.50	4,040.68	2.250E-03	Pulse	0.30	3
Sr			1	5.588	ug/l	2.13	20,666.70	1.149E-02	Pulse	0.50	3
[Pb]			1	0.098	ug/l	51.49	1,382.07	3.047E-04	Pulse	0.50	3
Ca			1	321.470	ug/l	4.32	5,432.11	2.106E-02	Pulse	0.50	3
Ti			1	0.185	ug/l	71.60	33.33	1.284E-04	Pulse	0.50	3
Na			1	3973.111	ug/l	3.28	2,979,261.58	1.155E+01	Pulse	1.00	3
Mg			1	220.433	ug/l	0.08	71,142.70	2.758E-01	Pulse	1.00	3
K			1	1040.539	ug/l	2.91	351,491.63	1.363E+00	Pulse	1.00	3
V			1	0.234	ug/l	24.93	1,730.09	6.692E-03	Pulse	0.50	3
Mn			1	6.078	ug/l	2.11	19,092.11	7.402E-02	Pulse	0.50	3
Fe			1	9.075	ug/l	94.67	55,848.15	2.146E-01	Pulse	0.50	3
Co			1	1.882	ug/l	1.44	23,645.87	9.165E-02	Pulse	0.50	3
Ni			1	2.731	ug/l	2.20	9,630.43	3.733E-02	Pulse	0.50	3
Cu			1	-0.436	ug/l	-15.88	11,748.32	4.551E-02	Pulse	0.50	3
Zn			1	14.700	ug/l	6.70	22,450.42	8.707E-02	Pulse	1.00	3
Cd			1	0.057	ug/l	111.03	108.67	5.953E-05	Pulse	0.50	3
Al			1	20.114	ug/l	39.35	2,261.14	1.252E-03	Pulse	1.00	3
Se			1	0.139	ug/l	95.86	49.56	1.919E-04	Pulse	3.00	3
Sb			1	0.695	ug/l	4.16	3,670.04	2.040E-03	Pulse	1.00	3
Se			1	-0.331	ug/l	-64.07	47.89	3.643E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,536,322.00	0.48	87.8	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Sc		257,992.08	1.76	110.1	Pulse	0.30	3
1	Ge		251,331.26	23.78	124.8	Pulse	0.30	3
1	In		1,798,626.87	2.21	95.4	Pulse	0.30	3
1	Tb		6,902,240.00	1.69	96.8	Analog	0.50	3
1	Lu		3,781,445.92	2.14	88.6	Pulse	0.50	3
1	Ge		377,889.29	23.73	124.2	Pulse	0.30	3
1	Te		13,153.45	1.94	87.2	Pulse	0.50	3
1	Li		671.13	2.24	89.7	Pulse	0.30	3

7.1

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Quantitation Report

File Name 050SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\14702218m1.b
Method File
Method Path
Acq Time 2/22/2018 12:24
Sample Name MP33363-SD1
Sample Type Sample
Comment
Prep Dilution 10.000
Auto Dilution N/A
Total Dilution 10.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.560	ug/l	55.11	2,550.85	9.551E-03	Pulse	0.50	3
As			1	0.211	ug/l	91.51	84.67	3.163E-04	Pulse	1.00	3
Mo			1	0.589	ug/l	84.62	572.02	3.093E-04	Pulse	0.50	3
Pb			1	0.335	ug/l	63.77	2,324.53	5.090E-04	Pulse	1.00	3
Be			1	0.427	ug/l	90.98	5.33	2.900E-06	Pulse	2.00	3
Ag			1	0.502	ug/l	31.62	1,548.75	8.402E-04	Pulse	0.50	3
Ba			1	31.063	ug/l	7.95	10,283.63	7.276E-01	Pulse	0.50	3
Tl			1	0.641	ug/l	15.41	4,099.89	8.988E-04	Pulse	0.50	3
Sn			1	1.017	ug/l	50.62	1,118.94	6.070E-04	Pulse	0.30	3
Sr			1	5.918	ug/l	0.63	5,004.02	2.721E-03	Pulse	0.50	3
[Pb]			1	0.317	ug/l	56.81	1,055.38	2.311E-04	Pulse	0.50	3
Ca			1	336.414	ug/l	10.54	1,442.06	5.405E-03	Pulse	0.50	3
Ti			1	0.891	ug/l	66.37	33.33	1.244E-04	Pulse	0.50	3
Na			1	4062.335	ug/l	2.85	646,335.90	2.425E+00	Pulse	1.00	3
Mg			1	247.486	ug/l	12.10	16,658.10	6.241E-02	Pulse	1.00	3
K			1	1110.633	ug/l	2.07	101,167.52	3.795E-01	Pulse	1.00	3
V			1	0.570	ug/l	48.22	1,110.71	4.155E-03	Pulse	0.50	3
Mn			1	6.535	ug/l	1.47	4,321.16	1.621E-02	Pulse	0.50	3
Fe			1	35.737	ug/l	99.20	46,481.30	1.728E-01	Pulse	0.50	3
Co			1	2.209	ug/l	6.42	5,807.56	2.177E-02	Pulse	0.50	3
Ni			1	3.046	ug/l	6.76	2,336.81	8.760E-03	Pulse	0.50	3
Cu			1	-1.748	ug/l	-41.71	13,021.82	4.880E-02	Pulse	0.50	3
Zn			1	37.137	ug/l	4.07	13,955.06	5.236E-02	Pulse	1.00	3
Cd			1	0.290	ug/l	57.47	111.33	6.033E-05	Pulse	0.50	3
Al			1	26.025	ug/l	119.84	991.04	5.369E-04	Pulse	1.00	3
Se			1	-0.103	ug/l	-831.04	43.78	1.639E-04	Pulse	3.00	3
Sb			1	2.362	ug/l	11.50	2,646.53	1.438E-03	Pulse	1.00	3
Se			1	-3.748	ug/l	-16.77	43.00	3.040E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,555,856.67	1.34	88.2	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Sc		266,596.02	1.53	113.8	Pulse	0.30	3
1	Ge		232,461.16	14.20	115.4	Pulse	0.30	3
1	In		1,839,123.19	1.10	97.6	Pulse	0.30	3
1	Tb		6,871,113.17	1.65	96.4	Analog	0.50	3
1	Lu		3,721,127.00	1.19	87.2	Pulse	0.50	3
1	Ge		346,583.34	17.28	113.9	Pulse	0.30	3
1	Te		14,166.88	4.94	93.9	Pulse	0.50	3
1	Li		725.57	10.45	97.0	Pulse	0.30	3

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Quantitation Report

File Name 051SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\wa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 12:29
Sample Name MP33363-S1
Sample Type Sample
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step **Tune File**
 1

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	208.917	ug/l	2.59	1,457,458.84	5.898E+00	Pulse	0.50	3
As			1	208.083	ug/l	3.05	170,771.37	6.911E-01	Pulse	1.00	3
Mo			1	216.235	ug/l	2.19	931,850.15	5.311E-01	Pulse	0.50	3
Pb			1	206.786	ug/l	3.90	4,223,830.50	9.536E-01	Pulse	1.00	3
Be			1	227.328	ug/l	2.25	5,650.29	3.220E-03	Pulse	2.00	3
Ag			1	107.758	ug/l	2.40	1,546,261.29	8.812E-01	Pulse	0.50	3
Ba			1	254.998	ug/l	4.26	386,849.10	2.982E+01	Pulse	0.50	3
Tl			1	206.920	ug/l	8.45	6,269,381.67	1.416E+00	Mix	0.50	3
Sn			1	229.677	ug/l	3.39	762,456.48	4.346E-01	Pulse	0.30	3
Sr			1	208.769	ug/l	3.28	730,143.73	4.162E-01	Pulse	0.50	3
[Pb]			1	201.260	ug/l	3.68	1,912,167.41	4.317E-01	Pulse	0.50	3
Ca			1	20807.041	ug/l	2.33	317,082.51	1.283E+00	Pulse	0.50	3
Ti			1	197.880	ug/l	4.08	27,140.16	1.098E-01	Pulse	0.50	3
Na			1	25408.230	ug/l	2.46	18,150,914.67	7.345E+01	Analog	1.00	3
Mg			1	21060.267	ug/l	2.60	6,495,629.33	2.629E+01	Analog	1.00	3
K			1	22189.728	ug/l	2.26	6,616,278.50	2.677E+01	Analog	1.00	3
V			1	214.874	ug/l	2.82	1,121,432.58	4.538E+00	Pulse	0.50	3
Mn			1	212.434	ug/l	3.40	636,195.90	2.575E+00	Pulse	0.50	3
Fe			1	21512.507	ug/l	4.33	115,131,965.33	4.660E+02	Analog	0.50	3
Co			1	209.475	ug/l	2.52	2,512,544.92	1.017E+01	Pulse	0.50	3
Ni			1	208.095	ug/l	2.16	692,636.75	2.803E+00	Pulse	0.50	3
Cu			1	206.037	ug/l	4.05	1,944,065.58	7.869E+00	Pulse	0.50	3
Zn			1	214.648	ug/l	2.69	257,298.38	1.041E+00	Pulse	1.00	3
Cd			1	205.396	ug/l	3.24	373,261.47	2.127E-01	Pulse	0.50	3
Al			1	20319.955	ug/l	1.71	1,710,494.38	9.748E-01	Pulse	1.00	3
Se			1	190.413	ug/l	2.59	8,279.46	3.350E-02	Pulse	3.00	3
Sb			1	202.948	ug/l	2.66	962,210.39	5.484E-01	Pulse	1.00	3
Se			1	216.500	ug/l	2.27	4,100.00	3.159E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,431,011.67	1.32	85.8	Pulse	0.50	3
1	Sc		247,209.41	2.25	105.5	Pulse	0.30	3
1	Ge		208,974.49	7.50	103.7	Pulse	0.30	3
1	In		1,755,054.55	1.57	93.1	Pulse	0.30	3
1	Tb		7,010,932.17	0.85	98.3	Analog	0.50	3
1	Lu		3,791,796.00	0.90	88.8	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Ge		317,087.63	8.64	104.2	Pulse	0.30	3
1	Te		12,981.98	2.72	86.0	Pulse	0.50	3
1	Li		690.01	4.61	92.3	Pulse	0.30	3

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Quantitation Report

File Name 052SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\wa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 12:34
Sample Name MP33363-S2
Sample Type Sample
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step **Tune File**
 1

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	210.021	ug/l	7.17	1,433,498.33	5.929E+00	Pulse	0.50	3
As			1	208.069	ug/l	5.81	167,113.50	6.911E-01	Pulse	1.00	3
Mo			1	215.500	ug/l	4.68	924,045.67	5.293E-01	Pulse	0.50	3
Pb			1	204.462	ug/l	5.50	4,254,625.42	9.429E-01	Pulse	1.00	3
Be			1	222.407	ug/l	2.36	5,499.92	3.150E-03	Pulse	2.00	3
Ag			1	109.257	ug/l	4.44	1,559,921.75	8.935E-01	Pulse	0.50	3
Ba			1	255.370	ug/l	7.23	380,987.98	2.987E+01	Pulse	0.50	3
Tl			1	202.892	ug/l	8.43	6,262,649.33	1.388E+00	Mix	0.50	3
Sn			1	227.788	ug/l	4.23	752,507.16	4.310E-01	Pulse	0.30	3
Sr			1	205.785	ug/l	4.39	716,210.25	4.102E-01	Pulse	0.50	3
[Pb]			1	197.292	ug/l	5.60	1,909,529.92	4.232E-01	Pulse	0.50	3
Ca			1	20821.302	ug/l	5.15	310,527.14	1.284E+00	Pulse	0.50	3
Ti			1	199.271	ug/l	6.33	26,748.32	1.106E-01	Pulse	0.50	3
Na			1	25206.694	ug/l	5.42	17,622,028.00	7.287E+01	Analog	1.00	3
Mg			1	21229.848	ug/l	5.80	6,407,825.00	2.650E+01	Analog	1.00	3
K			1	22296.865	ug/l	5.13	6,505,811.83	2.690E+01	Analog	1.00	3
V			1	216.571	ug/l	6.90	1,105,993.60	4.574E+00	Pulse	0.50	3
Mn			1	213.637	ug/l	6.41	626,126.25	2.589E+00	Pulse	0.50	3
Fe			1	21359.342	ug/l	5.71	111,892,845.33	4.627E+02	Analog	0.50	3
Co			1	210.674	ug/l	6.02	2,472,743.83	1.023E+01	Pulse	0.50	3
Ni			1	209.717	ug/l	6.50	683,005.54	2.825E+00	Pulse	0.50	3
Cu			1	209.284	ug/l	6.42	1,932,380.17	7.992E+00	Pulse	0.50	3
Zn			1	213.332	ug/l	6.18	250,260.88	1.035E+00	Pulse	1.00	3
Cd			1	206.061	ug/l	4.91	372,642.63	2.134E-01	Pulse	0.50	3
Al			1	19995.368	ug/l	4.49	1,674,666.21	9.592E-01	Pulse	1.00	3
Se			1	190.765	ug/l	4.80	8,118.29	3.357E-02	Pulse	3.00	3
Sb			1	203.431	ug/l	3.59	959,715.67	5.497E-01	Pulse	1.00	3
Se			1	216.767	ug/l	6.30	4,036.32	3.163E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,515,643.33	1.90	87.4	Pulse	0.50	3
1	Sc		242,005.27	1.99	103.3	Pulse	0.30	3
1	Ge		223,630.47	14.18	111.0	Pulse	0.30	3
1	In		1,745,747.95	0.34	92.6	Pulse	0.30	3
1	Tb		7,137,909.00	0.97	100.1	Analog	0.50	3
1	Lu		3,843,364.33	1.49	90.0	Pulse	0.50	3

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Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Ge		335,605.65	13.49	110.3	Pulse	0.30	3
1	Te		12,776.52	3.44	84.7	Pulse	0.50	3
1	Li		644.46	6.38	86.2	Pulse	0.30	3

Quantitation Report

File Name 053SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 12:38
Sample Name MP33363-PS1
Sample Type Sample
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	20.463	ug/l	4.13	144,891.71	5.835E-01	Pulse	0.50	3
As			1	20.177	ug/l	3.70	16,680.96	6.717E-02	Pulse	1.00	3
Mo			1	20.633	ug/l	7.92	90,724.40	5.069E-02	Pulse	0.50	3
Pb			1	19.520	ug/l	3.16	414,701.19	9.020E-02	Pulse	1.00	3
Be			1	20.779	ug/l	6.48	529.68	2.959E-04	Pulse	2.00	3
Ag			1	4.141	ug/l	5.96	60,661.56	3.388E-02	Pulse	0.50	3
Ba			1	53.429	ug/l	6.30	80,745.62	6.249E+00	Pulse	0.50	3
Tl			1	19.309	ug/l	4.03	607,588.50	1.321E-01	Pulse	0.50	3
Sn			1	23.371	ug/l	5.41	79,534.38	4.442E-02	Pulse	0.30	3
Sr			1	24.285	ug/l	6.57	87,236.95	4.873E-02	Pulse	0.50	3
[Pb]			1	18.988	ug/l	3.96	187,652.04	4.081E-02	Pulse	0.50	3
Ca			1	2303.387	ug/l	3.97	35,551.53	1.432E-01	Pulse	0.50	3
Ti			1	19.248	ug/l	8.62	2,659.52	1.071E-02	Pulse	0.50	3
Na			1	6094.149	ug/l	3.92	4,389,716.67	1.768E+01	Analog	1.00	3
Mg			1	2217.081	ug/l	3.70	687,308.29	2.768E+00	Pulse	1.00	3
K			1	2992.254	ug/l	2.58	920,656.31	3.708E+00	Pulse	1.00	3
V			1	20.440	ug/l	4.32	107,603.17	4.333E-01	Pulse	0.50	3
Mn			1	25.791	ug/l	4.64	77,712.02	3.129E-01	Pulse	0.50	3
Fe			1	2051.445	ug/l	4.46	11,040,161.67	4.446E+01	Analog	0.50	3
Co			1	22.306	ug/l	4.73	268,942.47	1.083E+00	Pulse	0.50	3
Ni			1	23.142	ug/l	3.76	77,523.67	3.122E-01	Pulse	0.50	3
Cu			1	20.009	ug/l	2.64	203,652.30	8.202E-01	Pulse	0.50	3
Zn			1	38.578	ug/l	3.89	49,916.47	2.010E-01	Pulse	1.00	3
Cd			1	19.447	ug/l	7.61	36,053.23	2.014E-02	Pulse	0.50	3
Al			1	1912.585	ug/l	6.48	164,708.89	9.201E-02	Pulse	1.00	3
Se			1	18.394	ug/l	2.77	841.13	3.388E-03	Pulse	3.00	3
Sb			1	19.198	ug/l	6.21	93,132.81	5.202E-02	Pulse	1.00	3
Se			1	20.409	ug/l	8.06	433.01	3.351E-02	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,598,148.17	0.64	89.0	Pulse	0.50	3
1	Sc		248,275.85	0.83	106.0	Pulse	0.30	3
1	Ge		237,771.38	20.70	118.0	Pulse	0.30	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	In		1,792,020.27	2.45	95.1	Pulse	0.30	3
1	Tb		7,039,345.33	2.10	98.7	Analog	0.50	3
1	Lu		3,819,195.08	0.60	89.4	Pulse	0.50	3
1	Ge		357,785.52	21.43	117.6	Pulse	0.30	3
1	Te		12,931.96	2.11	85.7	Pulse	0.50	3
1	Li		683.35	8.46	91.4	Pulse	0.30	3

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Quantitation Report

File Name 054SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\14702218m1.b
Method File
Method Path
Acq Time 2/22/2018 12:43
Sample Name FA51737-2F
Sample Type Sample
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.773	ug/l	2.40	7,213.35	2.820E-02	Pulse	0.50	3
As			1	0.278	ug/l	47.36	282.00	1.100E-03	Pulse	1.00	3
Mo			1	0.128	ug/l	65.15	602.02	3.341E-04	Pulse	0.50	3
Pb			1	0.066	ug/l	58.28	2,317.85	5.048E-04	Pulse	1.00	3
Be			1	0.268	ug/l	24.98	9.83	5.484E-06	Pulse	2.00	3
Ag			1	0.062	ug/l	65.02	950.70	5.275E-04	Pulse	0.50	3
Ba			1	26.838	ug/l	6.84	41,385.34	3.140E+00	Pulse	0.50	3
Tl			1	0.212	ug/l	6.29	6,747.40	1.474E-03	Pulse	0.50	3
Sn			1	0.706	ug/l	8.10	2,796.89	1.558E-03	Pulse	0.30	3
Sr			1	6.854	ug/l	4.26	25,149.46	1.401E-02	Pulse	0.50	3
[Pb]			1	0.066	ug/l	58.46	1,092.04	2.379E-04	Pulse	0.50	3
Ca			1	680.150	ug/l	2.62	11,037.13	4.316E-02	Pulse	0.50	3
Ti			1	0.588	ug/l	120.30	90.01	3.520E-04	Pulse	0.50	3
Na			1	4265.125	ug/l	2.49	3,169,614.00	1.240E+01	Pulse	1.00	3
Mg			1	280.987	ug/l	1.11	89,848.42	3.513E-01	Pulse	1.00	3
K			1	1213.311	ug/l	2.71	401,562.70	1.570E+00	Pulse	1.00	3
V			1	0.367	ug/l	17.84	2,428.83	9.490E-03	Pulse	0.50	3
Mn			1	9.309	ug/l	2.48	28,941.60	1.132E-01	Pulse	0.50	3
Fe			1	12.278	ug/l	56.80	72,840.12	2.840E-01	Pulse	0.50	3
Co			1	1.757	ug/l	2.63	21,894.44	8.562E-02	Pulse	0.50	3
Ni			1	2.631	ug/l	1.87	9,201.55	3.598E-02	Pulse	0.50	3
Cu			1	-0.214	ug/l	-68.60	13,797.70	5.392E-02	Pulse	0.50	3
Zn			1	19.445	ug/l	3.21	28,053.35	1.097E-01	Pulse	1.00	3
Cd			1	0.049	ug/l	114.96	92.00	5.087E-05	Pulse	0.50	3
Al			1	14.787	ug/l	36.72	1,791.76	9.964E-04	Pulse	1.00	3
Se			1	-0.054	ug/l	-168.82	40.44	1.581E-04	Pulse	3.00	3
Sb			1	0.704	ug/l	7.30	3,703.05	2.063E-03	Pulse	1.00	3
Se			1	-0.771	ug/l	-36.00	39.78	3.009E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,573,238.00	2.34	88.6	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Sc		255,745.88	0.85	109.2	Pulse	0.30	3
1	Ge		234,227.05	15.58	116.3	Pulse	0.30	3
1	In		1,795,142.98	1.05	95.3	Pulse	0.30	3
1	Tb		6,914,228.50	2.74	97.0	Analog	0.50	3
1	Lu		3,762,981.42	2.46	88.1	Pulse	0.50	3
1	Ge		352,970.09	18.10	116.0	Pulse	0.30	3
1	Te		13,203.48	3.62	87.5	Pulse	0.50	3
1	Li		697.79	5.66	93.3	Pulse	0.30	3

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Quantitation Report

File Name 055CCVA.d
File Path C:\Agilent\ICPMH\1\DATA\sa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 12:47
Sample Name CCV (Ag)
Sample Type CCV_Ag
Comment =std 4
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	47.031	ug/l	4.18	719,165.15	2.659E+00	Pulse	0.50	3
As			1	46.447	ug/l	2.82	83,505.09	3.086E-01	Pulse	1.00	3
Mo			1	49.303	ug/l	2.59	452,415.38	2.422E-01	Pulse	0.50	3
Pb			1	47.201	ug/l	2.67	1,972,113.87	4.354E-01	Pulse	1.00	3
Be			1	51.712	ug/l	2.98	2,738.19	1.466E-03	Pulse	2.00	3
Ag			1	49.286	ug/l	2.37	1,505,875.92	8.061E-01	Pulse	0.50	3
Ba			1	46.129	ug/l	3.57	155,246.39	1.079E+01	Pulse	0.50	3
Tl			1	46.878	ug/l	2.59	2,905,802.42	6.415E-01	Pulse	0.50	3
Sn			1	47.534	ug/l	2.83	336,274.21	1.800E-01	Pulse	0.30	3
Sr			1	49.735	ug/l	1.41	370,808.91	1.985E-01	Pulse	0.50	3
[Pb]			1	48.164	ug/l	2.61	935,927.17	2.067E-01	Pulse	0.50	3
Ca			1	4744.498	ug/l	4.10	158,455.53	5.858E-01	Pulse	0.50	3
Ti			1	46.984	ug/l	4.37	14,114.44	5.218E-02	Pulse	0.50	3
Na			1	4989.021	ug/l	3.61	7,815,884.33	2.889E+01	Analog	1.00	3
Mg			1	4711.791	ug/l	4.17	3,181,328.83	1.176E+01	Pulse	1.00	3
K			1	4845.299	ug/l	3.70	3,179,923.67	1.176E+01	Pulse	1.00	3
V			1	46.906	ug/l	4.81	536,077.84	1.982E+00	Pulse	0.50	3
Mn			1	46.807	ug/l	3.29	307,029.62	1.135E+00	Pulse	0.50	3
Fe			1	4819.073	ug/l	4.61	56,467,184.00	2.088E+02	Analog	0.50	3
Co			1	47.367	ug/l	4.02	1,243,727.17	4.598E+00	Pulse	0.50	3
Ni			1	46.597	ug/l	4.30	339,560.88	1.255E+00	Pulse	0.50	3
Cu			1	45.911	ug/l	4.73	957,651.10	3.541E+00	Pulse	0.50	3
Zn			1	45.141	ug/l	3.86	121,118.11	4.477E-01	Pulse	1.00	3
Cd			1	47.470	ug/l	2.02	183,717.17	9.834E-02	Pulse	0.50	3
Al			1	5157.864	ug/l	2.46	924,690.48	4.950E-01	Pulse	1.00	3
Se			1	46.036	ug/l	4.90	4,404.40	1.629E-02	Pulse	3.00	3
Sb			1	46.779	ug/l	2.63	472,427.48	2.529E-01	Pulse	1.00	3
Se			1	50.721	ug/l	1.89	2,162.23	1.502E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,529,489.83	1.00	87.7	Pulse	0.50	3
1	Sc		270,772.21	4.03	115.6	Pulse	0.30	3
1	Ge		233,528.32	15.44	115.9	Pulse	0.30	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	In		1,868,585.14	1.75	99.2	Pulse	0.30	3
1	Tb		7,105,203.50	1.72	99.6	Analog	0.50	3
1	Lu		3,929,364.50	1.09	92.0	Pulse	0.50	3
1	Ge		348,544.46	15.47	114.6	Pulse	0.30	3
1	Te		14,397.04	2.79	95.4	Pulse	0.50	3
1	Li		658.90	9.11	88.1	Pulse	0.30	3

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Quantitation Report

File Name 056_CCV.d
File Path C:\Agilent\ICPMH\1\DATA\wa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 12:52
Sample Name CCV
Sample Type CCV
Comment =std 5
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	93.510	ug/l	7.83	1,324,720.09	5.280E+00	Pulse	0.50	3
As			1	94.517	ug/l	8.27	157,506.78	6.279E-01	Pulse	1.00	3
Mo			1	96.299	ug/l	7.78	868,808.96	4.730E-01	Pulse	0.50	3
Pb			1	93.100	ug/l	8.50	3,981,176.50	8.587E-01	Pulse	1.00	3
Be			1	97.337	ug/l	6.48	5,065.31	2.758E-03	Pulse	2.00	3
Ag			1	94.946	ug/l	6.75	2,852,349.08	1.553E+00	Pulse	0.50	3
Ba			1	92.054	ug/l	6.94	313,865.32	2.153E+01	Pulse	0.50	3
Tl			1	96.909	ug/l	10.70	6,147,496.00	1.326E+00	Mix	0.50	3
Sn			1	92.581	ug/l	8.25	643,575.55	3.504E-01	Pulse	0.30	3
Sr			1	95.499	ug/l	6.48	699,408.09	3.808E-01	Pulse	0.50	3
[Pb]			1	95.257	ug/l	7.30	1,894,964.83	4.086E-01	Pulse	0.50	3
Ca			1	9482.139	ug/l	7.87	293,414.06	1.170E+00	Pulse	0.50	3
Ti			1	92.907	ug/l	8.39	25,876.51	1.032E-01	Pulse	0.50	3
Na			1	9813.102	ug/l	6.10	14,241,132.33	5.675E+01	Analog	1.00	3
Mg			1	9685.740	ug/l	7.17	6,066,238.50	2.418E+01	Analog	1.00	3
K			1	10027.331	ug/l	5.05	6,075,176.67	2.421E+01	Analog	1.00	3
V			1	94.536	ug/l	7.95	1,001,879.02	3.994E+00	Pulse	0.50	3
Mn			1	93.381	ug/l	7.28	567,949.04	2.264E+00	Pulse	0.50	3
Fe			1	9649.851	ug/l	8.39	104,880,730.67	4.181E+02	Analog	0.50	3
Co			1	93.919	ug/l	7.51	2,287,342.08	9.117E+00	Pulse	0.50	3
Ni			1	93.049	ug/l	7.77	628,837.42	2.507E+00	Pulse	0.50	3
Cu			1	92.826	ug/l	7.70	1,780,302.71	7.096E+00	Pulse	0.50	3
Zn			1	93.161	ug/l	7.62	227,314.65	9.061E-01	Pulse	1.00	3
Cd			1	94.026	ug/l	6.53	357,777.44	1.948E-01	Pulse	0.50	3
Al			1	9533.928	ug/l	6.61	1,680,111.92	9.147E-01	Pulse	1.00	3
Se			1	92.939	ug/l	7.36	8,206.77	3.271E-02	Pulse	3.00	3
Sb			1	94.221	ug/l	7.21	935,314.06	5.092E-01	Pulse	1.00	3
Se			1	95.542	ug/l	5.60	4,071.77	2.793E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,638,701.83	1.16	89.8	Pulse	0.50	3
1	Sc		251,101.25	1.74	107.2	Pulse	0.30	3
1	Ge		203,267.27	2.35	100.9	Pulse	0.30	3
1	In		1,837,046.60	0.52	97.5	Pulse	0.30	3
1	Tb		7,354,772.00	1.19	103.1	Analog	0.50	3
1	Lu		4,015,528.92	1.37	94.0	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Ge		312,356.58	3.58	102.7	Pulse	0.30	3
1	Te		14,573.83	0.80	96.6	Pulse	0.50	3
1	Li		745.57	1.37	99.7	Pulse	0.30	3

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Quantitation Report

File Name 057_CCB.d
File Path C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 12:57
Sample Name CCB
Sample Type CCB
Comment
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.023	ug/l	104.78	1,930.77	7.712E-03	Pulse	0.50	3
As			1	0.025	ug/l	139.97	85.33	3.438E-04	Pulse	1.00	3
Mo			1	0.103	ug/l	43.63	983.37	5.244E-04	Pulse	0.50	3
Pb			1	0.043	ug/l	58.17	2,786.59	5.973E-04	Pulse	1.00	3
Be			1	-0.035	ug/l	-78.74	1.33	7.116E-07	Pulse	2.00	3
Ag			1	0.025	ug/l	66.76	791.36	4.222E-04	Pulse	0.50	3
Ba			1	0.027	ug/l	129.38	106.67	7.409E-03	Pulse	0.50	3
Tl			1	0.121	ug/l	21.46	7,817.87	1.671E-03	Pulse	0.50	3
Sn			1	0.242	ug/l	59.78	2,132.82	1.138E-03	Pulse	0.30	3
Sr			1	0.018	ug/l	172.96	816.02	4.351E-04	Pulse	0.50	3
[Pb]			1	0.046	ug/l	49.75	1,364.06	2.921E-04	Pulse	0.50	3
Ca			1	-0.174	ug/l	-1986.72	309.34	1.239E-03	Pulse	0.50	3
Ti			1	0.057	ug/l	125.97	22.00	8.895E-05	Pulse	0.50	3
Na			1	12.535	ug/l	61.53	37,810.32	1.513E-01	Pulse	1.00	3
Mg			1	3.197	ug/l	96.14	2,130.87	8.615E-03	Pulse	1.00	3
K			1	5.546	ug/l	71.23	31,599.92	1.260E-01	Pulse	1.00	3
V			1	0.013	ug/l	184.28	574.01	2.303E-03	Pulse	0.50	3
Mn			1	0.074	ug/l	38.39	538.68	2.157E-03	Pulse	0.50	3
Fe			1	4.121	ug/l	76.39	48,784.01	1.966E-01	Pulse	0.50	3
Co			1	0.022	ug/l	106.61	598.02	2.419E-03	Pulse	0.50	3
Ni			1	0.013	ug/l	173.71	224.67	9.046E-04	Pulse	0.50	3
Cu			1	-0.232	ug/l	-22.26	11,142.60	4.444E-02	Pulse	0.50	3
Zn			1	-1.159	ug/l	-7.34	1,467.39	5.857E-03	Pulse	1.00	3
Cd			1	0.019	ug/l	70.61	73.33	3.912E-05	Pulse	0.50	3
Al			1	3.617	ug/l	59.85	1,189.37	6.342E-04	Pulse	1.00	3
Se			1	0.029	ug/l	190.00	44.67	1.778E-04	Pulse	3.00	3
Sb			1	0.242	ug/l	45.15	2,751.90	1.468E-03	Pulse	1.00	3
Se			1	-0.437	ug/l	-18.26	42.11	2.859E-03	Pulse	3.00	3

Quantitation Report

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,692,538.50	2.27	90.9	Pulse	0.50	3
1	Sc		251,137.53	2.59	107.2	Pulse	0.30	3
1	Ge		206,575.95	2.08	102.5	Pulse	0.30	3
1	In		1,876,482.70	0.36	99.6	Pulse	0.30	3
1	Tb		7,290,828.00	1.55	102.2	Analog	0.50	3
1	Lu		3,973,109.08	3.03	93.1	Pulse	0.50	3
1	Ge		312,475.71	1.04	102.7	Pulse	0.30	3
1	Te		14,743.33	3.17	97.7	Pulse	0.50	3
1	Li		700.02	12.88	93.6	Pulse	0.30	3

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Quantitation Report

File Name 058SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\14702218m1.b
Method File
Method Path
Acq Time 2/22/2018 13:01
Sample Name FA51737-3F
Sample Type Sample
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.300	ug/l	6.56	3,733.04	1.484E-02	Pulse	0.50	3
As			1	0.135	ug/l	32.31	157.00	6.246E-04	Pulse	1.00	3
Mo			1	0.176	ug/l	50.93	832.03	4.516E-04	Pulse	0.50	3
Pb			1	0.071	ug/l	59.59	2,498.55	5.274E-04	Pulse	1.00	3
Be			1	0.278	ug/l	30.12	10.33	5.625E-06	Pulse	2.00	3
Ag			1	0.066	ug/l	56.53	1,025.37	5.564E-04	Pulse	0.50	3
Ba			1	24.961	ug/l	6.59	39,141.04	2.920E+00	Pulse	0.50	3
Tl			1	0.107	ug/l	26.57	3,549.07	7.505E-04	Pulse	0.50	3
Sn			1	0.822	ug/l	12.81	3,263.65	1.778E-03	Pulse	0.30	3
Sr			1	7.381	ug/l	5.47	27,616.91	1.506E-02	Pulse	0.50	3
[Pb]			1	0.067	ug/l	48.58	1,133.71	2.393E-04	Pulse	0.50	3
Ca			1	735.991	ug/l	6.89	11,702.18	4.660E-02	Pulse	0.50	3
Ti			1	0.345	ug/l	41.99	54.67	2.170E-04	Pulse	0.50	3
Na			1	3835.151	ug/l	7.09	2,800,936.08	1.115E+01	Pulse	1.00	3
Mg			1	238.340	ug/l	5.41	74,885.66	2.981E-01	Pulse	1.00	3
K			1	1128.259	ug/l	6.45	368,764.52	1.468E+00	Pulse	1.00	3
V			1	0.270	ug/l	13.13	1,873.43	7.445E-03	Pulse	0.50	3
Mn			1	26.302	ug/l	8.03	80,128.70	3.191E-01	Pulse	0.50	3
Fe			1	19.144	ug/l	25.34	109,046.10	4.327E-01	Pulse	0.50	3
Co			1	2.436	ug/l	7.35	29,771.59	1.186E-01	Pulse	0.50	3
Ni			1	2.260	ug/l	5.74	7,784.93	3.099E-02	Pulse	0.50	3
Cu			1	-0.318	ug/l	-47.75	12,582.86	5.001E-02	Pulse	0.50	3
Zn			1	15.164	ug/l	6.27	22,424.35	8.928E-02	Pulse	1.00	3
Cd			1	0.042	ug/l	82.80	82.00	4.431E-05	Pulse	0.50	3
Al			1	19.475	ug/l	20.72	2,243.47	1.221E-03	Pulse	1.00	3
Se			1	0.113	ug/l	224.89	47.22	1.872E-04	Pulse	3.00	3
Sb			1	1.056	ug/l	9.76	5,533.85	3.014E-03	Pulse	1.00	3
Se			1	-0.703	ug/l	-11.82	41.67	3.106E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,724,419.67	1.90	91.5	Pulse	0.50	3

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Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Sc		251,348.09	2.19	107.3	Pulse	0.30	3
1	Ge		207,747.00	3.02	103.1	Pulse	0.30	3
1	In		1,834,295.41	1.87	97.3	Pulse	0.30	3
1	Tb		7,229,202.50	2.03	101.4	Analog	0.50	3
1	Lu		3,919,429.08	1.64	91.8	Pulse	0.50	3
1	Ge		313,406.92	3.61	103.0	Pulse	0.30	3
1	Te		13,409.63	1.01	88.9	Pulse	0.50	3
1	Li		674.46	3.77	90.2	Pulse	0.30	3

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Quantitation Report

File Name 0595MPL.d
File Path C:\Agilent\ICPMH\1\DATA\14702218m1.b
Method File
Method Path
Acq Time 2/22/2018 13:06
Sample Name FA51737-4F
Sample Type Sample
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.481	ug/l	3.26	5,076.01	1.996E-02	Pulse	0.50	3
As			1	0.143	ug/l	47.76	165.67	6.508E-04	Pulse	1.00	3
Mo			1	0.107	ug/l	89.53	512.02	2.820E-04	Pulse	0.50	3
Pb			1	0.095	ug/l	36.78	2,863.93	6.365E-04	Pulse	1.00	3
Be			1	0.477	ug/l	7.57	15.17	8.439E-06	Pulse	2.00	3
Ag			1	0.056	ug/l	77.03	858.70	4.736E-04	Pulse	0.50	3
Ba			1	32.553	ug/l	7.19	49,204.35	3.808E+00	Pulse	0.50	3
Tl			1	0.093	ug/l	28.14	2,973.64	6.609E-04	Pulse	0.50	3
Sn			1	0.711	ug/l	6.30	2,815.78	1.566E-03	Pulse	0.30	3
Sr			1	9.421	ug/l	5.12	34,334.54	1.913E-02	Pulse	0.50	3
[Pb]			1	0.088	ug/l	41.77	1,275.39	2.834E-04	Pulse	0.50	3
Ca			1	837.935	ug/l	2.60	13,450.64	5.288E-02	Pulse	0.50	3
Ti			1	0.525	ug/l	17.51	80.67	3.170E-04	Pulse	0.50	3
Na			1	4754.605	ug/l	3.26	3,512,100.33	1.381E+01	Pulse	1.00	3
Mg			1	345.148	ug/l	2.43	109,726.16	4.314E-01	Pulse	1.00	3
K			1	1636.454	ug/l	2.73	528,715.92	2.079E+00	Pulse	1.00	3
V			1	0.421	ug/l	10.92	2,703.53	1.063E-02	Pulse	0.50	3
Mn			1	39.107	ug/l	4.09	120,627.23	4.743E-01	Pulse	0.50	3
Fe			1	43.082	ug/l	12.00	242,031.24	9.513E-01	Pulse	0.50	3
Co			1	2.974	ug/l	3.27	36,798.28	1.447E-01	Pulse	0.50	3
Ni			1	2.821	ug/l	2.10	9,803.18	3.854E-02	Pulse	0.50	3
Cu			1	-0.425	ug/l	-24.85	11,686.91	4.594E-02	Pulse	0.50	3
Zn			1	16.383	ug/l	5.43	24,186.16	9.510E-02	Pulse	1.00	3
Cd			1	0.050	ug/l	89.21	94.00	5.182E-05	Pulse	0.50	3
Al			1	48.819	ug/l	11.34	4,726.26	2.628E-03	Pulse	1.00	3
Se			1	0.098	ug/l	238.67	47.00	1.847E-04	Pulse	3.00	3
Sb			1	0.821	ug/l	3.98	4,271.17	2.378E-03	Pulse	1.00	3
Se			1	-0.444	ug/l	-61.93	45.00	3.479E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,493,451.17	0.80	87.0	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Sc		254,357.03	0.41	108.6	Pulse	0.30	3
1	Ge		221,980.50	9.16	110.2	Pulse	0.30	3
1	In		1,796,447.04	2.44	95.3	Pulse	0.30	3
1	Tb		6,949,849.83	1.21	97.5	Analog	0.50	3
1	Lu		3,769,358.83	2.99	88.3	Pulse	0.50	3
1	Ge		332,558.45	10.08	109.3	Pulse	0.30	3
1	Te		12,933.93	2.05	85.7	Pulse	0.50	3
1	Li		663.35	3.52	88.7	Pulse	0.30	3

Quantitation Report

File Name 060SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 13:11
Sample Name BLANK
Sample Type Sample
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step **Tune File**
1

7.1

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Quantitation Report

File Name 061SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\sa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 13:15
Sample Name FA51672-26
Sample Type Sample
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step **Tune File**
 1

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	10.994	ug/l	0.74	81,665.06	3.164E-01	Pulse	0.50	3
As			1	0.578	ug/l	6.30	540.34	2.094E-03	Pulse	1.00	3
Mo			1	0.191	ug/l	34.92	877.36	4.890E-04	Pulse	0.50	3
Pb			1	1.491	ug/l	3.59	31,350.69	7.074E-03	Pulse	1.00	3
Be			1	-0.048	ug/l	-115.91	1.83	1.017E-06	Pulse	2.00	3
Ag			1	0.045	ug/l	66.83	688.69	3.827E-04	Pulse	0.50	3
Ba			1	34.550	ug/l	3.28	52,915.21	4.042E+00	Pulse	0.50	3
Tl			1	0.049	ug/l	51.13	1,585.43	3.552E-04	Pulse	0.50	3
Sn			1	0.788	ug/l	33.39	3,074.80	1.713E-03	Pulse	0.30	3
Sr			1	566.785	ug/l	2.02	2,018,570.88	1.129E+00	Pulse	0.50	3
[Pb]			1	1.545	ug/l	0.55	15,110.75	3.408E-03	Pulse	0.50	3
Ca			1	36321.855	ug/l	1.74	577,713.59	2.239E+00	Pulse	0.50	3
Ti			1	0.364	ug/l	18.38	58.67	2.272E-04	Pulse	0.50	3
Na			1	10445.098	ug/l	2.47	7,802,413.33	3.024E+01	Analog	1.00	3
Mg			1	8486.114	ug/l	2.16	2,732,942.42	1.059E+01	Pulse	1.00	3
K			1	931.812	ug/l	2.42	317,921.12	1.232E+00	Pulse	1.00	3
V			1	0.726	ug/l	2.70	4,406.51	1.708E-02	Pulse	0.50	3
Mn			1	32.241	ug/l	1.78	100,919.67	3.911E-01	Pulse	0.50	3
Fe			1	77.914	ug/l	6.05	440,210.68	1.706E+00	Pulse	0.50	3
Co			1	0.144	ug/l	26.79	1,884.77	7.300E-03	Pulse	0.50	3
Ni			1	4.840	ug/l	2.16	16,961.48	6.574E-02	Pulse	0.50	3
Cu			1	4.163	ug/l	3.42	56,705.70	2.198E-01	Pulse	0.50	3
Zn			1	17.245	ug/l	2.99	25,596.62	9.921E-02	Pulse	1.00	3
Cd			1	0.026	ug/l	114.25	48.67	2.691E-05	Pulse	0.50	3
Al			1	55.046	ug/l	5.62	5,235.69	2.927E-03	Pulse	1.00	3
Se			1	-0.053	ug/l	-409.97	40.78	1.583E-04	Pulse	3.00	3
Sb			1	0.855	ug/l	6.77	4,423.54	2.473E-03	Pulse	1.00	3
Se			1	-0.650	ug/l	-45.50	41.78	3.183E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,433,472.83	2.66	85.9	Pulse	0.50	3
1	Sc		258,089.58	1.98	110.2	Pulse	0.30	3
1	Ge		210,934.92	3.24	104.7	Pulse	0.30	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	In		1,788,037.22	1.91	94.9	Pulse	0.30	3
1	Tb		6,995,065.00	1.39	98.1	Analog	0.50	3
1	Lu		3,769,954.25	2.01	88.3	Pulse	0.50	3
1	Ge		315,740.65	3.81	103.8	Pulse	0.30	3
1	Te		13,102.07	3.29	86.8	Pulse	0.50	3
1	Li		610.01	8.48	81.6	Pulse	0.30	3

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Quantitation Report

File Name 062SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\14702218m1.b
Method File
Method Path
Acq Time 2/22/2018 13:20
Sample Name FA51836-1F
Sample Type Sample
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.338	ug/l	8.14	4,093.12	1.592E-02	Pulse	0.50	3
As			1	0.145	ug/l	22.01	169.33	6.583E-04	Pulse	1.00	3
Mo			1	0.092	ug/l	87.85	440.01	2.452E-04	Pulse	0.50	3
Pb			1	0.352	ug/l	1.94	8,212.32	1.821E-03	Pulse	1.00	3
Be			1	0.336	ug/l	25.44	11.50	6.451E-06	Pulse	2.00	3
Ag			1	0.063	ug/l	56.95	953.37	5.326E-04	Pulse	0.50	3
Ba			1	62.665	ug/l	9.28	94,382.17	7.330E+00	Pulse	0.50	3
Tl			1	0.059	ug/l	36.13	1,933.48	4.257E-04	Pulse	0.50	3
Sn			1	0.591	ug/l	9.23	2,386.84	1.340E-03	Pulse	0.30	3
Sr			1	5.270	ug/l	4.78	19,320.59	1.086E-02	Pulse	0.50	3
[Pb]			1	0.365	ug/l	3.60	3,960.48	8.779E-04	Pulse	0.50	3
Ca			1	495.135	ug/l	4.27	8,164.39	3.176E-02	Pulse	0.50	3
Ti			1	0.201	ug/l	55.01	35.33	1.373E-04	Pulse	0.50	3
Na			1	3252.463	ug/l	5.45	2,433,877.92	9.471E+00	Pulse	1.00	3
Mg			1	447.506	ug/l	4.16	143,707.39	5.592E-01	Pulse	1.00	3
K			1	244.218	ug/l	2.33	104,371.18	4.061E-01	Pulse	1.00	3
V			1	0.495	ug/l	11.61	3,136.26	1.220E-02	Pulse	0.50	3
Mn			1	4.109	ug/l	3.46	12,893.63	5.017E-02	Pulse	0.50	3
Fe			1	10.464	ug/l	55.35	63,031.81	2.447E-01	Pulse	0.50	3
Co			1	3.540	ug/l	3.09	44,241.79	1.721E-01	Pulse	0.50	3
Ni			1	4.678	ug/l	6.13	16,329.62	6.354E-02	Pulse	0.50	3
Cu			1	-0.175	ug/l	-50.21	14,242.65	5.540E-02	Pulse	0.50	3
Zn			1	18.467	ug/l	6.73	26,993.54	1.050E-01	Pulse	1.00	3
Cd			1	0.053	ug/l	58.59	99.33	5.548E-05	Pulse	0.50	3
Al			1	112.546	ug/l	2.33	10,118.25	5.685E-03	Pulse	1.00	3
Se			1	0.124	ug/l	72.47	48.67	1.893E-04	Pulse	3.00	3
Sb			1	0.673	ug/l	1.17	3,527.01	1.981E-03	Pulse	1.00	3
Se			1	-0.254	ug/l	-46.96	48.44	3.753E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,508,873.00	3.23	87.3	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Sc		257,039.81	0.72	109.7	Pulse	0.30	3
1	Ge		221,908.49	10.50	110.2	Pulse	0.30	3
1	In		1,780,087.57	1.50	94.5	Pulse	0.30	3
1	Tb		6,860,887.17	0.88	96.2	Analog	0.50	3
1	Lu		3,705,386.00	1.63	86.8	Pulse	0.50	3
1	Ge		332,316.02	11.88	109.2	Pulse	0.30	3
1	Te		12,911.92	4.40	85.6	Pulse	0.50	3
1	Li		696.68	3.74	93.2	Pulse	0.30	3

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Quantitation Report

File Name 063SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 13:24
Sample Name FA51836-2F
Sample Type Sample
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.379	ug/l	9.64	4,408.52	1.708E-02	Pulse	0.50	3
As			1	0.124	ug/l	28.93	151.33	5.868E-04	Pulse	1.00	3
Mo			1	0.090	ug/l	105.25	420.68	2.420E-04	Pulse	0.50	3
Pb			1	0.079	ug/l	37.55	2,455.53	5.640E-04	Pulse	1.00	3
Be			1	0.678	ug/l	38.70	20.00	1.128E-05	Pulse	2.00	3
Ag			1	0.061	ug/l	51.81	908.70	5.196E-04	Pulse	0.50	3
Ba			1	74.025	ug/l	1.99	110,448.37	8.658E+00	Pulse	0.50	3
Tl			1	0.093	ug/l	22.83	2,865.61	6.584E-04	Pulse	0.50	3
Sn			1	0.567	ug/l	13.25	2,281.27	1.295E-03	Pulse	0.30	3
Sr			1	16.980	ug/l	1.45	60,253.13	3.418E-02	Pulse	0.50	3
[Pb]			1	0.085	ug/l	34.29	1,208.72	2.775E-04	Pulse	0.50	3
Ca			1	1605.857	ug/l	1.07	25,865.04	1.002E-01	Pulse	0.50	3
Ti			1	0.211	ug/l	56.32	36.67	1.427E-04	Pulse	0.50	3
Na			1	10762.334	ug/l	2.02	8,043,438.50	3.116E+01	Analog	1.00	3
Mg			1	647.505	ug/l	1.57	208,781.77	8.088E-01	Pulse	1.00	3
K			1	2231.421	ug/l	0.94	721,211.65	2.794E+00	Pulse	1.00	3
V			1	0.495	ug/l	11.16	3,149.60	1.221E-02	Pulse	0.50	3
Mn			1	21.110	ug/l	1.44	66,139.30	2.562E-01	Pulse	0.50	3
Fe			1	11.113	ug/l	47.94	66,596.96	2.587E-01	Pulse	0.50	3
Co			1	5.222	ug/l	2.60	65,503.23	2.538E-01	Pulse	0.50	3
Ni			1	5.848	ug/l	1.48	20,475.53	7.931E-02	Pulse	0.50	3
Cu			1	0.150	ug/l	59.31	17,480.63	6.772E-02	Pulse	0.50	3
Zn			1	20.067	ug/l	1.86	29,087.55	1.127E-01	Pulse	1.00	3
Cd			1	0.077	ug/l	51.20	140.00	8.004E-05	Pulse	0.50	3
Al			1	50.453	ug/l	13.15	4,763.92	2.707E-03	Pulse	1.00	3
Se			1	0.042	ug/l	436.29	45.11	1.749E-04	Pulse	3.00	3
Sb			1	0.612	ug/l	6.72	3,197.62	1.816E-03	Pulse	1.00	3
Se			1	-0.270	ug/l	-150.26	47.44	3.731E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,356,136.00	2.02	84.4	Pulse	0.50	3
1	Sc		258,188.67	1.67	110.2	Pulse	0.30	3
1	Ge		222,820.67	10.86	110.6	Pulse	0.30	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	In		1,763,182.64	2.82	93.6	Pulse	0.30	3
1	Tb		6,847,513.00	3.34	96.0	Analog	0.50	3
1	Lu		3,652,751.33	1.03	85.6	Pulse	0.50	3
1	Ge		335,175.16	9.73	110.2	Pulse	0.30	3
1	Te		12,762.52	3.44	84.6	Pulse	0.50	3
1	Li		693.35	10.04	92.7	Pulse	0.30	3

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Quantitation Report

File Name 064SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\sa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 13:29
Sample Name FA51672-23
Sample Type Sample
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.577	ug/l	8.90	5,906.25	2.268E-02	Pulse	0.50	3
As			1	0.624	ug/l	13.54	585.01	2.247E-03	Pulse	1.00	3
Mo			1	0.150	ug/l	47.28	678.69	3.882E-04	Pulse	0.50	3
Pb			1	0.416	ug/l	5.26	9,095.44	2.116E-03	Pulse	1.00	3
Be			1	-0.032	ug/l	-201.14	2.17	1.238E-06	Pulse	2.00	3
Ag			1	0.043	ug/l	62.37	648.69	3.709E-04	Pulse	0.50	3
Ba			1	35.698	ug/l	2.32	53,160.56	4.176E+00	Pulse	0.50	3
Tl			1	0.043	ug/l	51.98	1,352.07	3.139E-04	Pulse	0.50	3
Sn			1	0.586	ug/l	16.95	2,324.61	1.331E-03	Pulse	0.30	3
Sr			1	584.166	ug/l	0.78	2,031,626.17	1.164E+00	Pulse	0.50	3
[Pb]			1	0.433	ug/l	6.26	4,399.92	1.024E-03	Pulse	0.50	3
Ca			1	36500.541	ug/l	1.15	585,837.71	2.250E+00	Pulse	0.50	3
Ti			1	1.006	ug/l	7.42	152.00	5.840E-04	Pulse	0.50	3
Na			1	10695.472	ug/l	0.80	8,062,789.83	3.096E+01	Analog	1.00	3
Mg			1	8571.938	ug/l	0.09	2,786,116.67	1.070E+01	Pulse	1.00	3
K			1	937.035	ug/l	0.89	322,482.67	1.238E+00	Pulse	1.00	3
V			1	0.716	ug/l	9.84	4,395.18	1.688E-02	Pulse	0.50	3
Mn			1	10.505	ug/l	1.50	33,248.42	1.277E-01	Pulse	0.50	3
Fe			1	31.106	ug/l	14.31	180,178.83	6.918E-01	Pulse	0.50	3
Co			1	0.100	ug/l	39.29	1,350.06	5.180E-03	Pulse	0.50	3
Ni			1	0.602	ug/l	12.33	2,257.47	8.667E-03	Pulse	0.50	3
Cu			1	4.390	ug/l	1.73	59,466.62	2.284E-01	Pulse	0.50	3
Zn			1	7.675	ug/l	1.93	13,941.04	5.354E-02	Pulse	1.00	3
Cd			1	0.026	ug/l	135.50	48.67	2.777E-05	Pulse	0.50	3
Al			1	66.870	ug/l	9.53	6,100.95	3.494E-03	Pulse	1.00	3
Se			1	-0.050	ug/l	-302.23	41.33	1.587E-04	Pulse	3.00	3
Sb			1	0.599	ug/l	1.94	3,106.27	1.779E-03	Pulse	1.00	3
Se			1	-0.638	ug/l	-68.78	40.78	3.201E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,297,237.67	0.70	83.2	Pulse	0.50	3
1	Sc		260,405.19	1.13	111.2	Pulse	0.30	3
1	Ge		228,252.30	13.61	113.3	Pulse	0.30	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	In		1,745,671.81	0.73	92.6	Pulse	0.30	3
1	Tb		6,886,869.33	0.97	96.6	Analog	0.50	3
1	Lu		3,671,130.67	1.38	86.0	Pulse	0.50	3
1	Ge		339,375.28	13.35	111.5	Pulse	0.30	3
1	Te		12,731.79	0.69	84.4	Pulse	0.50	3
1	Li		696.68	12.38	93.2	Pulse	0.30	3

Quantitation Report

File Name 065SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 13:34
Sample Name FA51672-24
Sample Type Sample
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.542	ug/l	6.74	5,506.13	2.168E-02	Pulse	0.50	3
As			1	0.677	ug/l	3.56	615.68	2.423E-03	Pulse	1.00	3
Mo			1	0.120	ug/l	63.37	562.68	3.140E-04	Pulse	0.50	3
Pb			1	0.302	ug/l	4.43	6,989.78	1.594E-03	Pulse	1.00	3
Be			1	-0.047	ug/l	-60.86	1.83	1.030E-06	Pulse	2.00	3
Ag			1	0.038	ug/l	63.21	590.68	3.295E-04	Pulse	0.50	3
Ba			1	37.418	ug/l	3.57	56,084.91	4.377E+00	Pulse	0.50	3
Tl			1	0.035	ug/l	54.75	1,158.06	2.605E-04	Pulse	0.50	3
Sn			1	0.567	ug/l	4.73	2,287.94	1.294E-03	Pulse	0.30	3
Sr			1	611.947	ug/l	4.40	2,150,880.00	1.219E+00	Pulse	0.50	3
[Pb]			1	0.318	ug/l	7.50	3,410.35	7.774E-04	Pulse	0.50	3
Ca			1	39516.512	ug/l	4.69	617,941.02	2.436E+00	Pulse	0.50	3
Ti			1	0.156	ug/l	39.37	28.67	1.120E-04	Pulse	0.50	3
Na			1	11511.709	ug/l	4.18	8,454,724.33	3.332E+01	Analog	1.00	3
Mg			1	9244.219	ug/l	4.89	2,927,137.00	1.154E+01	Pulse	1.00	3
K			1	1001.777	ug/l	3.34	334,076.57	1.316E+00	Pulse	1.00	3
V			1	0.666	ug/l	7.36	4,017.76	1.580E-02	Pulse	0.50	3
Mn			1	10.359	ug/l	3.79	31,956.36	1.259E-01	Pulse	0.50	3
Fe			1	11.800	ug/l	34.57	70,042.92	2.736E-01	Pulse	0.50	3
Co			1	0.069	ug/l	57.44	939.37	3.652E-03	Pulse	0.50	3
Ni			1	0.197	ug/l	2.96	815.35	3.211E-03	Pulse	0.50	3
Cu			1	4.278	ug/l	3.08	56,895.72	2.241E-01	Pulse	0.50	3
Zn			1	6.006	ug/l	8.06	11,561.48	4.557E-02	Pulse	1.00	3
Cd			1	0.027	ug/l	97.43	50.67	2.803E-05	Pulse	0.50	3
Al			1	44.742	ug/l	5.27	4,301.81	2.433E-03	Pulse	1.00	3
Se			1	-0.115	ug/l	-97.62	37.45	1.475E-04	Pulse	3.00	3
Sb			1	0.545	ug/l	0.26	2,886.57	1.634E-03	Pulse	1.00	3
Se			1	-0.463	ug/l	-96.97	44.11	3.453E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,385,254.33	5.18	84.9	Pulse	0.50	3
1	Sc		253,992.18	3.68	108.4	Pulse	0.30	3
1	Ge		237,082.30	23.90	117.7	Pulse	0.30	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	In		1,766,133.79	3.76	93.7	Pulse	0.30	3
1	Tb		6,997,755.33	2.12	98.1	Analog	0.50	3
1	Lu		3,720,230.83	3.67	87.1	Pulse	0.50	3
1	Ge		352,223.07	21.23	115.8	Pulse	0.30	3
1	Te		12,824.55	3.49	85.0	Pulse	0.50	3
1	Li		671.13	9.51	89.7	Pulse	0.30	3

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Quantitation Report

File Name 066SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 13:38
Sample Name FA51672-25
Sample Type Sample
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.477	ug/l	0.99	5,095.35	1.984E-02	Pulse	0.50	3
As			1	0.115	ug/l	31.04	144.00	5.590E-04	Pulse	1.00	3
Mo			1	0.062	ug/l	105.39	306.01	1.720E-04	Pulse	0.50	3
Pb			1	0.134	ug/l	16.06	3,648.40	8.171E-04	Pulse	1.00	3
Be			1	-0.099	ug/l	-20.54	0.50	2.851E-07	Pulse	2.00	3
Ag			1	0.043	ug/l	78.80	657.35	3.704E-04	Pulse	0.50	3
Ba			1	0.156	ug/l	39.33	239.34	1.927E-02	Pulse	0.50	3
Tl			1	0.039	ug/l	73.24	1,292.08	2.869E-04	Pulse	0.50	3
Sn			1	0.523	ug/l	9.07	2,129.02	1.212E-03	Pulse	0.30	3
Sr			1	0.612	ug/l	4.56	2,778.88	1.582E-03	Pulse	0.50	3
[Pb]			1	0.132	ug/l	18.89	1,694.76	3.795E-04	Pulse	0.50	3
Ca			1	81.218	ug/l	5.80	1,609.40	6.264E-03	Pulse	0.50	3
Ti			1	0.145	ug/l	70.10	27.33	1.057E-04	Pulse	0.50	3
Na			1	53.400	ug/l	22.58	60,001.28	2.331E-01	Pulse	1.00	3
Mg			1	20.193	ug/l	27.02	6,660.56	2.584E-02	Pulse	1.00	3
K			1	16.202	ug/l	19.19	33,953.17	1.321E-01	Pulse	1.00	3
V			1	0.442	ug/l	11.70	2,848.89	1.108E-02	Pulse	0.50	3
Mn			1	0.185	ug/l	28.92	671.35	2.605E-03	Pulse	0.50	3
Fe			1	9.555	ug/l	49.53	58,141.19	2.250E-01	Pulse	0.50	3
Co			1	0.052	ug/l	79.33	743.36	2.867E-03	Pulse	0.50	3
Ni			1	0.096	ug/l	35.88	477.34	1.852E-03	Pulse	0.50	3
Cu			1	-0.662	ug/l	-16.54	9,509.09	3.696E-02	Pulse	0.50	3
Zn			1	8.494	ug/l	10.11	14,742.99	5.745E-02	Pulse	1.00	3
Cd			1	0.031	ug/l	131.69	58.00	3.242E-05	Pulse	0.50	3
Al			1	18.990	ug/l	21.97	2,108.12	1.198E-03	Pulse	1.00	3
Se			1	-0.034	ug/l	-161.52	41.45	1.615E-04	Pulse	3.00	3
Sb			1	0.483	ug/l	5.93	2,578.52	1.468E-03	Pulse	1.00	3
Se			1	-0.629	ug/l	-50.57	39.78	3.214E-03	Pulse	3.00	3

Quantitation Report

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,456,848.33	2.30	86.3	Pulse	0.50	3
1	Sc		256,871.02	2.09	109.6	Pulse	0.30	3
1	Ge		229,257.40	17.52	113.8	Pulse	0.30	3
1	In		1,755,418.99	2.19	93.1	Pulse	0.30	3
1	Tb		7,019,790.83	2.42	98.4	Analog	0.50	3
1	Lu		3,710,278.25	1.64	86.9	Pulse	0.50	3
1	Ge		343,011.03	16.98	112.7	Pulse	0.30	3
1	Te		12,352.89	2.17	81.9	Pulse	0.50	3
1	Li		710.02	10.83	94.9	Pulse	0.30	3

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Quantitation Report

File Name 067SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\18m1.b
Method File
Method Path
Acq Time 2/22/2018 13:43
Sample Name FA51184-1E
Sample Type Sample
Comment
Prep Dilution 10.000
Auto Dilution N/A
Total Dilution 10.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	213.456	ug/l	3.06	326,391.12	1.210E+00	Pulse	0.50	3
As			1	96.093	ug/l	4.75	17,252.46	6.399E-02	Pulse	1.00	3
Mo			1	179.214	ug/l	3.71	162,981.09	8.805E-02	Pulse	0.50	3
Pb			1	129.275	ug/l	1.94	545,533.15	1.194E-01	Pulse	1.00	3
Be			1	361.346	ug/l	2.30	1,897.26	1.025E-03	Pulse	2.00	3
Ag			1	351.131	ug/l	1.85	1,063,294.23	5.743E-01	Pulse	0.50	3
Ba			1	1655.525	ug/l	3.23	549,452.50	3.872E+01	Pulse	0.50	3
Tl			1	450.713	ug/l	3.14	2,818,086.50	6.168E-01	Pulse	0.50	3
Sn			1	0.677	ug/l	39.79	885.58	4.783E-04	Pulse	0.30	3
Sr			1	417.026	ug/l	1.84	308,213.68	1.665E-01	Pulse	0.50	3
[Pb]			1	134.048	ug/l	3.73	263,050.83	5.759E-02	Pulse	0.50	3
Ca			1	2037.865	ug/l	0.80	7,113.99	2.637E-02	Pulse	0.50	3
Ti			1	1.257	ug/l	39.20	44.67	1.649E-04	Pulse	0.50	3
Na			1	143.166	ug/l	35.52	43,693.18	1.616E-01	Pulse	1.00	3
Mg			1	27.857	ug/l	78.74	2,064.86	7.588E-03	Pulse	1.00	3
K			1	70.801	ug/l	40.96	35,000.02	1.297E-01	Pulse	1.00	3
V			1	632.207	ug/l	3.05	720,380.92	2.671E+00	Pulse	0.50	3
Mn			1	250.145	ug/l	4.35	163,583.35	6.067E-01	Pulse	0.50	3
Fe			1	1782.234	ug/l	3.09	2,087,408.71	7.739E+00	Pulse	0.50	3
Co			1	816.329	ug/l	3.21	2,136,997.92	7.924E+00	Pulse	0.50	3
Ni			1	866.625	ug/l	3.35	629,549.69	2.335E+00	Pulse	0.50	3
Cu			1	570.128	ug/l	3.81	1,181,717.29	4.382E+00	Pulse	0.50	3
Zn			1	604.503	ug/l	4.10	160,127.11	5.939E-01	Pulse	1.00	3
Cd			1	428.583	ug/l	3.29	164,347.48	8.879E-02	Pulse	0.50	3
Al			1	3908.225	ug/l	2.87	69,923.95	3.777E-02	Pulse	1.00	3
Se			1	635.332	ug/l	3.77	6,043.96	2.241E-02	Pulse	3.00	3
Sb			1	597.202	ug/l	2.74	597,584.94	3.228E-01	Pulse	1.00	3
Se			1	734.858	ug/l	4.89	3,061.25	2.158E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,569,692.17	1.53	88.5	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Sc		269,812.37	2.44	115.2	Pulse	0.30	3
1	Ge		231,287.14	15.51	114.8	Pulse	0.30	3
1	In		1,851,665.14	1.52	98.3	Pulse	0.30	3
1	Tb		7,178,992.33	0.64	100.7	Analog	0.50	3
1	Lu		3,835,339.67	1.12	89.8	Pulse	0.50	3
1	Ge		349,406.85	16.83	114.8	Pulse	0.30	3
1	Te		14,196.89	2.59	94.1	Pulse	0.50	3
1	Li		837.80	3.76	112.0	Pulse	0.30	3

Quantitation Report

File Name 068CCVA.d
File Path C:\Agilent\ICPMH\1\DATA\sa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 13:48
Sample Name CCV (Ag)
Sample Type CCV_Ag
Comment =std 4
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	47.087	ug/l	4.04	694,401.48	2.662E+00	Pulse	0.50	3
As			1	46.335	ug/l	3.23	80,319.36	3.079E-01	Pulse	1.00	3
Mo			1	48.322	ug/l	0.70	442,396.93	2.374E-01	Pulse	0.50	3
Pb			1	46.333	ug/l	2.34	1,950,065.83	4.274E-01	Pulse	1.00	3
Be			1	51.502	ug/l	1.99	2,720.85	1.460E-03	Pulse	2.00	3
Ag			1	47.738	ug/l	1.86	1,455,148.79	7.808E-01	Pulse	0.50	3
Ba			1	45.739	ug/l	2.15	156,720.91	1.070E+01	Pulse	0.50	3
Tl			1	47.020	ug/l	2.23	2,935,925.83	6.435E-01	Pulse	0.50	3
Sn			1	46.877	ug/l	3.16	330,857.51	1.775E-01	Pulse	0.30	3
Sr			1	49.279	ug/l	1.33	366,515.99	1.967E-01	Pulse	0.50	3
[Pb]			1	46.834	ug/l	2.21	916,876.29	2.010E-01	Pulse	0.50	3
Ca			1	4815.473	ug/l	2.53	155,124.89	5.946E-01	Pulse	0.50	3
Ti			1	47.594	ug/l	1.72	13,792.23	5.285E-02	Pulse	0.50	3
Na			1	5029.117	ug/l	2.40	7,598,526.00	2.912E+01	Analog	1.00	3
Mg			1	4742.506	ug/l	3.60	3,088,298.67	1.184E+01	Pulse	1.00	3
K			1	4829.630	ug/l	2.38	3,057,265.58	1.172E+01	Pulse	1.00	3
V			1	47.119	ug/l	2.75	519,523.25	1.991E+00	Pulse	0.50	3
Mn			1	46.929	ug/l	2.22	296,866.04	1.138E+00	Pulse	0.50	3
Fe			1	4856.613	ug/l	2.72	54,898,277.33	2.104E+02	Analog	0.50	3
Co			1	46.527	ug/l	3.88	1,178,217.29	4.517E+00	Pulse	0.50	3
Ni			1	47.125	ug/l	1.70	331,304.15	1.270E+00	Pulse	0.50	3
Cu			1	46.388	ug/l	3.62	933,174.17	3.577E+00	Pulse	0.50	3
Zn			1	45.659	ug/l	3.63	118,090.65	4.527E-01	Pulse	1.00	3
Cd			1	47.201	ug/l	1.63	182,234.29	9.778E-02	Pulse	0.50	3
Al			1	5047.393	ug/l	1.22	902,789.40	4.844E-01	Pulse	1.00	3
Se			1	45.581	ug/l	1.84	4,208.13	1.613E-02	Pulse	3.00	3
Sb			1	46.437	ug/l	1.24	467,884.22	2.511E-01	Pulse	1.00	3
Se			1	48.959	ug/l	3.19	2,126.23	1.452E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,563,309.33	1.52	88.4	Pulse	0.50	3
1	Sc		260,983.65	1.97	111.4	Pulse	0.30	3
1	Ge		209,692.81	3.61	104.1	Pulse	0.30	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	In		1,863,767.77	0.50	98.9	Pulse	0.30	3
1	Tb		7,207,073.50	1.36	101.1	Analog	0.50	3
1	Lu		3,906,302.17	2.00	91.5	Pulse	0.50	3
1	Ge		314,240.43	2.62	103.3	Pulse	0.30	3
1	Te		14,649.28	0.59	97.1	Pulse	0.50	3
1	Li		750.02	2.70	100.3	Pulse	0.30	3

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Quantitation Report

File Name 069_CC.V.d
File Path C:\Agilent\ICPMH\1\DATA\wa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 13:52
Sample Name CCV
Sample Type CCV
Comment =std 5
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step **Tune File**
 1

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	96.350	ug/l	1.08	1,386,537.29	5.441E+00	Pulse	0.50	3
As			1	96.664	ug/l	1.34	163,632.40	6.421E-01	Pulse	1.00	3
Mo			1	99.627	ug/l	1.01	901,134.92	4.894E-01	Pulse	0.50	3
Pb			1	96.539	ug/l	1.36	4,077,175.08	8.904E-01	Pulse	1.00	3
Be			1	105.019	ug/l	3.07	5,477.07	2.975E-03	Pulse	2.00	3
Ag			1	99.117	ug/l	1.74	2,984,888.42	1.621E+00	Pulse	0.50	3
Ba			1	96.603	ug/l	4.00	323,675.51	2.260E+01	Pulse	0.50	3
Tl			1	101.502	ug/l	7.30	6,360,127.00	1.389E+00	Mix	0.50	3
Sn			1	97.458	ug/l	2.01	679,100.56	3.688E-01	Pulse	0.30	3
Sr			1	100.048	ug/l	0.73	734,515.37	3.989E-01	Pulse	0.50	3
[Pb]			1	98.922	ug/l	1.31	1,943,204.04	4.244E-01	Pulse	0.50	3
Ca			1	9860.762	ug/l	1.16	309,931.23	1.216E+00	Pulse	0.50	3
Ti			1	97.057	ug/l	0.26	27,462.58	1.078E-01	Pulse	0.50	3
Na			1	10213.723	ug/l	0.77	15,052,703.33	5.907E+01	Analog	1.00	3
Mg			1	10193.248	ug/l	0.54	6,484,500.83	2.544E+01	Analog	1.00	3
K			1	10300.639	ug/l	0.38	6,336,625.67	2.486E+01	Analog	1.00	3
V			1	98.388	ug/l	0.77	1,059,158.38	4.156E+00	Pulse	0.50	3
Mn			1	96.800	ug/l	0.49	598,028.10	2.347E+00	Pulse	0.50	3
Fe			1	10179.796	ug/l	0.63	112,399,706.67	4.410E+02	Analog	0.50	3
Co			1	96.398	ug/l	0.27	2,384,832.75	9.358E+00	Pulse	0.50	3
Ni			1	94.955	ug/l	0.83	651,842.79	2.558E+00	Pulse	0.50	3
Cu			1	94.901	ug/l	1.00	1,848,443.46	7.253E+00	Pulse	0.50	3
Zn			1	95.231	ug/l	1.31	235,926.03	9.258E-01	Pulse	1.00	3
Cd			1	97.570	ug/l	0.93	372,180.54	2.021E-01	Pulse	0.50	3
Al			1	10231.934	ug/l	2.01	1,807,408.29	9.817E-01	Pulse	1.00	3
Se			1	95.378	ug/l	0.64	8,554.03	3.356E-02	Pulse	3.00	3
Sb			1	98.066	ug/l	1.55	975,865.29	5.300E-01	Pulse	1.00	3
Se			1	103.523	ug/l	3.87	4,331.16	3.023E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,579,227.50	0.56	88.7	Pulse	0.50	3
1	Sc		254,857.61	1.39	108.8	Pulse	0.30	3
1	Ge		204,830.60	2.15	101.7	Pulse	0.30	3
1	In		1,841,497.22	1.62	97.7	Pulse	0.30	3
1	Tb		7,316,386.17	2.03	102.6	Analog	0.50	3
1	Lu		3,965,951.83	0.71	92.9	Pulse	0.50	3

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Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Ge		308,148.60	3.17	101.3	Pulse	0.30	3
1	Te		14,342.34	4.75	95.1	Pulse	0.50	3
1	Li		702.24	12.49	93.9	Pulse	0.30	3

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7

Quantitation Report

File Name 070_CCB.d
File Path C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 13:57
Sample Name CCB
Sample Type CCB
Comment
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.025	ug/l	73.80	1,959.44	7.807E-03	Pulse	0.50	3
As			1	0.021	ug/l	108.40	79.00	3.143E-04	Pulse	1.00	3
Mo			1	0.116	ug/l	38.83	1,104.71	5.889E-04	Pulse	0.50	3
Pb			1	0.040	ug/l	54.62	2,692.57	5.685E-04	Pulse	1.00	3
Be			1	0.003	ug/l	648.93	3.33	1.777E-06	Pulse	2.00	3
Ag			1	0.023	ug/l	63.81	738.69	3.937E-04	Pulse	0.50	3
Ba			1	0.024	ug/l	97.30	97.33	6.580E-03	Pulse	0.50	3
Tl			1	0.118	ug/l	17.70	7,750.50	1.637E-03	Pulse	0.50	3
Sn			1	0.485	ug/l	118.64	3,858.65	2.056E-03	Pulse	0.30	3
Sr			1	0.025	ug/l	145.92	869.36	4.634E-04	Pulse	0.50	3
[Pb]			1	0.041	ug/l	50.46	1,278.06	2.698E-04	Pulse	0.50	3
Ca			1	0.529	ug/l	262.59	332.67	1.325E-03	Pulse	0.50	3
Ti			1	0.042	ug/l	90.76	18.00	7.164E-05	Pulse	0.50	3
Na			1	11.570	ug/l	38.83	36,584.27	1.457E-01	Pulse	1.00	3
Mg			1	3.114	ug/l	72.95	2,114.83	8.408E-03	Pulse	1.00	3
K			1	4.907	ug/l	41.88	31,224.97	1.245E-01	Pulse	1.00	3
V			1	0.008	ug/l	247.97	528.68	2.104E-03	Pulse	0.50	3
Mn			1	0.061	ug/l	30.87	462.68	1.843E-03	Pulse	0.50	3
Fe			1	6.158	ug/l	70.06	71,621.71	2.848E-01	Pulse	0.50	3
Co			1	0.019	ug/l	80.99	552.01	2.195E-03	Pulse	0.50	3
Ni			1	0.013	ug/l	108.43	228.67	9.101E-04	Pulse	0.50	3
Cu			1	-0.192	ug/l	-43.23	11,919.76	4.749E-02	Pulse	0.50	3
Zn			1	-1.242	ug/l	-6.51	1,270.71	5.062E-03	Pulse	1.00	3
Cd			1	0.020	ug/l	61.52	80.00	4.264E-05	Pulse	0.50	3
Al			1	4.710	ug/l	61.59	1,386.39	7.390E-04	Pulse	1.00	3
Se			1	-0.008	ug/l	-894.53	41.33	1.648E-04	Pulse	3.00	3
Sb			1	0.160	ug/l	46.87	1,925.45	1.026E-03	Pulse	1.00	3
Se			1	-0.505	ug/l	-30.19	39.78	2.666E-03	Pulse	3.00	3

Quantitation Report

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,729,837.00	0.78	91.6	Pulse	0.50	3
1	Sc		250,858.23	0.59	107.1	Pulse	0.30	3
1	Ge		204,465.57	2.16	101.5	Pulse	0.30	3
1	In		1,875,792.22	0.07	99.5	Pulse	0.30	3
1	Tb		7,297,059.33	2.64	102.3	Analog	0.50	3
1	Lu		4,009,210.50	2.90	93.9	Pulse	0.50	3
1	Ge		309,583.73	2.71	101.7	Pulse	0.30	3
1	Te		14,960.82	2.37	99.2	Pulse	0.50	3
1	Li		728.91	6.24	97.5	Pulse	0.30	3

7.1

7

Quantitation Report

File Name 071SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\14702218m1.b
Method File
Method Path
Acq Time 2/22/2018 14:01
Sample Name FA51184-1C
Sample Type Sample
Comment
Prep Dilution 10.000
Auto Dilution N/A
Total Dilution 10.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	215.093	ug/l	2.93	315,733.02	1.220E+00	Pulse	0.50	3
As			1	94.531	ug/l	2.75	16,299.30	6.295E-02	Pulse	1.00	3
Mo			1	172.903	ug/l	1.87	156,062.82	8.495E-02	Pulse	0.50	3
Pb			1	129.916	ug/l	3.82	558,660.21	1.200E-01	Pulse	1.00	3
Be			1	353.927	ug/l	0.59	1,844.25	1.004E-03	Pulse	2.00	3
Ag			1	883.016	ug/l	1.60	2,653,332.00	1.444E+00	Pulse	0.50	3
Ba			1	1613.783	ug/l	2.85	550,906.92	3.775E+01	Pulse	0.50	3
Tl			1	431.428	ug/l	6.05	2,748,702.42	5.904E-01	Pulse	0.50	3
Sn			1	1.713	ug/l	19.64	1,598.97	8.701E-04	Pulse	0.30	3
Sr			1	420.945	ug/l	1.87	308,722.07	1.680E-01	Pulse	0.50	3
[Pb]			1	132.063	ug/l	4.02	264,134.35	5.674E-02	Pulse	0.50	3
Ca			1	2070.937	ug/l	2.75	6,934.59	2.678E-02	Pulse	0.50	3
Ti			1	0.882	ug/l	42.55	32.00	1.234E-04	Pulse	0.50	3
Na			1	138.054	ug/l	38.79	41,132.80	1.586E-01	Pulse	1.00	3
Mg			1	31.689	ug/l	84.58	2,223.53	8.544E-03	Pulse	1.00	3
K			1	58.533	ug/l	32.26	32,823.22	1.267E-01	Pulse	1.00	3
V			1	632.677	ug/l	2.90	692,090.96	2.673E+00	Pulse	0.50	3
Mn			1	250.427	ug/l	4.03	157,229.38	6.073E-01	Pulse	0.50	3
Fe			1	1791.585	ug/l	2.72	2,014,193.42	7.780E+00	Pulse	0.50	3
Co			1	815.081	ug/l	2.73	2,048,517.96	7.912E+00	Pulse	0.50	3
Ni			1	871.222	ug/l	2.99	607,616.46	2.347E+00	Pulse	0.50	3
Cu			1	574.779	ug/l	3.39	1,143,636.71	4.418E+00	Pulse	0.50	3
Zn			1	606.687	ug/l	2.95	154,294.40	5.959E-01	Pulse	1.00	3
Cd			1	428.686	ug/l	2.11	163,153.79	8.881E-02	Pulse	0.50	3
Al			1	3779.195	ug/l	1.30	67,122.30	3.654E-02	Pulse	1.00	3
Se			1	644.799	ug/l	3.89	5,888.13	2.275E-02	Pulse	3.00	3
Sb			1	581.719	ug/l	2.93	577,693.65	3.145E-01	Pulse	1.00	3
Se			1	683.529	ug/l	4.67	2,933.23	2.010E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,658,568.83	2.44	90.2	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Sc		258,969.30	1.55	110.5	Pulse	0.30	3
1	Ge		203,663.87	3.01	101.1	Pulse	0.30	3
1	In		1,837,242.15	0.31	97.5	Pulse	0.30	3
1	Tb		7,239,902.50	0.63	101.5	Analog	0.50	3
1	Lu		3,871,769.50	0.42	90.7	Pulse	0.50	3
1	Ge		309,379.24	3.36	101.7	Pulse	0.30	3
1	Te		14,600.54	1.99	96.8	Pulse	0.50	3
1	Li		702.24	6.32	93.9	Pulse	0.30	3

Quantitation Report

File Name 072SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\1\022218m1.b
Method File
Method Path
Acq Time 2/22/2018 14:06
Sample Name FA51184-1B
Sample Type Sample
Comment
Prep Dilution 10.000
Auto Dilution N/A
Total Dilution 10.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	205.229	ug/l	6.96	305,412.00	1.164E+00	Pulse	0.50	3
As			1	92.916	ug/l	7.11	16,237.93	6.188E-02	Pulse	1.00	3
Mo			1	173.278	ug/l	9.20	157,394.76	8.513E-02	Pulse	0.50	3
Pb			1	122.603	ug/l	7.54	530,319.65	1.132E-01	Pulse	1.00	3
Be			1	342.050	ug/l	9.67	1,793.25	9.702E-04	Pulse	2.00	3
Ag			1	853.632	ug/l	7.57	2,581,760.83	1.396E+00	Pulse	0.50	3
Ba			1	1571.259	ug/l	7.46	534,090.76	3.675E+01	Pulse	0.50	3
Tl			1	411.044	ug/l	10.23	2,633,580.25	5.625E-01	Pulse	0.50	3
Sn			1	0.803	ug/l	32.14	974.48	5.259E-04	Pulse	0.30	3
Sr			1	401.858	ug/l	7.57	296,649.76	1.604E-01	Pulse	0.50	3
[Pb]			1	127.727	ug/l	7.16	256,983.78	5.488E-02	Pulse	0.50	3
Ca			1	2031.547	ug/l	3.99	6,899.24	2.629E-02	Pulse	0.50	3
Ti			1	0.892	ug/l	39.50	32.67	1.245E-04	Pulse	0.50	3
Na			1	146.825	ug/l	45.87	42,960.11	1.637E-01	Pulse	1.00	3
Mg			1	33.299	ug/l	101.65	2,347.60	8.946E-03	Pulse	1.00	3
K			1	70.663	ug/l	44.24	34,018.25	1.296E-01	Pulse	1.00	3
V			1	610.877	ug/l	7.26	677,324.02	2.581E+00	Pulse	0.50	3
Mn			1	241.784	ug/l	6.34	153,875.05	5.864E-01	Pulse	0.50	3
Fe			1	1737.296	ug/l	6.75	1,979,751.04	7.545E+00	Pulse	0.50	3
Co			1	786.124	ug/l	7.43	2,002,477.17	7.631E+00	Pulse	0.50	3
Ni			1	834.724	ug/l	7.76	590,058.42	2.249E+00	Pulse	0.50	3
Cu			1	555.848	ug/l	6.58	1,121,550.81	4.274E+00	Pulse	0.50	3
Zn			1	669.133	ug/l	7.38	172,017.38	6.555E-01	Pulse	1.00	3
Cd			1	414.837	ug/l	7.40	158,903.12	8.594E-02	Pulse	0.50	3
Al			1	3682.236	ug/l	8.39	65,830.89	3.561E-02	Pulse	1.00	3
Se			1	633.669	ug/l	6.12	5,866.24	2.236E-02	Pulse	3.00	3
Sb			1	578.870	ug/l	8.51	578,550.63	3.129E-01	Pulse	1.00	3
Se			1	680.640	ug/l	6.87	2,909.67	2.002E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,685,606.33	1.22	90.7	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Sc		262,409.82	0.26	112.0	Pulse	0.30	3
1	Ge		208,174.55	3.97	103.3	Pulse	0.30	3
1	In		1,850,572.56	1.97	98.2	Pulse	0.30	3
1	Tb		7,131,596.67	2.20	100.0	Analog	0.50	3
1	Lu		3,890,362.75	1.00	91.1	Pulse	0.50	3
1	Ge		314,554.48	4.06	103.4	Pulse	0.30	3
1	Te		14,537.82	1.32	96.3	Pulse	0.50	3
1	Li		678.90	6.22	90.8	Pulse	0.30	3

7.1

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Quantitation Report

File Name 073SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 14:11
Sample Name FA51777-2
Sample Type Sample
Comment
Prep Dilution 2.000
Auto Dilution N/A
Total Dilution 2.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.241	ug/l	20.49	3,367.64	1.318E-02	Pulse	0.50	3
As			1	0.085	ug/l	53.47	117.00	4.581E-04	Pulse	1.00	3
Mo			1	0.137	ug/l	57.52	639.35	3.578E-04	Pulse	0.50	3
Pb			1	0.065	ug/l	56.53	2,266.51	4.999E-04	Pulse	1.00	3
Be			1	-0.034	ug/l	-87.27	2.17	1.214E-06	Pulse	2.00	3
Ag			1	0.062	ug/l	64.88	939.37	5.254E-04	Pulse	0.50	3
Ba			1	0.198	ug/l	36.99	319.34	2.424E-02	Pulse	0.50	3
Tl			1	0.645	ug/l	23.05	20,101.96	4.436E-03	Pulse	0.50	3
Sn			1	0.852	ug/l	4.23	3,268.10	1.834E-03	Pulse	0.30	3
Sr			1	0.081	ug/l	119.42	937.36	5.250E-04	Pulse	0.50	3
[Pb]			1	0.071	ug/l	52.20	1,124.71	2.482E-04	Pulse	0.50	3
Ca			1	41.066	ug/l	10.30	968.03	3.790E-03	Pulse	0.50	3
Ti			1	0.142	ug/l	34.30	26.67	1.043E-04	Pulse	0.50	3
Na			1	25.022	ug/l	53.75	38,624.97	1.512E-01	Pulse	1.00	3
Mg			1	6.028	ug/l	105.79	2,085.59	8.157E-03	Pulse	1.00	3
K			1	10.451	ug/l	58.62	31,987.61	1.252E-01	Pulse	1.00	3
V			1	0.215	ug/l	17.75	1,604.07	6.278E-03	Pulse	0.50	3
Mn			1	0.117	ug/l	35.50	456.68	1.787E-03	Pulse	0.50	3
Fe			1	6.644	ug/l	77.73	41,389.12	1.619E-01	Pulse	0.50	3
Co			1	0.053	ug/l	91.69	738.70	2.890E-03	Pulse	0.50	3
Ni			1	0.089	ug/l	59.77	447.34	1.750E-03	Pulse	0.50	3
Cu			1	1.240	ug/l	3.54	27,851.50	1.090E-01	Pulse	0.50	3
Zn			1	17.079	ug/l	6.34	25,138.50	9.842E-02	Pulse	1.00	3
Cd			1	0.031	ug/l	128.05	58.67	3.270E-05	Pulse	0.50	3
Al			1	9.703	ug/l	50.25	1,343.07	7.526E-04	Pulse	1.00	3
Se			1	0.001	ug/l	17545.59	42.89	1.677E-04	Pulse	3.00	3
Sb			1	0.725	ug/l	7.90	3,777.39	2.119E-03	Pulse	1.00	3
Se			1	-0.545	ug/l	-54.70	43.78	3.335E-03	Pulse	3.00	3

Quantitation Report

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,522,608.33	1.37	87.6	Pulse	0.50	3
1	Sc		255,449.98	0.72	109.0	Pulse	0.30	3
1	Ge		206,781.98	5.14	102.7	Pulse	0.30	3
1	In		1,781,540.34	0.88	94.5	Pulse	0.30	3
1	Tb		7,078,386.33	1.00	99.3	Analog	0.50	3
1	Lu		3,766,556.42	2.32	88.2	Pulse	0.50	3
1	Ge		312,282.83	3.75	102.6	Pulse	0.30	3
1	Te		13,134.11	3.21	87.0	Pulse	0.50	3
1	Li		737.79	5.08	98.7	Pulse	0.30	3

7.1

7

Quantitation Report

File Name 074_MB.d
File Path C:\Agilent\ICPMH\1\DATA\14702218m1.b
Method File
Method Path
Acq Time 2/22/2018 14:15
Sample Name MP33366-MB1
Sample Type MB
Comment
Prep Dilution 5.000
Auto Dilution N/A
Total Dilution 5.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.786	ug/l	5.26	4,055.10	1.526E-02	Pulse	0.50	3
As			1	0.084	ug/l	20.67	76.33	2.873E-04	Pulse	1.00	3
Mo			1	0.265	ug/l	37.14	512.01	2.802E-04	Pulse	0.50	3
Pb			1	0.253	ug/l	18.84	3,026.28	6.663E-04	Pulse	1.00	3
Be			1	-0.122	ug/l	-79.81	1.83	9.989E-07	Pulse	2.00	3
Ag			1	0.113	ug/l	61.22	710.69	3.881E-04	Pulse	0.50	3
Ba			1	0.342	ug/l	49.18	236.00	1.703E-02	Pulse	0.50	3
Tl			1	0.306	ug/l	14.81	3,899.14	8.594E-04	Pulse	0.50	3
Sn			1	26.494	ug/l	1.14	36,975.09	2.026E-02	Pulse	0.30	3
Sr			1	0.259	ug/l	49.62	1,041.37	5.698E-04	Pulse	0.50	3
[Pb]			1	0.262	ug/l	23.46	1,454.74	3.204E-04	Pulse	0.50	3
Ca			1	32.266	ug/l	65.69	546.68	2.055E-03	Pulse	0.50	3
Ti			1	0.914	ug/l	40.78	60.67	2.283E-04	Pulse	0.50	3
Na			1	55.930	ug/l	45.87	38,151.36	1.435E-01	Pulse	1.00	3
Mg			1	18.207	ug/l	64.71	2,585.91	9.723E-03	Pulse	1.00	3
K			1	51.096	ug/l	30.74	36,467.61	1.372E-01	Pulse	1.00	3
V			1	0.278	ug/l	29.88	1,088.04	4.093E-03	Pulse	0.50	3
Mn			1	0.639	ug/l	14.25	921.36	3.467E-03	Pulse	0.50	3
Fe			1	43.668	ug/l	21.50	105,372.85	3.964E-01	Pulse	0.50	3
Co			1	0.112	ug/l	79.42	666.02	2.504E-03	Pulse	0.50	3
Ni			1	0.303	ug/l	27.28	581.35	2.188E-03	Pulse	0.50	3
Cu			1	-1.281	ug/l	-10.18	11,330.69	4.263E-02	Pulse	0.50	3
Zn			1	19.994	ug/l	0.64	14,638.25	5.508E-02	Pulse	1.00	3
Cd			1	0.143	ug/l	51.86	108.67	5.943E-05	Pulse	0.50	3
Al			1	13.411	ug/l	71.54	995.36	5.445E-04	Pulse	1.00	3
Se			1	-0.052	ug/l	-106.14	43.56	1.639E-04	Pulse	3.00	3
Sb			1	0.947	ug/l	20.48	2,164.80	1.186E-03	Pulse	1.00	3
Se			1	-1.522	ug/l	-42.31	44.44	3.242E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,540,717.50	0.81	87.9	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Sc		265,762.50	0.75	113.4	Pulse	0.30	3
1	Ge		210,750.83	3.52	104.6	Pulse	0.30	3
1	In		1,824,851.31	1.80	96.8	Pulse	0.30	3
1	Tb		7,009,435.50	2.12	98.3	Analog	0.50	3
1	Lu		3,767,330.75	1.54	88.2	Pulse	0.50	3
1	Ge		321,899.56	3.58	105.8	Pulse	0.30	3
1	Te		13,738.53	2.98	91.1	Pulse	0.50	3
1	Li		710.02	9.94	94.9	Pulse	0.30	3

Quantitation Report

File Name 075_BSP.d
File Path C:\Agilent\ICPMH\1\DATA\wa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 14:20
Sample Name MP33366-B1
Sample Type BSP
Comment
Prep Dilution 5.000
Auto Dilution N/A
Total Dilution 5.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step **Tune File**
 1

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	517.454	ug/l	3.19	1,483,801.96	5.843E+00	Pulse	0.50	3
As			1	520.253	ug/l	3.60	175,497.17	6.912E-01	Pulse	1.00	3
Mo			1	538.264	ug/l	2.55	944,167.48	5.288E-01	Pulse	0.50	3
Pb			1	510.478	ug/l	3.96	4,177,877.83	9.416E-01	Pulse	1.00	3
Be			1	577.856	ug/l	0.55	5,846.01	3.274E-03	Pulse	2.00	3
Ag			1	251.233	ug/l	1.55	1,467,404.96	8.218E-01	Pulse	0.50	3
Ba			1	533.712	ug/l	1.71	340,072.51	2.497E+01	Pulse	0.50	3
Tl			1	509.917	ug/l	11.15	6,188,169.33	1.396E+00	Mix	0.50	3
Sn			1	600.158	ug/l	2.39	811,041.37	4.542E-01	Pulse	0.30	3
Sr			1	513.023	ug/l	1.54	730,420.69	4.091E-01	Pulse	0.50	3
[Pb]			1	504.733	ug/l	3.93	1,921,324.58	4.330E-01	Pulse	0.50	3
Ca			1	51666.909	ug/l	2.98	323,626.54	1.274E+00	Pulse	0.50	3
Ti			1	504.871	ug/l	0.79	28,476.68	1.121E-01	Pulse	0.50	3
Na			1	54582.277	ug/l	2.39	16,031,611.67	6.313E+01	Analog	1.00	3
Mg			1	53314.560	ug/l	2.82	6,759,263.00	2.662E+01	Analog	1.00	3
K			1	54250.335	ug/l	2.42	6,649,547.67	2.618E+01	Analog	1.00	3
V			1	535.012	ug/l	3.63	1,147,659.67	4.520E+00	Pulse	0.50	3
Mn			1	524.049	ug/l	2.57	645,215.98	2.541E+00	Pulse	0.50	3
Fe			1	53123.440	ug/l	2.44	116,903,706.67	4.603E+02	Analog	0.50	3
Co			1	513.930	ug/l	3.75	2,533,693.75	9.978E+00	Pulse	0.50	3
Ni			1	511.093	ug/l	2.45	699,262.27	2.753E+00	Pulse	0.50	3
Cu			1	554.182	ug/l	1.75	2,148,940.50	8.461E+00	Pulse	0.50	3
Zn			1	527.580	ug/l	3.25	260,018.23	1.024E+00	Pulse	1.00	3
Cd			1	523.314	ug/l	1.11	387,141.09	2.168E-01	Pulse	0.50	3
Al			1	52626.389	ug/l	0.54	1,803,083.87	1.010E+00	Pulse	1.00	3
Se			1	483.447	ug/l	2.93	8,640.18	3.402E-02	Pulse	3.00	3
Sb			1	516.613	ug/l	2.57	997,015.17	5.584E-01	Pulse	1.00	3
Se			1	540.986	ug/l	2.32	4,300.82	3.158E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,438,527.00	1.45	86.0	Pulse	0.50	3
1	Sc		254,037.73	2.07	108.4	Pulse	0.30	3
1	Ge		207,952.53	6.73	103.2	Pulse	0.30	3
1	In		1,785,568.68	0.17	94.7	Pulse	0.30	3
1	Tb		7,190,069.50	0.69	100.8	Analog	0.50	3
1	Lu		3,876,868.75	2.05	90.8	Pulse	0.50	3

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Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Ge		310,289.28	6.48	102.0	Pulse	0.30	3
1	Te		13,620.44	0.69	90.3	Pulse	0.50	3
1	Li		728.91	8.49	97.5	Pulse	0.30	3

Quantitation Report

File Name 076_BSP.d
File Path C:\Agilent\ICPMH\1\DATA\wa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 14:25
Sample Name MP33366-B2
Sample Type BSP
Comment
Prep Dilution 5.000
Auto Dilution N/A
Total Dilution 5.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step **Tune File**
 1

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	512.636	ug/l	6.71	1,432,282.33	5.789E+00	Pulse	0.50	3
As			1	521.774	ug/l	6.63	171,511.25	6.932E-01	Pulse	1.00	3
Mo			1	527.806	ug/l	6.19	919,744.09	5.185E-01	Pulse	0.50	3
Pb			1	510.152	ug/l	6.72	4,176,531.58	9.410E-01	Pulse	1.00	3
Be			1	556.803	ug/l	7.13	5,594.78	3.155E-03	Pulse	2.00	3
Ag			1	252.584	ug/l	7.14	1,465,342.21	8.262E-01	Pulse	0.50	3
Ba			1	534.005	ug/l	4.86	337,921.03	2.498E+01	Pulse	0.50	3
Tl			1	511.923	ug/l	12.28	6,216,628.67	1.401E+00	Mix	0.50	3
Sn			1	586.579	ug/l	5.63	787,549.85	4.440E-01	Pulse	0.30	3
Sr			1	502.371	ug/l	6.50	710,494.75	4.006E-01	Pulse	0.50	3
[Pb]			1	495.207	ug/l	6.22	1,885,797.37	4.249E-01	Pulse	0.50	3
Ca			1	50747.765	ug/l	5.83	309,742.37	1.252E+00	Pulse	0.50	3
Ti			1	491.392	ug/l	6.51	26,996.63	1.091E-01	Pulse	0.50	3
Na			1	53718.029	ug/l	5.87	15,372,719.67	6.213E+01	Analog	1.00	3
Mg			1	52907.217	ug/l	6.94	6,535,178.50	2.641E+01	Analog	1.00	3
K			1	54358.993	ug/l	5.79	6,491,804.50	2.624E+01	Analog	1.00	3
V			1	529.249	ug/l	6.88	1,106,255.46	4.471E+00	Pulse	0.50	3
Mn			1	515.465	ug/l	6.87	618,317.37	2.499E+00	Pulse	0.50	3
Fe			1	52381.803	ug/l	7.35	112,295,970.67	4.539E+02	Analog	0.50	3
Co			1	513.745	ug/l	6.60	2,467,892.50	9.974E+00	Pulse	0.50	3
Ni			1	505.991	ug/l	6.52	674,494.09	2.726E+00	Pulse	0.50	3
Cu			1	511.132	ug/l	7.58	1,931,876.71	7.809E+00	Pulse	0.50	3
Zn			1	512.185	ug/l	5.92	246,094.37	9.946E-01	Pulse	1.00	3
Cd			1	509.418	ug/l	5.66	374,395.21	2.111E-01	Pulse	0.50	3
Al			1	50844.275	ug/l	6.56	1,730,377.04	9.756E-01	Pulse	1.00	3
Se			1	486.239	ug/l	5.61	8,466.99	3.422E-02	Pulse	3.00	3
Sb			1	511.082	ug/l	6.94	979,716.56	5.524E-01	Pulse	1.00	3
Se			1	532.137	ug/l	4.55	4,202.47	3.107E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,440,290.50	0.97	86.0	Pulse	0.50	3
1	Sc		247,536.61	1.12	105.7	Pulse	0.30	3
1	Ge		201,408.03	2.77	100.0	Pulse	0.30	3
1	In		1,774,526.94	1.61	94.2	Pulse	0.30	3
1	Tb		7,164,742.50	1.68	100.5	Analog	0.50	3
1	Lu		3,896,519.67	0.33	91.3	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Ge		303,309.70	3.88	99.7	Pulse	0.30	3
1	Te		13,522.36	1.81	89.6	Pulse	0.50	3
1	Li		783.35	5.53	104.8	Pulse	0.30	3

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Quantitation Report

File Name 077SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\wa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 14:29
Sample Name FA51264-3B
Sample Type Sample
Comment
Prep Dilution 5.000
Auto Dilution N/A
Total Dilution 5.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step **Tune File**
 1

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	3141.174	ug/l	8.70	9,915,470.00	3.544E+01	Analog	0.50	3
As			1	3548.309	ug/l	7.98	1,318,482.75	4.713E+00	Pulse	1.00	3
Mo			1	2161.837	ug/l	11.63	3,683,266.08	2.124E+00	Pulse	0.50	3
Pb			1	1610.468	ug/l	8.86	12,951,694.00	2.970E+00	Analog	1.00	3
Be			1	2092.967	ug/l	12.43	20,556.13	1.185E-02	Pulse	2.00	3
Ag			1	1596.015	ug/l	10.03	9,056,592.83	5.221E+00	Analog	0.50	3
Ba			1	5576.370	ug/l	10.71	3,395,200.58	2.609E+02	Pulse	0.50	3
Tl			1	1213.000	ug/l	8.64	14,477,257.67	3.320E+00	Analog	0.50	3
Sn			1	1657.186	ug/l	10.67	2,174,796.72	1.254E+00	Pulse	0.30	3
Sr			1	1752.157	ug/l	11.72	2,421,544.92	1.396E+00	Pulse	0.50	3
[Pb]			1	1598.111	ug/l	13.03	5,977,976.00	1.371E+00	Mix	0.50	3
Ca			1	87007.150	ug/l	8.06	600,183.41	2.145E+00	Pulse	0.50	3
Ti			1	6927.957	ug/l	8.37	430,287.94	1.538E+00	Pulse	0.50	3
Na			1	3552.173	ug/l	7.47	1,169,819.71	4.182E+00	Pulse	1.00	3
Mg			1	44979.700	ug/l	8.35	6,282,656.33	2.246E+01	Analog	1.00	3
K			1	42845.437	ug/l	8.22	5,791,516.33	2.070E+01	Analog	1.00	3
V			1	1036.643	ug/l	8.67	2,449,912.08	8.756E+00	Pulse	0.50	3
Mn			1	6000.647	ug/l	8.63	8,138,081.67	2.909E+01	Analog	0.50	3
Fe			1	258876.937	ug/l	8.33	627,552,448.00	2.243E+03	Analog	0.50	3
Co			1	3239.690	ug/l	8.34	17,596,117.00	6.290E+01	Analog	0.50	3
Ni			1	1567.079	ug/l	8.76	2,361,706.58	8.441E+00	Pulse	0.50	3
Cu			1	1982.625	ug/l	9.03	8,424,754.00	3.011E+01	Analog	0.50	3
Zn			1	4495.192	ug/l	8.38	2,405,274.83	8.597E+00	Pulse	1.00	3
Cd			1	2791.502	ug/l	11.63	2,005,872.13	1.157E+00	Pulse	0.50	3
Al			1	191652.789	ug/l	11.41	6,376,786.00	3.677E+00	Analog	1.00	3
Se			1	876.220	ug/l	7.08	17,211.68	6.153E-02	Pulse	3.00	3
Sb			1	1037.479	ug/l	11.27	1,944,623.21	1.121E+00	Pulse	1.00	3
Se			1	1229.262	ug/l	9.91	9,272.16	7.123E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,361,076.17	0.41	84.5	Pulse	0.50	3
1	Sc		279,588.44	1.53	119.3	Pulse	0.30	3
1	Ge		217,420.98	3.52	107.9	Pulse	0.30	3
1	In		1,736,773.99	1.87	92.2	Pulse	0.30	3
1	Tb		7,082,941.83	1.31	99.3	Analog	0.50	3
1	Lu		3,783,224.50	1.60	88.6	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Ge		309,476.32	4.22	101.7	Pulse	0.30	3
1	Te		13,029.34	1.55	86.4	Pulse	0.50	3
1	Li		722.24	5.31	96.6	Pulse	0.30	3

Quantitation Report

File Name 078_MB.d
File Path C:\Agilent\ICPMH\1\DATA\1\022218m1.b
Method File
Method Path
Acq Time 2/22/2018 14:34
Sample Name MP33367-MB1
Sample Type MB
Comment
Prep Dilution 5.000
Auto Dilution N/A
Total Dilution 5.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	1.103	ug/l	13.27	4,852.63	1.883E-02	Pulse	0.50	3
As			1	0.911	ug/l	32.10	357.00	1.386E-03	Pulse	1.00	3
Mo			1	1.117	ug/l	23.72	2,009.46	1.118E-03	Pulse	0.50	3
Pb			1	0.533	ug/l	31.40	5,230.53	1.183E-03	Pulse	1.00	3
Be			1	0.143	ug/l	123.01	4.50	2.503E-06	Pulse	2.00	3
Ag			1	0.235	ug/l	50.12	1,414.74	7.867E-04	Pulse	0.50	3
Ba			1	0.389	ug/l	60.73	264.67	1.924E-02	Pulse	0.50	3
Tl			1	3.186	ug/l	9.66	38,588.41	8.742E-03	Pulse	0.50	3
Sn			1	28.375	ug/l	0.54	38,982.52	2.169E-02	Pulse	0.30	3
Sr			1	0.219	ug/l	78.42	966.70	5.377E-04	Pulse	0.50	3
[Pb]			1	0.499	ug/l	33.78	2,314.84	5.234E-04	Pulse	0.50	3
Ca			1	37.473	ug/l	15.11	562.68	2.184E-03	Pulse	0.50	3
Ti			1	2.454	ug/l	36.13	146.67	5.702E-04	Pulse	0.50	3
Na			1	63.052	ug/l	43.90	39,093.13	1.517E-01	Pulse	1.00	3
Mg			1	18.414	ug/l	75.84	2,530.25	9.827E-03	Pulse	1.00	3
K			1	50.071	ug/l	29.32	35,227.36	1.367E-01	Pulse	1.00	3
V			1	0.243	ug/l	63.93	980.03	3.802E-03	Pulse	0.50	3
Mn			1	0.769	ug/l	27.00	1,054.70	4.094E-03	Pulse	0.50	3
Fe			1	92.843	ug/l	44.40	211,728.53	8.225E-01	Pulse	0.50	3
Co			1	0.176	ug/l	85.11	964.05	3.744E-03	Pulse	0.50	3
Ni			1	0.451	ug/l	18.75	770.02	2.987E-03	Pulse	0.50	3
Cu			1	-0.971	ug/l	-32.12	12,190.58	4.732E-02	Pulse	0.50	3
Zn			1	28.643	ug/l	1.05	18,447.83	7.159E-02	Pulse	1.00	3
Cd			1	0.225	ug/l	50.68	168.00	9.344E-05	Pulse	0.50	3
Al			1	20.384	ug/l	82.27	1,219.72	6.783E-04	Pulse	1.00	3
Se			1	0.040	ug/l	448.55	43.89	1.703E-04	Pulse	3.00	3
Sb			1	1.122	ug/l	24.65	2,469.85	1.374E-03	Pulse	1.00	3
Se			1	-2.305	ug/l	-10.70	38.11	2.792E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,408,749.17	2.87	85.4	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Sc		257,704.21	1.81	110.0	Pulse	0.30	3
1	Ge		209,561.62	6.06	104.0	Pulse	0.30	3
1	In		1,797,426.46	0.36	95.4	Pulse	0.30	3
1	Tb		6,963,861.67	1.46	97.7	Analog	0.50	3
1	Lu		3,728,024.50	1.35	87.3	Pulse	0.50	3
1	Ge		316,602.56	4.99	104.1	Pulse	0.30	3
1	Te		13,651.15	2.56	90.5	Pulse	0.50	3
1	Li		683.35	3.41	91.4	Pulse	0.30	3

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Quantitation Report

File Name 079_BSP.d
File Path C:\Agilent\ICPMH\1\DATA\wa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 14:38
Sample Name MP33367-B1
Sample Type BSP
Comment
Prep Dilution 5.000
Auto Dilution N/A
Total Dilution 5.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step **Tune File**
 1

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	524.502	ug/l	2.77	1,519,947.63	5.923E+00	Pulse	0.50	3
As			1	533.008	ug/l	2.40	181,723.08	7.081E-01	Pulse	1.00	3
Mo			1	559.727	ug/l	3.16	973,532.69	5.499E-01	Pulse	0.50	3
Pb			1	524.667	ug/l	4.19	4,133,888.50	9.678E-01	Pulse	1.00	3
Be			1	580.314	ug/l	1.63	5,821.83	3.288E-03	Pulse	2.00	3
Ag			1	252.988	ug/l	3.63	1,465,147.58	8.276E-01	Pulse	0.50	3
Ba			1	560.683	ug/l	4.95	344,994.15	2.623E+01	Pulse	0.50	3
Tl			1	508.180	ug/l	9.48	5,940,281.50	1.391E+00	Mix	0.50	3
Sn			1	601.380	ug/l	2.49	805,899.55	4.552E-01	Pulse	0.30	3
Sr			1	526.376	ug/l	2.72	743,128.83	4.197E-01	Pulse	0.50	3
[Pb]			1	517.269	ug/l	3.33	1,895,786.33	4.438E-01	Pulse	0.50	3
Ca			1	52929.381	ug/l	3.04	335,033.52	1.306E+00	Pulse	0.50	3
Ti			1	507.469	ug/l	3.47	28,915.38	1.127E-01	Pulse	0.50	3
Na			1	55023.466	ug/l	2.68	16,330,324.00	6.364E+01	Analog	1.00	3
Mg			1	54347.482	ug/l	2.89	6,962,857.83	2.713E+01	Analog	1.00	3
K			1	55901.668	ug/l	2.95	6,923,125.67	2.698E+01	Analog	1.00	3
V			1	542.357	ug/l	2.83	1,175,818.83	4.582E+00	Pulse	0.50	3
Mn			1	531.328	ug/l	3.78	660,999.37	2.576E+00	Pulse	0.50	3
Fe			1	54872.208	ug/l	3.51	122,009,725.33	4.755E+02	Analog	0.50	3
Co			1	519.030	ug/l	2.76	2,585,913.83	1.008E+01	Pulse	0.50	3
Ni			1	517.623	ug/l	3.39	715,589.17	2.789E+00	Pulse	0.50	3
Cu			1	521.732	ug/l	3.84	2,044,928.83	7.969E+00	Pulse	0.50	3
Zn			1	529.997	ug/l	2.27	263,969.43	1.029E+00	Pulse	1.00	3
Cd			1	526.996	ug/l	1.95	386,605.10	2.183E-01	Pulse	0.50	3
Al			1	54254.521	ug/l	2.67	1,843,217.17	1.041E+00	Pulse	1.00	3
Se			1	489.714	ug/l	2.92	8,843.71	3.446E-02	Pulse	3.00	3
Sb			1	525.540	ug/l	3.41	1,005,680.09	5.680E-01	Pulse	1.00	3
Se			1	581.234	ug/l	2.78	4,459.75	3.390E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,272,990.17	1.27	82.7	Pulse	0.50	3
1	Sc		256,679.10	1.23	109.6	Pulse	0.30	3
1	Ge		206,843.50	4.15	102.7	Pulse	0.30	3
1	In		1,770,837.22	1.02	94.0	Pulse	0.30	3
1	Tb		7,035,288.67	0.43	98.7	Analog	0.50	3
1	Lu		3,791,375.67	1.66	88.8	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Ge		313,075.96	6.22	102.9	Pulse	0.30	3
1	Te		13,160.12	1.61	87.2	Pulse	0.50	3
1	Li		706.68	6.65	94.5	Pulse	0.30	3

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Quantitation Report

File Name 080_BSP.d
File Path C:\Agilent\ICPMH\1\DATA\wa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 14:43
Sample Name MP33367-B2
Sample Type BSP
Comment
Prep Dilution 5.000
Auto Dilution N/A
Total Dilution 5.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step **Tune File**
 1

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	547.639	ug/l	1.76	1,575,078.50	6.184E+00	Pulse	0.50	3
As			1	544.378	ug/l	1.07	184,211.47	7.232E-01	Pulse	1.00	3
Mo			1	563.526	ug/l	2.49	972,387.42	5.536E-01	Pulse	0.50	3
Pb			1	540.296	ug/l	1.34	4,269,741.67	9.966E-01	Pulse	1.00	3
Be			1	603.321	ug/l	0.65	6,005.89	3.418E-03	Pulse	2.00	3
Ag			1	262.511	ug/l	3.43	1,508,085.92	8.587E-01	Pulse	0.50	3
Ba			1	551.017	ug/l	1.41	351,775.33	2.578E+01	Pulse	0.50	3
Tl			1	548.642	ug/l	8.90	6,429,661.00	1.502E+00	Mix	0.50	3
Sn			1	622.149	ug/l	2.62	827,096.13	4.709E-01	Pulse	0.30	3
Sr			1	542.001	ug/l	1.70	759,161.71	4.322E-01	Pulse	0.50	3
[Pb]			1	528.707	ug/l	2.06	1,943,218.54	4.536E-01	Pulse	0.50	3
Ca			1	53669.627	ug/l	0.22	337,204.26	1.324E+00	Pulse	0.50	3
Ti			1	518.873	ug/l	2.42	29,342.69	1.152E-01	Pulse	0.50	3
Na			1	56085.898	ug/l	1.52	16,521,549.00	6.486E+01	Analog	1.00	3
Mg			1	55497.417	ug/l	1.15	7,057,333.83	2.771E+01	Analog	1.00	3
K			1	56403.340	ug/l	1.43	6,932,966.17	2.722E+01	Analog	1.00	3
V			1	553.095	ug/l	1.77	1,190,202.63	4.673E+00	Pulse	0.50	3
Mn			1	535.008	ug/l	0.32	660,703.73	2.594E+00	Pulse	0.50	3
Fe			1	55375.709	ug/l	1.13	122,226,277.33	4.798E+02	Analog	0.50	3
Co			1	534.108	ug/l	2.36	2,641,186.67	1.037E+01	Pulse	0.50	3
Ni			1	527.013	ug/l	1.38	723,158.23	2.839E+00	Pulse	0.50	3
Cu			1	527.611	ug/l	1.29	2,052,659.00	8.058E+00	Pulse	0.50	3
Zn			1	551.564	ug/l	1.90	272,474.94	1.070E+00	Pulse	1.00	3
Cd			1	543.802	ug/l	2.02	395,777.82	2.253E-01	Pulse	0.50	3
Al			1	55356.370	ug/l	2.49	1,865,683.25	1.062E+00	Pulse	1.00	3
Se			1	495.125	ug/l	0.99	8,874.84	3.484E-02	Pulse	3.00	3
Sb			1	538.309	ug/l	1.87	1,022,074.29	5.818E-01	Pulse	1.00	3
Se			1	555.915	ug/l	2.37	4,426.85	3.244E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,285,038.83	2.00	83.0	Pulse	0.50	3
1	Sc		254,726.98	1.22	108.7	Pulse	0.30	3
1	Ge		200,511.06	4.72	99.5	Pulse	0.30	3
1	In		1,756,956.84	1.95	93.2	Pulse	0.30	3
1	Tb		7,067,832.67	1.86	99.1	Analog	0.50	3
1	Lu		3,781,598.42	1.69	88.6	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Ge		304,864.46	4.22	100.2	Pulse	0.30	3
1	Te		13,648.47	1.84	90.5	Pulse	0.50	3
1	Li		701.13	7.70	93.8	Pulse	0.30	3

Quantitation Report

File Name 081CCVA.d
File Path C:\Agilent\ICPMH\1\DATA\sa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 14:48
Sample Name CCV (Ag)
Sample Type CCV_Ag
Comment =std 4
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	47.298	ug/l	2.36	702,377.46	2.674E+00	Pulse	0.50	3
As			1	46.809	ug/l	1.94	81,701.02	3.110E-01	Pulse	1.00	3
Mo			1	49.081	ug/l	1.76	445,152.40	2.411E-01	Pulse	0.50	3
Pb			1	47.320	ug/l	3.04	1,966,457.04	4.365E-01	Pulse	1.00	3
Be			1	52.734	ug/l	3.69	2,760.52	1.495E-03	Pulse	2.00	3
Ag			1	48.814	ug/l	2.16	1,474,040.33	7.984E-01	Pulse	0.50	3
Ba			1	45.880	ug/l	2.79	156,304.53	1.073E+01	Pulse	0.50	3
Tl			1	47.802	ug/l	3.62	2,946,658.42	6.542E-01	Pulse	0.50	3
Sn			1	47.865	ug/l	0.39	334,756.87	1.813E-01	Pulse	0.30	3
Sr			1	49.925	ug/l	0.80	367,896.11	1.992E-01	Pulse	0.50	3
[Pb]			1	47.817	ug/l	2.56	924,276.35	2.052E-01	Pulse	0.50	3
Ca			1	4763.735	ug/l	1.56	154,516.54	5.882E-01	Pulse	0.50	3
Ti			1	47.933	ug/l	1.27	13,983.70	5.323E-02	Pulse	0.50	3
Na			1	5062.262	ug/l	2.07	7,700,453.50	2.932E+01	Analog	1.00	3
Mg			1	4768.851	ug/l	1.86	3,127,162.75	1.190E+01	Pulse	1.00	3
K			1	4875.335	ug/l	2.08	3,106,821.08	1.183E+01	Pulse	1.00	3
V			1	47.000	ug/l	2.77	521,722.35	1.986E+00	Pulse	0.50	3
Mn			1	47.243	ug/l	2.61	300,856.43	1.145E+00	Pulse	0.50	3
Fe			1	4966.338	ug/l	2.99	56,516,766.67	2.152E+02	Analog	0.50	3
Co			1	47.221	ug/l	1.92	1,204,210.46	4.584E+00	Pulse	0.50	3
Ni			1	47.208	ug/l	2.53	334,090.03	1.272E+00	Pulse	0.50	3
Cu			1	46.374	ug/l	2.88	939,295.75	3.576E+00	Pulse	0.50	3
Zn			1	45.653	ug/l	2.74	118,890.22	4.526E-01	Pulse	1.00	3
Cd			1	47.288	ug/l	2.12	180,859.92	9.796E-02	Pulse	0.50	3
Al			1	5187.730	ug/l	1.85	919,206.00	4.979E-01	Pulse	1.00	3
Se			1	46.247	ug/l	1.86	4,297.82	1.636E-02	Pulse	3.00	3
Sb			1	47.454	ug/l	2.25	473,638.58	2.565E-01	Pulse	1.00	3
Se			1	49.458	ug/l	0.79	2,135.57	1.466E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,506,842.33	2.60	87.3	Pulse	0.50	3
1	Sc		262,733.33	1.62	112.1	Pulse	0.30	3
1	Ge		211,667.46	4.74	105.1	Pulse	0.30	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	In		1,846,782.91	2.16	98.0	Pulse	0.30	3
1	Tb		7,308,096.00	0.96	102.5	Analog	0.50	3
1	Lu		3,915,615.33	0.39	91.7	Pulse	0.50	3
1	Ge		320,729.29	4.04	105.4	Pulse	0.30	3
1	Te		14,569.85	2.01	96.6	Pulse	0.50	3
1	Li		753.35	3.93	100.7	Pulse	0.30	3

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Quantitation Report

File Name 082_CC.V.d
File Path C:\Agilent\ICPMH\1\DATA\022218m1.b
Method File
Method Path
Acq Time 2/22/2018 14:52
Sample Name CCV
Sample Type CCV
Comment =std 5
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step **Tune File**
 1

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	91.802	ug/l	8.09	1,332,464.87	5.184E+00	Pulse	0.50	3
As			1	91.676	ug/l	7.83	156,540.91	6.090E-01	Pulse	1.00	3
Mo			1	96.192	ug/l	6.61	868,537.58	4.725E-01	Pulse	0.50	3
Pb			1	91.197	ug/l	7.27	3,798,912.42	8.411E-01	Pulse	1.00	3
Be			1	100.626	ug/l	5.27	5,241.18	2.851E-03	Pulse	2.00	3
Ag			1	93.721	ug/l	6.40	2,817,834.08	1.533E+00	Pulse	0.50	3
Ba			1	91.906	ug/l	8.52	311,349.77	2.150E+01	Pulse	0.50	3
Tl			1	95.980	ug/l	9.56	5,933,062.50	1.313E+00	Mix	0.50	3
Sn			1	92.629	ug/l	7.94	644,336.19	3.506E-01	Pulse	0.30	3
Sr			1	95.762	ug/l	5.78	701,935.56	3.818E-01	Pulse	0.50	3
[Pb]			1	94.073	ug/l	7.66	1,822,673.96	4.036E-01	Pulse	0.50	3
Ca			1	9399.967	ug/l	8.79	297,957.69	1.159E+00	Pulse	0.50	3
Ti			1	92.699	ug/l	10.69	26,435.24	1.029E-01	Pulse	0.50	3
Na			1	9985.225	ug/l	8.42	14,841,523.67	5.775E+01	Analog	1.00	3
Mg			1	9785.996	ug/l	8.12	6,278,746.67	2.443E+01	Analog	1.00	3
K			1	10173.757	ug/l	7.41	6,313,609.00	2.456E+01	Analog	1.00	3
V			1	93.548	ug/l	8.73	1,015,563.54	3.952E+00	Pulse	0.50	3
Mn			1	92.212	ug/l	8.79	574,444.94	2.235E+00	Pulse	0.50	3
Fe			1	9666.918	ug/l	8.56	107,639,720.00	4.188E+02	Analog	0.50	3
Co			1	91.162	ug/l	9.14	2,273,932.33	8.849E+00	Pulse	0.50	3
Ni			1	91.463	ug/l	7.88	633,318.96	2.464E+00	Pulse	0.50	3
Cu			1	89.942	ug/l	8.77	1,767,471.54	6.878E+00	Pulse	0.50	3
Zn			1	90.025	ug/l	8.74	225,160.10	8.761E-01	Pulse	1.00	3
Cd			1	92.985	ug/l	6.20	354,099.06	1.926E-01	Pulse	0.50	3
Al			1	9794.379	ug/l	6.94	1,727,252.04	9.397E-01	Pulse	1.00	3
Se			1	90.095	ug/l	7.90	8,152.07	3.171E-02	Pulse	3.00	3
Sb			1	93.118	ug/l	6.07	925,139.54	5.033E-01	Pulse	1.00	3
Se			1	97.850	ug/l	9.09	4,141.68	2.860E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,519,084.00	1.19	87.5	Pulse	0.50	3
1	Sc		257,594.55	4.07	110.0	Pulse	0.30	3
1	Ge		202,873.59	2.79	100.7	Pulse	0.30	3
1	In		1,839,657.91	1.92	97.6	Pulse	0.30	3
1	Tb		7,296,793.00	2.30	102.3	Analog	0.50	3
1	Lu		3,968,269.17	1.52	92.9	Pulse	0.50	3

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Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Ge		310,632.02	2.64	102.1	Pulse	0.30	3
1	Te		14,513.82	3.71	96.2	Pulse	0.50	3
1	Li		805.58	10.21	107.7	Pulse	0.30	3

Quantitation Report

File Name 083_CCB.d
File Path C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 14:57
Sample Name CCB
Sample Type CCB
Comment
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.033	ug/l	78.47	2,142.79	8.239E-03	Pulse	0.50	3
As			1	0.025	ug/l	94.69	88.67	3.402E-04	Pulse	1.00	3
Mo			1	0.117	ug/l	33.60	1,112.71	5.937E-04	Pulse	0.50	3
Pb			1	0.042	ug/l	55.74	2,757.59	5.908E-04	Pulse	1.00	3
Be			1	-0.016	ug/l	-147.15	2.33	1.243E-06	Pulse	2.00	3
Ag			1	0.032	ug/l	57.27	1,014.04	5.406E-04	Pulse	0.50	3
Ba			1	0.040	ug/l	72.66	154.00	1.038E-02	Pulse	0.50	3
Tl			1	0.169	ug/l	17.13	10,865.58	2.332E-03	Pulse	0.50	3
Sn			1	0.175	ug/l	37.50	1,655.75	8.852E-04	Pulse	0.30	3
Sr			1	0.026	ug/l	114.18	874.03	4.665E-04	Pulse	0.50	3
[Pb]			1	0.039	ug/l	54.85	1,234.05	2.642E-04	Pulse	0.50	3
Ca			1	0.230	ug/l	1531.26	336.00	1.289E-03	Pulse	0.50	3
Ti			1	0.069	ug/l	86.04	26.67	1.025E-04	Pulse	0.50	3
Na			1	10.934	ug/l	46.47	36,963.57	1.421E-01	Pulse	1.00	3
Mg			1	3.029	ug/l	79.08	2,141.17	8.196E-03	Pulse	1.00	3
K			1	4.007	ug/l	43.67	31,776.85	1.223E-01	Pulse	1.00	3
V			1	0.006	ug/l	242.78	520.68	1.999E-03	Pulse	0.50	3
Mn			1	0.088	ug/l	36.55	648.68	2.490E-03	Pulse	0.50	3
Fe			1	4.340	ug/l	67.76	53,770.23	2.060E-01	Pulse	0.50	3
Co			1	0.029	ug/l	78.59	812.69	3.111E-03	Pulse	0.50	3
Ni			1	0.014	ug/l	150.31	242.67	9.298E-04	Pulse	0.50	3
Cu			1	-0.251	ug/l	-17.16	11,175.95	4.300E-02	Pulse	0.50	3
Zn			1	-1.302	ug/l	-5.49	1,167.37	4.488E-03	Pulse	1.00	3
Cd			1	0.021	ug/l	61.18	83.33	4.437E-05	Pulse	0.50	3
Al			1	4.426	ug/l	55.30	1,334.72	7.118E-04	Pulse	1.00	3
Se			1	0.032	ug/l	63.41	46.45	1.787E-04	Pulse	3.00	3
Sb			1	0.109	ug/l	49.04	1,407.40	7.508E-04	Pulse	1.00	3
Se			1	-0.393	ug/l	-17.35	44.44	2.989E-03	Pulse	3.00	3

Quantitation Report

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,660,554.67	1.74	90.3	Pulse	0.50	3
1	Sc		259,813.50	1.66	110.9	Pulse	0.30	3
1	Ge		208,614.63	3.34	103.6	Pulse	0.30	3
1	In		1,873,981.18	1.53	99.4	Pulse	0.30	3
1	Tb		7,425,700.50	1.23	104.1	Analog	0.50	3
1	Lu		3,947,223.17	1.29	92.4	Pulse	0.50	3
1	Ge		313,632.72	2.90	103.1	Pulse	0.30	3
1	Te		14,864.73	1.12	98.5	Pulse	0.50	3
1	Li		735.57	11.33	98.4	Pulse	0.30	3

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Quantitation Report

File Name 084SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\wa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 15:02
Sample Name FA51264-3C
Sample Type Sample
Comment
Prep Dilution 5.000
Auto Dilution N/A
Total Dilution 5.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step **Tune File**
 1

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	4395.054	ug/l	1.55	13,987,120.33	4.958E+01	Analog	0.50	3
As			1	4915.247	ug/l	0.36	1,841,799.71	6.529E+00	Pulse	1.00	3
Mo			1	3184.165	ug/l	4.45	5,330,076.33	3.128E+00	Mix	0.50	3
Pb			1	2385.721	ug/l	1.81	18,755,755.33	4.400E+00	Analog	1.00	3
Be			1	3086.025	ug/l	0.71	29,792.58	1.748E-02	Pulse	2.00	3
Ag			1	2258.740	ug/l	1.55	12,593,875.67	7.389E+00	Analog	0.50	3
Ba			1	7897.259	ug/l	1.69	4,762,602.50	3.694E+02	Pulse	0.50	3
Tl			1	1762.838	ug/l	2.52	20,567,018.00	4.825E+00	Analog	0.50	3
Sn			1	2441.136	ug/l	1.91	3,147,837.44	1.847E+00	Pulse	0.30	3
Sr			1	2521.031	ug/l	0.70	3,424,347.83	2.009E+00	Pulse	0.50	3
[Pb]			1	2412.011	ug/l	2.56	8,819,762.00	2.069E+00	Analog	0.50	3
Ca			1	120405.689	ug/l	0.38	837,427.15	2.968E+00	Pulse	0.50	3
Ti			1	9290.273	ug/l	1.28	581,857.00	2.062E+00	Pulse	0.50	3
Na			1	4825.597	ug/l	0.11	1,594,735.79	5.653E+00	Pulse	1.00	3
Mg			1	62351.558	ug/l	1.06	8,781,674.67	3.113E+01	Analog	1.00	3
K			1	57422.350	ug/l	1.01	7,816,501.17	2.771E+01	Analog	1.00	3
V			1	1438.210	ug/l	1.29	3,427,022.58	1.215E+01	Pulse	0.50	3
Mn			1	8717.265	ug/l	0.67	11,921,051.33	4.226E+01	Analog	0.50	3
Fe			1	360363.603	ug/l	0.59	880,898,133.33	3.122E+03	Analog	0.50	3
Co			1	4602.213	ug/l	1.27	25,205,130.67	8.935E+01	Analog	0.50	3
Ni			1	2169.311	ug/l	1.23	3,296,527.42	1.169E+01	Pulse	0.50	3
Cu			1	2766.586	ug/l	2.00	11,845,675.00	4.199E+01	Analog	0.50	3
Zn			1	6355.974	ug/l	0.45	3,427,510.75	1.215E+01	Pulse	1.00	3
Cd			1	3934.532	ug/l	1.45	2,778,658.08	1.630E+00	Pulse	0.50	3
Al			1	273892.820	ug/l	0.81	8,956,524.33	5.254E+00	Analog	1.00	3
Se			1	1213.666	ug/l	0.09	24,025.07	8.516E-02	Pulse	3.00	3
Sb			1	1417.886	ug/l	1.12	2,611,806.33	1.532E+00	Pulse	1.00	3
Se			1	1704.454	ug/l	1.67	12,712.80	9.861E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,263,170.00	0.72	82.6	Pulse	0.50	3
1	Sc		282,112.98	0.99	120.4	Pulse	0.30	3
1	Ge		208,327.23	2.16	103.4	Pulse	0.30	3
1	In		1,704,666.70	1.37	90.5	Pulse	0.30	3
1	Tb		7,079,496.50	0.41	99.3	Analog	0.50	3
1	Lu		3,739,172.42	1.07	87.6	Pulse	0.50	3

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Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Ge		289,361.87	1.93	95.1	Pulse	0.30	3
1	Te		12,895.92	2.82	85.5	Pulse	0.50	3
1	Li		682.24	6.03	91.2	Pulse	0.30	3

Quantitation Report

File Name 085SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\0a022218m1.b
Method File
Method Path
Acq Time 2/22/2018 15:06
Sample Name BLANK
Sample Type Sample
Comment
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.081	ug/l	48.63	2,890.23	1.098E-02	Pulse	0.50	3
As			1	0.256	ug/l	47.61	493.01	1.877E-03	Pulse	1.00	3
Mo			1	0.202	ug/l	29.87	1,874.11	1.012E-03	Pulse	0.50	3
Pb			1	0.092	ug/l	40.20	4,802.41	1.052E-03	Pulse	1.00	3
Be			1	0.023	ug/l	152.75	4.33	2.330E-06	Pulse	2.00	3
Ag			1	0.046	ug/l	48.18	1,420.74	7.669E-04	Pulse	0.50	3
Ba			1	0.044	ug/l	86.94	166.67	1.142E-02	Pulse	0.50	3
Tl			1	0.768	ug/l	18.04	48,103.07	1.053E-02	Pulse	0.50	3
Sn			1	0.240	ug/l	48.59	2,091.26	1.128E-03	Pulse	0.30	3
Sr			1	0.032	ug/l	96.97	910.69	4.915E-04	Pulse	0.50	3
[Pb]			1	0.092	ug/l	36.80	2,236.83	4.897E-04	Pulse	0.50	3
Ca			1	1.052	ug/l	273.29	366.00	1.390E-03	Pulse	0.50	3
Ti			1	0.539	ug/l	37.29	164.00	6.240E-04	Pulse	0.50	3
Na			1	7.368	ug/l	47.58	32,003.05	1.215E-01	Pulse	1.00	3
Mg			1	3.376	ug/l	49.48	2,380.84	9.061E-03	Pulse	1.00	3
K			1	3.284	ug/l	115.77	31,776.20	1.206E-01	Pulse	1.00	3
V			1	0.026	ug/l	106.17	746.02	2.837E-03	Pulse	0.50	3
Mn			1	0.075	ug/l	59.44	571.34	2.175E-03	Pulse	0.50	3
Fe			1	22.473	ug/l	58.40	260,373.68	9.916E-01	Pulse	0.50	3
Co			1	0.036	ug/l	66.36	992.71	3.782E-03	Pulse	0.50	3
Ni			1	0.015	ug/l	138.08	255.34	9.714E-04	Pulse	0.50	3
Cu			1	-0.244	ug/l	-24.84	11,470.79	4.353E-02	Pulse	0.50	3
Zn			1	-1.395	ug/l	-6.66	946.36	3.597E-03	Pulse	1.00	3
Cd			1	0.034	ug/l	54.85	130.00	7.003E-05	Pulse	0.50	3
Al			1	3.515	ug/l	117.52	1,157.05	6.244E-04	Pulse	1.00	3
Se			1	-0.035	ug/l	-93.23	41.00	1.554E-04	Pulse	3.00	3
Sb			1	0.173	ug/l	39.02	2,036.13	1.099E-03	Pulse	1.00	3
Se			1	-0.419	ug/l	-34.10	42.78	2.914E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,570,396.17	0.68	88.5	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Sc		263,807.89	2.25	112.6	Pulse	0.30	3
1	Ge		213,188.34	4.05	105.8	Pulse	0.30	3
1	In		1,851,553.61	1.83	98.2	Pulse	0.30	3
1	Tb		7,258,602.50	1.32	101.8	Analog	0.50	3
1	Lu		3,837,291.42	1.50	89.9	Pulse	0.50	3
1	Ge		322,125.63	3.15	105.9	Pulse	0.30	3
1	Te		14,698.65	1.68	97.4	Pulse	0.50	3
1	Li		756.68	5.52	101.2	Pulse	0.30	3

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Quantitation Report

File Name 086SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\14702218m1.b
Method File
Method Path
Acq Time 2/22/2018 15:11
Sample Name FA51184-1E
Sample Type Sample
Comment
Prep Dilution 10.000
Auto Dilution N/A
Total Dilution 10.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	201.218	ug/l	6.75	303,223.14	1.141E+00	Pulse	0.50	3
As			1	89.303	ug/l	5.71	15,803.21	5.948E-02	Pulse	1.00	3
Mo			1	165.908	ug/l	7.38	149,006.02	8.151E-02	Pulse	0.50	3
Pb			1	123.571	ug/l	5.41	512,232.07	1.141E-01	Pulse	1.00	3
Be			1	341.907	ug/l	4.76	1,772.41	9.698E-04	Pulse	2.00	3
Ag			1	843.737	ug/l	4.20	2,521,874.67	1.380E+00	Pulse	0.50	3
Ba			1	1558.448	ug/l	5.54	519,343.50	3.645E+01	Pulse	0.50	3
Tl			1	412.861	ug/l	7.76	2,536,950.83	5.650E-01	Pulse	0.50	3
Sn			1	2.227	ug/l	15.26	1,942.34	1.065E-03	Pulse	0.30	3
Sr			1	397.611	ug/l	5.63	290,154.94	1.587E-01	Pulse	0.50	3
[Pb]			1	126.788	ug/l	6.10	244,437.01	5.447E-02	Pulse	0.50	3
Ca			1	2018.640	ug/l	5.38	6,942.59	2.613E-02	Pulse	0.50	3
Ti			1	2.393	ug/l	12.27	77.33	2.910E-04	Pulse	0.50	3
Na			1	141.981	ug/l	39.04	42,699.96	1.609E-01	Pulse	1.00	3
Mg			1	33.896	ug/l	81.64	2,406.55	9.095E-03	Pulse	1.00	3
K			1	61.267	ug/l	55.86	33,824.25	1.274E-01	Pulse	1.00	3
V			1	601.796	ug/l	8.13	675,648.79	2.543E+00	Pulse	0.50	3
Mn			1	233.099	ug/l	6.16	150,210.86	5.653E-01	Pulse	0.50	3
Fe			1	1720.235	ug/l	4.81	1,984,755.17	7.471E+00	Pulse	0.50	3
Co			1	771.790	ug/l	7.46	1,990,804.58	7.492E+00	Pulse	0.50	3
Ni			1	813.846	ug/l	7.26	582,518.67	2.192E+00	Pulse	0.50	3
Cu			1	540.929	ug/l	7.68	1,105,687.81	4.161E+00	Pulse	0.50	3
Zn			1	552.940	ug/l	7.33	144,713.84	5.446E-01	Pulse	1.00	3
Cd			1	406.543	ug/l	5.71	153,938.62	8.422E-02	Pulse	0.50	3
Al			1	3665.136	ug/l	5.09	64,771.14	3.544E-02	Pulse	1.00	3
Se			1	610.128	ug/l	6.17	5,721.30	2.153E-02	Pulse	3.00	3
Sb			1	545.060	ug/l	6.03	538,552.35	2.946E-01	Pulse	1.00	3
Se			1	678.499	ug/l	5.55	2,843.33	1.996E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,484,706.33	2.64	86.8	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Sc		265,633.98	1.03	113.4	Pulse	0.30	3
1	Ge		210,339.13	1.49	104.4	Pulse	0.30	3
1	In		1,826,646.80	1.73	96.9	Pulse	0.30	3
1	Tb		7,166,755.67	0.60	100.5	Analog	0.50	3
1	Lu		3,757,973.58	1.15	88.0	Pulse	0.50	3
1	Ge		317,225.70	2.66	104.3	Pulse	0.30	3
1	Te		14,239.59	1.52	94.4	Pulse	0.50	3
1	Li		720.02	9.67	96.3	Pulse	0.30	3

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Quantitation Report

File Name 0875MPL.d
File Path C:\Agilent\ICPMH\1\DATA\14702218m1.b
Method File
Method Path
Acq Time 2/22/2018 15:16
Sample Name FA51184-1C
Sample Type Sample
Comment
Prep Dilution 10.000
Auto Dilution N/A
Total Dilution 10.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	217.695	ug/l	2.12	329,090.91	1.234E+00	Pulse	0.50	3
As			1	95.131	ug/l	2.71	16,893.80	6.335E-02	Pulse	1.00	3
Mo			1	177.807	ug/l	3.01	160,676.29	8.736E-02	Pulse	0.50	3
Pb			1	132.112	ug/l	4.45	542,076.15	1.220E-01	Pulse	1.00	3
Be			1	377.193	ug/l	1.40	1,967.77	1.070E-03	Pulse	2.00	3
Ag			1	880.671	ug/l	3.10	2,649,381.58	1.440E+00	Pulse	0.50	3
Ba			1	1638.782	ug/l	2.29	549,681.46	3.833E+01	Pulse	0.50	3
Tl			1	437.092	ug/l	7.57	2,656,116.92	5.982E-01	Pulse	0.50	3
Sn			1	1.965	ug/l	24.67	1,777.88	9.655E-04	Pulse	0.30	3
Sr			1	422.486	ug/l	1.87	310,235.82	1.687E-01	Pulse	0.50	3
[Pb]			1	135.118	ug/l	1.69	257,984.50	5.805E-02	Pulse	0.50	3
Ca			1	2129.695	ug/l	4.16	7,332.73	2.750E-02	Pulse	0.50	3
Ti			1	2.420	ug/l	41.07	78.67	2.941E-04	Pulse	0.50	3
Na			1	140.564	ug/l	37.98	42,762.80	1.601E-01	Pulse	1.00	3
Mg			1	32.439	ug/l	90.60	2,344.59	8.731E-03	Pulse	1.00	3
K			1	69.609	ug/l	41.87	34,521.16	1.294E-01	Pulse	1.00	3
V			1	649.213	ug/l	2.11	731,416.75	2.743E+00	Pulse	0.50	3
Mn			1	255.172	ug/l	2.22	165,009.62	6.188E-01	Pulse	0.50	3
Fe			1	1807.284	ug/l	1.54	2,092,682.62	7.848E+00	Pulse	0.50	3
Co			1	829.224	ug/l	2.17	2,146,357.25	8.050E+00	Pulse	0.50	3
Ni			1	878.917	ug/l	2.12	631,309.98	2.368E+00	Pulse	0.50	3
Cu			1	579.636	ug/l	2.96	1,187,700.67	4.454E+00	Pulse	0.50	3
Zn			1	597.593	ug/l	2.22	156,589.60	5.873E-01	Pulse	1.00	3
Cd			1	429.333	ug/l	3.14	163,591.26	8.894E-02	Pulse	0.50	3
Al			1	3981.778	ug/l	0.99	70,783.32	3.848E-02	Pulse	1.00	3
Se			1	641.369	ug/l	2.45	6,032.73	2.263E-02	Pulse	3.00	3
Sb			1	574.914	ug/l	2.87	571,625.44	3.108E-01	Pulse	1.00	3
Se			1	720.550	ug/l	4.12	3,034.91	2.117E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,445,733.33	2.38	86.1	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Sc		266,689.85	1.28	113.8	Pulse	0.30	3
1	Ge		212,614.11	4.35	105.5	Pulse	0.30	3
1	In		1,839,665.83	0.88	97.6	Pulse	0.30	3
1	Tb		7,173,812.00	0.78	100.6	Analog	0.50	3
1	Lu		3,746,661.75	0.27	87.7	Pulse	0.50	3
1	Ge		322,970.08	3.98	106.1	Pulse	0.30	3
1	Te		14,343.67	1.68	95.1	Pulse	0.50	3
1	Li		751.13	5.91	100.4	Pulse	0.30	3

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Quantitation Report

File Name 088SMPL.d
File Path C:\Agilent\ICPMH\1\DATA\18m1.b
Method File
Method Path
Acq Time 2/22/2018 15:20
Sample Name FA51184-1B
Sample Type Sample
Comment
Prep Dilution 10.000
Auto Dilution N/A
Total Dilution 10.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	215.597	ug/l	3.92	327,623.11	1.222E+00	Pulse	0.50	3
As			1	95.992	ug/l	2.96	17,135.01	6.392E-02	Pulse	1.00	3
Mo			1	181.511	ug/l	2.25	163,625.45	8.917E-02	Pulse	0.50	3
Pb			1	132.803	ug/l	5.31	535,232.47	1.227E-01	Pulse	1.00	3
Be			1	349.275	ug/l	2.68	1,817.75	9.906E-04	Pulse	2.00	3
Ag			1	876.019	ug/l	2.11	2,629,192.92	1.433E+00	Pulse	0.50	3
Ba			1	1649.717	ug/l	1.83	550,635.86	3.859E+01	Pulse	0.50	3
Tl			1	444.126	ug/l	9.23	2,649,960.50	6.078E-01	Pulse	0.50	3
Sn			1	2.100	ug/l	57.53	1,872.86	1.016E-03	Pulse	0.30	3
Sr			1	427.372	ug/l	2.02	313,035.50	1.706E-01	Pulse	0.50	3
[Pb]			1	137.229	ug/l	3.70	257,355.47	5.895E-02	Pulse	0.50	3
Ca			1	2086.849	ug/l	1.47	7,232.02	2.697E-02	Pulse	0.50	3
Ti			1	0.812	ug/l	121.02	31.33	1.156E-04	Pulse	0.50	3
Na			1	135.813	ug/l	41.77	42,294.16	1.574E-01	Pulse	1.00	3
Mg			1	31.955	ug/l	92.82	2,331.57	8.611E-03	Pulse	1.00	3
K			1	67.972	ug/l	40.76	34,609.99	1.290E-01	Pulse	1.00	3
V			1	637.781	ug/l	2.49	722,433.02	2.695E+00	Pulse	0.50	3
Mn			1	249.749	ug/l	2.08	162,377.23	6.057E-01	Pulse	0.50	3
Fe			1	1797.904	ug/l	0.98	2,093,239.00	7.807E+00	Pulse	0.50	3
Co			1	814.640	ug/l	2.84	2,119,824.08	7.908E+00	Pulse	0.50	3
Ni			1	871.269	ug/l	3.69	629,074.56	2.347E+00	Pulse	0.50	3
Cu			1	572.287	ug/l	2.46	1,179,163.17	4.399E+00	Pulse	0.50	3
Zn			1	608.138	ug/l	3.50	160,108.97	5.973E-01	Pulse	1.00	3
Cd			1	426.661	ug/l	2.98	162,172.65	8.839E-02	Pulse	0.50	3
Al			1	3989.556	ug/l	2.40	70,737.03	3.855E-02	Pulse	1.00	3
Se			1	650.876	ug/l	2.48	6,154.44	2.296E-02	Pulse	3.00	3
Sb			1	598.154	ug/l	2.65	593,254.37	3.233E-01	Pulse	1.00	3
Se			1	715.950	ug/l	1.65	3,001.90	2.104E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,369,178.00	3.64	84.6	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Sc		268,144.70	1.77	114.5	Pulse	0.30	3
1	Ge		212,239.74	4.28	105.4	Pulse	0.30	3
1	In		1,835,343.54	1.89	97.4	Pulse	0.30	3
1	Tb		7,024,144.50	3.22	98.5	Analog	0.50	3
1	Lu		3,707,872.58	1.46	86.8	Pulse	0.50	3
1	Ge		319,387.29	4.32	105.0	Pulse	0.30	3
1	Te		14,272.96	1.77	94.6	Pulse	0.50	3
1	Li		743.35	6.51	99.4	Pulse	0.30	3

Quantitation Report

File Name 089LCCV.d
File Path C:\Agilent\ICPMH\1\DATA\1\022218m1.b
Method File
Method Path
Acq Time 2/22/2018 15:25
Sample Name CRIA
Sample Type CRIA
Comment
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.956	ug/l	5.13	16,249.50	6.032E-02	Pulse	0.50	3
As			1	0.920	ug/l	8.19	1,693.41	6.286E-03	Pulse	1.00	3
Mo			1	1.011	ug/l	3.42	9,307.68	4.988E-03	Pulse	0.50	3
Pb			1	0.949	ug/l	5.52	39,866.86	8.948E-03	Pulse	1.00	3
Be			1	1.023	ug/l	17.14	57.17	3.064E-05	Pulse	2.00	3
Ag			1	0.975	ug/l	4.10	29,792.76	1.597E-02	Pulse	0.50	3
Ba			1	0.925	ug/l	4.41	3,223.64	2.173E-01	Pulse	0.50	3
Tl			1	1.260	ug/l	1.92	76,904.03	1.726E-02	Pulse	0.50	3
Sn			1	0.968	ug/l	4.17	7,242.60	3.882E-03	Pulse	0.30	3
Sr			1	1.021	ug/l	3.33	8,268.52	4.432E-03	Pulse	0.50	3
[Pb]			1	0.968	ug/l	6.27	18,921.92	4.247E-03	Pulse	0.50	3
Ca			1	97.201	ug/l	3.03	3,567.01	1.324E-02	Pulse	0.50	3
Ti			1	0.971	ug/l	4.03	297.33	1.104E-03	Pulse	0.50	3
Na			1	104.827	ug/l	0.77	184,397.31	6.843E-01	Pulse	1.00	3
Mg			1	97.562	ug/l	5.35	65,779.98	2.442E-01	Pulse	1.00	3
K			1	102.393	ug/l	3.60	96,645.60	3.587E-01	Pulse	1.00	3
V			1	0.926	ug/l	4.90	11,004.48	4.084E-02	Pulse	0.50	3
Mn			1	1.000	ug/l	4.27	6,630.50	2.461E-02	Pulse	0.50	3
Fe			1	94.904	ug/l	5.16	1,112,586.75	4.130E+00	Pulse	0.50	3
Co			1	0.960	ug/l	3.41	25,184.46	9.348E-02	Pulse	0.50	3
Ni			1	0.935	ug/l	4.51	6,937.27	2.575E-02	Pulse	0.50	3
Cu			1	0.683	ug/l	3.29	30,673.77	1.138E-01	Pulse	0.50	3
Zn			1	-0.415	ug/l	-6.12	3,490.99	1.295E-02	Pulse	1.00	3
Cd			1	0.956	ug/l	4.15	3,695.71	1.980E-03	Pulse	0.50	3
Al			1	105.183	ug/l	5.85	19,361.09	1.038E-02	Pulse	1.00	3
Se			1	0.864	ug/l	7.06	126.67	4.700E-04	Pulse	3.00	3
Sb			1	0.996	ug/l	1.46	10,337.92	5.541E-03	Pulse	1.00	3
Se			1	0.714	ug/l	25.08	91.67	6.177E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,455,852.00	0.44	86.3	Pulse	0.50	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Sc		269,461.03	0.68	115.0	Pulse	0.30	3
1	Ge		214,765.99	2.54	106.6	Pulse	0.30	3
1	In		1,865,800.06	0.59	99.0	Pulse	0.30	3
1	Tb		7,231,992.67	0.60	101.4	Analog	0.50	3
1	Lu		3,836,137.50	0.77	89.8	Pulse	0.50	3
1	Ge		321,165.38	3.58	105.6	Pulse	0.30	3
1	Te		14,839.40	2.04	98.3	Pulse	0.50	3
1	Li		824.47	8.10	110.3	Pulse	0.30	3

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Quantitation Report

File Name 090ICSA.d
File Path C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 15:30
Sample Name
Sample Type ICSA
Comment
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	1.179	ug/l	10.30	18,096.47	7.291E-02	Pulse	0.50	3
As			1	0.085	ug/l	10.94	184.00	7.394E-04	Pulse	1.00	3
Mo			1	2036.496	ug/l	11.73	17,454,222.33	1.000E+01	Analog	0.50	3
Pb			1	0.101	ug/l	6.26	4,707.33	1.134E-03	Pulse	1.00	3
Be			1	-0.016	ug/l	-87.67	2.17	1.233E-06	Pulse	2.00	3
Ag			1	0.062	ug/l	8.25	1,816.10	1.038E-03	Pulse	0.50	3
Ba			1	0.082	ug/l	34.98	275.34	2.033E-02	Pulse	0.50	3
Tl			1	0.101	ug/l	12.68	5,824.37	1.403E-03	Pulse	0.50	3
Sn			1	0.099	ug/l	17.73	1,044.48	5.961E-04	Pulse	0.30	3
Sr			1	0.882	ug/l	9.09	6,769.91	3.877E-03	Pulse	0.50	3
[Pb]			1	0.103	ug/l	13.21	2,228.82	5.365E-04	Pulse	0.50	3
Ca			1	88465.021	ug/l	9.96	2,705,651.83	1.090E+01	Pulse	0.50	3
Ti			1	1809.484	ug/l	10.71	498,461.90	2.009E+00	Pulse	0.50	3
Na			1	96802.639	ug/l	8.86	138,805,352.00	5.592E+02	Analog	1.00	3
Mg			1	96381.055	ug/l	10.30	59,709,416.00	2.406E+02	Analog	1.00	3
K			1	99668.596	ug/l	7.56	59,491,436.00	2.396E+02	Analog	1.00	3
V			1	0.010	ug/l	167.07	545.35	2.183E-03	Pulse	0.50	3
Mn			1	0.244	ug/l	2.78	1,558.74	6.273E-03	Pulse	0.50	3
Fe			1	94393.123	ug/l	10.25	1,014,956,458.67	4.090E+03	Analog	0.50	3
Co			1	0.032	ug/l	66.76	852.70	3.398E-03	Pulse	0.50	3
Ni			1	0.116	ug/l	9.21	913.36	3.670E-03	Pulse	0.50	3
Cu			1	-0.201	ug/l	-20.32	11,642.93	4.679E-02	Pulse	0.50	3
Zn			1	-0.527	ug/l	-11.11	2,956.24	1.188E-02	Pulse	1.00	3
Cd			1	0.234	ug/l	8.42	846.69	4.849E-04	Pulse	0.50	3
Al			1	101883.333	ug/l	11.53	17,052,796.33	9.772E+00	Analog	1.00	3
Se			1	0.020	ug/l	269.06	43.45	1.745E-04	Pulse	3.00	3
Sb			1	0.125	ug/l	20.87	1,465.06	8.353E-04	Pulse	1.00	3
Se			1	-0.208	ug/l	-90.85	47.56	3.521E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,147,603.00	2.49	80.3	Pulse	0.50	3
1	Sc		248,582.02	2.34	106.1	Pulse	0.30	3
1	Ge		195,719.07	2.53	97.2	Pulse	0.30	3
1	In		1,748,785.42	2.84	92.8	Pulse	0.30	3
1	Tb		7,177,975.50	2.17	100.7	Analog	0.50	3
1	Lu		3,919,643.00	1.57	91.8	Pulse	0.50	3
1	Ge		290,834.60	3.40	95.6	Pulse	0.30	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Te		13,484.34	2.14	89.4	Pulse	0.50	3
1	Li		672.24	10.60	89.9	Pulse	0.30	3

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Quantitation Report

File Name 091ICSB.d
File Path C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 15:34
Sample Name ICSAB
Sample Type ICSAB
Comment
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step **Tune File**
 1

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	19.435	ug/l	2.34	281,651.33	1.103E+00	Pulse	0.50	3
As			1	18.370	ug/l	3.64	31,205.72	1.222E-01	Pulse	1.00	3
Mo			1	2136.365	ug/l	2.92	18,267,411.33	1.049E+01	Analog	0.50	3
Pb			1	0.088	ug/l	3.01	4,140.84	1.012E-03	Pulse	1.00	3
Be			1	-0.026	ug/l	-19.31	1.67	9.548E-07	Pulse	2.00	3
Ag			1	17.917	ug/l	3.69	510,107.55	2.931E-01	Pulse	0.50	3
Ba			1	0.061	ug/l	17.44	205.33	1.541E-02	Pulse	0.50	3
Tl			1	0.055	ug/l	18.60	3,173.65	7.784E-04	Pulse	0.50	3
Sn			1	0.107	ug/l	5.08	1,093.38	6.276E-04	Pulse	0.30	3
Sr			1	0.861	ug/l	3.62	6,599.85	3.791E-03	Pulse	0.50	3
[Pb]			1	0.090	ug/l	4.05	1,978.12	4.831E-04	Pulse	0.50	3
Ca			1	90043.523	ug/l	3.35	2,834,245.50	1.110E+01	Pulse	0.50	3
Ti			1	1830.836	ug/l	2.56	519,145.92	2.032E+00	Pulse	0.50	3
Na			1	98335.848	ug/l	2.37	145,100,938.67	5.680E+02	Analog	1.00	3
Mg			1	97566.867	ug/l	3.20	62,211,213.33	2.435E+02	Analog	1.00	3
K			1	100295.500	ug/l	2.52	61,592,733.33	2.411E+02	Analog	1.00	3
V			1	-0.001	ug/l	-329.16	433.34	1.695E-03	Pulse	0.50	3
Mn			1	18.368	ug/l	2.31	113,822.06	4.456E-01	Pulse	0.50	3
Fe			1	96232.745	ug/l	2.49	1,065,043,733.33	4.169E+03	Analog	0.50	3
Co			1	17.997	ug/l	2.19	446,364.39	1.747E+00	Pulse	0.50	3
Ni			1	17.645	ug/l	3.19	121,526.10	4.758E-01	Pulse	0.50	3
Cu			1	16.677	ug/l	4.66	338,621.02	1.326E+00	Pulse	0.50	3
Zn			1	16.305	ug/l	2.05	44,075.45	1.725E-01	Pulse	1.00	3
Cd			1	18.450	ug/l	2.74	66,537.63	3.822E-02	Pulse	0.50	3
Al			1	106353.312	ug/l	4.26	17,754,859.33	1.020E+01	Analog	1.00	3
Se			1	-0.017	ug/l	-411.65	41.33	1.617E-04	Pulse	3.00	3
Sb			1	0.150	ug/l	15.38	1,701.08	9.748E-04	Pulse	1.00	3
Se			1	-0.331	ug/l	-60.38	42.34	3.164E-03	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,091,295.33	3.45	79.2	Pulse	0.50	3
1	Sc		255,508.36	1.30	109.1	Pulse	0.30	3
1	Ge		199,628.51	2.22	99.1	Pulse	0.30	3
1	In		1,741,635.10	2.33	92.4	Pulse	0.30	3
1	Tb		7,164,522.33	2.43	100.5	Analog	0.50	3
1	Lu		3,815,698.00	2.86	89.4	Pulse	0.50	3
1	Ge		293,974.98	1.69	96.6	Pulse	0.30	3

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Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Te		13,348.23	2.14	88.5	Pulse	0.50	3
1	Li		664.46	2.57	88.9	Pulse	0.30	3

Quantitation Report

File Name 092CCVA.d
File Path C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 15:39
Sample Name CCV (Ag)
Sample Type CCV_Ag
Comment =std 4
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	46.484	ug/l	2.61	691,800.64	2.628E+00	Pulse	0.50	3
As			1	46.444	ug/l	2.40	81,235.56	3.086E-01	Pulse	1.00	3
Mo			1	49.531	ug/l	2.13	449,908.38	2.433E-01	Pulse	0.50	3
Pb			1	46.443	ug/l	3.93	1,928,165.75	4.284E-01	Pulse	1.00	3
Be			1	50.001	ug/l	4.36	2,621.01	1.417E-03	Pulse	2.00	3
Ag			1	48.150	ug/l	2.44	1,456,318.67	7.875E-01	Pulse	0.50	3
Ba			1	45.557	ug/l	3.44	154,731.74	1.066E+01	Pulse	0.50	3
Tl			1	45.774	ug/l	5.39	2,819,071.42	6.264E-01	Pulse	0.50	3
Sn			1	47.319	ug/l	2.51	331,387.17	1.792E-01	Pulse	0.30	3
Sr			1	48.694	ug/l	2.08	359,350.72	1.943E-01	Pulse	0.50	3
[Pb]			1	47.051	ug/l	3.80	908,678.16	2.019E-01	Pulse	0.50	3
Ca			1	4686.198	ug/l	2.66	152,322.59	5.787E-01	Pulse	0.50	3
Ti			1	47.871	ug/l	4.61	13,995.72	5.316E-02	Pulse	0.50	3
Na			1	4977.518	ug/l	1.77	7,587,503.83	2.883E+01	Analog	1.00	3
Mg			1	4630.529	ug/l	2.53	3,042,770.92	1.156E+01	Pulse	1.00	3
K			1	4765.657	ug/l	1.58	3,043,965.83	1.156E+01	Pulse	1.00	3
V			1	46.982	ug/l	2.02	522,653.70	1.986E+00	Pulse	0.50	3
Mn			1	46.324	ug/l	3.20	295,647.34	1.123E+00	Pulse	0.50	3
Fe			1	4888.505	ug/l	1.00	55,753,654.67	2.118E+02	Analog	0.50	3
Co			1	46.586	ug/l	3.42	1,190,491.21	4.522E+00	Pulse	0.50	3
Ni			1	46.735	ug/l	2.21	331,460.08	1.259E+00	Pulse	0.50	3
Cu			1	45.886	ug/l	2.18	931,620.75	3.539E+00	Pulse	0.50	3
Zn			1	44.997	ug/l	2.94	117,497.88	4.464E-01	Pulse	1.00	3
Cd			1	47.124	ug/l	3.37	180,514.48	9.762E-02	Pulse	0.50	3
Al			1	4989.022	ug/l	2.20	885,415.25	4.788E-01	Pulse	1.00	3
Se			1	44.731	ug/l	3.21	4,167.01	1.583E-02	Pulse	3.00	3
Sb			1	46.955	ug/l	2.71	469,404.29	2.538E-01	Pulse	1.00	3
Se			1	49.140	ug/l	3.07	2,115.23	1.457E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,502,531.83	2.01	87.2	Pulse	0.50	3
1	Sc		263,217.01	0.64	112.4	Pulse	0.30	3
1	Ge		211,359.50	0.64	104.9	Pulse	0.30	3

Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	In		1,849,285.48	0.61	98.1	Pulse	0.30	3
1	Tb		7,347,580.67	0.83	103.0	Analog	0.50	3
1	Lu		3,842,025.33	2.90	90.0	Pulse	0.50	3
1	Ge		319,344.24	1.12	105.0	Pulse	0.30	3
1	Te		14,523.13	1.00	96.3	Pulse	0.50	3
1	Li		672.24	14.17	89.9	Pulse	0.30	3

Quantitation Report

File Name 093_CCV.d
File Path C:\Agilent\ICPMH\1\DATA\wa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 15:44
Sample Name CCV
Sample Type CCV
Comment =std 5
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step **Tune File**
 1

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	92.742	ug/l	6.61	1,373,766.21	5.237E+00	Pulse	0.50	3
As			1	92.491	ug/l	5.06	161,139.65	6.144E-01	Pulse	1.00	3
Mo			1	99.447	ug/l	6.06	880,532.23	4.885E-01	Pulse	0.50	3
Pb			1	95.480	ug/l	5.88	3,799,648.42	8.806E-01	Pulse	1.00	3
Be			1	101.769	ug/l	7.21	5,197.50	2.883E-03	Pulse	2.00	3
Ag			1	96.490	ug/l	6.22	2,844,801.08	1.578E+00	Pulse	0.50	3
Ba			1	93.008	ug/l	5.27	308,826.21	2.175E+01	Pulse	0.50	3
Tl			1	95.141	ug/l	5.83	5,617,817.33	1.302E+00	Pulse	0.50	3
Sn			1	94.080	ug/l	7.49	641,948.03	3.561E-01	Pulse	0.30	3
Sr			1	98.043	ug/l	6.67	704,638.48	3.909E-01	Pulse	0.50	3
[Pb]			1	97.280	ug/l	5.96	1,800,873.25	4.173E-01	Pulse	0.50	3
Ca			1	9473.560	ug/l	4.47	306,449.08	1.169E+00	Pulse	0.50	3
Ti			1	92.890	ug/l	4.69	27,047.43	1.031E-01	Pulse	0.50	3
Na			1	10019.976	ug/l	4.34	15,196,887.00	5.795E+01	Analog	1.00	3
Mg			1	9773.197	ug/l	6.16	6,399,259.00	2.440E+01	Analog	1.00	3
K			1	10211.719	ug/l	3.76	6,464,097.33	2.465E+01	Analog	1.00	3
V			1	93.985	ug/l	5.22	1,041,307.81	3.970E+00	Pulse	0.50	3
Mn			1	92.290	ug/l	5.43	586,797.27	2.237E+00	Pulse	0.50	3
Fe			1	9797.133	ug/l	5.98	111,336,266.67	4.245E+02	Analog	0.50	3
Co			1	92.409	ug/l	6.45	2,352,990.08	8.970E+00	Pulse	0.50	3
Ni			1	91.344	ug/l	5.32	645,365.79	2.461E+00	Pulse	0.50	3
Cu			1	90.708	ug/l	5.24	1,819,041.04	6.936E+00	Pulse	0.50	3
Zn			1	89.864	ug/l	6.14	229,400.97	8.746E-01	Pulse	1.00	3
Cd			1	95.683	ug/l	7.44	357,310.14	1.982E-01	Pulse	0.50	3
Al			1	9973.833	ug/l	6.90	1,725,087.05	9.569E-01	Pulse	1.00	3
Se			1	89.961	ug/l	5.24	8,305.59	3.167E-02	Pulse	3.00	3
Sb			1	95.272	ug/l	7.16	928,180.25	5.149E-01	Pulse	1.00	3
Se			1	99.199	ug/l	5.07	4,115.23	2.899E-01	Pulse	3.00	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,313,122.50	2.07	83.5	Pulse	0.50	3
1	Sc		262,115.75	1.80	111.9	Pulse	0.30	3
1	Ge		206,595.03	0.94	102.6	Pulse	0.30	3
1	In		1,802,135.21	1.06	95.6	Pulse	0.30	3
1	Tb		7,217,376.67	2.31	101.2	Analog	0.50	3
1	Lu		3,784,603.42	1.14	88.6	Pulse	0.50	3

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Quantitation Report

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Ge		311,965.77	1.10	102.5	Pulse	0.30	3
1	Te		14,190.21	1.51	94.0	Pulse	0.50	3
1	Li		673.35	4.23	90.0	Pulse	0.30	3

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Quantitation Report

File Name 094_CCB.d
File Path C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Method File
Method Path
Acq Time 2/22/2018 15:48
Sample Name CCB
Sample Type CCB
Comment
Prep Dilution 1.000
Auto Dilution N/A
Total Dilution 1.000
Operator Name admin
Acq Mode Spectrum
Cal Title
Cal Type External Calibration
Last Calib 2/23/2018 7:15
Bkg File
Bkg Mode Count Subtraction except for ISTD
Interference File
FQ Blank File
VIS Fit Point to Point

Tune Step 1
Tune File

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cr			1	0.036	ug/l	89.27	2,186.80	8.428E-03	Pulse	0.50	3
As			1	0.029	ug/l	99.99	96.00	3.718E-04	Pulse	1.00	3
Mo			1	0.245	ug/l	34.45	2,223.49	1.223E-03	Pulse	0.50	3
Pb			1	0.038	ug/l	61.13	2,438.21	5.522E-04	Pulse	1.00	3
Be			1	0.015	ug/l	140.71	3.83	2.105E-06	Pulse	2.00	3
Ag			1	0.048	ug/l	53.23	1,461.41	8.042E-04	Pulse	0.50	3
Ba			1	0.036	ug/l	99.43	132.67	9.381E-03	Pulse	0.50	3
Tl			1	0.165	ug/l	15.13	10,043.73	2.275E-03	Pulse	0.50	3
Sn			1	0.307	ug/l	62.57	2,531.40	1.384E-03	Pulse	0.30	3
Sr			1	0.024	ug/l	87.60	838.69	4.609E-04	Pulse	0.50	3
[Pb]			1	0.040	ug/l	70.76	1,182.05	2.677E-04	Pulse	0.50	3
Ca			1	1.102	ug/l	373.87	361.34	1.396E-03	Pulse	0.50	3
Ti			1	0.068	ug/l	85.14	26.00	1.009E-04	Pulse	0.50	3
Na			1	17.651	ug/l	33.00	46,952.43	1.809E-01	Pulse	1.00	3
Mg			1	3.715	ug/l	84.12	2,546.26	9.907E-03	Pulse	1.00	3
K			1	8.116	ug/l	57.10	34,368.21	1.322E-01	Pulse	1.00	3
V			1	0.006	ug/l	390.79	519.34	2.011E-03	Pulse	0.50	3
Mn			1	0.083	ug/l	22.59	618.68	2.383E-03	Pulse	0.50	3
Fe			1	6.432	ug/l	72.89	76,377.54	2.967E-01	Pulse	0.50	3
Co			1	0.027	ug/l	108.81	743.36	2.901E-03	Pulse	0.50	3
Ni			1	0.012	ug/l	140.74	228.00	8.831E-04	Pulse	0.50	3
Cu			1	-0.098	ug/l	-161.76	14,171.41	5.462E-02	Pulse	0.50	3
Zn			1	-1.204	ug/l	-14.20	1,405.39	5.424E-03	Pulse	1.00	3
Cd			1	0.024	ug/l	68.94	90.00	4.956E-05	Pulse	0.50	3
Al			1	5.549	ug/l	62.51	1,490.07	8.195E-04	Pulse	1.00	3
Se			1	-0.017	ug/l	-348.86	42.00	1.616E-04	Pulse	3.00	3
Sb			1	0.163	ug/l	36.76	1,896.78	1.043E-03	Pulse	1.00	3
Se			1	-0.387	ug/l	-38.11	43.00	3.004E-03	Pulse	3.00	3

Quantitation Report

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Bi		4,415,576.67	0.43	85.5	Pulse	0.50	3
1	Sc		260,405.97	2.48	111.2	Pulse	0.30	3
1	Ge		209,362.96	1.19	103.9	Pulse	0.30	3
1	In		1,822,077.15	1.23	96.7	Pulse	0.30	3
1	Tb		6,983,536.17	2.41	97.9	Analog	0.50	3
1	Lu		3,713,896.17	0.27	87.0	Pulse	0.50	3
1	Ge		313,121.34	1.14	102.9	Pulse	0.30	3
1	Te		14,348.35	2.54	95.1	Pulse	0.50	3
1	Li		684.46	11.05	91.5	Pulse	0.30	3

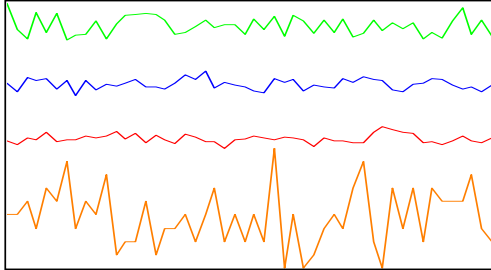
7.1

7

Tune Report

Batch Folder C:\Agilent\ICPMH\1\DATA\xa022218m1.b
Acq. Date-Time 2/22/2018 8:30
Report Comment 022218TUNE
Instrument Name G3281A JP12151709

[2]



Mass	Range	Count (Actual)	Response (Actual) [cps/ug/l]	Response (Required) [cps/ug/l]	Response (Flag)
59	5000	2426	24258.67	5000.00	
89	2000	1816	18159.88	5000.00	
205	10000	6890	68903.17	5000.00	
78	20	4			

Mass	Resp Ratio (Actual)	Resp Ratio (Required)	Resp Ratio (Flag)
59		-	
89		-	
205		-	
78		-	

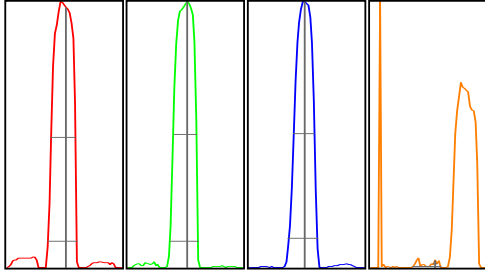
Mass	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
59	3.31	8.00	
89	3.81	8.00	
205	2.86	8.00	
78	55.89		

Mass	Background (Actual)	Background (Required)	Background (Flag)
59	0.10	2	
89	0.80	2	
205	0.80	2	
78	1.00	5	

Ratio	156/140	0.193 %
Ratio	70/140	1.543 %

Integration Time [sec] 0.1 **Sampling Period [sec]** 0.412

Tune Report



Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	W-50%	W-10% (Actual)	W-10% (Required)	W-10% (Flag)
59	2394.32	59.05	58.9 - 59.1		0.61	0.738	0.900	
89	1828.96	89.05	88.9 - 89.1		0.59	0.717	0.900	
205	6932.08	205.00	204.9 - 205.1		0.52	0.722	0.900	
78	6.00	78.20	-		0.09	0.714		

Integration Time [sec] 0.1 Acquisition Time [sec] 29.92 Y Axis Linear

Tune Parameters

Plasma Parameters

RF Power	1550 W	Nebulizer Pump	0.10 rps
RF Matching	1.70 V	S/C Temp	2 °C
Smpl Depth	10.0 mm	Gas Switch	Dilution Gas
Carrier Gas	0.65 L/min	Makeup/Dilution Gas	0.40 L/min
Option Gas	0.0 %		

Lenses Parameters

Extract 1	0.0 V	Cell Entrance	-28 V
Extract 2	-195.0 V	Cell Exit	-70 V
Omega Bias	-80 V	Deflect	2.6 V
Omega Lens	9.6 V	Plate Bias	-60 V

Cell Parameters

Use Gas	true	OctP Bias	-18.0 V
He Flow	5.0 mL/min	OctP RF	200 V
H2 Flow	0.0 mL/min	Energy Discrimination	3.0 V
3rd Gas Flow	0 %		

History

Sensitivity											
Created Date	Channel 1 Count	Channel 1 Mass	Channel 1 RSD%	Channel 2 Count	Channel 2 Mass	Channel 2 RSD%	Channel 3 Count	Channel 3 RSD%	Channel 3 Mass	Channel 3 RSD%	Oxide Mass
2/22/2018 8:16 AM	4477.5397	7	2.6118041	28964.26	89	1.8028831	23490.864	0.100 sec	205	2.090441	156/140

History

Background											
Oxide Ratio	Doubly Charged Mass	Doubly Charged Ratio	Sampling Period	Channel 1 Count	Channel 1 Mass	Channel 2 Count	Channel 2 Mass	Channel 3 Count	Channel 3 Mass	Channel 1 Axis	
1.10 %	70/140	7.89 %	0.311 sec	1.5000002	7	3.6000006	89	14.000007	205	00:00:23	7

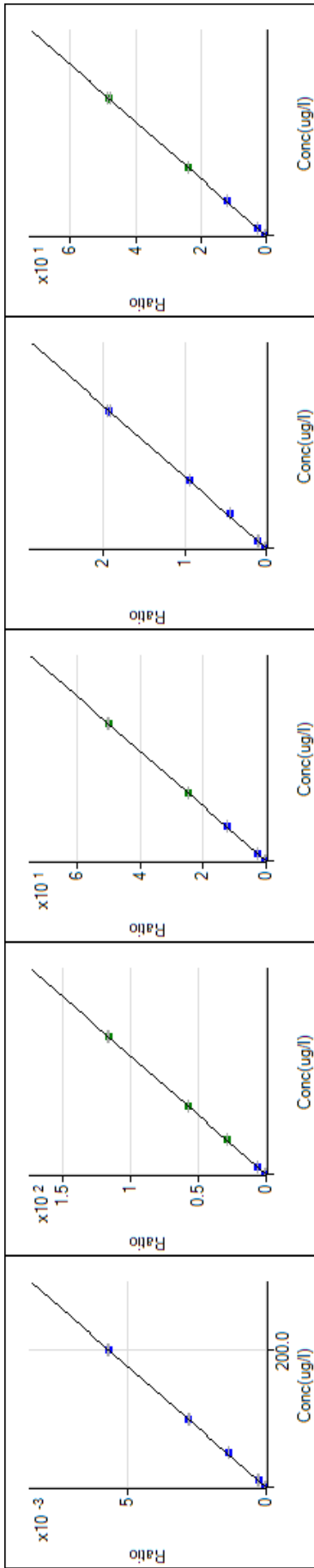
History

Resolution/Axis

Channel 1 Height	Integration Time	Channel 1 Mass	Channel 1 W-10%	Channel 1 W-50%	Channel 2 Axis	Channel 2 Height	Channel 2 Mass	Channel 2 W-10%	Channel 2 W-50%	Channel 3 Axis	Channel 3 Height	Channel 3 Mass
4434.2498	0.100 sec	7	0.7679572	0.6645912	89	29018.669	89	0.7609824	0.6029771	205	23355.635	205

History

Standard Tune Parameters Ion Lenses			
Channel 3 W-10%	Channel 3 W-50%	Extract 1	Extract 2
0.7532249	0.5191554	0.0 V	-190.0 V
			Omega Bias
			-80 V



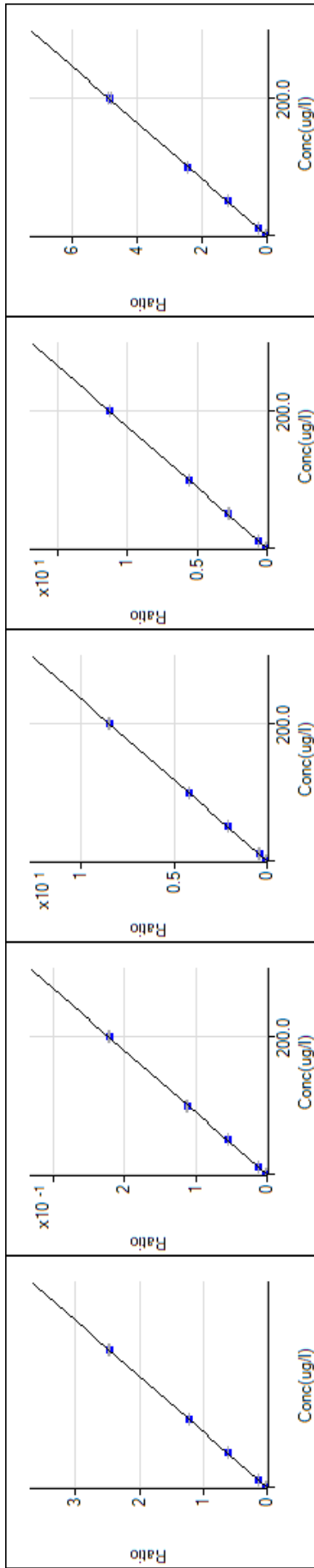
9 Be [2] / ISTD: 115 In
 $y = 2.831E-5 x + 1.692E-6$
 R 0.9999 DL 0.2204 BEC 0.05974

23 Na [2] / ISTD: 45 Sc
 $y = 5.775E-3 x + 7.892E-2$
 R 1.0000 DL 1.361 BEC 13.66

24 Mg [2] / ISTD: 45 Sc
 $y = 2.496E-3 x + 6.340E-4$
 R 1.0000 DL 0.2119 BEC 0.254

27 Al [2] / ISTD: 115 In
 $y = 9.591E-5 x + 2.873E-4$
 R 0.9998 DL 0.9056 BEC 2.995

39 K [2] / ISTD: 45 Sc
 $y = 2.403E-3 x + 1.127E-1$
 R 0.9999 DL 3.349 BEC 46.89



44 Ca [2] / ISTD: 45 Sc
 $y = 1.232E-4 x + 1.260E-3$
 R 1.0000 DL 2.827 BEC 10.23

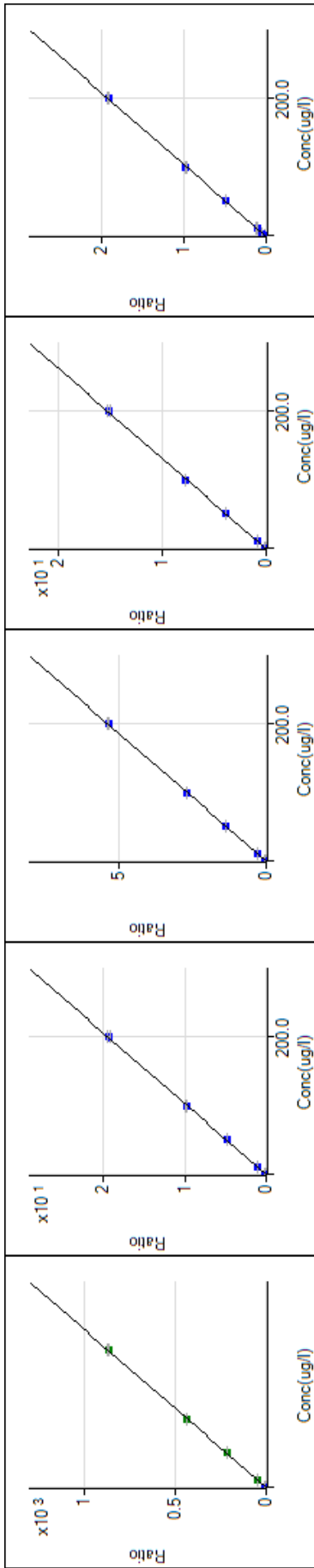
51 V [2] / ISTD: 45 Sc
 $y = 4.223E-2 x + 1.749E-3$
 R 1.0000 DL 0.02302 BEC 0.04142

52 Cr [2] / ISTD: 45 Sc
 $y = 5.640E-2 x + 6.395E-3$
 R 1.0000 DL 0.005323 BEC 0.1134

55 Mn [2] / ISTD: 45 Sc
 $y = 2.424E-2 x + 3.675E-4$
 R 1.0000 DL 0.007758 BEC 0.01516

59 Ni [2] / ISTD: 45 Sc
 $y = 1.110E-3 x + 2.545E-5$
 R 1.0000 DL 0.03838 BEC 0.02292





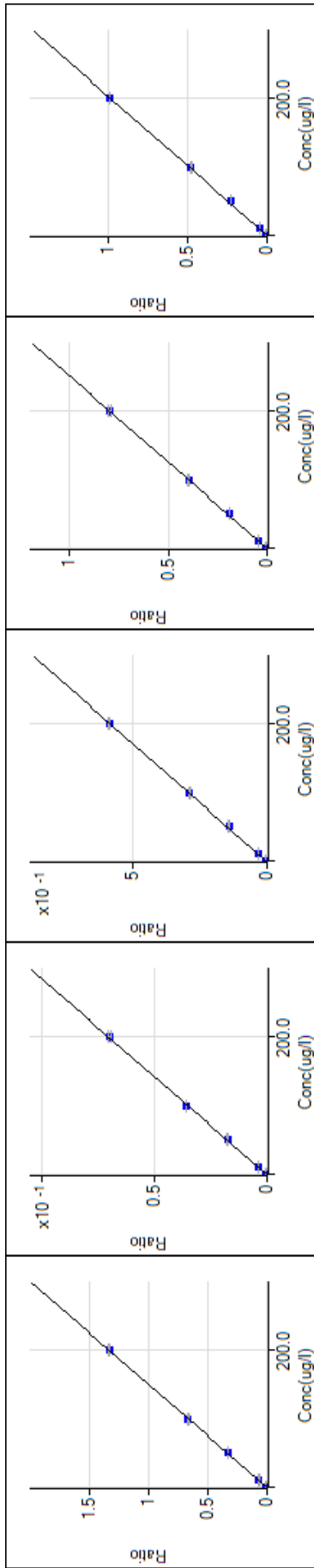
56 Fe [2] / ISTD: 45 Sc
 $y = 4.332E-2 x + 1.800E-2$
 R 1.0000 DL 0.06032 BEC 0.4156

59 Co [2] / ISTD: 45 Sc
 $y = 9.707E-2 x + 3.274E-4$
 R 1.0000 DL 0.001921 BEC 0.003373

60 Ni [2] / ISTD: 45 Sc
 $y = 2.693E-2 x + 5.578E-4$
 R 1.0000 DL 0.01151 BEC 0.02071

63 Cu [2] / ISTD: 45 Sc
 $y = 7.578E-2 x + 6.204E-2$
 R 1.0000 DL 0.3263 BEC 0.8187

66 Zn [2] / ISTD: 45 Sc
 $y = 9.544E-3 x + 1.692E-2$
 R 0.9999 DL 1.306 BEC 1.772



75 As [2] / ISTD: 45 Sc
 $y = 6.641E-3 x + 1.760E-4$
 R 1.0000 DL 0.07358 BEC 0.0265

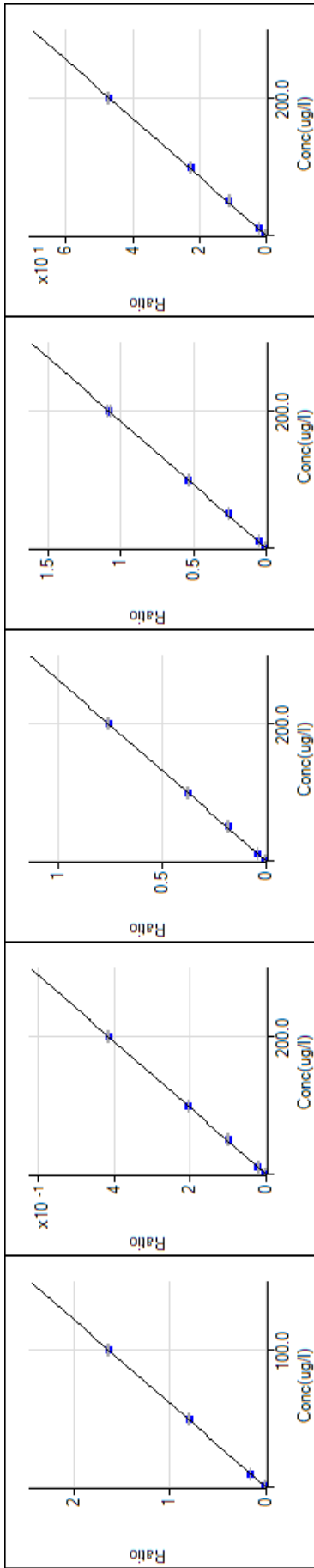
78 Se [2] / ISTD: 45 Sc
 $y = 3.502E-4 x + 1.675E-4$
 R 1.0000 DL 0.06348 BEC 0.4784

82 Se [2] / ISTD: 125 Te
 $y = 2.881E-3 x + 4.119E-3$
 R 0.9998 DL 2.598 BEC 1.43

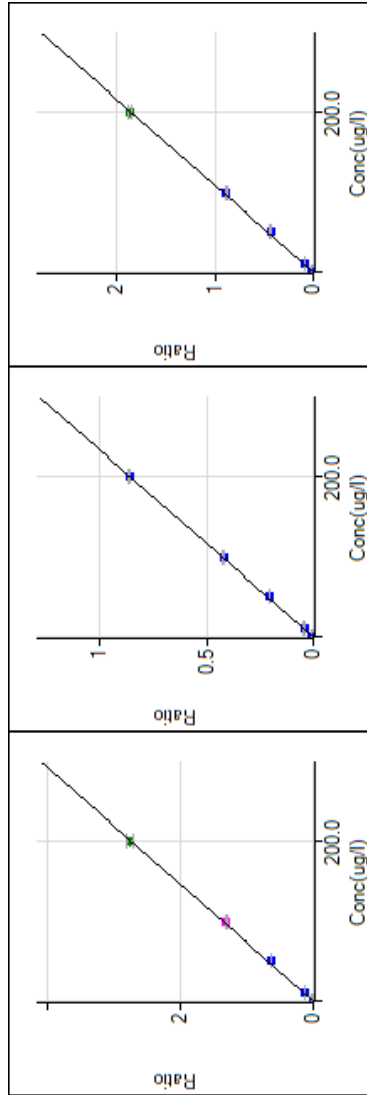
88 Sr [2] / ISTD: 115 In
 $y = 3.983E-3 x + 3.635E-4$
 R 0.9999 DL 0.02625 BEC 0.09125

95 Mo [2] / ISTD: 115 In
 $y = 4.912E-3 x + 2.015E-5$
 R 0.9998 DL 0.002158 BEC 0.004102





Element	Equation	R	DL	BEC
107 Ag [2] / ISTD: 115 In	$y = 1.636E-2 x + 1.875E-5$	0.9999	0.0001353	0.001147
111 Cd [2] / ISTD: 115 In	$y = 2.072E-3 x + 3.511E-7$	0.9999	0.0008807	0.0001695
118 Sn [2] / ISTD: 115 In	$y = 3.782E-3 x + 2.223E-4$	1.0000	0.02214	0.05876
121 Sb [2] / ISTD: 115 In	$y = 5.403E-3 x + 1.619E-4$	0.9999	0.02755	0.02997
137 Ba [2] / ISTD: 125 Te	$y = 2.339E-1 x + 1.050E-3$	0.9997	0.0122	0.004491



Element	Equation	R	DL	BEC
205 Tl [2] / ISTD: 209 Bi	$y = 1.368E-2 x + 2.164E-5$	0.9995	0.001211	0.001581
206 Pb [2] / ISTD: 209 Bi	$y = 4.289E-3 x + 9.534E-5$	0.9999	0.007787	0.02223
208 Pb [2] / ISTD: 209 Bi	$y = 9.221E-3 x + 1.997E-4$	0.9995	0.003868	0.02166



Sample Name: Blank Acquired: 3/1/2018 8:11:28 Type: Cal
 Method: 60102007_042011(v25) Mode: IR Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.005	-0.052	-0.004	0.029	0.002	0.062	-0.023	-0.010	-0.001
Stddev	.0000	.0001	.0002	.0022	.0003	.0003	.0000	.0002	.0001
%RSD	6.594	2.854	44.51	75.34	142.9	5.312	1.871	18.27	108.1
#1	.0005	-0.0053	-0.0006	.0005	-0.0011	.0059	-0.0023	-0.010	-0.0011
#2	.0006	-0.0050	-0.0002	.0034	.0004	.0063	-0.0023	-0.012	.0000
#3	.0006	-0.0052	-0.0004	.0047	.0004	.0065	-0.0023	-0.009	-0.002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.0046	0.0007	-0.0116	-0.0001	0.0005	0.0009	-0.0003	0.0024	0.0002
Stddev	.0002	.0004	.0028	.0003	.0001	.0001	.0022	.0004	.0012
%RSD	4.647	51.80	23.84	260.8	15.33	8.563	798.7	18.55	666.8
#1	.0044	.0003	-.0084	-.0001	.0006	.0010	-.0022	.0021	.0014
#2	.0046	.0009	-.0131	-.0005	.0004	.0009	.0022	.0021	.0002
#3	.0049	.0009	-.0132	-.0002	.0006	.0009	-.0008	.0029	-.0010
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.0006	0.0005	0.0052	0.0000	-0.0058	0.0019	-0.0034	0.0000	0.0027
Stddev	.0004	.0004	.0001	.000	.0006	.0002	.0002	.0001	.0001
%RSD	65.07	82.27	1.530	1456.	10.76	10.79	4.624	123.2	2.845
#1	.0009	.0006	.0053	-.0001	-.0057	.0019	-.0032	.0000	.0026
#2	.0002	.0009	.0052	-.0001	-.0066	.0018	-.0035	.0001	.0027
#3	.0008	.0001	.0051	.0001	-.0053	.0022	-.0035	.0000	.0028
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	1741.0	4678.4	33158.	4019.1					
Stddev	3.3	2.5	41.	36.5					
%RSD	.18798	.05336	.12233	.90739					
#1	1737.5	4676.7	33145.	4018.9					
#2	1743.9	4681.3	33125.	3982.8					
#3	1741.5	4677.3	33203.	4055.7					

Raw Data MA14718 page 1 of 201

Sample Name: LowStd Acquired: 3/1/2018 8:14:53 Type: Cal
 Method: 60102007_042011(v25) Mode: IR Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.0315	1.567	0.0909	4.887	3.709	2.784	2.533	1.418	2.119
Stddev	.0007	.007	.0003	.017	.029	.014	.007	.004	.0005
%RSD	2.227	4.220	.3396	.3523	.7750	.5093	.2768	.2958	.2403
#1	.0322	1.564	.0905	4.872	3.682	2.768	2.528	1.414	2.123
#2	.0316	1.574	.0911	4.906	3.739	2.790	2.531	1.419	2.121
#3	.0308	1.562	.0910	4.883	3.705	2.794	2.541	1.422	2.113
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	0.3357	1.402	1.015	2.432	1.376	0.901	4.169	0.7765	4.919
Stddev	.0014	.006	.008	.0024	.004	.0006	.021	.0018	.0009
%RSD	4.039	4.556	.8104	.9976	.3126	.1224	.4956	.2331	.1891
#1	.3350	1.398	1.006	.2414	1.376	.4896	4.148	.7751	.4910
#2	.3372	1.410	1.021	.2460	1.380	.4899	4.189	.7758	.4929
#3	.3347	1.400	1.018	.2424	1.372	.4907	4.169	.7786	.4918
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.112	0.684	1.857	2.173	5.549	0.7279	1.693	2.223	1.450
Stddev	.0001	.0001	.0004	.0006	.037	.0016	.0006	.0006	.004
%RSD	.0974	.0992	.2171	.2688	.6696	.2233	.3772	.2822	.2396
#1	.1113	.0684	.1854	.2171	5.533	.7277	.1701	.2229	1.446
#2	.1112	.0685	.1856	.2168	5.592	.7296	.1689	.2223	1.451
#3	.1111	.0684	.1862	.2179	5.523	.7264	.1690	.2216	1.453
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	1673.4	4597.0	32230.	3945.8					
Stddev	.4	17.5	27.	21.5					
%RSD	.02451	.37979	.08355	.54541					
#1	1673.8	4614.6	32257.	3970.1					
#2	1673.0	4596.8	32203.	3929.2					
#3	1673.5	4579.7	32229.	3938.1					

Raw Data MA14718 page 2 of 201

Sample Name: MidStd Acquired: 3/1/2018 8:18:01 Type: Cal
 Method: 60102007_042011(v25) Mode: IR Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.212	6.094	3.718	19.45	14.86	10.79	10.06	5.623	8.323
Stddev	.0010	.009	.0004	.03	.04	.02	.01	.005	.0011
%RSD	.8074	.1513	.1135	.1390	.3005	.1802	.0617	.0894	.1309
#1	.1210	6.098	.3716	19.48	14.89	10.80	10.06	5.624	8.314
#2	.1204	6.083	.3715	19.44	14.89	10.76	10.06	5.618	8.319
#3	.1223	6.100	.3722	19.43	14.81	10.80	10.07	5.628	8.335
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.331	5.258	4.057	9.474	5.380	2.044	16.30	3.055	1.997
Stddev	.002	.009	.013	.0023	.005	.002	.04	.003	.003
%RSD	.1798	.1685	.3195	.2429	.0860	.1130	.2296	.0811	.1479
#1	1.330	5.246	4.068	9.461	5.383	2.043	16.33	3.056	1.999
#2	1.334	5.263	4.043	9.461	5.375	2.043	16.26	3.052	1.994
#3	1.330	5.258	4.061	9.501	5.383	2.047	16.32	3.057	1.999
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.492	2.758	6.855	9.087	23.42	3.028	7.067	9.349	5.728
Stddev	.0011	.0004	.0009	.0021	.04	.004	.0011	.0030	.008
%RSD	.2482	.1284	.1320	.2285	.1514	.1256	.1616	.3173	.1423
#1	4.482	2.755	6.851	9.096	23.44	3.026	7.065	9.351	5.735
#2	4.491	2.762	6.849	9.064	23.43	3.025	7.057	9.319	5.719
#3	4.504	2.759	6.865	9.102	23.38	3.032	7.080	9.378	5.730
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	1575.4	4453.1	31201.	3901.4					
Stddev	1.2	6.7	23.	7.1					
%RSD	.07924	.14956	.07515	.18223					
#1	1573.9	4447.5	31185.	3893.2					
#2	1576.0	4460.5	31228.	3904.9					
#3	1576.1	4451.3	31190.	3906.2					

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Sample Name: HighStd Acquired: 3/1/2018 8:21:20 Type: Cal
 Method: 60102007_042011(v25) Mode: IR Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.503	12.27	7.480	38.88	29.47	21.39	19.99	11.16	1.830
Stddev	.0007	.03	.0023	.19	.13	.13	.03	.01	.004
%RSD	.2742	.2162	.3071	.4960	.4321	.6007	.1348	.0751	.2531
#1	2.507	12.28	.7485	38.67	29.39	21.31	20.01	11.17	1.635
#2	2.495	12.24	.7440	38.91	29.40	21.32	19.98	11.16	1.627
#3	2.507	12.28	.7455	39.05	29.61	21.54	19.96	11.16	1.629
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.665	10.24	8.197	1.881	10.42	4.083	32.78	6.109	4.075
Stddev	.007	.02	.061	.014	.06	.004	.07	.009	.022
%RSD	.2669	.2339	.7398	.7509	.5503	.1083	.2284	.1497	.5459
#1	2.668	10.25	8.143	1.881	10.36	4.087	32.71	6.111</	

Sample Name: HSTD Acquired: 3/1/2018 8:25:27 Type: QC
 Method: 60102007_042011(v25) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5011	80.07	4.021	3.967	3.962	78.81	3.998	3.989	3.980
Stddev	.0005	.11	.002	.006	.003	.18	.006	.002	.008
%RSD	.0972	.1321	.0401	.1415	.0681	.2241	.1486	.0450	.2055
#1	5014	80.01	4.021	3.973	3.959	79.00	4.003	3.991	3.972
#2	5014	80.19	4.023	3.963	3.964	78.65	3.991	3.988	3.979
#3	5005	80.01	4.019	3.964	3.963	78.78	4.000	3.989	3.978

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.994	78.91	79.51	79.40	3.949	4.027	79.68	3.991	4.043
Stddev	.009	.15	.27	.16	.021	.003	.16	.006	.012
%RSD	.2161	.1878	.3454	.1980	.5438	.0651	.1990	.1420	.2949
#1	4.004	78.88	79.75	79.49	3.958	4.027	79.86	3.990	4.043
#2	3.989	79.07	79.21	79.49	3.964	4.029	79.56	3.997	4.030
#3	3.989	78.77	79.56	79.21	3.924	4.024	79.61	3.986	4.054

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.022	4.030	4.002	3.979	4.000	3.982	4.038	4.012	3.978
Stddev	.003	.004	.004	.001	.003	.009	.026	.013	.004
%RSD	.0829	.1067	.0964	.0299	.0759	.2270	.6383	.3163	.1102
#1	4.025	4.034	4.005	3.978	4.003	3.991	4.031	4.022	3.976
#2	4.018	4.027	3.998	3.980	4.001	3.973	4.016	3.997	3.983
#3	4.022	4.027	4.005	3.979	3.997	3.981	4.066	4.016	3.976

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: HSTD Acquired: 3/1/2018 8:25:27 Type: QC
 Method: 60102007_042011(v25) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1472.3	4268.8	30499.	3849.3
Stddev	2.9	7.5	121.	18.2
%RSD	.19385	.17649	.39533	.47215
#1	1475.3	4263.7	30638.	3829.4
#2	1471.9	4265.3	30436.	3865.0
#3	1469.6	4277.5	30422.	3853.5

7.2
7

Sample Name: ICV Acquired: 3/1/2018 8:28:54 Type: QC
 Method: 60102007_042011(v25) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.437	40.41	1.968	2.015	2.005	41.47	1.987	2.000	1.969
Stddev	.0003	.03	.004	.005	.001	.10	.001	.002	.009
%RSD	.1393	.0631	.2030	.2583	.0717	.2418	.0621	.0817	.4460
#1	2.433	40.41	1.972	2.013	2.005	41.39	1.989	2.001	1.979
#2	2.440	40.44	1.964	2.011	2.007	41.58	1.987	2.001	1.963
#3	2.438	40.39	1.968	2.021	2.004	41.44	1.987	1.998	1.965

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.980	39.88	40.35	41.12	1.980	1.873	40.01	2.013	1.949
Stddev	.008	.10	.07	.16	.006	.003	.07	.003	.004
%RSD	.3829	.2602	.1744	.3993	.3020	.1346	.1762	.1634	.2126
#1	1.972	39.76	40.26	40.95	1.987	1.875	39.93	2.012	1.948
#2	1.981	39.90	40.38	41.27	1.978	1.874	40.06	2.017	1.953
#3	1.987	39.97	40.39	41.14	1.976	1.871	40.04	2.011	1.945

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.975	1.983	2.413	2.081	1.970	1.989	2.025	1.897	1.994
Stddev	.003	.004	.0012	.004	.004	.002	.004	.005	.002
%RSD	.1711	.1937	.5110	.1684	.2004	.1013	.1774	.2773	.1042
#1	1.976	1.983	2.407	2.085	1.971	1.989	2.023	1.902	1.995
#2	1.978	1.979	2.404	2.078	1.966	1.987	2.029	1.891	1.997
#3	1.972	1.987	2.427	2.080	1.974	1.991	2.023	1.898	1.992

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: ICV Acquired: 3/1/2018 8:28:54 Type: QC
 Method: 60102007_042011(v25) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1560.3	4420.1	31102.	3870.6
Stddev	3.1	4.0	84.	12.9
%RSD	.19940	.08968	.27028	.33423
#1	1562.0	4415.7	31006.	3882.7
#2	1556.7	4420.9	31134.	3856.9
#3	1562.3	4423.5	31165.	3872.3

Sample Name: ICB Acquired: 3/1/2018 8:35:13 Type: QC
 Method: 60102007_042011(v25) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	-0.115	.0013	.0003	.0000	-0.0039	.0001	-0.002	-0.001
Stddev	.0003	.0077	.0006	.0001	.0001	.0012	.0000	.0001	.0002
%RSD	187.9	66.92	50.43	20.00	1171.	29.36	14.26	30.85	178.8
#1	.0000	-.0150	.0013	.0004	.0000	-.0044	.0000	-.0001	-.0004
#2	-.0005	-.0169	.0006	.0003	.0001	-.0047	.0001	-.0002	.0000
#3	.0000	-.0027	.0019	.0003	.0000	-.0026	.0000	-.0002	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0045	.0399	.0280	.0000	.0008	.0152	.0001	.0003
Stddev	.0003	.0042	.0146	.0320	.000	.0002	.0088	.0002	.0003
%RSD	493.2	92.27	36.60	114.1	58.09	21.08	58.00	144.3	83.39
#1	-.0002	-.0002	.0561	.0575	.0000	.0010	.0252	.0004	.0001
#2	.0004	.0075	.0362	-.0060	.0000	.0007	.0114	.0001	.0002
#3	.0000	.0063	.0276	.0325	-.0001	.0007	.0089	-.0001	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.0007	-.0001	.0002	.0002	.0005	.0014	-.0001	-.0005
Stddev	.0002	.0011	.0003	.0005	.0001	.0001	.0005	.0000	.0001
%RSD	24.52	171.8	459.0	221.0	56.11	20.83	32.41	87.72	11.43
#1	.0007	.0000	-.0002	-.0001	.0002	.0005	.0016	.0000	-.0005
#2	.0007	.0020	.0003	.0007	.0003	.0006	.0009	-.0001	-.0006
#3	.0005	.0000	-.0002	.0000	.0001	.0004	.0018	.0000	-.0005

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 3/1/2018 8:35:13 Type: QC
 Method: 60102007_042011(v25) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1728.9	4636.3	32909.	4011.7
Stddev	6.6	11.5	44.	5.6
%RSD	.38389	.24700	.13413	.13908
#1	1735.8	4648.0	32956.	4008.7
#2	1728.3	4635.9	32903.	4018.1
#3	1722.6	4625.1	32868.	4008.2

7.2
7

Sample Name: CRIA Acquired: 3/1/2018 8:42:55 Type: QC
 Method: 60102007_042011(v25) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0084	.1679	.0094	.1924	.0047	.9535	.0050	.0485	.0099
Stddev	.0004	.0118	.0003	.0006	.0001	.0082	.0001	.0002	.0003
%RSD	5.357	7.020	2.778	.2981	1.169	.8626	2.087	4.681	2.853
#1	.0089	.1776	.0093	.1918	.0047	.9462	.0049	.0484	.0101
#2	.0080	.1548	.0097	.1925	.0047	.9520	.0051	.0488	.0099
#3	.0083	.1713	.0092	.1929	.0048	.9624	.0050	.0483	.0095

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0238	.2931	9.350	4.796	.0148	.0452	9.495	.0399	.0044
Stddev	.0000	.0005	.044	.058	.0001	.0003	.032	.0001	.0011
%RSD	.2054	.1635	.4693	1.199	.3887	.6505	.3357	.3612	25.38
#1	.0238	.2935	9.304	4.730	.0148	.0449	9.462	.0400	.0033
#2	.0238	.2925	9.354	4.828	.0149	.0455	9.525	.0399	.0043
#3	.0239	.2932	9.392	4.831	.0148	.0452	9.496	.0397	.0055

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0054	.0104	.0044	.0488	.0094	.0098	.0105	.0456	.0191
Stddev	.0013	.0009	.0004	.0004	.0001	.0001	.0007	.0004	.0001
%RSD	23.51	8.202	8.081	.7554	1.460	.9780	6.661	.8281	.2929
#1	.0060	.0095	.0048	.0486	.0096	.0099	.0110	.0460	.0191
#2	.0063	.0104	.0044	.0486	.0094	.0099	.0109	.0454	.0191
#3	.0040	.0112	.0041	.0492	.0093	.0097	.0097	.0453	.0192

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CRIA Acquired: 3/1/2018 8:42:55 Type: QC
 Method: 60102007_042011(v25) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1704.3	4600.2	32161.	3953.6
Stddev	1.5	8.1	15.	50.2
%RSD	.08948	.17560	.04587	1.2708
#1	1703.9	4603.3	32172.	4005.3
#2	1706.0	4606.3	32144.	3950.4
#3	1703.0	4591.0	32167.	3905.0

Sample Name: ICSA Acquired: 3/1/2018 8:46:35 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	532.5	0.000	0.006	-0.001	478.6	0.000	-0.002	0.000
Stddev	.0005	5.4	.0011	.0003	.0001	6.3	.0000	.0001	.000
%RSD	218.1	1.006	36140.	51.75	96.49	1.324	73.82	32.14	390.4
#1	.0002	538.7	-.0012	.0003	-.0001	481.2	.0001	-.0003	-.0001
#2	-.0009	529.9	.0009	.0009	.0000	483.3	.0000	-.0003	.0001
#3	-.0001	529.0	.0003	.0007	-.0001	471.4	.0000	-.0002	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.002	188.8	.0245	524.8	0.000	0.002	1.283	0.005	-0.008
Stddev	.0004	.5	.0373	2.4	.000	.0002	.0073	.0006	.0022
%RSD	214.9	.2390	152.2	.4608	83.48	71.02	5.722	118.5	279.0
#1	-.0001	188.5	-.0182	523.8	.0000	.0001	.1204	.0000	-.0005
#2	.0000	189.3	.0511	527.5	-.0001	.0002	.1298	.0003	-.0031
#3	.0006	188.7	.0406	523.0	.0000	.0004	.1348	.0011	.0012

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.013	-0.002	0.060	-0.009	-0.003	0.004	0.000	0.002	0.004
Stddev	.0037	.0040	.0007	.0002	.0003	.0001	.0025	.0001	.0002
%RSD	282.4	2199.	11.43	23.34	104.5	25.31	19400.	32.26	42.99
#1	-.0009	.0038	.0060	-.0011	-.0006	.0003	-.0026	.0003	.0005
#2	.0022	-.0002	.0067	-.0007	-.0004	.0005	.0024	.0002	.0002
#3	-.0052	-.0042	.0053	-.0010	.0001	.0003	.0002	.0001	.0004

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 3/1/2018 8:46:35 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1426.6	4014.8	27821.	3651.5
Stddev	1.2	7.4	39.	29.8
%RSD	.08725	.18503	.13983	.81743
#1	1428.0	4018.6	27840.	3661.5
#2	1426.5	4019.5	27776.	3617.9
#3	1425.5	4006.2	27846.	3675.0

7.2
7

Sample Name: ICSAB Acquired: 3/1/2018 8:53:02 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.151	525.3	1.084	5138	5036	464.3	9587	4889	5009
Stddev	.002	3.5	.005	.0019	.0019	8.2	.0041	.0019	.0015
%RSD	.1935	.6689	.4427	.3616	.3775	1.759	4.305	3.810	3.093
#1	1.149	522.2	1.093	.5123	.5016	463.4	9629	4904	4991
#2	1.153	524.4	1.089	.5159	.5054	456.6	9546	4868	5013
#3	1.152	529.1	1.099	.5132	.5038	472.9	9587	4895	5022

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5449	189.3	0.026	511.3	5087	9109	1358	9772	9550
Stddev	.0006	.4	.0534	1.6	.0002	.0039	.0128	.0045	.0069
%RSD	.1169	.2268	163.8	.3058	.0448	.4230	9.440	.4639	.7267
#1	5445	188.9	-.0264	509.7	.5086	9137	.1504	9809	9575
#2	5456	189.7	.0466	512.8	.5086	9065	.1264	9722	9472
#3	5446	189.3	.0775	511.6	.5090	9126	.1305	9785	9605

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.007	9606	0.057	9307	9985	9812	9170	4884	9478
Stddev	.005	.0066	.0017	.0050	.0044	.0021	.0044	.0010	.0046
%RSD	.5233	.6899	3.096	.5398	.4391	.2137	.4802	.2105	.4903
#1	1.006	9656	.0543	9359	9981	9804	9150	4892	9518
#2	1.003	9531	.0552	9259	1.003	9836	9141	4889	9427
#3	1.013	9630	.0576	9303	.9942	9796	9221	4873	9490

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICSAB Acquired: 3/1/2018 8:53:02 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1409.0	3982.3	27805.	3693.1
Stddev	5.8	12.1	45.	10.7
%RSD	.41440	.30424	.16027	.28964
#1	1406.8	3969.9	27774.	3704.2
#2	1415.7	3994.1	27784.	3682.9
#3	1404.6	3982.8	27856.	3692.2

Sample Name: CCV Acquired: 3/1/2018 8:57:00 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2452	40.44	2.035	2.005	2.029	39.83	2.027	2.024	2.051
Stddev	.0014	.14	.001	.003	.007	.06	.005	.004	.003
%RSD	.5861	.3341	.0663	.1716	.3406	.1452	.2709	.1963	.1558
#1	2454	40.30	2.035	2.003	2.024	39.78	2.027	2.025	2.048
#2	2437	40.57	2.034	2.009	2.037	39.89	2.021	2.020	2.052
#3	2465	40.46	2.036	2.002	2.027	39.82	2.032	2.028	2.054

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.022	40.83	39.61	40.22	2.061	2.039	40.02	2.010	1.990
Stddev	.005	.18	.15	.07	.005	.005	.10	.003	.006
%RSD	.2272	.4382	.3849	.1828	.2305	.2534	.2559	.1497	.3085
#1	2.026	40.67	39.78	40.17	2.063	2.037	39.94	2.009	1.990
#2	2.023	41.02	39.48	40.19	2.063	2.036	39.99	2.008	1.983
#3	2.017	40.80	39.58	40.31	2.055	2.045	40.14	2.014	1.995

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.040	2.031	2.015	2.044	2.061	2.026	1.997	2.053	2.034
Stddev	.009	.008	.005	.003	.010	.004	.013	.009	.003
%RSD	.4233	.3724	.2307	.1234	.4972	.1805	.6566	.4259	.1567
#1	2.032	2.032	2.015	2.042	2.057	2.022	2.002	2.043	2.033
#2	2.038	2.023	2.010	2.042	2.072	2.025	1.982	2.057	2.031
#3	2.049	2.037	2.019	2.047	2.053	2.030	2.006	2.059	2.037

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 3/1/2018 8:57:00 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1563.4	4380.5	30953.	3881.7
Stddev	3.2	4.1	34.	24.9
%RSD	.20463	.09312	.10906	.64259
#1	1564.1	4379.8	30918.	3898.2
#2	1566.2	4384.9	30986.	3893.9
#3	1559.9	4376.8	30955.	3853.0

7.2
7

Sample Name: CCB Acquired: 3/1/2018 9:01:11 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-0.0098	.0000	.0004	.0001	-0.0018	.0001	-0.001	.0002
Stddev	.0003	.0064	.001	.0003	.0001	.0021	.0000	.0000	.0003
%RSD	155.9	65.22	7805.	83.50	67.24	120.3	28.44	60.71	101.9
#1	-0.001	-0.125	-0.004	.0007	.0001	-0.0032	.0002	-0.001	.0004
#2	.0004	-0.143	-0.005	.0004	.0001	.0007	.0001	-0.001	.0004
#3	.0003	-0.025	.0009	.0000	.0000	-0.0028	.0001	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0051	.0380	.0059	.0001	.0009	.0120	.0002	.0003
Stddev	.0002	.0017	.0242	.0229	.0000	.0003	.0101	.0001	.0004
%RSD	147.3	33.76	63.82	386.6	35.92	29.35	84.06	53.26	121.5
#1	.0001	.0035	.0657	-0.0034	.0001	.0012	.0004	.0002	.0005
#2	.0004	.0070	.0276	.0320	.0001	.0007	.0174	.0003	.0006
#3	.0000	.0050	.0207	-0.108	.0001	.0008	.0181	.0001	-0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.0019	.0001	.0003	.0002	.0004	.0004	-0.001	-0.006
Stddev	.0011	.0013	.0008	.0003	.0001	.0001	.0007	.0002	.0000
%RSD	176.7	70.00	717.1	118.4	48.18	18.28	189.2	252.3	6.271
#1	.0019	.0016	.0005	.0007	.0001	.0005	-0.003	.0001	-0.007
#2	.0003	.0033	.0007	.0001	.0002	.0003	.0004	-0.001	-0.006
#3	-0.003	.0007	-0.008	.0001	.0003	.0005	.0011	-0.002	-0.006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/1/2018 9:01:11 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1714.6	4579.2	32507.	3966.4
Stddev	6.7	11.6	20.	11.9
%RSD	.39146	.25376	.06216	.30007
#1	1718.5	4586.7	32512.	3953.4
#2	1718.5	4585.2	32485.	3976.8
#3	1706.9	4565.8	32525.	3969.0

Sample Name: MP33398-MB1 Acquired: 3/1/2018 9:05:04 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	0.013	0.124	-0.026	0.026	-0.003	0.577	0.001	-0.010	0.013
Stddev	.0006	.0812	.0021	.0003	.0002	.0071	.0001	.0002	.0011
%RSD	45.50	653.90	80.99	13.16	44.20	12.27	81.04	22.33	83.65

#1	.0014	.1023	-0.0040	.0027	-0.0005	.0499	.0000	-0.012	.0024
#2	.0018	-0.0554	-0.0002	.0022	-0.0003	.0638	.0001	-0.011	.0002
#3	.0006	-0.0097	-0.0037	.0028	-0.0003	.0593	.0002	-0.008	.0014

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.006	1.464	2.263	0.088	0.057	0.014	0.983	0.032	0.121
Stddev	.0020	.0130	.2173	.1036	.0003	.0002	.0054	.0009	.0017
%RSD	347.1	8.904	96.01	1183.	5.228	12.77	5.483	27.45	14.29

#1	-.0015	.1337	-0.2222	.1031	.0060	.0012	.0976	.0023	.0126
#2	.0008	.1458	.3209	.0253	.0057	.0014	.0932	.0040	.0136
#3	.0024	.1597	.3803	-.1021	.0055	.0016	.1039	.0034	.0102

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Avg	0.072	0.157	0.060	0.052	0.000	0.042	-0.085	-0.011	0.595
Stddev	.0014	.0055	.0033	.0003	.0001	.0005	.0053	.0017	.0024
%RSD	18.90	35.41	9.291	.5933	679.5	11.08	61.99	153.6	3.962

#1	.0077	.0220	.0322	.0556	-0.0001	.0043	-0.0099	-0.014	.0575
#2	.0057	.0128	.0380	.0549	.0001	.0037	-0.130	-0.027	.0588
#3	.0083	.0121	.0379	.0552	.0000	.0046	-0.0027	.0007	.0621

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1659.5	4461.1	31683.	3793.2
Stddev	5.2	15.3	68.	32.5
%RSD	.31078	.34300	.21432	.85677

#1	1659.0	4445.6	31643.	3828.1
#2	1654.6	4461.5	31645.	3787.9
#3	1664.9	4476.2	31762.	3763.7

Sample Name: MP33398-B1 Acquired: 3/1/2018 9:09:31 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	0.521	30.71	2.115	2.239	0.559	28.56	0.555	0.552	0.230
Stddev	.0028	.05	.012	.008	.0006	.17	.0003	.0039	.0016
%RSD	5.352	.1660	.5815	.3520	1.135	.6013	.5368	.7112	.7001

#1	.0553	30.66	2.128	2.248	.0555	28.75	.0558	.5548	2315
#2	.0501	30.70	2.114	2.234	.0566	28.41	.0556	.5536	2338
#3	.0508	30.76	2.103	2.234	.0556	28.53	.0552	.5475	2306

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.841	30.21	27.52	28.25	5.896	5.401	28.12	5.741	5.558
Stddev	.0012	.07	.27	.23	.0011	.0055	.10	.0013	.0066
%RSD	4.374	.2359	.9727	.8129	.1880	1.013	.3418	.2339	1.182

#1	2.830	30.29	27.76	28.49	.5900	.5459	28.20	.5755	.5632
#2	2.837	30.21	27.58	28.22	.5883	.5393	28.02	.5742	.5505
#3	2.854	30.14	27.23	28.04	.5904	.5351	28.15	.5728	.5536

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Avg	5.426	2.091	4.238	6.243	5.864	5.842	2.069	5.357	5.908
Stddev	.0060	.017	.0086	.0053	.0012	.0028	.014	.0017	.0031
%RSD	1.112	.8186	2.022	.8451	.2017	.4731	.6850	.3156	.5209

#1	5.491	2.107	4.215	.6296	.5875	.5861	2.085	.5346	.5933
#2	5.416	2.093	4.333	.6242	.5852	.5854	2.066	.5376	.5916
#3	5.372	2.073	4.167	.6191	.5863	.5810	2.057	.5348	.5874

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1654.7	4454.5	31349.	3842.0
Stddev	1.7	7.9	64.	8.7
%RSD	.10381	.17723	.20317	.22670

#1	1653.6	4454.6	31388.	3843.2
#2	1653.7	4446.5	31276.	3832.8
#3	1656.7	4462.3	31384.	3850.1

Sample Name: FA51672-5 Acquired: 3/1/2018 9:13:50 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.015	153.3	0.025	1.310	0.030	30.08	-0.004	0.199	2.186
Stddev	.0074	.7	.0124	.006	.0006	.15	.0007	.0009	.0025
%RSD	499.2	.4304	52.82	.4535	21.30	.4966	157.6	4.547	1.121

#1	-0.0085	153.8	.0092	1.317	.0023	30.17	-0.0012	.0210	.2213
#2	.0062	152.5	.0305	1.307	.0031	30.17	-0.0002	.0193	.2166
#3	-0.0021	153.4	.0308	1.305	.0035	29.91	.0001	.0195	.2178

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.649	167.4	15.01	12.55	2.505	0.047	2.220	1.215	26.10
Stddev	.012	.5	.15	.19	.010	.0011	.037	.0029	.23
%RSD	.4554	.3124	.9985	1.532	.4016	24.29	1.664	2.398	.8766

#1	2.662	167.6	14.99	12.76	2.509	.0034	2.239	1.224	26.35
#2	2.638	166.8	14.88	12.39	2.512	.0056	2.178	1.182	26.03
#3	2.646	167.8	15.18	12.49	2.493	.0051	2.243	1.238	25.91

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Avg	1.107	0.155	9.418	0.709	4.912	4.706	-0.082	4.167	6.885
Stddev	.0128	.0059	.349	.0021	.0023	.028	.0121	.0028	.0081
%RSD	11.56	38.09	3.710	2.922	.4712	.5986	147.5	.6648	1.179

#1	1.181	.0110	9.634	.0685	4.938	4.727	.0046	4.192	6.792
#2	0.959	.0134	9.604	.0722	4.907	4.717	-.0195	4.170	6.938
#3	1.181	.0222	9.015	.0719	4.892	4.674	-.0097	4.137	6.926

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1693.0	4572.8	32240.	3918.9
Stddev	4.0	3.9	131.	4.7
%RSD	.23512	.08488	.40503	.12030

#1	1689.3	4571.7	32223.	3916.9
#2	1697.2	4569.7	32119.	3924.3
#3	1692.6	4577.2	32378.	3915.5

Sample Name: MP33398-D1 Acquired: 3/1/2018 9:18:10 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.014	136.7	0.184	1.244	0.025	28.08	0.000	0.196	2.075
Stddev	.0066	.5	.0079	.007	.0005	.05	.000	.0008	.0040
%RSD	488.7	.3312	42.77	.5740	18.97	.1921	149.1	4.027	1.942

#1

Sample Name: MP33398-D2 Acquired: 3/1/2018 9:22:31 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0015	145.1	0278	1265	0023	28.64	-0007	0187	2152
Stddev	0.013	.8	.0057	.009	.0003	.12	.0003	.0006	.0024
%RSD	91.19	.5494	20.56	.6879	13.83	.4200	38.68	3.175	1.117

#1	-0018	146.0	0214	1275	0025	28.77	-0006	0194	2152
#2	.0000	144.5	0294	1261	0024	28.54	-0010	0184	2176
#3	-0026	144.7	0325	1259	0019	28.59	-0005	0183	2128

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2569	161.8	14.30	12.07	2.421	0047	2.136	1175	25.58
Stddev	.016	.8	.17	.21	.002	.0011	.040	.0009	.17
%RSD	.6044	.5177	1.163	1.700	.0962	24.27	1.860	.8047	.6663

#1	2.580	162.7	14.12	12.27	2.423	.0058	2.095	.1182	25.76
#2	2.551	161.1	14.33	11.86	2.422	.0047	2.175	.1179	25.56
#3	2.575	161.6	14.45	12.07	2.419	.0036	2.139	.1164	25.42

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1142	0130	8.884	0708	4751	4.589	0050	4053	6580
Stddev	.0101	.0021	.071	.0028	.0014	.019	.0116	.0048	.0020
%RSD	8.870	15.87	.7950	3.930	.3006	.4049	231.3	1.173	.3022

#1	.1078	.0106	8.954	.0702	4.768	4.589	.0036	4.077	6559
#2	.1259	.0143	8.885	.0738	4.743	4.570	-.0058	.3998	6582
#3	.1089	.0141	8.813	.0684	4.743	4.607	.0173	4.084	6598

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1693.0	4559.4	32242	3900.1
Stddev	3.1	10.1	78.	3.5
%RSD	.18179	.22179	.24331	.08968

#1	1691.1	4569.6	32318.	3898.7
#2	1691.3	4549.4	32248.	3904.1
#3	1696.5	4559.1	32161.	3897.5

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Sample Name: MP33398-SD1 Acquired: 3/1/2018 9:26:50 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 50.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0097	139.6	0622	1196	-0018	26.98	0027	0134	1819
Stddev	.0229	.1	.0386	.006	.0029	.08	.0016	.0044	.0035
%RSD	235.5	.1037	62.11	.4954	156.2	.2902	58.63	32.80	1.911

#1	.0012	139.7	0180	1190	-0049	27.00	.0021	0185	1779
#2	-0077	139.5	0788	1202	-0013	26.89	.0044	0112	1841
#3	.0356	139.7	0897	1195	.0007	27.05	.0015	0105	1837

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2436	152.2	15.29	11.49	2.328	-0259	2.411	1229	24.63
Stddev	.031	.5	.40	.89	.005	.0080	.145	.0100	.06
%RSD	1.267	.3428	2.629	7.719	.2157	30.78	5.998	8.150	2.262

#1	2.441	151.6	14.83	10.77	2.326	-0182	2.453	.1126	24.63
#2	2.464	152.5	15.47	11.22	2.333	-0253	2.531	.1327	24.69
#3	2.403	152.4	15.58	12.48	2.323	-0341	2.250	.1234	24.58

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0812	0134	9.370	0626	4470	4.285	0277	3491	9680
Stddev	.0064	.0261	.102	.0160	.0062	.027	.0775	.0154	.0077
%RSD	7.925	195.7	1.093	25.58	1.379	.6383	279.4	4.398	.7926

#1	.0737	.0404	9.286	.0518	.4437	4.260	-0417	.3313	9624
#2	.0848	.0114	9.484	.0550	.4541	4.280	.0136	.3574	9649
#3	.0850	-0117	9.340	.0810	.4431	4.314	.1113	.3584	9768

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1752.1	4681.7	32990.	4009.6
Stddev	6.0	15.6	50.	10.9
%RSD	.34124	.33372	.15265	.27205

#1	1754.0	4690.5	32937.	4012.2
#2	1756.8	4691.0	32995.	4018.9
#3	1745.3	4663.7	33037.	3997.6

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Sample Name: MP33398-PS1 Acquired: 3/1/2018 9:31:13 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0527	155.8	1294	1596	0585	35.57	0534	0727	2798
Stddev	.0092	.6	.0041	.001	.0004	.11	.0004	.0010	.0071
%RSD	17.51	.3977	3.191	.0783	.7220	.3160	.7865	1.443	2.525

#1	.0429	156.4	1254	1597	.0580	35.66	.0535	.0733	2785
#2	.0612	155.2	1336	1596	.0586	35.60	.0530	.0715	2875
#3	.0540	155.7	1292	1595	.0588	35.44	.0538	.0733	2735

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2749	170.1	25.72	18.16	2.581	1053	13.33	2276	25.90
Stddev	.008	.2	.24	.10	.014	.0022	.10	.0030	.45
%RSD	.2996	.1437	.9467	.5356	.5242	2.124	.7790	1.339	1.723

#1	2.756	169.9	25.76	18.05	2.596	1077	13.30	2300	26.41
#2	2.751	170.4	25.46	18.20	2.576	1033	13.25	2286	25.70
#3	2.740	170.1	25.95	18.22	2.570	1048	13.45	2241	25.59

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	2071	0892	9.622	1238	5483	4.769	1014	4687	9259
Stddev	.0117	.0044	.222	.0040	.0014	.029	.0112	.0022	.0111
%RSD	5.644	4.881	2.310	3.212	.2510	.6120	11.00	.4755	1.194

#1	2188	0892	9.867	1253	5498	4.782	1125	4713	9386
#2	2069	0936	9.563	1268	5471	4.789	0902	4678	9202
#3	1954	0849	9.434	1193	5479	4.735	.1015	4671	9188

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1705.6	4588.8	32181.	3951.2
Stddev	7.1	9.5	48.	38.0
%RSD	.41382	.20595	.15041	.96179

#1	1698.8	4583.8	32182.	3984.9
#2	1712.9	4599.7	32229.	3958.6
#3	1705.3	4582.9	32132.	3910.0

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Sample Name: MP33398-S1 Acquired: 3/1/2018 9:35:32 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0448	220.4	1.964	3.425	0549	57.93	0516	5465	4508
Stddev	.0007	.8	.009	.005	.0008	.21	.0007	.0025	.0053
%RSD	15.01	.3518	.4594	.1557	1.521	.3587	1.323	.4660	1.182

#1	.0491	220.8	1.972	3.423	.0540	57.85	.0514	5481	4525
#2	.0370	221.0	1.966	3.431	.0551	58.17	.0510	5478	4551
#3	.0482	219.5	1.954	3.421	.0556	57.78	.0523	5436	4449

Sample Name: MP33398-S2 Acquired: 3/1/2018 9:39:51 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0460	202.6	1.953	3.350	0.537	55.85	0.523	5466	4331
Stddev	.0029	.0029	.0029	.0029	.0029	.0029	.0029	.0029	.0029
%RSD	6.321	.3114	.7042	.6353	.2700	.1778	1.632	.2945	.7873

#1	.0426	203.3	1.955	3.326	.0539	55.96	0.513	5468	4315
#2	.0479	202.2	1.939	3.364	.0536	55.81	0.530	5449	4370
#3	.0473	202.2	1.967	3.360	.0538	55.78	0.526	5481	4307

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.738	184.8	40.33	38.09	2.935	4807	28.60	6842	25.71
Stddev	.005	1.0	.29	.29	.002	.0013	.14	.0028	.03
%RSD	.2014	.5371	.7117	.7485	.0515	.2628	.4761	.4048	.1359

#1	2.743	185.0	40.02	38.42	2.936	4794	28.68	6820	25.71
#2	2.738	185.6	40.57	37.90	2.934	4809	28.68	6834	25.68
#3	2.732	183.6	40.41	37.95	2.933	4819	28.45	6873	25.75

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	3432	1.935	10.24	6.009	1.008	4.946	1.977	8766	1.190
Stddev	.0095	.008	.06	.0015	.001	.051	.007	.0099	.005
%RSD	2.773	.4095	.5434	.2443	.1046	1.031	.3408	1.128	.4084

#1	3392	1.944	10.30	6.003	1.007	4.966	1.971	8880	1.184
#2	3363	1.929	10.19	6.026	1.007	4.984	1.985	8701	1.191
#3	3540	1.932	10.24	5.999	1.009	4.888	1.976	8718	1.194

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1692.4	4618.5	32279.	3942.1
Stddev	3.0	2.8	73.	35.0
%RSD	.17451	.05982	22624	88854

#1	1695.7	4621.6	32251.	3903.3
#2	1691.3	4616.4	32224.	3971.5
#3	1690.1	4617.5	32362.	3951.5

Sample Name: FA51672-1 Acquired: 3/1/2018 9:44:10 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.038	148.3	0.380	1.375	0.018	35.66	0.000	0.181	2.251
Stddev	.0082	.0082	.0082	.0082	.0082	.0082	.0082	.0082	.0082
%RSD	214.2	.3703	.2212	.5039	58.09	.0470	866.1	2.616	.8912

#1	-.0056	148.9	0.377	1.375	0.010	35.66	0.000	0.181	2.229
#2	-.0088	147.8	0.297	1.369	0.014	35.64	0.004	0.185	2.268
#3	-.0082	148.3	0.465	1.383	0.029	35.67	-.0003	0.176	2.255

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	4.183	162.4	15.63	14.03	1.416	0.102	2.506	1.164	39.57
Stddev	.014	.4	.43	.18	.006	.0008	.064	.0019	.12
%RSD	.3216	.2189	2.761	1.290	.4433	7.515	2.539	1.618	.3061

#1	4.181	162.7	16.06	14.14	1.410	.0098	2.547	1.156	39.68
#2	4.197	162.0	15.64	14.13	1.423	.0098	2.538	1.150	39.44
#3	4.171	162.4	15.20	13.82	1.416	.0111	2.432	1.185	39.58

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	2.396	-0.171	9.550	0.909	5.738	4.450	0.019	4.217	8.615
Stddev	.0045	.0178	.225	.0025	.0007	.004	.0107	.0084	.0034
%RSD	1.890	103.7	2.352	2.735	.1153	.0824	574.3	1.984	.3964

#1	2354	0.008	9.809	0.934	5.738	4.453	0.079	4.262	8.634
#2	2444	-.0347	9.412	0.884	5.731	4.452	-.0105	4.269	8.575
#3	2392	-.0174	9.428	0.910	5.744	4.446	.0082	4.121	8.635

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1700.7	4580.8	32088.	3903.9
Stddev	2.4	4.9	132.	23.1
%RSD	.13824	.10736	4.1009	59128

#1	1699.7	4575.1	32204.	3887.1
#2	1703.4	4583.2	31945.	3894.4
#3	1699.0	4584.0	32115.	3930.2

7.2
7

Sample Name: CCV Acquired: 3/1/2018 9:48:29 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2421	38.58	1.991	1.962	1.926	39.42	2.009	1.998	1.986
Stddev	.0007	.22	.011	.005	.011	.14	.005	.004	.007
%RSD	.2830	.5799	.5481	.2513	.5630	.3646	.2630	.1929	.3758

#1	2424	38.50	1.992	1.957	1.915	39.30	2.012	2.001	1.988
#2	2426	38.84	1.979	1.966	1.937	39.58	2.003	1.994	1.992
#3	2413	38.41	2.001	1.965	1.926	39.40	2.013	2.000	1.977

Check ? **Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass**
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.955	39.19	39.29	38.71	2.034	1.987	39.92	1.977	1.967
Stddev	.006	.22	.08	.21	.004	.004	.04	.002	.004
%RSD	.2846	.5634	.1993	.5303	.2102	.1866	.0947	.1095	.1969

#1	1.950	39.07	39.21	38.53	2.037	1.999	39.92	1.979	1.971
#2	1.961	39.45	39.36	38.93	2.036	1.993	39.96	1.974	1.968
#3	1.953	39.06	39.30	38.67	2.029	2.000	39.88	1.977	1.963

Check ? **Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass**
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.000	1.986	1.976	2.023	1.968	1.982	1.994	1.956	2.001
Stddev	.002	.006	.004	.005	.010	.005	.004	.002	.004
%RSD	.1063	.2926	.1765	.2648	.4988	.2527	.1912	.1191	.1959

#1	1.999	1.981	1.979	2.029	1.959	1.981	1.996	1.959	2.003
#2	1.998	1.985	1.977	2.019	1.979	1.977	1.996	1.956	1.996
#3	2.002	1.992	1.972	2.021	1.968	1.987	1.989	1.954	2.004

Check ? **Chk Pass Chk Pass** None **Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass**
 Value Range

Sample Name: CCV Acquired: 3/1/2018 9:48:29 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1583.3	4473.5	31281.	3924.1
Stddev	2.5	12.3	92.	4.4
%RSD	.16091	.27512	29380	.11228

#1	1581.4	4481.4	31329.	3929.0
#2	1582.3	4479.8	31339.	3920.4
#3	1586.2	4459.3	31175.	3923.0

Sample Name: CCB Acquired: 3/1/2018 9:52:41 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.126	0.004	0.004	0.001	-0.074	0.001	0.000	0.000
Stddev	.0003	.0053	.0006	.0001	.0000	.0025	.0000	.0001	.0004
%RSD	354.9	41.76	150.0	21.03	53.72	33.57	54.36	231.9	222.3
#1	-0.003	-0.183	0.004	0.004	0.001	-0.047	0.001	-0.001	-0.002
#2	-0.002	-0.078	-0.002	0.004	0.001	-0.081	0.001	0.001	0.001
#3	0.003	-0.118	0.010	0.003	0.000	-0.095	0.000	0.001	0.006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.000	0.056	0.0370	-0.137	0.001	0.008	0.067	0.002	-0.002
Stddev	.0001	.0023	.0178	.0078	.0001	.0003	.0048	.0002	.0009
%RSD	376.7	40.28	48.10	57.24	120.2	33.89	71.17	116.7	391.2
#1	0.001	0.050	0.032	-0.081	0.001	0.011	0.122	0.003	-0.012
#2	0.001	0.082	0.028	-0.103	0.000	0.006	0.040	-0.001	0.000
#3	-0.001	0.037	0.059	-0.226	0.000	0.007	0.039	0.003	0.005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.003	0.008	-0.002	0.000	0.003	0.004	0.004	0.000	-0.007
Stddev	.0008	.0009	.0005	.000	.0001	.0001	.0017	.0005	.0001
%RSD	224.5	108.2	190.1	503.7	29.71	22.96	463.9	2733.	7.500
#1	0.012	0.005	-0.001	0.000	0.003	0.005	-0.001	0.001	-0.006
#2	0.000	0.001	0.001	0.000	0.002	0.003	-0.010	0.004	-0.007
#3	-0.001	0.018	-0.008	-0.001	0.003	0.004	0.023	-0.005	-0.007

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/1/2018 9:52:41 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1743.3	4666.3	32737.	39715.
Stddev	2.9	10.3	90.	15.0
%RSD	.16437	.22042	.27497	.37843
#1	1746.2	4675.7	32644.	3987.9
#2	1740.4	4668.0	32824.	3958.3
#3	1743.1	4655.3	32744.	3968.4

7.2
7

Sample Name: FA51672-2 Acquired: 3/1/2018 9:57:09 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.074	194.5	0.274	4.754	0.018	6.434	-0.014	0.206	2.398
Stddev	.0060	.8	.0090	.0009	.0005	.022	.0004	.0010	.0031
%RSD	81.28	4.298	32.64	1.954	27.28	3.386	29.14	4.901	1.286
#1	-0.017	194.3	0.360	4.762	0.012	6.410	-0.009	0.218	2.364
#2	-0.067	195.4	0.282	4.756	0.021	6.452	-0.016	0.201	2.422
#3	-0.136	193.8	0.181	4.744	0.019	6.439	-0.016	0.199	2.409

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.508	178.8	13.34	10.07	3.790	0.101	2.420	1.309	2.102
Stddev	.0016	.2	.26	.24	.0014	.0023	.080	.0003	.0080
%RSD	3.227	1.161	1.954	2.386	3.672	23.18	3.311	25.14	3.793
#1	0.514	179.0	13.07	9.799	3.801	0.093	2.350	1.310	2.185
#2	0.521	178.8	13.59	10.26	3.794	0.127	2.401	1.311	2.026
#3	0.490	178.5	13.37	10.15	3.774	0.082	2.507	1.305	2.094

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.184	0.036	9.803	0.510	1.301	4.807	-0.109	4.649	1.496
Stddev	0.022	0.133	1.05	0.010	0.015	0.17	0.041	0.012	0.018
%RSD	11.74	372.2	1.072	1.952	1.179	3.608	37.48	2.674	1.202
#1	0.206	0.056	9.919	0.498	1.288	4.805	-0.149	4.637	1.495
#2	0.163	-0.106	9.775	0.514	1.299	4.826	-0.068	4.662	1.478
#3	0.185	0.158	9.715	0.517	1.318	4.791	-0.110	4.649	1.514

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1712.4	4617.4	32148.	3909.9
Stddev	9.5	13.0	62.	25.2
%RSD	55659	28085	19391	64364
#1	1701.5	4602.5	32216.	3906.4
#2	1717.2	4623.7	32094.	3936.6
#3	1718.6	4626.1	32135.	3886.6

Sample Name: FA51672-3 Acquired: 3/1/2018 10:01:31 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.032	145.2	0.316	1.260	0.027	36.25	0.004	0.199	2.141
Stddev	.0028	.2	.0122	.008	.0006	.27	.0003	.0003	.0011
%RSD	90.22	1.680	38.68	6.054	21.48	7.432	65.57	1.515	5.227
#1	-0.058	145.2	0.432	1.253	0.026	36.03	0.006	0.198	2.154
#2	-0.035	145.1	0.188	1.269	0.034	36.16	0.001	0.196	2.136
#3	-0.001	145.5	0.327	1.259	0.023	36.55	0.006	0.202	2.134

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(In2306)
Avg	2.616	163.5	13.86	12.28	2.458	0.064	2.365	1.248	2.134
Stddev	.007	.6	.14	.18	.015	.0010	.030	.0020	.01
%RSD	2.836	3.823	0.9747	1.468	0.5901	15.85	1.285	1.635	0.685
#1	2.608	162.7	13.84	12.19	2.442	0.059	2.342	1.251	2.136
#2	2.622	163.9	14.01	12.16	2.461	0.076	2.400	1.266	2.133
#3	2.618	163.8	13.74	12.49	2.471	0.058	2.354	1.226	2.134

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.935	0.096	9.343	0.639	5.798	4.518	0.021	4.249	7.275
Stddev	0.115	0.082	1.49	0.038	0.026	0.06	0.028	0.008	0.030
%RSD	12.32	85.87	1.600	5.905	0.4542	1.324	133.8	0.1784	4.159
#1	1.068	0.011	9.489	0.602	5.771	4.518	-0.008	4.240	7.243
#2	0.882	0.175	9.350	0.638	5.799	4.524	0.023	4.252	7.281
#3	0.856	0.102	9.190	0.678	5.824	4.512	0.048	4.255	7.303

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1700.1	4553.9	31941.	3927.1
Stddev	2.3	16.5	115.	30.7
%RSD	13583	36210	36093	78284
#1	1699.5	4569.1	32030.	3961.7
#2	1702.6	4556.4	31811.	3916.5
#3	1698.1	4536.4	31981.	3903.0

Sample Name: FA51672-4 Acquired: 3/1/2018 10:05:51 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0013	186.2	0259	3569	0009	8.246	-0016	0176	2113
Stddev	0039	7	0082	0014	0009	041	0005	0018	0022
%RSD	309.2	3692	31.67	4028	97.02	4.956	29.93	10.33	1.056

#1	-0054	186.2	0173	3582	0009	8.199	-0010	0197	2091
#2	0024	186.9	0269	3572	0018	8.271	-0019	0165	2112
#3	-0009	185.5	0336	3553	0000	8.268	-0018	0167	2135

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0322	157.4	11.49	10.37	3558	0037	2.524	1200	1033
Stddev	0032	6	34	13	0019	0005	094	0016	0068
%RSD	10.02	3802	2.992	1.224	5244	14.86	3.707	1.327	6.630

#1	0352	156.9	11.51	10.22	3567	0031	2.601	1208	1111
#2	0328	158.0	11.83	10.43	3571	0037	2.550	1181	0987
#3	0288	157.1	11.14	10.46	3536	0042	2.420	1209	1000

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0044	-0072	10.60	0518	1397	4.964	0111	4079	1447
Stddev	0034	0045	27	0038	0014	022	0016	0064	0076
%RSD	77.13	62.52	2.566	7.299	9929	4.494	13.99	1.573	5.275

#1	0082	-0030	10.90	0540	1386	4.938	0125	4036	1380
#2	0017	-0066	10.53	0539	1393	4.975	0094	4047	1430
#3	0032	-0120	10.37	0474	1413	4.978	0114	4153	1530

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1740.2	4664.9	3286.2	4010.2
Stddev	8.5	14.5	99	4.7
%RSD	48559	31164	30235	11821

#1	1739.8	4666.1	32931.	4007.9
#2	1748.8	4678.8	32748.	4007.0
#3	1731.9	4649.8	32907.	4015.6

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Sample Name: FA51672-6 Acquired: 3/1/2018 10:10:13 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0029	165.8	0220	5379	0028	9.514	-0013	0187	2126
Stddev	0059	5	0055	0006	0001	069	0008	0019	0030
%RSD	206.0	3274	24.92	1063	4.573	7.273	59.68	10.23	1.428

#1	-0080	166.2	0157	5385	0029	9.553	-0005	0166	2138
#2	0036	165.9	0255	5375	0027	9.554	-0014	0194	2148
#3	-0042	165.2	0247	5375	0030	9.434	-0020	0202	2091

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0375	149.1	12.06	10.56	4713	0040	2.151	1129	0836
Stddev	0039	7	34	16	0022	0011	049	0003	0058
%RSD	10.35	4643	1.316	7.823	4624	26.66	2.266	2.413	6.942

#1	0335	149.7	11.89	10.60	4688	0046	2.122	1130	0853
#2	0412	149.2	12.19	10.46	4727	0028	2.207	1126	0884
#3	0376	148.4	12.12	10.61	4723	0047	2.124	1131	0771

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0111	0162	11.63	0532	1525	5.091	-0106	3886	2453
Stddev	0116	0029	10	0031	0007	007	0031	0020	0046
%RSD	104.6	17.81	8.263	5.852	4394	14.69	29.19	5.192	1.872

#1	0113	0138	11.73	0498	1520	5.099	-0075	3884	2407
#2	0226	0193	11.53	0539	1533	5.084	-0137	3867	2454
#3	-0006	0154	11.64	0558	1523	5.091	-0105	3908	2498

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1731.9	4657.2	3266.6	3991.7
Stddev	5.9	15.3	187	33.1
%RSD	34080	32779	57133	82840

#1	1725.1	4648.1	32881.	3964.5
#2	1735.7	4674.8	32563.	3982.0
#3	1734.9	4648.6	32554.	4028.5

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7.2

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Sample Name: FA51672-7 Acquired: 3/1/2018 10:14:34 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0018	165.0	0308	1960	0036	62.03	0010	0271	2330
Stddev	0063	1.0	0141	011	0003	44	0004	0007	0054
%RSD	343.1	5919	45.91	5645	8.523	7059	37.09	2.441	2.306

#1	0009	164.8	0145	1969	0036	62.12	0012	0265	2275
#2	-0090	166.1	0403	1964	0033	62.42	0014	0278	2382
#3	0026	164.1	0376	1948	0039	61.56	0006	0269	2334

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2434	171.1	16.69	17.66	3.854	0049	2.463	1443	1771
Stddev	008	1.3	19	29	014	0008	071	0039	05
%RSD	3.166	7.866	1.132	1.629	3524	16.26	2.894	2.715	2.805

#1	2.443	171.2	16.50	17.45	3.848	0044	2.531	1462	17.76
#2	2.428	172.3	16.69	17.99	3.870	0045	2.389	1469	17.66
#3	2.431	169.6	16.88	17.55	3.845	0058	2.468	1398	17.71

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0677	0026	9.560	0608	9311	5.232	0008	4224	8158
Stddev	0029	0146	097	0023	0061	017	0219	0029	0027
%RSD	4.349	556.0	1.012	3.849	6548	3.240	2675.	6.902	3.328

#1	0645	-0024	9.655	0633	9342	5.238	-0052	4254	8137
#2	0682	-0088	9.564	0604	9350	5.244	-0174	4196	8188
#3	0703	0191	9.462	0587	9240	5.212	0251	4223	8148

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1702.6	4594.8	3208.9	3910.2
Stddev	3.4	6.9	133	37.7
%RSD	19892	14911	41300	96479

#1	1698.7	4591.1	32207.	3910.2
#2	1704.2	4590.7	31946.	3872.4
#3	1704.8	4602.7	32116.	3947.8

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Sample Name: FA51672-8 Acquired: 3/1/2018 10:18:54 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0043	175.3	0288	2373	0028	74.00	0010	0290	2510
Stddev	0044	1.1	0093	009	0007	17	0004	0009	0022
%RSD	104.0	6.114	32.30	3.892	23.94	23.52	40.68	3.123	8.936

#1	0000	176.6	0228	2381	0027	74.13	0014	0288	2485
#2	-0040	174.7	0396	2363	0022	73.80	0011	0283	2515
#3	-0088	174.7	0242	2376	0036	74.07	0006	0300	2529

Elem	Cu3247	Fe2599	K_76
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Sample Name: FA51672-9 Acquired: 3/1/2018 10:23:15 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0060	169.8	0156	5506	0031	6.838	-0013	0180	2131
Stddev	.0040	1.3	.0071	.0069	.0003	.052	.0006	.0009	.0022
%RSD	66.00	.7557	45.70	1.256	10.72	.7561	42.38	5.120	1.024

#1	-0096	171.3	.0237	.5504	.0031	6.834	-0020	0187	2130
#2	-0067	169.2	.0100	.5576	.0034	6.891	-0011	0169	2152
#3	-0018	169.0	.0132	.5438	.0027	6.788	-0009	0182	2109

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0442	151.6	11.74	9.984	5084	0035	1.910	1077	1838
Stddev	.0011	.9	.52	.031	.0019	.0019	.017	.0018	.0074
%RSD	2.429	.5664	4.394	.3076	.3671	53.98	.8967	1.628	4.027

#1	.0430	152.2	11.52	9.949	.5101	.0057	1.918	.1058	1866
#2	.0451	152.1	12.33	10.01	.5064	.0022	1.890	.1079	1754
#3	.0445	150.6	11.37	9.997	.5088	.0027	1.921	.1093	1894

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0010	-0010	10.73	0513	1101	4.787	-0015	3966	1505
Stddev	.0095	.0108	.24	.0019	.0012	.022	.0044	.0071	.0034
%RSD	999.0	1033.	2.253	3.741	1.054	.4598	38.10	1.782	2.256

#1	-0032	.0101	11.00	.0513	.1101	4.796	-0067	4047	1469
#2	.0118	-0017	10.56	.0532	.1113	4.762	-0154	3929	1510
#3	-0058	-0114	10.62	.0494	.1090	4.803	-0125	3922	1536

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1735.2	4672.7	32961.	3987.9
Stddev	1.3	13.8	202.	17.1
%RSD	.07399	.29444	.61357	.42754

#1	1736.6	4677.1	32795.	4003.9
#2	1734.1	4683.7	33186.	3970.0
#3	1734.9	4657.2	32901.	3989.7

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Sample Name: FA51672-10 Acquired: 3/1/2018 10:27:37 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0013	183.5	0255	2069	0039	65.21	0020	0292	2655
Stddev	.0028	1.1	.0141	.011	.0009	.39	.0008	.0013	.0028
%RSD	218.9	.6135	55.09	.5191	22.67	.5949	42.66	4.565	1.042

#1	.0038	183.9	.0248	2059	.0034	65.22	.0029	.0307	2677
#2	.0017	184.3	.0118	2080	.0049	65.59	.0017	.0282	2665
#3	-0017	182.2	.0399	2067	.0034	64.82	.0013	.0287	2624

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.897	189.9	20.33	20.08	3.627	0080	2.499	1517	25.89
Stddev	.019	.9	.33	.18	.014	.0017	.131	.0020	.12
%RSD	.6662	.4851	1.641	.9035	.3962	21.27	5.256	1.350	.4758

#1	2.880	189.8	19.95	20.24	3.614	.0092	2.553	.1524	26.02
#2	2.918	190.8	20.56	20.12	3.642	.0061	2.594	.1533	25.84
#3	2.893	189.0	20.47	19.88	3.624	.0087	2.349	.1494	25.79

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	1375	0029	9.562	0691	9555	5.084	-0070	4608	1.038
Stddev	.0042	.0105	.200	.0010	.0071	.033	.0093	.0084	.003
%RSD	3.043	359.2	2.089	1.412	.7433	.6404	132.4	1.819	.3211

#1	.1422	-0005	9.792	.0701	.9520	5.055	-0157	4516	1.042
#2	.1358	.0147	9.458	.0691	.9637	5.119	-0082	4680	1.035
#3	.1344	-0054	9.435	.0681	.9508	5.077	.0028	4627	1.038

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1720.4	4624.5	32517.	3968.0
Stddev	4.2	10.7	224.	26.2
%RSD	.24611	.23163	.68965	.66071

#1	1717.3	4614.6	32666.	3976.3
#2	1718.7	4635.9	32259.	3938.6
#3	1725.3	4623.1	32625.	3989.0

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Sample Name: FA51672-11 Acquired: 3/1/2018 10:31:57 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0042	238.1	0201	1.704	0043	50.81	-0011	0382	3106
Stddev	.0030	1.3	.0218	.007	.0008	.29	.0009	.0007	.0033
%RSD	72.78	.5285	108.2	.4194	17.63	.5704	79.50	1.867	1.072

#1	-0039	239.5	.0392	1.711	.0034	51.09	-0001	.0375	3100
#2	-0074	237.3	-0036	1.704	.0047	50.84	-0014	.0383	3142
#3	-0013	237.4	.0248	1.697	.0048	50.51	-0018	.0389	3077

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2702	218.1	21.44	17.40	3.591	0076	3.383	1758	9018
Stddev	.0006	.4	.43	.27	.014	.0017	.029	.0017	.0105
%RSD	.2269	.2040	2.021	1.557	.3773	22.55	.8526	.9693	1.167

#1	2708	218.6	21.90	17.51	3.598	.0057	3.416	1738	8900
#2	2701	217.9	21.05	17.60	3.575	.0090	3.365	1770	9101
#3	2696	217.8	21.36	17.09	3.599	.0080	3.368	1764	9053

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0423	0164	11.67	0473	7540	5.397	-0048	5164	2440
Stddev	.0062	.0273	.15	.0011	.0034	.023	.0122	.0052	.0006
%RSD	14.79	166.7	1.283	2.425	.4505	.4332	252.4	.9998	.2608

#1	0351	.0197	11.85	.0480	.7579	5.409	-0096	5215	2437
#2	0454	.0419	11.60	.0479	.7516	5.370	.0090	5165	2447
#3	0463	-0124	11.58	.0460	.7525	5.411	-0139	5112	2435

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1696.5	4587.0	32084.	3923.8
Stddev	2.6	5.0	177.	30.5
%RSD	.15566	.10865	.55139	.77806

#1	1695.0	4586.1	31910.	3890.6
#2	1699.5	4582.4	32263.	3930.4
#3	1694.9	4592.3	32080.	3950.5

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Sample Name: MP333399-MB1 Acquired: 3/1/2018 10:36:17 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0015	1305	-0095	0036	-0001	2403	0007	-0010	0036
Stddev	.0007	.0649	.0062	.0005	.0005	.0069	.0001	.0002	.0004
%RSD	43.43	49.70	64.84	14.34	868.9	2.877	10.82	18.29	12.57

#1	.0014	.0657	-0149	.0038	.0004	.2393	.0006	-0012	.0032
#2	.0022	.1955	-0027	.0040	-0001	.2477	.0008	-0009	.0041
#3	.0009	.1304	-0112	.0030	-0005	.2340	.0008	-0008	.0034

Elem	Cu3247	Fe2599	K_7664
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Sample Name: CCV Acquired: 3/1/2018 10:40:45 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2440	40.20	2.030	1.974	1.999	39.53	2.028	2.014	2.076
Stddev	.0007	.06	.011	.003	.010	.17	.007	.009	.004
%RSD	.2940	.1429	.5627	.1341	.4971	.4205	.3564	.4227	.1811

#1	2440	40.14	2.043	1.971	1.988	39.43	2.035	2.023	2.072
#2	2447	40.25	2.023	1.976	2.005	39.43	2.027	2.011	2.079
#3	2433	40.22	2.024	1.975	2.005	39.72	2.021	2.007	2.077

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.013	40.79	39.01	40.21	2.077	2.030	39.71	1.991	1.998
Stddev	.005	.06	.10	.27	.004	.007	.06	.007	.003
%RSD	.2748	.1507	.2455	.6739	.2105	.3457	.1564	.3566	.1533

#1	2.016	40.83	38.93	39.95	2.072	2.038	39.78	1.999	1.998
#2	2.007	40.81	38.98	40.20	2.081	2.028	39.67	1.989	1.995
#3	2.017	40.72	39.11	40.49	2.077	2.025	39.69	1.985	2.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.025	2.017	1.997	2.037	2.031	2.017	1.990	2.064	2.042
Stddev	.014	.007	.008	.010	.009	.003	.002	.006	.006
%RSD	.7011	.3357	.3874	.4754	.4386	.1697	.0911	.2756	.3133

#1	2.040	2.025	2.005	2.048	2.021	2.016	1.992	2.063	2.049
#2	2.023	2.011	1.998	2.030	2.038	2.014	1.991	2.060	2.043
#3	2.012	2.016	1.989	2.033	2.034	2.020	1.988	2.071	2.036

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 3/1/2018 10:40:45 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1590.5	4446.6	31198.	3869.9
Stddev	2.5	13.2	52	26.8
%RSD	.15577	.29774	.16803	.69204

#1	1593.3	4431.3	31236.	3887.0
#2	1588.7	4454.0	31219.	3883.7
#3	1589.5	4454.4	31138.	3839.1

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Sample Name: CCB Acquired: 3/1/2018 10:44:55 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	-0.016	-0.003	0.003	0.001	-0.064	0.001	-0.001	0.002
Stddev	.0003	.0211	.0003	.0006	.0001	.0013	.0001	.0000	.0002
%RSD	91.67	1358.	102.4	168.2	96.89	20.83	64.71	43.37	78.32

#1	-0.001	0.188	-0.001	0.010	0.000	-0.079	0.001	0.000	0.001
#2	-0.006	-0.002	-0.001	0.000	0.002	-0.056	0.000	-0.001	0.005
#3	-0.002	-0.232	-0.007	0.000	0.001	-0.056	0.002	-0.001	0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.000	0.033	0.048	-0.059	0.000	0.008	0.081	0.004	0.004
Stddev	.0004	.0031	.0172	.0153	.0001	.0003	.0057	.0001	.0005
%RSD	858.7	95.07	36.62	258.2	546.3	32.39	69.47	30.34	132.5

#1	0.001	0.013	0.028	-0.230	0.001	0.011	0.017	0.004	0.005
#2	-0.003	0.017	0.287	-0.011	0.000	0.008	0.121	0.005	0.008
#3	0.004	0.069	0.490	0.064	0.000	0.006	0.106	0.003	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.005	0.014	-0.004	-0.002	0.001	0.005	0.019	-0.001	-0.007
Stddev	.0007	.0006	.0006	.0002	.0000	.0002	.0008	.0004	.0001
%RSD	159.7	44.68	155.6	102.9	37.04	29.59	44.59	542.2	9.017

#1	-0.002	0.013	0.002	-0.003	0.001	0.006	0.028	-0.005	-0.007
#2	0.012	0.021	-0.011	0.000	0.001	0.006	0.015	0.003	-0.008
#3	0.003	0.009	-0.004	-0.005	0.001	0.003	0.013	-0.001	-0.007

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/1/2018 10:44:55 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1726.8	4648.0	32548.	3890.2
Stddev	1.4	10.6	88.	27.8
%RSD	.08147	.22793	.27017	.71332

#1	1728.3	4660.0	32450.	3914.8
#2	1726.6	4644.5	32621.	3895.8
#3	1725.5	4639.7	32572.	3860.1

Sample Name: MP33399-B1 Acquired: 3/1/2018 10:49:26 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0505	29.50	2.097	2.228	0537	28.92	0554	5559	2235
Stddev	.0041	.11	.012	.010	.0002	.15	.0003	.0003	.0014
%RSD	8.067	.3701	.5645	.4314	.3277	.5339	.5419	.0478	.6070
#1	.0546	29.55	2.108	2.218	.0539	28.78	.0557	5560	2223
#2	.0505	29.38	2.084	2.237	.0536	28.89	.0551	5556	2250
#3	.0464	29.58	2.100	2.230	.0536	29.09	.0555	5561	2232

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2700	29.04	28.28	27.23	5763	5364	28.13	5792	5284
Stddev	.0018	.02	.19	.10	.0020	.0005	.16	.0011	.0038
%RSD	.6506	.0558	.6556	.3502	.3453	.0939	.5649	.1939	.7254
#1	.2686	29.02	28.36	27.12	.5780	.5366	27.97	.5787	.5298
#2	.2695	29.05	28.40	27.30	.5741	.5367	28.29	.5784	.5241
#3	.2720	29.05	28.06	27.26	.5769	.5358	28.13	.5805	.5313

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	5404	2.076	4.281	6.301	5.662	5805	2.086	5.073	5826
Stddev	.0065	.006	.0027	.0014	.0023	.0007	.006	.0020	.0010
%RSD	1.198	.2822	.6225	.2172	.4111	.1215	.2681	.3932	.1664
#1	.5420	2.083	4.253	6.287	5.636	5.798	2.082	5.055	5831
#2	.5333	2.074	4.283	6.302	5.680	5.805	2.084	5.094	5832
#3	.5460	2.071	4.306	6.314	5.669	5.812	2.093	5.070	5815

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1653.3	4532.5	3124.1	3782.7
Stddev	5.0	16.0	35.	22.3
%RSD	.30280	.35265	.11077	.59051
#1	1649.7	4516.8	31226.	3800.5
#2	1651.1	4531.9	31217.	3789.9
#3	1659.0	4548.7	31281.	3757.6

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Sample Name: FA51672-18 Acquired: 3/1/2018 10:53:45 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0039	161.4	0179	8700	0036	12.78	-0013	0240	2076
Stddev	.0053	.5	.0054	.0021	.0012	.06	.0005	.0017	.0035
%RSD	138.0	.3070	30.43	.2359	33.78	.4782	36.66	6.903	1.694
#1	-.0031	161.3	.0159	8708	.0025	12.84	-.0008	.0224	2079
#2	.0010	162.0	.0137	8677	.0034	12.78	-.0018	.0239	2040
#3	-.0095	161.0	.0240	8715	.0050	12.71	-.0013	.0257	2110

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0261	151.1	13.42	11.50	8892	0036	1.850	1149	0602
Stddev	.0022	.6	.23	.47	.0054	.0017	.116	.0013	.0054
%RSD	8.577	4133	1.684	4.129	6096	47.47	6.278	1.110	8.951
#1	.0286	150.4	13.24	11.38	.8910	.0055	1.803	.1162	.0545
#2	.0242	151.5	13.68	12.03	.8831	.0028	1.982	.1137	.0610
#3	.0256	151.3	13.35	11.10	.8936	.0024	1.764	.1149	.0652

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	0022	0010	7.690	0489	1956	3.991	0128	3650	1557
Stddev	.0124	.0108	.104	.0055	.0007	.020	.0063	.0023	.0046
%RSD	560.0	1118.	1.354	11.20	.3686	.5040	49.67	6.205	2.954
#1	.0115	-.0083	7.808	.0531	.1954	4.009	.0166	.3624	.1521
#2	-.0118	-.0016	7.653	.0427	.1950	3.969	.0162	.3660	.1541
#3	.0070	.0128	7.610	.0509	.1964	3.994	.0054	.3665	.1609

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1703.4	4629.5	3240.5	3854.6
Stddev	3.4	4.1	26.1	17.2
%RSD	.20026	.08768	.80408	.44682
#1	1699.5	4624.9	32389.	3873.9
#2	1704.9	4630.6	32673.	3848.9
#3	1705.9	4632.8	32152.	3840.9

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Sample Name: MP33399-D1 Acquired: 3/1/2018 10:58:07 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 10.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0029	184.6	0202	9059	0032	13.75	-0010	0261	2403
Stddev	.0074	.8	.0071	.0043	.0005	.05	.0005	.0013	.0030
%RSD	257.2	.4493	35.15	.4747	14.88	.3407	50.63	5.107	1.258
#1	-.0016	184.5	.0277	9062	.0033	13.70	-.0008	.0249	2432
#2	.0038	185.5	.0194	9015	.0037	13.78	-.0007	.0275	2405
#3	-.0108	183.8	.0135	9101	.0027	13.78	-.0016	.0258	2372

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0271	161.8	14.10	12.03	9571	0014	2.178	1355	0700
Stddev	.0025	.3	.49	.24	.0047	.0012	.041	.0021	.0056
%RSD	9.221	.1747	3.452	1.983	.4923	85.27	1.868	1.547	7.950
#1	.0296	161.9	14.22	11.77	9606	.0001	2.224	1.344	.0757
#2	.0246	162.0	13.56	12.07	9518	.0016	2.158	1.341	.0697
#3	.0271	161.5	14.51	12.24	9590	.0025	2.150	1.379	.0646

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	0131	0014	8.743	0604	2102	4.688	0095	3998	1573
Stddev	.0061	.0171	.031	.0035	.0012	.032	.0118	.0025	.0010
%RSD	46.84	1180.	.3531	5.749	.5763	.6719	124.4	6.268	6.204
#1	.0160	.0190	8.779	.0611	2104	4.676	.0204	4027	1583
#2	.0173	.0004	8.730	.0567	2089	4.724	.0111	3985	1563
#3	.0061	-.0151	8.721	.0635	2112	4.665	-.0030	3982	1572

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1705.9	4629.7	32167.	3924.5
Stddev	2.7	2.9	71.	36.9
%RSD	.15893	.06242	.22171	.93946
#1	1707.8	4633.1	32095.	3899.2
#2	1702.8	4628.4	32237.	3907.5
#3	1707.0	4627.7	32170.	3968.8

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Sample Name: MP33399-D2 Acquired: 3/1/2018 11:04:33 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0022	192.6	0160	9587	0039	14.12	-0016	0263	2480
Stddev	.0002	1.0	.0033	.0094	.0004	.11	.0002	.0008	.0018
%RSD	6.983	.5249	20.73	.9824	9.643	.7912	11.68	3.087	.7247
#1	-.0021	193.8	.0176	9689	.0039	14.25	-.0015	.0270	2501
#2	-.0024	192.3	.0183	9503	.0035	14.03	-.0014	.0264	2469
#3	-.0023	191.8	.0122	9568	.0043	14.08	-.0018	.0254	2470

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0312	170.3	14.83	12.95	9865	0077	2.211	1341	0688
Stddev	.0014	.8	.22	.26	.0028	.0007	.029	.0016	.0078
%RSD	4.368	.4495	1.459	2.002	.2801				

Sample Name: MP33399-SD1 Acquired: 3/1/2018 11:08:53 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 25.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0141	168.9	0236	8705	0025	12.44	-0012	0209	2200
Stddev	0.085	.8	0.296	0.046	0.012	.07	0.023	0.025	0.041
%RSD	60.25	.4575	125.2	.5231	49.02	.5874	186.6	11.94	1.876

#1	-0065	168.9	0321	8703	0021	12.41	0014	0192	2164
#2	-0125	169.7	0481	8752	0015	12.52	-0025	0198	2192
#3	-0232	168.1	-0093	8661	0038	12.39	-0026	0238	2245

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0241	155.1	13.46	12.03	9107	-0093	2.033	1207	0520
Stddev	0.036	.5	1.18	.64	0.036	0.031	0.073	0.043	0.313
%RSD	14.94	.3246	8.784	5.279	.3901	32.96	3.587	3.561	60.18

#1	0206	154.6	12.14	11.30	9097	-0093	1.953	1249	0402
#2	0278	155.6	13.79	12.36	9146	-0063	2.051	1164	0283
#3	0240	155.1	14.44	12.44	9077	-0125	2.096	1209	0875

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0307	-0051	9.733	0321	2018	4.244	0172	3829	3107
Stddev	0.086	0.033	0.34	0.043	0.025	0.035	0.299	0.126	0.054
%RSD	27.84	636.2	.3534	13.42	1.237	8.141	173.4	3.299	1.736

#1	-0222	-0340	9.739	0336	1989	4.219	-0065	3692	3081
#2	-0308	-0110	9.765	0273	2034	4.284	0507	3853	3071
#3	-0393	0298	9.696	0356	2031	4.231	0075	3941	3169

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1751.5	4694.7	32808.	3968.6
Stddev	3.6	5.8	154.	3.7
%RSD	20562	12278	47075	09288

#1	1749.5	4694.3	32971.	3965.2
#2	1749.3	4689.1	32789.	3972.5
#3	1755.7	4700.6	32664.	3968.0

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Sample Name: MP33399-PS1 Acquired: 3/1/2018 11:13:18 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0511	173.3	1258	1153	0578	18.16	0498	0752	2731
Stddev	0.013	1.0	0.024	0.13	0.003	.10	0.008	0.003	0.009
%RSD	2.567	.5638	1.871	1.152	.5915	.5286	1.609	.4402	.3373

#1	0496	174.5	1276	1168	0579	18.26	0506	0755	2721
#2	0521	172.7	1266	1149	0574	18.14	0496	0751	2737
#3	0515	172.8	1231	1142	0580	18.07	0490	0748	2735

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1341	160.0	23.64	17.32	9582	1046	12.48	2202	1013
Stddev	0.028	1.1	.19	.17	0.040	0.031	.06	0.035	0.030
%RSD	2.094	.6615	.8014	.9590	.4183	2.942	4.768	1.612	2.985

#1	1352	161.2	23.85	17.44	9584	1080	12.55	2235	1028
#2	1309	159.4	23.57	17.13	9621	1040	12.47	2206	1034
#3	1362	159.3	23.49	17.40	9541	1019	12.43	2165	0979

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1045	0980	9.732	0988	2572	4.468	0901	4466	3802
Stddev	0.082	0.064	.104	0.023	0.019	.011	0.054	0.022	0.017
%RSD	7.844	6.506	1.069	2.298	.7326	.2367	5.954	4.880	4.351

#1	1089	0930	9.844	1014	2591	4.481	0953	4457	3783
#2	1096	0958	9.714	0978	2573	4.461	0904	4491	3810
#3	1051	1052	9.638	0972	2553	4.463	0846	4450	3813

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1679.0	4574.8	31798.	3852.3
Stddev	4.9	9.1	104.	16.9
%RSD	29215	19918	32598	43741

#1	1682.9	4577.2	31786.	3865.2
#2	1673.5	4564.7	31907.	3858.5
#3	1680.6	4582.5	31701.	3833.2

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7.2
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Sample Name: MP33399-S1 Acquired: 3/1/2018 11:17:38 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0475	270.1	1931	3035	0574	42.00	0499	5477	4735
Stddev	0.003	1.0	0.09	0.12	0.008	.33	0.006	0.046	0.045
%RSD	5600	.3825	.4795	.3782	1.478	.7968	1.126	8399	9508

#1	0471	271.0	1939	3034	0576	42.14	0505	5521	4787
#2	0476	270.2	1932	3047	0581	42.25	0497	5482	4708
#3	0476	269.0	1921	3024	0564	41.62	0495	5429	4709

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2955	189.5	39.88	40.08	1466	4771	28.94	7094	5635
Stddev	0.030	.9	.29	.39	.006	0.039	.08	0.065	0.128
%RSD	9984	.4903	.7299	.9760	.4030	.8103	2655	9157	2.271

#1	2975	190.2	39.98	40.52	1472	4808	28.91	7159	5724
#2	2921	189.8	40.11	39.91	1461	4775	28.88	7094	5692
#3	2968	188.5	39.56	39.80	1463	4731	29.02	7030	5488

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1687	1877	13.20	5713	7763	5.541	1.950	9193	6388
Stddev	0.077	0.15	.14	0.041	0.027	.025	0.023	0.060	0.023
%RSD	4.546	.7886	1.079	.7202	.3418	.4603	1.178	6.484	3.572

#1	1722	1883	13.34	5756	7759	5.558	1.969	9257	6408
#2	1741	1888	13.20	5709	7791	5.553	1.956	9181	6393
#3	1599	1860	13.05	5674	7738	5.512	1.924	9140	6364

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1652.3	4544.8	31383.	3834.4
Stddev	4.6	3.0	34.	17.2
%RSD	28002	06510	10763	44730

#1	1648.5	4542.3	31412.	3849.7
#2	1651.0	4548.1	31390.	3815.9
#3	1657.4	4544.1	31346.	3837.7

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Sample Name: MP33399-S2 Acquired: 3/1/2018 11:21:56 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0486	286.3	2029	3186	0607	43.85	0529	5768	4989
Stddev	0.039	1.9	0.23	0.25	0.011	.44	0.005	0.036	0.024
%RSD	8.068	.6518	1.143	.7752	1.804	.9964	1.029	6234	4902

#1	0444	285.4	2049	3189	0598	43.64	0534	5784	4973
#2	0491	288.5	2035	3209	0620	44.36	0530	5794	5017
#3	0522	285.1							

Sample Name: FA51672-12 Acquired: 3/1/2018 11:26:12 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0065	233.6	0218	2.985	0042	87.40	0002	0453	3215
Stddev	.0042	.5	.0058	.004	.0003	.14	.0005	.0007	.0074
%RSD	64.50	.1946	26.53	.1352	5.955	.1581	303.1	1.589	2.299
#1	-0067	234.1	.0220	2.989	.0043	87.55	-0004	0447	3131
#2	-0022	233.5	.0159	2.981	.0039	87.36	.0007	0461	3247
#3	-0105	233.2	.0275	2.984	.0044	87.29	.0002	0451	3268

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1255	216.3	23.21	23.70	5.986	0084	3.167	1936	7.543
Stddev	.005	.6	.24	.19	.016	.0011	.119	.0046	.037
%RSD	.3979	.2837	1.021	.8018	.2634	12.76	3.766	2.359	.4938
#1	1.252	216.8	22.95	23.67	5.993	.0073	3.149	.1989	7.583
#2	1.261	216.4	23.40	23.91	5.968	.0094	3.294	.1914	7.509
#3	1.252	215.6	23.28	23.54	5.997	.0084	3.057	.1906	7.539

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0608	0031	8.856	0522	1.156	5.486	-0015	5.181	1.057
Stddev	.0046	.0083	.229	.0041	.006	.010	.0082	.0012	.003
%RSD	7.556	269.3	2.590	7.938	.5194	.1768	538.6	.2394	.2495
#1	.0633	-0007	9.121	.0564	1.150	5.476	-0089	.5192	1.060
#2	.0555	.0126	8.737	.0520	1.157	5.495	-0031	.5184	1.055
#3	.0636	-0027	8.712	.0481	1.162	5.489	.0074	.5167	1.055

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1734.7	4694.3	32713.	3953.8
Stddev	1.7	5.7	189.	10.1
%RSD	.09962	.12041	.57632	.25557
#1	1734.3	4689.4	32754.	3950.6
#2	1736.6	4700.5	32878.	3965.2
#3	1733.2	4693.0	32508.	3945.8

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Sample Name: FA51672-13 Acquired: 3/1/2018 11:30:32 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0053	269.7	0325	4.937	0057	127.8	0031	0567	3784
Stddev	.0010	.9	.0052	.037	.0008	.7	.0003	.0022	.0019
%RSD	18.38	.3497	16.04	.7566	13.81	.5679	8.340	3.871	.5056
#1	-0046	269.6	.0319	4.955	.0058	128.1	.0028	0545	.3799
#2	-0048	270.7	.0380	4.962	.0064	128.3	.0033	0589	.3791
#3	-0064	268.8	.0276	4.894	.0048	127.0	.0032	0568	.3762

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.728	255.5	25.31	29.05	8.150	0077	3.788	2499	17.46
Stddev	.015	1.2	.48	.51	.012	.0009	.108	.0058	.08
%RSD	.5598	.4658	1.892	1.760	.1507	11.42	2.839	2.338	.4800
#1	2.732	256.1	25.08	29.14	8.147	.0067	3.833	.2563	17.54
#2	2.741	256.2	25.86	29.51	8.163	.0083	3.866	.2449	17.48
#3	2.711	254.1	24.98	28.50	8.139	.0079	3.665	.2484	17.37

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.285	0016	8.989	0682	1.712	6.466	-0087	6.067	7.907
Stddev	.0049	.0107	.271	.0033	.008	.015	.0138	.0011	.0084
%RSD	3.776	667.2	3.010	4.851	.4893	.2236	158.1	.1742	1.068
#1	.1333	.0009	9.295	.0670	1.713	6.453	-0235	6.079	.7810
#2	.1284	-0087	8.888	.0719	1.720	6.482	-0064	6.059	.7953
#3	.1236	.0127	8.783	.0656	1.704	6.464	.0038	6.062	.7959

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1693.0	4590.9	31969.	3889.3
Stddev	7.8	4.5	182.	13.9
%RSD	.46292	.09759	.56898	.35866
#1	1698.7	4591.2	31827.	3898.1
#2	1684.0	4586.3	32174.	3873.2
#3	1696.2	4595.3	31906.	3896.6

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7.2
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Sample Name: CCV Acquired: 3/1/2018 11:34:52 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2434	40.13	2.033	1.966	1.986	39.19	2.033	2.018	2.066
Stddev	.0006	.30	.009	.009	.009	.12	.007	.004	.001
%RSD	.2459	.7433	.4503	.4333	.4648	.2940	.3518	.2239	.0645
#1	2435	39.83	2.044	1.958	1.978	39.07	2.041	2.023	2.067
#2	2439	40.43	2.029	1.975	1.996	39.29	2.031	2.018	2.065
#3	2427	40.12	2.027	1.966	1.984	39.21	2.027	2.014	2.067

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 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.007	40.51	38.80	40.02	2.072	2.041	39.50	1.997	2.005
Stddev	.004	.27	.02	.36	.004	.004	.13	.004	.004
%RSD	.2177	.6610	.0577	.8987	.1761	.1859	.3264	.2005	.2130
#1	2.002	40.30	38.79	39.63	2.072	2.043	39.35	1.999	2.009
#2	2.007	40.81	38.82	40.34	2.069	2.044	39.60	2.000	2.003
#3	2.011	40.41	38.78	40.09	2.076	2.037	39.55	1.993	2.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.033	2.024	2.006	2.045	2.024	2.010	2.002	2.061	2.054
Stddev	.005	.008	.002	.003	.009	.003	.005	.004	.004
%RSD	.2359	.4048	.1052	.1670	.4300	.1343	.2720	.1759	.2155
#1	2.037	2.031	2.008	2.046	2.015	2.009	2.007	2.057	2.059
#2	2.035	2.027	2.006	2.047	2.032	2.013	2.003	2.063	2.055
#3	2.028	2.015	2.004	2.041	2.025	2.007	1.996	2.063	2.050

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: CCV Acquired: 3/1/2018 11:34:52 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1590.2	4448.0	31217.	3890.5
Stddev	1.0	8.4	7.	5.5
%RSD	.05984	.18816	.02322	.14107
#1	1590.1	4446.1	31219.	3896.2
#2	1589.3	4440.7	31209.	3890.0
#3	1591.2	4457.1	31223.	3885.2

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Sample Name: CCB Acquired: 3/1/2018 11:39:03 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0009	-0.0001	.0002	.0001	-0.0055	.0001	-0.001	.0001
Stddev	.0001	.0065	.0005	.0005	.0000	.0047	.0001	.0000	.0002
%RSD	76.10	694.4	664.4	221.4	30.17	84.57	90.34	71.13	477.0

#1	.0000	.0018	.0002	.0002	.0001	-0.0044	.0000	-0.001	.0000
#2	.0001	.0070	.0002	.0007	.0001	-0.0106	.0001	-0.001	.0003
#3	.0002	-0.0060	-0.0006	-0.0002	.0002	-0.0015	.0000	.0000	-0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0048	.0508	-0.0013	.0000	.0007	-0.0012	.0001	-0.0001
Stddev	.0004	.0043	.0250	.0303	.000	.0003	.0072	.0003	.0011
%RSD	146.3	89.86	49.21	2282.	263.3	48.71	579.7	297.5	827.9

#1	.0003	.0043	.0220	-0.0357	.0000	.0009	-0.0035	.0003	-0.0013
#2	.0006	.0008	.0657	.0106	.0000	.0008	-0.0070	-0.0002	.0001
#3	-0.0002	.0094	.0648	.0212	.0000	.0003	.0068	.0002	.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0007	-0.0004	.0001	.0003	.0004	.0013	-0.0001	-0.0007
Stddev	.0010	.0029	.0005	.0003	.0001	.0002	.0003	.0003	.0001
%RSD	209.6	385.3	143.5	467.8	30.95	42.05	25.01	619.1	13.20

#1	.0012	-0.0008	-0.0007	.0003	.0004	.0005	.0011	.0003	-0.0009
#2	.0010	-0.0010	-0.0006	.0000	.0002	.0002	.0017	-0.0001	-0.0007
#3	-0.0007	.0041	.0002	-0.0002	.0003	.0005	.0011	-0.0004	-0.0007

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/1/2018 11:39:03 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1753.0	4660.3	32658.	3925.9
Stddev	4.3	2.7	12.	4.70
%RSD	.24423	.05883	.03671	1.1963

#1	1749.0	4658.1	32647.	3958.5
#2	1752.3	4659.4	32657.	3872.0
#3	1757.5	4663.4	32671.	3947.1

7.2
7

Sample Name: FA51672-14 Acquired: 3/1/2018 11:43:32 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0036	167.8	.0157	2.522	.0036	77.23	.0006	.0321	2.416
Stddev	.0044	.5	.0072	.013	.0005	.17	.0001	.0005	.0037
%RSD	121.9	.3113	46.03	.5077	12.94	.2153	23.23	1.604	1.517

#1	-0.0034	168.1	.0172	2.522	.0040	77.42	.0007	.0316	2.427
#2	-0.0080	168.0	.0221	2.535	.0037	77.13	.0005	.0323	2.376
#3	.0007	167.2	.0079	2.509	.0031	77.13	.0006	.0326	2.447

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.356	166.7	17.39	17.73	5.831	.0065	2.287	1.553	9.307
Stddev	.021	.2	.15	.11	.018	.0016	.058	.0039	.011
%RSD	.8953	.1443	.8575	.5983	.3088	18.81	2.528	2.530	1.186

#1	2.343	166.7	17.29	17.85	5.812	.0072	2.338	1.573	9.319
#2	2.344	166.9	17.33	17.65	5.833	.0079	2.299	1.578	9.306
#3	2.380	166.4	17.56	17.69	5.848	.0103	2.224	1.508	9.297

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0213	.0051	9.078	.0513	1.162	4.887	.0112	4.035	7.652
Stddev	.0112	.0225	.059	.0011	.005	.033	.0095	.0077	.0028
%RSD	52.56	443.5	.6509	2.049	.4561	.6767	85.17	1.903	3.666

#1	.0085	.0054	9.140	.0525	1.166	4.855	.0002	3.949	7.640
#2	.0293	-0.0176	9.023	.0508	1.164	4.885	.0158	4.059	7.684
#3	.0260	.0274	9.072	.0506	1.156	4.921	.0175	4.097	7.632

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1706.7	4620.6	32145.	3901.6
Stddev	.5	15.8	188.	17.2
%RSD	.03071	.34254	.58333	.44155

#1	1707.3	4633.4	32361.	3908.0
#2	1706.7	4602.9	32041.	3882.1
#3	1706.2	4625.5	32032.	3914.8

Sample Name: FA51672-15 Acquired: 3/1/2018 11:47:53 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0044	179.1	.0186	7.496	.0037	12.62	-0.0019	.0236	2.295
Stddev	.0054	.7	.0093	.0050	.0007	.08	.0005	.0007	.0096
%RSD	121.5	.3968	49.97	.6725	19.33	.6281	28.60	2.993	4.193

#1	-0.0004	179.9	.0287	7.440	.0036	12.62	-0.0016	.0241	2.193
#2	-0.0023	178.7	.0105	7.539	.0031	12.55	-0.0026	.0228	2.384
#3	-0.0106	178.7	.0165	7.509	.0045	12.71	-0.0016	.0239	2.307

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0421	160.1	12.86	11.71	.7815	.0046	2.355	1.181	1.078
Stddev	.0005	.4	.07	.16	.0010	.0018	.104	.0017	.0059
%RSD	1.149	.2798	.5289	1.382	.1230	40.48	4.403	1.398	5.466

#1	.0426	160.6	13.03	11.64	.7805	.0054	2.442	1.182	1.062
#2	.0418	159.9	12.90	11.58	.7815	.0059	2.240	1.196	1.143
#3	.0418	159.8	12.94	11.89	.7824	.0024	2.382	1.163	1.028

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0054	.0185	11.72	.0490	1.962	4.662	.0050	4.052	1.742
Stddev	.0027	.0130	.21	.0021	.0018	.025	.0072	.0042	.0018
%RSD	49.37	70.59	1.805	4.345	.8972	5.359	145.1	1.044	1.036

#1	.0046	.0149	11.95	.0495	1.958	4.690	.0099	4.095	1.734
#2	.0032	.0076	11.67	.0509	1.947	4.642	-0.0033	4.010	1.762
#3	.0083	.0329	11.54	.0467	1.982	4.655	.0084	4.052	1.728

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1706.1	4615.4	32046.	3860.7
Stddev	3.5	7.5	64.	21.2
%RSD	.20607	.16212	.20033	.54808

#1	1704.2	4614.7	32027.	3851.2
#2	1703.9	4608.3	32117.	3845.9
#3	1710.1	4623.2	31993.	3884.9

Sample Name: FA51672-16 Acquired: 3/1/2018 11:52:15 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.013	174.7	0.233	2.422	0.038	79.75	0.004	0.321	2.435
Stddev	0.011	.6	0.107	.010	0.003	.15	0.004	0.005	0.019
%RSD	81.60	.3564	45.86	.4246	7.368	.1868	85.34	1.553	.7842
#1	0.011	174.4	0.043	2.427	0.035	79.76	0.000	0.320	2.447
#2	0.025	174.2	0.130	2.410	0.040	79.60	0.006	0.317	2.445
#3	0.004	175.4	0.027	2.429	0.040	79.90	0.007	0.326	2.413

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	1.171	172.1	19.10	20.67	4.743	2.701	1.622	5.304	
Stddev	.010	.5	.37	.27	.019	0.003	.052	0.034	.010
%RSD	.8776	.2973	1.928	1.321	.3911	7.043	1.922	2.103	.1905
#1	1.174	172.3	19.39	20.75	4.752	.0048	2.739	.1659	5.296
#2	1.179	171.6	19.23	20.36	4.756	.0051	2.642	.1592	5.316
#3	1.159	172.5	18.69	20.89	4.722	.0044	2.722	.1615	5.301

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.142	-0.089	9.742	0.569	1.118	5.264	0.001	4.246	6.160
Stddev	.0043	.0233	.068	.0041	.003	.028	.0034	.0016	.0006
%RSD	30.16	261.1	.6959	7.233	2.456	.5379	288.1	.3740	.0935
#1	0.161	0.165	9.820	0.548	1.121	5.285	.0003	4.263	6.164
#2	0.093	-0.141	9.699	0.616	1.119	5.274	-.0033	4.232	6.164
#3	0.173	-0.292	9.707	0.542	1.115	5.232	.0034	4.242	6.154

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1715.0	4632.1	32293.	3886.8
Stddev	5.7	16.5	131.	45.2
%RSD	.33160	.35556	.40535	1.1623
#1	1710.9	4616.3	32327.	3908.0
#2	1712.5	4630.8	32149.	3917.6
#3	1721.5	4649.1	32404.	3835.0

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Sample Name: FA51672-17 Acquired: 3/1/2018 11:56:37 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.029	182.6	0.191	8.562	0.027	13.42	-0.018	0.250	2.295
Stddev	0.034	.7	0.018	.0087	0.003	.05	0.002	0.009	0.019
%RSD	118.2	.3687	9.413	1.013	10.54	.3598	11.53	3.648	.8113
#1	-0.048	182.3	0.182	8.534	0.030	13.46	-0.016	0.245	2.306
#2	-0.011	183.3	0.212	8.659	0.025	13.43	-0.020	0.261	2.306
#3	-0.050	182.0	0.180	8.492	0.026	13.36	-0.019	0.246	2.274

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.406	158.5	13.87	12.30	8.285	0.044	2.226	1.251	1.085
Stddev	.0019	.5	.29	.35	.0037	.0008	.026	.0005	.0112
%RSD	4.636	.3361	2.065	2.879	.4485	18.92	1.187	.3882	10.32
#1	.0428	158.8	14.00	12.00	.8304	.0051	2.256	.1246	.1197
#2	.0399	157.9	14.06	12.69	.8309	.0045	2.218	.1251	.1084
#3	.0392	158.8	13.54	12.21	.8242	.0035	2.205	.1255	.0973

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.131	0.038	11.42	0.096	2.162	4.934	0.037	4.025	1.924
Stddev	.0228	.0052	.17	.0009	.0009	.010	.0042	.0053	.0025
%RSD	174.0	135.2	1.466	1.807	.4149	.2033	112.3	1.311	1.309
#1	-0.019	0.008	11.61	.0497	2.152	4.943	.0001	4.084	1.896
#2	0.018	0.098	11.36	.0504	2.164	4.936	.0083	4.009	1.930
#3	0.094	0.009	11.29	.0487	2.170	4.923	.0028	3.982	1.945

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1719.1	4654.8	32276.	3873.8
Stddev	6.8	8.9	137.	34.2
%RSD	.39355	.19185	4.2303	.88323
#1	1725.4	4662.1	32161.	3847.7
#2	1720.0	4657.5	32241.	3861.2
#3	1712.0	4644.9	32427.	3912.5

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7.2
7

Zoom In

Zoom Out

Sample Name: FA51672-19 Acquired: 3/1/2018 12:00:59 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.022	149.3	0.075	2.458	0.032	88.66	0.011	0.267	2.094
Stddev	.0037	.4	.0010	.018	.0009	.43	.0003	.0009	.0048
%RSD	164.7	.2904	13.99	.7146	27.50	.4869	29.99	3.512	2.314
#1	-0.061	149.8	0.082	2.476	0.023	89.04	0.009	0.259	2.077
#2	0.012	149.0	0.079	2.458	0.040	88.74	0.009	0.266	2.149
#3	-0.018	149.1	0.063	2.441	0.033	88.19	0.014	0.277	2.056

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.429	149.0	20.36	20.14	4.973	0.034	2.526	1.470	9.325
Stddev	.009	.4	.27	.03	.008	.0014	.070	.0018	.026
%RSD	.3739	.2842	1.325	.1648	.1563	42.40	2.764	1.198	.2788
#1	2.429	149.3	20.37	20.16	4.980	.0029	2.483	1.456	9.302
#2	2.438	149.1	20.09	20.10	4.964	.0022	2.489	1.465	9.353
#3	2.420	148.5	20.63	20.15	4.974	.0050	2.607	1.490	9.319

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.296	0.087	9.406	0.536	1.246	4.573	-0.067	3.482	7.696
Stddev	.0154	.0039	.074	.0013	.005	.012	.0074	.0024	.0005
%RSD	51.97	45.51	.7868	2.458	.3775	.2659	110.6	.7012	.0701
#1	0.470	0.051	9.491	0.535	1.249	4.587	-0.105	3.455	7.601
#2	0.242	0.079	9.363	0.550	1.248	4.564	-0.115	3.487	7.591
#3	0.176	0.129	9.363	0.523	1.241	4.569	.0018	3.503	7.594

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1717.1	4647.9	32598.	3894.2
Stddev	1.4	1.9	113.	20.2
%RSD	.08249	.03980	.34705	.51824
#1	1718.7	4645.9	32526.	3870.9
#2	1716.1	4648.6	32728.	3906.8
#3	1716.6	4649.4	32540.	3904.8

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Zoom In

Zoom Out

Sample Name: FA51672-20 Acquired: 3/1/2018 12:05:21 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.039	173.3	0.109	8.028	0.036	12.61	-0.016	0.190	2.115
Stddev	.0013	.9	.0053	.0050	.0004	.05	.0006	.0008	.0054
%RSD	33.98	.5233	48.18	.8335	9.870	.3922	35.13	4.308	2.562
#1	-0.038	174.2	0.166	8.073	0.034	12.66	-0.022	0.181	2.075
#2	-0.026	172.4	0.098	8.038	0.035	12.58	-0.010	0.192	2.093
#3	-0.053	173.2	0.063	7.974	0.040	12.57	-0.018	0.197	

Sample Name: FA51672-21 Acquired: 3/1/2018 12:09:44 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0017	188.8	0339	2.498	0037	71.33	0014	0315	2596
Stddev	.0017	.5	.0067	.014	.0004	.24	.0008	.0001	.0022
%RSD	99.22	.2585	19.77	.5602	11.93	.3424	61.61	.3098	.8299

#1	-0024	188.8	.0341	2.506	.0040	71.51	.0023	.0314	2618
#2	-0029	188.4	.0271	2.505	.0032	71.44	.0007	.0316	2594
#3	.0002	189.3	.0405	2.482	.0039	71.06	.0011	.0314	2575

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5.814	182.4	18.77	19.17	4.486	0045	2.429	1.712	38.78
Stddev	.019	.8	.26	.24	.009	.0013	.025	.0021	.08
%RSD	.3250	.4329	1.408	1.226	.1929	28.39	1.038	1.204	.1940

#1	5.821	182.1	18.49	18.95	4.477	.0059	2.454	1.696	38.77
#2	5.827	183.3	18.81	19.14	4.495	.0033	2.430	1.735	38.86
#3	5.792	181.8	19.02	19.42	4.487	.0044	2.404	1.705	38.71

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_3600)	(Y_2243)
Avg	1.722	0024	11.36	0817	1.062	5.258	-0082	4.294	1.162
Stddev	.0111	.0157	.11	.0026	.004	.012	.0160	.0043	.002
%RSD	6.450	651.7	.9379	3.228	.3922	2.287	194.1	.9981	.1484

#1	.1840	-0.114	11.44	.0828	1.057	5.261	-0.256	4.302	1.161
#2	.1619	-0.194	11.41	.0835	1.065	5.268	-0.049	4.248	1.164
#3	.1707	-0.0008	11.24	.0786	1.063	5.245	.0058	4.332	1.163

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1711.8	4658.4	32377.	3879.4
Stddev	4.3	10.2	65.	26.0
%RSD	.25337	.21792	.20087	.67060

#1	1711.0	4652.5	32452.	3855.3
#2	1707.9	4652.6	32334.	3875.7
#3	1716.5	4670.1	32346.	3907.0

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Sample Name: FA51672-22 Acquired: 3/1/2018 12:14:06 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0038	199.3	0201	1.102	0037	24.37	-0013	0247	2412
Stddev	.0020	1.2	.0039	.003	.0003	.02	.0004	.0007	.0013
%RSD	53.14	.6164	19.18	.2644	8.805	.0832	34.19	2.817	.5298

#1	-0059	198.0	.0204	1.099	.0034	24.39	-0012	.0245	2399
#2	-0019	200.4	.0161	1.104	.0035	24.36	-0018	.0241	2424
#3	-0035	199.4	.0238	1.102	.0040	24.35	-0009	.0255	2413

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0940	171.9	16.40	13.81	1.148	0064	2.379	1.314	3856
Stddev	.0023	1.6	.29	.15	.006	.0007	.062	.0016	.0049
%RSD	2.442	.9245	1.766	1.105	.5575	10.43	2.613	1.215	1.265

#1	.0966	170.7	16.32	13.64	1.153	.0071	2.446	1.304	3910
#2	.0923	173.7	16.71	13.93	1.141	.0058	2.369	1.332	3840
#3	.0930	171.4	16.15	13.86	1.151	.0065	2.323	1.305	3816

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_3600)	(Y_2243)
Avg	0157	-0156	11.83	0527	3694	4.824	-0046	4.247	1.637
Stddev	.0014	.0174	.15	.0037	.0012	.029	.0059	.0006	.0017
%RSD	9.043	112.0	1.239	6.995	.3363	.6022	128.7	.1525	1.012

#1	.0154	-0.203	12.00	.0550	.3683	4.857	.0006	4.241	1.625
#2	.0172	-0.302	11.80	.0546	.3708	4.802	-0.033	4.254	1.630
#3	.0144	.0037	11.71	.0484	.3691	4.814	-0.110	4.247	1.656

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1710.9	4642.7	32232.	3849.1
Stddev	10.9	20.7	137.	22.5
%RSD	.63460	.44545	.42589	.58577

#1	1698.9	4622.9	32286.	3873.6
#2	1720.0	4664.2	32334.	3829.3
#3	1713.8	4641.0	32076.	3844.4

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Sample Name: FA51955-1 Acquired: 3/1/2018 12:18:28 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0100	375.7	0940	3.280	0095	119.8	0004	3819
Stddev	.0003	.7	.0006	.006	.0002	.6	.0001	.0024
%RSD	3.260	.1983	.6557	.1821	1.675	.4942	13.85	.6404

#1	-0103	376.0	.0946	3.278	.0095	119.5	.0004	3847
#2	-0100	376.1	.0934	3.286	.0097	120.4	.0003	3808
#3	-0097	374.8	.0939	3.275	.0093	119.4	.0004	3801

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	4670	4888	472.4	7.933	61.75	F 20.19	0019	5.984
Stddev	.0010	.0027	1.2	.030	.29	.11	.0003	.015
%RSD	.2047	.5458	.2566	.3793	.4678	.5451	13.50	.2419

#1	4662	4919	473.1	7.899	61.89	20.29	.0017	5.996
#2	4681	4875	473.1	7.949	61.94	20.07	.0018	5.988
#3	4668	4870	471.0	7.953	61.42	20.21	.0022	5.968

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_3600)
Avg	2.519	3596	0054	F -0323	3.188	0214	1.806	F 9.043
Stddev	.014	.0042	.0024	.0036	.022	.0006	.003	.082
%RSD	.5662	1.162	45.31	11.18	.6805	2.956	.1411	.9048

#1	2.535	3643	.0062	-0.320	3.213	.0220	1.805	9.087
#2	2.511	3564	.0073	-0.288	3.181	.0208	1.809	8.948
#3	2.510	3581	.0026	-0.360	3.171	.0214	1.805	9.093

Elem	Ti1908	V_2924	Zn2062
IS Ref	(In2306)	(Y_3600)	(Y_2243)
Avg	0094	1.281	1.280
Stddev	.0058	.001	.009
%RSD	61.77	.0911	.6674

#1	.0151	1.281	1.290
#2	.0035	1.279	1.278
#3	.0096	1.282	1.273

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Sample Name: FA51955-1 Acquired: 3/1/2018 12:18:28 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1620.4	6036.5	41124.	5206.4
Stddev	7.3	5.6	163.	17.1
%RSD	.45259	.09223	.39637	.32852

#1	1612.3	6038.7	41142.	5201.4
#2	1622.5	6040.6	41277.	5192.3
#3	1626.6	6030.2	40953.	5225.4

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Sample Name: FA51955-1 Acquired: 3/1/2018 12:23:03 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 4.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.112	427.1	1.102	3.759	0.108	138.8	-0.004	4476
Stddev	.0010	1.8	.0034	.019	.0005	.9	.0003	.0013
%RSD	8.768	.4252	3.088	.5056	4.881	.6137	75.30	.2831

#1	-0.122	428.6	1.110	3.775	.0114	139.2	-0.001	4464
#2	-0.111	427.5	1.131	3.764	.0106	139.4	-0.006	4474
#3	-0.103	425.1	1.064	3.738	.0104	137.8	-0.004	4489

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	5322	5438	554.2	8.983	71.53	23.77	0.008	6.790
Stddev	.0021	.0010	2.1	.124	.51	.11	.0006	.037
%RSD	.4030	.1877	.3847	1.382	.7129	.4675	68.93	.5521

#1	5311	5427	555.5	9.126	71.43	23.71	.0003	6.832
#2	5346	5441	555.4	8.919	72.09	23.90	.0008	6.777
#3	5307	5447	551.8	8.903	71.08	23.71	.0014	6.760

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	2.945	3519	0.012	F-.0406	3.690	0.245	2.066	10.30
Stddev	.006	.0093	.0045	.0054	.004	.0024	.009	.03
%RSD	.2104	2.648	376.4	13.36	.0993	9.666	.4442	.3192

#1	2.939	3474	.0032	-0.368	3.694	.0246	2.074	10.33
#2	2.946	3626	-.0039	-0.469	3.687	.0221	2.067	10.30
#3	2.951	3457	.0043	-0.383	3.689	.0268	2.056	10.27

Elem	Tl1908	V_2924	Zn2062
IS Ref	(In2306)	(Y_3600)	(Y_2243)
Avg	0.147	1.449	1.519
Stddev	.0027	.003	.003
%RSD	18.03	.2200	.2171

#1	0.137	1.451	1.517
#2	0.178	1.452	1.523
#3	0.127	1.446	1.517

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Sample Name: FA51955-1 Acquired: 3/1/2018 12:23:03 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 4.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1683.7	5414.2	37300.	4583.3
Stddev	3.6	5.9	88.	27.1
%RSD	.21554	.10891	.23578	.59030

#1	1687.6	5420.0	37332.	4611.9
#2	1680.5	5408.2	37200.	4558.1
#3	1683.0	5414.3	37367.	4579.8

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7.2
7

Sample Name: CCV Acquired: 3/1/2018 12:27:29 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem Units	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Avg	2.445	40.89	1.991	1.999	2.043	39.88	1.991	1.993	2.060
Stddev	.0005	.10	.007	.007	.005	.12	.006	.008	.009
%RSD	.1979	.2463	.3565	.3560	.2507	.2973	.3109	.3829	4.361

#1	2.448	40.73	1.998	2.002	2.047	39.82	1.995	2.002	2.050
#2	2.447	40.58	1.991	1.991	2.037	39.80	1.994	1.990	2.068
#3	2.439	40.76	1.984	2.004	2.044	40.02	1.984	1.987	2.061

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	2.021	40.96	39.60	40.85	2.034	2.017	39.29	1.991	1.973
Stddev	.011	.19	.11	.12	.008	.005	.10	.007	.007
%RSD	.5567	.4683	.2732	.3022	.3902	.2683	.2650	.3568	.3772

#1	2.017	41.11	39.51	40.83	2.027	2.022	39.31	1.999	1.974
#2	2.033	40.74	39.57	40.75	2.042	2.019	39.18	1.990	1.980
#3	2.012	41.02	39.72	40.99	2.032	2.011	39.39	1.986	1.965

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem Units	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Avg	1.989	1.992	1.969	2.030	2.076	2.036	1.958	2.089	2.048
Stddev	.007	.011	.003	.009	.009	.004	.013	.016	.007
%RSD	.3438	.5387	.1627	.4242	.4502	.1747	.6446	.7634	.3662

#1	1.997	2.000	1.972	2.039	2.083	2.033	1.954	2.071	2.054
#2	1.987	1.996	1.970	2.030	2.065	2.040	1.973	2.101	2.048
#3	1.983	1.980	1.966	2.022	2.079	2.036	1.949	2.094	2.040

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: CCV Acquired: 3/1/2018 12:27:29 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	1600.8	4495.3	31285.	3842.8
Stddev	5.0	14.2	110.	16.6
%RSD	.31247	.31554	.35294	.43325

#1	1598.6	4479.5	31396.	3827.7
#2	1597.3	4499.5	31176.	3840.0
#3	1606.5	4507.0	31283.	3860.6

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Sample Name: CCB Acquired: 3/1/2018 12:31:41 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.001	.000	-0.006	.0002	.001	-0.0028	.001	.000	.000
Stddev	.001	.021	.007	.001	.000	.0041	.000	.001	.002
%RSD	94.96	170600.	103.7	31.85	13.51	146.4	46.38	1046.	1049.
#1	.001	.0224	-0.008	.0003	.0001	-0.006	.001	.001	.002
#2	.000	-0.0038	.001	.002	.001	-0.017	.001	.000	-0.002
#3	.003	-0.186	-0.012	.003	.001	-0.073	.002	.000	.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.001	.0053	.0397	.0177	.000	.0007	.0039	.002	-0.009
Stddev	.001	.010	.0189	.0224	.00	.004	.0028	.000	.002
%RSD	228.6	18.74	47.67	126.8	702.0	64.45	71.88	28.53	21.24
#1	.002	.0052	.0400	-0.079	.000	.0011	.0034	.001	-0.007
#2	.001	.0063	.0207	.0270	.000	.0007	.0014	.002	-0.009
#3	-0.001	.0044	.0585	.0339	.000	.0002	.0069	.002	-0.011

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.001	.0018	.0011	.000	.0002	.0005	.001	-0.001	-0.007
Stddev	.007	.0008	.0003	.00	.001	.001	.0006	.0003	.001
%RSD	623.8	41.91	29.98	616.0	59.93	29.01	698.2	346.8	9.176
#1	.008	.0010	.0007	.0003	.0003	.0006	-0.005	.000	-0.006
#2	-0.005	.0024	.0011	-0.003	.0002	.0006	.0007	.0002	-0.007
#3	.000	.0020	.0013	-0.001	.0001	.0003	.001	-0.005	-0.008

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/1/2018 12:31:41 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1763.1	4723.5	32942.	3956.6
Stddev	3.7	4.4	174.	33.0
%RSD	.21241	.09418	.52930	.83492
#1	1765.4	4728.6	32901.	3920.2
#2	1765.1	4720.5	32791.	3965.0
#3	1758.8	4721.3	33133.	3984.6

7.2
7

Sample Name: FA52016-1 Acquired: 3/1/2018 12:36:09 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.010	128.1	.0097	.2068	.0009	28.88	.000	.0085	1.069
Stddev	.0003	.3	.0005	.0013	.0001	.13	.000	.0001	.0002
%RSD	25.93	.2253	5.325	.6220	8.892	4342	85.99	1.481	.2327
#1	-0.007	128.4	.0092	.2082	.0008	28.99	.000	.0085	1.071
#2	-0.012	128.0	.0099	.2061	.0010	28.91	.000	.0084	1.068
#3	-0.010	127.8	.0102	.2059	.0009	28.74	-0.001	.0087	1.067

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0049	10.87	1.284	2.275	.0205	.0025	.4407	.0526	1.686
Stddev	.0001	.03	.047	.025	.0001	.0000	.0152	.0003	.0016
%RSD	3.049	.3128	3.677	1.121	.4459	1.915	3.456	.5597	.9741
#1	.0047	10.91	1.337	2.257	.0204	.0025	.4353	.0529	1.700
#2	.0050	10.87	1.268	2.304	.0206	.0024	.4289	.0527	1.690
#3	.0049	10.84	1.247	2.263	.0204	.0025	.4579	.0523	1.668

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.022	-0.058	6.082	0.187	7.375	4.508	-0.063	0.672	0.192
Stddev	.0006	.0019	.013	.0001	.0006	.0028	.0015	.0002	.0001
%RSD	24.72	32.33	.2171	.5373	.0785	.6259	24.14	.3297	.6486
#1	-0.028	-0.078	6.097	0.186	7.370	4.529	-0.046	0.670	0.194
#2	-0.022	.0041	6.077	0.188	7.374	4.519	-0.068	0.672	0.191
#3	-0.017	.0055	6.073	0.188	7.382	4.476	-0.075	0.674	0.192

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1647.4	4799.2	33151.	4054.3
Stddev	1.3	5.3	63.	18.9
%RSD	.07607	.10990	.19017	.46542
#1	1646.2	4794.3	33106.	4046.2
#2	1647.2	4804.8	33124.	4040.8
#3	1648.7	4798.4	33223.	4075.8

Sample Name: FA52016-2 Acquired: 3/1/2018 12:40:31 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	8635	.000	0.140	.000	6.448	.000	.0005	.0061
Stddev	.0003	.0052	.001	.0002	.0002	.025	.000	.0000	.0001
%RSD	121.8	.6079	3025.	1.386	411.7	.3855	127.6	4.993	2.012
#1	.002	8584	.0008	0.140	-0.001	6.446	-0.001	.0004	.0061
#2	.0005	8632	-0.011	0.142	.000	6.473	.000	.0005	.0060
#3	.000	8689	.0001	0.138	.0002	6.424	.000	.0005	.0062

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0009	3.770	0.514	0.842	0.133	.000	1.709	.0027	.0057
Stddev	.0003	.0028	0.137	.0089	.0001	.0001	.0052	.0002	.0010
%RSD	34.68	.7345	26.57	10.56	.4612	459.2	3.069	6.877	18.47
#1	.0011	3.739	0.395	0.740	0.132	.0002	1.649	.0026	.0067
#2	.0005	3.781	0.663	0.879	0.133	.000	1.744	.0029	.0047
#3	.0010	3.791	0.485	.0906	0.133	.000	1.735	.0026	.0056

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0008	0.024	5.761	0.190	0.445	2.701	-0.022	0.024	0.042
Stddev	.0003	.0003	.0056	.0003	.0001	.0020	.0005	.0002	.0000
%RSD	32.66	14.65	.9680	1.455	.1165	.7469	23.46	7.991	1.123
#1	.0011	0.023	5.826	0.187	0.444	2.679	-0.019	0.023	0.042
#2	.0009	0.021	5.731	0.191	0.445	2.718	-0.028	0.023	0.041
#3	.0005	0.027	5.727	0.192	0.445	2.707	-0.019	0.027	0.042

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1697.4	4595.3	32207.	3837.3
Stddev	4	2.9	78.	14.3
%RSD	.02423	.06381	.24091	.37166
#1	1697.3	4597.0	32134.	3833.4
#2	1697.1	4591.9	32197.	3825.4
#3	1697.9	4596.9	32289.	3853.1

Sample Name: FA52016-3 Acquired: 3/1/2018 12:44:57 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	.0000	.4676	-.0013	.0090	-.0000	3.256	-.0001	-.0001	.0046
Stddev	.001	.0215	.0008	.0003	.000	.042	.0000	.0001	.0001
%RSD	1492.	4.595	61.88	3.575	552.5	1.294	4.558	176.3	2.183

#1	.0003	.4869	-.0007	.0087	.0000	3.225	-.0001	.0000	.0045
#2	.0002	.4445	-.0010	.0090	.0000	3.241	-.0001	-.0002	.0047
#3	-.0006	.4715	-.0022	.0093	-.0001	3.304	-.0001	.0000	.0046

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0008	.2110	.0935	.0651	-.0086	.0002	.3100	.0019	.0048
Stddev	.0002	.0027	.0246	.0232	.0002	.0002	.0052	.0001	.0007
%RSD	25.97	1.290	26.28	35.66	1.959	105.5	1.679	6.885	13.84

#1	.0006	.2092	.0683	.0525	.0087	.0002	.3060	.0018	.0041
#2	.0010	.2096	.0950	.0509	.0087	.0000	.3159	.0019	.0054
#3	.0007	.2141	.1174	.0920	.0084	.0005	.3082	.0020	.0050

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0003	.0030	.4691	.0199	.0266	.3514	-.0016	.0020	.0023
Stddev	.0009	.0006	.0014	.0004	.0003	.0025	.0008	.0004	.0000
%RSD	357.1	19.48	.2913	1.900	1.129	.7094	51.93	17.23	.1655

#1	-.0007	.0025	.4691	.0195	.0267	.3496	-.0014	.0018	.0023
#2	-.0009	.0029	.4705	.0202	.0262	.3543	-.0009	.0024	.0023
#3	.0008	.0037	.4677	.0200	.0268	.3504	-.0025	.0019	.0023

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1710.9	4603.9	32626.	3820.6
Stddev	3.4	2.3	42.	46.5
%RSD	.19876	.04920	.12788	1.2179

#1	1714.8	4606.3	32670.	3853.8
#2	1709.5	4603.6	32587.	3840.6
#3	1708.5	4601.8	32621.	3767.4

Sample Name: FA52016-4 Acquired: 3/1/2018 12:49:24 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-.0002	.5536	.0045	.0066	.0006	.2560	.0002	.0147	.0630
Stddev	.0002	.12	.0010	.0005	.0001	.4	.0000	.0001	.0010
%RSD	84.09	.2208	21.56	.5560	10.07	.1643	17.10	.8133	1.514

#1	-.0004	.5534	.0040	.0963	.0006	.2562	.0002	.0145	.0624
#2	.0000	.5549	.0038	.0972	.0006	.2562	.0003	.0148	.0631
#3	-.0002	.5525	.0056	.0962	.0007	.2555	.0002	.0147	.0643

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0150	4.136	.6349	2.789	.0331	.0009	.9121	.0195	.0878
Stddev	.0004	.001	.0223	.009	.0001	.0001	.0061	.0001	.0007
%RSD	2.911	.0337	3.511	.3226	.2425	10.53	.6662	.5602	.7434

#1	.0153	4.134	.6186	2.787	.0330	.0008	.9122	.0194	.0876
#2	.0145	4.137	.6603	2.798	.0331	.0009	.9060	.0196	.0874
#3	.0152	4.135	.6258	2.781	.0332	.0010	.9181	.0195	.0886

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0000	.0041	5.200	.0188	.7299	.4337	-.0033	.0308	.0286
Stddev	.001	.0015	.013	.0005	.0024	.0004	.0015	.0006	.0001
%RSD	7035.	35.77	.2553	2.546	.3264	.0829	45.84	2.078	.2206

#1	.0012	.0027	5.208	.0191	.7283	.4337	-.0036	.0301	.0287
#2	.0002	.0040	5.208	.0191	.7327	.4340	-.0017	.0311	.0286
#3	-.0015	.0056	5.185	.0183	.7288	.4333	-.0047	.0313	.0286

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1583.5	4535.3	31378.	3908.0
Stddev	2.0	4.0	34.	5.7
%RSD	.12782	.08834	.10724	.14551

#1	1585.0	4530.9	31412.	3902.2
#2	1584.2	4538.8	31345.	3913.6
#3	1581.2	4536.3	31376.	3908.2

7.2
7

Sample Name: FA52016-5 Acquired: 3/1/2018 12:53:47 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	.0000	4.006	.0003	.0270	.0001	34.75	.0001	.0073	.0102
Stddev	.0003	.009	.0011	.0000	.0000	.11	.0000	.0001	.0001
%RSD	1381.	.2311	391.1	.0660	14.81	.3234	54.40	1.227	.9041

#1	-.0003	3.995	.0010	.0270	.0001	34.66	.0001	.0072	.0103
#2	.0002	4.013	.0009	.0271	.0000	34.72	.0000	.0074	.0102
#3	.0001	4.009	-.0010	.0270	.0001	34.88	.0000	.0072	.0101

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0021	1.381	.1969	.1993	.0157	.0002	.2906	.0047	.0165
Stddev	.0002	.013	.0586	.0144	.0001	.0002	.0023	.0001	.0009
%RSD	9.235	.9186	29.77	7.243	.3833	70.25	.7852	2.019	5.647

#1	.0023	1.377	.1325	.1860	.0157	.0002	.2911	.0048	.0161
#2	.0019	1.370	.2113	.2147	.0158	.0004	.2926	.0047	.0159
#3	.0022	1.395	.2471	.1972	.0158	.0001	.2882	.0046	.0176

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0007	.0012	1.446	.0193	.1315	.2742	-.0015	.0069	.0047
Stddev	.0008	.0002	.002	.0002	.0006	.0017	.0007	.0005	.0000
%RSD	115.0	15.15	.1618	.9508	.4711	.6031	47.15	7.001	.4533

#1	.0001	.0014	1.446	.0193	.1311	.2758	-.0021	.0066	.0047
#2	.0004	.0011	1.444	.0195	.1322	.2725	-.0016	.0075	.0047
#3	.0017	.0011	1.448	.0192	.1312	.2744	-.0007	.0067	.0047

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1690.5	4604.1	32132.	3867.2
Stddev	6.7	3.5	277.	22.7
%RSD	.39689	.07499	.86110	.58815

#1	1692.8	4607.0	31846.	3878.5
#2	1683.0	4600.3	32398.	3882.0
#3	1695.8	4605.1	32152.	3841.0

Sample Name: FA51796-8F Acquired: 3/1/2018 12:58:12 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	.0005	-.0085	-.0018	.0216	.0001	.6597	.0000	-.0002	.0177
Stddev	.0004	.0203	.0003	.0004	.0000	.0073	.000	.0001	.0003
%RSD	80.99	239.7	19.21	1.939	36.12	1.100	310.4	52.03	1.496

#1	.0009	-.0081	-.0022	.0211	.0001	.6515	-.0001	-.0004	.0177
#2	.0001	-.0312	-.0016	.0218	.0001	.6625	.0000	-.0002	.0174
#3	.0005	-.0023	-.0015	.0218	.0001	.6651	.0000	-.0002	.0180

Sample Name: MP33400-MB1 Acquired: 3/1/2018 13:02:50 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.0033	-0.0009	.0001	.0000	.0008	.0000	-0.002	.0001
Stddev	.000	.0132	.0010	.0001	.0001	.0030	.000	.0001	.0004
%RSD	388.4	397.8	106.4	98.81	595.2	386.6	89.60	37.44	444.6
#1	-0.001	.0102	-0.0008	.0000	.0001	.0025	-0.001	-0.002	.0002
#2	.0002	-0.0162	-0.0020	.0002	.0000	-0.0027	.0000	-0.001	-0.003
#3	-0.002	-0.0039	.0000	.0001	.0000	.0025	.0000	-0.002	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	.0018	.0101	-0.0074	.0000	-0.0005	.0057	.0004	.0002
Stddev	.0003	.0012	.0169	.0074	.0000	.0001	.0041	.0001	.0007
%RSD	79.69	65.43	168.3	99.68	992.6	18.36	72.50	35.76	390.4
#1	-0.001	.0005	.0097	.0001	.0000	-0.0005	.0020	.0003	-0.0006
#2	-0.003	.0023	-0.0067	-0.0147	.0000	-0.0005	.0102	.0003	.0007
#3	-0.006	.0028	.0271	-0.0076	.0000	-0.0007	.0050	.0005	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0018	.0063	.0001	.0000	-0.0001	-0.0014	-0.0002	-0.0001
Stddev	.0008	.0010	.0007	.0001	.0001	.0001	.0014	.0002	.0001
%RSD	157.7	54.80	11.56	109.7	157.7	139.0	98.39	81.27	88.46
#1	.0003	.0007	.0055	.0002	.0001	-0.0001	-0.0029	-0.0001	-0.0002
#2	.0014	.0026	.0063	.0000	.0000	.0000	-0.0005	-0.0002	-0.0001
#3	-0.002	.0023	.0069	.0002	-0.0001	-0.0001	-0.0007	-0.0004	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP33400-MB1 Acquired: 3/1/2018 13:02:50 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1704.3	4572.2	32312.	3861.8
Stddev	3.3	15.3	74.	17.4
%RSD	.19559	.33481	.23007	.45071
#1	1701.5	4573.7	32369.	3851.5
#2	1708.0	4586.7	32228.	3852.0
#3	1703.3	4556.2	32338.	3881.9

7.2
7

Sample Name: MP33400-B1 Acquired: 3/1/2018 13:07:22 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0509	28.89	2.048	2.087	.0530	26.38	.0521	5.206	2.181
Stddev	.0010	.04	.003	.004	.0002	.15	.0001	.0004	.0009
%RSD	1.878	.1317	.1597	.2029	.4121	.5751	.1426	.0799	.3907
#1	.0507	28.73	2.048	2.102	.0530	26.56	.0521	5.210	2.184
#2	.0500	28.86	2.051	2.096	.0532	26.28	.0522	5.206	2.186
#3	.0519	28.67	2.044	2.094	.0527	26.31	.0521	5.202	2.171

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2675	27.80	25.82	26.30	5.397	5.139	25.86	5.387	5.086
Stddev	.0008	.06	.18	.07	.0002	.0010	.07	.0012	.0026
%RSD	.3065	.2010	.7131	.2702	.0352	.1975	.2690	.2219	.5055
#1	2680	27.76	26.03	26.35	.5396	.5135	25.94	5.384	5.058
#2	2678	27.87	25.68	26.22	.5396	.5150	25.83	5.378	5.108
#3	2665	27.79	25.74	26.33	.5399	.5131	25.82	5.401	5.093

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.166	2.018	3.756	5.370	5.470	5.421	1.983	5.150	5.250
Stddev	.0020	.006	.0010	.0013	.0009	.0005	.005	.0017	.0005
%RSD	.3876	.2769	.2688	.2442	.1661	.0849	.2399	.3359	.0929
#1	5.162	2.014	3.763	5.367	5.461	5.416	1.985	5.159	5.244
#2	5.149	2.015	3.759	5.358	5.479	5.425	1.978	5.161	5.253
#3	5.188	2.024	3.744	5.384	5.470	5.421	1.987	5.130	5.252

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: MP33400-B1 Acquired: 3/1/2018 13:07:22 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1614.1	4440.0	31016.	3780.8
Stddev	2.8	7.3	52.	13.1
%RSD	.17490	.16357	.16874	.34553
#1	1616.1	4435.1	30956.	3765.7
#2	1615.5	4448.3	31054.	3788.5
#3	1610.9	4436.4	31037.	3788.2

Sample Name: FA51916-1 Acquired: 3/1/2018 13:11:36 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	-0.122	-0.044	-0.086	-0.001	1.784	-0.001	-0.002	-0.005
Stddev	.0002	.0166	.0007	.0003	.0001	.008	.0000	.0002	.0001
%RSD	176.7	135.3	15.10	3.681	60.32	.4443	30.26	133.9	23.13
#1	.0002	-0.184	-0.050	.0089	-0.002	1.789	-0.001	.0000	.0005
#2	.0001	-0.249	-0.045	.0085	-0.001	1.788	-0.001	-0.001	.0004
#3	-0.001	.0065	-0.037	.0083	-0.001	1.775	-0.001	-0.004	.0006
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0004	.0020	1.936	69.28	.0001	.0009	F 151.9	.0011	.0010
Stddev	.0006	.0024	.021	.07	.0000	.0001	.6	.0001	.0006
%RSD	136.4	118.5	1.101	.0960	41.14	8.965	.3966	13.04	62.63
#1	.0008	.0021	1.929	69.35	.0001	.0008	152.5	.0012	.0016
#2	-0.002	-0.044	1.959	69.22	.0002	.0008	152.1	.0010	.0009
#3	.0007	-0.004	1.918	69.28	.0001	.0009	151.3	.0010	.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0019	.0081	3.916	.0011	.0013	.0003	-0.061	-0.003	.0000
Stddev	.0003	.0011	.013	.0002	.0000	.0001	.0015	.0001	.000
%RSD	18.24	13.65	.3297	23.44	1.720	34.41	25.18	49.66	716.2
#1	.0020	.0079	3.906	.0011	.0013	.0004	-0.078	-0.004	-0.001
#2	.0015	.0071	3.913	.0008	.0013	.0004	-0.058	-0.003	-0.001
#3	.0021	.0093	3.931	.0013	.0014	.0002	-0.048	-0.001	.0001
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1606.4	4373.4	30352.	3809.6					
Stddev	1.6	2.9	62.	11.8					
%RSD	.10228	.06520	.20429	.30965					
#1	1604.6	4374.2	30423.	3796.0					
#2	1607.7	4375.8	30310.	3817.5					
#3	1607.0	4370.2	30323.	3815.2					

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Sample Name: MP33400-D1 Acquired: 3/1/2018 13:16:03 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	-0.084	-0.059	.0089	-0.001	1.792	-0.001	-0.002	-0.002
Stddev	.0002	.0057	.0008	.0002	.0001	.012	.0000	.0000	.0002
%RSD	203.0	67.68	14.18	1.882	126.0	.6697	59.38	11.71	69.70
#1	-0.001	-0.139	-0.067	.0089	.0000	1.784	-0.001	-0.002	.0001
#2	.0001	-0.088	-0.060	.0090	-0.002	1.806	.0000	-0.002	.0004
#3	.0003	-0.025	-0.050	.0087	-0.001	1.786	-0.001	-0.002	.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0007	.0009	1.985	69.19	.0001	.0008	F 152.0	.0009	.0014
Stddev	.0004	.0027	.020	.54	.0000	.0003	.4	.0002	.0002
%RSD	63.86	287.5	1.014	.7786	12.53	34.60	.2686	21.64	13.49
#1	.0011	-0.021	1.962	68.68	.0001	.0009	151.8	.0007	.0014
#2	.0002	.0031	1.998	69.76	.0001	.0005	152.4	.0011	.0012
#3	.0007	.0018	1.995	69.14	.0000	.0011	151.7	.0011	.0016
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0020	.0071	3.796	.0009	.0015	.0001	-0.067	-0.003	-0.002
Stddev	.0004	.0009	.004	.0002	.0001	.0001	.0011	.0002	.0000
%RSD	19.93	12.64	.1011	19.30	7.920	75.04	16.62	63.43	19.95
#1	.0025	.0067	3.792	.0008	.0016	.0001	-0.055	-0.002	-0.002
#2	.0017	.0066	3.797	.0011	.0016	.0002	-0.068	-0.002	-0.002
#3	.0020	.0082	3.799	.0008	.0014	.0000	-0.077	-0.005	-0.002
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1606.7	4374.4	30429.	3811.1					
Stddev	4.0	9.3	51.	11.3					
%RSD	25053	.21257	.16606	.29694					
#1	1607.8	4382.0	30382.	3821.1					
#2	1610.1	4377.1	30424.	3798.8					
#3	1602.3	4364.0	30483.	3813.5					

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7.2
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Sample Name: CCV Acquired: 3/1/2018 13:20:30 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.436	40.27	2.025	1.984	1.997	39.38	2.019	2.008	2.061
Stddev	.0010	.15	.006	.003	.004	.03	.002	.003	.006
%RSD	.4263	.3712	.2939	.1319	.2135	.0810	.0909	.1513	.3165
#1	.2429	40.10	2.032	1.983	1.993	39.37	2.021	2.011	2.056
#2	.2432	40.32	2.021	1.987	2.001	39.35	2.017	2.005	2.058
#3	.2448	40.39	2.023	1.982	1.997	39.41	2.018	2.007	2.068

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.014	40.55	39.19	40.07	2.051	2.032	39.60	1.988	1.996
Stddev	.012	.10	.05	.19	.003	.001	.02	.004	.004
%RSD	.5712	.2460	.1398	.4691	.1201	.0437	.0609	.2059	.2261
#1	2.002	40.45	39.24	39.96	2.058	2.031	39.61	1.993	1.995
#2	2.017	40.54	39.18	39.97	2.063	2.033	39.57	1.987	2.000
#3	2.024	40.65	39.13	40.29	2.062	2.033	39.62	1.985	1.991

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.023	2.025	2.018	2.031	2.042	2.009	1.986	2.055	2.038
Stddev	.006	.006	.004	.005	.003	.012	.002	.009	.004
%RSD	.2865	.2847	.2188	.2388	.1309	.5941	.1191	.4348	.1821
#1	2.030	2.031	2.022	2.036	2.039	1.996	1.988	2.052	2.042
#2	2.021	2.024	2.013	2.031	2.044	2.012	1.986	2.049	2.037
#3	2.019	2.019	2.017	2.026	2.042	2.019	1.984	2.066	2.035

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: CCV Acquired: 3/1/2018 13:20:30 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1603.7	4485.8	31458.	3888.2
Stddev	2.5	7.4	79.	17.2
%RSD	.15367	.16528	.25139	.44168
#1	1603.2	4478.1	31535.	3890.7
#2	1601.6	4492.8	31377.	3904.0
#3	1606.4	4486.5	31463.	3869.9

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Sample Name: CCB Acquired: 3/1/2018 13:24:41 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	-0.0041	.0007	.0005	.0001	-0.0053	.0002	.0000	-0.0002
Stddev	.0003	.0194	.0010	.0002	.0000	.0020	.0000	.0000	.0003
%RSD	55.40	478.7	146.1	35.87	38.56	37.47	25.54	1498.0	177.2
#1	.0003	-.0257	.0000	.0007	.0002	-.0030	.0001	.0001	.0002
#2	.0008	.0118	.0019	.0004	.0001	-.0066	.0002	.0001	-.0003
#3	.0003	.0017	.0002	.0004	.0001	-.0064	.0001	-.0001	-.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0037	.0177	-0.182	.0000	.0007	.0277	.0003	.0004
Stddev	.0003	.0044	.0332	.0135	.0000	.0003	.0141	.0002	.0007
%RSD	633.8	118.8	188.1	73.96	55.80	41.53	50.90	79.21	193.2
#1	-.0002	-.0013	.0445	-.0256	.0001	.0011	.0177	.0001	.0012
#2	-.0001	.0070	-.0195	-.0264	.0000	.0007	.0438	.0002	-.0001
#3	.0004	.0055	.0280	-.0027	.0000	.0005	.0215	.0005	.0000

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/1/2018 13:24:41 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1760.1	4688.1	32893.	3970.9
Stddev	2.0	11.2	90.	23.8
%RSD	.11240	.23820	.27335	.60046
#1	1757.8	4699.3	32877.	3990.2
#2	1760.8	4688.2	32812.	3944.3
#3	1761.6	4677.0	32990.	3978.2

7.2
7

Sample Name: MP33400-SD1 Acquired: 3/1/2018 13:29:09 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0012	-0.0799	-0.0085	.0081	.0001	1.736	.0000	-0.0009	-0.0009
Stddev	.0004	.0205	.0004	.0015	.0003	.007	.0004	.0007	.0021
%RSD	30.42	25.58	4.959	19.19	405.8	4.258	2190.	83.38	229.6
#1	.0016	-.0656	-.0080	.0087	.0001	1.744	-.0004	-.0008	.0003
#2	.0012	-.1034	-.0088	.0092	-.0002	1.730	.0000	-.0017	-.0033
#3	.0009	-.0708	-.0086	.0063	.0003	1.735	.0004	-.0002	.0003

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(In2306)
Avg	.0009	.0114	2.038	66.85	-0.006	-0.003	150.7	.0009	-0.0005
Stddev	.0007	.0133	.085	.35	.0001	.0007	5	.0005	.0021
%RSD	79.26	116.4	4.172	.5287	19.01	206.8	.3054	54.20	419.6
#1	.0001	.0219	2.107	67.25	-.0005	-.0011	151.3	.0004	-.0015
#2	.0010	.0159	2.063	66.74	-.0007	-.0004	150.5	.0010	.0019
#3	.0015	-.0035	1.943	66.57	-.0006	-.0004	150.5	.0014	-.0019

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	.0076	.0023	3.841	.0006	.0015	.0001	.0023	-.0016	.0480
Stddev	.0057	.0019	.020	.0003	.0009	.0007	.0081	.0010	.0004
%RSD	74.44	84.71	.5245	44.23	56.96	514.4	354.5	63.50	.7928
#1	.0046	.0032	3.863	.0004	.0025	-.0001	.0112	-.0007	.0479
#2	.0041	.0001	3.823	.0009	.0009	-.0009	-.0049	-.0027	.0477
#3	.0142	.0035	3.837	.0005	.0011	-.0004	.0006	-.0015	.0484

Sample Name: MP33400-S1 Acquired: 3/1/2018 13:33:39 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0508	28.10	2.083	2.075	.0524	27.53	.0515	.5121	2.156
Stddev	.0004	.13	.009	.007	.0001	.06	.0001	.0008	.0005
%RSD	.8546	.4533	.4480	.3459	.2185	.2305	.0973	.1506	.2227
#1	.0511	28.20	2.094	2.082	.0524	27.60	.0515	.5129	.2161
#2	.0510	28.16	2.076	2.075	.0523	27.51	.0514	.5113	.2154
#3	.0503	27.96	2.080	2.068	.0526	27.48	.0514	.5122	.2152

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(In2306)
Avg	.2664	27.24	27.64	94.43	.5283	.5106	175.7	.5283	.4969
Stddev	.0013	.14	.05	.45	.0009	.0010	.5	.0004	.0016
%RSD	.4901	.5068	.1810	.4809	.1624	.1885	.2883	.0827	.3255
#1	.2671	27.39	27.68	94.68	.5286	.5112	175.2	.5278	.4985
#2	.2672	27.13	27.64	93.91	.5273	.5095	176.2	.5287	.4953
#3	.2649	27.20	27.58	94.71	.5290	.5111	175.8	.5283	.4969

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.5156	2.144	4.856	5.253	.5365	.5343	1.934	5.081	5.178
Stddev	.0017	.008	.013	.0005	.0019	.0002	.002	.0003	.0007
%RSD	.3235	.3870	.2637	.0926	.3556	.0399	.1052	.0651	.1367
#1	.5145	2.152	4.871	5.249	.5384	.5344	1.932	5.083	5.169
#2	.5175	2.135	4.850	5.251	.5346	.5341	1.934	5.082	5.181
#3	.5148	2.144	4.848	5.258	.5364	.5344	1.936	5.077	5.182

Sample Name: MP33400-S2 Acquired: 3/1/2018 13:38:02 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0506	28.38	2.104	2.089	0526	27.61	0520	5.179	2.170
Stddev	0004	.14	.007	.006	.0001	.08	.0001	.0018	.0010
%RSD	.8799	.4863	.3341	.2813	.2275	.3041	.1131	.3541	.4775
#1	.0507	28.23	2.106	2.085	.0525	27.56	.0521	5.199	2.170
#2	.0501	28.50	2.109	2.096	.0526	27.71	.0521	5.173	2.160
#3	.0509	28.42	2.096	2.087	.0527	27.57	.0520	5.163	2.180
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2683	27.42	27.75	95.20	5350	5169	F 176.3	5332	4990
Stddev	.0009	.08	.09	.29	.0018	.0013	1.8	.0017	.0016
%RSD	.3251	.2841	.3393	.3082	.3457	.2462	1.034	.3202	.3293
#1	.2687	27.35	27.72	94.87	.5352	.5159	176.2	.5352	.5008
#2	.2673	27.50	27.85	95.30	.5331	.5183	178.1	.5324	.4987
#3	.2689	27.42	27.67	95.42	.5367	.5166	174.5	.5320	.4976
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5190	2.168	5.121	5.306	5408	5402	1.940	5.121	5.234
Stddev	.0003	.003	.016	.0003	.0013	.0029	.006	.0046	.0009
%RSD	.0660	.1280	.3184	.0542	.2353	.5412	.2899	.9076	.1680
#1	.5188	2.170	5.139	.5308	.5398	.5381	1.945	.5096	.5241
#2	.5194	2.169	5.116	.5306	.5422	.5389	1.941	.5092	.5224
#3	.5188	2.165	5.107	.5303	.5404	.5435	1.934	.5174	.5235
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1558.5	4313.2	30055.	3825.0					
Stddev	5.7	10.2	111.	32.8					
%RSD	.36291	.23737	.36965	.85672					
#1	1552.1	4301.9	30182.	3837.6					
#2	1560.4	4316.2	30005.	3787.8					
#3	1563.0	4321.7	29977.	3849.6					

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Sample Name: FA51882-10L Acquired: 3/1/2018 13:42:24 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0002	0087	-0005	0886	0000	34.66	0000	-0002	-0001
Stddev	.0002	.0152	.0005	.0003	.0000	.05	.0000	.0001	.0003
%RSD	143.7	173.6	103.2	.3121	95.17	.1511	632.6	36.55	398.3
#1	-0001	-0071	-0007	0883	0000	34.61	0000	-0001	0002
#2	.0003	.0232	-0008	0887	.0001	34.66	.0001	-0002	.0000
#3	.0003	.0102	.0001	0889	.0000	34.72	.0000	-0003	-0004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0021	0011	3222	3.484	0220	0004	F 156.3	0006	-0007
Stddev	.0004	.0013	.0285	.051	.0000	.0000	2.3	.0001	.0008
%RSD	19.77	112.1	8.832	1.476	.0801	3.799	1.460	18.35	111.4
#1	.0023	.0001	3548	3.449	.0219	.0004	157.5	.0005	-0015
#2	.0016	.0025	3021	3.460	.0220	.0004	157.8	.0007	-0001
#3	.0023	.0007	3097	3.543	.0220	.0004	153.7	.0007	-0005
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0005	0005	3449	0003	0999	0020	-0020	-0002	0029
Stddev	.0021	.0019	.0010	.0001	.0004	.0001	.0028	.0004	.0001
%RSD	387.4	356.1	2.785	30.90	.4336	5.854	139.4	181.1	2.164
#1	-0016	.0003	3457	.0003	.0998	.0021	.0009	.0001	.0030
#2	.0025	-0013	3451	.0004	.1004	.0018	-0047	-0006	.0029
#3	.0007	.0026	3438	.0002	.0995	.0020	-0024	-0001	.0029
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1607.3	4420.7	30499.	3810.9					
Stddev	1.6	7.6	162.	7.4					
%RSD	.09801	.17121	.53268	.19380					
#1	1609.0	4429.4	30661.	3819.4					
#2	1605.8	4416.1	30499.	3800.5					
#3	1607.0	4416.5	30336.	3807.2					

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7.2
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Sample Name: FA51881-1 Acquired: 3/1/2018 13:46:54 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0002	0088	-0009	4482	0000	285.2	0000	-0003	0045
Stddev	.0003	.0113	.0013	.0004	.000	2.9	.000	.0001	.0002
%RSD	163.4	129.2	150.0	.0912	142.1	1.014	313.2	35.00	5.503
#1	-0001	-0042	-0023	.4484	.0000	288.0	-0001	-0003	.0047
#2	.0002	.0165	.0000	.4485	.0000	282.3	.0000	-0003	.0046
#3	.0004	.0140	-0003	.4477	-0001	285.3	.0000	-0005	.0042
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0001	0009	12.43	-0230	-0001	0021	39.75	0002	0003
Stddev	.0001	.0040	.07	.0071	.0000	.0001	.11	.0002	.0005
%RSD	83.33	470.0	.5298	31.00	41.14	2.539	2.795	111.8	162.2
#1	-0001	.0044	12.50	-0183	-0001	.0021	39.80	.0002	-0002
#2	-0001	-0035	12.38	-0195	.0000	.0022	39.62	.0004	.0003
#3	.0000	.0017	12.40	-0312	-0001	.0021	39.82	.0000	.0009
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0011	0001	0487	0000	5063	0015	-0011	-0003	-0009
Stddev	.0014	.0009	.0014	.000	.0009	.0001	.0015	.0004	.0001
%RSD	128.1	600.2	2.779	1377.0	.1803	7.748	138.1	125.3	5.948
#1	-0004	-0005	.0481	.0003	.5067	.0014	.0004	-0006	-0008
#2	.0014	-0003	.0478	-0005	.5052	.0014	-0026	-0004	-0009
#3	.0023	.0012	.0503	.0002	.5069	.0016	-0011	.0001	-0009
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1577.1	4298.8	30059.	3776.2					
Stddev	5.4	6.3	142.	26.5					
%RSD	.34536	.14671	.47331	.70058					
#1	1570.9	4298.6	30015.	3747.6					
#2	1580.7	4305.2	30218.	3799.9					
#3	1579.8	4292.6	29944.	3781.2					

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Sample Name: FA51893-1 Acquired: 3/1/2018 13:51:30 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0003	0294	-0018	8774	-0001	277.2	-0001	-0004	0054
Stddev	.0002	.0101	.0006	.0049	.0001	1.6	.0000	.0000	.0001
%RSD	78.67	34.50	34.67	.5537	76.74	.5936	50.06	9.284	1.834
#1	.0003	.0282	-0011	8731	-0002	275.3	-0001	-0004	.0053
#2	.0005	.0400	-0022	8827	.0000	278.2	-0001	-0004	.0055
#3	.0001	.0199	-0021	8764	-0001	278.0	.0000	-0004	.0055
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0016	-0012	27.32	-0068	-0001	0044	64.43	0002	0343
Stddev	.0001	.0025	.12	.0188	.0000	.0000	.32	.0001	.0014
%RSD	9.588	206.6	.4367	296.1	54.90	1.118	.5005	51.36	4.131
#1	.0014	.0011	27.19	.0134	-0001	.0043	64.07	.0001	.0350
#2	.0017	-0038	27.36	-0240	.0000	.0044	64.69	.0002	.0351
#3	.0016	-0009	27.42	-0084	-0001	.0043	64.52	.0003	.0326
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0011	0005	0483	0001	5307	0014	-0025	-0001	0092
Stddev	.0018	.00							

Sample Name: FA51918-1 Acquired: 3/1/2018 13:55:59 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.0466	-0.016	-0.1819	-0.000	260.3	0.000	-0.0004	0.0228
Stddev	.0003	.0222	.0005	.0017	.000	1.5	.000	.0000	.0002
%RSD	314.3	47.68	31.34	.9092	613.8	.5679	314.1	8.583	6.958
#1	.0003	.0252	-0.0021	-.1805	.0001	258.8	.0000	-0.0004	.0027
#2	.0002	.0695	-0.0013	-.1815	-0.0002	260.3	.0000	-0.0003	.0026
#3	-0.0003	.0451	-0.0013	-.1837	.0000	261.7	-0.0001	-0.0004	.0030
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0203	-0.0002	9.846	-0.0073	-0.001	0.027	21.37	0.008	0.001
Stddev	.0005	.0011	.072	.0077	.0000	.0003	.08	.0001	.0005
%RSD	2.241	517.4	.7299	105.6	34.44	9.731	.3565	18.00	426.4
#1	.0204	-0.0002	9.782	-0.107	.0001	.0027	21.29	.0007	-0.0003
#2	.0198	-0.0013	9.833	.0015	.0001	.0024	21.38	.0007	.0001
#3	.0207	.0008	9.924	-0.127	.0000	.0029	21.44	.0009	.0006
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0013	0.0002	0.0496	-0.0002	0.2282	0.0016	-0.0021	-0.0001	0.0003
Stddev	.0007	.0022	.0026	.0006	.0012	.0002	.0005	.0001	.0001
%RSD	53.39	889.2	5.277	224.2	.5247	11.98	21.42	92.45	42.32
#1	.0020	-0.0017	.0526	-0.0008	.2269	.0014	-0.0022	.0000	.0002
#2	.0006	-0.0001	.0486	.0003	.2284	.0018	-0.0017	-0.0001	.0002
#3	.0013	.0026	.0476	-0.0002	.2293	.0015	-0.0026	-0.0002	.0004
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1576.6	4299.9	29993.	3723.8					
Stddev	5.9	2.2	138.	7.1					
%RSD	.37198	.05216	.45911	.19096					
#1	1574.8	4302.4	29951.	3730.0					
#2	1571.8	4298.1	30147.	3716.0					
#3	1583.1	4299.3	29881.	3725.3					

Sample Name: MP33400-D2 Acquired: 3/1/2018 14:00:27 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	-0.0009	-0.0019	0.881	-0.001	34.56	0.001	-0.0002	0.0003
Stddev	.0005	.0142	.0008	.0009	.0000	.05	.0000	.0000	.0003
%RSD	217.7	1566.	42.71	1.054	30.93	.1505	64.16	17.39	100.5
#1	-0.0003	-0.0034	-0.0014	0.885	-0.001	34.60	.0000	-0.0002	.0004
#2	.0006	.0144	-0.0028	0.871	-0.0001	34.50	.0001	-0.0002	.0004
#3	.0003	-0.0137	-0.0015	0.888	-0.0001	34.59	.0000	-0.0002	.0000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0021	-0.0034	3.392	3.431	0.219	0.002	157.3	0.009	0.006
Stddev	.0006	.0027	.0063	.025	.0001	.0002	.8	.0000	.0004
%RSD	29.65	79.49	1.857	.7193	.3452	95.03	5.263	5.127	62.97
#1	.0015	.0056	3.371	3.403	.0219	.0000	158.0	.0010	.0009
#2	.0021	.0041	3.463	3.442	.0219	.0002	156.4	.0009	.0002
#3	.0028	.0004	3.343	3.449	.0218	.0004	157.5	.0009	.0008
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	0.000	0.0011	3.356	0.002	0.992	0.000	-0.009	-0.003	0.030
Stddev	.0018	.0034	.0022	.0003	.0005	.0001	.0008	.0002	.0001
%RSD	453.4	319.3	65.10	185.0	.5074	2.572	92.54	76.48	1.969
#1	.0019	-0.0028	3.368	.0000	.0995	.0020	-0.011	-0.001	.0030
#2	-0.0002	.0024	3.369	-0.001	.0986	.0019	-0.016	-0.002	.0030
#3	-0.0016	.0036	3.331	.0005	.0995	.0019	-0.000	-0.006	.0031
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1598.9	4407.6	30363.	3796.2					
Stddev	2.4	7.6	182.	9.0					
%RSD	.14867	.17146	.60093	.23684					
#1	1601.2	4413.5	30512.	3794.1					
#2	1599.2	4410.3	30417.	3806.1					
#3	1596.4	4399.1	30159.	3788.5					

7.2
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Sample Name: MP33400-D3 Acquired: 3/1/2018 14:04:56 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.0219	-0.0012	0.8633	-0.0001	272.7	0.000	-0.0004	0.0053
Stddev	.000	.0014	.0004	.0043	.0000	1.5	.000	.0001	.0004
%RSD	16200.	6.480	34.16	.4998	61.71	.5500	137.5	28.53	7.826
#1	.0004	.0235	-0.0013	.8592	-0.001	271.7	.0000	-0.0003	.0057
#2	.0000	.0209	-0.0008	.8678	-0.001	274.4	-0.001	-0.0006	.0049
#3	-0.0004	.0212	-0.0016	.8630	.0000	271.9	-0.001	-0.0004	.0052
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0008	-0.0001	28.24	-0.0124	-0.0001	0.041	63.48	0.006	0.182
Stddev	.0005	.0012	.13	.0289	.0001	.0001	.35	.0003	.0006
%RSD	63.51	1118.	.5021	233.7	124.8	3.013	.5544	45.14	3.451
#1	.0008	-0.0001	26.11	.0081	-0.0001	.0041	63.21	.0006	.0188
#2	.0012	.0011	26.37	.0002	.0000	.0042	63.88	.0008	.0175
#3	.0003	-0.0013	26.26	-0.0454	.0000	.0040	63.36	.0003	.0183
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	0.016	0.002	0.0597	0.003	5.188	0.016	-0.014	0.001	0.024
Stddev	.0004	.0011	.0007	.0006	.0038	.0001	.0009	.0002	.0000
%RSD	22.56	448.2	1.159	.2229	.7311	5.544	68.94	161.2	1.503
#1	.0014	.0004	.0605	.0000	.5158	.0016	-0.0005	.0004	.0024
#2	.0013	.0013	.0594	-0.0002	.5231	.0015	-0.0023	.0000	.0025
#3	.0020	-0.0009	.0593	.0010	.5176	.0017	-0.0013	.0000	.0024
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1562.6	4279.9	29807.	3741.1					
Stddev	3.0	4.6	101.	34.3					
%RSD	.19004	.10800	.33986	.91712					
#1	1559.2	4276.3	29694.	3761.0					
#2	1564.7	4285.1	29891.	3701.5					
#3	1563.9	4278.3	29834.	3760.9					

Sample Name: MP33400-MB2 Acquired: 3/1/2018 14:09:24 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	-0.0048	-0.0011	0.0002	0.000	0.064	0.000	-0.0001	0.001
Stddev	.0003	.0063	.0003	.0004	.000	.0012	.000	.0002	.0003
%RSD	109.6	131.3	22.75	183.0	365.3	18.59	208.6	132.9	507.8
#1	-0.0005	-0.004	-0.0010	-0.0002	-0.0001	.0069	-0.001	.0000	.0004
#2	.0000	-0.0120	-0.0010	.0002	.0000	.0050	.0000	-0.0003	.0001
#3	-0.0002	-0.0020	-0.0014	.0006	.0000	.0071	.0000	-0.0001	-0.0003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0004	-0.0009	3.583	-0.046	0.000	-0.005	185.0	0.006	0.000
Stddev	.0003	.0017	.0512	.0084	.0001	.0001	2.8	.0002	.002
%RSD	77.33	188.6	14.28	182.5	299.2	19.41	1.522	29.09	6732.
#1	.0001	-0.0005	3.713	-0.100	.0001	-0.004	187.9	.0007	-0.0012
#2									

Sample Name: CCV Acquired: 3/1/2018 14:14:03 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2461	40.74	2.017	2.018	2.027	40.10	2.019	2.017	2.054
Stddev	.0017	.07	.004	.001	.005	.08	.001	.002	.004
%RSD	.7032	.1759	.2205	.0487	.2724	.1903	.0478	.0851	.2021

#1	2458	40.66	2.021	2.019	2.022	40.03	2.020	2.018	2.053
#2	2445	40.75	2.012	2.017	2.025	40.18	2.018	2.015	2.058
#3	2479	40.81	2.018	2.018	2.033	40.09	2.019	2.018	2.050

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.021	40.75	40.11	40.48	2.048	2.038	40.19	2.007	1.993
Stddev	.010	.06	.11	.20	.005	.002	.06	.003	.009
%RSD	.5147	.1487	.2836	.4915	.2679	.0887	.1574	.1380	.4782

#1	2.010	40.72	40.12	40.28	2.046	2.039	40.19	2.008	1.996
#2	2.031	40.81	40.23	40.68	2.054	2.035	40.25	2.004	1.982
#3	2.021	40.70	40.00	40.48	2.044	2.039	40.13	2.010	2.000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.021	2.024	1.998	2.052	2.074	2.032	1.992	2.058	2.050
Stddev	.002	.005	.001	.003	.007	.007	.014	.010	.002
%RSD	.0999	.2257	.0564	.1456	.3455	.3236	.7195	.4752	.1143

#1	2.022	2.023	1.999	2.052	2.078	2.025	2.008	2.055	2.052
#2	2.019	2.019	1.997	2.054	2.066	2.036	1.979	2.069	2.047
#3	2.023	2.028	1.997	2.048	2.079	2.036	1.990	2.050	2.049

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 3/1/2018 14:14:03 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1598.9	4495.3	31372	3854.9
Stddev	6.8	5.0	122	12.8
%RSD	.42748	.11162	.38886	.33269

#1	1593.8	4492.0	31513	3863.3
#2	1606.6	4501.1	31306	3861.2
#3	1596.1	4492.9	31297	3840.1

7.2
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Sample Name: CCB Acquired: 3/1/2018 14:18:16 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	-0.013	.0003	.0002	.0001	-0.007	.0001	-0.001	.0000
Stddev	.0005	.0184	.0007	.0001	.0001	.0035	.0001	.0001	.0001
%RSD	244.1	1275.	217.0	65.47	75.26	496.9	47.66	163.9	2547.

#1	-0.004	.0061	.0002	.0001	.0001	-0.041	.0001	-0.002	-0.001
#2	.0004	-0.0200	.0011	.0001	.0001	.0030	.0001	.0000	.0001
#3	-0.006	.0101	-0.003	.0003	.0000	-0.010	.0002	.0000	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0025	.0450	.0066	.0000	.0009	.0256	.0000	.0000
Stddev	.0003	.0022	.0252	.0425	.0000	.0002	.0068	.0002	.001
%RSD	543.4	88.95	55.99	639.4	326.0	18.39	26.63	1433.	8176.

#1	.0004	.0014	.0244	.0001	.0000	.0010	.0236	.0000	-0.0007
#2	-0.001	.0051	.0730	-0.322	.0000	.0011	.0200	-0.002	-0.003
#3	-0.002	.0011	.0375	.0521	.0000	.0008	.0332	.0002	.0010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0018	.0008	.0001	.0002	.0004	.0012	.0002	-0.0005
Stddev	.0009	.0015	.0005	.0007	.0001	.0001	.0007	.0002	.0001
%RSD	823.1	82.56	68.69	502.5	41.48	17.16	59.78	77.09	18.45

#1	.0000	.0034	.0008	.0009	.0002	.0005	.0011	.0003	-0.0004
#2	-0.010	.0013	.0012	.0001	.0001	.0004	.0005	.0003	-0.0005
#3	.0008	.0006	.0002	-0.0005	.0002	.0004	.0019	.0000	-0.0006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/1/2018 14:18:16 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1757.8	4709.4	33087.	3950.4
Stddev	5.3	4.7	36.	33.3
%RSD	.30159	.10034	.11007	.84393

#1	1763.6	4714.8	33046.	3985.3
#2	1753.2	4707.0	33115.	3918.8
#3	1756.6	4706.3	33100.	3947.3

Sample Name: MP33400-B2 Acquired: 3/1/2018 14:22:45 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0512	28.42	2.059	2.093	0530	26.33	0519	5.148	2.148
Stddev	0013	05	002	003	0005	07	0001	0006	0013
%RSD	2.614	0.1665	0.0893	0.1641	0.8617	0.2594	0.2757	0.1238	0.6155
#1	0523	28.41	2.057	2.095	0535	26.41	0517	5.152	2.143
#2	0497	28.47	2.061	2.094	0526	26.29	0520	5.141	2.163
#3	0517	28.37	2.058	2.089	0527	26.28	0520	5.152	2.138

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2649	27.46	26.58	25.77	5299	5.109	208.9	5.340	5.061
Stddev	0005	017	06	23	0005	0008	2.6	0005	0010
%RSD	0.1773	0.6269	0.2136	0.8970	0.0903	0.1540	1.258	0.0888	0.2050
#1	2649	27.66	26.53	26.03	5304	5.105	208.0	5.335	5.053
#2	2644	27.38	26.56	25.64	5299	5.119	206.8	5.341	5.058
#3	2654	27.34	26.64	25.62	5295	5.105	211.8	5.345	5.073

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5152	2.044	4.001	5.329	5.462	5.416	1.970	5.070	5.248
Stddev	0021	001	0008	0010	0014	0012	006	0021	0011
%RSD	0.4104	0.0568	0.1984	0.1951	0.2554	0.2254	0.3252	0.4232	0.2130
#1	5176	2.042	4.010	5.322	5.478	5.407	1.963	5.095	5.245
#2	5138	2.044	4.000	5.325	5.454	5.430	1.975	5.061	5.239
#3	5142	2.045	3.994	5.341	5.454	5.412	1.972	5.055	5.261

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1553.2	4370.6	30195.	3783.7
Stddev	3.5	8.4	6.	17.0
%RSD	0.22749	0.19162	0.02107	0.44961
#1	1551.1	4362.1	30202.	3783.2
#2	1557.2	4378.8	30189.	3801.0
#3	1551.1	4371.0	30194.	3767.0

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Sample Name: MP33400-MB3 Acquired: 3/1/2018 14:27:05 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0000	0031	-0.023	-0.001	0000	0018	-0.001	-0.002	0000
Stddev	000	0079	0006	0003	000	0021	0000	0001	000
%RSD	504.6	255.6	27.32	596.4	1835.	118.9	45.57	26.47	875.7
#1	0002	0071	-0.029	0003	-0.001	0006	-0.001	-0.003	-0.003
#2	-0.002	0082	-0.024	-0.003	0000	0005	-0.001	-0.002	0004
#3	-0.002	-0.060	-0.017	-0.002	0001	0042	0000	-0.002	-0.002

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.003	0014	0400	-0.168	0000	-0.003	0000	-0.053	0004
Stddev	0001	0029	0208	0076	000	0001	0001	0008	0005
%RSD	44.37	209.2	52.09	45.42	37.98	30.41	15.75	49.75	159.0
#1	-0.004	-0.018	0568	-0.089	0000	-0.004	0555	0002	0002
#2	-0.002	0037	0464	-0.241	0000	-0.002	0639	0004	-0.004
#3	-0.003	0022	0167	-0.175	0000	-0.004	0465	0006	-0.008

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0021	0031	0044	-0.003	0000	0000	-0.009	-0.002	0000
Stddev	0001	0023	0006	0002	000	0001	0014	0001	000
%RSD	6.174	72.42	14.37	90.35	1376.	253.3	152.1	43.19	141.0
#1	0022	0046	0043	-0.005	-0.002	0000	0007	-0.002	-0.001
#2	0020	0043	0038	-0.002	0001	0002	-0.017	-0.003	-0.001
#3	0021	0005	0051	0000	0000	0000	-0.018	-0.001	0000

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1703.3	4570.5	32324.	3853.9
Stddev	3.7	3.5	148.	24.9
%RSD	0.21920	0.07571	0.45744	0.64588
#1	1706.4	4568.2	32421.	3843.9
#2	1699.1	4574.4	32154.	3835.5
#3	1704.2	4568.7	32398.	3882.2

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7.2
7

Sample Name: MP33400-B3 Acquired: 3/1/2018 14:31:35 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0501	28.26	2.000	2.079	0523	26.08	0510	5.102	2.144
Stddev	0005	03	020	005	0002	04	0005	0041	0044
%RSD	0.9421	0.1025	0.9814	0.2520	0.3652	0.1351	1.058	0.8112	2.048
#1	0501	28.25	2.022	2.076	0522	26.07	0516	5.150	2.138
#2	0505	28.30	1.991	2.085	0521	26.12	0508	5.079	2.191
#3	0496	28.24	1.986	2.077	0525	26.05	0507	5.077	2.104

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2627	27.32	25.70	25.84	5305	5.017	25.75	5.292	4951
Stddev	0055	08	11	01	0116	0044	14	0039	0043
%RSD	2.101	0.3018	0.4208	0.4777	2.192	0.8764	0.5410	0.7433	0.8717
#1	2605	27.34	25.58	25.85	5304	5.067	25.72	5.338	4997
#2	2689	27.38	25.73	25.83	5422	4.987	25.90	5.268	4.947
#3	2586	27.22	25.80	25.85	5190	4.996	25.63	5.271	4.911

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5074	1.986	3650	5.249	5.367	5.345	1.941	5.017	5.129
Stddev	0034	020	0034	0045	0012	0106	015	0108	0036
%RSD	0.6664	0.9911	0.9221	0.8536	0.2268	1.986	0.7870	2.152	0.7064
#1	5112	2.009	3688	5.301	5.355	5.350	1.958	5.030	5.171
#2	5061	1.977	3639	5.224	5.379	5.449	1.939	5.118	5.115
#3	5049	1.973	3624	5.222	5.367	5.237	1.927	4.903	5.103

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1627.7	4477.8	31112.	3801.2
Stddev	10.1	34.3	574.	25.2
%RSD	0.62269	0.76682	1.8454	0.66421
#1	1616.1	4438.2	31093.	3782.9
#2	1632.2	4497.0	30548.	3797.0
#3	1634.7	4498.2	31696.	3830.0

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Sample Name: MP33401-MB1 Acquired: 3/1/2018 14:35:49 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Units	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg		-0.002	0105	-0.016	0002	0000	0286	0000	-0.003	0008
Stddev		0003	0107	0002	0001	000	0057	0001	0001	0003
%RSD		116.8	101.9	14.32	30.18	291.6	19.83	619.8	46.85	37.70
#1		-0.006	0052	-0.015	0002	0000	0313	0000	-0.003	0010
#2		-0.002	0035	-0.018	0002	0001	0221	-0.001	-0.004	0009
#3		0000	0228	-0.014	0001	-0.001	0323	0000	-0.001	0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

High Limit
Low Limit

Elem	Units	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg		-0.001	0304	0429	-0.182	0004	-0.003	0475	0007	0004
Stddev		0002	0063	0193	0234	0000	0002	0120	0003	0009
%RSD		158.8	20.67	44.95	128.5	9.767	53.75	25.27	43.68	234.2
#1		-0.002	0312	0630	-0.234	0004	-0.002	0349	0004	-0.002
#2</										

Sample Name: MP33401-MB1 Acquired: 3/1/2018 14:35:49 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1744.3	4680.3	33169.	3957.7
Stddev	3.0	3.1	153.	26.4
%RSD	.17216	.06643	.46181	.66771
#1	1745.6	4679.2	33185.	3980.4
#2	1740.8	4678.0	33009.	3928.7
#3	1746.4	4683.9	33314.	3963.8

Sample Name: MP33401-B1 Acquired: 3/1/2018 14:40:19 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0491	27.99	1.981	2.063	.0517	26.04	.0510	.5079	2129
Stddev	.0007	.08	.004	.004	.0005	.12	.0001	.0007	.0005
%RSD	1.437	.2837	.1805	.2121	.9346	.4430	.2425	.1366	.2403
#1	.0487	28.04	1.978	2.068	.0519	26.16	.0511	.5078	2134
#2	.0499	27.90	1.985	2.059	.0512	25.93	.0510	.5086	2130
#3	.0487	28.04	1.980	2.063	.0521	26.04	.0508	.5072	2124

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2599	27.08	25.65	25.62	.5279	.5036	25.71	.5258	4937
Stddev	.0014	.08	.18	.18	.0008	.0002	.13	.0016	.0013
%RSD	.5260	.3129	.7056	.6880	.1533	.0363	.5099	.3117	.2654
#1	.2592	27.03	25.86	25.81	.5286	.5036	25.84	.5255	4949
#2	.2615	27.02	25.55	25.46	.5281	.5038	25.58	.5276	4923
#3	.2590	27.17	25.54	25.58	.5270	.5034	25.71	.5244	4938

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.983	1.947	.3616	.5471	.5351	.5350	1.928	4.970	.5105
Stddev	.0014	.003	.0033	.0004	.0023	.0019	.006	.0010	.0001
%RSD	.2734	.1457	.9046	.0721	.4359	.3631	.3364	.2012	.0233
#1	4.981	1.950	.3593	.5469	.5362	.5332	1.934	4.967	.5105
#2	4.970	1.948	.3653	.5476	.5324	.5371	1.921	4.982	.5106
#3	4.997	1.944	.3601	.5468	.5366	.5349	1.930	4.962	.5104

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value
 Range

7.2
7

Sample Name: MP33401-B1 Acquired: 3/1/2018 14:40:19 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1620.3	4472.1	31057.	3771.2
Stddev	5.7	8.8	73.	36.4
%RSD	.35446	.19644	.23471	.96534
#1	1615.1	4475.6	31101.	3732.1
#2	1619.2	4462.1	30972.	3804.0
#3	1626.5	4478.5	31096.	3777.6

Sample Name: FA52070-1 Acquired: 3/1/2018 14:44:31 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.016	60.96	.3083	.4047	.0055	9.829	.0004	.0637	.0555
Stddev	.0002	.26	.0009	.0018	.0000	.010	.0000	.0003	.0006
%RSD	10.27	.4233	.2903	.4451	.5618	.0979	8.311	.5404	1.151
#1	-0.014	61.14	.3087	.4062	.0055	9.824	.0004	.0640	.0559
#2	-0.018	61.07	.3090	.4051	.0055	9.822	.0003	.0637	.0558
#3	-0.017	60.67	.3073	.4027	.0055	9.840	.0004	.0633	.0547

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.3567	36.16	2.628	4.039	2.009	.0007	1.847	.0671	2755
Stddev	.0031	.12	.008	.011	.018	.0001	.0062	.0005	.0023
%RSD	.8760	.3260	.2905	.2778	.9217	9.428	3.335	.7900	.8456
#1	.3601	36.27	2.617	4.052	2.026	.0008	1.827	.0676	2779
#2	.3563	36.18	2.629	4.030	2.011	.0008	1.916	.0672	2733
#3	.3539	36.03	2.631	4.036	1.990	.0007	1.797	.0665	2753

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0006	-0.020	1.275	.0143	.0756	.3057	-0.043	.0684	.4528
Stddev	.0010	.0010	.004	.0003	.0003	.0018	.0034	.0007	.0015
%RSD	170.8	49.70	.3362	1.908	.3327	.5826	78.94	1.071	.3266
#1	.0018	-0.031	1.280	.0146	.0758	.3068	-0.072	.0687	.4537
#2	.0002	-0.011	1.273	.0143	.0755	.3067	-0.006	.0689	.4536
#3	-0.002	-0.019	1.273	.0140	.0753	.3036	-0.050	.0675	.4511

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1672.3	7227.9	50169.	6065.4
Stddev	6.7	19.3	296.	16.1
%RSD	.39798	.26749	.58921	.26550
#1	1667.7	7206.3	49893.	6078.5
#2	1679.9	7243.6	50132.	6070.2
#3	1669.3	7233.7	50481.	6047.4

Sample Name: MP33401-D1 Acquired: 3/1/2018 14:48:51 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0019	64.14	2926	4194	0056	10.02	0004	0662	0580
Stddev	.0002	.37	.0006	.0022	.0000	.03	.0000	.0001	.0003
%RSD	9.794	.5828	.2035	.5328	.4586	.2694	8.872	.1868	.4764

#1	-0019	64.18	2927	4192	0056	10.01	0004	0661	0581
#2	-0020	64.49	2931	4218	0057	10.05	0003	0661	0583
#3	-0017	63.75	2919	4173	0056	10.00	0004	0663	0577

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2605	37.72	2.736	4.191	2.105	0008	1825	0696	2332
Stddev	.0007	.25	.014	.029	.010	.0000	.0060	.0003	.0010
%RSD	.2583	.6677	.5212	.6981	.4856	4.032	3.276	.4675	.4134

#1	.2610	37.82	2.720	4.225	2.113	.0008	.1759	.0700	.2333
#2	.2608	37.90	2.743	4.173	2.093	.0008	.1876	.0694	.2321
#3	.2598	37.43	2.746	4.175	2.107	.0007	.1839	.0694	.2341

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0004	-0024	1.241	0.145	0.0781	3058	-0045	0.723	4.486
Stddev	.0006	.0003	.005	.0001	.0003	.0007	.0017	.0001	.0007
%RSD	166.3	10.71	.3743	.3953	.3835	2.242	37.99	.1132	.1523

#1	.0007	-0.0027	1.236	.0144	.0780	.3060	-0.0038	.0724	4.488
#2	.0008	-0.0023	1.245	.0145	.0785	.3065	-0.0033	.0723	4.490
#3	-0.0003	-0.0022	1.241	.0145	.0779	.3052	-0.0065	.0722	4.478

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1673.6	7332.0	5065.1	6203.8
Stddev	2.6	10.2	145.	38.1
%RSD	.15464	.13874	.28556	.61358

#1	1675.4	7339.0	50638.	6160.3
#2	1670.6	7320.3	50514.	6220.4
#3	1674.8	7336.6	50803.	6230.8

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Sample Name: MP33401-SD1 Acquired: 3/1/2018 14:53:12 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0020	87.74	4499	5877	0080	14.36	0004	0928	0798
Stddev	.0006	.81	.0081	.0015	.0005	.10	.0003	.0007	.0017
%RSD	29.15	.9281	1.794	.2589	6.140	.6762	70.20	.7194	2.131

#1	-0017	88.65	4584	5890	0081	14.46	.0002	.0925	.0813
#2	-0016	87.09	4424	5881	.0084	14.36	.0002	.0924	.0779
#3	-0026	87.47	4488	5860	.0074	14.26	.0007	.0936	.0801

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5285	52.92	4.010	5.860	2.964	-0015	3967	1009	2833
Stddev	.0036	.24	.250	.029	.012	.0005	.0241	.0008	.0028
%RSD	.6785	.4519	6.239	.4875	.4139	31.01	6.063	.7522	.9739

#1	5278	53.08	3.739	5.844	2.967	-0.020	.3881	.1003	.2820
#2	5324	53.02	4.233	5.843	2.975	-0.013	.3782	.1006	.2815
#3	5254	52.64	4.057	5.893	2.951	-0.011	.4239	.1017	.2865

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0020	0019	1.915	0.195	1.089	4428	0030	0.991	7.022
Stddev	.0036	.0034	.010	.0019	.0012	.0013	.0089	.0007	.0006
%RSD	175.5	179.3	.5069	9.798	1.129	.2949	292.0	.6582	.0897

#1	.0021	.0056	1.914	.0174	.1094	.4413	.0036	.0992	.7029
#2	-0.0036	.0010	1.906	.0199	.1098	.4439	.0116	.0997	.7018
#3	-0.0046	-0.0010	1.925	.0212	.1075	.4431	-0.061	.0984	.7018

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1760.4	5291.6	36733.	4492.2
Stddev	8.4	21.1	96.	19.8
%RSD	.47631	.39889	.26240	.44034

#1	1754.8	5283.4	36735.	4470.1
#2	1770.1	5315.6	36636.	4508.2
#3	1756.5	5275.8	36829.	4498.5

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Sample Name: MP33401-PS1 Acquired: 3/1/2018 14:57:33 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0312	61.55	3700	5578	0372	12.78	0316	0942	0872
Stddev	.0008	.33	.0016	.0028	.0005	.06	.0001	.0005	.0009
%RSD	2.551	.5386	.4258	.5101	1.214	.4834	.2547	.5801	1.030

#1	.0312	61.55	.3683	.5563	.0371	12.74	.0315	.0937	.0863
#2	.0305	61.22	.3714	.5559	.0368	12.75	.0317	.0948	.0881
#3	.0321	61.88	.3704	.5610	.0377	12.85	.0316	.0943	.0872

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	4173	37.31	8.745	7.134	2.019	0598	6.360	1301	3203
Stddev	.0015	.13	.064	.035	.004	.0003	.041	.0007	.0016
%RSD	.3667	.3398	.7277	.4928	.2091	.4909	.6390	.5087	.4935

#1	4157	37.35	8.684	7.094	2.018	.0600	6.340	1293	3188
#2	4174	37.16	8.740	7.160	2.023	.0595	6.334	1305	3219
#3	4188	37.40	8.811	7.148	2.015	.0598	6.407	1305	3201

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0614	0555	1.305	0.449	1058	3684	0899	0994	6094
Stddev	.0004	.0003	.003	.0003	.0005	.0007	.0020	.0001	.0018
%RSD	.6897	.4790	.2346	.7154	.5171	.1963	2.248	.1132	.3028

#1	.0609	.0552	1.303	.0446	.1062	.3692	.0918	.0995	6074
#2	.0616	.0556	1.309	.0450	.1052	.3681	.0901	.0994	6110
#3	.0618	.0558	1.303	.0452	.1061	.3678	.0878	.0993	6099

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1651.5	7145.4	4941.5	6104.3
Stddev	3.4	14.4	245.	10.6
%RSD	.20463	.20131	.49575	.17429

#1	1653.4	7147.7	4945.7	6115.7
#2	1647.6	7130.0	4915.2	6102.7
#3	1653.4	7158.5	4963.6	6094.6

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Sample Name: MP33401-S1 Acquired: 3/1/2018 15:01:51 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0280	102.4	1.441	1.704	0372	25.85	0310	3738	2023
Stddev	.0005	.3	.004	.004	.0003	.11	.0001	.0010	.0005
%RSD	1.736	.3112	.2602	.2271	.8547	.4226	.3555	.2577	.2497

#1	.0275	102.3	1.446	1.701	.0372	25.84	.0311	.3748	.2028
#2	.0284	102.8	1.439	1.708	.0375	25.96	.0310	.3736	.2021
#3	.0281	102.2	1.440	1.702	.0368	25.75	.0309	.3729	.2018

Sample Name: CCV Acquired: 3/1/2018 15:06:11 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2440	39.73	1.999	1.999	1.982	39.72	2.011	2.008	2.023
Stddev	.0024	.26	.006	.013	.017	.38	.005	.007	.024
%RSD	.9676	.6643	.2812	.6287	.8312	.9469	.2448	.3341	1.182
#1	2419	39.55	2.000	1.990	1.976	39.59	2.008	2.008	1.997
#2	2465	40.03	1.994	2.014	2.001	40.14	2.008	2.002	2.044
#3	2435	39.61	2.005	1.993	1.970	39.43	2.017	2.015	2.029

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.988	39.82	39.97	39.53	2.029	2.022	40.03	1.997	1.976
Stddev	.021	.28	.30	.36	.024	.009	.19	.011	.002
%RSD	1.046	.6936	.7422	.9004	1.166	.4311	.4776	.5410	.0809
#1	1.966	39.66	39.90	39.38	2.003	2.022	39.90	2.001	1.974
#2	2.007	40.14	40.30	39.93	2.049	2.013	40.25	1.985	1.977
#3	1.992	39.66	39.72	39.27	2.034	2.031	39.94	2.005	1.976

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.013	2.003	1.986	2.040	2.036	2.015	1.981	2.016	2.033
Stddev	.007	.006	.009	.009	.013	.024	.006	.021	.009
%RSD	.3621	.3018	.4275	.4410	.6165	1.174	.2883	1.040	.4370
#1	2.012	2.004	1.983	2.039	2.030	1.990	1.987	1.992	2.033
#2	2.006	1.996	1.979	2.032	2.050	2.036	1.977	2.031	2.025
#3	2.021	2.008	1.995	2.050	2.027	2.020	1.978	2.026	2.042

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 3/1/2018 15:06:11 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1604.6	4516.8	31621.	3916.8
Stddev	7.6	18.6	285.	40.2
%RSD	.47672	.41280	.90049	1.0261
#1	1602.3	4520.6	31886.	3920.3
#2	1613.1	4533.2	31320.	3875.0
#3	1598.3	4496.5	31656.	3955.1

7.2
7

Sample Name: CCB Acquired: 3/1/2018 15:10:24 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-0.0092	.0002	.0002	.0000	-0.0046	.0001	.0000	-0.0001
Stddev	.0002	.0303	.0005	.0003	.0001	.0011	.0000	.000	.0003
%RSD	96.74	328.5	203.6	132.5	12570.	24.07	47.54	321.7	188.2
#1	.0002	.0227	.0007	-0.0001	-0.0001	-0.0034	.0001	.0000	-0.0004
#2	.0004	-0.0377	-0.0002	.0005	.0000	-0.0055	.0002	-0.0002	.0001
#3	.0000	-0.0128	.0002	.0003	.0001	-0.0050	.0001	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.0034	.0606	-0.0089	.0000	.0008	.0178	.0002	-0.0003
Stddev	.0001	.0008	.0163	.0102	.0001	.0004	.0020	.0001	.0014
%RSD	77.70	23.97	26.91	114.3	251.6	45.44	11.25	39.69	530.5
#1	-0.0002	.0039	.0791	.0023	.0000	.0012	.0162	.0003	.0013
#2	.0000	.0038	.0545	-0.0115	.0000	.0009	.0201	.0002	-0.0013
#3	-0.0002	.0024	.0483	-0.0175	.0001	.0004	.0172	.0001	-0.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-0.0005	.0009	.0001	.0002	.0004	.0016	.0001	-0.0005
Stddev	.0005	.0014	.0005	.0001	.0000	.0000	.0003	.0001	.0001
%RSD	256.1	294.3	53.35	107.0	7.014	12.55	19.08	68.39	18.83
#1	-0.0002	-0.0012	.0013	.0003	.0002	.0004	.0019	.0001	-0.0005
#2	.0001	-0.0014	.0008	.0000	.0002	.0004	.0013	.0002	-0.0004
#3	.0008	.0011	.0004	.0001	.0002	.0003	.0017	.0001	-0.0006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/1/2018 15:10:24 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1766.7	4739.2	33080.	3915.5
Stddev	3.4	15.3	85.	23.3
%RSD	.19177	.32350	.25567	.59473
#1	1766.9	4736.8	33009.	3939.4
#2	1770.0	4755.6	33057.	3892.8
#3	1763.2	4725.2	33173.	3914.4

Sample Name: MP33401-S2 Acquired: 3/1/2018 15:14:52 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.297	101.1	1.481	1.742	0.383	26.33	0.316	3.806	2027
Stddev	0.006	.4	.005	.003	.0002	.08	0.001	0.007	0.002
%RSD	1.858	.3810	.3084	.1859	.5495	.2882	.2167	.1857	.0827

#1	0.302	101.1	1.486	1.744	0.384	26.35	0.316	3.813	2028
#2	0.298	100.7	1.477	1.738	0.381	26.25	0.315	3.799	2028
#3	0.291	101.5	1.479	1.743	0.385	26.40	0.316	3.807	2025

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	4.725	56.53	19.38	21.37	2.278	29.69	16.35	4.039	7.193
Stddev	0.006	.22	.03	.09	.029	0.010	.04	0.011	0.026
%RSD	.1214	.3964	.1537	.4421	1.272	.3294	.2347	.2730	.3574

#1	4.731	56.48	19.36	21.40	2.250	.2979	16.35	4.051	7.223
#2	4.724	56.33	19.36	21.26	2.308	.2959	16.32	4.029	7.180
#3	4.720	56.77	19.41	21.44	2.276	.2969	16.40	4.036	7.177

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.271	1.174	1.481	3.277	4.265	5.881	1.883	3.979	8.628
Stddev	0.014	.005	.004	.0010	.0007	.0005	.005	.0005	.0014
%RSD	1.067	.4151	.2716	.3071	.1542	.0839	.2887	.1167	.1654

#1	1.286	1.178	1.485	3.266	4.272	5.886	1.889	3.978	8.638
#2	1.268	1.169	1.478	3.277	4.262	5.882	1.878	3.975	8.612
#3	1.260	1.175	1.479	3.286	4.260	5.876	1.883	3.984	8.635

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1588.1	7070.6	48280.0	5978.5
Stddev	.6	5.3	97.	31.5
%RSD	.04084	.07521	.20055	.52625

#1	1588.6	7071.1	48367.	6002.3
#2	1588.4	7075.6	48175.	5990.5
#3	1587.4	7065.1	48297.	5942.9

Sample Name: FA52070-2 Acquired: 3/1/2018 15:19:13 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.020	66.55	1.600	4.728	0.062	11.99	0.005	0.665	0.628
Stddev	0.003	.06	.007	.0019	.0000	.02	0.000	0.002	0.003
%RSD	14.27	.0843	.4417	.4074	.5088	.1662	8.604	.2511	.5061

#1	-0.024	66.50	1.603	4.712	0.063	11.97	0.005	0.666	0.627
#2	-0.019	66.61	1.606	4.749	0.062	12.01	0.005	0.665	0.631
#3	-0.019	66.54	1.592	4.723	0.062	12.00	0.004	0.663	0.625

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.310	41.39	3.391	4.579	2.285	0.009	1.747	0.731	1.425
Stddev	0.005	.04	.024	.035	.015	0.001	0.017	0.001	0.012
%RSD	1.571	.0994	.6936	.7713	.6500	9.402	.9880	.1743	.8387

#1	0.307	41.35	3.379	4.538	2.296	.0009	1.767	0.731	1.422
#2	0.315	41.44	3.376	4.596	2.268	.0008	1.736	0.729	1.439
#3	0.306	41.39	3.418	4.602	2.292	.0010	1.738	0.732	1.416

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.048	-0.029	1.171	0.142	0.080	3.181	-0.043	0.736	2.212
Stddev	0.016	.0004	.002	.0001	.0003	.0014	.0005	.0004	.0004
%RSD	32.15	13.29	.1934	1.043	.3056	.4433	12.64	.4757	1.707

#1	0.065	-0.030	1.168	0.141	0.083	3.187	-0.049	0.739	2.216
#2	0.046	-0.033	1.173	0.144	0.081	3.164	-0.038	0.732	2.208
#3	0.034	-0.025	1.171	0.141	0.084	3.190	-0.043	0.736	2.211

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1662.4	7559.5	51903.	6287.4
Stddev	6.9	18.8	136.	22.9
%RSD	.41265	.24813	.26178	.36439

#1	1656.7	7537.9	52032.	6310.4
#2	1660.3	7572.0	51914.	6264.6
#3	1670.0	7568.5	51761.	6287.0

7.2
7

Sample Name: FA52070-3 Acquired: 3/1/2018 15:23:41 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.028	93.72	0.296	5.897	0.049	7.830	0.010	0.678	1.134
Stddev	0.003	.34	.0007	.0016	.0000	.057	0.001	0.001	0.009
%RSD	10.22	.3638	2.358	.2738	.5552	.7314	6.101	.1219	8.068

#1	-0.025	94.11	0.288	5.915	0.049	7.891	0.010	0.679	1.134
#2	-0.031	93.48	0.298	5.893	0.049	7.822	0.009	0.678	1.125
#3	-0.029	93.57	0.302	5.884	0.048	7.777	0.010	0.677	1.143

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.258	71.48	4.095	6.461	9.467	0.013	1.734	0.672	1.862
Stddev	0.002	.38	.016	.045	.0023	.0002	.0044	0.001	0.016
%RSD	8.537	.5360	.3909	.6951	.2426	12.20	2.553	.1878	8.357

#1	0.259	71.92	4.093	6.500	9.489	0.013	1.784	0.673	1.879
#2	0.255	71.19	4.112	6.412	9.443	0.012	1.715	0.671	1.848
#3	0.255	71.34	4.081	6.471	9.470	0.015	1.702	0.673	1.861

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.005	-0.045	1.356	0.149	0.660	4.818	-0.054	1.572	1.615
Stddev	0.004	.0007	.007	.0002	.0000	.0006	.0013	.0005	.0002
%RSD	80.58	15.79	.5463	1.251	0.266	.1203	24.01	.3185	.1048

#1	0.009	-0.039	1.365	0.149	0.660	4.819	-0.066	1.567	1.616
#2	0.004	-0.044	1.350	0.152	0.660	4.822	-0.040	1.576	1.613
#3	0.001	-0.053	1.354	0.148	0.660	4.811	-0.056	1.575	1.616

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1663.9	6717.7	46024.	5647.1
Stddev	8.4	9.8	201.	35.4
%RSD	.50291	.14606	.43698	.62608

#1	1664.4	6708.6	45795.	5606.3
#2	1671.9	6728.1	46105.	5667.0
#3	1655.2	6716.5	46172.	5668.1

Sample Name: FA52070-4 Acquired: 3/1/2018 15:28:01 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.036	171.6	0.317	8.089	0.044	10.31	0.006	0.371	1.992
Stddev	0.003	.5	.0004	.0011	.0001	.05	0.000	0.002	0.010
%RSD	8.071	.2778	1.104	.1385	1.649	.4975	2.991	.4123	5.214

#1	-0.039	172.0	0.314	8.102	0.045
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Sample Name: FA52070-5 Acquired: 3/1/2018 15:32:20 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0026	80.39	6998	4381	0035	24.79	0006	0418	1043
Stddev	.0001	.14	.0037	.0006	.0001	.09	.0001	.0002	.0005
%RSD	5.759	.1782	.5335	.1338	1.455	.3662	12.34	.4240	.4869

#1	-0025	80.23	6990	4375	0036	24.75	0006	0420	1042
#2	-0025	80.44	7039	4384	0035	24.72	0007	0419	1038
#3	-0028	80.51	6965	4385	0035	24.89	0006	0416	1048

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0186	63.68	5.153	5.948	7739	0013	2522	0470	1130
Stddev	.0003	.15	.059	.001	.0025	.0001	.0055	.0003	.0022
%RSD	1.775	.2378	1.155	.0152	.3224	3.991	2.188	.7267	1.929

#1	0189	63.50	5.125	5.949	7767	0014	2462	0471	1150
#2	0183	63.73	5.113	5.947	7731	0013	2533	0472	1133
#3	0187	63.79	5.222	5.949	7719	0013	2570	0466	1106

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0041	-0021	1.640	0173	1232	4668	-0020	1430	1333
Stddev	.0007	.0005	.003	.0003	.0003	.0013	.0008	.0002	.0005
%RSD	16.84	22.08	.2049	1.953	.2291	.2736	39.20	.1342	.4005

#1	0047	-0024	1.642	0176	1230	4672	-0011	1432	1336
#2	0033	-0015	1.642	0172	1235	4679	-0024	1428	1337
#3	0043	-0022	1.636	0170	1230	4654	-0025	1431	1327

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1660.2	5848.9	39977.	4897.2
Stddev	5.6	24.7	81.	33.0
%RSD	.33754	.42268	.20287	.67429

#1	1660.4	5837.8	39987.	4920.6
#2	1654.4	5831.6	39891.	4911.4
#3	1665.6	5877.2	40052.	4859.4

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0280	93.02	5.870	9.012	5016	0026	2835	0961	1371
Stddev	.0004	.29	.034	.076	.0008	.0001	.0004	.0002	.0016
%RSD	1.548	.3096	.6034	.8438	.1559	5.271	.1487	.1633	1.163

#1	0276	92.82	5.638	8.931	5009	0024	2833	0961	1356
#2	0284	92.90	5.706	9.024	5025	0026	2840	0960	1387
#3	0282	93.35	5.666	9.082	5014	0027	2832	0963	1369

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0140	-0049	1.608	0165	0890	6468	-0037	2159	1745
Stddev	.0013	.0008	.005	.0002	.0005	.0014	.0012	.0011	.0002
%RSD	9.173	17.26	.3515	1.467	.5236	.2240	32.50	.5217	.1407

#1	0154	-0047	1.613	0167	0886	6456	-0038	2150	1744
#2	0129	-0058	1.608	0162	0889	6484	-0024	2156	1743
#3	0137	-0042	1.602	0165	0895	6463	-0047	2172	1747

Sample Name: FA52070-6 Acquired: 3/1/2018 15:36:39 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0025	100.7	2254	4237	0045	12.01	0039	0488	1228
Stddev	.0002	.4	.006	.0025	.0000	.03	.0000	.0001	.0005
%RSD	9.233	.4447	.2892	.5825	.4846	.2470	.7716	.1918	.4119

#1	-0026	100.7	2259	4215	.0045	12.01	.0039	.0488	1233
#2	-0022	101.1	2247	4263	.0045	12.04	.0039	.0489	1228
#3	-0027	100.2	2256	4232	.0045	11.98	.0039	.0488	1223

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0446	69.91	4.521	6.206	5659	0020	2240	0769	2866
Stddev	.0004	.28	.022	.012	.0043	.0001	.0076	.0002	.0007
%RSD	9.198	.3941	.4859	.1902	.7592	2.608	3.385	.2160	2.539

#1	0443	69.93	4.502	6.208	.5696	.0021	2161	.0771	2861
#2	0451	70.18	4.515	6.217	.5670	.0020	2246	.0769	2875
#3	0446	69.63	4.545	6.193	.5612	.0021	2313	.0768	2863

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0282	-0036	1.601	0213	0756	4498	0089	1607	2689
Stddev	.0004	.0009	.001	.0006	.0004	.0020	.0007	.0013	.0003
%RSD	1.321	25.92	.0632	2.974	.4646	.4363	7.641	.7919	1.072

#1	0283	-0035	1.601	0220	.0758	.4507	.0082	1604	2687
#2	0278	-0027	1.600	.0208	.0758	.4512	.0091	1621	2692
#3	0285	-0046	1.601	0211	.0752	.4476	.0095	1596	2689

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1654.4	6084.6	41687.	5079.1
Stddev	2.3	6.8	362.	17.5
%RSD	.13771	.11131	.86723	.34407

#1	1654.2	6082.1	41577.	5073.0
#2	1656.8	6092.3	41393.	5065.6
#3	1652.2	6079.5	42091.	5098.9

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0052	222.7	1.335	8559	0086	18.33	-0009	0772	2326
Stddev	.0003	.4	.005	.0021	.0001	.06	.0001	.0002	.0020
%RSD	5.898	.1682	.3901	.2461	.9597	.3016	14.90	.1958	.8596

#1	-0053	222.5	1.332	8535	.0086	18.27	-0010	0770	2306
#2	-0055	223.1	1.341	8575	.0085	18.32	-0010	0773	2327
#3	-0049	222.5	1.331	8566	.0085	18.38	-0008	0773	2346

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0211	177.9	6.608	11.21	4445	0059	3631	1349	1805
Stddev	.0001	.2	.020	.06	.0014	.0000	.0044	.0003	.0011
%RSD	.5920	.1274	.3056	.5500	.3060	.7015	1.214	.1957	.5886

#1	0212	177.9	6.624	11.14	4430	0060	3619	1346	1801
#2	0211	178.2	6.615	11.25	4450	.0059	3679	1351	1796
#3	0209	177.7	6.585	11.23	.4456	.0059	3594	1351	1817

Sample Name: FA52070-9 Acquired: 3/1/2018 15:49:32 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.044	138.4	3249	5891	0.056	10.63	-0.008	0.439
Stddev	.0001	.1	.0004	.0003	.0002	.02	.0000	.0001
%RSD	3.395	.1051	.1094	.0502	2.857	.1651	4.616	.1765

#1	-0.045	138.2	3251	5893	0.056	10.61	-0.008	0.440
#2	-0.043	138.5	3245	5892	0.057	10.65	-0.008	0.439
#3	-0.043	138.4	3251	5887	0.054	10.63	-0.007	0.438

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	2120	0209	134.4	5.866	8.819	3.656	0.039	2.587
Stddev	.0009	.0002	.2	.051	.036	.0002	.0002	.0040
%RSD	.4084	.8854	.1227	.8721	.4055	.0640	4.183	1.529

#1	.2128	.0211	134.4	5.816	8.842	3.658	.0037	2.628
#2	.2122	.0207	134.6	5.919	8.836	3.656	.0040	2.582
#3	.2111	.0210	134.3	5.863	8.777	3.654	.0038	2.550

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	0.788	1.903	0.053	F-.0107	1.469	0.821	0.0821	5.848
Stddev	.0003	.0026	.0011	.0011	.002	.0005	.0002	.0011
%RSD	.3348	1.341	20.19	10.40	.1075	2.762	.2460	.1923

#1	0.787	.1884	.0055	-.0111	1.468	.0164	.0820	5.858
#2	0.791	.1892	.0042	-.0095	1.470	.0158	.0820	5.836
#3	0.786	.1932	.0063	-.0116	1.467	.0167	.0823	5.851

Elem	Tl1908	V_2924	Zn2062
IS Ref	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.039	2.946	1.705
Stddev	.0033	.0009	.0003
%RSD	84.30	.2892	.1869

#1	-0.005	2.945	1.708
#2	-0.042	2.955	1.705
#3	-0.070	2.938	1.702

Sample Name: FA52070-9 Acquired: 3/1/2018 15:49:32 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1642.5	6491.3	44319.	5443.8
Stddev	2.4	14.1	129.	20.9
%RSD	.14850	.21745	.29068	.38458

#1	1643.3	6502.8	44447.	5429.2
#2	1639.8	6475.5	44320.	5434.4
#3	1644.5	6495.6	44190.	5467.8

7.2
7

Sample Name: FA52070-10 Acquired: 3/1/2018 15:53:50 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.040	165.9	3.363	8.318	0.077	14.40	-0.004	0.827	1.649
Stddev	.0001	.4	.015	.0026	.0001	.03	.0000	.0003	.0003
%RSD	3.668	.2417	.4338	.3158	.8651	.1762	13.40	4.054	1.546

#1	-0.041	165.9	3.356	8.323	0.076	14.37	-0.004	0.829	1.648
#2	-0.038	166.2	3.379	8.341	0.077	14.42	-0.003	0.830	1.652
#3	-0.041	165.4	3.353	8.289	0.077	14.41	-0.004	0.824	1.647

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.210	121.6	6.139	9.325	1.621	0.031	2.853	0.951	1.754
Stddev	.0004	.2	.014	.052	.003	.0001	.0028	.0001	.0019
%RSD	1.693	.2027	.2326	.5535	.1839	2.245	1.047	.0940	1.091

#1	0.208	121.4	6.147	9.267	1.619	0.032	2.860	0.950	1.732
#2	0.208	121.9	6.149	9.366	1.625	0.030	2.876	0.952	1.766
#3	0.214	121.5	6.123	9.341	1.620	0.030	2.822	0.950	1.763

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.376	-0.081	1.457	0.155	1.072	4.959	-0.047	2.719	1.516
Stddev	.0008	.0010	.007	.0001	.0003	.0015	.0004	.0004	.0001
%RSD	2.150	11.92	.4682	.6780	.2515	.3082	9.524	.1383	.0813

#1	0.385	-0.090	1.454	0.155	1.072	4.942	-0.044	2.716	1.517
#2	0.373	-0.071	1.465	0.156	1.075	4.970	-0.052	2.717	1.515
#3	0.369	-0.083	1.452	0.154	1.070	4.966	-0.045	2.723	1.518

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1621.5	7270.9	49469.	6131.8
Stddev	6.8	25.3	174.	37.5
%RSD	.41866	.34835	.35184	.61202

#1	1629.3	7295.9	49615.	6164.1
#2	1618.3	7245.3	49276.	6090.6
#3	1616.9	7271.4	49516.	6140.6

Sample Name: CCV Acquired: 3/1/2018 15:58:08 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem Units	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.475	40.72	1.994	2.038	2.042	40.63	2.006	2.015	2.058
Stddev	.0012	.06	.011	.011	.012	.14	.010	.008	.005
%RSD	4.689	.1357	.5664	.5313	.5671	.3434	.5139	.3758	.2229

#1	2.486	40.67	2.004	2.037	2.035	40.57	2.018	2.023	2.063
#2	2.463	40.71	1.982	2.050	2.055	40.79	2.000	2.011	2.059
#3	2.476	40.78	1.996	2.028	2.036	40.53	1.999	2.010	2.053

Elem Units	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.030	40.54	40.71	40.93	2.044	2.032	40.14	2.021	1.985
Stddev	.006	.09	.19	.21	.003	.009	.07	.005	.009
%RSD	.3063	.2196	.4711	.5217	.1262	.4160	.1681	.2741	.4597

#1	2.031	40.48	40.62	40.73	2.042	2.041	40.16	2.027	1.994
#2	2.024	40.49	40.94	41.16	2.047	2.026	40.20	2.018	1.984
#3	2.036	40.64	40.59	40.89	2.042	2.027	40.07	2.017	1.976

Elem Units	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.003	2.007	1.980	2.056	2.093	2.057	1.978	2.079	2.063
Stddev	.010	.011	.009	.009	.007	.005	.008	.002	.009
%RSD	4.849	5.288	4.494	4.143	.3477	.2298	.4218	.1055	.4105

#1	2.015	2.019	1.989	2.066	2.089	2.058	1.988	2.079	2.072
#2	1.998	2.001	1.971	2.053	2.101	2.052	1.972	2.076	2.061
#3	1.998	2.000	1.980	2.050	2.088	2.062	1.975	2.081	2.055

Elem Units	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.003	2.007	1.980	2.056	2.093	2.057	1.978	2.079	2.063
Stddev	.010	.011	.009	.009	.007	.005	.008	.002	.009
%RSD	4.849	5.288	4.494	4.143	.3477	.2298	.4218	.1055	.4105

#1	2.015	2.019	1.989	2.066	2.089	2.058	1.988	2.079	2.072
#2	1.998	2.001	1.971	2.053	2.101	2.052	1.972	2.076	2.061
#3	1.998	2.000	1.980	2.050	2.088	2.062	1.975	2.081	2.055

Elem Units	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.003	2.007	1.980	2.056	2.093	2.057	1.978	2.079	2.063
Stddev	.010								

Sample Name: CCV Acquired: 3/1/2018 15:58:08 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1592.6	4505.5	31315.	3808.5
Stddev	5.7	13.9	58.	19.3
%RSD	.35580	.30899	.18510	.50771

#1	1587.0	4490.4	31269.	3809.6
#2	1592.5	4508.2	31297.	3827.3
#3	1598.4	4517.9	31380.	3788.7

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Sample Name: CCB Acquired: 3/1/2018 16:02:22 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-0.0055	.0013	.0003	.0000	-0.0028	.0001	-0.0001	-0.0002
Stddev	.0007	.0167	.0005	.0002	.0001	.0019	.0000	.0000	.0001
%RSD	791.5	305.0	36.62	82.19	363.2	67.50	28.89	8.030	41.31

#1	.0008	-0.0238	.0008	.0004	.0000	-0.0030	.0001	-0.0001	-0.0001
#2	-0.0005	.0090	.0017	.0000	.0000	-0.0046	.0001	-0.0001	-0.0003
#3	.0000	-0.0017	.0015	.0003	.0001	-0.0008	.0001	-0.0001	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0026	.0330	-0.0163	.0000	.0007	.0114	.0000	-0.0003
Stddev	.0002	.0031	.0304	.0044	.0001	.0003	.0095	.000	.0007
%RSD	3059.	118.9	91.99	27.16	650.0	43.99	83.46	420.0	257.6

#1	.0002	.0005	.0247	-0.0116	.0001	.0010	.0080	-0.0002	.0002
#2	.0001	.0012	.0667	-0.0204	.0000	.0009	.0221	.0001	-0.0010
#3	-0.0002	.0062	.0077	-0.0171	.0000	.0004	.0040	-0.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0009	.0008	-0.0003	.0001	.0003	.0019	.0002	-0.0005
Stddev	.0015	.0012	.0001	.0003	.0001	.0001	.0012	.0002	.0006
%RSD	366.5	131.9	6.265	93.03	56.49	28.54	63.43	98.76	12.81

#1	-0.0003	-0.0003	.0008	.0000	.0002	.0003	.0024	.0005	-0.0004
#2	.0022	.0021	.0009	-0.0005	.0001	.0002	.0005	.0000	-0.0005
#3	-0.0006	.0009	.0008	-0.0004	.0001	.0003	.0027	.0002	-0.0006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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7.2
7

Sample Name: CCB Acquired: 3/1/2018 16:02:22 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1759.7	4737.7	32743.	3856.5
Stddev	8.5	14.0	99.	22.6
%RSD	.48434	.29632	.30120	.58607

#1	1752.6	4735.2	32724.	3841.1
#2	1769.1	4752.8	32850.	3882.5
#3	1757.3	4725.0	32656.	3845.9

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Sample Name: FA52070-11 Acquired: 3/1/2018 16:06:51 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0034	142.8	2.534	.7278	.0060	12.68	-0.0004	.0504	.1492
Stddev	.0001	.3	.011	.0016	.0000	.02	.0001	.0001	.0008
%RSD	4.159	.2230	.4165	.2183	.6465	.1423	13.50	.1187	.5508

#1	-0.0035	142.8	2.543	.7273	.0061	12.69	-0.0003	.0503	.1498
#2	-0.0035	142.4	2.538	.7265	.0061	12.66	-0.0004	.0505	.1495
#3	-0.0032	143.1	2.522	.7296	.0060	12.69	-0.0004	.0503	.1483

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0215	99.74	5.849	8.266	.6682	.0027	.2547	.0784	.1340
Stddev	.0003	.16	.040	.027	.0012	.0000	.0034	.0003	.0006
%RSD	1.596	.1623	.7080	.3242	.1856	1.422	1.350	.4341	.4457

#1	.0212	99.84	5.621	8.293	.6691	.0027	.2508	.0780	.1347
#2	.0216	99.56	5.631	8.265	.6688	.0027	.2569	.0784	.1336
#3	.0219	99.83	5.695	8.240	.6668	.0027	.2564	.0787	.1338

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0315	-0.0051	1.652	.0166	.0992	.5389	-0.0045	.2326	.1338
Stddev	.0010	.0006	.002	.0004	.0001	.0017	.0037	.0007	.0002
%RSD	3.052	11.12	.1058	2.551	.0770	.3115	81.21	.3162	.1269

#1	.0311	-0.0045	1.653	.0171	.0992	.5369	-0.0027	.2319	.1339
#2	.0326	-0.0051	1.653	.0163	.0993	.5400	-0.0021	.2333	.1336
#3	.0308	-0.0056	1.650	.0165	.0992	.5397	-0.0088	.2325	.1340

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Sample Name: FA52070-12 Acquired: 3/1/2018 16:11:08 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0063	116.0	3108	3618	0059	F 2080.	0036	0700
Stddev	.0003	.5	.0006	.0006	.0001	.9	.0002	.0001
%RSD	4.352	.3907	.1859	.1602	2.038	.4538	6.139	.1275

#1	-0066	116.4	.3106	.3613	.0059	2085.	.0039	.0699
#2	-0060	115.9	.3115	.3624	.0059	2070.	.0036	.0700
#3	-0062	115.5	.3104	.3616	.0057	2087.	.0034	.0701

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	3342	1105	F 414.2	27.86	37.60	1.858	0.172	13.25
Stddev	.0010	.0004	4.6	.03	.18	.004	.0003	.04
%RSD	.3065	.3286	1.099	.1112	.4692	.2025	1.697	.3373

#1	.3330	.1106	409.3	27.89	37.79	1.854	.0175	13.28
#2	.3346	.1101	414.9	27.83	37.45	1.859	.0169	13.28
#3	.3349	.1108	418.3	27.85	37.55	1.862	.0171	13.20

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	2171	1305	0095	F -.0514	2.517	0.155	F 6.607	1.022
Stddev	.0004	.0020	.0012	.0031	.004	.0004	.069	.001
%RSD	.1987	1.540	12.54	5.979	.1793	2.448	1.045	.0913

#1	.2169	.1304	.0086	-.0478	2.512	.0158	6.669	1.021
#2	.2176	.1326	.0090	-.0527	2.520	.0151	6.533	1.022
#3	.2167	.1286	.0108	-.0535	2.520	.0157	6.621	1.023

Elem	Tl1908	V_2924	Zn2062
IS Ref	(In2306)	(Y_3600)	(Y_2243)
Avg	-0019	2832	4620
Stddev	.0027	.0008	.0009
%RSD	143.7	.2732	.1983

#1	.0013	.2825	.4626
#2	-.0034	.2840	.4625
#3	-.0035	.2829	.4609

Sample Name: FA52070-12 Acquired: 3/1/2018 16:11:08 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1320.2	4920.2	33889.	4461.6
Stddev	2.5	3.9	107.	28.9
%RSD	.19200	.08001	.31493	.64694

#1	1319.3	4920.0	33993.	4431.0
#2	1318.3	4924.3	33779.	4488.3
#3	1323.1	4916.4	33896.	4465.4

7.2
7

Sample Name: FA52070-13 Acquired: 3/1/2018 16:15:50 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0051	135.0	1513	3858	0046	F 2302.	0245	0364
Stddev	.0004	.5	.0017	.0020	.0000	.13	.0001	.0002
%RSD	7.743	.4011	1.150	.5216	.2205	.5769	.3970	.5574

#1	-.0047	135.6	.1493	.3881	.0046	2308.	.0244	.0362
#2	-.0053	134.6	.1520	.3850	.0046	2287.	.0245	.0364
#3	-.0054	134.9	.1525	.3843	.0046	2311.	.0246	.0366

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	3048	0871	244.7	20.34	29.40	1.607	0.099	19.10
Stddev	.0007	.0004	1.2	.03	.20	.004	.0003	.04
%RSD	.2365	.4479	.4993	.1606	.6642	.2759	3.497	.1883

#1	.3043	.0873	245.6	20.36	29.47	1.612	.0102	19.14
#2	.3056	.0866	243.3	20.30	29.18	1.604	.0095	19.10
#3	.3045	.0873	245.2	20.36	29.56	1.606	.0099	19.07

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	1059	1276	0011	F -.0330	2.676	0.172	F 7.214	8615
Stddev	.0005	.0003	.0007	.0028	.006	.0005	.111	.0011
%RSD	.4301	.2708	59.09	8.339	.2077	2.712	1.535	.1295

#1	.1064	.1280	.0014	-.0299	2.674	.0168	7.221	8615
#2	.1057	.1275	.0016	-.0351	2.672	.0177	7.101	8604
#3	.1057	.1273	.0004	-.0340	2.682	.0172	7.322	8626

Elem	Tl1908	V_2924	Zn2062
IS Ref	(In2306)	(Y_3600)	(Y_2243)
Avg	-0004	3058	2894
Stddev	.0016	.0016	.0007
%RSD	360.8	.5384	.2353

#1	-.0006	.3053	.2896
#2	.0012	.3045	.2901
#3	-.0020	.3077	.2887

Sample Name: FA52070-13 Acquired: 3/1/2018 16:15:50 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1311.5	4628.7	31805.	4202.3
Stddev	3.9	2.6	105.	48.2
%RSD	.29739	.05630	.32982	1.1478

#1	1315.6	4631.5	31715.	4184.4
#2	1307.9	4628.0	31920.	4257.0
#3	1310.9	4626.5	31780.	4165.7

Sample Name: FA52060-5 Acquired: 3/1/2018 16:20:24 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	.0003	95.94	.0173	.0799	.0008	13.45	.0022	.0012	.1493
Stddev	.0008	.12	.0007	.0002	.0000	.06	.0000	.0001	.0011
%RSD	260.2	.1206	4.081	.2364	3.627	4.244	1.967	11.11	.7559

#1	-.0005	96.08	.0165	.0801	.0008	13.40	.0022	.0014	.1498
#2	.0004	95.88	.0175	.0798	.0008	13.51	.0022	.0012	.1480
#3	.0010	95.87	.0179	.0798	.0008	13.44	.0022	.0011	.1501

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.2273	49.25	.7454	2.279	.3088	.0078	.4376	.0187	.0571
Stddev	.0009	.11	.0227	.023	.0006	.0002	.0067	.0001	.0004
%RSD	4.164	.2155	3.044	1.003	1.939	2.034	1.525	.3809	.6688

#1	.2264	49.35	.7587	2.252	.3093	.0076	.4301	.0188	.0567
#2	.2283	49.14	.7192	2.292	.3090	.0079	.4396	.0187	.0574
#3	.2272	49.26	.7583	2.292	.3082	.0079	.4430	.0188	.0573

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0004	-.0003	2.047	.0220	.0904	.6567	-.0021	.0991	.5034
Stddev	.0010	.0019	.001	.0006	.0005	.0025	.0003	.0001	.0009
%RSD	220.0	606.0	.0633	2.783	.5952	.3865	12.98	.0725	.1798

#1	-.0012	-.0002	2.048	.0227	.0902	.6539	-.0021	.0991	.5026
#2	-.0007	-.0022	2.046	.0220	.0900	.6589	-.0023	.0992	.5033
#3	.0006	.0015	2.047	.0214	.0910	.6574	-.0018	.0991	.5044

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1677.0	4685.8	32023.	3856.6
Stddev	3.2	9.3	76.	25.2
%RSD	.18798	.19929	.23869	.65414

#1	1680.7	4695.1	32103.	3878.7
#2	1675.0	4685.7	31951.	3829.1
#3	1675.5	4676.5	32015.	3862.1

Sample Name: FA52073-1 Acquired: 3/1/2018 16:24:44 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 50.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Avg	.0178	32.85	.4112	1.144	.0015	989.2	-.0250	.0920
Stddev	.0155	.94	.0236	.015	.0017	3.0	.0029	.0103
%RSD	86.98	2.854	5.743	1.267	114.3	.3025	11.78	11.16

#1	.0800	33.10	.3843	1.128	.0027	985.7	-.0275	.0985
#2	.0357	33.65	.4204	1.156	-.0005	990.5	-.0256	.0802
#3	.0098	31.82	.4288	1.149	.0022	991.3	-.0217	.0974

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	F 384.9	F 318.3	32.34	1.757	1695.	3.359	.0434	24.07
Stddev	.2	.3	.34	2.268	5.	.005	.0015	.70
%RSD	.0445	.0906	1.056	129.1	3.191	.1564	3.431	2.920

#1	384.9	318.5	32.63	3.864	1701.	3.357	.0424	23.45
#2	385.1	318.5	31.96	-.6440	1691.	3.355	.0451	24.83
#3	384.7	318.0	32.44	2.050	1692.	3.365	.0427	23.92

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3600)
Avg	F 292.8	1.281	F -9683	.1763	3.945	90.06	.4004	1.499
Stddev	1.2	.031	.0693	.0497	.071	.39	.0090	.013
%RSD	4.079	2.426	7.160	28.19	1.800	.4294	2.249	.8805

#1	291.5	1.250	-.8917	.1292	3.943	89.65	.3903	1.484
#2	292.9	1.280	-.9864	.2282	4.017	90.13	.4032	1.508
#3	293.9	1.312	-.1027	.1714	3.875	90.41	.4076	1.505

Elem	Ti1908	V_2924	Zn2062
IS Ref	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0619	.4668	1.502
Stddev	.0928	.0069	.007
%RSD	149.8	1.512	.4682

#1	-.1621	.4538	1.494
#2	-.0449	.4519	1.504
#3	.0211	.4647	1.508

7.2
7

Sample Name: FA52073-1 Acquired: 3/1/2018 16:24:44 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 50.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1708.7	4455.3	32250.	3816.3
Stddev	4.8	19.4	171.	21.6
%RSD	.27823	.43551	.52869	.56523

#1	1713.2	4475.7	32318.	3822.0
#2	1709.0	4453.0	32056.	3834.3
#3	1703.7	4437.1	32377.	3792.4

Sample Name: FA51995-1 Acquired: 3/1/2018 16:29:07 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	F .0110	311.0	.1150	1.223	.0076	8.607	.0062	.3426
Stddev	.0001	2.0	.0009	.011	.0002	.026	.0005	.0006
%RSD	1.028	.6567	.7473	.8595	2.445	.2980	7.857	.1854

#1	-.0110	313.2	.1154	1.235	.0076	8.625	.0059	.3425
#2	-.0111	310.5	.1140	1.219	.0078	8.618	.0067	.3433
#3	-.0108	309.2	.1155	1.215	.0075	8.578	.0059	.3420

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	1.206	.4725	F 499.6	20.51	19.48	F 19.25	.0111	.5017
Stddev	.003	.0033	5.1	.13	.01	.07	.0002	.0058
%RSD	.2848	.6920	1.011	.6466	.0604	.3728	1.727	1.165

#1	1.206	.4719	504.3	20.62	19.49	19.18	.0110	.5017
#2	1.203	.4695	494.3	20.53	19.48	19.24	.0110	.4959
#3	1.210	.4760	500.1	20.36	19.47	19.32	.0113	.5076

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3600)
Avg	.4764	.5261	.0087	F -.0297	2.185	.0211	-.0900	F 6.597
Stddev	.0014	.0005	.0023	.0025	.006	.0007	.0008	.008
%RSD	.2936	.0920	26.11	8.443	.2820	3.238	.8699	.1223

#1	.4764	.5257	.0104	-.0270	2.185	.0213	-.0908	6.588
#2	.4778	.5267	.0096	-.0320	2.190	.0216	-.0898	6.602
#3	.4750	.5259	.0061	-.0301	2.178	.0203	-.0893	6.602

Elem	Ti1908	V_2924	Zn2062
IS Ref	(In2306)	(Y_3600)	(Y_2243)
Avg	.0199	1.322	1.459
Stddev	.0018	.005	.004
%RSD	9.167	.4081	.2964

#1	.0216	1.325	1.456
#2	.0180	1.316	1.464
#3	.0199	1.326	1.456

Zoom In
Zoom Out

Sample Name: FA51995-1 Acquired: 3/1/2018 16:29:07 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1582.5	5712.6	38639.	4822.0
Stddev	1.8	24.4	133.	21.3
%RSD	.11444	.42799	.34520	.44124
#1	1584.6	5732.0	38707.	4806.1
#2	1581.7	5685.2	38725.	4846.2
#3	1581.3	5720.7	38486.	4813.9

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Zoom In
Zoom Out

Sample Name: FA51995-7 Acquired: 3/1/2018 16:33:49 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.079	279.7	0.999	1.437	0.052	44.97	0.102	2571
Stddev	.0005	.7	.0017	.003	.0000	.19	.0005	.0008
%RSD	6.209	.2516	1.678	.1992	.9254	.4171	5.060	.3177
#1	-0.076	280.1	1.011	1.434	0.052	45.09	0.099	2572
#2	-0.085	280.1	1.006	1.436	0.053	45.07	0.100	2563
#3	-0.077	278.9	0.980	1.440	0.052	44.75	0.108	2579
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	1.082	9692	F 438.9	16.12	92.61	F 11.82	0.069	1.277
Stddev	.003	.0024	6.1	.08	.77	.09	.0005	.007
%RSD	.2721	.2432	1.385	.5265	.8276	.7993	6.620	5.874
#1	1.084	.9719	443.1	16.05	92.94	11.84	0.071	1.285
#2	1.084	.9675	441.7	16.09	93.16	11.71	0.063	1.275
#3	1.079	.9683	431.9	16.22	91.74	11.90	0.072	1.271
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3600)
Avg	8458	3453	0.068	F -0.291	2.058	0.055	2.500	F 9.372
Stddev	.0014	.0016	.0010	.0032	.004	.0003	.0008	.064
%RSD	.1624	.4575	14.60	11.13	.1807	.5807	.3393	.6811
#1	8473	.3471	0.060	-0.291	2.056	.0552	.2498	9.373
#2	8454	.3446	0.065	-0.324	2.055	.0555	.2509	9.435
#3	8447	.3441	0.079	-0.259	2.062	.0558	.2493	9.307
Elem	Tl1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	0.093	1.005	F 9.799					
Stddev	.0022	.006	.007					
%RSD	23.81	.6218	.0753					
#1	0.096	1.011	9.806					
#2	0.069	1.007	9.791					
#3	0.113	.9986	9.800					

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Zoom In
Zoom Out

Sample Name: FA51995-7 Acquired: 3/1/2018 16:33:49 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1539.1	5515.5	37726.	4685.4
Stddev	5.2	3.0	28.	33.0
%RSD	.33790	.05495	.07432	.70529
#1	1533.1	5516.8	37701.	4660.2
#2	1541.8	5517.7	37720.	4673.3
#3	1542.5	5512.1	37756.	4722.8

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Zoom In
Zoom Out

Sample Name: FA51995-8 Acquired: 3/1/2018 16:38:29 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.071	320.6	0.949	1.475	0.059	55.65	0.080	2868
Stddev	.0004	.9	.0011	.004	.0001	.08	.0004	.0003
%RSD	6.028	.2885	1.199	.2599	.9419	.1502	5.024	.0991
#1	-0.074	321.6	0.938	1.479	0.059	55.74	0.082	2870
#2	-0.066	319.8	0.949	1.471	0.060	55.63	0.075	2865
#3	-0.073	320.3	0.960	1.475	0.059	55.58	0.083	2870
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	1.337	6523	F 496.5	17.51	121.6	F 13.01	0.160	8544
Stddev	.004	.0040	3.6	.02	.1	.08	.0002	.0057
%RSD	.3208	.6120	.7201	.1393	.0948	.6269	1.410	.6832
#1	1.332	6511	493.3	17.54	121.5	12.92	0.157	8410
#2	1.337	6567	500.4	17.49	121.7	13.03	0.162	8313
#3	1.341	6489	496.0	17.50	121.5	13.08	0.160	8310
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3600)
Avg	1.046	1.758	0.101	F -0.337	1.892	0.022	2.680	F 9.649
Stddev	.001	.007	.0012	.0003	.002	.0005	.0019	.003
%RSD	.1204	.4244	11.74	.8411	.1131	2.281	.7073	.0343
#1	1.046	1.767	0.113	-0.334	1.893	0.028	2.697	9.652
#2	1.047	1.754	0.089	-0.337	1.890	0.0219	2.660	9.646
#3	1.044	1.754	0.101	-0.340	1.893	0.0219	2.682	9.650
Elem	Tl1908	V_2924	Zn2062					
IS Ref	(In2306)	(Y_3600)	(Y_2243)					
Avg	0.101	1.025	1.916					
Stddev	.0011	.002	.001					
%RSD	10.41	.1763	.0440					
#1	0.098	1.024	1.917					
#2	0.093	1.025	1.916					
#3	0.113	1.027	1.916					

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Sample Name: FA51995-8 Acquired: 3/1/2018 16:38:29 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1513.4	5718.1	38892.	4821.5
Stddev	3.2	7.8	47.	8.4
%RSD	.21055	.13657	.12120	.17321
#1	1510.2	5723.7	38947.	4826.8
#2	1513.5	5721.5	38865.	4811.8
#3	1516.6	5709.2	38865.	4825.8

Sample Name: FA51672-2 Acquired: 3/1/2018 16:43:11 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.041	200.5	0.314	4927	0.032	6.613	-0.024	0.209	2.456
Stddev	.0019	.2	.0065	.0019	.0003	.037	.0000	.0005	.0005
%RSD	45.02	.1031	20.85	.3777	10.01	.5582	1.305	2.196	.1852
#1	-0.023	200.7	.0243	4945	.0035	6.629	-0.024	.0204	2.451
#2	-0.060	200.6	.0371	4929	.0029	6.571	-0.023	.0210	2.459
#3	-0.041	200.3	.0327	4908	.0032	6.639	-0.023	.0214	2.457
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.503	178.9	14.19	10.16	3.813	0.083	2.381	1.303	1.901
Stddev	.0021	1.1	.18	.10	.0005	.0005	.102	.0014	.0050
%RSD	4.177	.6410	1.284	.9980	.1334	6.232	4.283	1.041	2.651
#1	.0497	180.2	14.33	10.04	.3818	.0087	2.488	.1307	.1950
#2	.0526	178.0	13.98	10.20	.3808	.0083	2.371	.1288	.1903
#3	.0486	178.6	14.26	10.23	.3814	.0077	2.285	.1315	.1849
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.096	0.011	8.737	0.507	1.351	5.093	-0.019	4.876	1.089
Stddev	.0031	.0092	.186	.0011	.0001	.011	.0059	.0038	.0007
%RSD	32.17	849.1	2.132	2.188	.0917	.2241	316.7	.7765	.6433
#1	.0131	.0025	8.595	.0501	.1349	5.098	-0.084	4.851	.1095
#2	.0083	-.0088	8.948	.0500	.1351	5.101	.0032	4.919	.1081
#3	.0073	.0095	8.669	.0520	.1352	5.080	-0.004	4.856	.1092
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1690.3	4636.7	31634.	37314.					
Stddev	2.7	6.6	116.	40.2					
%RSD	.16161	.14129	.36607	1.0764					
#1	1687.7	4629.5	31500.	3688.6					
#2	1690.2	4642.3	31691.	3768.2					
#3	1693.1	4638.3	31709.	3737.6					

7.2
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Sample Name: FA51672-4 Acquired: 3/1/2018 16:47:33 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.058	198.3	0.243	3.891	0.030	8.876	-0.019	0.179	2.190
Stddev	.0029	1.8	.0021	.0034	.0002	.068	.0001	.0002	.0027
%RSD	42.30	.8862	8.467	.8673	6.061	.7629	6.753	1.297	1.219
#1	-0.042	198.9	.0260	.3897	.0032	8.913	-0.020	.0178	2.220
#2	-0.063	199.7	.0248	.3921	.0031	8.917	-0.020	.0182	2.179
#3	-0.099	196.4	.0220	.3854	.0028	8.798	-0.018	.0178	2.170
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0270	162.3	12.88	10.88	3.636	0.073	2.635	1.258	0.757
Stddev	.0010	1.3	.11	.39	.0003	.0006	.093	.0020	.0010
%RSD	3.585	.8256	.8838	3.627	.0918	7.663	3.515	1.598	1.363
#1	.0278	162.8	12.97	10.75	.3636	.0076	2.711	1.274	.0746
#2	.0259	163.3	12.75	11.32	.3639	.0077	2.662	1.264	.0759
#3	.0273	160.8	12.90	10.56	.3632	.0067	2.532	1.235	.0766
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.022	-0.022	9.815	0.524	1.508	5.460	-0.058	4.393	1.224
Stddev	.0083	.0046	.282	.0018	.0018	.030	.0074	.0031	.0012
%RSD	375.8	209.5	2.873	3.508	1.206	.5426	127.1	.6955	.9967
#1	.0104	-0.0075	10.14	.0541	.1517	5.473	.0001	4.426	1.215
#2	.0024	.0001	9.629	.0527	.1519	5.481	-.0141	4.365	1.218
#3	-0.062	.0008	9.676	.0505	.1487	5.426	-.0034	4.389	1.238
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1690.8	4641.6	31829.	3749.1					
Stddev	4.8	4.3	111.	43.2					
%RSD	.28366	.09333	.34969	1.1513					
#1	1685.3	4640.7	31825.	3746.0					
#2	1694.1	4646.3	31720.	3707.5					
#3	1693.0	4637.8	31943.	3793.6					

Sample Name: CCV Acquired: 3/1/2018 16:51:55 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.484	41.49	1.995	2.078	2.075	41.10	2.012	2.028	2.068
Stddev	.0016	.19	.003	.007	.005	.24	.003	.005	.003
%RSD	.6504	.4524	.1228	.3588	.2408	.5890	.1501	.2673	.1487
#1	2.465	41.29	1.995	2.070	2.077	40.96	2.014	2.031	2.064
#2	2.492	41.54	1.998	2.080	2.070	40.97	2.013	2.030	2.070
#3	2.494	41.65	1.993	2.085	2.079	41.38	2.009	2.021	2.069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.038	41.00	41.61	41.42	2.044	2.047	40.80	2.041	2.001
Stddev	.006	.13	.32	.32	.002	.004	.22	.007	.007
%RSD	.2834	.3189	.7755	.7777	.0761	.1876	.5303	.3290	.3657
#1	2.045	40.87	41.33	41.22	2.044	2.050	40.60	2.046	2.007
#2	2.034	41.00	41.54	41.25	2.042	2.048	40.76	2.044	1.992
#3	2.035	41.13	41.97	41.79	2.045	2.042	41.03	2.034	2.002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.007	2.012	1.986	2.074	2.139	2.075	1.999	2.103	2.083
Stddev	.005	.006	.005	.006	.006	.001	.007	.004	.006
%RSD	.2558	.3041	.2430	.3020	.2863	.0411	.3551	.1781	.2990
#1	2.011	2.019	1.990	2.078	2.134	2.075	2.007	2.103	2.089
#2	2.009	2.008	1.989	2.077	2.137	2.076	1.993	2.107	2.085
#3	2.001	2.008	1.981	2.067	2.146	2.075	1.996	2.099	2.077
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Sample Name: CCV Acquired: 3/1/2018 16:51:55 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1578.4	4489.7	31180.	3701.9
Stddev	2.1	12.6	102.	51.5
%RSD	.13277	.28090	.32832	1.3918
#1	1576.7	4494.5	31294.	3732.9
#2	1577.7	4475.4	31097.	3730.4
#3	1580.8	4499.2	31148.	3642.4

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Sample Name: CCB Acquired: 3/1/2018 16:56:08 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	-.0216	.0000	.0005	.0000	-.0051	.0001	-.0001	-.0002
Stddev	.0001	.0311	.0006	.0001	.000	.0005	.0000	.0001	.0002
%RSD	55.30	143.9	176200.	25.72	901.4	9.245	37.11	202.9	105.8
#1	.0001	-.0046	.0006	.0003	.0000	-.0047	.0001	-.0002	.0000
#2	.0003	-.0575	-.0005	.0005	.0000	-.0056	.0001	.0000	-.0003
#3	.0004	-.0027	-.0001	.0005	.0000	-.0051	.0001	.0001	-.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0036	.0532	-.0156	.0000	.0010	.0127	.0001	-.0003
Stddev	.0001	.0031	.0292	.0144	.000	.0003	.0082	.0002	.0005
%RSD	185.0	86.62	54.89	92.21	357.3	35.96	64.52	230.7	162.4
#1	.0000	.0046	.0867	-.0183	.0000	.0011	.0154	.0004	-.0002
#2	.0000	.0060	.0400	.0000	.0000	.0012	.0192	.0001	.0001
#3	.0003	.0001	.0329	-.0284	-.0001	.0006	.0035	-.0001	-.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0005	.0007	-.0002	.0002	.0003	.0003	-.0002	-.0005
Stddev	.0018	.0012	.0001	.0001	.0001	.0001	.0013	.0002	.0001
%RSD	246.5	234.4	20.72	44.89	35.03	46.34	506.0	126.8	10.36
#1	.0021	-.0006	.0008	-.0002	.0002	.0004	-.0003	.0000	-.0005
#2	.0013	.0004	.0006	-.0004	.0001	.0003	-.0007	-.0001	-.0005
#3	-.0013	.0018	.0006	-.0002	.0002	.0002	.0018	-.0004	-.0006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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7.2
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Sample Name: CCB Acquired: 3/1/2018 16:56:08 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1756.6	4741.5	32954.	3848.2
Stddev	4.9	4.0	151.	18.6
%RSD	.27717	.08535	.45916	.48254
#1	1761.7	4745.5	32953.	3826.8
#2	1752.0	4741.7	32803.	3857.7
#3	1756.2	4737.4	33106.	3860.1

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Sample Name: FA51672-6 Acquired: 3/1/2018 17:00:38 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0038	171.8	.0214	2.082	.0038	65.20	.0004	.0269	2400
Stddev	.0004	.3	.0041	.003	.0002	.14	.0002	.0004	.0023
%RSD	11.38	.1566	19.26	.1238	4.570	.2212	54.94	1.312	.9714
#1	-.0039	172.1	.0238	2.081	.0039	65.04	.0007	.0265	2427
#2	-.0041	171.6	.0238	2.085	.0036	65.32	.0003	.0268	2384
#3	-.0033	171.6	.0166	2.080	.0039	65.23	.0003	.0272	2390

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.527	173.0	18.10	18.38	3.838	.0119	2.501	1.492	17.93
Stddev	.011	.3	.14	.16	.010	.0010	.101	.0011	.04
%RSD	4526	.1512	.7938	.8943	.2577	8.294	4.054	.7675	.2413
#1	2.516	172.9	18.00	18.56	3.850	.0126	2.550	1.504	17.97
#2	2.539	172.7	18.27	18.24	3.833	.0124	2.569	1.491	17.89
#3	2.526	173.3	18.05	18.33	3.832	.0108	2.385	1.482	17.94

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0737	-.0128	9.048	.0640	.9900	5.535	-.0031	-.4473	7972
Stddev	.0076	.0011	.046	.0003	.0014	.018	.0072	.0028	.0007
%RSD	10.34	8.235	.5121	.5388	.1427	.3278	234.3	.6191	.0828
#1	.0651	-.0133	9.053	.0644	.9886	5.528	.0037	-.4505	7977
#2	.0794	-.0134	9.092	.0638	.9901	5.555	-.0023	-.4455	7976
#3	.0768	-.0115	9.000	.0638	.9914	5.521	-.0107	-.4460	7965

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1663.8	4585.1	31708.	3717.8
Stddev	3.0	10.9	98.	11.2
%RSD	.17962	.23842	.30835	.30057
#1	1660.4	4576.8	31613.	3724.0
#2	1665.3	4580.9	31704.	3724.6
#3	1665.7	4597.4	31808.	3704.9

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Sample Name: FA51672-9 Acquired: 3/1/2018 17:04:59 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0031	180.3	0148	5808	0032	7.042	-0021	0189	2201
Stddev	.0022	1.1	.0070	.0062	.0002	.042	.0002	.0007	.0020
%RSD	71.18	.6232	47.06	1.060	4.888	.5968	8.226	3.547	.9301

#1	-0042	181.6	.0077	.5875	.0031	7.081	-0022	0195	2210
#2	-0006	179.9	.0151	.5798	.0031	7.048	-0019	0182	2177
#3	-0047	179.4	.0216	.5753	.0033	6.997	-0023	0190	2215

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0340	156.6	12.87	10.29	5043	0067	2.000	1119	1101
Stddev	.0012	.4	.10	.22	.0015	.0010	.036	.0020	.0039
%RSD	3.394	.2497	.7539	2.093	.3021	15.50	1.806	1.751	3.582

#1	.0331	157.0	12.83	10.54	.5036	.0071	1.982	.1138	.1144
#2	.0335	156.6	12.98	10.14	.5033	.0075	2.042	.1121	.1094
#3	.0353	156.2	12.79	10.20	.5061	.0056	1.976	.1099	.1066

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0007	-0013	10.12	0529	1152	5.198	-0081	4191	1058
Stddev	.0040	.0011	.34	.0021	.0009	.015	.0035	.0028	.0016
%RSD	554.0	87.64	3.364	4.056	.8175	.2953	42.82	.6628	1.549

#1	.0027	-0002	10.46	.0554	.1162	5.214	-0112	4204	1046
#2	-0039	-0012	10.13	.0518	.1151	5.196	-0086	4209	1051
#3	.0034	-0024	9.778	.0515	.1143	5.183	-0044	4159	1077

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1676.7	4599.7	3174.0	3694.4
Stddev	5.4	15.6	62.	20.4
%RSD	.32407	.33940	.19411	.55097

#1	1671.9	4584.1	3170.4	3706.9
#2	1675.5	4599.5	3181.1	3705.3
#3	1682.6	4615.4	3170.5	3670.9

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Sample Name: FA51672-11 Acquired: 3/1/2018 17:09:21 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0064	255.7	0208	1829	0054	54.03	-0014	0388	3226
Stddev	.0011	.4	.0007	.007	.0008	.36	.0003	.0004	.0022
%RSD	17.09	.1722	3.308	4.063	13.93	.6644	19.90	.9660	.6919

#1	-0075	255.3	.0216	1.820	.0062	53.62	-0011	0388	3251
#2	-0064	256.2	.0206	1.832	.0052	54.27	-0017	0392	3208
#3	-0053	255.7	.0202	1.834	.0048	54.19	-0015	0385	3218

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2523	225.9	23.49	18.38	3.596	.0104	3.509	1821	6455
Stddev	.0019	1.0	.13	.17	.030	.0013	.080	.0011	.0049
%RSD	.7451	.4242	.5716	.9201	.8401	12.45	2.280	6.118	.7633

#1	2534	224.8	23.45	18.18	3.613	.0113	3.421	1831	6423
#2	2501	226.7	23.64	18.49	3.561	.0110	3.577	1809	6512
#3	2533	226.1	23.38	18.46	3.614	.0089	3.531	1825	6431

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0353	0029	11.17	0516	8179	5.857	-0042	5558	1801
Stddev	.0064	.0096	.15	.0002	.0038	.065	.0025	.0074	.0021
%RSD	18.15	329.4	1.327	.4015	.4678	1.116	59.38	1.337	1.180

#1	.0376	-0049	11.02	.0513	.8136	5.908	-0015	5626	1780
#2	.0280	.0001	11.19	.0517	.8193	5.783	-0065	5479	1801
#3	.0401	0136	11.31	.0517	.8209	5.879	-0047	5570	1823

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1670.6	4613.9	3196.1	3710.0
Stddev	4.2	15.8	343.	18.7
%RSD	.25293	.34236	1.0725	.50278

#1	1669.1	4605.6	3171.4	3717.8
#2	1675.3	4632.1	3235.3	3688.7
#3	1667.2	4604.0	3181.7	3723.5

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7.2
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Sample Name: FA51672-18 Acquired: 3/1/2018 17:13:42 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0050	174.6	0118	9111	0034	13.06	-0016	0245	2219
Stddev	.0024	.5	.0040	.0022	.0003	.03	.0002	.0007	.0032
%RSD	48.66	.2686	34.22	.2376	7.850	.2494	14.68	2.779	1.423

#1	-0030	174.1	.0155	.9087	.0036	13.10	-0019	0237	2251
#2	-0043	175.1	.0125	.9130	.0035	13.06	-0016	0250	2216
#3	-0077	174.6	.0075	.9114	.0031	13.03	-0014	0248	2189

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0250	156.3	14.08	11.97	9009	0073	1.963	1188	0852
Stddev	.0008	.6	.15	.32	.0050	.0015	.076	.0006	.0066
%RSD	3.083	.3539	1.050	2.649	.5570	20.08	3.861	5.468	10.08

#1	0242	155.8	14.15	11.62	9047	.0078	1.917	1192	0662
#2	0252	156.9	13.91	12.25	9027	.0057	1.921	1181	0713
#3	0257	156.2	14.19	12.02	8952	.0085	2.050	1192	0583

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	
Avg	0058	-0086	9.144	0529	2118	4.621	-0076	4062	1302
Stddev	.0051	.0060	.016	.0015	.0008	.005	.0017	.0037	.0002
%RSD	86.81	69.13	.1742	2.821	.3571	.1005	22.27	.9021	.1284

#1	0102	-0044	9.162	.0546	2109	4.627	-0080	4085	1304
#2	.0003	-0155	9.135	.0522	2123	4.619	-0092	4081	1301
#3	.0070	-0060	9.134	.0519	.2121	4.618	-0058	4020	1300

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1684.7	4650.6	3190.7	3738.9
Stddev	5.7	22.4	106.	14.7
%RSD	.33848	.48172	.33317	.39408

#1	1682.5	4643.1	3187.5	3740.6
#2	1691.2	4675.8	3182.1	3752.7
#3	1680.5	4632.9	3202.6	3723.4

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Sample Name: MP33399-D1 Acquired: 3/1/2018 17:18:04 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0044	192.5	0170	9357	0041	14.06	-0018	0258	2431
Stddev	.0011	.8	.0053	.0033	.0003	.02	.0001	.0003	.0021
%RSD	24.89	.4236	31.04	.3570	8.375	.1459	7.427	.9882	.8557

#1	-0034	193.3	.0216	.9369	.0037	14.06	-0020	0258	2422
#2	-0055	192.3	.0112	.9320	.0041	14.03	-0019	0255	2454
#3	-0043	191.7	.0183	.9383	.0044	14.07	-0017	0260	2416

Sample Name: FA51672-15 Acquired: 3/1/2018 17:22:26 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0062	185.0	0219	7776	0038	12.79	-0019	0237	2280
Stddev	.0018	1.1	.0044	.0051	.0002	.04	.0002	.0003	.0012
%RSD	28.75	.5705	19.93	.6544	4.448	.3325	10.99	1.269	.5328

#1	-0048	185.0	0189	7802	0037	12.77	-0019	0240	2287
#2	-0055	186.0	0199	7810	0038	12.84	-0022	0238	2287
#3	-0082	183.9	0269	7718	0040	12.77	-0018	0234	2266

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0303	160.4	14.02	11.54	7608	0074	2.531	1198	0658
Stddev	.0003	1.2	.17	.08	.0027	.0003	.090	.0009	.0024
%RSD	.8463	.7358	1.238	.6780	.3577	3.468	3.570	.7568	3.579

#1	0303	160.3	14.11	11.63	7631	0077	2.573	1208	0638
#2	0305	161.6	14.12	11.47	7615	0072	2.593	1190	0652
#3	0300	159.3	13.82	11.52	7578	0073	2.427	1195	0684

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0007	-0064	11.26	0489	1999	5.051	-0032	4176	1395
Stddev	.0032	.0027	.34	.0017	.0026	.019	.0039	.0039	.0039
%RSD	430.7	41.97	3.036	3.574	1.320	.3829	122.2	.9359	2.830

#1	-0004	-0096	10.86	0501	1995	5.072	0003	4162	1350
#2	-0017	-0049	11.48	0497	2027	5.047	-0025	4221	1410
#3	0044	-0049	11.42	0469	1974	5.034	-0074	4146	1425

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1702.7	4702.4	32088.	3776.4
Stddev	4.0	2.0	16.	24.6
%RSD	23501	04177	04931	65029

#1	1701.2	4702.3	32070.	3783.5
#2	1699.7	4700.5	32099.	3749.1
#3	1707.2	4704.4	32095.	3796.6

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Sample Name: FA51672-17 Acquired: 3/1/2018 17:26:48 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0030	189.3	0140	8845	0036	13.30	-0019	0243	2322
Stddev	.0021	2	.0039	.0025	.0004	.04	.0001	.0007	.0009
%RSD	70.38	.1115	27.81	.2808	10.81	.2699	4.000	3.043	.3823

#1	-0037	189.4	0142	8819	0040	13.31	-0019	0234	2315
#2	-0047	189.0	0100	8849	0032	13.26	-0019	0247	2319
#3	-0006	189.4	0177	8868	0036	13.33	-0020	0247	2332

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0293	160.2	14.45	12.27	8025	0068	2.252	1288	0595
Stddev	.0011	.7	.21	.24	.0010	.0010	.082	.0013	.0057
%RSD	3.734	4.314	1.431	1.925	1.203	14.57	3.638	1.036	9.630

#1	0297	161.0	14.65	12.07	8014	0072	2.208	1273	0653
#2	0300	160.1	14.24	12.53	8032	0074	2.202	1296	0595
#3	0280	159.6	14.48	12.20	8029	0056	2.347	1295	0538

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0086	-0031	11.36	0517	2151	5.304	-0104	4189	1342
Stddev	.0029	.0032	.07	.0018	.0006	.007	.0047	.0012	.0004
%RSD	34.15	103.6	6.263	3.520	2.842	1.301	45.19	2.891	2.765

#1	0057	-0030	11.44	0497	2145	5.296	-0087	4176	1341
#2	0116	-0064	11.34	0532	2150	5.308	-0068	4199	1339
#3	0086	0000	11.30	0522	2158	5.308	-0157	4193	1347

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1688.7	4645.0	31932.	3748.1
Stddev	3.5	6.3	164.	16.5
%RSD	20744	13476	51206	44084

#1	1691.6	4647.8	32087.	3763.6
#2	1684.8	4637.9	31761.	3730.7
#3	1689.8	4649.4	31948.	3750.1

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Sample Name: FA51672-20 Acquired: 3/1/2018 17:31:10 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0024	173.7	0154	6022	0033	12.10	-0018	0183	2125
Stddev	.0024	.1	.0034	.0035	.0005	.03	.0003	.0003	.0009
%RSD	99.42	.0691	22.13	.5874	16.23	.2733	14.62	1.634	4.466

#1	-0047	173.7	0144	6057	0037	12.13	-0018	0185	2126
#2	-0001	173.6	0126	5986	0035	12.11	-0020	0179	2134
#3	-0027	173.8	0192	6022	0027	12.07	-0015	0184	2115

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0255	145.9	15.11	10.77	4961	0064	2.062	1134	0827
Stddev	.0007	.2	.14	.06	.0016	.0010	.029	.0004	.0055
%RSD	2.722	1.490	0.924	0.5314	0.3186	15.94	1.430	0.3263	8.786

#1	0250	146.1	14.95	10.71	4948	0057	2.076	1130	0564
#2	0263	145.6	15.23	10.80	4956	0076	2.082	1138	0652
#3	0253	145.9	15.14	10.81	4979	0060	2.028	1133	0665

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0021	-0093	11.46	0511	1860	4.862	-0122	3833	1065
Stddev	.0077	.0077	.04	.0027	.0013	.011	.0065	.0030	.0008
%RSD	373.8	83.41	0.3820	5.239	6.965	0.2342	53.53	0.7772	0.7446

#1	0029	-0032	11.51	0480	1846	4.854	-0056	3834	1060
#2	-0060	-0066	11.44	0522	1863	4.875	-0187	3863	1074
#3	0093	-0180	11.43	0530	1871	4.858	-0122	3803	1060

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1691.6	4670.3	32002.	3754.0
Stddev	1.3	2.2	106.	8.6
%RSD	0.7603	0.4682	0.3315	2.2954

#1	1690.4	4672.8	31883.	3747.8
#2	1693.0	4668.5	32086.	3750.4
#3	1691.5	4669.7	32037.	3763.8

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Sample Name: FA51672-22 Acquired: 3/1/2018 17:35:32 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0024	180.9	0264	2432	0040	68.26	0005	0307	2449
Stddev	.0009	.5	.0023	.011	.0002	.39	.0001	.0004	.0029
%RSD	39.96	.2707	8.538	4.598	4.344	.5755	29.76	1.172	1.186

#1	-0021	181.4	0281	2444	0039	68.41	0003	0303	2416
#2	-0016	180.5	0273	2431	0042	68.55	0005	0309	2471
#3	-0034	180.7	0239	2422	0038	67.81	0006	0310	2460

Sample Name: MP33402-MB1 Acquired: 3/1/2018 17:39:54 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.114	-0.011	0.002	-0.001	0.003	0.000	-0.001	0.004
Stddev	.002	.0076	.005	.003	.001	.003	.000	.001	.004
%RSD	186.6	66.52	44.86	201.8	133.7	1107.	381.2	92.29	88.61
#1	-0.002	-0.170	-0.005	-0.001	0.000	0.037	0.000	-0.002	0.002
#2	-0.002	-0.028	-0.012	0.001	0.000	-0.016	0.000	0.000	0.002
#3	0.001	-0.145	-0.015	0.005	-0.001	-0.013	-0.001	-0.001	0.009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	0.035	0.300	-0.049	0.000	-0.005	0.119	0.004	0.000
Stddev	.004	.0029	.0339	.0096	.000	.001	.0080	.002	.002
%RSD	146.8	82.35	113.0	194.9	148.1	19.14	67.70	56.81	365.6
#1	-0.006	0.068	0.155	0.039	0.000	-0.005	0.105	0.004	0.009
#2	-0.002	0.026	0.058	-0.036	0.000	-0.006	0.046	0.006	-0.018
#3	-0.003	0.012	0.068	-0.015	0.000	-0.004	0.205	0.002	0.008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.014	0.008	0.063	0.000	0.001	0.000	-0.015	0.000	0.194
Stddev	.0011	.0010	.002	.001	.001	.000	.0010	.000	.0011
%RSD	79.44	124.9	2.695	107.0	83.30	114.5	66.36	2414.	.7159
#1	0.016	0.006	0.063	0.000	0.000	0.000	-0.014	0.003	0.196
#2	0.002	-0.001	0.065	-0.005	0.002	0.000	-0.026	0.000	0.193
#3	0.024	0.018	0.062	0.004	0.001	0.000	-0.006	-0.003	0.194

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail
 High Limit .0100
 Low Limit -0.100

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Sample Name: MP33402-MB1 Acquired: 3/1/2018 17:39:54 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1705.1	4630.9	32148.	3738.5
Stddev	2.9	4.7	106.	11.8
%RSD	.16819	.10159	.32833	.31686
#1	1704.2	4633.6	32237.	3742.8
#2	1702.7	4625.5	32031.	3725.2
#3	1708.3	4633.7	32176.	3747.7

7.2
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Sample Name: CCV Acquired: 3/1/2018 17:44:23 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.455	41.18	1.972	2.055	2.055	40.58	1.986	2.001	2.046
Stddev	.0012	.18	.006	.010	.014	.16	.003	.004	.003
%RSD	.4687	.4320	.2897	.4796	.6557	.4013	.1392	.1877	.1527
#1	2.466	40.99	1.971	2.044	2.043	40.40	1.989	2.006	2.048
#2	2.443	41.22	1.978	2.064	2.069	40.71	1.985	1.999	2.047
#3	2.456	41.33	1.966	2.058	2.054	40.62	1.984	1.999	2.042

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.026	40.54	41.17	41.01	2.016	2.025	40.29	2.014	1.970
Stddev	.004	.19	.15	.18	.004	.001	.14	.003	.009
%RSD	.1858	.4676	.3598	.4412	.2151	.0627	.3528	.1351	.4649
#1	2.027	40.33	41.00	40.84	2.021	2.027	40.16	2.017	1.980
#2	2.021	40.70	41.27	41.20	2.017	2.024	40.26	2.012	1.963
#3	2.029	40.59	41.24	40.98	2.012	2.024	40.44	2.014	1.966

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.981	1.986	1.960	2.047	2.117	2.060	1.966	2.093	2.062
Stddev	.004	.002	.003	.003	.009	.002	.009	.003	.004
%RSD	.1938	.1091	.1403	.1336	.4109	.0765	.4766	.1625	.1886
#1	1.985	1.987	1.958	2.050	2.108	2.061	1.969	2.096	2.067
#2	1.982	1.986	1.964	2.048	2.125	2.062	1.955	2.093	2.059
#3	1.977	1.983	1.959	2.044	2.120	2.059	1.973	2.089	2.061

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Raw Data MA14718 page 171 of 201

Sample Name: CCV Acquired: 3/1/2018 17:44:23 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1602.8	4543.8	31373.	3746.6
Stddev	3.4	3.1	105.	12.2
%RSD	.21494	.06715	.33375	.32679
#1	1600.0	4545.6	31252.	3734.6
#2	1606.6	4540.3	31438.	3759.1
#3	1601.7	4545.5	31428.	3746.3

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Sample Name: CCB Acquired: 3/1/2018 17:48:34 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	-0.0089	.0006	.0003	.0001	-0.0024	.0001	-0.001	-0.002
Stddev	.0004	.0091	.0003	.0001	.0001	.0046	.0001	.0001	.0001
%RSD	112.9	102.4	48.43	22.93	186.5	189.7	91.84	96.96	36.79

#1 .0008 -.0011 .0009 .0003 .0002 .0024 .0001 -.0001 .0002
 #2 .0004 -.0190 .0005 .0002 .0000 -.0066 .0000 .0000 .0001
 #3 .0000 -.0067 .0003 .0004 .0000 .0000 .0001 -.0002 .0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0025	.0526	-0.124	-0.0001	.0010	.0107	.0000	.0004
Stddev	.0002	.0026	.0143	.0146	.0000	.0004	.0058	.0001	.0012
%RSD	375.3	106.0	27.21	117.4	41.84	40.52	54.79	494.6	328.0

#1 .0003 -.0004 .0593 -.0288 -.0001 .0014 .0149 -.0001 .0013
 #2 .0001 .0031 .0362 -.0079 -.0001 .0007 .0131 .0001 .0006
 #3 -.0002 .0047 .0624 -.0007 .0000 .0007 .0040 .0001 -.0009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	.0006	.0007	.0001	.0001	.0003	.0002	.0001	-0.0005
Stddev	.0008	.0007	.0003	.0003	.0001	.0001	.0006	.0003	.0001
%RSD	251.5	110.4	37.67	520.3	113.7	22.43	357.1	232.3	20.55

#1 .0003 .0008 .0010 .0002 .0002 .0004 .0000 .0004 -.0004
 #2 .0000 .0001 .0006 .0003 .0000 .0003 .0003 .0000 .0006
 #3 -.0013 .0011 .0006 .0003 .0000 .0002 .0008 .0001 -.0006

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/1/2018 17:48:34 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1753.5	4756.9	32859	3783.5
Stddev	2.3	10.2	112	17.9
%RSD	.13230	.21485	.34229	.47185

#1 1751.4 4759.6 32943. 3775.2
 #2 1756.0 4765.5 32903. 3804.0
 #3 1753.1 4745.6 32731. 3771.3

7.2
7

Sample Name: MP33402-B1 Acquired: 3/1/2018 17:53:04 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0499	28.76	1.960	2.118	.0531	26.55	.0503	.5072	2.134
Stddev	.0007	.10	.006	.007	.0002	.09	.0003	.0010	.0002
%RSD	1.422	.3358	.2948	.3553	.3961	.3222	.5117	.1962	.0844

#1 .0491 28.75 1.963 2.120 .0532 26.49 .0504 .5077 .2133
 #2 .0504 28.86 1.953 2.123 .0533 26.65 .0500 .5061 .2133
 #3 .0503 28.66 1.963 2.109 .0529 26.51 .0505 .5079 .2136

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2623	27.29	26.53	26.25	5196	5069	25.78	5326	4898
Stddev	.0008	.08	.11	.13	.0011	.0009	.04	.0009	.0011
%RSD	.2868	.2857	.4121	.4804	.2187	.1764	.1704	.1758	.2299

#1 2628 27.21 26.54 26.17 .5190 .5075 25.82 5334 4905
 #2 2626 27.37 26.63 26.40 .5209 .5059 25.78 5315 4885
 #3 2614 27.28 26.42 26.19 .5189 .5073 25.74 5328 4905

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4967	1.939	3670	5332	5587	5491	1.908	5089	5180
Stddev	.0048	.010	.0016	.0006	.0007	.0009	.009	.0037	.0013
%RSD	.9622	.5368	.4405	.1132	.1197	.1654	.4639	.7275	.2606

#1 5008 1.947 .3685 .5335 .5587 .5490 1.908 .5047 5195
 #2 4915 1.927 .3653 .5325 .5594 .5500 1.899 .5117 5170
 #3 4979 1.942 .3674 .5336 .5581 .5482 1.917 .5103 5173

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: MP33402-B1 Acquired: 3/1/2018 17:53:04 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1612.6	4483.9	30926	3650.9
Stddev	2.7	10.8	80	19.8
%RSD	.16763	.24099	.25847	.54284

#1 1609.9 4472.7 30983. 3661.8
 #2 1615.3 4494.3 30835. 3628.0
 #3 1612.6 4484.7 30960. 3662.9

Sample Name: FA52055-1 Acquired: 3/1/2018 17:57:16 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.002	.0023	-0.001	.0254	-0.001	71.42	.0000	.0000	.0011
Stddev	.0003	.0052	.0009	.0004	.0001	.29	.000	.000	.0007
%RSD	171.1	224.5	958.6	1.636	67.78	.4027	177.5	542.7	63.29
#1	.0004	-.0019	-.0011	.0253	-.0002	71.55	.0000	-.0002	.0013
#2	.0001	.0081	.0005	.0251	.0000	71.61	.0000	.0001	.0016
#3	-.0001	.0007	.0003	.0259	-.0001	71.09	.0000	.0000	.0003

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0026	.6780	.8066	2.317	.1466	.0000	5.716	.0040	.0007
Stddev	.0003	.0090	.0633	.018	.0001	.000	.018	.0002	.0008
%RSD	12.31	1.324	7.843	.7866	.0532	139.6	.3142	5.298	112.1
#1	.0022	.6812	.7539	2.322	.1466	-.0001	5.697	.0040	.0001
#2	.0028	.6679	.8768	2.332	.1466	.0000	5.732	.0038	.0016
#3	.0027	.6850	.7891	2.297	.1467	.0000	5.718	.0042	.0004

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0021	.0007	4.781	.0002	.0574	.0023	-.0015	.0006	-.1119
Stddev	.0011	.0005	.015	.0002	.0004	.0002	.0022	.0004	.0004
%RSD	53.16	72.61	.3212	105.1	.6403	6.866	144.9	67.71	.3368
#1	.0008	.0002	4.796	.0004	.0577	.0023	-.0001	.0001	-.1123
#2	.0030	.0013	4.765	.0003	.0574	.0024	-.0006	.0009	-.1115
#3	.0024	.0008	4.781	.0000	.0570	.0021	-.0040	.0008	-.1119

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1654.1	4481.4	3115.0	3658.0
Stddev	3.8	14.3	70.	7.1
%RSD	22849	.31837	22585	.19296
#1	1653.7	4472.6	31165.	3650.2
#2	1658.0	4497.9	31212.	3659.8
#3	1650.5	4473.8	31074.	3664.0

Sample Name: MP33402-D1 Acquired: 3/1/2018 18:01:42 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0003	.0021	-.0002	.0254	-.0001	72.00	-.0001	-.0001	.0010
Stddev	.0001	.0132	.0007	.0001	.0001	.27	.0001	.0001	.0001
%RSD	45.16	643.8	299.1	.4407	93.53	.3799	178.8	64.70	116.1
#1	.0004	-.0019	-.0008	.0253	-.0002	72.19	-.0001	-.0001	.0011
#2	.0002	-.0087	.0006	.0255	.0000	71.69	.0001	-.0003	.0009
#3	.0004	.0168	-.0005	.0255	-.0001	72.13	-.0001	-.0001	.0011

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0026	.6427	.7511	2.288	.1471	-.0002	5.734	.0037	.0006
Stddev	.0002	.0046	.0006	.015	.0006	.0001	.024	.0000	.0008
%RSD	8.239	.7127	.0852	.6368	.4190	62.08	4.221	.9779	138.8
#1	.0024	.6378	.7518	2.303	.1466	-.0001	5.761	.0038	-.0004
#2	.0029	.6468	.7506	2.274	.1478	-.0001	5.716	.0037	.0010
#3	.0027	.6437	.7508	2.288	.1469	-.0003	5.725	.0038	.0012

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0018	.0014	4.782	.0002	.0570	.0022	-.0005	.0007	-.1109
Stddev	.0012	.0011	.010	.0001	.0006	.0001	.0012	.0002	.0003
%RSD	67.35	79.45	.2070	88.16	.9971	6.566	231.4	26.36	.3042
#1	.0006	.0013	4.792	.0000	.0571	.0022	.0002	.0007	-.1110
#2	.0030	.0004	4.772	.0003	.0564	.0021	.0001	.0010	-.1105
#3	.0017	.0026	4.781	.0002	.0575	.0024	-.0019	.0006	-.1111

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1655.7	4508.8	31201.	3671.3
Stddev	6.3	8.3	110.	9.9
%RSD	.37983	.18369	.35405	.26942
#1	1648.6	4499.3	31298.	3660.1
#2	1657.7	4513.5	31223.	3674.8
#3	1660.7	4513.7	31081.	3679.0

7.2
7

Sample Name: MP33402-SD1 Acquired: 3/1/2018 18:06:07 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0025	-.0462	.0005	.0258	-.0001	73.45	.0000	-.0007	.0001
Stddev	.0024	.1151	.0051	.0006	.0004	.24	.001	.0005	.0011
%RSD	96.17	248.9	929.5	2.259	392.6	.3319	2838.	77.41	1450.
#1	-.0003	-.1317	.0042	.0252	.0003	73.65	-.0001	-.0003	-.0004
#2	.0036	.0846	.0026	.0263	-.0001	73.53	-.0007	-.0004	-.0007
#3	.0041	-.0915	-.0052	.0261	-.0006	73.18	.0007	-.0012	.0014

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0001	.6872	.7966	2.366	.1495	-.0036	5.802	.0045	-.0003
Stddev	.0003	.0057	.1347	.138	.0005	.0004	.079	.0008	.0013
%RSD	251.7	.8282	16.91	5.822	.3158	11.94	1.368	17.38	377.6
#1	.0001	.6896	.8311	2.452	.1493	-.0039	5.808	.0045	-.0019
#2	-.0005	.6912	.9106	2.439	.1492	-.0031	5.720	.0053	.0004
#3	.0000	.6807	.6480	2.207	.1501	-.0037	5.878	.0037	.0004

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0050	.0053	4.824	-.0010	.0581	.0052	-.0028	.0014	-.1855
Stddev	.0007	.0013	.022	.0011	.0005	.0003	.0065	.0025	.0006
%RSD	13.38	24.60	.4603	105.2	.7795	4.963	227.1	176.7	.3165
#1	.0042	.0042	4.830	.0002	.0581	.0055	-.0009	-.0006	.1858
#2	.0054	.0049	4.842	-.0019	.0577	.0050	-.0103	.0006	.1859
#3	.0054	.0067	4.799	-.0013	.0586	.0052	.0009	.0043	.1848

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1745.8	4709.9	32622.	3775.4
Stddev	2.3	8.9	117.	6.8
%RSD	.13053	.18977	.36016	.17947
#1	1748.2	4715.8	32505.	3769.6
#2	1745.7	4699.6	32740.	3782.8
#3	1743.6	4714.2	32621.	3773.7

Sample Name: MP33402-PS1 Acquired: 3/1/2018 18:10:32 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0517	2.528	.1004	.2840	.0513	74.37	.0483	.0492	.0515
Stddev	.0003	.025	.0002	.0013	.0003	.28	.0002	.0001	.0001
%RSD	.6567	1.007	.1950	.4544	.6436	.3808	.3937	.2032	.2079
#1	.0517	2.519	.1006	.2825	.0514	74.07	.0485	.0493	.0514
#2	.0521	2.557	.1004	.2849	.0510	74.41	.0482	.0491	.0514
#3	.0514	2.508	.1003	.2846	.0517	74.63	.0482	.0492	.0516

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1047	3.606	10.88	7.300	.1898	.0934	15.28	.1058	.0466
Stddev	.0001	.013	.07	.027	.0003	.0002	.04	.0002	.0010
%RSD	.1305	.3567	.6750	.3670	.1370	.2412	.2744	.2197	2.138
#1	.1046	3.611	10.80	7.277	.1895	.0935	15.23	.1060	.0462
#2	.1049	3.616	10.94	7.329	.1901	.0935	15.29	.1056	.0477

Sample Name: MP33402-S1 Acquired: 3/1/2018 18:14:51 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0502	28.83	1.966	2.171	0537	97.79	0499	5063	2118
Stddev	.0095	.13	.015	.014	.0004	.76	.0002	.0026	.0001
%RSD	1.035	.4512	.7789	.6400	.8112	.7810	.4893	.5190	.0656

#1	.0508	28.71	1.982	2.159	.0532	97.22	0501	5086	2119
#2	.0501	28.81	1.952	2.168	.0540	97.50	0496	5035	2117
#3	.0498	28.97	1.965	2.187	.0539	98.66	0499	5069	2117

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2670	27.72	28.05	28.36	6581	5063	31.90	5354	4907
Stddev	.0011	.11	.11	.27	.0020	.0026	.10	.0017	.0022
%RSD	.3947	.3935	.4028	.9631	.3054	.5216	.3241	.3096	.4490

#1	.2665	27.60	27.97	28.04	.6603	.5091	31.80	5368	4932
#2	.2682	27.76	28.00	28.48	.6572	.5039	31.89	5336	4899
#3	.2663	27.80	28.18	28.55	.6566	.5059	32.00	5359	4890

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	5007	1.948	5.155	5.337	6165	5555	1.913	5100	6192
Stddev	.0049	.007	.030	.0028	.0050	.0016	.009	.0006	.0025
%RSD	.9753	.3587	.5831	.5220	.8058	.2823	.4625	.1262	.4030

#1	.5063	1.956	5.188	.5353	.6115	.5546	1.923	.5106	6207
#2	.4986	1.942	5.129	.5305	.6167	.5573	1.906	.5094	6163
#3	.4973	1.946	5.147	.5352	.6214	.5546	1.909	.5101	6206

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1576.4	4426.6	30375.	3586.3
Stddev	7.0	20.7	88.	38.9
%RSD	.44414	.46815	.29041	1.0837

#1	1569.1	4405.7	30343.	3607.0
#2	1583.1	4447.1	30475.	3610.6
#3	1577.0	4426.9	30308.	3541.5

Sample Name: MP33402-S2 Acquired: 3/1/2018 18:19:04 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0502	28.87	1.965	2.161	0535	97.57	0497	5042	2111
Stddev	.0097	.07	.005	.002	.0001	.24	.0001	.0005	.0005
%RSD	1.326	.2558	.2578	.0716	.1335	.2464	.2751	.1060	.2171

#1	.0508	28.91	1.962	2.163	.0535	97.83	0497	5036	2106
#2	.0503	28.91	1.961	2.161	.0536	97.35	0499	5047	2115
#3	.0495	28.78	1.971	2.160	.0534	97.53	0497	5043	2111

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2664	27.68	27.83	28.23	6541	5067	31.67	5335	4930
Stddev	.0014	.12	.05	.19	.0013	.0007	.03	.0008	.0026
%RSD	.5263	.4416	.1818	.6572	.1995	.1292	.1041	.1427	.5350

#1	.2648	27.80	27.82	28.44	.6527	.5060	31.69	5335	4915
#2	.2676	27.56	27.79	28.13	.6553	.5067	31.69	5343	4961
#3	.2667	27.67	27.89	28.11	.6544	.5073	31.64	5328	4915

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	4993	1.952	5.162	5.347	6165	5525	1.917	5085	6215
Stddev	.0027	.005	.010	.0006	.0020	.0022	.005	.0037	.0008
%RSD	.5421	.2597	.1947	.1076	.3254	.3994	.2784	.7346	.1346

#1	.4974	1.948	5.151	.5340	.6173	.5501	1.911	.5043	6216
#2	.4981	1.951	5.171	.5350	.6180	.5545	1.922	.5098	6206
#3	.5024	1.958	5.163	.5351	.6142	.5528	1.916	.5114	6222

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1578.4	4435.6	30521.	3597.6
Stddev	4.3	1.5	63.	11.9
%RSD	.27406	.03350	.20788	.32958

#1	1578.0	4437.1	30595.	3584.8
#2	1574.2	4435.6	30486.	3599.9
#3	1582.9	4434.1	30484.	3608.2

Sample Name: FA52055-2 Acquired: 3/1/2018 18:23:17 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0005	0266	0006	0198	-0001	209.6	0000	0174	0007
Stddev	.0006	.0057	.0002	.0007	.0001	.4	.000	.0002	.0001
%RSD	126.1	21.51	34.38	3.651	92.71	.1707	388.3	1.375	18.57

#1	.0009	.0261	.0004	.0201	.0000	209.5	.0000	.0174	.0006
#2	-.0002	.0325	.0008	.0189	-.0001	209.3	.0000	.0177	.0008
#3	.0006	.0211	.0006	.0203	-.0001	210.0	.0000	.0173	.0006

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0185	6.336	3989	1.929	7143	0001	5.741	0055	0060
Stddev	.0003	.010	.0088	.021	.0004	.0001	.013	.0000	.0005
%RSD	1.381	.1570	2.204	1.100	.0577	67.66	2.174	.2839	8.350

#1	.0184	6.347	4084.	1.950	.7142	.0002	5.750	.0055	.0065
#2	.0183	6.334	3911.	1.929	.7148	.0000	5.727	.0055	.0060
#3	.0188	6.327	.3971	1.908	.7140	.0002	5.747	.0055	.0055

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0016	0003	2.838	0010	0540	0025	-0001	0008	0937
Stddev	.0005	.0012	.013	.0002	.0003	.0003	.0022	.0002	.0001
%RSD	29.34	401.1	.4694	22.21	.5168	10.09	3143.	24.13	.1359

#1	.0020	-.0011	2.848	.0008	.0537	.0025	.0009	.0010	.0938
#2	.0016	.0010	2.844	.0012	.0543	.0028	.0014	.0008	.0936
#3	.0011	.0009	2.823	.0010	.0540	.0023	-.0025	.0006	.0938

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1604.8	4400.8	30285.	3630.6
Stddev	5.7	14.0	34.	6.4
%RSD	.35443	.31907	.11225	.17745

#1	1602.6	4391.7	30314.	3626.7
#2	1600.4	4393.8	30248.	3638.1
#3	1611.2	4417.0	30294.	3627.1

Sample Name: FA51951-1 Acquired: 3/1/2018 18:27:42 Type: Unk
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0003	9311	-0006	0120	0000	57.57	-0001	-0001	0018
Stddev	.0001	.0171	.0005	.0005	.000	.12	.0000	.0001	.0002
%RSD	57.05	1.842	78.77	4.051	69.24	.2006	52.31	65.01	10.60

#1	.0001	9198	-.0005	.0115	.0000	57.49	-.0001	-.0001	.0016
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Sample Name: FA51972-1 Acquired: 3/1/2018 18:32:10 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0004	1.149	0014	0513	0001	47.37	0006	0023	0026
Stddev	.0002	.031	.0006	.0002	.0000	.17	.0000	.0001	.0001
%RSD	40.27	2.668	41.87	.3311	10.58	.3495	3.380	2.774	4.534

#1	-0003	1.120	0014	0512	0001	47.21	0006	0023	0024
#2	-0006	1.146	0008	0513	0001	47.54	0006	0022	0026
#3	-0003	1.181	0020	0515	0001	47.37	0006	0023	0026

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0557	6167	4.525	10.49	0068	0003	55.45	0043	0045
Stddev	.0002	.0086	.013	.08	.0000	.0001	.12	.0003	.0009
%RSD	.3799	1.392	.2777	.8019	.4586	25.67	.2169	7.351	21.04

#1	.0555	.6097	4.515	10.40	.0068	.0003	55.38	.0040	.0034
#2	.0557	.6141	4.539	10.57	.0068	.0004	55.39	.0047	.0051
#3	.0559	.6263	4.521	10.51	.0068	.0002	55.59	.0042	.0050

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0017	0031	3.442	0001	3528	0117	-0015	0169	1418
Stddev	.0012	.0026	.004	.0001	.0010	.0006	.0008	.0003	.0005
%RSD	72.45	84.03	.1217	93.02	.2753	5.280	53.75	1.800	3.320

#1	.0024	.0025	3.443	.0002	.3521	.0123	-.0022	.0172	.1415
#2	.0023	.0059	3.437	.0001	.3539	.0111	-.0006	.0167	.1416
#3	.0003	.0008	3.445	.0000	.3524	.0115	-.0018	.0168	.1424

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1628.6	4588.7	31200.	3685.4
Stddev	.4	9.0	117.	6.4
%RSD	.02194	.19670	.37398	.17425

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Sample Name: CCV Acquired: 3/1/2018 18:36:35 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2457	41.26	1.966	2.070	2.072	40.80	1.973	1.996	2.039
Stddev	.0031	.25	.001	.005	.006	.13	.003	.002	.011
%RSD	1.255	.5995	.0463	.2639	.2881	.3100	.1361	.1137	.5427

#1	2424	40.99	1.966	2.064	2.065	40.75	1.975	1.998	2.027
#2	2485	41.47	1.967	2.075	2.074	40.95	1.975	1.998	2.049
#3	2461	41.34	1.965	2.071	2.076	40.71	1.970	1.994	2.042

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.025	40.57	41.59	41.03	2.005	2.023	40.13	2.017	1.967
Stddev	.008	.19	.19	.27	.012	.002	.08	.002	.002
%RSD	.4018	.4802	.4452	.6517	.5841	.0880	2.004	.0998	.1021

#1	2.016	40.38	41.59	40.81	1.993	2.022	40.17	2.017	1.969
#2	2.031	40.77	41.77	41.33	2.017	2.025	40.18	2.019	1.966
#3	2.027	40.57	41.40	40.96	2.004	2.022	40.04	2.015	1.965

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.975	1.982	1.956	2.046	2.137	2.074	1.954	2.096	2.061
Stddev	.006	.006	.005	.001	.010	.003	.009	.006	.001
%RSD	.3051	.3170	.2328	.0607	.4657	.1588	.4706	.2825	.0540

#1	1.977	1.983	1.951	2.045	2.126	2.072	1.962	2.089	2.062
#2	1.980	1.988	1.958	2.048	2.142	2.072	1.956	2.099	2.061
#3	1.968	1.975	1.960	2.046	2.144	2.078	1.944	2.101	2.060

Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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Sample Name: CCV Acquired: 3/1/2018 18:36:35 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1594.3	4532.5	31385.	3728.4
Stddev	1.7	11.4	38.	19.2
%RSD	.10703	.25224	.12042	.51368

#1	1596.1	4544.5	31394.	3710.8
#2	1592.8	4521.7	31343.	3725.7
#3	1593.9	4531.4	31418.	3748.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0002	0146	0482	0317	0002	0010	0168	0006	-0003
Stddev	.0005	.0018	.0970	.0172	.0000	.0003	.0050	.0001	.0010
%RSD	342.0	12.18	201.2	54.12	23.62	34.62	29.82	12.61	362.8

#1	.0002	.0136	.1584	.0264	.0001	.0013	.0113	.0007	.0008
#2	-0008	.0135	.0105	.0510	.0002	.0010	.0179	.0005	-0012
#3	.0000	.0166	-.0243	.0179	.0002	.0006	.0211	.0007	-0004

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0004	-0008	0012	0002	0003	0005	F_0023	0000	0003
Stddev	.0001	.0015	.0010	.0004	.0000	.0001	.0015	.000	.0000
%RSD	33.18	190.1	82.46	210.0	16.67	29.15	64.95	755.4	10.88

#1	.0003	.0007	.0012	-.0003	.0003	.0004	.0019	.0003	.0003
#2	.0005	-.0008	.0002	.0005	.0003	.0004	.0010	-.0003	.0003
#3	.0005	-.0023	.0021	.0003	.0002	.0006	.0040	-.0002	.0003

Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							.0020		
Low Limit							-.0020		

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Sample Name: CCB Acquired: 3/1/2018 18:40:49 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1747.0	4774.2	32834.	3773.8
Stddev	4.1	11.1	11.	20.2
%RSD	.23623	.23202	.03233	.53526

#1	1749.7	4776.5	32823.	3751.8
#2	1749.0	4783.9	32835.	3791.4
#3	1742.3	4762.1	32844.	3778.3

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Sample Name: FA52020-3F Acquired: 3/1/2018 18:45:20 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	0.166	0.012	0.053	0.000	270.7	0.004	-0.002	0.017
Stddev	.0002	.0108	.0012	.0008	.000	3.0	.0000	.0002	.0001
%RSD	271.3	65.37	96.16	1.494	139.3	1.102	6.359	85.81	7.504

#1	-0.001	0.054	0.010	0.059	0.000	268.9	0.004	-0.003	0.016
#2	.0001	0.173	.0001	0.059	.0000	269.1	.0004	-0.001	0.018
#3	-0.003	0.0270	0.024	0.0553	0.000	274.1	0.004	-0.001	0.016

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.010	0.265	4.633	68.47	0.010	0.023	96.63	0.012	0.015
Stddev	.0002	.0052	.090	.75	.0009	.0001	.93	.0001	.0008
%RSD	23.35	19.53	1.952	1.090	2.287	3.982	9.663	4.786	53.42

#1	-0.007	0.211	4.560	68.00	0.0399	0.022	95.62	0.012	0.018
#2	-0.011	0.314	4.606	68.09	0.0413	0.024	96.81	0.012	0.021
#3	-0.011	0.271	4.734	69.33	0.0417	0.022	97.47	0.013	0.006

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.011	0.027	10.54	-0.003	2.457	0.023	-0.010	0.010	0.019
Stddev	.0007	.0025	.00	.0001	.027	.0000	.0016	.0004	.0001
%RSD	64.22	94.18	0.168	56.27	1.110	6.796	157.2	3.776	3.303

#1	.0009	.0002	10.54	-0.003	2.439	.0023	-0.028	.0096	.0019
#2	.0019	.0053	10.54	-0.001	2.445	.0023	-0.004	.0104	.0018
#3	.0005	.0026	10.54	-0.004	2.489	.0023	.0002	.0100	.0018

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1531.3	4264.7	29019.	3551.4
Stddev	5.3	12.8	549.	42.5
%RSD	.34766	.30036	1.8930	1.1969

#1	1525.3	4250.0	29611.	3571.7
#2	1535.6	4273.1	28920.	3579.9
#3	1532.9	4271.1	28526.	3502.5

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7.2
7

Sample Name: FA52020-4F Acquired: 3/1/2018 18:49:47 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.002	0.281	0.007	0.0379	0.000	215.1	0.007	-0.002	0.031
Stddev	.0002	.0081	.0007	.0005	.000	1.9	.0001	.0001	.0004
%RSD	113.5	28.78	101.7	1.380	109.1	8871	12.96	34.96	11.87

#1	.0004	0.369	.0004	0.0385	.0000	216.7	.0006	-0.002	0.027
#2	.0000	0.212	.0015	0.0376	.0000	213.0	.0008	-0.002	0.034
#3	.0001	0.261	.0002	0.0376	-.0001	215.4	.0008	-0.003	0.030

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.002	0.263	4.719	55.83	0.013	0.017	136.5	0.011	0.008
Stddev	.0004	.0009	.104	.35	.0000	.0002	1.2	.0001	.0022
%RSD	168.4	3.292	2.196	.6343	2.210	9.002	.9081	12.92	283.9

#1	.0000	0.253	4.778	56.08	.0013	.0016	137.4	.0012	.0032
#2	.0006	0.266	4.599	55.43	.0013	.0018	135.1	.0010	-.0010
#3	.0001	0.270	4.780	55.99	.0014	.0016	137.0	.0009	.0001

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.016	0.018	11.12	0.003	2.098	0.030	-0.020	0.047	0.093
Stddev	.0009	.0012	.04	.0003	.017	.0001	.0001	.0002	.0000
%RSD	58.27	68.61	.3487	115.6	.8049	2.247	6.169	3.499	.1454

#1	.0007	0.013	11.10	.0001	2.108	0.030	-.0021	0.046	0.093
#2	.0016	0.032	11.09	.0006	2.078	0.029	-.0019	0.046	0.093
#3	.0026	.0009	11.16	.0001	2.107	0.030	-.0019	0.049	0.093

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1568.2	4359.2	29754.	3669.9
Stddev	.9	8.9	81.	25.7
%RSD	.05506	.20429	.27165	.69986

#1	1568.0	4366.8	29766.	3640.9
#2	1567.4	4361.5	29667.	3678.7
#3	1569.1	4349.4	29828.	3690.0

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Sample Name: FA50638-3A Acquired: 3/1/2018 18:54:13 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	1.215	0.086	1.176	0.000	121.1	0.001	0.011	0.024
Stddev	.0006	.054	.0006	.0005	.0001	.1	.0000	.0001	.0004
%RSD	389.6	4.447	6.978	4.525	344.0	.0983	42.18	5.304	17.80

#1	-0.007	1.167	.0085	1.181	.0000	121.0	.0001	.0011	.0029
#2	-0.004	1.205	.0080	1.171	.0000	121.1	.0000	.0012	.0020
#3	-0.002	1.274	.0092	1.178	.0001	121.2	.0001	.0011	.0025

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.077	1.773	14.26	44.20	0.594	0.070	206.9	0.057	0.015
Stddev	.0001	.012	.02	.22	.0021	.0003	1.4	.0002	.0010
%RSD	1.888	.6942	.1478	.5007	.3634	3.673	6.955	3.802	65.80

#1	.0078	1.782	14.28	44.04	.5674	.0070	207.9	.0055	.0025
#2	.0077	1.759	14.24	44.11	.5694	.0072	207.5	.0057	.0014
#3	.0075	1.777	14.26	44.45	.5715	.0067	205.2	.0059	.0006

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.001	0.009	6.377	0.001	1.119	0.530	-0.012	0.033	0.121
Stddev	.0005	.0016	.022	.0003	.003	.0029	.0008	.0004	.0001
%RSD	460.6	177.2	.3521	255.4	.3070	5.550	61.54	11.10	.7789

#1	-0.006	-0.008	6.388	0.002	1.115	0.5060	-0.006	0.029	0.122
#2	.0000	.0011	6.351	-0.002	1.121	.0528	-.0021	0.037	0.120
#3	.0003	.0025	6.392	0.003	1.121	.0501	-.0010	0.034	0.121

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1551.5	4350.0	29519.	3599.4
Stddev	5.2	8.5	98.	17.6
%RSD	.33782	.19577	.33248	.48896

#1	1545.6	4340.7	29626.	3596.3
#2	1553.1	4351.7	29497.	3583.5
#3	1555.7	4357.5	29434.	3618.3

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Sample Name: FA50638-4A Acquired: 3/1/2018 18:58:45 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.002	2.290	0.082	1.045	-0.001	92.97	-0.001	-0.002	0.009
Stddev	.0003	.0050	.0004	.0002	.0001	.33	.0000	.0001	.0003
%RSD	145.4	2.167	5.172	1.740	129.2	352.0	63.35	52.19	34.09
#1	-0.002	2.237	0.086	1.047	0.000	93.08	-0.001	-0.001	0.006
#2	.0004	2.298	.0078	1.044	-0.002	92.60	-0.001	-0.003	.0012
#3	.0005	2.335	.0080	1.044	-0.002	93.23	0.000	-0.002	.0011
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.008	2.782	19.73	53.14	4.298	0.084	316.1	0.009	0.006
Stddev	.0002	.014	.08	.34	.0019	.0001	1.5	.0001	.0007
%RSD	31.71	4.955	3.914	6.340	4.390	8.906	4.780	11.72	12.34
#1	.0008	2.781	19.82	53.28	4.302	0.084	315.0	0.009	0.004
#2	.0005	2.769	19.67	52.76	4.278	0.084	315.5	0.009	.0014
#3	.0010	2.797	19.70	53.38	4.315	0.085	317.8	0.007	0.000
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.010	0.006	5.755	0.001	1.112	0.113	-0.014	0.001	0.009
Stddev	.0015	.0006	.010	.0005	.02	.0011	.0010	.0000	.0000
%RSD	149.1	103.1	1.791	733.2	1.787	9.494	76.65	26.28	4.229
#1	-0.007	0.009	5.746	-0.004	1.114	0.125	-0.004	0.001	0.009
#2	.0018	0.009	5.766	0.001	1.110	0.107	-0.025	0.001	0.009
#3	.0019	-0.001	5.753	0.005	1.113	0.106	-0.012	0.002	0.009
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1531.3	4323.7	29253.	3577.5					
Stddev	3.2	12.8	100.	33.7					
%RSD	20974	2.9557	34229	94169					
#1	1531.9	4337.0	29260.	3558.5					
#2	1527.8	4311.5	29350.	3616.4					
#3	1534.2	4322.5	29150.	3557.6					

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Sample Name: MP33402-MB2A Acquired: 3/1/2018 19:03:18 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	0.196	-0.015	0.000	-0.001	0.089	0.000	-0.002	0.000
Stddev	.0003	0.106	0.009	0.003	0.001	0.030	.000	.000	.000
%RSD	66.82	53.99	61.37	695.5	55.96	30.07	77.32	30.84	108.7
#1	-0.006	0.117	-0.012	-0.001	-0.002	0.128	0.000	-0.002	0.000
#2	-0.006	0.317	-0.008	0.004	-0.001	0.068	-0.001	-0.002	-0.002
#3	-0.001	0.156	-0.026	-0.001	-0.001	0.102	-0.001	-0.001	0.002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.005	-0.022	0.353	-0.098	0.000	-0.006	1.864	0.001	-0.002
Stddev	.0002	.0017	.0222	.0142	.000	.0001	0.035	.0001	.0009
%RSD	54.70	78.49	62.88	144.8	727.3	21.56	1.867	93.43	522.3
#1	-0.002	-0.005	0.599	-0.194	0.000	-0.006	1.899	0.002	-0.012
#2	-0.005	-0.021	0.166	0.065	0.000	-0.007	1.830	0.002	0.007
#3	-0.007	-0.039	0.296	-0.165	0.000	-0.004	1.864	0.000	-0.001
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.012	0.013	0.130	0.001	0.002	-0.001	-0.012	-0.003	0.003
Stddev	.0007	.0007	.0004	.0001	.0001	.0001	.0011	.0004	.0001
%RSD	58.29	56.81	2.855	184.2	51.96	121.2	94.73	117.5	17.81
#1	.0015	0.006	0.127	0.002	0.003	-0.002	0.001	-0.002	0.003
#2	.0004	0.020	0.128	0.001	0.001	-0.001	-0.017	0.000	0.003
#3	.0018	0.012	0.134	-0.001	0.001	0.000	-0.019	-0.007	0.002
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1701.5	4635.1	32377.	3729.0					
Stddev	1.7	5.0	81.	29.4					
%RSD	0.9867	1.0855	2.5167	7.8953					
#1	1701.9	4631.7	32412.	3696.5					
#2	1699.6	4640.9	32284.	3736.4					
#3	1702.9	4632.7	32435.	3754.0					

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7.2
7

Sample Name: CRIA Acquired: 3/1/2018 19:07:49 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.084	1.864	0.088	1.987	0.048	9.682	0.049	0.482	0.098
Stddev	.0005	.0128	.0007	.0014	.0001	.0050	.0000	.0002	.0005
%RSD	5.833	6.880	7.512	6.842	1.268	5.132	3.520	3.300	4.696
#1	.0085	1.980	0.081	1.983	0.048	9.628	0.049	0.483	0.093
#2	.0078	1.726	0.089	2.002	0.049	9.725	0.049	0.482	0.102
#3	.0087	1.886	0.095	1.975	0.048	9.692	0.049	0.480	0.099
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.040	2.923	9.789	4.823	0.145	0.446	9.569	0.399	0.045
Stddev	.0003	.0059	.037	.037	.0001	.0002	.021	.0001	.0017
%RSD	1.417	2.006	3.747	7.481	3.879	4.001	2.228	3.274	37.81
#1	0.0236	2.909	9.747	4.934	0.144	0.446	9.545	0.401	0.045
#2	0.0243	2.987	9.812	4.952	0.145	0.447	9.580	0.399	0.028
#3	0.0242	2.873	9.809	4.881	0.146	0.444	9.583	0.399	0.062
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.047	0.086	0.047	0.487	0.100	0.097	0.093	0.473	0.196
Stddev	.0011	.0003	.0002	.0002	.0001	.0001	.0017	.0005	.0001
%RSD	23.91	3.269	3.799	4.458	1.9409	1.7036	18.17	1.146	6.217
#1	0.034	0.086	0.048	0.484	0.101	0.096	0.074	0.467	0.196
#2	0.055	0.089	0.045	0.487	0.099	0.098	0.105	0.473	0.194
#3	0.053	0.084	0.049	0.488	0.099	0.097	0.101	0.478	0.196
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1734.1	4721.3	32453.	3799.6					
Stddev	2.9	6.6	145.	16.1					
%RSD	1.6875	1.3977	4.4820	4.2241					
#1	1737.2	4725.3	32597.	3807.4					
#2	1731.3	4713.7	32456.	3781.1					
#3	1733.8	4724.9	32307.	3810.3					

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Sample Name: ICSA Acquired: 3/1/2018 19:12:16 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.000	F 534.4	0.016	0.005	-0.001	482.6	-0.004	-0.004	0.001
Stddev	.0006	6.1	.0004	.0003	.0000	3.4	.0001	.0002	.0001
%RSD	1617.0	1.146	26.91	59.10	13.84	7.051	15.62	66.99	119.7
#1	.0000	530.5	0.012	0.007	-0.001	484.8	-0.003	-0.002	0.000
#2	.0006	541.5	0.021	0.006	-0.001	484.3	-0.004	-0.006	0.003
#3	-0.0006	531.3	0.016	0.002	-0.001	478.7	-0.004	-0.003	0.001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.008	186.4	0.578	F 530.8	-0.003	0.000	1.641	0.006	-0.017
Stddev	.00								

Sample Name: ICSAB Acquired: 3/1/2018 19:16:54 Type: Unk
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	F 1.145	F 544.1	1.058	.5298	.5153	478.5	.9347	.4833	.5029
Stddev	.014	4.7	.003	.0069	.0053	1.5	.0013	.0005	.0053
%RSD	1.213	.8579	.3158	1.304	1.031	.3130	.1391	.1005	1.051

#1	1.156	544.2	1.062	.5331	.5178	476.8	.9352	.4838	.5083
#2	1.150	548.6	1.056	.5344	.5189	479.1	.9357	.4834	.5028
#3	1.130	539.3	1.056	.5219	.5092	479.5	.9332	.4828	.4977

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5451	187.8	.0708	F 523.6	.4956	.9066	.1731	.9832	.9435
Stddev	.0058	1.8	.0421	4.4	.0055	.0006	.0070	.0005	.0018
%RSD	1.068	.9321	59.52	.8405	1.117	.0645	4.051	.0532	.1928

#1	.5493	188.8	.0602	526.3	.4994	.9072	.1775	.9837	.9426
#2	.5476	188.8	.1172	526.0	.4982	.9066	.1768	.9834	.9424
#3	.5385	185.8	.0350	518.5	.4893	.9060	.1650	.9826	.9456

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.9776	.9402	.0547	.9325	1.038	.9982	.9024	.5000	.9634
Stddev	.0020	.0056	.0008	.0009	.013	.0120	.0044	.0050	.0003
%RSD	.2087	.5994	1.504	.0920	1.214	1.205	.4852	.9994	.0345

#1	.9790	.9377	.0539	.9333	1.046	1.006	.8981	.5030	.9637
#2	.9785	.9466	.0556	.9327	1.045	1.005	.9069	.5029	.9631
#3	.9753	.9362	.0546	.9316	1.024	.9843	.9024	.4943	.9634

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1424.0	4082.8	2782.0	3489.3
Stddev	3.8	6.7	385.	25.5
%RSD	.26999	.16346	1.3853	.72981

#1	1420.0	4076.3	2747.0	3474.4
#2	1427.7	4082.4	2775.6	3474.8
#3	1424.3	4089.6	2823.3	3518.7

Sample Name: CCV Acquired: 3/1/2018 19:21:24 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2475	41.72	1.989	2.062	2.072	40.53	1.991	2.011	2.074
Stddev	.0015	.17	.001	.003	.007	.17	.004	.004	.004
%RSD	.5917	.4020	.0448	.1516	.3264	.4086	.1881	.1929	.1687

#1	2475	41.62	1.988	2.063	2.073	40.48	1.988	2.008	2.074
#2	2490	41.91	1.990	2.064	2.079	40.72	1.991	2.009	2.071
#3	2460	41.63	1.989	2.058	2.065	40.40	1.995	2.015	2.078

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.042	41.08	41.26	41.32	2.031	2.042	40.08	2.029	1.987
Stddev	.005	.06	.16	.15	.003	.005	.06	.002	.006
%RSD	.2291	.1361	.3911	.3540	.1443	.2304	.1518	.0909	.3151

#1	2.037	41.02	41.09	41.32	2.034	2.038	40.15	2.027	1.989
#2	2.047	41.10	41.29	41.47	2.028	2.041	40.07	2.028	1.980
#3	2.042	41.12	41.41	41.18	2.031	2.048	40.03	2.031	1.992

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.996	2.002	1.971	2.059	2.137	2.079	1.959	2.127	2.078
Stddev	.001	.007	.003	.005	.003	.002	.010	.001	.004
%RSD	.0633	.3296	.1648	.2221	.1417	.1084	.4941	.0227	.2115

#1	1.994	1.995	1.967	2.054	2.139	2.078	1.948	2.128	2.076
#2	1.997	2.009	1.973	2.060	2.138	2.081	1.963	2.127	2.075
#3	1.996	2.002	1.972	2.064	2.133	2.077	1.966	2.127	2.083

Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Sample Name: CCV Acquired: 3/1/2018 19:21:24 Type: QC
 Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1583.8	4492.7	30959.	3694.9
Stddev	6.2	17.0	101.	15.9
%RSD	.38939	.37801	.32701	.42916

#1	1587.1	4504.4	30963.	3689.2
#2	1587.7	4500.4	31058.	3682.7
#3	1576.7	4473.2	30856.	3712.8

Check ?	High Limit	Low Limit
Chk Pass		
Chk Pass		
Chk Pass		
Chk Pass		
Chk Pass		
Chk Pass		
Chk Pass		
Chk Pass		
Chk Pass		

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0152	.0315	.0108	.0001	F .0010	.0364	.0005	-0.002
Stddev	.0002	.0048	.0532	.0083	.0000	.0004	.0031	.0001	.0002
%RSD	116.1	31.30	168.9	76.88	40.11	35.51	8.605	9.823	71.96

#1	-0.002	.0108	.0852	.0043	.0001	.0014	.0329	.0006	-0.002
#2	-0.004	.0146	-.0213	.0079	.0002	.0010	.0390	.0005	-0.001
#3	.0000	.0203	.0307	.0202	.0001	.0007	.0373	.0006	-0.004

Check ?	High Limit	Low Limit
Chk Pass		
Chk Pass		
Chk Pass		
Chk Pass		
Chk Pass		
Chk Fail	.0010	
Chk Pass		
Chk Pass		
Chk Pass		

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	F .0024	.0007	.0002	.0003	.0005	.0015	.0001	.0004
Stddev	.0018	.0013	.0004	.0002	.0001	.0002	.0023	.0002	.0000
%RSD	273.2	53.26	61.83	89.07	33.53	34.54	152.7	315.2	10.30

#1	-0.004	.0035	.0012	.0000	.0003	.0004	-0.007	-0.001	.0004
#2	-0.004	.0010	.0007	.0002	.0003	.0006	.0013	.0003	.0005
#3	.0028	.0026	.0003	.0004	.0002	.0003	.0038	.0001	.0004

Check ?	High Limit	Low Limit
Chk Pass		
Chk Fail	.0020	
None		
Chk Pass		
Chk Pass		
Chk Pass		
Chk Pass		
Chk Pass		
Chk Pass		

7.2
7

Sample Name: CCB Acquired: 3/1/2018 19:25:36 Type: QC
Method: 60102007_042011(v26) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1745.3	4738.2	32581.	3742.3
Stddev	5.2	8.3	53.	12.5
%RSD	.29510	.17554	.16302	.33370
#1	1741.3	4730.6	32586.	3734.0
#2	1743.6	4737.0	32632.	3756.6
#3	1751.1	4747.1	32526.	3736.2

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000010	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000104	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000005	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000062	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000007	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000146	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}*	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000001	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	-0.000007	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000033	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Ti	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000193	0.000000	No
			Fe	0.000066	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000003	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000011	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	0.000094	0.000000	No
			Ca	0.000008	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000031	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 { 83}	<input checked="" type="checkbox"/>	1	Ca	0.000055	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	-0.000010	0.000000	No
			Al	-0.000010	0.000000	No
			Ba	-0.000051	0.000000	No
			Ti	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000000	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	-0.000029	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Ti	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 { 94}* Y 371.030 { 91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	-0.000001	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	0.000024	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	3/1/2018 8:52:43	3/1/2018 8:24:38	Linear	1/Conc	0.000542	0.517289	0.000000	1.000000
Al 396.152 { 85}	3/1/2018 8:52:43	3/1/2018 8:24:38	Linear	1/Conc	-0.005145	0.153098	0.000000	1.000000
As 189.042 {478}	3/1/2018 8:52:43	3/1/2018 8:24:38	Linear	1/Conc	-0.000377	0.186547	0.000000	1.000000
Ba 455.403 { 74}	3/1/2018 8:52:43	3/1/2018 8:24:38	Linear	1/Conc	0.002891	9.722492	0.000000	1.000000
Be 313.042 {108}	3/1/2018 8:52:43	3/1/2018 8:24:38	Linear	1/Conc	0.000231	7.387892	0.000000	1.000000
Ca 317.933 {106}	3/1/2018 8:52:43	3/1/2018 8:24:38	Linear	1/Conc	0.006320	0.268765	0.000000	1.000000
Cd 226.502 {449}	3/1/2018 8:52:43	3/1/2018 8:24:38	Linear	1/Conc	-0.002285	5.007268	0.000000	1.000000
Co 228.616 {447}	3/1/2018 8:52:43	3/1/2018 8:24:38	Linear	1/Conc	-0.001021	2.798227	0.000000	1.000000
Cr 267.716 {126}	3/1/2018 8:52:43	3/1/2018 8:24:38	Linear	1/Conc	-0.000072	0.411591	0.000000	1.000000
Cu 324.754 {104}	3/1/2018 8:52:43	3/1/2018 8:24:38	Linear	1/Conc	0.004629	0.666581	0.000000	1.000000
Fe 259.940 {130}	3/1/2018 8:52:43	3/1/2018 8:24:38	Linear	1/Conc	0.000790	0.129938	0.000000	1.000000
In 230.606 {446}*	3/1/2018 8:52:43	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	3/1/2018 8:52:43	3/1/2018 8:24:38	Linear	1/Conc	-0.011571	0.102341	0.000000	1.000000
Mg 279.079 {121}	3/1/2018 8:52:43	3/1/2018 8:24:38	Linear	1/Conc	-0.000124	0.023629	0.000000	1.000000
Mn 257.610 {131}	3/1/2018 8:52:43	3/1/2018 8:24:38	Linear	1/Conc	0.000598	2.641573	0.000000	1.000000
Mo 202.030 {467}	3/1/2018 8:52:43	3/1/2018 8:24:38	Linear	1/Conc	0.000934	1.017757	0.000000	1.000000
Na 589.592 { 57}	3/1/2018 8:52:43	3/1/2018 8:24:38	Linear	1/Conc	-0.000226	0.409586	0.000000	1.000000
Ni 231.604 {445}	3/1/2018 8:52:43	3/1/2018 8:24:38	Linear	1/Conc	0.002397	1.527773	0.000000	1.000000
Pb 220.353 {453}	3/1/2018 8:52:43	3/1/2018 8:24:38	Linear	1/Conc	0.000170	1.006339	0.000000	1.000000
Sb 206.833 {463}	3/1/2018 8:52:43	3/1/2018 8:24:38	Linear	1/Conc	0.000597	0.224752	0.000000	1.000000
Se 196.090 {472}	3/1/2018 8:52:43	3/1/2018 8:24:38	Linear	1/Conc	0.000532	0.138310	0.000000	1.000000
Si 212.412 {459}	3/1/2018 8:52:43	3/1/2018 8:24:38	Linear	1/Conc	0.005206	0.342222	0.000000	1.000000
Sn 189.989 {477}	3/1/2018 8:52:43	3/1/2018 8:24:38	Linear	1/Conc	-0.000012	0.447601	0.000000	1.000000
Sr 407.771 { 83}	3/1/2018 8:52:43	3/1/2018 8:24:38	Linear	1/Conc	-0.005954	11.467078	0.000000	1.000000
Ti 334.941 {101}	3/1/2018 8:52:43	3/1/2018 8:24:38	Linear	1/Conc	0.001932	1.498526	0.000000	1.000000
Tl 190.856 {477}	3/1/2018 8:52:43	3/1/2018 8:24:38	Linear	1/Conc	-0.003389	0.356764	0.000000	1.000000
V 292.402 {115}	3/1/2018 8:52:43	3/1/2018 8:24:38	Linear	1/Conc	0.000035	0.469423	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	3/1/2018 8:52:43	3/1/2018 8:24:38	Linear	1/Conc	0.002714	2.835864	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999881	0.000077	0.000554	0.001847	OK	1.000000	0.000000	1	0
Al 396.152 {85}	0.999971	0.001886	0.011938	0.039792	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999984	0.000086	0.000963	0.003211	OK	1.000000	0.000000	1	0
Ba 455.403 {74}	0.999999	0.001046	0.000266	0.000887	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999992	0.002413	0.000095	0.000318	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999946	0.004493	0.003530	0.011765	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999989	0.001873	0.000058	0.000193	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999987	0.001154	0.000117	0.000390	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999918	0.000425	0.000380	0.001266	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999999	0.000084	0.000358	0.001192	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999670	0.005378	0.003327	0.011089	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 {44}	0.999992	0.000669	0.035797	0.119324	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999957	0.000355	0.023410	0.078035	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999820	0.004037	0.000058	0.000193	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999937	0.000917	0.000180	0.000601	OK	1.000000	0.000000	1	0
Na 589.592 {57}	0.999984	0.003748	0.008839	0.029463	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999993	0.000468	0.000217	0.000724	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999931	0.000958	0.000756	0.002519	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999992	0.000074	0.001311	0.004370	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999971	0.000085	0.001903	0.006343	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.999874	0.000438	0.000612	0.002039	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999927	0.000435	0.000355	0.001183	OK	1.000000	0.000000	1	0
Sr 407.771 {83}	0.999886	0.013967	0.000132	0.000441	OK	1.000000	0.000000	1	0
Tl 334.941 {101}	0.999948	0.001228	0.000169	0.000563	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999920	0.000365	0.001266	0.004221	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999924	0.000459	0.000403	0.001342	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 {94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 {91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999956	0.002155	0.000076	0.000253	OK	1.000000	0.000000	1	0

Sample Name: HSTD Acquired: 3/2/2018 9:24:59 Type: QC
 Method: 60102007_042011(v28) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5000	79.60	3.960	3.985	3.960	79.28	3.942	3.945	3.935
Stddev	.0012	.42	.010	.022	.018	.45	.009	.008	.011
%RSD	.2331	.5274	.2612	.5563	.4413	.5720	.2358	.1999	.2894
#1	5008	79.38	3.951	3.971	3.954	79.15	3.932	3.936	3.945
#2	5005	79.33	3.971	3.974	3.947	78.91	3.948	3.949	3.923
#3	4986	80.08	3.958	4.011	3.980	79.79	3.948	3.950	3.938

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.952	78.33	79.78	79.45	3.915	3.976	79.35	3.957	3.987
Stddev	.012	.39	.37	.55	.005	.006	.47	.006	.002
%RSD	.2944	.5014	.4592	.6963	.1360	.1454	.5924	.1569	.0375
#1	3.965	78.23	79.72	79.52	3.920	3.969	79.11	3.950	3.987
#2	3.951	78.00	79.44	78.86	3.915	3.980	79.05	3.958	3.988
#3	3.942	78.77	80.17	79.96	3.910	3.978	79.89	3.963	3.985

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.957	3.971	3.940	3.943	3.988	3.963	3.989	3.969	3.933
Stddev	.006	.014	.013	.004	.019	.009	.001	.005	.008
%RSD	.1559	.3428	.3272	.1087	.4654	.2182	.0309	.1377	.1926
#1	3.954	3.956	3.925	3.938	3.978	3.973	3.990	3.969	3.924
#2	3.953	3.976	3.946	3.946	3.976	3.957	3.988	3.964	3.937
#3	3.964	3.982	3.949	3.946	4.009	3.958	3.990	3.974	3.937

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: HSTD Acquired: 3/2/2018 9:24:59 Type: QC
 Method: 60102007_042011(v28) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1494.0	4254.2	30124.	3780.2
Stddev	1.1	9.0	138.	31.0
%RSD	.07499	.21075	.45666	.81916
#1	1494.0	4263.7	29972.	3785.0
#2	1495.1	4253.1	30240.	3808.5
#3	1492.8	4245.8	30160.	3747.1

7.3
7

Sample Name: ICV Acquired: 3/2/2018 9:29:12 Type: QC
 Method: 60102007_042011(v28) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2419	40.56	1.963	2.005	2.014	41.05	1.980	1.987	1.970
Stddev	.0007	.20	.004	.010	.007	.29	.004	.003	.008
%RSD	.2949	.4869	.2144	.4826	.3289	.7080	.1925	.1251	.4237
#1	2411	40.33	1.965	1.994	2.006	40.73	1.984	1.990	1.960
#2	2422	40.66	1.967	2.013	2.018	41.13	1.977	1.986	1.976
#3	2425	40.68	1.959	2.006	2.017	41.29	1.979	1.985	1.974

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.975	39.95	39.88	41.07	1.964	1.865	39.84	1.991	1.939
Stddev	.006	.08	.23	.33	.003	.002	.10	.001	.006
%RSD	.3061	.1998	.5853	.7944	.1493	.1075	.2611	.0247	.2936
#1	1.968	39.88	39.61	40.70	1.962	1.867	39.72	1.991	1.945
#2	1.979	39.94	40.03	41.18	1.967	1.864	39.92	1.992	1.933
#3	1.979	40.04	40.00	41.33	1.962	1.864	39.89	1.992	1.940

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.969	1.975	2.385	2.064	1.947	1.980	2.014	1.914	1.973
Stddev	.006	.004	.0003	.003	.008	.003	.009	.002	.003
%RSD	.3235	.2216	.1211	.1409	.4236	.1676	.4368	.1275	.1634
#1	1.976	1.973	2.382	2.067	1.938	1.976	2.020	1.912	1.976
#2	1.968	1.980	2.384	2.061	1.953	1.982	2.004	1.917	1.970
#3	1.963	1.973	2.388	2.065	1.951	1.982	2.019	1.913	1.974

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: ICV Acquired: 3/2/2018 9:29:12 Type: QC
 Method: 60102007_042011(v28) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1600.2	4403.3	31004.	3832.3
Stddev	3.4	6.7	59.	37.7
%RSD	.20984	.15283	.18961	.98390
#1	1597.1	4397.2	31007.	3875.8
#2	1603.8	4410.6	30944.	3811.0
#3	1599.8	4402.3	31061.	3810.0

Sample Name: ICB Acquired: 3/2/2018 9:36:40 Type: QC
 Method: 60102007_042011(v28) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	-0.192	0.010	-0.002	0.000	-0.019	0.000	0.001	0.001
Stddev	.0003	.0036	.0005	.0003	.000	.0031	.000	.0000	.0002
%RSD	78.67	18.85	48.88	186.7	3424.	164.1	86.23	60.65	150.7
#1	-0.004	-0.229	0.015	-0.005	0.000	-0.023	0.000	0.001	-0.001
#2	-0.001	-0.191	0.009	0.000	0.000	0.014	0.000	0.000	0.002
#3	-0.007	-0.157	0.005	0.000	0.000	-0.047	0.000	0.001	0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.002	-0.025	0.465	-0.0246	0.000	F_0.013	-0.0058	-0.0002	-0.0003
Stddev	.0001	.0029	.0187	.0084	.0000	.0003	.0091	.0002	.0009
%RSD	40.02	116.5	40.11	34.08	147.7	23.41	154.8	101.4	354.9
#1	.0003	-0.045	0.348	-0.282	0.001	0.016	0.023	-0.002	0.004
#2	.0002	-0.037	0.681	-0.150	0.000	0.011	-0.156	0.000	-0.013
#3	.0001	0.008	0.368	-0.0305	0.000	0.011	-0.043	-0.004	0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.002	0.013	0.001	0.003	0.002	0.007	0.018	0.003	-0.001
Stddev	.0003	.0008	.0004	.0000	.0001	.0001	.0012	.0002	.0000
%RSD	182.8	58.63	450.3	1.652	83.71	12.66	63.79	48.06	13.91
#1	.0004	0.010	-0.001	0.003	0.000	0.008	0.005	0.002	0.000
#2	-0.002	0.021	0.005	0.003	0.003	0.006	0.028	0.005	-0.001
#3	0.002	0.007	-0.002	0.003	0.002	0.007	0.022	0.003	-0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 3/2/2018 9:36:40 Type: QC
 Method: 60102007_042011(v28) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1776.9	4662.9	32805.	3928.3
Stddev	2.9	4.9	120.	13.8
%RSD	.16167	.10586	.36672	.35235
#1	1774.2	4657.3	32822.	3918.1
#2	1779.9	4666.6	32915.	3927.7
#3	1776.5	4664.8	32677.	3944.0

Sample Name: CRIA Acquired: 3/2/2018 9:40:18 Type: QC
 Method: 60102007_042011(v28) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F_0.078	0.188	0.091	0.1902	0.0048	0.9528	0.049	0.484	0.097
Stddev	.0001	.0056	.0018	.0006	.0001	.0068	.0000	.0000	.0003
%RSD	.9204	3.283	19.32	.2919	1.266	.7161	.1562	.0471	3.174
#1	.0077	.1761	.0105	.1908	.0049	.9604	.0049	.0483	.0099
#2	.0079	.1653	.0098	.1899	.0048	.9508	.0049	.0484	.0099
#3	.0079	.1681	.0071	.1898	.0048	.9472	.0049	.0484	.0093

Check ? Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.239	2822	9.322	4.702	0.148	0.454	9.498	0.391	0.051
Stddev	.0000	0.043	.029	.068	.0001	.0001	.008	.0004	.0006
%RSD	.2013	1.532	.3075	1.452	.6740	.2535	.0817	.9234	11.64
#1	.0239	2793	9.353	4.747	.0148	0.453	9.489	.0392	.0056
#2	.0240	2802	9.297	4.736	.0149	0.454	9.502	.0394	.0044
#3	.0240	2872	9.315	4.624	.0148	0.455	9.502	.0387	.0052

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.042	0.110	0.046	0.0484	0.090	0.102	0.117	0.469	0.195
Stddev	.0009	.0018	.0002	.0001	.0002	.0001	.0009	.0005	.0001
%RSD	20.72	16.26	4.490	.3072	2.393	.8545	7.760	1.083	.3716
#1	.0049	0.112	0.044	0.0483	0.089	0.103	0.107	0.464	0.195
#2	.0045	0.127	0.047	0.0486	0.093	0.102	0.124	0.469	0.196
#3	.0032	0.091	0.047	0.0485	0.089	0.102	0.120	0.474	0.194

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CRIA Acquired: 3/2/2018 9:40:18 Type: QC
 Method: 60102007_042011(v28) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1754.7	4611.7	32395.	3964.5
Stddev	.9	8.4	76.	28.2
%RSD	.05096	.18308	.23554	.71232
#1	1754.1	4610.4	32456.	3936.0
#2	1754.2	4603.9	32309.	3992.5
#3	1755.7	4620.6	32420.	3965.0

Sample Name: ICSA Acquired: 3/2/2018 9:44:47 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.007	508.0	0.000	0.002	-0.001	458.8	0.007	0.001	0.004
Stddev	.0001	4.2	.002	.0002	.0000	2.9	.0000	.0001	.0004
%RSD	11.37	.8289	1342.0	102.4	22.15	.6293	6.447	58.01	95.02
#1	-0.008	506.7	-0.018	0.002	-0.001	457.5	0.008	0.002	0.003
#2	-0.008	512.7	0.001	0.003	-0.001	462.1	0.008	0.002	0.008
#3	-0.007	504.7	0.016	0.000	-0.001	456.7	0.007	0.001	0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.000	181.9	2160	497.2	0.007	0.000	1343	-0.001	0.007
Stddev	.0007	.5	.0571	3.0	.0001	.000	.0093	.0003	.0016
%RSD	1536.	.2868	26.43	.6079	12.79	751.7	6.905	472.3	239.3
#1	-0.002	181.7	2733	497.2	0.008	-0.002	1241	-0.003	-0.001
#2	-0.008	182.5	2158	500.2	0.006	0.001	1423	0.001	-0.004
#3	-0.005	181.4	1591	494.1	0.008	0.000	1364	0.001	0.025

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.000	-0.004	0.152	F.0012	-0.0008	-0.011	0.003	0.000	0.000
Stddev	.0007	.0038	.0009	.0006	.0001	.0003	.0022	.0001	.0002
%RSD	1632.	1008.	5.794	48.49	11.21	25.12	815.0	661.7	501800.
#1	.0005	.0024	.0150	.0014	-0.007	-0.012	.0028	-0.001	-0.002
#2	.0005	-0.047	.0144	.0016	-0.007	-0.008	-0.010	.0000	.0002
#3	-0.008	.0011	.0161	.0005	-0.008	-0.013	-0.009	.0002	-0.001

Sample Name: ICSA Acquired: 3/2/2018 9:44:47 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1477.8	4066.7	28142.	3729.2
Stddev	2	9.3	67.	8.6
%RSD	.01173	.22853	.23687	.23130
#1	1477.8	4063.1	28126.	3732.2
#2	1477.7	4059.7	28216.	3719.5
#3	1478.0	4077.2	28086.	3736.0

Sample Name: ICSAB Acquired: 3/2/2018 9:53:01 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.077	508.6	1.077	5088	5077	464.1	9572	4856	4860
Stddev	.006	1.8	.011	.0033	.0020	1.6	.0091	.0039	.0017
%RSD	.5316	.3628	1.057	.6510	.3881	.3414	.9530	8.069	3.451
#1	1.072	506.6	1.070	.5039	.5056	464.3	9518	4837	4852
#2	1.083	510.3	1.071	.5104	.5095	465.6	9521	4829	4879
#3	1.076	508.8	1.090	.5061	.5079	462.5	9677	4901	4848

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5278	183.1	0794	494.8	5006	8941	1298	9631	9659
Stddev	.0032	.2	.0325	1.4	.0005	.0083	.0037	.0055	.0073
%RSD	.6090	.1312	41.00	.2900	.0914	.9246	2.835	5.726	7.559
#1	5253	182.9	.0548	493.3	.5002	8897	1256	9622	9619
#2	5314	183.3	.1163	495.1	.5011	8889	1322	9581	9615
#3	5266	183.2	.0670	496.1	.5005	9036	1317	9690	9743

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9992	9473	0546	9228	9547	9781	9277	4886	9188
Stddev	.0099	.0116	.0006	.0080	.0026	.0037	.0058	.0003	.0061
%RSD	.9935	1.223	1.047	.8639	.2746	.3738	.6247	.0674	.6671
#1	9927	9424	.0541	9192	.9525	9748	9274	4882	9143
#2	9943	9390	.0545	9174	.9576	9820	9220	4886	9163
#3	1.011	.9606	.0552	.9320	.9540	.9777	9336	4889	9258

Sample Name: ICSAB Acquired: 3/2/2018 9:53:01 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1425.7	3980.1	27759.	3630.7
Stddev	8.9	35.6	88.	6.2
%RSD	.62504	.89495	.31593	.17187
#1	1430.6	3999.4	27667.	3637.0
#2	1431.1	4001.9	27768.	3630.6
#3	1415.5	3939.0	27842.	3624.5

Sample Name: CCV Acquired: 3/2/2018 9:56:29 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2460	39.50	2.048	1.992	2.043	40.00	2.052	2.034	2.037
Stddev	.0015	.35	.005	.019	.011	.34	.005	.005	.007
%RSD	.6260	.8946	.2651	.9563	.5547	.8500	.2690	.2386	.3531
#1	2477	39.15	2.047	1.975	2.032	39.69	2.052	2.036	2.043
#2	2456	39.86	2.053	2.013	2.054	40.37	2.058	2.038	2.040
#3	2448	39.49	2.042	1.987	2.042	39.95	2.047	2.029	2.029

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.999	40.52	39.81	39.74	2.069	2.034	40.57	2.002	2.016
Stddev	.005	.37	.43	.45	.008	.003	.22	.004	.001
%RSD	.2430	.9035	1.072	1.140	.3711	.1271	.5448	.2066	.0475
#1	2.003	40.22	39.39	39.29	2.078	2.033	40.39	2.005	2.016
#2	2.000	40.93	40.24	40.20	2.066	2.037	40.82	2.003	2.015
#3	1.993	40.41	39.82	39.74	2.063	2.032	40.52	1.997	2.017

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.051	2.033	2.035	2.049	1.996	2.067	2.023	2.080	2.018
Stddev	.006	.007	.005	.002	.018	.008	.003	.010	.004
%RSD	.2847	.3225	.2504	.1182	.9162	.3738	.1696	.4804	.2061
#1	2.051	2.039	2.037	2.050	1.981	2.075	2.022	2.089	2.019
#2	2.057	2.034	2.039	2.051	2.016	2.064	2.019	2.083	2.021
#3	2.045	2.026	2.030	2.046	1.991	2.061	2.026	2.069	2.013

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/2/2018 9:56:29 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1596.8	4378.4	30984.	3824.4
Stddev	1.7	10.9	97.	13.5
%RSD	.10452	.24906	.31235	.35186
#1	1595.8	4378.4	30999.	3837.8
#2	1598.7	4367.6	30880.	3810.9
#3	1595.8	4389.4	31072.	3824.4

7.3
7

Sample Name: CCB Acquired: 3/2/2018 10:02:19 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.029	-0.001	-0.001	.0000	.0010	.0001	.0001	.0001
Stddev	.0003	.0124	.0004	.0003	.000	.0024	.0000	.0001	.0004
%RSD	278.9	422.2	313.1	245.1	64.48	243.2	15.75	118.4	457.8
#1	.0001	.0104	-.0006	-.0002	.0000	-.0018	.0001	.0000	-.0001
#2	.0000	-.0140	.0002	.0002	.0000	.0025	.0001	.0002	-.0002
#3	-.0005	-.0052	.0000	-.0003	.0000	.0023	.0001	.0001	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0001	.0483	.0021	.0000	F .0010	-.0106	-.0003	-.0002
Stddev	.000	.0024	.0270	.0134	.0000	.0001	.0031	.0002	.0002
%RSD	2091.	1874.	56.05	634.3	340.7	13.03	28.93	86.48	108.3
#1	-.0003	.0009	.0614	.0117	.0000	.0010	-.0115	.0000	.0000
#2	.0002	.0021	.0662	-.0132	.0000	.0012	-.0072	-.0003	-.0003
#3	.0000	-.0026	.0171	.0078	.0000	.0009	-.0131	-.0005	-.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014	.0008	.0000	-.0001	-.0001	.0006	.0010	.0002	.0001
Stddev	.0010	.0010	.001	.0002	.0002	.0002	.0019	.0002	.0001
%RSD	74.38	126.9	3556.	196.1	198.9	27.64	199.3	109.4	128.3
#1	.0026	.0003	.0000	-.0003	-.0001	.0007	.0029	.0004	.0001
#2	.0009	.0019	-.0008	.0000	.0001	.0005	-.0009	.0000	.0000
#3	.0006	.0001	.0007	.0000	-.0002	.0004	.0009	.0002	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/2/2018 10:02:19 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1773.7	4615.9	32612.	3941.7
Stddev	2.8	6.5	100.	48.2
%RSD	.15819	.14043	.30571	1.2227
#1	1774.6	4609.0	32727.	3982.8
#2	1770.5	4617.0	32557.	3888.6
#3	1775.9	4621.8	32552.	3953.6

Sample Name: FA52070-1 Acquired: 3/2/2018 10:06:39 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0017	87.29	4523	5896	0081	14.42	0004	0928	0815
Stddev	.0006	.64	.0079	.0027	.0002	.07	.0003	.0005	.0010
%RSD	36.14	.7330	1.748	.4517	2.181	.5109	85.41	.5185	1.204

#1	-0013	87.81	4534	5909	0083	14.45	0008	0924	0819
#2	-0014	87.47	4596	5913	0081	14.46	0002	0934	0803
#3	-0024	86.57	4439	5865	0080	14.33	0002	0927	0822

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(In2306)
Avg	5074	53.14	3.995	5.814	3.000	0027	2274	0963	2741
Stddev	.0008	.32	.093	.049	.014	.0005	.0305	.0009	.0032
%RSD	.1546	.5953	2.337	.8394	.4631	18.93	13.40	9.084	1.157

#1	5082	53.31	3.940	5.781	3.012	.0029	.1935	0.963	2.765
#2	5066	53.34	4.103	5.870	3.002	.0021	.2526	0.971	2.752
#3	5073	52.78	3.943	5.792	2.985	.0031	.2362	0.953	2.705

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0042	0127	5.418	0223	1078	5514	-0038	1048	6937
Stddev	.0063	.0066	.040	.0004	.0011	.0016	.0079	.0004	.0014
%RSD	150.8	52.32	.7454	1.620	1.004	.2829	209.1	4.055	1.977

#1	-0012	.0189	5.455	.0224	.1086	5514	-0010	.1044	6952
#2	.0111	.0057	5.424	.0219	.1081	5529	-0128	.1053	6924
#3	.0027	.0134	5.375	.0225	.1065	5498	.0024	.1047	6936

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1755.1	5150.9	36247.	4454.5
Stddev	1.6	13.2	160.	37.4
%RSD	.09084	.25669	.44024	.84013

#1	1756.3	5162.0	36244.	4469.1
#2	1755.7	5154.6	36090.	4412.0
#3	1753.3	5136.3	36409.	4482.5

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Sample Name: MP33401-D1 Acquired: 3/2/2018 10:11:00 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0033	91.00	4418	6112	0083	14.75	0007	0990	0835
Stddev	.0007	.08	.0036	.0024	.0006	.10	.0000	.0010	.0022
%RSD	21.94	.0893	.8208	.3956	6.863	.6551	3.594	1.023	2.613

#1	-0036	91.06	4456	6139	0086	14.86	0008	0982	0815
#2	-0039	91.03	4383	6106	0087	14.69	0007	0985	0832
#3	-0025	90.91	4416	6091	0077	14.70	0007	1001	0858

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(In2306)
Avg	3660	55.43	4.086	6.139	3.186	0015	2150	1030	2361
Stddev	.0018	.06	.087	.074	.003	.0007	.0416	.0007	.0034
%RSD	.4965	.1162	2.134	1.208	.0876	43.85	19.34	6.946	1.449

#1	3640	55.50	4.160	6.222	3.182	.0015	.2064	.1036	2.393
#2	3663	55.41	3.990	6.079	3.187	.0009	.1784	.1022	2.325
#3	3676	55.37	4.108	6.115	3.188	.0023	.2602	.1033	2.364

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0003	0062	5.105	0228	1114	5809	-0001	1116	7060
Stddev	.0007	.0106	.014	.0015	.0007	.0072	.0068	.0007	.0030
%RSD	229.9	171.3	.2732	6.586	6.199	1.241	56.15	6.382	4.233

#1	.0011	-0060	5.104	.0245	.1111	5890	-0078	.1108	7046
#2	-0002	.0128	5.120	.0224	.1108	5752	.0023	.1118	7039
#3	.0000	.0117	5.092	.0216	.1121	5786	.0051	.1122	7094

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1767.9	5191.1	36793.	4474.6
Stddev	5.0	6.1	100.	29.3
%RSD	.28079	.11750	.27138	.65555

#1	1770.9	5198.1	36895.	4456.3
#2	1762.2	5188.6	36696.	4508.5
#3	1770.7	5186.7	36787.	4459.1

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7.3
7

Sample Name: MP33401-S1 Acquired: 3/2/2018 10:15:20 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0466	147.0	2.179	2.501	0566	38.61	0476	5670	2974
Stddev	.0034	.4	.013	.005	.0001	.08	.0001	.0040	.0027
%RSD	7.334	.2894	.5818	.2140	.1998	.2116	.2585	.7089	.9091

#1	.0505	146.5	2.192	2.495	.0565	38.70	.0476	5716	2958
#2	.0448	147.4	2.177	2.501	.0567	38.58	.0477	5655	3005
#3	.0444	147.1	2.167	2.506	.0565	38.55	.0475	5639	2958

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(In2306)	(In2306)
Avg	9857	88.58	27.63	30.31	3.735	4145	24.02	5867	9238
Stddev	.0025	.12	.20	.13	.013	.0051	.02	.0057	.0089
%RSD	.2526	.1298	.7142	.4250	.3365	1.242	.0916	.9752	9.612

#1	9837	88.67	27.86	30.31	3.748	4199	23.99	5932	9338
#2	9849	88.62	27.53	30.44	3.735	4138	24.03	5846	9209
#3	9885	88.45	27.51	30.19	3.723	4097	24.03	5824	9168

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1952	1.730	5.100	4695	5888	9434	1.995	6031	1.399
Stddev	.0075	.010	.063	.0035	.0011	.0057	.017	.0031	.006
%RSD	3.822	.5936	1.239	.7509	.1941	.6021	.8613	.5171	3.988

#1	2038	1.740	5.170	4734	5896	9498	2.011	6065	1.406
#2	1902	1.731	5.086	4684	5893	9411	1.977	6024	1.398
#3	1916	1.720	5.046	4665	5875	9392	1.996	6004	1.395

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1730.1	5130.8	36331.	4526.0
Stddev	8.3	8.3	144.	20.7
%RSD	.48105	.16231	.39738	.45806

#1	1720.5	5124.9	36210.	4503.1
#2	1735.0	5140.3	36293.	4543.4
#3	1734.8	5127.2	36491.	4531.4

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Sample Name: MP33401-S2 Acquired: 3/2/2018 10:19:36 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0444	145.2	2.344	2.556	0592	39.14	0512	6004	3088
Stddev	.0015	.7	.005	.016	.0004	.11	.0002	.0010	.0014
%RSD	3.379	.4763	.2104	.6052	.7436	.2774	.4465	.1680	.4557

#1	.0427	145.9	2.350	2.564	.0594	39.26	.0514	.6014	3060
#2	.0455	144.5	2.341	2.538	.0587	39.04	.0513	.6006	3061
#3	.0451	145.2	2.341	2.565	.0594	39.13	.0510		

Sample Name: MP33401-PS1 Acquired: 3/2/2018 10:23:53 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0439	84.24	5475	7930	0563	18.26	0484	1384	1247
Stddev	.0023	.25	.0034	.0050	.0005	.06	.0005	.0003	.0022
%RSD	5.187	.3001	.6176	.6345	.8813	.3485	.9843	.1979	1.795

#1	.0453	84.39	.5510	.7896	.0569	18.33	.0486	.1381	.1265
#2	.0413	83.95	.5442	.7907	.0559	18.20	.0488	.1386	.1253
#3	.0451	84.38	.5472	.7988	.0562	18.26	.0479	.1385	.1222

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5774	53.34	12.72	9.936	2.966	0.867	9.639	1.885	3.195
Stddev	.0022	.09	.07	.130	.006	.0005	.051	.0004	.0040
%RSD	.3760	.1710	.5639	1.311	.1883	.5464	.5266	.1913	1.249

#1	.5787	53.37	12.73	9.986	2.968	.0862	9.629	.1889	.3157
#2	.5749	53.24	12.79	9.788	2.970	.0868	9.594	.1882	.3191
#3	.5786	53.41	12.65	10.03	2.959	.0872	9.694	.1884	.3236

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0931	0904	5.75	0.664	1.455	6.426	1.041	1.517	8.848
Stddev	.0037	.0017	.001	.0020	.0006	.0024	.0034	.0014	.0002
%RSD	4.006	1.842	.0194	3.045	.4436	.3726	3.229	.9474	0.029

#1	.0917	.0885	5.576	.0650	.1461	.6407	.1069	.1518	8.849
#2	.0903	.0916	5.575	.0655	.1448	.6453	.1050	.1502	8.849
#3	.0973	.0911	5.573	.0687	.1456	.6417	.1004	.1531	8.846

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1762.2	5119.5	3644.2	4501.9
Stddev	2.3	4.3	74.	10.0
%RSD	.12957	.08324	20374	22123

#1	1760.6	5120.5	3642.2	4513.4
#2	1764.8	5123.2	3638.1	4496.6
#3	1761.3	5114.9	3652.5	4495.7

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Sample Name: MP33401-SD1 Acquired: 3/2/2018 10:28:12 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 25.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0125	89.75	4896	6059	0073	14.80	-0003	0996	0872
Stddev	.0090	.43	.0166	.0053	.0023	.10	.0008	.0018	.0064
%RSD	72.23	.4837	3.387	.8774	31.30	.6635	219.7	1.857	7.379

#1	-0.178	89.66	4733	6047	.0046	14.70	-0.009	1.014	0.896
#2	-0.175	90.22	4890	6013	.0085	14.89	-0.006	0.977	0.799
#3	-0.021	89.36	5065	6118	.0086	14.82	.0005	0.996	0.921

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5277	54.81	3.418	5.636	3.245	-0.026	0.217	1.110	2.740
Stddev	.0048	.31	1.002	.222	.003	.0007	.0942	.0039	.0138
%RSD	.9023	.5569	29.31	3.937	.0908	28.15	434.8	3.554	5.023

#1	.5236	54.86	2.341	5.461	3.242	-0.021	.1193	.1069	.2788
#2	.5329	54.48	4.322	5.885	3.247	-0.023	.0145	.1148	.2848
#3	.5266	55.09	3.592	5.561	3.247	-0.035	-0.0688	.1114	.2585

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0114	0.167	6.036	0.195	1.090	6.058	0.304	1.171	8.627
Stddev	.0116	.0171	.060	.0096	.0016	.0066	.0074	.0062	.0015
%RSD	101.9	102.4	.9977	49.25	1.467	1.083	24.37	5.331	.1754

#1	.0185	.0295	6.102	.0125	.1087	.5982	.0271	.1229	8.642
#2	.0176	.0232	5.984	.0305	.1108	.6095	.0252	.1179	8.627
#3	-0.020	-0.027	6.022	.0156	.1077	.6096	.0389	.1105	8.612

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1800.0	4751.3	3386.0	4182.7
Stddev	1.9	9.5	67.	20.2
%RSD	.10627	.19962	.19668	.48405

#1	1798.3	4751.1	3393.2	4162.0
#2	1799.6	4760.9	3384.7	4202.5
#3	1802.0	4741.9	3380.0	4183.6

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7.3
7

Sample Name: FA52070-2 Acquired: 3/2/2018 10:32:36 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0029	93.74	2.523	6.809	0.095	17.30	0.011	1.029	0.939
Stddev	.0005	.39	.005	.0026	.0004	.05	.0001	.0003	.0012
%RSD	17.06	.4141	.2195	.3888	3.788	.2706	13.24	.2999	1.233

#1	-0.031	94.04	2.519	.6829	.0097	17.34	.0009	.1032	.0941
#2	-0.032	93.88	2.521	.6818	.0097	17.31	.0012	.1026	.0949
#3	-0.023	93.30	2.530	.6779	.0091	17.25	.0011	.1028	.0926

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0463	61.52	4.908	6.456	3.607	0.011	1.623	1.096	1.408
Stddev	.0004	.12	.131	.180	.009	.0008	.0267	.0013	.0022
%RSD	.9349	.1957	2.672	2.795	.2398	70.57	16.43	1.141	1.594

#1	0.466	61.64	5.041	6.639	3.602	.0004	1.356	.1097	1.401
#2	0.464	61.53	4.902	6.452	3.617	.0019	1.624	.1083	1.390
#3	0.458	61.40	4.779	6.278	3.603	.0011	1.889	.1108	1.433

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	0049	0.092	3.064	0.230	1.187	5.312	0.003	1.180	3.802
Stddev	.0044	.0029	.010	.0019	.0006	.0055	.0050	.0012	.0006
%RSD	89.13	31.96	.3243	8.373	.4963	1.032	1780.	.9864	.1579

#1	.0059	.0065	3.076	.0249	.1181	.5296	.0059	.1191	3.809
#2	.0088	.0123	3.059	.0230	.1188	.5373	-.0037	.1168	3.799
#3	.0001	.0087	3.058	.0210	.1192	.5267	-.0013	.1182	3.798

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1774.6	5223.0	3703.8	4674.8
Stddev	1.7	8.6	83.	30.2
%RSD	.09373	.16552	22537	64568

#1	1772.7	5215.5	3698.4	4642.0
#2	1775.5	5221.1	3699.7	4681.2
#3	1775.6	5232.4	3713.4	4701.3

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Sample Name: FA52070-3 Acquired: 3/2/2018 10:36:56 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0025	125.9	0.453	8.203	0.066	10.90	0.019	1.002	1.600
Stddev	.0003	.3	.0015	.0055	.0002	.03	.0001	.0005	.0007
%RSD	13.50	.2496	3.323	.6649	2.989	.2625	5.445	.4955	4.074

Sample Name: FA52070-6 Acquired: 3/2/2018 10:41:16 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0018	109.9	2.742	4.724	-0055	13.40	0055	0576	1415
Stddev	.0006	.1	.015	.0021	.0001	.03	.0001	.0005	.0010
%RSD	35.28	.1143	.5285	.4447	.9698	.1990	1.772	.8890	.7027

#1	-0011	110.1	2.754	4.744	.0056	13.42	0056	0580	1404
#2	-0018	109.9	2.746	4.702	.0055	13.37	0055	0579	1423
#3	-0024	109.8	2.725	4.726	.0055	13.42	0054	0571	1418

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0502	79.78	5.110	6.784	6855	0024	2150	0867	2935
Stddev	.0008	.16	.026	.010	.0014	.0004	.0071	.0006	.0016
%RSD	1.622	.2009	.5056	.1525	.2018	17.64	3.301	6.904	5.318

#1	.0493	79.96	5.115	6.774	.6843	.0025	.2110	.0874	.2947
#2	.0506	79.68	5.082	6.784	.6870	.0019	.2108	.0863	.2941
#3	.0508	79.69	5.133	6.795	.6852	.0027	.2232	.0865	.2918

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	
Avg	0346	-0021	4.522	0257	0812	6334	0118	1985	3180
Stddev	.0010	.0023	.038	.0001	.0002	.0068	.0029	.0007	.0012
%RSD	2.756	111.6	.8340	.4339	.2615	1.067	24.76	.3359	3.896

#1	.0339	.0005	4.553	.0258	.0811	.6286	.0126	.1988	.3186
#2	.0342	-.0041	4.532	.0257	.0812	.6304	.0085	.1989	.3188
#3	.0357	-.0026	4.480	.0255	.0815	.6411	.0142	.1977	.3166

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1745.1	5310.5	3743.3	4751.7
Stddev	5.3	7.5	163.	27.2
%RSD	.30544	.14081	.43456	.57177

#1	1750.9	5317.8	3740.4	4780.5
#2	1740.5	5310.9	3728.7	4726.6
#3	1743.7	5302.8	3760.8	4748.0

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Sample Name: FA52070-7 Acquired: 3/2/2018 10:45:33 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 2.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0013	143.5	1.695	7.196	0074	13.89	0012	0813	1627
Stddev	.0002	1.3	.015	.0071	.0002	.16	.0000	.0004	.0021
%RSD	15.24	.9325	.8544	.9823	2.120	1.128	.8859	.5475	1.264

#1	-0012	145.1	1.711	7.274	.0076	14.07	.0012	.0818	1648
#2	-0012	142.9	1.691	7.136	.0073	13.77	.0012	.0811	1625
#3	-0016	142.6	1.682	7.179	.0074	13.85	.0012	.0810	1607

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0308	104.4	6.242	9.665	6066	0030	2810	1078	1303
Stddev	.0008	1.0	.085	.116	.0066	.0004	.0065	.0012	.0019
%RSD	2.748	.9593	1.357	1.198	1.094	12.98	2.318	1.111	1.436

#1	.0317	105.5	6.336	9.783	.6137	.0030	2.774	.1090	.1305
#2	.0308	103.8	6.171	9.551	.6055	.0033	2.885	.1077	.1321
#3	.0300	103.8	6.220	9.662	.6006	.0026	2.771	.1066	.1284

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	
Avg	0176	-0029	2.715	0197	0942	7998	-0042	2651	2073
Stddev	.0015	.0014	.025	.0002	.0008	.0080	.0034	.0026	.0005
%RSD	8.248	46.85	.9325	1.246	.8939	1.001	82.45	.9707	2.290

#1	.0181	-.0018	2.738	.0194	.0952	.8087	-.0034	.2678	.2078
#2	.0160	-.0044	2.719	.0199	.0939	.7974	-.0012	.2650	.2071
#3	.0187	-.0026	2.688	.0197	.0936	.7932	-.0079	.2626	.2070

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1727.6	5431.3	3795.7	4840.5
Stddev	2.7	3.2	365.	42.7
%RSD	.15538	.05951	.96280	.88256

#1	1724.7	5432.9	3757.3	4800.1
#2	1730.0	5433.5	3799.8	4885.2
#3	1728.1	5427.6	3830.1	4836.0

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7.3
7

Sample Name: CCV Acquired: 3/2/2018 10:49:51 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2441	37.95	2.082	1.931	2.042	38.42	2.084	2.038	1.995
Stddev	.0004	.37	.006	.020	.023	.42	.004	.002	.008
%RSD	.1495	.9678	.3008	1.028	1.135	1.088	.2076	.0963	.4021

#1	.2437	38.29	2.080	1.942	2.053	38.70	2.082	2.038	1.992
#2	.2444	37.56	2.078	1.908	2.016	37.94	2.081	2.036	1.988
#3	.2443	38.00	2.089	1.943	2.058	38.62	2.089	2.040	2.004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.948	39.16	38.31	37.76	2.081	2.024	40.69	1.969	2.037
Stddev	.002	.43	.43	.55	.004	.002	.41	.003	.006
%RSD	.1162	1.098	1.134	1.452	.1848	.1098	1.017	.1397	.2898

#1	1.948	39.49	38.63	38.29	2.086	2.022	40.97	1.972	2.038
#2	1.951	38.67	37.81	37.19	2.079	2.023	40.22	1.967	2.031
#3	1.946	39.33	38.48	37.79	2.080	2.026	40.89	1.967	2.043

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.092	2.052	2.068	2.034	1.901	2.079	2.057	2.125	1.978
Stddev	.006	.004	.007	.005	.022	.001	.003	.004	.004
%RSD	.2666	.1840	.3613	.2371	1.145	.0539	.1562	.1650	.2264

#1	2.088	2.048	2.060	2.032	1.916	2.080	2.057	2.129	1.981
#2	2.089	2.055	2.068	2.031	1.876	2.079	2.053	2.123	1.973
#3	2.098	2.052	2.075	2.040	1.911	2.078	2.060	2.123	1.979

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: CCV Acquired: 3/2/2018 10:49:51 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1610.5	4365.9	3126.3	3962.6
Stddev	2.4	3.2	71.	57.6
%RSD	.15127	.07370	.22837	1.4528

#1	1607.9	4366.7	3125.4	3921.4
#2	1612.8	4368.6	3133.9	4028.3
#3	1610.9	4362.3	3119.7	3938.0

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Sample Name: CCB Acquired: 3/2/2018 10:54:03 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	-0.061	0.009	-0.003	0.000	-0.008	0.001	0.000	0.000
Stddev	.0001	.0030	.0004	.0001	.000	.0016	.0000	.000	.0003
%RSD	41.32	50.21	37.45	38.27	87.52	201.2	35.80	249.7	1697.

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.007	0.012	0.0337	0.193	0.001	F 0.014	-0.067	0.001	-0.001
Stddev	.0000	.0013	.0135	.0128	.0000	.0003	.0020	.0001	.0003
%RSD	1.173	104.2	40.05	66.19	31.05	20.11	29.64	173.7	276.0

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.005	0.017	0.007	0.000	0.000	0.007	F 0.020	0.003	0.001
Stddev	.0009	.0006	.0005	.0001	.0001	.0001	.0023	.0003	.0001
%RSD	178.2	35.65	66.43	1347.	718.4	15.25	113.6	88.78	136.6

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/2/2018 10:54:03 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1791.7	4581.9	32607.	4059.6
Stddev	3.9	8.8	131.	27.6
%RSD	.21610	.19262	.40072	.67961

#1 1790.2 4577.3 32494. 4036.6
 #2 1796.2 4592.1 32750. 4052.0
 #3 1788.9 4576.4 32575. 4090.2

Sample Name: FA52070-8 Acquired: 3/2/2018 10:58:32 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 4.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.032	279.2	1.851	1.101	0.116	23.71	0.002	1.061	3.076
Stddev	.0007	2.0	.009	.007	.0001	.10	.0002	.0006	.0038
%RSD	20.60	.7159	.4693	.6204	.8501	.4343	134.4	57.87	1.245

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.076	239.1	8.453	14.26	6.238	0.075	4.283	1.753	1.668
Stddev	.0006	1.7	.056	.19	.0031	.0007	.0442	.0012	.0031
%RSD	2.056	.6906	.6641	1.336	.4897	9.343	10.33	67.37	1.873

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.223	-0.021	4.096	0.249	-1.192	9.411	-0.006	5.156	-2.759
Stddev	.0052	.0062	.054	.0019	.0002	.0041	.0074	.0049	.0009
%RSD	23.36	303.5	1.315	7.635	.1973	.4311	1153.	.9539	.3344

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1753.7	5054.9	35731.	4560.2
Stddev	2.8	13.7	34.	24.7
%RSD	.16080	.27142	.09574	.54138

#1	1752.4	5047.2	35768.	4566.4
#2	1756.9	5070.7	35721.	4533.0
#3	1751.7	5046.7	35702.	4581.1

Sample Name: FA52070-9 Acquired: 3/2/2018 11:02:52 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 4.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.031	165.5	4.419	7.205	0.071	12.98	0.004	0.583	2.685
Stddev	.0013	.6	.0012	.0022	.0002	.08	.0000	.0004	.0025
%RSD	40.99	.3712	.2607	.3106	2.539	.6121	6.457	.7643	.9267

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.025	171.3	7.089	10.62	4.933	0.040	2.969	0.983	1.770
Stddev	.0018	.3	.121	.10	.0006	.0009	.0340	.0007	.0021
%RSD	7.071	.2019	1.711	.9543	.1276	22.44	11.46	.7584	1.205

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.035	-0.139	2.623	0.213	0.978	8.039	-0.020	3.975	2.378
Stddev	.0024	.0032	.009	.0007	.0005	.0025	.0058	.0011	.0007
%RSD	68.65	22.91	.3464	3.092	.5253	.3059	288.1	.2662	.2904

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1769.5	5051.2	35738.	4522.9
Stddev	6.6	18.9	35.	12.8
%RSD	.37111	.37375	.09848	.28191

#1	1772.9	5053.4	35698.	4534.3
#2	1773.8	5068.9	35757.	4525.3
#3	1762.0	5031.3	35761.	4509.2

Sample Name: FA52070-10 Acquired: 3/2/2018 11:07:11 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0020	225.9	5.193	1.169	0.116	20.34	0007	1246	2397
Stddev	.0011	.7	.030	.007	.0005	.07	.0002	.0003	.0018
%RSD	54.13	.3096	.5855	.6325	4.242	.3218	32.28	.2149	.7710

#1	-0031	226.4	5.226	1.178	.0120	20.39	0009	1244	2395
#2	-0018	226.1	5.188	1.166	.0117	20.37	0005	1246	2380
#3	-0010	225.1	5.165	1.164	.0110	20.27	0009	1249	2417

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0300	177.9	8.502	12.86	2.519	0033	3320	1354	1581
Stddev	.0005	.6	.012	.06	.007	.0003	.0541	.0018	.0015
%RSD	1.782	.3491	.1367	.4845	.2881	8.846	16.28	1.348	9363

#1	.0297	178.2	8.512	12.83	2.525	.0034	3598	1367	1596
#2	.0296	178.3	8.505	12.81	2.520	.0030	2697	1362	1566
#3	.0306	177.2	8.490	12.93	2.511	.0036	3666	1333	1582

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	0581	-0089	4.439	0211	1447	8333	0000	4203	2520
Stddev	.0041	.0023	.026	.0020	.0003	.0029	.0052	.0012	.0007
%RSD	7.023	25.80	.5936	9.507	2405	3518	11670.	2771	2655

#1	.0550	-0083	4.469	.0214	1450	8341	-0058	4216	2512
#2	.0566	-0115	4.423	.0190	1443	8358	.0041	4199	2525
#3	.0627	-0070	4.424	.0229	1447	8301	.0018	4193	2523

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1773.3	5137.9	36358.	4653.8
Stddev	3.9	4.7	103.	23.5
%RSD	.21807	.09071	.28307	.50461

#1	1770.3	5133.1	36306.	4668.6
#2	1777.6	5138.1	36293.	4666.1
#3	1771.9	5142.4	36477.	4626.7

Sample Name: FA52070-11 Acquired: 3/2/2018 11:11:30 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0019	177.8	3.725	9304	0084	16.31	0006	0726	2000
Stddev	.0015	.7	.004	.0036	.0003	.02	.0002	.0003	.0020
%RSD	79.03	.3776	.1195	.3884	3.170	.1423	28.05	.3735	1.001

#1	-0034	177.0	3.728	9280	0087	16.30	0008	0723	1981
#2	-0003	178.3	3.728	9345	0082	16.34	0005	0729	2021
#3	-0022	178.1	3.720	9285	0083	16.30	0006	0725	2000

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0285	133.4	7.210	10.38	9690	0022	2325	1056	1355
Stddev	.0020	.2	.107	.14	.0030	.0009	.0072	.0013	.0037
%RSD	6.946	1.189	1.488	1.393	3.120	40.03	3.079	1.236	2.761

#1	.0307	133.4	7.120	10.34	.9671	.0014	2404	.1051	.1380
#2	.0270	133.3	7.181	10.55	.9725	.0031	2264	.1046	.1312
#3	.0277	133.6	7.329	10.27	.9673	.0021	2306	.1070	.1372

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0427	-0017	5.559	0229	1213	8625	0022	3365	2227
Stddev	.0069	.0040	.026	.0019	.0012	.0059	.0017	.0017	.0008
%RSD	16.13	234.4	4.769	8.180	1.003	.6813	77.25	.5014	.3471

#1	.0364	.0007	5.565	.0225	.1212	.8622	.0035	.3359	2234
#2	.0500	.0005	5.581	.0250	.1226	.8685	.0029	.3384	2227
#3	.0416	-0063	5.529	.0213	.1202	.8568	.0003	.3352	2219

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1781.0	4995.8	35538.	4542.3
Stddev	3.5	3.6	27.	30.6
%RSD	.19481	.07165	.07525	.67384

#1	1784.7	4994.3	35567.	4509.4
#2	1777.9	4993.1	35515.	4547.7
#3	1780.3	4999.9	35531.	4569.9

7.3
7

Sample Name: FA51672-6 Acquired: 3/2/2018 11:15:49 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0011	151.2	0200	5000	0030	8.876	-0002	0188	2051
Stddev	.0041	.9	.0036	.0041	.0007	.059	.0002	.0007	.0025
%RSD	365.3	.6208	17.91	.8222	22.64	.6672	120.8	3.729	1.235

#1	-0018	152.1	.0200	.5039	.0036	8.920	.0000	.0187	.2078
#2	-0033	151.3	.0164	.5004	.0023	8.900	-0002	.0181	.2048
#3	-0048	150.3	.0236	.4957	.0031	8.809	-0003	.0195	.2027

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0349	139.2	11.20	9.503	4761	0089	2.097	1026	0806
Stddev	.0014	.8	.09	.047	.0023	.0015	.025	.0008	.0045
%RSD	4.139	.6070	.7714	.4959	.4851	16.93	1.167	8213	5.617

#1	0360	139.5	11.23	9.450	4783	.0102	2.117	1035	0846
#2	0333	139.8	11.26	9.540	4762	.0091	2.070	1021	0815
#3	0355	138.2	11.10	9.519	4737	.0073	2.103	1021	0757

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0030	0044	8.606	0500	1342	5.408	-0016	4222	1022
Stddev	.0025	.0060	.121	.0006	.0013	.025	.0064	.0011	.0005
%RSD	81.68	137.4	1.406	1.215	.9906	.4700	413.0	2565	4.428

#1	.0045	-0005	8.722	.0496	1350	5.423	-0079	4227	1022
#2	.0002	.0111	8.616	.0507	1348	5.421	.0049	4230	1027
#3	.0043	.0025	8.480	.0496	1326	5.378	-0016	4210	1018

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1749.4	4504.5	32057.	4102.2
Stddev	5.6	17.3	114.	19.7
%RSD	.32197	.38476	.35692	.48015

#1	1742.9	4484.6	31937.	4092.3
#2	1753.0	4516.0	32070.	4089.4
#3	1752.2	4513.0	32165.	4124.9

Sample Name: FA51672-22 Acquired: 3/2/2018 11:20:09 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0004	184.9	0169	1.035	0042	22.61	0009	0287	2500
Stddev	.0004	.2	.0043	.004	.0003	.07	.0002	.0000	.0015
%RSD	92.45	.0843	25.22	4.264	7.510	.2943	19.11	.1291	.5901

#1	-0001	185.0	.0217	1.031	.0039	22.68	.0007	.0287	2484
#2	-0008	184.9	.0154	1.040	.0042	22.60	.0010	.0286	2504
#3	-0003	184.7	.0136	1.035	.0045	22.55	.0009	.0286	2513

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316</
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Sample Name: CCV Acquired: 3/2/2018 11:41:55 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2416	36.09	2.123	1.867	2.072	36.88	2.133	2.048	1.970
Stddev	.0013	.04	.007	.008	.009	.09	.006	.005	.005
%RSD	.5360	.0981	.3552	.4154	.4316	.2555	.2664	.2464	.2729
#1	2421	36.05	2.130	1.875	2.083	36.98	2.140	2.054	1.966
#2	2401	36.10	2.124	1.859	2.066	36.79	2.131	2.046	1.969
#3	2425	36.12	2.115	1.867	2.068	36.87	2.129	2.045	1.976

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.900	37.85	36.93	F 35.48	2.120	2.020	41.17	1.935	2.066
Stddev	.009	.05	.13	.02	.006	.004	.10	.004	.009
%RSD	.4917	.1446	.3615	.0540	.2769	.2169	.2495	.2226	.4164
#1	1.890	37.91	37.09	35.49	2.113	2.024	41.28	1.940	2.076
#2	1.903	37.80	36.86	35.46	2.124	2.021	41.09	1.932	2.060
#3	1.908	37.84	36.85	35.49	2.123	2.016	41.13	1.933	2.063

Check ? Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.143	2.074	2.115	2.021	F 1.782	2.116	2.086	F 2.206	1.934
Stddev	.008	.011	.006	.005	.007	.008	.016	.006	.005
%RSD	.3692	.5182	.2836	.2662	.3721	.3846	.7543	.2947	.2637
#1	2.151	2.085	2.122	2.027	1.787	2.107	2.104	2.199	1.940
#2	2.142	2.073	2.111	2.017	1.774	2.121	2.075	2.212	1.930
#3	2.135	2.064	2.113	2.018	1.784	2.121	2.080	2.206	1.931

Sample Name: CCV Acquired: 3/2/2018 11:41:55 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1637.1	4348.4	3131.2	4093.5
Stddev	3.4	7.4	10.0	6.6
%RSD	.20911	.17021	.03310	.16099
#1	1634.0	4344.0	3130.2	4097.5
#2	1636.6	4344.1	3132.3	4085.9
#3	1640.8	4356.9	3131.1	4097.1

Sample Name: CCB Acquired: 3/2/2018 11:46:06 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-0.096	.0001	-0.001	.0000	.0006	.0000	.0000	.0002
Stddev	.0007	.0028	.0004	.0003	.0001	.0014	.000	.0001	.0003
%RSD	287.3	29.67	295.9	268.7	133.0	217.7	345.9	2366.	146.9
#1	.0006	-0.063	.0001	.0003	.0001	-.0004	.0000	.0001	-.0001
#2	.0007	-0.115	-.0003	-.0003	.0001	.0023	-.0000	.0000	.0005
#3	-.0006	-0.109	.0006	-.0004	.0000	.0000	-.0001	.0000	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	-0.035	.0465	.0058	.0001	F .0013	-.0006	.0001	.0006
Stddev	.0001	.0021	.0188	.0156	.0000	.0004	.0021	.0001	.0002
%RSD	20.34	60.33	40.36	230.5	26.37	32.52	348.3	41.45	39.71
#1	.0006	-.0053	.0425	.0136	.0001	.0016	.0004	.0002	.0008
#2	.0007	-.0012	.0669	.0178	.0001	.0016	.0008	.0001	.0003
#3	.0009	-.0041	.0300	-.0111	.0001	.0008	-.0030	.0001	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	.0007	.0004	.0000	.0000	.0006	.0019	.0002	.0001
Stddev	.0009	.0016	.0000	.000	.0001	.0002	.0018	.0001	.0001
%RSD	447.8	242.6	9.020	1036.	155.2	28.79	91.89	56.18	71.34
#1	-.0013	.0022	.0004	.0003	.0001	.0007	.0021	.0002	.0000
#2	.0004	.0010	.0004	-.0004	.0000	.0004	.0001	.0003	.0001
#3	.0003	-.0011	.0004	.0000	.0001	.0007	.0035	.0001	.0001

Sample Name: CCB Acquired: 3/2/2018 11:46:06 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1812.0	4551.3	32826.	4197.5
Stddev	6.4	8.3	92.	71.3
%RSD	.35065	.18282	.27935	1.6983
#1	1809.8	4548.8	32748.	4193.1
#2	1807.0	4544.5	32803.	4128.4
#3	1819.2	4560.6	32927.	4270.8

Sample Name: CCV Acquired: 3/2/2018 12:05:25 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2470	40.01	1.975	2.009	2.022	40.58	1.996	2.000	2.022
Stddev	.0099	.08	.011	.008	.014	.21	.003	.002	.004
%RSD	.3511	.1878	.5412	.4168	.6710	.5152	.1597	.0859	.1742
#1	2470	40.06	1.988	2.014	2.030	40.72	1.999	2.001	2.026
#2	2479	39.93	1.969	1.999	2.006	40.34	1.997	2.001	2.020
#3	2462	40.05	1.970	2.013	2.029	40.68	1.993	1.998	2.019

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.009	40.58	40.25	40.45	2.033	2.000	40.03	1.999	1.975
Stddev	.008	.09	.11	.19	.008	.002	.18	.000	.003
%RSD	.3836	.2309	.2812	.4740	.3830	.0986	.4377	.0170	.1512
#1	2.018	40.66	40.28	40.67	2.042	2.002	40.11	1.999	1.976
#2	2.004	40.48	40.12	40.35	2.031	2.000	39.83	1.999	1.978
#3	2.005	40.60	40.34	40.33	2.027	1.998	40.15	1.999	1.972

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.984	1.978	1.972	2.031	2.055	2.028	1.976	2.038	2.018
Stddev	.005	.004	.004	.001	.006	.007	.003	.006	.003
%RSD	.2762	.2126	.1841	.0498	.2739	.3510	.1395	.3175	.1321
#1	1.988	1.982	1.976	2.030	2.060	2.036	1.973	2.044	2.019
#2	1.986	1.978	1.973	2.032	2.049	2.027	1.978	2.037	2.021
#3	1.978	1.973	1.968	2.030	2.056	2.022	1.977	2.032	2.015

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCV Acquired: 3/2/2018 12:05:25 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1632.0	4328.2	31248.	4129.1
Stddev	3.5	7.0	77.	11.2
%RSD	.21745	.16138	.24660	.27053
#1	1633.7	4330.7	31173.	4117.9
#2	1634.3	4333.6	31245.	4129.2
#3	1627.9	4320.3	31327.	4140.2

7.3
7

Sample Name: CCB Acquired: 3/2/2018 12:09:39 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.152	-0.001	0.002	0.002	0.041	0.001	0.001	0.004
Stddev	.0001	.0129	.0002	.0002	.0001	.0012	.0000	.0001	.0003
%RSD	42.03	84.65	243.8	108.4	36.38	28.46	32.09	159.6	79.23
#1	-0.001	0.148	-0.001	0.000	0.003	0.052	0.002	0.000	0.002
#2	-0.003	0.026	-0.002	0.001	0.002	0.041	0.001	0.002	0.002
#3	-0.003	0.284	-0.002	0.004	0.002	0.029	0.002	0.000	0.008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.001	0.104	0.124	0.008	0.002	0.027	0.152	0.000	0.000
Stddev	.0003	.0014	.0031	.0186	.0001	.0004	.0038	.0001	.0005
%RSD	584.4	13.13	25.35	2297.	34.47	14.50	24.90	173.1	1002.
#1	-0.001	0.093	0.159	0.010	0.002	0.031	0.121	0.001	-0.005
#2	-0.002	0.100	0.101	0.193	0.003	0.026	0.194	0.000	0.002
#3	0.005	0.119	0.111	-0.178	0.002	0.023	0.142	0.000	0.004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.008	0.014	0.006	0.010	0.002	0.011	0.026	0.001	0.011
Stddev	.0004	.0015	.0004	.0001	.0001	.0001	.0015	.0001	.0000
%RSD	42.37	102.5	63.10	12.36	43.45	7.908	55.33	140.6	3.337
#1	0.012	0.016	0.010	0.009	0.001	0.011	0.042	-0.001	0.011
#2	0.005	0.028	0.008	0.011	0.003	0.012	0.023	0.002	0.012
#3	0.008	-0.001	0.002	0.011	0.002	0.010	0.014	0.001	0.011

Check ? Chk Pass Chk Pass None Chk Fail Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 3/2/2018 12:09:39 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1809.0	4555.6	32917.	4198.7
Stddev	2.3	4.3	63.	18.4
%RSD	.12564	.09513	.19282	.43767
#1	1810.6	4555.4	32897.	4180.1
#2	1810.1	4551.4	32988.	4216.8
#3	1806.4	4560.1	32866.	4199.1

Sample Name: MP33405-MB1 Acquired: 3/2/2018 12:13:46 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.287	0.015	0.000	0.000	-0.031	0.002	0.001	0.001
Stddev	0.002	0.072	0.002	0.000	0.000	0.016	0.000	0.000	0.001
%RSD	141.7	25.22	15.21	195.4	611.2	52.46	8.607	5.510	115.3
#1	0.001	0.207	0.018	-0.002	0.000	-0.044	0.002	0.001	0.002
#2	-0.002	0.348	0.014	0.000	0.000	-0.035	0.001	0.001	0.002
#3	-0.002	0.305	0.014	0.000	0.000	-0.013	0.002	0.002	0.000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.061	-0.003	0.147	0.052	-0.001	-0.006	-0.028	-0.005	0.001
Stddev	0.001	0.012	0.209	0.072	0.000	0.001	0.050	0.000	0.001
%RSD	1.741	347.9	142.5	138.2	14.86	13.15	179.1	3.702	69.27
#1	-0.061	-0.011	-0.058	0.127	-0.001	-0.006	0.028	-0.005	0.001
#2	-0.062	-0.009	0.139	0.046	-0.001	-0.006	-0.043	-0.006	0.003
#3	-0.060	-0.010	0.360	-0.017	-0.001	-0.007	-0.068	-0.005	0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	-0.018	-0.069	0.000	0.000	-0.002	0.046	0.002	-0.001
Stddev	0.002	0.002	0.004	0.002	0.000	0.001	0.001	0.001	0.000
%RSD	58.46	8.979	5.680	1107.	540.3	30.31	2.265	60.46	23.54
#1	-0.007	-0.016	-0.072	-0.002	0.000	-0.003	0.045	0.002	-0.001
#2	-0.002	-0.019	-0.064	0.002	0.000	-0.003	0.047	0.003	-0.001
#3	-0.003	-0.019	-0.069	0.001	0.001	-0.002	0.047	0.001	-0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP33405-MB1 Acquired: 3/2/2018 12:13:46 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5004.8	12451.	84472.	7243.4
Stddev	48.9	124.	435.	186.7
%RSD	.97714	.99840	.51481	2.5781
#1	5003.5	12437.	83974.	7029.2
#2	5054.4	12581.	84671.	7329.2
#3	4956.6	12334.	84773.	7371.9

Sample Name: MP33405-B1 Acquired: 3/2/2018 12:18:09 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.516	27.33	1.981	2.082	0.525	26.03	0.509	5.072	2.086
Stddev	0.003	.14	.002	.004	0.003	.10	0.000	0.002	0.007
%RSD	.5255	.5205	.1113	.2148	.6232	.3956	.0776	.0373	.3434
#1	.0518	27.23	1.978	2.082	.0527	25.99	.0510	5.074	2.090
#2	.0513	27.50	1.983	2.086	.0527	26.14	.0509	5.072	2.091
#3	.0517	27.28	1.980	2.077	.0521	25.94	.0509	5.070	2.078

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2606	26.57	25.53	25.16	5.205	4.895	25.35	5.267	4.831
Stddev	0.007	.09	.05	.22	0.004	0.004	.10	0.006	0.007
%RSD	.2658	.3491	.2003	.8934	.0725	.0723	.3771	.1102	.1463
#1	2603	26.48	25.58	25.24	5.202	4.891	25.37	5.273	4.928
#2	2601	26.67	25.54	25.33	5.209	4.896	25.43	5.265	4.926
#3	2614	26.57	25.48	24.91	5.205	4.898	25.24	5.262	4.940

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.009	1.972	3.726	5.228	5.327	5.250	1.956	4.944	5.056
Stddev	0.003	.003	.0021	.002	.0029	.0014	.006	.0006	.002
%RSD	.0536	.1539	.5549	.0474	.5437	.2686	.2980	.1252	.0357
#1	5.009	1.974	3.715	5.229	5.301	5.234	1.963	4.944	5.056
#2	5.006	1.974	3.750	5.225	5.358	5.255	1.952	4.937	5.058
#3	5.011	1.969	3.713	5.229	5.320	5.261	1.954	4.950	5.054

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP33405-B1 Acquired: 3/2/2018 12:18:09 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1693.1	4407.6	31712.	4171.3
Stddev	1.3	7.3	86.	23.7
%RSD	.07941	.16535	.27009	.56866
#1	1694.2	4414.6	31613.	4185.1
#2	1691.6	4400.1	31761.	4143.9
#3	1693.5	4408.1	31762.	4184.8

Sample Name: FA51926-1 Acquired: 3/2/2018 12:22:20 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.0354	.0001	.0113	.0000	31.07	.0003	-.0001	.0007
Stddev	.0002	.0150	.0002	.0002	.0000	.22	.0000	.0001	.0003
%RSD	199.3	42.30	141.1	1.551	344.6	.7170	16.30	88.00	47.61
#1	.0003	.0421	-.0001	.0113	.0000	30.88	.0002	.0000	.0005
#2	.0001	.0182	.0001	.0112	-.0001	31.01	.0003	-.0002	.0010
#3	-.0001	.0458	.0003	.0116	.0000	31.31	.0003	-.0001	.0005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1011	.0897	10.78	18.93	.0247	.0027	F 100.5	.0044	.0219
Stddev	.0005	.0048	.11	.20	.0001	.0004	1.0	.0001	.0006
%RSD	.4519	5.314	1.006	1.048	.5397	13.51	.9474	1.716	2.896
#1	.1007	.0951	10.67	18.83	.0247	.0030	99.97	.0043	.0213
#2	.1009	.0880	10.78	18.80	.0246	.0027	99.96	.0044	.0226
#3	.1016	.0860	10.89	19.16	.0248	.0023	101.6	.0045	.0217
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0007	.0013	4.225	.0015	.2093	.0015	.0012	.0006	.2673
Stddev	.0011	.0009	.011	.0001	.0012	.0002	.0005	.0003	.0007
%RSD	168.2	69.69	2.587	6.883	.5609	13.37	41.07	38.59	2.650
#1	-.0005	.0019	4.220	.0015	.2084	.0017	.0012	.0005	.2666
#2	.0018	.0018	4.238	.0015	.2089	.0015	.0016	.0009	.2680
#3	.0007	.0003	4.218	.0017	.2106	.0013	.0007	.0005	.2671
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1678.8	4303.0	30798.	4101.4					
Stddev	2.9	7.0	263.	46.0					
%RSD	.17308	.16186	.85433	1.1218					
#1	1676.3	4310.3	30652.	4132.1					
#2	1678.2	4296.4	31102.	4123.5					
#3	1682.0	4302.3	30640.	4048.5					

Sample Name: MP33405-D1 Acquired: 3/2/2018 12:26:42 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0004	.0351	-.0010	.0118	.0000	31.36	.0003	.0000	.0005
Stddev	.0005	.0084	.0007	.0003	.0001	.08	.0000	.0001	.0004
%RSD	122.8	23.83	76.85	2.505	359.7	.2440	13.85	685.5	75.50
#1	.0009	.0405	-.0012	.0117	-.0001	31.41	.0003	-.0001	.0008
#2	-.0001	.0394	-.0016	.0121	.0001	31.40	.0003	.0001	.0001
#3	.0003	.0255	-.0001	.0115	.0000	31.27	.0003	.0000	.0007
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1018	.0952	10.87	19.17	.0249	.0021	F 101.5	.0045	.0227
Stddev	.0005	.0038	.04	.10	.0002	.0002	.4	.0001	.0006
%RSD	.4923	4.009	.3472	.5306	.7536	9.299	.3588	1.984	2.723
#1	.1021	.0941	10.89	19.07	.0247	.0020	101.4	.0045	.0231
#2	.1021	.0955	10.88	19.17	.0249	.0019	101.8	.0044	.0220
#3	.1012	.0921	10.82	19.28	.0251	.0023	101.1	.0045	.0231
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0010	.0004	4.256	.0014	.2124	.0013	.0003	.0005	.2695
Stddev	.0006	.0015	.006	.0001	.0011	.0001	.0008	.0004	.0006
%RSD	63.86	394.3	.1416	7.266	.5242	7.119	236.0	78.55	2.077
#1	.0016	.0014	4.250	.0015	.2112	.0014	.0010	.0010	.2701
#2	.0008	.0011	4.256	.0013	.2133	.0013	.0006	.0001	.2692
#3	.0004	-.0014	4.262	.0015	.2128	.0012	-.0005	.0005	.2692
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1681.0	4304.4	30822.	4088.8					
Stddev	2.0	6.6	45.	18.7					
%RSD	.11976	.15348	.14635	.45718					
#1	1681.4	4300.7	30822.	4067.7					
#2	1682.7	4312.1	30777.	4103.3					
#3	1678.8	4300.5	30867.	4095.4					

7.3
7

Sample Name: MP33405-SD1 Acquired: 3/2/2018 12:31:04 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0001	.0946	.0003	.0111	.0000	30.79	.0006	-.0002	.0000
Stddev	.0027	.0689	.0031	.0004	.0000	.05	.0002	.0007	.0006
%RSD	2329.	72.87	1099.	3.320	1843.	.1774	40.16	294.0	1031.0
#1	-.0032	.0465	-.0031	.0115	-.0001	30.74	.0007	.0005	.0001
#2	.0010	.0638	.0012	.0108	.0002	30.77	.0003	-.0004	-.0007
#3	.0018	.1736	.0028	.0112	-.0001	30.85	.0008	-.0009	.0006
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0998	.1111	10.41	18.92	.0245	.0015	99.38	.0034	.0216
Stddev	.0015	.0075	.30	.11	.0003	.0003	.22	.0017	.0036
%RSD	1.544	6.767	2.909	.6071	1.179	16.24	2.219	49.43	16.77
#1	.0994	.1066	10.43	18.90	.0243	.0013	99.19	.0053	.0174
#2	.1012	.1068	10.71	19.04	.0243	.0017	99.32	.0028	.0234
#3	.0981	.1198	10.10	18.81	.0248	.0016	99.62	.0021	.0239
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0029	.0030	4.088	.0046	.2062	.0022	.0142	-.0006	.2951
Stddev	.0062	.0016	.016	.0017	.0012	.0005	.0063	.0012	.0012
%RSD	212.5	53.22	.3908	36.07	.5858	24.16	44.69	205.0	4.208
#1	-.0062	.0036	4.105	.0058	.2049	.0020	.0208	-.0006	.2965
#2	-.0067	.0012	4.074	.0027	.2065	.0018	.0082	-.0006	.2948
#3	.0042	.0041	4.083	.0053	.2073	.0028	.0135	-.0017	.2941
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1784.2	4523.8	32402.	4184.1					
Stddev	8.5	18.5	70.	22.0					
%RSD	.47372	.40936	.21652	.52530					
#1	1781.1	4509.6	32343.	4164.4					
#2	1777.8	4517.1	32384.	4207.8					
#3	1793.8	4544.8	32480.	4180.1					

Sample Name: MP33405-PS1 Acquired: 3/2/2018 12:35:30 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0489	2.436	.1017	.2829	.0506	35.36	.0481	.0485	.0491
Stddev	.0005	.035	.0002	.0009	.0003	.20	.0001	.0000	.0003
%RSD	.9242	1.454	.1621	.3270	.5542	.5626	.2759	.1003	.5459
#1	.0494	2.436	.1015	.2619	.0503	35.16	.0483	.0486	.0494
#2	.0486	2.401	.1018	.2633	.0509	35.56	.0480	.0485	.0491
#3	.0488	2.471	.1018	.2634	.0505	35.37	.0481	.0485	.0489
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1997	2.989	20.46	23.40	.0733	.0831	F 107.4	.1040	.0674
Stddev	.0013	.013	.14	.09	.0004	.0004	.4	.0005	.0023
%RSD	.6596	.4354	.6821	.3893	.5485	.4516	.3981	.5100	3.409
#1	.1999	2.975	20.32	23.30	.0729	.0932	107.1	.1044	.0700
#2	.2009	2.991	20.59	23.45	.0735	.0934	107.9	.1040	.0657
#3	.1983	3.000	20.48	23.46	.0736	.0926	107.2	.1034	.0665
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_			

Sample Name: MP33405-S1 Acquired: 3/2/2018 12:39:47 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0515	27.01	1.987	2.083	0.522	55.35	0.503	5.010	2.052
Stddev	.0003	.19	.002	.012	.0002	.23	.0001	.0005	.0006
%RSD	.6175	.6875	.0956	.5691	.3902	.4180	.1253	.0910	.2960
#1	.0513	26.80	1.986	2.071	.0523	55.24	.0503	5.008	2.048
#2	.0519	27.09	1.985	2.095	.0523	55.21	.0504	5.008	2.059
#3	.0513	27.15	1.989	2.082	.0520	55.62	.0503	5.015	2.049

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3576	26.20	35.91	43.02	5370	4926	F 121.1	5249	5064
Stddev	.0016	.20	.10	.17	.0006	.0005	.3	.0003	.0019
%RSD	.4452	.7771	.2804	.3843	.1046	.0917	.2076	.0522	.3810
#1	.3559	25.97	35.79	42.84	.5365	4925	120.9	5246	5046
#2	.3590	26.35	35.97	43.07	.5376	4923	121.3	5251	5060
#3	.3579	26.29	35.97	43.16	.5369	4932	121.2	5250	5084

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	5016	1.952	4.517	5.164	7340	5223	1.908	4932	7497
Stddev	.0006	.002	.006	.0006	.0060	.0004	.006	.0008	.0008
%RSD	.1259	.1037	.1309	.1155	.8190	.0801	.3207	.1722	.1046
#1	.5021	1.954	4.516	.5170	.7277	5221	1.914	4941	7496
#2	.5009	1.951	4.512	.5158	.7397	5227	1.902	4924	7490
#3	.5019	1.950	4.524	.5163	.7346	5219	1.908	4932	7506

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1626.8	4284.3	3076.0	4142.0
Stddev	3.3	5.9	33.	33.1
%RSD	.20369	.13841	.10567	.79967
#1	1626.3	4286.6	3079.6	4139.7
#2	1630.4	4288.7	3074.9	4176.3
#3	1623.8	4277.6	3073.4	4110.2

Sample Name: MP33405-S2 Acquired: 3/2/2018 12:43:59 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0515	27.45	2.019	2.104	0.529	55.50	0.511	5.070	2.055
Stddev	.0006	.09	.008	.008	.0003	.22	.0002	.0010	.0012
%RSD	1.134	.3223	.3863	.3848	.4764	.3882	.3597	.1905	.5915
#1	.0516	27.38	2.018	2.100	.0526	55.31	.0511	5.071	2.050
#2	.0509	27.55	2.027	2.113	.0531	55.74	.0513	5.079	2.045
#3	.0520	27.42	2.011	2.098	.0529	55.46	.0509	5.060	2.068

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3604	26.63	36.18	43.27	5396	4981	F 121.8	5291	5138
Stddev	.0045	.05	.18	.26	.0048	.0014	.6	.0013	.0028
%RSD	1.260	.1939	.4992	.6047	.8953	.2778	.4595	.2447	.5365
#1	.3609	26.63	36.01	43.11	.5407	4987	121.4	5305	5133
#2	.3557	26.68	36.37	43.57	.5344	4990	122.4	5287	5168
#3	.3647	26.58	36.15	43.12	.5439	4965	121.6	5280	5114

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	5112	1.982	4.552	5.214	7400	5263	1.936	4988	7517
Stddev	.0026	.005	.013	.0024	.0022	.0047	.011	.0055	.0018
%RSD	.0505	.2422	.2793	.4581	.2942	.8977	.5676	1.106	.2445
#1	.5099	1.978	4.549	5.226	.7379	5270	1.935	4989	7535
#2	.5142	1.987	4.565	5.230	.7422	5212	1.948	4932	7519
#3	.5095	1.980	4.540	5.187	.7399	5306	1.926	5042	7498

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1624.2	4277.6	3080.5	4180.4
Stddev	7.6	8.6	235.	34.1
%RSD	.46764	.20145	.76316	.81559
#1	1622.6	4271.8	3068.0	4208.3
#2	1617.6	4273.5	3107.6	4142.4
#3	1632.5	4287.5	3065.8	4190.6

7.3
7

Sample Name: FA51926-2 Acquired: 3/2/2018 12:48:10 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	0.964	-0.002	0.052	0.000	14.28	0.004	0.001	0.005
Stddev	.0005	.0149	.0003	.0000	.000	.02	.0000	.0001	.0001
%RSD	734.6	15.50	141.5	.7696	374.5	.1180	4.434	145.2	21.98
#1	.0005	.0976	-0.005	.0052	-0.001	14.26	.0004	.0002	.0004
#2	-0.0004	.1107	.0001	.0052	.0000	14.29	.0004	.0002	.0007
#3	.0000	.0809	-0.003	.0052	.0000	14.29	.0004	-0.001	.0006

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0548	1.058	5.460	8.548	0.233	0.018	F 140.4	0.068	0.061
Stddev	.0003	.0032	.035	.026	.0000	.0001	.1	.0003	.0007
%RSD	.4802	3.043	.6421	.3040	.2023	5.671	.0982	3.880	10.83
#1	.0545	1.023	5.459	8.521	.0233	0.019	140.6	.0069	.0060
#2	.0550	1.087	5.496	8.573	.0232	0.017	140.3	.0070	.0068
#3	.0550	1.063	5.425	8.548	.0233	0.018	140.4	.0065	.0055

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0009	.0008	4.250	0.019	0.960	0.010	-0.006	2.685	0.002
Stddev	.0009	.0022	.011	.0002	.0003	.0001	.0010	.0002	.0009
%RSD	96.18	279.4	.2689	11.03	.2835	8.987	156.2	27.07	.3479
#1	-0.0011	.0018	4.241	.0018	.0959	.0009	-0.002	.0006	.2687
#2	.0014	-0.017	4.247	.0017	.0963	.0011	-0.018	.0007	.2675
#3	.0014	.0023	4.263	.0021	.0958	.0009	.0001	.0004	.2693

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1714.7	4401.2	3136.4	4228.7
Stddev	1.1	6.5	111.	38.6
%RSD	.06442	.14771	.35258	.91167
#1	1714.4	4407.4	3147.1	4261.6
#2	1713.7	4401.8	3125.0	4238.3
#3	1715.9	4394.4	3137.2	4186.3

Sample Name: FA51927-1 Acquired: 3/2/2018 12:52:35 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.004	0.406	-0.003	0.071	0.000	8.299	0.000	-0.001	0.000
Stddev	.0003	.0053	.0007	.0001	.0000	.026	.000	.0001	.000
%RSD	73.16	13.12	218.4	.8072	91.08	.3177	147.9	65.77	1781.
#1	.0004	.0352	-0.011	.0170	.0000	8.314	.0000	-0.001	-0.002
#2	.0001	.0459	.0001	.0170	.0000	8.268	-0.001	-0.002	-0.002
#3	.0007	.0408	.0001	.0173	.0001	8.314	.0000	-0.001	.0003

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	5482	0.816	5.653	2.165	0.025	0.004	9.732	0.013	0.024
Stddev	.0002	.0029	.0305	.021	.0000	.0001	.008	.0001	.0001
%RSD	.0312	4.717	5.388	.9777	.7631	39.46	.0826	10.37	.0963
#1	5482	0.822	5.521	2.176	.0025	.0003	9.735	.0012	.024
#2	5484	0.648	5.436	2.179	.0025	.0003	9.723	.0	

Sample Name: CCV Acquired: 3/2/2018 12:56:59 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2478	39.87	1.973	2.038	2.032	40.75	1.985	2.003	1.990
Stddev	.0021	.17	.003	.009	.011	.21	.002	.002	.007
%RSD	.8434	.4209	.1729	.4212	.5633	.5180	.1010	.1090	.3321
#1	2461	39.96	1.976	2.048	2.043	40.96	1.987	2.005	1.984
#2	2471	39.97	1.969	2.034	2.035	40.75	1.983	2.001	1.989
#3	2501	39.67	1.972	2.032	2.020	40.53	1.985	2.003	1.997

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.013	40.18	40.84	40.06	1.997	1.998	40.19	2.008	1.966
Stddev	.006	.20	.19	.23	.001	.002	.20	.004	.005
%RSD	.2949	.5007	.4735	.5851	.0670	.0865	4.886	.1799	.2820
#1	2.007	40.24	41.03	40.26	1.995	1.998	40.37	2.011	1.959
#2	2.013	40.34	40.84	40.13	1.997	1.997	40.22	2.004	1.968
#3	2.019	39.95	40.65	39.81	1.998	2.000	39.98	2.010	1.970

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.985	1.977	1.975	2.027	2.073	1.996	1.973	2.012	2.005
Stddev	.000	.012	.001	.004	.006	.004	.006	.003	.002
%RSD	.0152	.5829	.0456	.2023	.2845	.2035	.2885	.1486	.0863
#1	1.984	1.984	1.975	2.032	2.078	1.992	1.967	2.008	2.007
#2	1.985	1.964	1.974	2.024	2.073	1.997	1.979	2.013	2.004
#3	1.985	1.983	1.976	2.027	2.067	2.000	1.974	2.014	2.005

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 3/2/2018 12:56:59 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1644.9	4379.7	31813.	4218.3
Stddev	2.1	7.1	56.	33.7
%RSD	.12792	.16098	.17749	.79914
#1	1646.8	4377.5	31876.	4192.0
#2	1645.4	4387.6	31766.	4206.6
#3	1642.6	4374.0	31798.	4256.3

Sample Name: CCB Acquired: 3/2/2018 13:01:09 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0102	-.0014	-.0001	.0001	.0028	.0000	.0000	.0000
Stddev	.0000	.0125	.0004	.0002	.0001	.0047	.0000	.000	.000
%RSD	16.41	123.2	25.75	240.2	62.01	166.0	122.1	266.5	257.1
#1	.0002	.0200	-.0010	-.0003	.0002	.0000	.0001	-.0001	.0000
#2	.0003	-.0040	-.0017	-.0001	.0001	.0083	.0000	.0000	-.0001
#3	.0003	.0145	-.0016	-.0001	.0000	.0002	.0000	.0001	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0070	.0227	.0128	.0001	F .0012	.0220	.0000	.0000
Stddev	.0002	.0033	.0110	.0151	.0000	.0003	.0031	.000	.000
%RSD	168.2	46.35	48.30	117.8	17.19	25.05	14.01	812.1	1079.
#1	-.0001	.0034	.0354	.0253	.0001	.0015	.0254	-.0001	-.0004
#2	-.0001	.0096	.0152	.0171	.0001	.0013	.0212	-.0001	.0004
#3	-.0003	.0081	.0177	-.0039	.0000	.0009	.0194	.0002	-.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0001	-.0003	.0007	.0001	.0006	F .0023	.0000	.0002
Stddev	.0002	.0009	.0002	.0002	.0001	.0001	.0016	.000	.0000
%RSD	80.93	1184.	63.33	31.65	137.6	9.874	70.26	152.4	21.80
#1	.0002	.0011	-.0002	.0009	.0001	.0006	.0009	.0000	.0002
#2	.0006	-.0003	-.0001	.0008	.0000	.0006	.0041	.0000	.0002
#3	.0001	-.0006	-.0004	.0005	.0002	.0005	.0021	.0000	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: CCB Acquired: 3/2/2018 13:01:09 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1828.0	4593.2	33335.	4289.3
Stddev	3.1	2.7	67.	46.2
%RSD	.16706	.05843	.19965	1.0766
#1	1824.8	4595.2	33410.	4276.3
#2	1830.8	4594.3	33312.	4251.0
#3	1826.4	4590.2	33283.	4340.6

Sample Name: FA51927-2 Acquired: 3/2/2018 13:05:37 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	.0002	.0349	.0000	.0127	.0000	7.149	.0000	-.0002	.0003
Stddev	.0004	.0240	.001	.0001	.000	.002	.0000	.0000	.0001
%RSD	169.7	68.81	139.3	1.069	303.0	.0336	55.85	15.45	43.35

#1	.0000	.0550	.0005	.0126	.0000	7.148	.0001	-.0001	.0003
#2	.0007	.0083	-.0001	.0128	.0000	7.148	.0000	-.0002	.0001
#3	.0000	.0416	-.0005	.0128	.0000	7.152	.0000	-.0002	.0004

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0682	.1452	.4592	1.883	.0038	.0005	11.12	.0008	.0035
Stddev	.0002	.0018	.0127	.025	.0001	.0001	.02	.0001	.0001
%RSD	.2329	1.234	2.757	1.310	1.896	13.20	2161	10.96	4.048

#1	.0681	.1470	.4504	1.899	.0038	.0005	11.12	.0008	.0034
#2	.0684	.1434	.4534	1.895	.0038	.0005	11.09	.0007	.0033
#3	.0681	.1454	.4737	1.854	.0037	.0006	11.13	.0009	.0036

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	
Avg	.0008	.0027	1.415	.0011	.0644	.0006	.0013	.0000	.1279
Stddev	.0006	.0012	.001	.0002	.0001	.0000	.0005	.0003	.0002
%RSD	72.44	43.22	.0474	15.56	.1692	7.123	37.71	815.6	1.382

#1	.0014	.0041	1.415	.0012	.0645	.0005	.0008	.0003	.1278
#2	.0003	.0019	1.416	.0013	.0645	.0006	.0016	-.0003	.1278
#3	.0007	.0022	1.416	.0009	.0643	.0006	.0017	.0002	.1281

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1806.9	4553.1	33032.	4285.3
Stddev	3.0	4.7	159.	27.1
%RSD	.16468	.10303	.48156	.63216

#1	1806.0	4557.5	32998.	4315.0
#2	1804.4	4553.5	32893.	4279.0
#3	1810.2	4548.2	33206.	4262.0

Sample Name: FA51927-3 Acquired: 3/2/2018 13:10:03 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-.0002	.0487	-.0003	.0061	.0000	9.393	.0000	-.0002	.0003
Stddev	.0001	.0053	.0005	.0001	.000	.045	.0001	.0001	.0001
%RSD	89.65	10.93	173.3	1.065	403.4	.4806	194.3	65.31	43.53

#1	-.0000	.0478	-.0001	.0062	.0000	9.430	.0000	-.0002	.0002
#2	-.0001	.0439	.0001	.0061	-.0001	9.343	.0001	-.0001	.0004
#3	-.0003	.0545	-.0009	.0060	.0000	9.407	.0000	-.0003	.0002

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.4233	.0272	.4750	2.027	.0013	.0003	9.477	.0039	.0295
Stddev	.0034	.0011	.0276	.011	.0000	.0002	.067	.0004	.0005
%RSD	.8077	4.227	5.814	.5175	1.544	52.79	.7108	8.962	1.613

#1	.4214	.0281	.4862	2.039	.0013	.0003	9.537	.0041	.0290
#2	.4212	.0259	.4952	2.023	.0013	.0005	9.490	.0041	.0298
#3	.4272	.0275	.4435	2.019	.0013	.0001	9.404	.0035	.0298

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0009	.0022	1.424	.0024	.0857	.0005	-.0002	-.0003	.6636
Stddev	.0003	.0016	.002	.0002	.0005	.0001	.0012	.0005	.0025
%RSD	30.04	73.49	.1686	8.447	.5596	25.32	630.6	134.4	.3755

#1	.0006	.0004	1.421	.0026	.0863	.0006	.0006	-.0008	.6630
#2	.0009	.0026	1.423	.0022	.0853	.0003	.0004	.0001	.6615
#3	.0012	.0034	1.426	.0023	.0856	.0005	-.0016	-.0003	.6663

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1782.4	4485.0	32572.	4222.3
Stddev	.7	2.7	147.	44.8
%RSD	.03707	.05959	.45169	1.0602

#1	1781.7	4485.8	32652.	4170.6
#2	1783.0	4487.1	32403.	4250.0
#3	1782.5	4482.0	32663.	4246.3

7.3
7

Sample Name: FA52090-5A Acquired: 3/2/2018 13:14:27 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	.0001	.8983	.0004	.0328	.0000	6.267	.0002	.0007	.0059
Stddev	.0003	.0172	.0005	.0002	.0000	.011	.0001	.0001	.0004
%RSD	443.5	1.916	137.3	.7056	1258.	.1809	20.90	9.122	6.998

#1	.0000	.9147	.0009	.0326	.0000	6.254	.0002	.0007	.0055
#2	-.0002	.8998	.0005	.0329	.0000	6.273	.0003	.0007	.0063
#3	.0005	.8804	-.0002	.0330	.0000	6.273	.0003	.0006	.0060

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0113	1.528	1.638	.6439	.0244	.0028	2.344	.0062	.0129
Stddev	.0003	.008	.014	.0207	.0002	.0002	.007	.0001	.0010
%RSD	2.678	.5038	.8326	3.212	.7339	8.632	2.994	1.483	7.494

#1	.0116	1.524	1.627	.6676	.0245	.0030	2.339	.0061	.0140
#2	.0110	1.537	1.653	.6299	.0245	.0028	2.352	.0063	.0122
#3	.0112	1.524	1.634	.6341	.0242	.0025	2.341	.0061	.0124

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0017	.0027	1.642	.0042	.0237	.0586	-.0001	.0032	.1808
Stddev	.0012	.0017	.006	.0001	.0004	.0038	.0007	.0002	.0006
%RSD	72.21	64.23	.3846	1.348	1.519	6.411	857.6	6.032	.3238

#1	.0006	.0013	1.645	.0042	.0233	.0625	.0006	.0034	.1802
#2	.0030	.0022	1.635	.0043	.0239	.0582	-.0008	.0030	.1814
#3	.0015	.0047	1.646	.0043	.0239	.0550	.0000	.0032	.1808

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1754.3	4448.0	32428.	4174.6
Stddev	.9	6.0	70.	15.9
%RSD	.04868	.13427	.21715	.37997

#1	1753.4	4448.4	32350.	4191.0
#2	1754.6	4453.8	32447.	4173.5
#3	1755.0	4441.8	32487.	4159.3

Sample Name: FA52026-13 Acquired: 3/2/2018 13:18:51 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	.0000	.0501	-.0007	.3949	.0000	266.3	.0000	.0000	.0113
Stddev	.0002	.0083	.0005	.0005	.000	1.1	.0000	.0001	.0003
%RSD	513.8	16.59	75.91	.1272	160.0	.3947	408.9	478.1	2.942

#1	.0002	.0505	-.0011	.3945	.0000	267.2	.0000	.0000	.0110
#2	-.0002	.0416	-.0008	.3947	.0000	265.1	.0000	.0001	.0116
#3	.0001	.0582	-.0001	.3954	.0000	266.6	.0000	-.0001	.0114</

Sample Name: FA52004-3 Acquired: 3/2/2018 13:23:23 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Avg	.0593	.0735	-0.047	-0.008	-0.001	2.126	.0001	.0168
Stddev	.0006	.0201	.0003	.0002	.0000	.006	.0001	.0001
%RSD	.9391	27.31	7.324	21.83	71.54	.2842	103.2	.5992

#1	.0596	.0926	-0.044	-0.008	.0000	2.131	.0001	.0167
#2	.0597	.0526	-0.047	-0.006	.0000	2.119	.0000	.0169
#3	.0587	.0755	-0.051	-0.009	-0.001	2.128	.0002	.0168

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	.0181	.0010	171.9	F 282.0	.4113	.8595	.0059	F 91.27
Stddev	.0002	.0004	.6	1.4	.0310	.0013	.0003	.29
%RSD	1.059	38.45	.3335	4.868	7.539	.1537	5.055	.3135

#1	.0183	.0011	172.2	283.2	.4013	.8583	.0056	91.48
#2	.0180	.0014	172.3	282.2	.3866	.8592	.0059	91.39
#3	.0180	.0006	171.2	280.5	.4461	.8609	.0062	90.94

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.0536	F -0.245	.0053	F -.0119	.2679	.0032	.0029	.0153
Stddev	.0004	.0010	.0012	.0013	.0002	.0003	.0001	.0001
%RSD	.6950	4.024	22.40	11.09	.0747	8.012	2.395	.3561

#1	.0537	-0.250	.0065	-0.104	.2677	.0030	.0030	.0153
#2	.0538	-0.252	.0041	-0.130	.2681	.0033	.0029	.0153
#3	.0531	-0.234	.0053	-0.124	.2681	.0035	.0029	.0152

Elem	Tl1908	V_2924	Zn2062
IS Ref	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0002	.1754	.0359
Stddev	.0018	.0014	.0003
%RSD	899.8	.7915	.7005

#1	.0011	.1739	.0356
#2	-0.0023	.1757	.0361
#3	.0006	.1767	.0359

Sample Name: FA52004-3 Acquired: 3/2/2018 13:23:23 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1639.5	4271.3	30370.	4171.5
Stddev	6.2	4.5	99.	23.5
%RSD	.37636	.10496	.32683	.56240

#1	1638.4	4276.0	30483.	4144.6
#2	1634.0	4267.1	30328.	4187.6
#3	1646.2	4270.8	30299.	4182.3

7.3
7

Sample Name: MP33406-MB1 Acquired: 3/2/2018 13:27:47 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem Units	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Avg	.0001	.0124	-0.0012	.0002	.0000	.0078	.0000	-0.0002	.0000
Stddev	.0001	.0066	.0004	.0001	.0001	.0023	.0001	.0000	.0004
%RSD	208.9	53.14	29.95	65.49	17430.	28.97	256.3	15.04	848.3

#1	-0.0001	.0178	-0.0015	.0004	.0000	.0101	.0001	-0.0001	-0.0001
#2	.0001	.0051	-0.0008	.0002	-0.0001	.0076	.0000	-0.0002	-0.0003
#3	.0002	.0145	-0.0013	.0001	.0000	.0056	.0000	-0.0002	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	-0.0003	.0103	.1695	.0162	.0000	-0.0002	.0413	-0.0002	-0.0003
Stddev	.0003	.0037	.0332	.0158	.0000	.0001	.0079	.0001	.0010
%RSD	112.1	36.32	19.70	97.75	53.04	62.46	19.13	62.23	303.4

#1	-0.0006	.0102	.1987	.0113	.0000	-0.0001	.0373	-0.0001	-0.0009
#2	-0.0001	.0067	.1329	.0339	.0001	-0.0003	.0361	-0.0001	.0009
#3	-0.0001	.0142	.1738	.0034	.0000	-0.0001	.0504	-0.0003	-0.0010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem Units	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Avg	.0007	-0.0003	.0030	.0007	.0000	-0.0001	-0.0008	-0.0002	.0004
Stddev	.0011	.0014	.0005	.0002	.000	.0001	.0010	.0000	.0001
%RSD	166.1	512.9	16.24	32.42	76.90	117.4	131.9	9.475	24.38

#1	.0009	-0.0013	.0034	.0010	.0000	-0.0001	.0000	-0.0002	.0005
#2	.0017	.0014	.0025	.0006	.0000	-0.0002	-0.0004	-0.0001	.0003
#3	-0.0006	-0.0009	.0031	.0006	.0000	.0000	-0.0019	-0.0002	.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP33406-MB1 Acquired: 3/2/2018 13:27:47 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std. Units	In2306	Y_2243	Y_3600	Y_3710
Avg	1801.7	4550.8	33259.	4287.1
Stddev	2.6	8.5	89.	17.4
%RSD	.14266	.18688	.26888	.40600

#1	1799.2	4552.1	33234.	4304.3
#2	1804.4	4558.5	33184.	4269.5
#3	1801.6	4541.7	33358.	4287.6

Sample Name: MP33406-B1 Acquired: 3/2/2018 13:32:17 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0505	26.83	1.951	2.072	0525	25.64	0504	5053	2050
Stddev	.0003	.10	.002	.002	.0001	.01	.0001	.0004	.0003
%RSD	.6637	.3868	.1134	.0870	.2203	.0582	.1420	.0843	.1697
#1	.0507	26.93	1.952	2.071	.0526	25.62	0504	5051	2051
#2	.0508	26.73	1.953	2.074	.0524	25.65	0505	5058	2054
#3	.0501	26.84	1.948	2.071	.0524	25.64	0504	5050	2047

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2576	26.06	25.28	24.87	5144	4859	25.00	5265	4876
Stddev	.0002	.08	.03	.05	.0008	.0012	.07	.0006	.0014
%RSD	.0820	.2986	.1280	.2047	.1492	.2503	.2723	.1207	.2931
#1	.2575	26.12	25.32	24.81	.5140	4846	25.07	5262	4882
#2	.2574	26.10	25.28	24.89	.5153	4860	24.97	5261	4885
#3	.2578	25.97	25.25	24.90	.5139	4871	24.95	5272	4859

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4934	1.933	3672	5176	5268	5159	1.929	4901	5009
Stddev	.0011	.006	.0010	.0010	.0007	.0006	.004	.0001	.0007
%RSD	.2280	.3216	.2836	.1848	.1245	.1104	.2216	.0271	.1309
#1	4927	1.928	3661	5172	5265	5157	1.924	4902	5004
#2	4928	1.931	3673	5169	5275	5166	1.929	4901	5007
#3	4947	1.940	3681	5187	5263	5155	1.933	4900	5016

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: MP33406-B1 Acquired: 3/2/2018 13:32:17 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1705.1	4439.5	32005.	4184.8
Stddev	1.8	3.0	114.	18.8
%RSD	.10473	.06725	.35520	.44896
#1	1704.1	4436.6	31877.	4197.9
#2	1707.1	4442.6	32046.	4193.3
#3	1703.9	4439.3	32093.	4163.3

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2576	26.06	25.28	24.87	5144	4859	25.00	5265	4876
Stddev	.0002	.08	.03	.05	.0008	.0012	.07	.0006	.0014
%RSD	.0820	.2986	.1280	.2047	.1492	.2503	.2723	.1207	.2931
#1	.2575	26.12	25.32	24.81	.5140	4846	25.07	5262	4882
#2	.2574	26.10	25.28	24.89	.5153	4860	24.97	5261	4885
#3	.2578	25.97	25.25	24.90	.5139	4871	24.95	5272	4859

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Raw Data MA14720 page 74 of 165

Sample Name: FA52105-1 Acquired: 3/2/2018 13:36:29 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.0878	-.0012	.0124	.0000	82.95	.0000	.0000	.0003
Stddev	.0002	.0190	.0006	.0003	.0001	.24	.000	.000	.0001
%RSD	141.9	21.63	49.84	2.678	354.1	.2863	12.51	156.6	57.28
#1	-.0001	.1077	-.0011	.0124	.0000	82.78	.0000	-.0001	.0001
#2	.0003	.0860	-.0007	.0120	.0001	82.84	.0000	.0000	.0003
#3	.0002	.0698	-.0019	.0127	.0000	83.22	.0000	.0000	.0004

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0002	.0200	6.536	7.072	.0016	.0048	9.412	.0002	-.0001
Stddev	.0001	.0040	.042	.036	.0000	.0000	.085	.0002	.0006
%RSD	68.06	20.14	.6368	.5064	.4137	.6941	9.062	146.8	413.7
#1	-.0002	.0227	6.544	7.053	.0016	.0048	9.389	.0003	-.0008
#2	-.0003	.0218	6.490	7.113	.0016	.0048	9.340	.0003	-.0003
#3	-.0001	.0153	6.572	7.049	.0016	.0048	9.506	-.0001	.0000

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0013	.0031	3853	.0011	1246	.0029	.0012	.0055	-.0016
Stddev	.0006	.0012	.0018	.0002	.0005	.0003	.0004	.0004	.0001
%RSD	47.32	38.66	.4554	21.07	.4312	8.569	32.09	6.699	5.579
#1	.0007	.0028	3865	.0009	1242	.0027	.0017	.0051	-.0016
#2	.0019	.0022	3833	.0010	1244	.0030	.0012	.0058	.0015
#3	.0012	.0045	3861	.0013	1252	.0032	.0009	.0057	-.0016

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1740.7	4427.1	32062.	4276.2
Stddev	2.6	8.8	60.	23.6
%RSD	.15150	.19834	.18812	.55214
#1	1740.4	4437.2	32109.	4289.2
#2	1743.5	4422.3	31994.	4290.4
#3	1738.2	4421.8	32082.	4248.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: MP33406-D1 Acquired: 3/2/2018 13:40:56 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0002	.0923	-.0009	.0123	.0000	83.03	.0000	-.0002	.0002
Stddev	.0009	.0025	.0007	.0003	.0000	.28	.0001	.0001	.0001
%RSD	600.9	2.738	85.56	2.456	139.2	.3323	229.8	39.48	46.65
#1	-.0011	.0901	-.0002	.0121	.0001	82.93	.0000	-.0002	.0002
#2	-.0001	.0951	-.0017	.0126	.0000	83.35	.0000	-.0001	.0003
#3	.0008	.0916	-.0008	.0121	.0000	82.82	.0001	-.0002	.0001

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0001	.0172	6.524	7.054	.0016	.0045	9.425	.0002	-.0003
Stddev	.0001	.0022	.069	.012	.0001	.0001	.013	.0001	.0000
%RSD	185.0	12.83	1.050	.1685	4.688	1.863	.1411	61.19	8.997
#1	.0000	.0149	6.512	7.061	.0017	.0046	9.433	.0002	-.0003
#2	.0002	.0174	6.598	7.040	.0015	.0045	9.431	.0001	-.0004
#3	.0000	.0194	6.462	7.061	.0017	.0044	9.409	.0004	-.0003

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0015	.0020	3800	.0007	1257	.0024	.0015	.0057	.0017
Stddev	.0012	.0026	.0013	.0002	.0006	.0001	.0011	.0002	.0001
%RSD	76.48	134.4	.3423	26.51	.4979	5.766	76.00	3.075	3.193
#1	.0003	-.0010	3810	.0008	1254	.0023	.0011	.0055	.0016
#2	.0026	.0038	3785	.0007	1265	.0025	.0027	.0057	.0017
#3	.0016	.0031	3805	.0005	1253	.0023	.0006	.0058	.0017

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1756.9	4452.1	32363.	4342.2
Stddev	2.3	2.4	38.	13.2
%RSD	.13134	.05425	.11738	.30397
#1	1758.2	4451.5	32321.	4327.1
#2	1754.2	4454.7	32376.	4348.0
#3	1758.2	4450.0	32394.	4351.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

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Zoom In
Zoom Out

Sample Name: MP33406-SD1 Acquired: 3/2/2018 13:45:24 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.002	.1591	-0.004	.0121	-0.000	81.30	.0001	-0.003	-0.006
Stddev	.0002	.0398	.0018	.0007	.000	.21	.0003	.0003	.0006
%RSD	79.06	25.02	433.0	5.429	2205.	.2606	282.9	112.8	107.5

#1	-0.003	.1636	-0.014	.0116	-0.001	81.08	-0.002	-0.005	.0001
#2	.0000	.1173	-0.016	.0128	.0002	81.33	.0000	-0.004	-0.008
#3	-0.003	.1965	.0017	.0118	-0.002	81.50	.0005	.0001	-0.010

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.004	.0241	6.439	6.988	.0015	.0032	9.183	-0.006	-0.028
Stddev	.0017	.0173	.066	.055	.0002	.0003	.090	.0013	.0020
%RSD	435.1	72.00	1.029	.7894	10.59	8.553	.9776	217.0	72.97

#1	.0007	.0124	6.414	7.047	.0017	.0035	9.094	-0.006	-0.012
#2	.0005	.0440	6.388	6.938	.0014	.0029	9.181	-0.020	-0.051
#3	-0.024	.0158	6.514	6.979	.0014	.0033	9.274	.0007	-0.021

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	
Avg	.0034	.0052	.3661	.0020	.1205	.0045	.0066	.0058	.0370
Stddev	.0046	.0033	.0006	.0013	.0018	.0007	.0032	.0004	.0002
%RSD	134.3	64.68	.1754	63.86	1.517	15.86	48.76	7.310	5.434

#1	-0.009	.0085	.3653	.0006	.1190	.0052	.0030	.0057	.0370
#2	.0082	.0052	.3663	.0031	.1199	.0047	.0091	.0053	.0372
#3	.0028	.0018	.3665	.0024	.1225	.0038	.0076	.0062	.0368

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1822.2	4586.2	3345.7	4367.9
Stddev	4.6	8.3	84.	35.7
%RSD	25284	18185	25001	81747

#1	1818.4	4579.4	3341.9	4356.5
#2	1820.8	4583.8	3340.0	4407.9
#3	1827.3	4595.5	3355.3	4339.3

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Zoom In
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Sample Name: CCV Acquired: 3/2/2018 13:49:53 Type: QC
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2474	39.32	1.967	2.022	2.024	40.16	1.979	1.995	1.979
Stddev	.0005	.06	.009	.004	.001	.08	.007	.004	.001
%RSD	.2019	.1590	.4492	.1785	.0702	.1904	.3653	.1915	.0272

#1	2476	39.31	1.976	2.025	2.024	40.12	1.987	1.998	1.979
#2	2468	39.39	1.966	2.023	2.025	40.25	1.978	1.996	1.980
#3	2478	39.27	1.959	2.018	2.022	40.11	1.972	1.990	1.979

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.000	39.77	40.41	39.30	1.995	1.992	40.03	1.998	1.956
Stddev	.006	.06	.10	.10	.004	.003	.07	.002	.003
%RSD	2802	.1429	.2496	.2599	.2101	.1315	.1662	.0910	.1451

#1	2.003	39.84	40.34	39.18	1.997	1.993	40.06	1.998	1.959
#2	2.004	39.73	40.53	39.33	1.998	1.993	40.09	2.000	1.953
#3	1.994	39.75	40.37	39.38	1.990	1.989	39.96	1.996	1.956

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.982	1.969	1.971	2.022	2.049	1.993	1.960	2.015	1.991
Stddev	.008	.006	.005	.003	.005	.004	.007	.002	.003
%RSD	4.225	.3287	.2631	.1261	.2549	.1996	.3631	.0926	.1465

#1	1.988	1.975	1.976	2.021	2.049	1.995	1.969	2.015	1.993
#2	1.985	1.969	1.970	2.025	2.053	1.996	1.957	2.017	1.992
#3	1.972	1.963	1.966	2.020	2.043	1.989	1.956	2.013	1.988

Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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Zoom In
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Sample Name: CCV Acquired: 3/2/2018 13:49:53 Type: QC
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1654.9	4393.8	31926.	4281.4
Stddev	4.0	13.5	117.	36.0
%RSD	24212	30714	36686	84012

#1	1655.6	4391.4	31859.	4316.8
#2	1650.5	4381.7	31858.	4244.9
#3	1658.5	4408.3	32062.	4282.6

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Zoom In
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Sample Name: CCB Acquired: 3/2/2018 13:54:05 Type: QC
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0153	-0.002	.0001	.0001	.0030	.0001	.0001	.0001
Stddev	.0002	.0069	.0005	.0002	.0001	.0020	.0000	.0001	.0001
%RSD	38.15	45.17	334.8	283.4	95.23	67.34	16.57	141.0	116.4

#1	.0003	.0087	-0.004	.0002	.0000	.0039	.0001	.0001	.0000
#2	.0006	.0148	.0005	-0.001	.0002	.0044	.0001	.0000	.0001
#3	.0007	.0225	-0.005	.0001	.0002	.0007	.0001	.0001	.0003

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0077	.0515	-0.014	.0001	F .0013	.0120	.0000	.0007
Stddev	.0001	.0017	.0199	.0244	.0001	.0004	.0065	.000	.0005
%RSD	64.70	22.63	38.65	1684.	116.8	33.27	53.97	38030.	78.89

#1	-0.003	.0076	.0729	-0.003	.0000	.0018	.0164	.0002	.0002
#2	-0.001	.0095	.0481	.0223	.0001	.0012	.0150	-0.001	.0005
#3	-0.003	.0060	.0336	-0.263	.0000	.0010	.0046	-0.001	.0013

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-.0010			

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.006	.0003	.0005	.0006	.0001	.0008	.0005	-0.002	.0001
Stddev	.0002	.0013	.0002	.0003	.0002	.0001	.0003	.0001	.0000
%RSD	37.88	390.4	44.66	45.49	297.0	7.889	50.30	57.60	15.99

#1	-0.006	-0.007	.0007	.0008	-0.001	.0008	.0006	-0.003	.0001
#2	-0.004	.0000	.0003	.0006	.0003	.0007	.0007	-0.003	.0002
#3	-0.009	.0018	.0004	.0003	.0003	.0007	.0002	-0.001	.0001

Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: CCB Acquired: 3/2/2018 13:54:05 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1830.0	4634.6	3345.7	4258.8
Stddev	4.0	8.4	11.0	13.5
%RSD	.21757	.18110	.32754	.31648
#1	1832.0	4644.2	3344.8	4244.0
#2	1825.5	4628.3	3357.0	4262.1
#3	1832.6	4631.5	3335.2	4270.4

Sample Name: MP33406-PS1 Acquired: 3/2/2018 13:58:35 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.483	2.476	0.990	2.609	0.492	86.55	0.468	0.476	0.475
Stddev	.0008	.033	.0009	.0013	.0003	.40	.0001	.0003	.0001
%RSD	1.685	1.324	.9384	.5129	.5336	.4665	.2729	.5260	.1739
#1	.0474	2.472	.0994	2.593	.0489	86.11	0.470	0.478	0.475
#2	.0486	2.446	.0980	2.615	.0491	86.66	0.468	0.477	0.475
#3	.0489	2.511	.0997	2.618	.0495	86.89	0.467	0.474	0.474
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.992	2.848	16.17	11.62	0.500	0.946	18.75	0.988	0.435
Stddev	.0006	.007	.03	.03	.0001	.0002	.07	.0003	.0006
%RSD	.5589	.2399	.2158	.2305	.1629	.2445	.3792	.2956	1.468
#1	.0986	2.855	16.16	11.59	.0500	.0948	18.68	.0989	.0438
#2	.0997	2.850	16.14	11.62	.0499	.0945	18.75	.0989	.0439
#3	.0993	2.841	16.21	11.65	.0500	.0944	18.82	.0984	.0427
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.941	0.924	3.928	0.475	1.721	1.003	0.897	0.525	2.462
Stddev	.0014	.0021	.0017	.0002	.0006	.0001	.0001	.0001	.0006
%RSD	1.496	2.255	.4356	.3867	.3274	.0761	.1032	.1607	2.242
#1	.0948	.0933	3.939	.0473	.1715	.1004	.0896	.0524	2.464
#2	.0925	.0900	3.935	.0474	.1722	.1003	.0898	.0525	2.466
#3	.0950	.0939	3.908	.0477	.1726	.1002	.0896	.0526	2.456
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1719.9	4417.0	3196.7	4272.0					
Stddev	4.0	5.9	7.8	38.6					
%RSD	.23051	.13271	.24249	.90342					
#1	1722.4	4410.3	3198.5	4309.4					
#2	1721.8	4421.1	3203.4	4274.3					
#3	1715.3	4419.6	3188.2	4232.3					

7.3
7

Sample Name: MP33406-S1 Acquired: 3/2/2018 14:02:54 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.507	26.73	1.957	2.070	0.518	102.9	0.492	4.943	2.006
Stddev	.0006	.27	.006	.016	.0003	.7	.0001	.0003	.0012
%RSD	1.113	.9976	.2872	.7587	.5044	.6540	.1220	.0562	.5835
#1	.0503	26.81	1.953	2.072	.0517	103.0	.0492	4.946	2.008
#2	.0503	26.94	1.955	2.085	.0521	103.5	.0491	4.941	1.993
#3	.0513	26.43	1.964	2.054	.0517	102.1	.0492	4.942	2.016
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.582	25.62	31.42	30.61	5.045	4.870	33.68	5.149	4.782
Stddev	.0001	.21	.26	.22	.0008	.0005	.19	.0003	.0006
%RSD	.0229	.8048	.8140	.7207	.1596	.0971	.5687	.0586	.1233
#1	2.583	25.72	31.34	30.63	5.053	4.875	33.72	5.146	4.787
#2	2.583	25.77	31.70	30.82	5.038	4.868	33.85	5.147	4.776
#3	2.582	25.39	31.20	30.38	5.043	4.866	33.47	5.152	4.783
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	4.970	1.952	7.449	5.100	6.458	5.147	1.895	4.891	4.870
Stddev	.0025	.006	.0022	.0013	.0044	.0009	.006	.0008	.0009
%RSD	.5030	.3158	.2992	.2581	.6808	.1734	.3410	.1625	.1940
#1	4.942	1.957	7.455	5.110	6.464	5.158	1.887	4.888	4.881
#2	4.979	1.945	7.425	5.085	6.498	5.142	1.896	4.886	4.865
#3	4.990	1.952	7.468	5.104	6.411	5.142	1.900	4.900	4.864
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1677.6	4400.0	3180.4	4313.9					
Stddev	2.5	3.0	18.24	24.0					
%RSD	.15198	.06752	.05689	.55566					
#1	1676.2	4397.2	3181.0	4324.9					
#2	1675.9	4403.1	3178.3	4286.4					
#3	1680.5	4399.8	3181.8	4330.4					

Sample Name: MP33406-S2 Acquired: 3/2/2018 14:07:07 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.520	26.85	1.980	2.087	0.527	104.9	0.497	4.972	2.008
Stddev	.0004	.06	.003	.006	.0003	.3	.0000	.0002	.0007
%RSD	.8254	.2244	.1551	.2720	.5749	.2398	.0657	.0494	.3359
#1	.0522	26.92	1.980	2.093	.0524	104.8	.0496	4.974	2.007
#2	.0523	26.81	1.976	2.086	.0530	105.2	.0497	4.969	2.016
#3	.0515	26.82	1.982	2.081	.0528	104.7	.0497	4.973	2.002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.592	25.75	31.85	30.84	5.096	4.903	34.36	5.179	4.854
Stddev	.0003	.08	.06	.09	.0008	.0011	.08	.0008	.0006
%RSD	.1220	.3254	.1812	.2906	.1527	.2221	.2395	.1528	.1191
#1	2.594	25.79	31.79	30.74	5.101	4.895	34.46	5.188	4.860
#2	2.594	25.65	31.86	30.91	5.100	4.899	34.32	5.173	4.849
#3	2.588	25.80	31.91	30.88	5.087	4.916	34.31	5.177	4.852
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.019	1.963	7.597	5.137	6.467	5.201	1.923	4.956	4.900
Stddev	.0022	.003	.0002	.0006	.0015	.0005	.003	.0013	.0006
%RSD	.4317	.1666	.0326	.1169	.2375	.1005	.1564	.2625	.1150
#1	5.041	1.964	7.599	5.132	6.476	5.199	1.920	4.962	4.902
#2	5.018	1.959	7.594	5.135	6.475	5.207	1.923	4.965	4.894
#3	4.998	1.966	7.597	5.144	6.449	5.197	1.926	4.941	4.905
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1679.4	4415.2	3187.9	4304.6					
Stddev	3.1	6.5	11.0	17.9					
%RSD	.18648	.14710	.34380	.41668					
#1	1682.0	4422.3	3178.6	4306.1					
#2	1680.2	4413.8	3185.1	4286.0					
#3	1675.9	4409.6	3200.0	4321.8					

Sample Name: FA52105-1F Acquired: 3/2/2018 14:11:20 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	0.000	0.250	-0.003	0.118	-0.000	81.29	0.000	-0.002	-0.001
Stddev	0.002	0.020	0.004	0.001	0.001	55	0.000	0.001	0.005
%RSD	20990	7.989	128.1	7.903	161.9	6.787	135.0	37.77	522.5

#1	0.002	0.234	0.001	0.119	0.001	81.70	0.000	-0.002	0.000
#2	-0.002	0.272	-0.004	0.117	0.000	80.66	0.000	-0.002	0.003
#3	0.000	0.242	-0.007	0.118	0.001	81.51	0.001	-0.001	-0.006

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.003	0.070	6.369	6.917	0.005	0.046	9.209	0.002	-0.005
Stddev	0.004	0.024	0.10	0.38	0.000	0.002	0.72	0.003	0.003
%RSD	150.2	35.07	1.548	5.475	6.722	4.639	7.812	115.7	62.94

#1	-0.001	0.088	6.371	6.955	0.005	0.045	9.249	0.003	-0.008
#2	-0.008	0.079	6.358	6.916	0.005	0.045	9.126	-0.001	-0.002
#3	0.000	0.042	6.378	6.879	0.006	0.049	9.251	0.004	-0.007

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	
Avg	0.011	0.014	3.276	0.008	0.121	0.010	0.007	0.055	0.015
Stddev	0.011	0.017	0.018	0.002	0.004	0.000	0.010	0.001	0.001
%RSD	95.38	124.9	5.599	23.57	3.663	2.980	147.4	2.439	8.647

#1	0.008	0.028	3.272	0.008	0.121	0.010	0.009	0.053	0.015
#2	0.024	0.019	3.259	0.006	0.128	0.010	0.015	0.056	0.017
#3	0.002	-0.006	3.295	0.010	0.121	0.009	-0.004	0.055	0.014

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1765.0	4494.9	32575.	4330.3
Stddev	3.7	11.4	96.	41.2
%RSD	2.1236	2.5393	29419	9.5061

#1	1761.4	4505.9	32562.	4290.9
#2	1764.6	4495.6	32487.	4373.0
#3	1768.9	4483.2	32677.	4326.9

Sample Name: MP33406-D2 Acquired: 3/2/2018 14:15:49 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.001	0.292	-0.003	0.115	0.000	82.67	0.000	-0.001	0.001
Stddev	0.003	0.136	0.006	0.003	0.001	0.04	0.000	0.001	0.002
%RSD	237.7	46.59	238.6	3.000	1367.	0.487	82.31	117.3	145.0

#1	0.001	0.170	-0.007	0.118	-0.001	82.71	0.000	-0.000	0.002
#2	0.000	0.438	0.005	0.116	0.001	82.63	0.000	-0.001	-0.001
#3	-0.005	0.268	-0.006	0.111	0.000	82.66	0.000	-0.002	0.003

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.005	0.040	6.485	6.940	0.004	0.043	9.351	0.000	-0.000
Stddev	0.002	0.019	0.16	0.22	0.000	0.001	0.23	0.003	0.001
%RSD	40.91	48.02	2.457	3.213	2.366	2.580	2.485	670.0	155.1

#1	-0.003	0.027	6.483	6.965	0.004	0.042	9.332	0.000	-0.003
#2	-0.005	0.062	6.471	6.921	0.004	0.043	9.343	-0.002	-0.005
#3	-0.007	0.032	6.502	6.934	0.004	0.044	9.377	0.003	0.007

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	
Avg	0.004	0.006	3.343	0.005	0.1225	0.009	0.006	0.054	0.014
Stddev	0.011	0.034	0.005	0.001	0.004	0.001	0.015	0.002	0.000
%RSD	256.9	577.7	1.470	13.27	3.038	15.55	267.4	3.869	3.204

#1	0.016	-0.003	3.338	0.004	0.1227	0.009	0.016	0.055	0.014
#2	0.002	0.043	3.347	0.005	0.1227	0.011	0.012	0.056	0.014
#3	-0.005	-0.023	3.345	0.005	0.1221	0.008	-0.012	0.052	0.014

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1760.0	4484.1	32471.	4348.2
Stddev	3.9	7.0	30.	16.2
%RSD	2.2090	1.5572	0.9263	3.7238

#1	1755.8	4485.2	32502.	4363.1
#2	1763.5	4476.6	32470.	4350.6
#3	1760.7	4490.5	32442.	4331.0

Sample Name: MP33406-SD2 Acquired: 3/2/2018 14:20:18 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	0.009	1.085	0.001	0.121	-0.002	87.68	-0.001	-0.005	-0.002
Stddev	0.005	0.076	0.003	0.005	0.002	27	0.002	0.008	0.018
%RSD	51.15	70.07	429.1	4.343	99.72	30.28	225.1	168.4	103.1

#1	0.013	0.342	-0.002	0.118	0.000	87.54	0.001	-0.012	0.019
#2	0.004	1.861	0.000	0.127	-0.005	87.51	-0.001	0.004	-0.008
#3	0.009	1.053	0.004	0.118	-0.002	87.98	-0.003	-0.006	-0.016

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.013	0.798	6.897	7.582	0.009	0.028	9.827	0.003	0.015
Stddev	0.007	0.131	0.299	0.85	0.001	0.001	0.43	0.014	0.043
%RSD	51.29	16.42	4.339	1.114	7.205	3.263	4.427	539.2	283.5

#1	-0.020	0.758	7.029	7.491	0.009	0.028	9.831	0.016	0.065
#2	-0.007	0.944	7.107	7.597	0.008	0.028	9.781	-0.012	-0.003
#3	-0.012	0.691	6.554	7.657	0.008	0.029	9.868	0.003	-0.016

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	
Avg	-0.013	0.088	3.417	0.031	0.1285	0.030	0.079	0.057	0.040
Stddev	0.040	0.054	0.036	0.011	0.012	0.001	0.014	0.010	0.003
%RSD	299.7	61.10	1.043	36.16	9.274	2.313	18.23	18.07	4.464

#1	0.016	0.129	3.377	0.043	0.1298	0.029	0.066	0.046	0.637
#2	-0.059	0.106	3.427	0.026	0.1275	0.029	0.076	0.067	0.641
#3	0.003	0.027	3.446	0.023	0.1281	0.030	0.094	0.057	0.643

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1826.7	4615.0	33471.	4390.3
Stddev	6.5	14.3	106.	36.1
%RSD	3.5637	3.0965	3.1679	8.2266

#1	1832.7	4631.3	33426.	4396.3
#2	1827.5	4609.1	33592.	4423.1
#3	1819.7	4604.7	33395.	4351.6

Sample Name: MP33406-PS2 Acquired: 3/2/2018 14:24:49 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	0.0483	2.358	0.968	2.553	0.481	84.11	0.461	0.468	0.466
Stddev	0.								

Sample Name: MP33406-S3 Acquired: 3/2/2018 14:29:09 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0509	26.92	1.951	2.082	0.519	104.8	0.492	4955	1991
Stddev	.0003	.10	.002	.005	.0001	.7	.0002	.0010	.0004
%RSD	.5198	.3681	.0767	.2201	.2226	.6827	.3562	.1948	.1990
#1	.0507	26.81	1.949	2.080	.0518	104.1	.0492	4966	1989
#2	.0512	26.96	1.952	2.088	.0520	105.5	.0490	4947	1988
#3	.0510	27.00	1.951	2.079	.0520	104.9	.0493	4952	1995
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2580	25.76	31.91	31.13	5014	4875	34.08	5170	4775
Stddev	.0019	.17	.13	.26	.0010	.0009	.06	.0016	.0032
%RSD	.7234	.6714	.4078	.8494	.2010	.1805	.1888	.3095	.6741
#1	.2567	25.56	31.78	30.87	.5005	4884	34.05	5189	4744
#2	.2572	25.85	32.04	31.40	.5025	4866	34.16	5158	4773
#3	.2601	25.87	31.93	31.11	.5012	4876	34.04	5164	4808
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	4955	1.942	7.008	5.116	6.492	5.113	1.898	4860	4874
Stddev	.0010	.003	.0015	.0010	.0022	.0021	.008	.0015	.0011
%RSD	.2114	.1358	.2130	.2051	.3387	.4025	.4282	.3139	.2258
#1	4.961	1.944	.7019	.5126	.6471	.5091	1.891	4.846	4.880
#2	4.960	1.939	.7014	.5116	.6515	.5132	1.895	4.876	4.862
#3	4.942	1.942	.6991	.5105	.6490	.5117	1.907	4.857	4.881
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1673.0	4402.5	3171.9	4229.5					
Stddev	2.4	12.4	63.	30.3					
%RSD	.14250	.28239	.19825	.71692					
#1	1675.0	4389.4	31780.	4262.1					
#2	1670.4	4403.8	31721.	4202.1					
#3	1673.5	4414.2	31655.	4224.3					

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Sample Name: MP33406-S4 Acquired: 3/2/2018 14:33:23 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0510	26.72	1.951	2.070	0.517	104.3	0.489	4920	1990
Stddev	.0008	.06	.003	.005	.0001	.0	.0001	.0006	.0009
%RSD	1.602	.2398	.1611	.2450	.2464	.0399	.2071	.1174	.4765
#1	.0517	26.69	1.949	2.069	.0518	104.3	.0490	4914	2001
#2	.0501	26.79	1.948	2.065	.0516	104.2	.0488	4921	1986
#3	.0512	26.67	1.954	2.075	.0517	104.3	.0489	4925	1983
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2575	25.56	31.71	30.80	4991	4846	33.79	5144	4739
Stddev	.0013	.04	.08	.09	.0009	.0012	.10	.0005	.0031
%RSD	4.963	.1417	.2570	.2932	.1759	.2484	.2965	.1060	.6487
#1	2.587	25.57	31.78	30.79	.4998	.4839	33.90	.5150	.4764
#2	2.562	25.59	31.62	30.89	.4981	.4838	33.70	.5140	.4748
#3	2.577	25.52	31.73	30.71	.4994	.4859	33.78	.5141	.4705
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)
Avg	4950	1.941	6.996	5.063	6.472	5.097	1.885	4844	4837
Stddev	.0029	.007	.0013	.0009	.0008	.0014	.006	.0008	.0005
%RSD	.0797	.3857	.1875	.1871	.1296	.2719	.3312	.1732	.1111
#1	4.946	1.934	.6983	.5074	.6479	.5108	1.890	4.854	4.843
#2	4.924	1.940	.6998	.5057	.6463	.5082	1.888	4.838	4.838
#3	4.981	1.949	.7009	.5059	.6473	.5103	1.878	4.840	4.832
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1681.1	4417.0	3195.5	4301.5					
Stddev	4.0	9.0	74.	6.7					
%RSD	.23547	.20451	.23226	.15506					
#1	1677.8	4421.6	3195.2	4297.8					
#2	1680.0	4422.9	3188.3	4297.5					
#3	1685.5	4406.6	3203.2	4309.2					

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7.3
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Sample Name: FA52105-2 Acquired: 3/2/2018 14:37:36 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0000	0.0779	0.003	0.0225	0.000	149.6	0.000	0.000	-0.002
Stddev	.000	.0088	.0003	.0002	.000	.3	.0001	.0001	.0001
%RSD	2533.	11.29	109.6	.7701	797.1	.1973	537.8	426.0	49.99
#1	.0000	.0690	.0000	.0225	.0000	149.2	.0000	.0000	-0.003
#2	-0.0003	.0866	.0002	.0227	.0000	149.8	-0.0001	.0001	-0.002
#3	.0002	.0780	.0006	.0223	-0.0001	149.6	.0001	-0.0001	-0.001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.001	4.558	5.841	12.04	0.068	0.046	21.41	0.001	-0.015
Stddev	.0002	.0023	.006	.00	.0001	.0001	.03	.0001	.0003
%RSD	328.7	.4987	1.170	.0279	1.097	3.076	.1590	67.83	17.47
#1	.0002	4.561	5.569	12.04	.0069	.0047	21.45	.0000	-0.018
#2	-0.0002	4.578	5.655	12.05	.0068	.0045	21.41	.0001	-0.014
#3	-0.0002	4.533	5.699	12.04	.0068	.0045	21.38	.0001	-0.013
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0008	0.009	7.002	0.009	26.11	0.014	0.000	0.008	-0.012
Stddev	.0011	.0005	.0012	.0001	.0011	.0002	.0013	.0002	.0000
%RSD	127.2	55.30	.1663	6.373	.4309	13.06	3836.	21.77	2.598
#1	.0020	.0015	.7015	.0010	.2599	.0015	-0.0012	.0007	.0013
#2	.0003	.0006	.6996	.0009	.2622	.0016	-0.0001	.0010	.0012
#3	.0002	.0006	.6995	.0009	.2612	.0012	.0014	.0007	.0012
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1724.6	4420.2	3223.9	4358.2					
Stddev	3.0	4.0	64.	21.4					
%RSD	.17555	.09007	.19991	.49058					
#1	1724.0	4417.8	3221.5	4373.3					
#2	1727.8	4424.8	32190.	4367.5					
#3	1721.9	4418.1	32312.	4333.7					

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Sample Name: CCV Acquired: 3/2/2018 14:42:02 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem Units	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Avg	2.454	39.71	1.957	2.027	2.006	40.11	1.962	1.987	1.985
Stddev	.0002	.04	.006	.001	.003	.06	.005	.003	.005
%RSD	.0871	.1105	.3220	.0269	.1665	.1582	.2495	.1405	.2703
#1	2.454	39.75	1.954	2.026	2.009	40.17	1.959	1.987	1.990
#2	2.452	39.67	1.952	2.027	2.003	40.04	1.958	1.984	1.984
#3	2.456	39.72	1.964	2.027	2.005	40.12	1.967	1.990	1.979
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem Units	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Avg	2.015	39.84	40.29	39.62	1.984	1.988	39.70	1.997	1.940
Stddev	.001	.05	.09	.16	.005	.004	.03	.001	.001
%RSD	.0586	.1353	.2140	.3981	.2567	.2019	.0797	.0330	.0644
#1	2.015	40.00	40.38	39.72	1.987	1.986	39.73	1.998	1.940
#2									

Sample Name: CCV Acquired: 3/2/2018 14:42:02 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1660.2	4418.2	32225.	4315.1
Stddev	1.4	14.1	96.	17.0
%RSD	.08646	.31816	.29818	.39351
#1	1658.5	4422.3	32123.	4318.8
#2	1661.1	4429.7	32239.	4330.0
#3	1660.9	4402.5	32313.	4296.6

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Sample Name: CCB Acquired: 3/2/2018 14:46:14 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0244	.0002	.0003	.0001	.0029	.0001	.0000	-0.001
Stddev	.0002	.0084	.0001	.0002	.0000	.0018	.0000	.0001	.0002
%RSD	96.27	34.68	69.07	81.14	41.26	63.66	39.04	525.7	334.3
#1	.0000	.0161	.0001	.0001	.0001	.0044	.0001	.0001	.0000
#2	-0.001	.0240	.0003	.0002	.0002	.0008	.0001	.0000	.0001
#3	-0.003	.0330	.0002	.0005	.0001	.0034	.0000	-0.001	-0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	.0075	.0297	-0.022	.0000	F .0014	.0137	-0.002	.0000
Stddev	.0001	.0041	.0292	.0216	.0000	.0002	.0078	.0001	.0002
%RSD	53.41	54.16	98.15	988.3	38.72	14.17	56.54	49.21	383.0
#1	-0.001	.0040	.0633	-.0254	.0001	.0013	.0104	-.0002	-.0002
#2	-0.003	.0120	.0101	.0017	.0000	.0015	.0082	-.0002	.0001
#3	-0.002	.0067	.0158	.0172	.0000	.0012	.0226	-.0001	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.0010	-0.009	.0008	.0000	.0006	F .0023	.0000	.0001
Stddev	.0007	.0010	.0003	.0002	.0001	.0001	.0013	.000	.0001
%RSD	76.32	98.53	34.65	27.89	199.8	10.80	53.33	72.56	71.27
#1	.0006	.0008	-.0013	.0005	.0001	.0006	.0038	.0000	.0002
#2	.0004	.0021	-.0007	.0009	-.0001	.0005	.0014	.0000	.0001
#3	.0017	.0001	-.0008	.0008	.0001	.0007	.0019	-.0001	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
 High Limit
 Low Limit

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7.3
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Sample Name: CCB Acquired: 3/2/2018 14:46:14 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1829.0	4637.2	33659.	4349.1
Stddev	3.9	7.8	95.	18.5
%RSD	.21441	.16882	.28271	.42495
#1	1831.4	4636.4	33636.	4332.8
#2	1831.1	4645.4	33764.	4345.3
#3	1824.5	4629.8	33578.	4369.2

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Sample Name: FA52105-3 Acquired: 3/2/2018 14:50:43 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.2127	.0011	.0152	.0000	41.69	.0000	.0000	.0004
Stddev	.0002	.0140	.0002	.0002	.0001	.05	.0001	.000	.0002
%RSD	540.9	6.573	13.92	1.594	295.6	.1211	141.4	851.1	41.14
#1	.0001	.2241	.0010	.0151	.0001	41.75	.0001	-.0001	.0005
#2	-0.002	.1971	.0013	.0155	.0000	41.69	.0000	.0000	.0002
#3	.0002	.2170	.0011	.0150	.0000	41.65	.0000	.0000	.0005

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.002	2.292	2.809	5.417	.0123	.0014	30.99	.0000	.0001
Stddev	.0004	.008	.027	.029	.0001	.0001	.06	.000	.0005
%RSD	279.0	.3304	.9534	.5409	.6329	10.05	.1994	3053.	523.8
#1	.0004	2.284	2.834	5.395	.0124	.0013	31.04	-.0001	.0007
#2	-.0004	2.291	2.811	5.450	.0124	.0013	30.92	-.0001	-.0003
#3	-.0004	2.299	2.781	5.406	.0122	.0015	31.01	.0002	-.0001

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.005	.0013	1.149	.0007	.0463	.0038	.0011	.0010	.0002
Stddev	.0004	.0013	.003	.0003	.0001	.0001	.0007	.0002	.0001
%RSD	70.01	96.84	.2343	36.65	.1121	2.900	64.10	21.20	45.53
#1	-.0005	-.0002	1.151	.0005	.0463	.0037	.0014	.0012	.0001
#2	-.0009	.0022	1.150	.0010	.0464	.0039	.0003	.0011	.0001
#3	-.0002	.0020	1.146	.0007	.0463	.0037	.0016	.0008	.0002

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1776.4	4524.9	32915.	4408.4
Stddev	1.1	8.8	74.	21.8
%RSD	.06244	.19386	.22360	.49354
#1	1775.4	4522.1	32838.	4411.1
#2	1777.6	4517.9	32984.	4385.4
#3	1776.1	4534.8	32924.	4428.7

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Sample Name: FA52105-4 Acquired: 3/2/2018 14:55:11 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	3.120	-0.004	6.501	-0.000	91.84	-0.000	0.043	0.169
Stddev	.0003	0.032	.0003	.0013	.000	.41	.0000	.0001	.0005
%RSD	137.2	1.035	71.15	.1928	20.12	.4478	118.1	2.846	3.251
#1	-0.001	3.145	-0.007	.6507	.0000	92.11	.0000	.0045	.0175
#2	.0005	3.132	-0.005	.6510	.0000	92.06	.0001	.0043	.0164
#3	.0002	3.084	-0.001	.6487	.0000	91.37	.0000	.0043	.0168
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0025	0.543	20.93	1.176	0.007	0.054	21.99	0.032	-0.013
Stddev	.0004	.0012	.15	.0021	.0000	.0002	.06	.0001	.0005
%RSD	14.25	2.291	69.32	1.824	2.098	3.678	28.34	2.472	35.97
#1	.0028	.0542	20.87	.1183	.0007	.0055	22.05	.0032	-0.008
#2	.0021	.0531	21.09	.1152	.0007	.0051	22.00	.0032	-0.014
#3	.0025	.0556	20.81	.1193	.0007	.0055	21.93	.0031	-0.016
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0004	0.023	3.691	0.009	5.463	0.017	-0.004	0.102	0.044
Stddev	.0004	.0008	.011	.0004	.095	.0004	.0005	.0002	.0000
%RSD	115.7	35.16	3.037	39.52	1.739	23.19	133.2	1.971	4.378
#1	.0008	.0023	3.703	.0009	5.373	.0016	-0.004	.0100	.0044
#2	.0003	.0031	3.681	.0005	5.455	.0014	.0001	.0101	.0044
#3	.0000	.0015	3.691	.0012	5.562	.0022	-0.009	.0104	.0044
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1749.5	4485.5	32546.	4377.3					
Stddev	.5	.4	89.	14.5					
%RSD	.02686	.00979	.27484	.33225					
#1	1749.9	4485.0	32590.	4373.9					
#2	1749.6	4485.9	32443.	4364.7					
#3	1749.0	4485.7	32604.	4393.2					

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Sample Name: FA52105-5 Acquired: 3/2/2018 14:59:49 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	0.797	-0.003	0.197	-0.001	28.25	.000	-0.001	0.000
Stddev	.000	.0106	.0007	.0001	.0000	.11	.0001	.0002	.0001
%RSD	3109.	13.32	230.5	.5470	51.37	.3799	724.9	306.6	173.6
#1	.0003	0.715	-0.005	0.198	-0.001	28.14	.0001	-0.000	.0001
#2	-0.001	0.917	.0005	0.197	-0.001	28.28	-0.001	-0.003	.0000
#3	-0.003	0.759	-0.009	0.196	-0.001	28.35	.0000	.0001	.0000
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0004	1.035	4.299	1.897	0.033	-0.001	4.961	0.000	-0.001
Stddev	.0004	.006	.047	.027	.0000	.0001	.024	.0001	.0003
%RSD	96.82	6158	1.084	1.440	.6333	187.2	.4842	914.5	276.9
#1	.0000	1.029	4.291	1.921	.0033	-0.001	4.937	-0.001	.0000
#2	-0.006	1.035	4.350	1.867	.0034	-0.002	4.985	.0001	-0.001
#3	-0.007	1.042	4.258	1.903	.0033	.0001	4.961	.0001	.0004
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0001	0.014	98.23	0.007	0.030	0.020	0.012	0.002	0.001
Stddev	.0005	.0006	.0018	.0001	.0002	.0001	.0002	.0004	.0000
%RSD	396.1	44.99	1.839	16.75	.6532	4.783	17.63	207.6	34.96
#1	-0.002	.0013	98.40	.0008	.0309	.0019	.0012	-0.002	.0001
#2	.0007	.0020	98.04	.0008	.0312	.0021	.0013	.0005	.0001
#3	-0.001	.0008	98.25	.0006	.0309	.0021	.0009	.0002	.0002
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1811.6	4580.2	33315.	4404.7					
Stddev	5.9	15.0	94.	12.2					
%RSD	.32675	.32714	28349	27664					
#1	1813.8	4582.6	33215.	4418.0					
#2	1816.1	4593.8	33402.	4401.8					
#3	1804.9	4564.1	33329.	4394.2					

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7.3
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Sample Name: FA52105-6 Acquired: 3/2/2018 15:04:18 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	1.094	-0.008	0.135	.000	55.86	.000	-0.001	0.003
Stddev	.0003	.0050	.0003	.0002	.0000	.13	.000	.0000	.0003
%RSD	848.6	4.571	34.09	1.467	132.4	2249	159.7	51.57	107.6
#1	.0003	1.125	-0.005	.0135	.0000	55.96	.0000	.0000	.0004
#2	-0.003	1.122	-0.010	.0133	.0000	55.91	-0.001	-0.001	-0.001
#3	.0001	1.037	-0.010	.0137	.0001	55.72	.0000	-0.001	.0005
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0000	0.020	2.468	7.554	0.060	0.011	8.079	0.000	0.003
Stddev	.000	.0035	.058	.013	.0000	.0002	.038	.0001	.0004
%RSD	333.8	17.53	2.347	.1672	.6074	17.51	4683	140.4	139.0
#1	.0000	.0224	2.419	7.561	.0060	.0012	8.122	.0001	-0.001
#2	-0.002	.0161	2.453	7.562	.0059	.0008	8.051	.0000	.0008
#3	.0001	.0221	2.532	7.540	.0059	.0011	8.062	.0000	.0002
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.001	0.019	2.772	0.009	1.239	0.049	0.006	0.023	0.006
Stddev	.0005	.0010	.003	.0004	.0003	.0008	.0009	.0002	.0000
%RSD	310.5	53.95	.0996	44.47	.2495	16.97	149.0	7.245	7.235
#1	-0.002	.0020	2.775	.0006	1.239	.0057	.0005	.0024	.0006
#2	.0003	.0009	2.770	.0007	1.235	.0049	.0015	.0023	.0007
#3	-0.006	.0029	2.771	.0014	1.242	.0040	-0.003	.0021	.0006
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1763.3	4487.7	32553.	4327.9					
Stddev	4.1	.8	66.	17.8					
%RSD	.23383	.01860	.20317	.41028					
#1	1761.3	4486.8	32625.	4335.7					
#2	1760.6	4488.2	32496.	4307.6					
#3	1768.1	4488.3	32536.	4340.5					

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Sample Name: FA52105-2F Acquired: 3/2/2018 15:08:46 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	0.035	-0.017	0.025	.000	146.8	.000	-0.001	0.003
Stddev	.0003	.0122	.0013	.0000	.000	.8	.0000	.0001	.0003
%RSD	984.0	36.37	75.92	.1116	412.0	.5379	492.1	76.49	90.02
#1	.0000	.0476	-0.005	.0225	.0000	145.9	.0000	-0.002	.0006
#2	-0.002	.0261	-0.030	.0225	-0.001	147.4	.0000	-0.000	.0001
#3	.0003	.0269	-0.015	.0225	.0000	147.1	.0000	-0.002	.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.006	0.807	5.511	11.79	0.049	0.042	20.86	0.001	-0.003
Stddev	.0002	.0026	.037	.11	.0001	.0002	.06	.0003	.0006
%RSD	28.29	3.240	.6667	.9544	1.033	4.534	.2723	516.1	229.8
#1	-0.004	0.789	5.472	11.66	.0049	.0041	20.80	-0.003	-0.002
#2	-0.007	0.795	5.544	11.83	.0048	.0041	20.91	.0001	.0003
#3	-0.008	0.837	5.518	11.87	.0049	.0044	20.87	.0003	-0.009
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_29	

Sample Name: FA52105-3F Acquired: 3/2/2018 15:13:16 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.001	0.262	0.011	0.126	0.000	39.70	0.000	-0.001	0.005
Stddev	0.003	0.054	0.003	0.002	0.00	20	0.00	0.001	0.002
%RSD	641.3	20.64	32.10	1.242	2275.	4.989	595.0	59.63	43.15

#1	0.002	0.247	0.007	0.124	0.000	39.93	0.000	-0.002	0.005
#2	0.000	0.322	0.011	0.126	0.000	39.62	0.000	0.000	0.003
#3	-0.004	0.217	0.013	0.127	0.000	39.56	0.000	-0.001	0.007

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.007	1.832	2.647	5.166	0.019	0.010	29.43	-0.001	-0.001
Stddev	0.003	0.12	0.053	0.015	0.000	0.001	11	0.003	0.005
%RSD	43.99	6.343	1.993	2.826	0.684	15.14	37.16	218.5	371.7

#1	-0.009	1.845	2.707	5.161	0.019	0.011	29.52	0.001	-0.001
#2	-0.009	1.829	2.620	5.156	0.019	0.009	29.46	0.000	-0.007
#3	-0.004	1.823	2.613	5.183	0.019	0.009	29.31	-0.004	0.004

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	
Avg	0.008	0.008	9.795	0.008	0.383	0.008	-0.007	0.005	0.009
Stddev	0.007	0.011	0.011	0.002	0.003	0.001	0.009	0.002	0.000
%RSD	87.54	131.5	1.073	27.13	6.807	8.393	117.8	30.08	4.264

#1	0.013	0.018	9.805	0.011	0.386	0.008	0.002	0.005	0.009
#2	0.000	-0.004	9.794	0.007	0.382	0.007	-0.009	0.007	0.009
#3	0.011	0.011	9.784	0.007	0.381	0.008	-0.015	0.004	0.008

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1779.9	4511.0	32656.	4407.4
Stddev	3.6	1.8	68.	24.1
%RSD	20299	0.3954	20912	54567

#1	1783.1	4509.0	32656.	4390.0
#2	1776.0	4512.4	32724.	4397.3
#3	1780.6	4511.6	32588.	4434.8

Sample Name: FA52105-4F Acquired: 3/2/2018 15:17:46 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	-0.001	2.977	0.003	6.212	0.000	87.13	0.000	0.039	0.145
Stddev	0.003	0.28	0.010	0.022	0.00	19	0.000	0.001	0.002
%RSD	315.2	9.528	321.7	3.506	62.75	2.198	56.65	2.886	1.232

#1	0.002	2.953	-0.007	6.210	-0.001	87.13	0.001	0.040	0.145
#2	-0.004	2.969	0.013	6.234	0.000	86.94	0.000	0.038	0.143
#3	0.000	3.008	0.003	6.191	0.000	87.33	0.000	0.040	0.147

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.020	0.165	20.21	0.172	0.001	0.052	21.19	0.026	-0.006
Stddev	0.004	0.026	0.01	0.132	0.000	0.001	0.07	0.001	0.013
%RSD	19.18	15.88	0.379	76.35	22.63	1.275	3.141	4.340	200.3

#1	0.024	0.189	20.21	0.129	0.001	0.051	21.24	0.025	-0.002
#2	0.016	0.137	20.22	0.068	0.001	0.053	21.23	0.027	-0.021
#3	0.020	0.169	20.22	0.320	0.001	0.052	21.12	0.026	0.003

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.014	0.017	3.381	0.008	5.401	0.007	0.001	0.095	0.012
Stddev	0.005	0.005	0.11	0.002	0.88	0.002	0.003	0.001	0.001
%RSD	35.86	30.77	3.197	27.52	1.636	25.19	244.9	9.878	9.984

#1	0.019	0.020	3.369	0.009	5.434	0.008	0.005	0.094	0.012
#2	0.009	0.021	3.384	0.005	5.302	0.007	0.000	0.096	0.011
#3	0.014	0.011	3.389	0.008	5.469	0.005	-0.001	0.095	0.014

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1743.0	4475.2	32465.	4287.0
Stddev	7.0	20.4	34.	27.5
%RSD	40419	4.5536	10505	64132

#1	1751.0	4498.6	32460.	4291.7
#2	1737.9	4462.0	32434.	4311.8
#3	1740.0	4464.9	32502.	4257.4

7.3
7

Sample Name: FA52105-5F Acquired: 3/2/2018 15:22:23 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	0.001	0.287	0.008	0.215	0.000	28.55	0.000	-0.001	0.001
Stddev	0.006	0.151	0.001	0.003	0.00	13	0.000	0.001	0.003
%RSD	470.1	52.48	18.32	1.184	110.2	4719	71.02	171.7	186.8

#1	-0.001	0.347	-0.008	0.217	0.000	28.70	0.000	0.000	-0.001
#2	0.007	0.116	-0.006	0.214	0.000	28.44	0.001	-0.002	0.004
#3	-0.003	0.398	-0.009	0.212	0.000	28.51	0.000	0.000	0.001

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.006	8.855	4.357	1.884	0.034	0.000	4.994	0.002	-0.003
Stddev	0.001	0.030	0.12	0.029	0.001	0.00	0.11	0.002	0.002
%RSD	20.11	3.402	2.686	1.507	2.037	816.8	2.242	119.9	67.43

#1	-0.007	8.818	4.357	1.926	0.035	0.000	5.001	0.000	-0.005
#2	-0.006	8.870	4.345	1.880	0.034	0.000	5.001	0.001	-0.004
#3	-0.005	8.817	4.369	1.875	0.033	0.000	4.981	0.004	-0.001

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.008	-0.003	9.576	0.006	0.389	0.009	0.013	-0.001	0.003
Stddev	0.005	0.008	0.024	0.003	0.004	0.001	0.006	0.000	0.001
%RSD	65.85	298.7	2.518	50.29	1.039	7.235	44.34	38.70	26.46

#1	0.013	-0.006	9.589	0.006	0.384	0.009	0.007	-0.001	0.003
#2	0.003	-0.008	9.548	0.003	0.392	0.009	0.018	-0.001	0.003
#3	0.008	0.006	9.591	0.009	0.391	0.010	0.014	-0.001	0.004

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1794.0	4548.9	33085.	4375.5
Stddev	2.2	7.6	111.	42.8
%RSD	12528	1.6734	33645	97881

#1	1791.7	4540.2	33212.	4326.7
#2	1794.0	4552.2	33038.	4406.8
#3	1796.2	4554.3	33005.	4393.0

Sample Name: FA52105-6F Acquired: 3/2/2018 15:26:54 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	0.000	0.332	-0.004	0.135	0.000	54.51	0.000	-0.001	0.001
Stddev	0.001	0.080	0.005	0.005	0.000	17	0.001	0.001	0.004
%RSD	201.0	23.97	141.6	3.417	70.31	3.156	495.2	59.19	283.9

Sample Name: FA52105-7F Acquired: 3/2/2018 15:31:22 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	.0000	.2162	-0.0005	.0728	.0001	9.054	.0000	.0000	.0001
Stddev	.0003	.0109	.0004	.0002	.0000	.024	.000	.0001	.0001
%RSD	1795.	5.021	92.73	.3352	11.11	.2654	680.5	1169.	65.01

#1	.0003	.2037	-0.0009	.0727	.0001	9.046	.0000	-0.001	.0000
#2	.0001	.2232	-0.0001	.0731	.0001	9.081	.0000	.0001	.0001
#3	-0.0003	.2217	-0.0004	.0727	.0001	9.035	.0000	.0000	.0002

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	-0.0004	.0037	5.639	1.060	.0010	-0.0001	2.273	-0.0001	-0.0002
Stddev	.0002	.0027	.028	.014	.0000	.0002	.006	.0001	.0005
%RSD	44.86	73.28	.4941	1.343	1.191	286.9	258.7	81.76	259.0

#1	-0.0002	.0011	5.655	1.062	.0010	-0.0001	2.279	-0.0001	-0.0007
#2	-0.0003	.0064	5.656	1.073	.0010	-0.0003	2.272	.0000	.0004
#3	-0.0006	.0035	5.607	1.045	.0010	-0.0002	2.268	-0.0002	-0.0003

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0004	.0016	1.125	.0009	.0345	.0004	.0012	.0027	.0013
Stddev	.0008	.0011	.001	.0001	.0003	.0000	.0005	.0001	.0001
%RSD	191.6	67.34	.0573	14.63	.9321	9.780	38.70	4.577	3.855

#1	-0.0005	.0004	1.125	.0009	.0346	.0004	.0007	.0026	.0013
#2	.0008	.0023	1.126	.0007	.0348	.0004	.0015	.0028	.0014
#3	.0009	.0022	1.124	.0010	.0342	.0004	.0013	.0028	.0013

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1815.8	4614.7	33726.	4431.6
Stddev	1.9	6.2	140.	35.7
%RSD	.10218	.13475	.41419	.80463

#1	1817.7	4621.3	33756.	4417.2
#2	1814.0	4609.0	33848.	4405.3
#3	1815.7	4613.8	33573.	4472.2

Sample Name: CCV Acquired: 3/2/2018 15:35:49 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2484	39.62	1.951	2.046	2.027	40.76	1.962	1.995	1.966
Stddev	.0004	.05	.007	.003	.003	.06	.002	.001	.007
%RSD	.1599	.1362	.3532	.1468	.1511	.1435	.1180	.0704	.3617

#1	.2481	39.57	1.952	2.044	2.024	40.71	1.960	1.994	1.958
#2	.2488	39.61	1.943	2.050	2.028	40.82	1.962	1.994	1.967
#3	.2482	39.68	1.957	2.046	2.030	40.75	1.964	1.996	1.972

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.018	39.76	40.98	39.76	1.971	1.994	40.04	2.011	1.943
Stddev	.002	.12	.11	.04	.008	.001	.06	.003	.007
%RSD	.1107	.3002	.2639	.0917	.4192	.0473	.1390	.1505	.3687

#1	2.019	39.62	40.86	39.75	1.962	1.993	40.01	2.008	1.939
#2	2.015	39.83	41.03	39.80	1.978	1.994	40.00	2.013	1.939
#3	2.019	39.83	41.06	39.73	1.974	1.995	40.10	2.013	1.951

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.972	1.968	1.964	2.024	2.077	1.973	1.948	1.993	1.987
Stddev	.004	.004	.004	.006	.003	.006	.009	.006	.004
%RSD	.1960	.1932	.2174	.3104	.1607	.3182	.4714	.3081	.1974

#1	1.971	1.965	1.967	2.017	2.073	1.965	1.942	1.986	1.982
#2	1.969	1.968	1.959	2.030	2.080	1.977	1.943	1.998	1.989
#3	1.976	1.973	1.966	2.024	2.078	1.975	1.958	1.994	1.988

Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

7.3
7

Sample Name: CCV Acquired: 3/2/2018 15:35:49 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1658.2	4427.4	32186.	4266.8
Stddev	2.3	5.9	192.	5.6
%RSD	.13824	.13367	.59642	.13016

#1	1660.6	4423.7	32392.	4273.1
#2	1658.1	4424.3	32013.	4264.8
#3	1656.0	4434.2	32151.	4262.5

Sample Name: CCB Acquired: 3/2/2018 15:40:00 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0109	.0003	.0001	.0001	.0046	.0001	.0000	.0000
Stddev	.0005	.0145	.0012	.0001	.0001	.0046	.0000	.000	.000
%RSD	170.9	133.0	492.4	115.1	54.65	99.97	11.58	293.2	358.7

#1	.0006	.0029	.0011	.0002	.0001	.0058	.0001	.0001	.0001
#2	.0005	.0261	.0006	.0000	.0002	.0084	.0001	.0002	.0002
#3	.0003	.0095	.0013	.0001	.0001	.0005	.0001	.0001	.0001

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0069	.0046	.0098	.0000	F .0013	.0148	.0001	.0005
Stddev	.0000	.0025	.0000	.0175	.0000	.0003	.0095	.0000	.0006
%RSD	17.04	36.35	131.0	179.1	9.830	26.85	63.92	53.92	139.7

#1	.0003	.0084	.0037	.0070	.0000	.0016	.0046	.0001	.0001
#2	.0003	.0082	.0258	.0285	.0000	.0012	.0166	.0001	.0004
#3	.0002	.0040	.0341	.0062	.0000	.0010	.0233	.0000	.0012

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-.0010			

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	.0010	.0003	.0007	.0001	.0007	.0019	.0001	.0002
Stddev	.0003	.0009	.0006	.0004	.0001	.0001	.0015	.0001	.0001
%RSD	31.48	96.27	205.9	53.11	72.76	16.19	77.30	259.7	44.31

#1	.0012	.0003	.0004	.0011	.0003	.0008	.0035	.0000	.0003
#2	.0006	.0006	.0007	.0006	.0001	.0007	.0017	.0001	.0002
#3	.0011	.0020	.0005	.0004	.0000	.0006	.0006	.0002	.0001

Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Sample Name: CCB Acquired: 3/2/2018 15:40:00 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1846.8	4674.2	33870.	4459.4
Stddev	5.4	9.6	51.	18.9
%RSD	.29220	.20451	.15161	.42316
#1	1842.0	4677.9	33925.	4479.1
#2	1845.8	4681.4	33823.	4457.7
#3	1852.6	4663.4	33862.	4441.5

Sample Name: FA52105-8F Acquired: 3/2/2018 15:44:29 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.1296	-.0009	.0784	.0000	17.17	.0001	-.0000	.0001
Stddev	.0003	.0157	.0004	.0009	.0001	.10	.0000	.0000	.0003
%RSD	400.7	12.12	46.64	1.086	195.6	.5627	39.20	784.8	420.2
#1	.0002	.1119	-.0010	.0793	.0001	17.15	.0001	-.0001	.0004
#2	-.0003	.1351	-.0004	.0782	.0000	17.28	.0000	-.0000	.0000
#3	.0003	.1419	-.0012	.0776	.0000	17.09	.0001	-.0002	-.0001

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0005	.0047	3.154	1.604	.0038	.0002	4.395	-.0001	.0002
Stddev	.0001	.0029	.029	.022	.0000	.0001	.015	.0001	.0007
%RSD	24.43	61.85	.9309	1.371	.8196	49.48	.3326	164.7	416.6
#1	-.0006	.0019	3.185	1.627	.0038	.0001	4.379	-.0002	-.0006
#2	-.0006	.0077	3.127	1.583	.0038	.0003	4.407	-.0001	.0009
#3	-.0004	.0046	3.151	1.601	.0038	.0002	4.400	-.0000	.0002

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0012	.0045	1.300	.0006	.0665	.0006	.0015	.0012	.0005
Stddev	.0003	.0007	.003	.0004	.0002	.0001	.0016	.0003	.0000
%RSD	25.18	15.06	.2093	66.75	.2814	11.01	106.3	20.24	7.806
#1	.0015	.0041	1.303	.0001	.0667	.0006	.0019	.0014	.0004
#2	.0010	.0042	1.298	.0007	.0665	.0005	.0028	.0009	.0005
#3	.0010	.0053	1.299	.0009	.0663	.0006	-.0003	.0014	.0005

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1828.1	4605.6	33655.	4472.3
Stddev	5.6	13.6	223.	12.0
%RSD	.30904	.29544	.66387	.26760
#1	1825.4	4600.3	33413.	4475.5
#2	1834.6	4621.0	33853.	4459.1
#3	1824.3	4595.4	33700.	4482.4

7.3
7

Sample Name: FA52105-9F Acquired: 3/2/2018 15:48:59 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	.0316	.0009	.0572	.0001	5.168	.0002	.0022	.0022
Stddev	.0006	.0069	.0005	.0004	.0000	.029	.0001	.0000	.0001
%RSD	292.6	21.80	52.09	.6256	43.85	.5561	28.65	.8104	2.333
#1	.0003	.0315	.0009	.0569	.0001	5.146	.0002	.0022	.0022
#2	-.0004	.0386	.0004	.0569	.0000	5.158	.0002	.0022	.0022
#3	.0007	.0248	.0013	.0576	.0001	5.201	.0003	.0022	.0023

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0002	.0100	26.76	2.087	.0023	.0005	26.57	.0005	.0000
Stddev	.0002	.0007	.08	.021	.0000	.0000	.06	.0001	.000
%RSD	111.3	6.639	.2904	1.004	1.183	6.578	2.205	21.04	3713.
#1	.0002	.0093	26.78	2.065	.0023	.0005	26.53	.0005	.0000
#2	.0003	.0101	26.68	2.090	.0023	.0004	26.54	.0004	.0003
#3	.0000	.0105	26.83	2.107	.0023	.0004	26.64	.0005	-.0003

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0010	.0016	2.454	.0009	.3725	.0003	.0005	.0008	.0011
Stddev	.0003	.0011	.004	.0002	.0018	.0000	.0006	.0001	.0000
%RSD	25.34	71.01	.1749	23.50	.4764	16.87	127.2	16.84	.7313
#1	.0009	.0022	2.458	.0011	.3716	.0003	-.0001	.0007	.0011
#2	.0009	.0022	2.449	.0009	.3714	.0003	.0003	.0008	.0011
#3	.0013	.0003	2.456	.0007	.3746	.0003	.0011	.0009	.0011

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1797.6	4572.5	33064.	4357.3
Stddev	6.6	2.4	29.	5.1
%RSD	.36569	.05339	.08890	.11683
#1	1803.4	4575.4	33059.	4361.8
#2	1790.5	4571.3	33037.	4351.8
#3	1798.8	4570.9	33095.	4358.2

Sample Name: FA52105-10F Acquired: 3/2/2018 15:53:30 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.1353	-.0007	.0148	.0001	3.718	.0000	-.0001	.0003
Stddev	.0005	.0156	.0003	.0001	.0000	.028	.0000	.0000	.0003
%RSD	553.4	11.53	51.57	.7632	31.10	.7417	18.58	27.61	103.5
#1	.0007	.1476	-.0010	.0147	.0001	3.699	.0000	-.0001	.0001
#2	-.0003	.1406	-.0003	.0148	.0002	3.704	.0000	-.0001	.0006
#3	-.0001	.1177	-.0007	.0149	.0001	3.749	.0000	-.0002	.0001

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0010	.3640	.8801	.7034	.0077	.0001	5.262	.0000	-.0002
Stddev	.0002	.0075	.0345	.0349	.0000	.0002	.005	.0001	.0003
%RSD	20.06	2.074	3.921	4.962	.4575	373.3	.0996	324.9	161.3
#1	.0009	.3695	.8822	.6647	.0078	.0000	5.260	.0002	-.0004
#2	.0008	.3554	.9135	.7326	.0077	-.0001	5.267	.0000	-.0005
#3	.0012	.3671	.8445	.7128	.0077	.0003	5.257	.0000	.0002

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0010	.0020	3.127	.0007	.0122	.0003	.0001	.0003	.0036
Stddev	.0004	.0007	.006	.0002	.0002	.0003	.0012	.0001	.0000
%RSD	42.22	33.52	.1954	31.74	1.386	101.1	1557.	35.90	1.118
#1	.0005	.0017	3.120	.0009	.0121	.0000	.0005	.0004	.0036
#2	.0013	.0016	3.130	.0004	.0121	.0005	.0010	.0004	.0036
#3	.0013	.0028	3.131	.0007	.0124	.0002	-.0012	.0002	.0035

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1829.6	4635.7	33755.	4389.0
Stddev	7.2	8.8	166.	23.7
%RSD	.39380	.18944	.49247	.54026
#1	1828.1	4632.6	33659.	4398.5
#2	1823.3	4628.8	33659.	4406.5
#3	1837.5	4645.6	33947.	4362.0

Zoom In
Zoom Out

Sample Name: FA52105-11F Acquired: 3/2/2018 15:57:58 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.001	1.587	0.006	0.015	0.000	35.58	0.000	-0.001	0.003
Stddev	.0005	.0042	.0006	.0001	.000	.16	.0001	.0001	.0001
%RSD	582.3	2.627	106.4	.9849	100.8	.4416	197.5	58.92	33.32

#1	0.002	1.542	0.013	0.016	0.000	35.74	0.000	-0.001	0.004
#2	-0.004	1.624	0.005	0.014	0.000	35.56	0.000	-0.001	0.003
#3	0.005	1.595	0.000	0.014	0.000	35.43	0.001	-0.001	0.002

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.004	2.141	6.056	2.082	0.483	0.002	2.321	0.000	-0.001
Stddev	.0002	.0043	.0588	.025	.0002	.0001	.005	.0002	.0005
%RSD	40.12	2.019	9.701	1.193	40.42	34.63	2.173	648.3	393.9

#1	-0.004	2.183	5.379	2.098	0.485	0.002	2.325	0.000	-0.001
#2	-0.003	2.097	6.357	2.095	0.484	0.002	2.324	0.002	-0.006
#3	-0.006	2.143	6.433	2.054	0.481	0.001	2.315	-0.001	0.004

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.011	0.010	6.895	0.008	0.484	0.029	0.004	0.000	0.023
Stddev	.0010	.0008	.0032	.0004	.0001	.0001	.0008	.0001	.0001
%RSD	89.22	75.82	4.570	50.13	1.587	2.975	200.3	207.2	2.842

#1	0.006	0.011	6.919	0.007	0.484	0.030	0.013	0.000	0.022
#2	0.004	0.018	6.907	0.012	0.485	0.029	-0.004	0.000	0.022
#3	0.022	0.002	6.860	0.004	0.484	0.029	0.004	0.001	0.023

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1812.1	4585.5	3344.8	4383.6
Stddev	.1	4.5	78.	26.6
%RSD	.00381	.09727	23320	60718

#1	1812.1	4580.9	33388.	4365.1
#2	1812.1	4585.8	33420.	4371.5
#3	1812.2	4589.8	33536.	4414.1

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Zoom In
Zoom Out

Sample Name: FA52105-12F Acquired: 3/2/2018 16:02:28 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.001	1.357	-0.009	0.767	0.001	13.50	0.000	-0.002	0.000
Stddev	.0004	.0137	.0005	.0003	.0001	.07	.000	.0000	.0002
%RSD	643.5	10.12	50.90	4.349	148.0	5034	442.9	18.36	123.9

#1	-0.002	1.258	-0.007	0.764	0.001	13.54	-0.001	-0.002	-0.001
#2	-0.004	1.298	-0.014	0.765	0.001	13.42	0.000	-0.001	0.000
#3	0.004	1.513	-0.006	0.770	0.000	13.52	0.000	-0.002	0.002

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.000	1.056	3.623	3.070	0.037	0.001	9.156	-0.001	-0.002
Stddev	.000	.005	.055	.036	.0000	.0001	.040	.0002	.0010
%RSD	195.8	5.232	1.510	1.168	.3918	160.0	4.326	171.0	602.5

#1	0.001	1.055	3.569	3.085	0.037	0.000	9.123	0.000	-0.013
#2	0.003	1.052	3.678	3.097	0.037	0.002	9.145	0.000	0.003
#3	-0.004	1.063	3.623	3.030	0.037	0.001	9.200	-0.003	0.005

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.013	0.029	1.582	0.006	0.492	0.005	0.006	0.014	0.033
Stddev	.0002	.0005	.005	.0003	.0003	.0000	.0003	.0003	.0001
%RSD	17.39	18.95	3.507	43.60	5.165	9.345	47.94	17.30	1.610

#1	0.012	0.027	1.581	0.005	0.489	0.005	0.003	0.015	0.034
#2	0.011	0.025	1.577	0.004	0.494	0.005	0.005	0.016	0.033
#3	0.016	0.035	1.588	0.010	0.494	0.005	0.008	0.011	0.033

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1817.8	4590.9	3354.0	4454.2
Stddev	.6	9.5	163.	11.2
%RSD	.03514	.20742	48588	25216

#1	1818.1	4595.9	33655.	4444.6
#2	1818.2	4596.9	33354.	4466.5
#3	1817.0	4579.9	33613.	4451.5

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Zoom In
Zoom Out

Sample Name: FA52105-13F Acquired: 3/2/2018 16:06:56 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.003	0.0257	-0.010	0.0719	0.001	7.489	0.000	0.009	0.063
Stddev	.0001	.0065	.0007	.0002	.0000	.039	.0000	.0001	.0002
%RSD	35.95	25.24	71.70	3.403	64.37	5.189	624.2	8.208	3.343

#1	-0.004	0.020	-0.003	0.0716	0.001	7.445	0.000	0.010	0.063
#2	-0.005	0.020	-0.010	0.0721	0.001	7.518	0.000	0.008	0.061
#3	-0.002	0.032	-0.017	0.0719	0.000	7.504	0.000	0.009	0.065

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.001	0.044	10.61	4.208	0.001	0.003	14.66	0.001	-0.010
Stddev	.0001	.0038	.05	.0112	.0000	.0000	.06	.0002	.0003
%RSD	131.9	85.84	4.984	2.652	23.56	14.20	4.095	352.9	28.83

#1	-0.001	0.088	10.55	4.079	0.001	0.004	14.67	0.003	-0.013
#2	0.000	0.019	10.65	4.276	0.000	0.003	14.72	-0.001	-0.007
#3	-0.001	0.026	10.62	4.269	0.001	0.003	14.60	0.000	-0.011

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.011	0.016	1.093	0.008	1.422	0.002	0.004	0.005	0.003
Stddev	.0006	.0003	.002	.0002	.0007	.0001	.0010	.0001	.0001
%RSD	53.59	18.09	1.349	29.07	5.129	55.93	273.8	10.15	25.45

#1	0.016	0.017	1.092	0.011	1.419	0.001	0.010	0.005	0.002
#2	0.005	0.019	1.093	0.008	1.431	0.002	0.010	0.006	0.003
#3	0.011	0.013	1.095	0.006	1.417	0.003	-0.008	0.006	0.003

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1814.9	4600.0	3334.2	4397.0
Stddev	7.6	9.1	112.	39.6
%RSD	4.2025	1.9877	33678	90169

#1	1807.0	4603.4	33455.	4435.3
#2	1822.2	4607.0	33230.	4356.1
#3	1815.5	4589.7	33341.	4399.7

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Zoom In
Zoom Out

Sample Name: FA52105-14F Acquired: 3/2/2018 16:11:23 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: : :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.002	0.427	-0.003	0.072	0.000	42.30	0.000	-0.002	0.001
Stddev	.0003	.0055	.0002	.0001	.000	.19	.0000		

Sample Name: MP33407-MB1 Acquired: 3/2/2018 16:15:51 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	0.113	-0.016	0.002	0.001	0.071	0.000	-0.002	0.000
Stddev	0.003	0.104	0.006	0.001	0.001	0.013	0.000	0.001	0.001
%RSD	91.75	91.96	35.46	77.86	75.40	18.98	148.7	44.57	205.0
#1	-0.007	-0.006	-0.011	0.002	0.001	0.072	0.000	-0.002	-0.001
#2	-0.002	0.183	-0.016	0.000	0.000	0.057	0.000	-0.001	0.006
#3	-0.001	0.163	-0.022	0.003	0.001	0.084	0.000	-0.002	-0.006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	0.013	-0.045	0.216	0.000	-0.002	0.162	-0.002	-0.003
Stddev	0.001	0.016	0.0216	0.187	0.000	0.001	0.019	0.001	0.004
%RSD	48.91	123.3	479.5	86.22	42.87	47.91	11.59	58.69	147.9
#1	-0.003	-0.006	0.037	0.320	0.000	-0.001	0.163	-0.001	-0.007
#2	-0.001	0.022	-0.290	0.329	0.000	-0.002	0.143	-0.003	0.000
#3	-0.003	0.022	0.118	0.001	0.000	-0.003	0.181	-0.001	-0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.001	0.009	0.016	0.006	0.001	-0.002	0.008	-0.001	0.002
Stddev	0.002	0.008	0.004	0.000	0.001	0.000	0.011	0.002	0.000
%RSD	225.0	94.38	24.77	8.523	178.9	23.41	130.3	183.4	12.09
#1	0.001	0.000	0.013	0.006	0.002	-0.002	0.000	0.001	0.002
#2	0.003	0.011	0.015	0.006	0.000	-0.001	0.020	-0.002	0.001
#3	-0.001	0.015	0.020	0.005	0.000	-0.002	0.005	-0.002	0.002

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP33407-MB1 Acquired: 3/2/2018 16:15:51 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1834.4	4653.8	34224.	4445.3
Stddev	3.9	5.9	22.	22.7
%RSD	.21506	.12594	.06547	.51084
#1	1829.9	4647.4	34204.	4458.1
#2	1836.8	4654.8	34248.	4458.8
#3	1836.6	4659.0	34219.	4419.1

Sample Name: MP33407-B1 Acquired: 3/2/2018 16:20:23 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.499	27.05	1.915	2.054	0.509	25.53	0.489	4.919	20.10
Stddev	0.005	.14	.004	.006	0.002	.08	0.001	0.003	0.009
%RSD	.9441	.5307	.1927	.2715	.3175	.3108	.1757	.0585	.4411
#1	.0502	27.08	1.915	2.049	.0507	25.47	.0489	4.916	20.03
#2	.0500	27.17	1.918	2.060	.0510	25.49	.0490	4.920	20.20
#3	.0493	26.89	1.911	2.053	.0508	25.62	.0489	4.921	20.06

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2554	26.17	25.24	24.66	4.987	4.820	24.78	5.144	4.708
Stddev	0.013	.04	.08	.09	0.012	0.005	.06	0.007	0.012
%RSD	.5112	.1577	.3350	.3849	.2377	.0979	.2570	.1371	.2482
#1	2554	26.12	25.17	24.56	4.993	4.816	24.72	5.150	4.697
#2	2567	26.21	25.22	24.73	4.995	4.825	24.78	5.145	4.708
#3	2541	26.17	25.34	24.70	4.974	4.819	24.85	5.136	4.720

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4853	1.900	3629	5.103	5.331	5.107	1.863	4.727	4.877
Stddev	0.013	.003	0.010	0.012	0.020	0.018	.002	0.014	0.007
%RSD	.2738	.1439	.2843	.2348	.3754	.3621	.1288	.2935	.1524
#1	4846	1.897	3621	5.103	5.312	5.111	1.861	4.743	4.885
#2	4845	1.902	3640	5.091	5.351	5.123	1.862	4.723	4.870
#3	4868	1.901	3625	5.114	5.329	5.087	1.866	4.716	4.877

Check ? Chk Pass Chk Pass None Chk Pass None None Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: MP33407-B1 Acquired: 3/2/2018 16:20:23 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1732.9	4499.9	32690.	4324.5
Stddev	3.2	7.3	203.	10.8
%RSD	.18232	.16195	.62079	.25068
#1	1734.7	4504.4	32579.	4321.5
#2	1734.8	4503.8	32567.	4336.5
#3	1729.3	4491.4	32925.	4315.4

Sample Name: FA52028-1 Acquired: 3/2/2018 16:24:36 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.002	.0256	-.0005	.0101	.0000	5.642	.0060	.0000	.0514
Stddev	.0003	.0069	.0001	.0003	.0000	.013	.0001	.0001	.0003
%RSD	217.2	26.86	21.41	2.748	65.34	.2217	.9825	687.7	.6764

#1	.0005	.0268	-.0005	.0098	.0000	5.629	.0059	.0001	.0516
#2	-.0001	.0318	-.0004	.0102	.0000	5.654	.0060	.0000	.0510
#3	.0001	.0182	-.0006	.0102	.0001	5.643	.0059	.0000	.0516

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0091	5.743	3.965	.7488	.0631	.0012	87.05	.0022	-.0019
Stddev	.0004	.015	.049	.0480	.0001	.0001	.10	.0001	.0006
%RSD	4.816	.2594	1.224	6.404	.1894	8.550	.1153	2.795	31.09

#1	.0088	5.727	4.014	.7819	.0631	.0014	87.14	.0022	-.0026
#2	.0088	5.756	3.963	.7708	.0630	.0012	86.94	.0022	-.0018
#3	.0096	5.747	3.917	.6938	.0632	.0012	87.08	.0023	-.0014

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0049	-.0001	4.569	.0011	.2322	.0006	.0005	.0000	.4751
Stddev	.0005	.0005	.009	.0002	.0005	.0000	.0022	.0002	.0007
%RSD	10.55	621.8	2.024	22.44	.2243	4.683	459.0	1630.	1.565

#1	.0043	.0004	4.577	.0008	.2316	.0006	.0011	-.0002	.4759
#2	.0051	-.0001	4.571	.0013	.2325	.0006	-.0019	.0000	.4747
#3	.0052	-.0005	4.559	.0011	.2325	.0006	.0022	.0002	.4745

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1753.9	4524.5	32362.	4349.8
Stddev	5.1	8.3	74.	11.1
%RSD	.28933	.18400	.22802	.25547

#1	1756.5	4523.7	32302.	4345.6
#2	1748.1	4516.6	32444.	4362.4
#3	1757.1	4533.2	32339.	4341.4

Sample Name: CCV Acquired: 3/2/2018 16:29:00 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.474	40.08	1.972	2.059	2.018	40.65	1.976	2.009	1.973
Stddev	.0024	.13	.029	.011	.003	.18	.021	.023	.006
%RSD	.9883	.3277	1.453	.5176	.1325	.4360	1.062	1.155	.3043

#1	2.491	39.99	1.952	2.051	2.016	40.52	1.961	1.992	1.969
#2	2.457	40.17	1.992	2.066	2.019	40.77	1.991	2.025	1.978

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.034	40.15	41.17	40.06	1.971	2.012	39.96	2.025	1.954
Stddev	.006	.38	.21	.33	.007	.023	.17	.022	.021
%RSD	2.741	.9512	.5151	.8291	.3393	1.163	.4168	1.073	1.069

#1	2.038	39.88	41.02	39.83	1.966	1.996	39.84	2.010	1.940
#2	2.030	40.42	41.32	40.30	1.976	2.029	40.08	2.041	1.969

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.992	1.988	1.985	2.031	2.111	1.978	1.959	1.980	2.005
Stddev	.031	.033	.021	.022	.010	.005	.023	.001	.018
%RSD	1.571	1.665	1.050	1.077	.4852	.2654	1.178	.0627	.9158

#1	1.970	1.965	1.970	2.015	2.104	1.975	1.942	1.981	1.992
#2	2.014	2.012	2.000	2.046	2.118	1.982	1.975	1.980	2.018

Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

7.3
7

Sample Name: CCV Acquired: 3/2/2018 16:29:00 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1655.8	4418.4	32402.	4298.5
Stddev	15.8	42.2	47.	39.7
%RSD	.95552	.9513	.14385	.92319

#1	1667.0	4448.2	32369.	4326.6
#2	1644.6	4388.5	32435.	4270.5

Sample Name: CCB Acquired: 3/2/2018 16:33:10 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0179	.0001	.0001	.0001	.0019	.0001	.0000	.0000
Stddev	.0002	.0181	.0006	.0003	.0001	.0027	.0001	.000	.001
%RSD	18130.	101.6	619.2	250.1	43.00	143.8	84.34	302.5	4527.

#1	.0001	.0387	.0001	-.0001	.0001	.0044	.0000	.0001	-.0001
#2	-.0002	.0055	-.0005	.0004	.0002	-.0010	.0001	-.0001	.0005
#3	.0002	.0093	.0007	.0000	.0001	.0022	.0001	-.0001	-.0004

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0084	.0049	.0142	.0001	F .0013	.0145	.0001	.0003
Stddev	.000	.0018	.0539	.0133	.0000	.0004	.0037	.0002	.0008
%RSD	587.4	19.44	1091.	93.45	51.70	27.00	25.16	210.2	266.5

#1	.0003	.0115	.0037	-.0010	.0001	.0016	.0119	.0003	.0003
#2	-.0003	.0081	-.0484	.0205	.0001	.0014	.0187	-.0002	-.0005
#3	-.0001	.0085	.0595	.0232	.0000	.0009	.0130	.0002	.0011

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0010			
Low Limit						-.0010			

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	F .0024	-.0001	.0006	.0000	.0007	F .0023	-.0002	.0002
Stddev	.0004	.0017	.0005	.0001	.0000	.0001	.0006	.0003	.0000
%RSD	193.2	72.28	391.4	16.71	132.8	14.00	27.65	135.5	19.92

#1	.0002	.0005	.0002	.0005	.0000	.0008	.0016	-.0003	.0002
#2	.0007	.0027	-.0007	.0005	.0001	.0007	.0025	-.0004	.0002
#3	-.0002	.0039	.0001	.0007	.0000	.0006	.0029	.0001	.0003

Check ?	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit		.0020					.0020		
Low Limit		-.0020					-.0020		

Sample Name: CCB Acquired: 3/2/2018 16:33:10 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1845.2	4658.9	3386.4	4429.4
Stddev	2.6	11.3	120.	5.6
%RSD	.14318	.24314	.35505	.12717

#1	1843.7	4663.4	33838.	4423.0
#2	1848.3	4667.3	33995.	4431.6
#3	1843.8	4646.0	33758.	4433.6

Sample Name: MP33407-D1 Acquired: 3/2/2018 16:37:39 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.0226	-0.004	.0098	.0000	5.600	.0060	.0000	.0516
Stddev	.0003	.0062	.0007	.0002	.000	.028	.0001	.0001	.0002
%RSD	875.3	27.60	174.6	2.009	6902.	.4903	.9874	1399.	.4788

#1	-0.001	.0262	.0001	.0099	-0.001	5.632	.0060	.0001	.0513
#2	-0.002	.0154	-0.011	.0100	.0001	5.585	.0060	.0000	.0516
#3	.0004	.0262	-0.001	.0096	.0000	5.583	.0059	-0.001	.0518

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0092	5.744	3.951	.7480	.0633	.0014	F 87.22	.0016	-0.015
Stddev	.0003	.018	.011	.0191	.0001	.0001	.10	.0002	.0005
%RSD	3.314	.3051	.2671	2.553	.2050	4.748	.1113	13.08	32.08

#1	.0089	5.746	3.952	.7630	.0633	.0015	87.12	.0016	-0.019
#2	.0094	5.726	3.961	.7265	.0631	.0014	87.21	.0015	-0.009
#3	.0094	5.761	3.940	.7544	.0633	.0015	87.32	.0019	-0.016

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0037	-0.0005	4.629	.0010	.2328	.0006	.0009	.0001	.4723
Stddev	.0012	.0015	.004	.0004	.0000	.0001	.0010	.0000	.0005
%RSD	31.59	314.4	.0826	35.43	.0174	24.11	104.6	37.65	.1162

#1	.0045	-0.022	4.632	.0006	.2328	.0004	-0.002	.0001	.4729
#2	.0041	.0005	4.624	.0012	.2328	.0006	.0015	.0002	.4723
#3	.0024	.0003	4.630	.0012	.2329	.0007	.0015	.0001	.4718

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1764.4	4512.8	32536.	4445.2
Stddev	4.7	.6	124.	21.2
%RSD	26811	.01237	.38236	.47780

#1	1759.8	4512.9	32656.	4424.6
#2	1764.2	4513.3	32408.	4444.0
#3	1769.3	4512.2	32545.	4467.1

7.3
7

Sample Name: MP33407-SD1 Acquired: 3/2/2018 16:42:04 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.009	.1774	-0.0019	.0099	.0002	5.882	.0063	-0.004	.0532
Stddev	.0012	.0591	.0038	.0012	.0003	.019	.0002	.0002	.0016
%RSD	133.9	33.32	198.0	11.95	182.8	.3294	3.167	45.91	3.078

#1	-0.002	.2040	.0021	.0087	.0003	5.861	.0065	-0.006	.0551
#2	-0.002	.2185	-0.024	.0111	-0.002	5.888	.0061	-0.003	.0521
#3	-0.023	.1097	-0.055	.0101	.0004	5.898	.0062	-0.003	.0524

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0091	6.028	4.001	.8703	.0668	.0003	92.42	.0022	-0.018
Stddev	.0009	.036	.252	.1474	.0000	.0001	.17	.0009	.0020
%RSD	10.29	.5966	6.295	16.93	.0723	37.74	.1892	40.62	108.8

#1	.0100	5.986	3.759	.7720	.0667	.0002	92.31	.0021	-0.013
#2	.0081	6.052	4.261	1.040	.0668	.0004	92.34	.0031	-0.001
#3	.0091	6.045	3.981	.7991	.0667	.0004	92.62	.0013	-0.040

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0039	-0.021	4.799	.0029	.2413	.0008	.0082	.0002	.5518
Stddev	.0026	.0026	.011	.0011	.0015	.0004	.0032	.0005	.0013
%RSD	67.17	126.7	.2341	37.13	.6087	44.85	39.13	265.8	.2265

#1	.0018	.0007	4.803	.0028	.2429	.0011	.0045	.0006	.5527
#2	.0068	-0.024	4.808	.0020	.2401	.0008	.0103	-0.004	.5504
#3	.0030	-0.044	4.787	.0041	.2410	.0004	.0099	.0004	.5523

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1827.2	4640.7	33511.	4439.1
Stddev	1.2	7.6	126.	20.2
%RSD	.06599	.16297	.37526	.45468

#1	1827.8	4648.8	33370.	4428.2
#2	1828.0	4633.8	33612.	4426.7
#3	1825.9	4639.6	33551.	4462.4

Sample Name: MP33407-PS1 Acquired: 3/2/2018 16:46:31 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0478	2.349	.0939	.2531	.0477	10.33	.0515	.0466	.0969
Stddev	.0009	.024	.0003	.0008	.0002	.05	.0002	.0000	.0006
%RSD	1.922	1.026	.3368	.3172	.4672	.5016	.3909	.0473	.6598

#1	.0478	2.361	.0939	.2538	.0476	10.38	.0513	.0467	.0974
#2	.0487	2.321	.0942	.2522	.0475	10.33	.0516	.0466	.0962
#3	.0469	2.365	.0936	.2532	.0480	10.27	.0516	.0466	.0970

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.1056	8.358	13.37	5.390	.1082	.0883	F 94.64	.0889	.0415
Stddev	.0003	.030	.04	.016	.0002	.0002	.39	.0002	.0002
%RSD	.3051	.3593	.3176	.2877	.1863	.2464	.4094	.1769	.4401

#1	.1058	8.378	13.39	5.394	.1081	.0880	94.81	.0990	.0413
#2	.1057	8.324	13.33	5.372	.1082	.0884	94.20	.0987	.0416
#3	.1052	8.374	13.41	5.402	.1085	.0884	94.92	.0990	.0416

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0945	.0859	4.542	.0467	.2741	.0947	.0872	.0453	.7023
Stddev	.0010	.0011	.002	.0002	.0006	.0005	.0007	.0001	.0004
%RSD	1.103	1.261	.0384	.5302	.2319	.5732	.7537	.2141	.0613

#1	.0942	.0856	4.541	.0468	.2748	.0942	.0865	.0454	.7023
#2	.0937	.0872	4.542	.0470	.2735	.0946	.0874	.0453	.7027
#3	.0957	.0851	4.544	.0465	.2739	.0953	.0878	.0452	.7019

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1733.7	4513.1	32253.	4338.2
Stddev	3.1	8.0	93.	8.1
%RSD	.18048	.17817	.28987	.18607

#1	1733.5	4506.2	32360.	4329.1
#2	1730.7	4511.2	32211.	4341.0
#3	1736.9	4521.9	32187.	4344.5

Sample Name: MP33407-S1 Acquired: 3/2/2018 16:50:50 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.510	27.202	1.938	2.089	0.517	31.11	0.546	4.924	2.498
Stddev	0.006	0.10	0.04	0.10	0.002	0.06	0.000	0.006	0.007
%RSD	1.241	0.3614	2.268	4.989	0.4422	0.1936	0.0690	0.1270	0.2867
#1	0.510	27.10	1.936	2.092	0.514	31.05	0.546	4.928	2.507
#2	0.517	27.05	1.935	2.098	0.518	31.17	0.546	4.917	2.494
#3	0.504	26.92	1.943	2.078	0.518	31.10	0.546	4.928	2.494
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.689	31.51	29.76	25.21	5.558	4.853	F 110.1	5.182	4.713
Stddev	0.002	0.03	0.06	0.26	0.002	0.014	2	0.009	0.006
%RSD	0.0615	0.0895	0.2163	1.047	0.0411	0.2836	1.505	0.1818	0.1172
#1	2.688	31.50	29.73	24.95	5.557	4.859	110.2	5.187	4.718
#2	2.690	31.54	29.84	25.20	5.561	4.837	110.1	5.171	4.714
#3	2.691	31.49	29.72	25.47	5.556	4.862	109.9	5.188	4.707
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	4.963	1.937	4.949	5.109	0.7673	5.106	1.875	4.743	9.386
Stddev	0.012	0.003	0.013	0.016	0.027	0.005	0.010	0.012	0.012
%RSD	0.2324	0.1304	0.2688	0.3149	0.3504	0.0893	0.5129	0.2498	0.1327
#1	4.950	1.935	4.947	5.123	0.7679	5.102	1.872	4.730	9.401
#2	4.972	1.937	4.937	5.092	0.7697	5.111	1.867	4.749	9.379
#3	4.967	1.940	4.963	5.113	0.7644	5.105	1.885	4.751	9.379
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1694.2	4471.0	3231.3	4359.8					
Stddev	4.3	14.0	65.	32.4					
%RSD	0.25348	0.31407	0.19982	0.74229					
#1	1696.8	4478.7	3235.2	4394.1					
#2	1696.6	4479.4	3234.7	4355.4					
#3	1689.2	4454.8	3223.8	4329.8					

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Sample Name: MP33407-S2 Acquired: 3/2/2018 16:55:02 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.510	27.35	1.970	2.100	0.515	31.20	0.552	4.966	2.536
Stddev	0.005	0.09	0.04	0.07	0.001	0.12	0.002	0.008	0.013
%RSD	1.004	0.3210	2.033	3.493	0.2907	0.4003	0.3113	0.1626	0.5097
#1	0.510	27.45	1.970	2.103	0.516	31.35	0.553	4.971	2.521
#2	0.515	27.30	1.966	2.106	0.514	31.14	0.550	4.957	2.544
#3	0.505	27.30	1.974	2.092	0.515	31.12	0.554	4.972	2.542
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	2.704	31.98	29.87	25.33	5.621	4.922	F 112.0	5.220	4.754
Stddev	0.014	0.01	0.07	0.03	0.019	0.009	4	0.005	0.019
%RSD	0.5141	0.0179	0.2445	0.1042	0.3396	0.1856	3.814	0.0941	0.3923
#1	2.713	31.98	29.94	25.30	5.603	4.925	112.2	5.221	4.753
#2	2.710	31.98	29.87	25.35	5.641	4.912	112.3	5.214	4.736
#3	2.688	31.99	29.80	25.33	5.617	4.930	111.5	5.224	4.773
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	5.020	1.965	5.089	5.152	0.7796	5.180	1.894	4.792	9.546
Stddev	0.0023	0.002	0.009	0.008	0.025	0.013	0.005	0.009	0.012
%RSD	0.4486	0.1034	0.1812	0.1619	0.3191	0.2524	0.2861	0.1957	0.1274
#1	5.029	1.967	5.081	5.159	0.7817	5.166	1.899	4.782	9.556
#2	4.994	1.963	5.086	5.142	0.7804	5.192	1.888	4.800	9.532
#3	5.036	1.966	5.099	5.154	0.7769	5.182	1.896	4.795	9.549
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1691.7	4449.7	3230.7	4393.3					
Stddev	2.6	9.4	75.	8.6					
%RSD	0.15215	0.21180	0.23241	0.19609					
#1	1688.8	4440.1	3238.4	4403.2					
#2	1693.8	4458.9	3230.5	4387.8					
#3	1692.5	4450.1	3223.4	4388.9					

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7.3
7

Sample Name: FA52088-1 Acquired: 3/2/2018 16:59:14 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.002	3.074	0.008	0.072	0.001	42.73	0.002	0.022	0.095
Stddev	0.004	0.033	0.008	0.007	0.000	0.03	0.000	0.000	0.001
%RSD	203.7	1.086	93.63	0.7759	41.01	0.799	7.110	0.6653	1.292
#1	0.000	3.076	0.013	0.074	0.001	42.72	0.002	0.022	0.094
#2	0.001	3.106	0.012	0.078	0.001	42.69	0.002	0.022	0.093
#3	0.007	3.040	0.001	0.065	0.001	42.76	0.002	0.022	0.096
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0370	4.106	1.995	4.426	1.432	0.012	18.73	0.147	0.036
Stddev	0.002	0.009	0.020	0.026	0.001	0.001	0.01	0.001	0.003
%RSD	4.581	0.2180	0.9951	0.5781	0.1031	5.012	0.511	0.3887	8.609
#1	0.0369	4.109	2.005	4.422	1.432	0.012	18.73	0.147	0.038
#2	0.0372	4.112	2.007	4.402	1.430	0.012	18.74	0.147	0.038
#3	0.0369	4.096	1.972	4.453	1.433	0.013	18.72	0.146	0.033
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.022	0.004	4.184	0.016	1.656	2.132	0.013	0.085	8.696
Stddev	0.007	0.013	0.025	0.003	0.005	0.020	0.012	0.001	0.022
%RSD	34.44	333.0	0.6104	18.17	0.3314	0.9318	92.26	1.174	0.2524
#1	0.013	0.018	4.199	0.013	1.660	2.152	0.016	0.085	8.709
#2	0.028	0.007	4.199	0.019	1.659	2.133	0.022	0.086	8.708
#3	0.023	0.000	4.155	0.015	1.650	2.112	0.000	0.085	8.670
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1787.0	4563.9	3341.3	4502.9					
Stddev	3.7	7.1	180.	24.0					
%RSD	0.20894	0.15531	0.53970	0.53245					
#1	1784.2	4558.7	3321.7	4517.5					
#2	1785.4	4561.0	3345.0	4516.0					
#3	1791.2	4571.9	3357.2	4475.2					

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Sample Name: FA52088-2 Acquired: 3/2/2018 17:03:36 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.003	4.907	0.002	1.378	0.002	46.24	0.010	0.058	0.141
Stddev	0.001	0.009	0.006	0.004	0.000	0.24	0.000	0.001	0.001
%RSD	51.14	0.1783	327.4	0.2726	14.30	0.5121	4.260	1.377	0.5667
#1	0.003	4.904	0.003	1.377	0.002	46.07	0.011	0.059	0.141
#2	0.001	4.917	0.000	1.382	0.003	46.51	0.010	0.057	0.142
#3	0.004	4.901	0.009	1.375	0.002	46.14	0.011	0.058	0.140
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0962	4.820	1.408	4.202	4.439	0.002	5.519	0.192	0.054
Stddev	0.010	0.026	0.025	0.027	0.01				

Sample Name: FA52091-1 Acquired: 3/2/2018 17:07:59 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	6.211	0.057	-0.372	-0.001	255.7	-0.001	0.003	0.009
Stddev	0.000	0.133	0.014	0.003	0.001	4	0.001	0.001	0.003
%RSD	28.45	2.146	24.20	0.8121	169.5	1.378	65.22	23.06	33.54
#1	-0.001	6.160	0.042	-0.372	0.001	255.7	-0.001	0.002	0.011
#2	-0.002	6.363	0.069	-0.376	0.000	255.4	-0.001	0.003	0.006
#3	-0.002	6.112	0.060	-0.370	0.000	256.1	-0.000	0.003	0.011

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.006	4.404	F 255.6	F 714.4	0.044	0.058	F 196.3	0.007	-0.019
Stddev	0.003	0.077	1.2	1.4	0.003	0.001	7	0.003	0.003
%RSD	62.41	1.757	4.505	1.947	7.864	1.501	3.771	36.01	14.04
#1	0.002	4.484	254.4	715.0	0.041	0.058	1971	0.004	-0.021
#2	0.007	4.329	255.8	712.8	0.048	0.059	1956	0.008	-0.021
#3	0.008	4.399	256.7	715.4	0.044	0.058	1961	0.009	-0.016

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.008	0.055	4.932	0.006	F 5.882	0.184	0.011	0.056	0.081
Stddev	0.010	0.011	0.23	0.003	0.22	0.047	0.015	0.001	0.001
%RSD	123.0	19.51	4.637	49.11	3.693	25.44	133.0	1.604	1.236
#1	0.013	0.046	4.905	0.007	5.868	0.142	0.014	0.057	0.082
#2	0.014	0.052	4.948	0.009	5.907	0.234	0.024	0.056	0.081
#3	-0.003	0.066	4.941	0.003	5.871	0.177	-0.005	0.056	0.080

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1209.8	3378.5	24146.	4113.0
Stddev	4.7	10.1	40.	16.9
%RSD	3.9097	2.9921	1.6436	4.1129
#1	1211.3	3389.5	24192.	4096.5
#2	1204.5	3369.6	24130.	4130.4
#3	1213.5	3376.4	24117.	4112.2

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Sample Name: FA52091-2 Acquired: 3/2/2018 17:12:41 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.001	5.882	0.050	0.362	0.001	250.2	0.000	0.002	0.009
Stddev	0.003	0.086	0.013	0.002	0.000	1.2	0.000	0.000	0.003
%RSD	470.0	1.430	26.78	0.6493	65.38	4.975	5519.	12.43	34.98
#1	0.004	6.038	0.047	0.361	0.000	251.6	0.000	0.002	0.009
#2	0.000	6.024	0.065	0.361	0.001	249.9	0.000	0.002	0.013
#3	-0.002	5.884	0.039	0.365	0.001	249.2	-0.001	0.002	0.006

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.008	4.508	F 259.7	F 715.6	0.017	0.066	F 174.2	0.009	-0.021
Stddev	0.003	0.025	1.0	3.5	0.002	0.002	19	0.004	0.012
%RSD	33.02	5.631	4.028	4.959	48.37	2.790	11.101	39.68	56.94
#1	0.006	4.509	260.5	719.7	0.020	0.068	1764.	0.014	-0.008
#2	0.011	4.533	260.1	713.5	0.016	0.066	1733.	0.007	-0.024
#3	0.008	4.482	258.5	713.6	0.017	0.064	1730.	0.007	-0.031

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.001	0.049	4.372	0.000	F 9.596	0.123	0.013	0.059	0.051
Stddev	0.014	0.027	0.27	0.000	0.34	0.044	0.007	0.001	0.001
%RSD	1026.	55.77	6.226	886.3	3.575	35.58	55.77	1.884	1.908
#1	0.016	0.072	4.343	-0.003	9.586	0.090	0.012	0.059	0.051
#2	-0.013	0.056	4.375	-0.002	9.519	0.107	0.006	0.059	0.050
#3	0.001	0.019	4.397	0.004	9.563	0.173	0.021	0.057	0.052

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1208.8	3356.7	24274.	4241.9
Stddev	9.6	30.0	36.	15.4
%RSD	7.9409	8.9353	1.5033	3.6287
#1	1219.1	3388.5	24313.	4224.6
#2	1207.1	3352.8	24240.	4246.7
#3	1200.2	3328.9	24271.	4254.3

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7.3
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Sample Name: FA52091-3 Acquired: 3/2/2018 17:17:25 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.000	6.918	0.041	0.364	0.001	248.4	0.000	0.002	0.009
Stddev	0.007	0.299	0.010	0.002	0.000	1.7	0.000	0.002	0.003
%RSD	4994.	4.328	23.55	4.219	19.27	6.993	315.3	83.48	37.99
#1	-0.001	6.748	0.036	0.363	0.001	249.9	0.000	0.001	0.007
#2	0.007	7.263	0.034	0.366	0.001	248.8	-0.001	0.004	0.006
#3	-0.006	6.742	0.051	0.364	0.001	246.5	0.001	0.002	0.012

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.010	5.024	F 263.0	F 710.9	0.041	0.065	F 169.3	0.016	-0.021
Stddev	0.002	0.067	1.6	6.9	0.003	0.004	32	0.002	0.000
%RSD	22.13	1.344	2.461	9.769	7.370	6.148	1.866	13.80	4.854
#1	0.009	5.030	262.6	717.4	0.048	0.063	1728.	0.016	-0.021
#2	0.008	5.088	263.7	711.8	0.046	0.070	1685.	0.018	-0.021
#3	0.012	4.953	262.6	703.6	0.042	0.063	1667.	0.014	-0.021

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.016	0.053	4.414	0.001	F 5.966	0.155	-0.011	0.059	0.082
Stddev	0.011	0.023	0.06	0.004	0.85	0.019	0.019	0.002	0.001
%RSD	72.35	43.99	1.439	490.4	1.425	12.07	172.9	3.814	9.617
#1	0.004	0.049	4.421	-0.004	5.993	0.172	-0.033	0.060	0.082
#2	0.027	0.032	4.408	0.003	6.035	0.158	0.003	0.057	0.081
#3	0.016	0.078	4.413	0.004	5.871	0.135	-0.003	0.061	0.082

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1203.5	3346.5	23962.	4302.8
Stddev	1.2	10.9	118.	38.6
%RSD	0.9893	3.2447	4.9277	8.9676
#1	1204.8	3358.7	24082.	4262.0
#2	1203.3	3342.9	23959.	4307.6
#3	1202.4	3337.9	23846.	4338.7

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Sample Name: CCV Acquired: 3/2/2018 17:22:08 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Units	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg		2.469	39.89	1.962	2.081	1.996	39.14	1.920	1.977	1.932
Stddev		0.014	0.04	0.007	0.001	0.007	0.06	0.005	0.006	0.008
%RSD		0.5475	0.1035	0.3668	0.0229	0.3356	0.1598	0.2822	0.3087	0.3928
#1		2.484	39.94	1.969	2.082	2.004	39.09	1.926	1.983	1.940
#2		2.464	39.87	1.962	2.081	1.993	39.21	1.919	1.976	1.925
#3		2.459	39.86	1.955	2.081	1.991	39.12	1.915	1.971	1.931

Elem	Units	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg		2.064	39.44	40.57	37.93	1.923	1.982	37.64	2.002	1.870
Stddev		0.008	0.09	0.07	0.08	0.003	0.007			

Sample Name: CCV Acquired: 3/2/2018 17:22:08 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1675.3	4433.0	33128.	4704.8
Stddev	1.3	10.9	46.	8.5
%RSD	.07871	.24647	.14013	.18101
#1	1674.3	4421.2	33079.	4706.3
#2	1676.8	4435.1	33134.	4695.6
#3	1674.7	4442.8	33171.	4712.5

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Sample Name: CCB Acquired: 3/2/2018 17:26:20 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0214	-0.003	.0001	.0001	.0079	.0001	.0001	.0002
Stddev	.0002	.0061	.0001	.0002	.0001	.0023	.0001	.0001	.0003
%RSD	303.3	28.44	44.99	177.0	72.04	29.19	51.91	91.03	167.4
#1	.0002	.0273	-0.004	-0.001	.0000	.0104	.0001	.0001	.0000
#2	-0.001	.0151	-0.003	.0003	.0002	.0075	.0002	.0001	.0000
#3	-0.003	.0217	-0.001	.0001	.0001	.0058	.0001	.0000	.0005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	.0087	.1022	.0191	.0001	F .0014	.3681	-0.001	-0.0003
Stddev	.0001	.0034	.0226	.0039	.0000	.0003	.0131	.0001	.0007
%RSD	29.88	39.28	22.13	20.61	14.94	18.25	3.553	99.95	240.6
#1	-0.004	.0126	.0888	.0154	.0001	.0017	.3629	-0.002	.0005
#2	-0.002	.0060	.0895	.0187	.0001	.0014	.3830	.0000	-0.0005
#3	-0.003	.0076	.1283	.0233	.0001	.0011	.3584	-0.001	-0.0009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0012	.0003	.0004	.0001	.0008	.0015	.0002	.0011
Stddev	.001	.0012	.0002	.0003	.0000	.0001	.0012	.0001	.0005
%RSD	187.0	105.3	73.56	73.69	29.58	9.275	79.79	42.75	2.555
#1	-0.006	.0007	.0002	.0005	.0002	.0009	.0020	.0001	.0011
#2	.0006	.0002	.0001	.0005	.0001	.0008	.0001	.0002	.0011
#3	-0.001	.0026	.0005	.0001	.0001	.0007	.0023	.0001	.0011

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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7.3
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Sample Name: CCB Acquired: 3/2/2018 17:26:20 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1804.8	4596.3	34252.	4685.7
Stddev	3.2	8.7	66.	63.6
%RSD	.17802	.18900	.19160	1.3582
#1	1806.3	4602.2	34198.	4617.6
#2	1807.1	4600.3	34325.	4695.8
#3	1801.1	4586.3	34233.	4743.7

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Sample Name: FA52091-4 Acquired: 3/2/2018 17:30:51 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0003	.5219	.0045	.0365	.0001	254.0	.0001	.0002	.0007
Stddev	.0006	.0291	.0008	.0007	.0000	5.5	.0000	.0000	.0004
%RSD	182.8	5.569	18.19	1.800	52.73	2.152	53.19	22.03	55.85
#1	.0008	.5131	.0046	.0361	.0000	250.5	.0000	.0001	.0010
#2	.0004	.5544	.0053	.0373	.0001	260.3	.0001	.0002	.0007
#3	-0.003	.4983	.0037	.0362	.0001	251.3	.0000	.0002	.0003

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0006	.3452	F 267.5	F 723.3	.0391	.0069	F 1782.	.0009	-0.0023
Stddev	.0003	.0111	6.0	15.3	.0004	.0002	.32.	.0002	.0014
%RSD	45.75	3.228	2.228	2.111	1.048	3.238	1.788	23.16	61.80
#1	.0009	.3371	264.7	713.0	.0388	.0071	1775.	.0011	-0.0032
#2	.0003	.3579	274.4	740.8	.0396	.0066	1817.	.0007	-0.0029
#3	.0005	.3406	263.4	715.9	.0391	.0069	1754.	.0008	-0.0007

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0016	.0038	4.163	.0009	F 6.036	.0113	-0.004	.0058	.0081
Stddev	.0013	.0003	.013	.0006	.025	.0004	.0023	.0002	.0002
%RSD	76.25	8.392	.3192	72.12	.4071	3.851	505.9	3.588	1.907
#1	.0003	.0042	4.162	.0016	6.039	.0108	-0.018	.0060	.0080
#2	.0019	.0038	4.151	.0008	6.010	.0115	.0022	.0058	.0080
#3	.0028	.0035	4.177	.0003	6.059	.0117	-0.017	.0056	.0083

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1202.3	3346.7	23758.	4234.2
Stddev	4.0	10.4	151.	62.9
%RSD	32893	.31012	.63463	1.4855
#1	1200.1	3344.4	23826.	4281.1
#2	1206.9	3358.1	23585.	4162.8
#3	1199.9	3337.7	23863.	4258.8

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Sample Name: FA52091-5 Acquired: 3/2/2018 17:35:34 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0005	4028	0031	0355	0000	237.9	0000	0003	0005
Stddev	.0002	0163	.0011	.0004	.0000	1.1	.000	.0002	.0003
%RSD	30.72	4.036	36.70	1.056	92.21	.4813	103.9	57.27	66.73
#1	.0005	4207	.0043	.0351	.0000	239.2	-.0001	.0001	.0009
#2	.0006	3890	.0030	.0359	.0000	237.1	.0000	.0004	.0004
#3	.0003	3986	.0020	.0355	.0001	237.4	.0000	.0002	.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0007	2651	F 253.4	F 674.9	.0357	.0060	F 1609.	.0008	-.0018
Stddev	.0002	.0039	.8	2.1	.0002	.0002	10.	.0003	.0009
%RSD	36.06	1.490	.3144	.3066	.5978	3.128	.6407	43.02	50.05
#1	.0009	.2613	254.4	677.3	.0358	.0059	1602.	.0006	-.0018
#2	.0006	.2647	253.0	673.9	.0355	.0062	1621.	.0005	-.0009
#3	.0005	.2692	252.9	673.6	.0359	.0059	1604.	.0012	-.0028
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0004	.0055	3.958	0001	F 5.891	.0081	.0013	.0053	.0065
Stddev	.0004	.0011	.014	.0000	.049	.0006	.0013	.0003	.0001
%RSD	100.7	20.63	.3491	23.44	8238	7.258	100.1	5.634	1.921
#1	.0006	.0043	3.971	.0002	5.930	.0074	.0020	.0050	.0064
#2	-.0001	.0065	3.960	.0001	5.907	.0082	.0019	.0055	.0066
#3	.0006	.0058	3.943	.0001	5.837	.0086	-.0002	.0055	.0066
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1210.3	3343.0	24351.	4449.5					
Stddev	7.8	12.5	24.	29.5					
%RSD	.64551	.37355	.09786	.66251					
#1	1201.4	3328.6	24327.	4419.7					
#2	1215.9	3349.0	24350.	4450.2					
#3	1213.6	3351.3	24375.	4478.7					

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Sample Name: FA52091-6 Acquired: 3/2/2018 17:40:18 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	3846	0045	0360	0001	244.0	-.0001	0003	0005
Stddev	.0001	0211	.0007	.0002	.0000	1.3	.0001	.0000	.0001
%RSD	152.1	5.479	15.73	.4949	44.75	.5342	155.4	8.167	19.45
#1	.0002	4078	.0053	.0359	.0001	244.9	-.0001	.0004	.0005
#2	.0001	.3792	.0041	.0362	.0000	244.7	.0000	.0003	.0006
#3	.0000	.3667	.0041	.0360	.0001	242.5	-.0001	.0003	.0004
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0001	2596	F 260.7	F 689.6	.0356	.0066	F 1665.	.0006	-.0015
Stddev	.0003	.0010	1.2	5.8	.0001	.0003	27.	.0002	.0012
%RSD	520.8	.3791	.4478	.8425	.2053	4.008	1.614	37.90	77.09
#1	-.0003	.2603	262.0	691.4	.0355	.0064	1655.	.0008	-.0003
#2	.0002	.2599	260.5	694.2	.0356	.0069	1696.	.0004	-.0017
#3	.0000	.2585	259.7	683.1	.0355	.0066	1645.	.0008	-.0026
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0008	.0050	3.843	.0001	F 5.944	.0146	.0009	.0051	.0073
Stddev	.0005	.0014	.006	.0001	.074	.0145	.0021	.0003	.0001
%RSD	64.62	27.79	.1480	60.24	1.240	99.58	228.8	6.429	1.252
#1	.0002	.0051	3.841	.0002	6.019	.0066	.0014	.0048	.0072
#2	.0010	.0036	3.850	.0001	5.941	.0314	-.0014	.0055	.0073
#3	.0013	.0064	3.839	.0001	5.871	.0058	.0028	.0051	.0074
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1214.1	3382.1	24389.	4379.6					
Stddev	2.8	3.5	92.	36.0					
%RSD	.23360	.10286	.37687	.82307					
#1	1213.6	3384.2	24407.	4353.3					
#2	1217.2	3384.1	24289.	4364.7					
#3	1211.6	3378.1	24470.	4420.7					

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7.3
7

Sample Name: FA52091-7 Acquired: 3/2/2018 17:45:02 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0004	1549	.0010	.0136	.0000	352.4	-.0001	.0003	-.0008
Stddev	.0004	0144	.0002	.0003	.0001	4.2	.0001	.0001	.0002
%RSD	119.1	9.299	21.14	2.497	974.1	1.199	89.57	34.50	28.89
#1	.0001	.1482	.0013	.0132	.0000	357.3	-.0002	.0002	-.0009
#2	-.0004	.1715	.0009	.0139	-.0001	349.7	.0000	.0004	-.0005
#3	-.0007	.1451	.0009	.0138	.0001	350.2	.0000	.0004	-.0008
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0023	.0891	F 434.1	F 1116.	.0131	.0109	F 1803.	.0002	-.0030
Stddev	.0002	.0034	.9	10.	.0000	.0002	14.	.0002	.0006
%RSD	7.053	3.768	.2072	.9320	.3587	2.131	.7874	115.9	21.03
#1	-.0023	.0890	434.3	1128.	.0130	.0111	1817.	.0002	-.0023
#2	-.0021	.0858	433.1	1114.	.0131	.0111	1788.	.0000	-.0032
#3	-.0024	.0925	434.8	1107.	.0131	.0107	1805.	.0004	-.0035
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0015	.0065	1.059	.0005	F 8.158	-.0011	-.0011	.0013	.0063
Stddev	.0005	.0024	.002	.0005	.234	.0007	.0028	.0001	.0000
%RSD	35.40	37.52	.1796	88.31	2.871	61.71	262.1	10.36	.6591
#1	.0009	.0078	1.059	.0007	8.174	-.0016	.0013	.0011	.0062
#2	.0016	.0037	1.060	.0009	7.917	-.0003	-.0004	.0014	.0063
#3	.0020	.0079	1.057	.0000	8.384	-.0014	-.0041	.0014	.0062
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1073.8	3046.4	21926.	4013.0					
Stddev	3.7	10.9	139.	36.2					
%RSD	.34542	.35818	.63568	.90227					
#1	1076.5	3056.4	21886.	3972.4					
#2	1069.6	3034.8	22082.	4024.9					
#3	1075.4	3048.0	21812.	4041.8					

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Sample Name: FA52091-8 Acquired: 3/2/2018 17:49:54 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0005	1456	.0013	.0111	.0000	349.8	-.0002	.0004	-.0005
Stddev	.0009	0103	.0005	.0000	.0000	2.5	.0000	.0001	.0005
%RSD	187.2	7.056	38.26	.2573	491.4	.7194	16.36	28.40	96.37
#1	-.0009	.1396	.0008	.0111	.0000	352.4	-.0001	.0005	.0001
#2	-.0011	.1397	.0015	.0112	.0000	349.7	-.0001	.0003	-.0009
#3	.0006	.1574	.0018	.0112	.0000	347.4	-.0002	.0005	-.0007
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0017	.0582	F 441.3	F 1115.	.0102	.0111	F 1699.	.0004	-.0034
Stddev	.0004	.0018	2.6	16.	.0001	.0002	22.	.0004	.0003
%RSD	23.73	3.156	.6001	1.450	.9531	2.006	1.266	125.4	9.059
#1	-.0022	.0593	443.6	1116.	.0101	.0113	1705.	.0008	-.0035
#2	-.0015	.0592	441.8	1131.	.0103	.0111	1717.	-.0001	-.0031
#3	-.0015	.0560	438.4	1099.	.0102	.0108	1675.	.0004	-.0037

Sample Name: FA52091-9 Acquired: 3/2/2018 17:54:45 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.001	1.403	0.007	0.015	0.000	355.5	-0.001	0.003	-0.004
Stddev	.0005	.0071	.0015	.0001	.000	2.9	.0000	.0001	.0003
%RSD	799.3	5.079	208.2	.6081	544.7	.8085	30.21	43.27	67.74
#1	-0.005	-.1458	.0000	.0116	.0000	356.6	-0.001	.0003	-0.004
#2	.0003	.1322	.0024	.0114	.0000	352.3	-0.001	.0004	-0.0011
#3	.0004	.1427	-.0002	.0114	.0000	357.7	-0.001	.0002	-0.0007
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.020	-0.0595	F 445.6	F 1140.	0.104	0.114	F 1722.	0.006	-0.036
Stddev	.0004	.0021	.9	12.	.0001	.0001	12.	.0002	.0004
%RSD	19.95	3.543	.1996	1.083	1.304	.7828	.6828	29.71	10.06
#1	-0.024	.0594	446.1	1141.	.0103	.0115	1713.	.0005	-0.033
#2	-0.016	.0617	446.2	1126.	.0104	.0114	1717.	.0005	-0.034
#3	-0.019	.0575	444.6	1151.	.0106	.0113	1735.	.0008	-0.040
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.028	0.070	6.23	0.003	F 8.326	-0.028	0.028	0.011	0.027
Stddev	.0014	.0011	.0023	.0006	.031	.0005	.0017	.0003	.0001
%RSD	51.45	16.34	.3402	186.6	.3714	16.68	61.11	22.81	4.918
#1	.0041	.0081	6.797	-.0006	8.359	-.0032	.0047	.0013	.0028
#2	.0012	.0072	6.841	-.0004	8.321	-.0023	.0017	.0012	.0028
#3	.0031	.0058	6.831	-.0007	8.297	-.0030	.0020	.0008	.0025
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1069.7	2992.2	21685.	4067.3					
Stddev	4.6	16.1	26.	42.2					
%RSD	.43395	.53853	.11998	1.0381					
#1	1069.3	2989.9	21661.	4068.6					
#2	1065.3	2977.4	21682.	4108.8					
#3	1074.6	3009.3	21713.	4024.4					

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Sample Name: FA52091-10 Acquired: 3/2/2018 17:59:37 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	-0.2256	0.006	0.099	0.000	357.2	-0.001	0.002	0.000
Stddev	.0007	.0192	.0010	.0004	.0001	1.9	.0001	.0003	.000
%RSD	445.1	8.512	167.8	3.606	274.2	.5310	79.33	166.3	1705.
#1	-0.008	-.2471	.0018	.0099	.0000	355.1	-0.001	.0003	-0.003
#2	-0.002	-.2102	.0001	.0103	.0000	358.9	-0.001	.0003	.0005
#3	.0005	-.2195	-0.001	.0095	.0001	357.7	-0.000	-0.002	-0.003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.035	-0.092	F 449.1	F 1132.	0.054	-0.107	F 1743.	0.003	-0.037
Stddev	.0004	.0048	3.0	3.	.0001	.0003	21.	.0003	.0008
%RSD	10.98	4.911	.6600	.3058	1.058	2.547	1.199	86.31	22.19
#1	-0.031	.0968	445.7	1128.	.0053	.0106	1757.	.0000	-0.047
#2	-0.034	.1036	450.6	1134.	.0054	.0110	1719.	.0005	-0.033
#3	-0.039	.0943	451.0	1133.	.0054	.0104	1753.	.0005	-0.032
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.020	0.046	6.259	0.006	F 8.311	-0.005	0.010	0.011	0.046
Stddev	.0004	.0018	.0027	.0003	.039	.0005	.0006	.0002	.0001
%RSD	22.38	39.20	.4296	56.97	.4718	108.0	56.61	15.28	1.937
#1	.0024	.0067	6.276	.0009	8.356	-.0002	.0016	.0013	.0047
#2	.0015	.0041	6.272	.0004	8.282	-.0010	.0006	.0010	.0045
#3	.0021	.0031	6.228	.0004	8.295	-.0002	.0008	.0012	.0045
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1081.3	3065.6	21948.	4074.7					
Stddev	3.0	2.5	27.	1.0					
%RSD	.27922	.08061	.12165	.02390					
#1	1078.1	3065.4	21947.	4075.8					
#2	1084.0	3068.2	21975.	4074.1					
#3	1081.8	3063.3	21922.	4074.1					

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7.3
7

Sample Name: FA52091-11 Acquired: 3/2/2018 18:04:30 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.002	1.857	0.011	0.106	0.000	358.0	0.000	0.001	-0.002
Stddev	.0003	.0098	.0013	.0001	.0001	.4	.000	.0002	.0001
%RSD	170.4	5.285	114.2	.7059	411.8	.1204	384.4	170.6	22.45
#1	-0.002	.1748	.0026	.0107	.0000	358.2	-0.001	-0.001	-0.003
#2	.0003	.1937	.0005	.0107	.0000	357.5	-0.001	.0003	-0.002
#3	.0004	.1888	.0003	.0105	.0001	358.3	-0.001	.0001	-0.003
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.023	-0.076	F 451.1	F 1124.	0.107	0.111	F 1767.	0.003	-0.048
Stddev	.0000	.0051	1.4	11.	.0001	.0004	41.	.0001	.0003
%RSD	1.568	6.511	.3130	.9507	.7829	3.172	2.329	25.05	6.147
#1	-0.024	.0832	452.4	1137.	.0107	.0114	1777.	.0003	-0.051
#2	-0.023	.0763	449.6	1118.	.0106	.0107	1802.	.0004	-0.047
#3	-0.023	.0733	451.3	1118.	.0108	.0111	1722.	.0002	-0.045
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.006	0.047	7.066	0.000	F 8.205	-0.020	0.009	0.043	
Stddev	.0010	.0012	.0082	.000	.217	.0003	.0013	.0002	.0000
%RSD	162.9	26.07	1.157	1601.	2.647	18.01	62.28	17.27	.8441
#1	.0017	.0033	7.122	.0002	8.207	-0.023	-0.024	.0008	.0044
#2	.0004	.0055	7.104	.0001	7.988	-0.019	-0.006	.0008	.0043
#3	-0.003	.0053	6.972	-0.003	8.422	-0.016	-0.030	.0011	.0043
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	1065.2	3011.3	22172.	4064.1					
Stddev	6.8	28.4	283.	27.4					
%RSD	.63423	.94288	1.2767	.67344					
#1	1064.7	3007.5	21962.	4032.5					
#2	1058.7	2985.1	22494.	4079.4					
#3	1072.2	3041.5	22060.	4080.5					

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Sample Name: FA52091-12 Acquired: 3/2/2018 18:09:23 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.001	1.071	0.007	0.108	0.000	349.8	-0.001	0.003	-0.001
Stddev	.0002	.0021	.0005	.0002	.0000	2.9	.0000	.0001	.0003
%RSD	143.7	1.962	69.23	1.737	276.1	.8346	40.01	23.25	260.9
#1	.0001	.1087	.0006	.0110	.0000	346.5	-0.001	.0002	-0.005
#2	.0000	.1079	.0003	.0108	.0001	352.0	-0.001	.0004	-0.001
#3	.0003	.1047	.0013	.0107	.0000	351.0	-0.001	.0003	.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.018	-0.099	F 445.8	F 1110.	0.081	0.108	F 1649.	0.007	-0.031
Stddev	.0003	.0035	1.9	3.	.0001	.0002	26.	.0003	.0009
%RSD	16.71	8.683	.4370	.2452	.7614	1.568	1.563	42.27	28.83
#1	-0.021	.0359	446.8	1113.	.0080	.0110	1676.	.0007	-0.030
#2	-0.015	.0423	447.0	1108.	.0081	.0106	1625.	.0004	-0.041
#3	-0.017	.0414	443.5	1109.	.0081	.0109	1646.	.0010	-0.023
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908		

Sample Name: FA52091-13 Acquired: 3/2/2018 18:14:17 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	.001	.1015	.0007	.0112	.0000	348.9	.0000	.0002	-0.004
Stddev	.0004	.0026	.0008	.0002	.000	4.5	.000	.0001	.0001
%RSD	374.7	2.569	110.2	1.499	742.1	1.282	251.6	32.43	30.40

#1	-0.003	.1043	.0001	.0112	.0000	343.9	-0.001	.0002	-0.004
#2	.0001	.0991	.0016	.0114	.0000	350.3	.0000	.0002	-0.003
#3	.0004	.1013	.0005	.0111	.0000	352.5	.0001	.0001	-0.005

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.015	.0443	F 445.9	F 1104.	.0090	.0109	F 1663.	.0006	-0.038
Stddev	.0001	.0027	1.2	2.	.0001	.0001	11.	.0002	.0010
%RSD	9.931	6.201	.2801	.1423	.7467	.9566	.6707	36.50	25.45

#1	-0.014	.0454	446.5	1105.	.0090	.0111	1656.	.0008	-0.039
#2	-0.014	.0464	446.6	1103.	.0090	.0109	1657.	.0004	-0.046
#3	-0.017	.0412	444.4	1105.	.0091	.0109	1676.	.0005	-0.027

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0022	.0019	.5755	.0002	F 8.375	-0.039	-0.005	.0012	.0064
Stddev	.0013	.0014	.0010	.0002	.061	.0004	.0013	.0002	.0001
%RSD	58.87	73.83	.1785	101.0	.7295	9.108	270.6	19.57	1.497

#1	.0016	.0035	.5743	.0002	8.380	-0.036	-0.005	.0009	.0063
#2	.0037	.0014	.5762	.0003	8.433	-0.038	-0.017	.0014	.0065
#3	.0013	.0008	.5760	.0000	8.311	-0.043	.0008	.0013	.0064

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1086.9	3048.6	21970.	4132.3
Stddev	1.7	4.6	47.	8.2
%RSD	.15737	.15028	.21544	.19951

#1	1086.9	3053.7	21941.	4136.9
#2	1085.1	3047.2	21943.	4137.1
#3	1088.6	3044.9	22024.	4122.7

Sample Name: CCV Acquired: 3/2/2018 18:19:10 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.495	40.98	1.952	2.126	1.994	40.11	1.924	1.989	1.963
Stddev	.0005	.16	.012	.007	.007	.11	.007	.006	.004
%RSD	.1941	.3852	.6157	.3141	.3522	.2835	.3704	.3283	.1898

#1	2.497	41.06	1.954	2.133	1.994	40.01	1.924	1.989	1.966
#2	2.489	41.09	1.939	2.126	1.987	40.10	1.917	1.983	1.963
#3	2.498	40.80	1.963	2.120	2.001	40.24	1.931	1.996	1.959

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.078	38.99	42.01	38.69	1.940	2.009	36.94	2.025	1.884
Stddev	.007	.15	.09	.15	.002	.008	.07	.005	.001
%RSD	.3444	.3830	.2102	.3990	.1082	.3810	.1950	.2352	.0734

#1	2.086	38.95	42.04	38.52	1.941	2.006	36.88	2.025	1.885
#2	2.073	39.15	41.91	38.81	1.941	2.004	36.93	2.020	1.884
#3	2.075	38.86	42.07	38.74	1.937	2.018	37.02	2.030	1.882

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.986	1.980	1.977	2.000	2.195	1.966	1.904	1.945	1.962
Stddev	.012	.006	.010	.003	.007	.004	.004	.001	.004
%RSD	.5785	.3056	.5101	.1346	.3221	.1920	2.148	.0464	.1831

#1	1.982	1.976	1.976	2.000	2.200	1.968	1.909	1.945	1.964
#2	1.977	1.977	1.968	1.998	2.198	1.967	1.901	1.946	1.957
#3	1.999	1.987	1.988	2.003	2.187	1.961	1.902	1.944	1.963

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.986	1.980	1.977	2.000	2.195	1.966	1.904	1.945	1.962
Stddev	.012	.006	.010	.003	.007	.004	.004	.001	.004
%RSD	.5785	.3056	.5101	.1346	.3221	.1920	2.148	.0464	.1831

#1	1.982	1.976	1.976	2.000	2.200	1.968	1.909	1.945	1.964
#2	1.977	1.977	1.968	1.998	2.198	1.967	1.901	1.946	1.957
#3	1.999	1.987	1.988	2.003	2.187	1.961	1.902	1.944	1.963

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.986	1.980	1.977	2.000	2.195	1.966	1.904	1.945	1.962
Stddev	.012	.006	.010	.003	.007	.004	.004	.001	.004
%RSD	.5785	.3056	.5101	.1346	.3221	.1920	2.148	.0464	.1831

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.986	1.980	1.977	2.000	2.195	1.966	1.904	1.945	1.962
Stddev	.012	.006	.010	.003	.007	.004	.004	.001	.004
%RSD	.5785	.3056	.5101	.1346	.3221	.1920	2.148	.0464	.1831

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.986	1.980	1.977	2.000	2.195	1.966	1.904	1.945	1.962
Stddev	.012	.006	.010	.003	.007	.004	.004	.001	.004
%RSD	.5785	.3056	.5101	.1346	.3221	.1920	2.148	.0464	.1831

#1	1.982	1.976	1.976	2.000	2.200	1.968	1.909	1.945	1.964
#2	1.977	1.977	1.968	1.998	2.198	1.967	1.901	1.946	1.957
#3	1.999	1.987	1.988	2.003	2.187	1.961	1.902	1.944	1.963

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.986	1.980	1.977	2.000	2.195	1.966	1.904	1.945	1.962
Stddev	.012	.006	.010	.003	.007	.004	.004	.001	.004
%RSD	.5785	.3056	.5101	.1346	.3221	.1920	2.148	.0464	.1831

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.986	1.980	1.977	2.000	2.195	1.966	1.904	1.945	1.962
Stddev	.012	.006	.010	.003	.007	.004	.004	.001	.004
%RSD	.5785	.3056	.5101	.1346	.3221	.1920	2.148	.0464	.1831

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.986	1.980	1.977	2.000	2.195	1.966	1.904	1.945	1.962
Stddev	.012	.006	.010	.003	.007	.004	.004	.001	.004
%RSD	.5785	.3056	.5101	.1346	.3221	.1920	2.148	.0464	.1831

#1	1.982	1.976	1.976	2.000	2.200	1.968	1.909	1.945	1.964
#2	1.977	1.977	1.968	1.998	2.198	1.967	1.901	1.946	1.957
#3	1.999	1.987	1.988	2.003	2.187	1.961	1.902	1.944	1.963

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.986	1.980	1.977	2.000	2.195	1.966	1.904	1.945	1.962
Stddev	.012	.006	.010	.003	.007	.004	.004	.001	.004
%RSD	.5785	.3056	.5101						

Sample Name: CCB Acquired: 3/2/2018 18:23:22 Type: QC
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1850.5	4708.0	3482.0	4648.3
Stddev	3.4	5.7	87.	23.5
%RSD	.18423	.12137	.24976	.50482

#1	1851.9	4705.7	34909.	4649.9
#2	1853.0	4703.8	34816.	4671.0
#3	1846.6	4714.5	34736.	4624.1

Sample Name: FA52098-1 Acquired: 3/2/2018 18:27:54 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0000	.1161	.0424	.0032	.0000	55.48	.0001	-.0001	.0007
Stddev	.000	.0110	.0003	.0001	.0001	.07	.0000	.0001	.0002
%RSD	774.4	9.432	.7127	4.304	189.3	.1247	55.79	78.99	26.63

#1	.0004	.1203	.0420	.0033	.0000	55.47	.0001	-.0000	.0005
#2	-.0002	.1037	.0426	.0033	.0001	55.42	.0000	-.0001	.0007
#3	-.0003	.1244	.0424	.0031	.0000	55.56	.0001	-.0001	.0008

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0003	.7693	2.121	1.608	.0201	.0031	3.745	.0001	.0004
Stddev	.0003	.0030	.043	.037	.0000	.0001	.008	.0001	.0001
%RSD	109.3	.3839	2.047	2.278	.1386	3.408	2051	58.96	21.67

#1	.0000	.7694	2.125	1.593	.0201	.0032	3.744	-.0000	.0003
#2	-.0005	.7721	2.076	1.650	.0201	.0030	3.738	-.0002	.0005
#3	-.0003	.7662	2.162	1.581	.0201	.0031	3.753	-.0002	.0004

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0003	-.0015	.9588	.0006	.1934	.0028	.0018	.0001	.0031
Stddev	.0005	.0014	.0021	.0004	.0008	.0001	.0006	.0001	.0001
%RSD	176.6	92.99	.2196	68.44	.4027	3.184	34.61	85.05	1.874

#1	.0007	.0001	.9612	.0011	.1936	.0029	.0025	.0003	.0031
#2	.0003	-.0020	.9574	.0003	.1926	.0028	.0013	.0000	.0032
#3	-.0002	-.0027	.9578	.0005	.1941	.0027	.0016	.0001	.0031

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1817.3	4621.3	34098.	4607.7
Stddev	6.1	7.3	132.	18.2
%RSD	.33793	.15743	.38680	.39484

#1	1810.2	4618.4	34232.	4628.5
#2	1821.2	4629.6	34094.	4594.5
#3	1820.5	4616.0	33968.	4600.2

7.3
7

Sample Name: FA52098-2 Acquired: 3/2/2018 18:32:21 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0001	.0556	.0012	.0008	.0000	18.67	.0000	.0000	.0004
Stddev	.0005	.0034	.0006	.0002	.0000	.01	.0000	.000	.0001
%RSD	317.9	6.054	45.87	25.00	175.0	.0481	120.1	153.8	15.95

#1	.0002	.0550	.0019	.0010	.0000	18.68	.0001	.0000	.0003
#2	-.0001	.0593	.0008	.0006	.0001	18.66	.0000	-.0001	.0004
#3	-.0007	.0526	.0010	.0008	.0000	18.66	.0000	.0000	.0003

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0009	.2074	1.850	.7083	.0033	-.0001	14.38	-.0002	-.0004
Stddev	.0003	.0017	.033	.0108	.0000	.0001	.02	.0002	.0007
%RSD	33.18	.8380	1.997	1.521	.6615	88.78	.1452	87.09	171.9

#1	-.0011	.2071	1.619	.7182	.0033	-.0001	14.37	-.0003	.0003
#2	-.0005	.2057	1.685	.6968	.0032	-.0002	14.36	-.0004	-.0011
#3	-.0011	.2092	1.647	.7097	.0033	-.0000	14.40	.0000	-.0003

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(In2306)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-.0002	-.0002	.8222	.0004	.0696	.0006	.0018	.0005	.0008
Stddev	.0010	.0013	.0025	.0002	.0003	.0000	.0004	.0001	.0000
%RSD	637.4	854.4	.3023	53.63	.4235	6.654	19.55	25.81	5.507

#1	-.0001	-.0017	.8233	.0006	.0696	.0006	.0015	.0005	.0009
#2	-.0011	.0003	.8240	.0002	.0699	.0005	.0018	.0003	.0008
#3	.0008	.0009	.8194	.0004	.0693	.0005	.0022	.0005	.0008

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1831.5	4697.2	34290.	4601.9
Stddev	6.8	4.7	86.	17.9
%RSD	.37393	.10067	.25214	.38794

#1	1839.4	4701.6	34386.	4608.8
#2	1826.9	4697.8	34218.	4615.3
#3	1828.2	4692.2	34267.	4581.6

Sample Name: FA52098-3 Acquired: 3/2/2018 18:36:50 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.2511	.0002	.0009	.0001	26.39	.0000	.0000	.0007
Stddev	.0006	.0152	.0005	.0001	.0000	.09	.0000	.0000	.0002
%RSD	1536.	6.068	219.1	10.89	49.90	.3537	30.80	21.13	35.12

#1	-.0006	.2404	.0001	.0008	.0001	26.50	.0000	.0000	.0005
#2	-.0002	.2445	.0007	.0009	.0001	26.36	.0000	.0001	.0007
#3	.0006	.2686	-.0002	.0010	.0000	26.32	.0000	.0000	.0009

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0004	.0615	2.450	1.194	.0085	.0021	7.734	.0000	-.0005
Stddev	.0003	.0007	.022	.035	.0001	.0001	.058	.0001	.0003
%RSD	77.41	1.210	.8939	2.959	.8167	6.756	.7541	188.6	53.44

#1	-.0006	.0609	2.433	1.161	.0085	.0023	7.782	.0000	-.0002
#2	-.0001	.0612	2.474	1.231	.0086	.0020	7.752	.0000	-.0007
#3	-.0003	.0623	2.442	1.190	.0085	.0020	7.669	.0001	-.0006

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0002	.0009	1.657	.0005	.1130	.0034	.0011	.0003	.0007
Stddev	.0017	.0014	.003	.0001	.0004	.0001	.0010	.0004	.0001
%RSD	862.9	154.3	.1629	12.67	.3594	4.131	86.30	110.3	9.266

#1	-.0021	.0019	1.655	.0005	.1126	.0032	.0000	.0003	.0006
#2	.0003	.0015	1.656	.0005	.1134	.0035	.0016	.0007	.0007
#3	.0012	-.0007	1.660	.0004	.1131	.0034	.0017	.0000	.0007

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1826.3	4650.1	34317.	4567.2
Stddev	4.3	4.5	47.	33.8
%RSD	.23536	.09782	.13794	.73952

#1	1828.2	4651.5	34337.	4528.2
#2	1829.3	4653.8	34350.	4587.9
#3	1821.4	4645.0	34262.	4585.3

Sample Name: FA52098-4 Acquired: 3/2/2018 18:41:17 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0008	-1179	0000	0079	0000	314.3	0000	0001	0014
Stddev	.0095	0.188	.0001	.0001	.000	2.0	.0001	.0001	.0004
%RSD	66.13	15.93	187.5	1.658	150.1	621.1	214.7	230.9	30.23

#1	-0007	.1395	0000	0080	0000	312.8	0001	0001	0017
#2	-0014	.1086	0001	0078	-0001	316.5	0000	-0001	0009
#3	-0003	.1055	0000	0080	0000	313.5	0001	0002	0015

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0001	24.66	3.001	6.160	2511	-0001	62.53	0005	-0048
Stddev	.0001	.09	.046	.040	.0011	.0001	.23	.0001	.0006
%RSD	108.2	.3736	1.530	.6423	.4202	85.58	.3733	24.25	11.89

#1	-0002	24.60	2.996	6.127	2506	-0002	62.79	0003	-0042
#2	-0002	24.76	3.049	6.204	2503	-0001	62.34	0005	-0049
#3	0000	24.60	2.957	6.150	2523	0000	62.45	0005	-0053

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0001	-0035	4.883	0008	1.437	0022	-0003	0019	0025
Stddev	.0005	.0005	.016	.0003	.008	.0001	.0011	.0002	.0002
%RSD	431.9	15.19	.3206	44.79	5416	4.341	372.4	10.59	8.081

#1	0004	-0030	4.888	0011	1.441	0021	0007	0021	0023
#2	-0005	-0041	4.866	0004	1.442	0023	-0014	0017	0025
#3	0005	-0034	4.897	0009	1.428	0021	-0002	0018	0026

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1688.5	4410.8	3225.3	4519.2
Stddev	2.1	13.7	148.	10.4
%RSD	.12689	.31042	4.5817	2.3038

#1	1690.4	4415.3	32144.	4518.8
#2	1688.8	4421.8	32422.	4509.0
#3	1686.2	4395.5	32194.	4529.8

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Sample Name: CRIA Acquired: 3/2/2018 18:45:53 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0079	2136	0090	2001	0048	9735	0048	0474	0093
Stddev	.0006	0.183	.0011	.0005	.0000	.0064	.0000	.0000	.0003
%RSD	6.942	8.548	12.24	25.44	.9015	6528	.9944	.0510	3.258

#1	0073	2085	0102	2003	0048	9724	0048	0474	0091
#2	0084	2339	0081	2004	0048	9678	0047	0474	0092
#3	0080	1985	0087	1995	0049	9803	0048	0474	0097

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0240	2791	9.840	4.644	0142	0443	9.414	0394	0049
Stddev	.0002	.0032	.039	.023	.0001	.0001	.022	.0001	.0004
%RSD	.7385	1.148	.3961	.5001	.7297	.2950	2.300	.2769	8.451

#1	0242	2757	9.811	4.671	0142	0442	9.427	0393	0053
#2	0238	2793	9.824	4.633	0141	0445	9.389	0395	0050
#3	0241	2821	9.884	4.628	0142	0443	9.426	0395	0045

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0055	0092	0039	0482	0100	0093	0092	0437	0194
Stddev	.0013	.0008	.0004	.0002	.0002	.0001	.0010	.0004	.0000
%RSD	24.72	8.478	11.47	4.778	2.287	1.304	10.45	8.132	25.44

#1	0056	0101	0044	0481	0102	0092	0093	0433	0194
#2	0040	0090	0035	0484	0101	0095	0102	0440	0194
#3	0067	0086	0038	0480	0097	0094	0082	0438	0195

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1834.1	4689.7	34108.	4482.6
Stddev	3.7	4.4	160.	19.8
%RSD	.20430	.09441	4.6817	4.4171

#1	1832.3	4684.7	34225.	4485.3
#2	1831.6	4693.0	34172.	4500.9
#3	1838.4	4691.4	33926.	4461.5

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7.3
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Sample Name: ICSA Acquired: 3/2/2018 18:50:19 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	0001	F 635.5	0010	0003	0000	476.8	0013	0000
Stddev	.0004	7.4	.0019	.0002	.0001	2.0	.0001	.0001
%RSD	327.3	1.377	203.0	65.75	183.2	4.113	9.328	446.4

#1	-0002	538.4	0031	0001	0001	479.0	0013	0000
#2	-0001	540.9	0005	0003	0000	475.8	0012	0001
#3	0006	527.1	-0007	0006	0001	475.5	0014	-0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	-0001	-0017	176.0	0654	F 502.3	0006	-0006	8144
Stddev	.0003	.0004	.9	.0224	2.6	.0001	.0002	.0104
%RSD	267.5	21.20	.4859	34.31	.5146	8.457	33.23	1.280

#1	-0004	-0017	176.5	0490	501.6	0005	-0007	8043
#2	0001	-0013	176.6	0562	505.1	0006	-0008	8251
#3	-0001	-0020	175.1	0909	500.1	0006	-0004	8137

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	-0011	F -0153	-0017	-0020	0131	0009	0003	-0010
Stddev	.0003	.0018	.0012	.0017	.0007	.0010	.0002	.0001
%RSD	25.03	12.02	66.79	87.51	5.385	112.8	72.44	8.459

#1	-0008	-0174	-0020	-0039	0136	0006	0001	-0011
#2	-0012	-0143	-0028	-0011	0134	0001	0003	-0011
#3	-0013	-0142	-0005	-0008	0123	0021	0005	-0009

Elem	Tl1908	V_2924	Zn2062
IS Ref	(In2306)	(Y_3600)	(Y_2243)
Avg	-0016	-0003	-0007
Stddev	.0015	.0002	.0002
%RSD	90.94	83.02	24.19

#1	-0032	-0002	-0005
#2	-0002	-0001	-0009
#3	-0016	-0005	-0008

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Sample Name: ICSA Acquired: 3/2/2018 18:50:19 Type: Unk
 Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE01: : :
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1530.4	4128.3	29577.	4071.6
Stddev	5.1	3.5	29.	25.1
%RSD	.33066	.08367	.09760	.61731

#1	1536.3	4126.2	29550.	4067.5
#2	1527.6	4126.3	29607.	4048.8
#3	1527.4	4132.2	29575.	4098.6

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Zoom In
Zoom Out

Sample Name: ICSAB Acquired: 3/2/2018 18:54:56 Type: Unk
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	
Avg	F 1.079	F 531.1	1.014	.5304	-4837	463.0	.8917	.4677	-4681
Stddev	.004	7.4	.001	.0023	.0006	3.1	.0012	.0005	.0020
%RSD	.3944	1.387	.1076	.4346	.1274	.6744	.1333	.0966	.4279
#1	1.075	530.5	1.013	.5326	.4830	460.3	.8931	.4681	.4666
#2	1.080	524.0	1.013	.5306	.4837	462.3	.8913	.4678	.4704
#3	1.083	538.7	1.015	.5280	.4842	466.4	.8909	.4672	.4673

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.5393	174.5	.0522	490.2	.4671	.8703	.9576	.8847	
Stddev	.0024	.2	.0351	.3	.0005	.0023	.0109	.0012	.0080
%RSD	.4436	.1072	67.35	.0628	.1113	.2641	1.614	.1241	.9008
#1	.5378	174.4	.0619	490.5	.4668	.8729	.6615	.9589	.8883
#2	.5382	174.3	.0132	489.9	.4668	8685	.6775	.9565	.8903
#3	.5421	174.7	.0814	490.2	.4677	8694	.6823	.9573	.8756

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.9467	.9159	.0523	.8950	1.030	.9220	.8666	.4496	.8948
Stddev	.0011	.0068	.0005	.0032	.002	.0012	.0078	.0005	.0005
%RSD	.1138	.7464	.9542	.3610	.1557	.1294	.9048	.1050	.0567
#1	.9476	.9226	.0528	.8986	1.032	.9207	.8751	.4494	.8952
#2	.9470	.9160	.0523	.8925	1.029	.9227	.8649	.4493	.8949
#3	.9455	.9090	.0518	.8938	1.029	.9227	.8597	.4501	.8942

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	1514.7	4118.2	29666.	4114.9
Stddev	8.3	12.3	30.	18.9
%RSD	.54765	.29926	.10115	.46033
#1	1506.3	4104.0	29686.	4136.0
#2	1515.0	4126.3	29680.	4109.6
#3	1522.9	4124.3	29631.	4099.3

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Zoom In
Zoom Out

Sample Name: CCV Acquired: 3/2/2018 18:59:25 Type: QC
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2513	41.30	1.976	2.128	1.999	40.85	1.965	2.014	1.999
Stddev	.0011	.19	.004	.006	.007	.22	.004	.002	.007
%RSD	.4398	.4521	.1940	.2816	.3744	.5416	.2302	.1169	.3756
#1	.2501	41.24	1.972	2.132	1.996	40.71	1.960	2.012	1.993
#2	.2517	41.51	1.979	2.131	2.007	41.10	1.968	2.017	1.996
#3	.2522	41.16	1.978	2.121	1.993	40.73	1.966	2.013	2.007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.087	39.35	42.25	39.65	1.968	2.030	39.28	2.050	1.938
Stddev	.002	.13	.23	.24	.008	.004	.10	.003	.004
%RSD	.1063	.3396	.5356	.6044	.4255	.1785	.2579	.1585	.1926
#1	2.085	39.24	42.22	39.43	1.959	2.026	39.23	2.047	1.934
#2	2.090	39.49	42.50	39.91	1.969	2.033	39.40	2.052	1.942
#3	2.086	39.31	42.05	39.61	1.976	2.030	39.21	2.052	1.939

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.996	2.008	1.986	2.044	2.199	1.988	1.947	1.969	2.020
Stddev	.006	.004	.005	.003	.006	.007	.008	.003	.003
%RSD	.2816	.2163	.2455	.1451	.2949	.3707	.4230	.1488	.1506
#1	1.994	2.011	1.981	2.044	2.196	1.980	1.938	1.966	2.016
#2	2.002	2.010	1.991	2.041	2.207	1.991	1.955	1.972	2.022
#3	1.991	2.003	1.986	2.047	2.195	1.994	1.947	1.969	2.021

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

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7.3
7

Zoom In
Zoom Out

Sample Name: CCV Acquired: 3/2/2018 18:59:25 Type: QC
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1670.8	4466.3	32672.	4370.8
Stddev	4.1	13.1	69.	23.4
%RSD	.24478	.29267	.21163	.53464
#1	1672.5	4474.8	32733.	4385.7
#2	1666.2	4451.2	32687.	4343.9
#3	1673.8	4472.8	32597.	4382.8

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Zoom In
Zoom Out

Sample Name: CCB Acquired: 3/2/2018 19:03:38 Type: QC
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002	F 0.316	-0.007	.0002	.0001	.0097	.0001	.0000	.0001
Stddev	.0002	.0105	.0006	.0001	.0000	.0060	.0000	.0002	.0001
%RSD	121.6	33.16	84.17	34.03	54.59	61.69	8.403	477.9	207.7
#1	.0001	.0438	-.0013	.0003	.0001	.0061	.0001	.0002	.0001
#2	-.0003	.0255	-.0006	.0003	.0001	.0167	.0001	.0000	.0001
#3	-.0002	.0256	-.0002	.0001	.0000	.0065	.0001	-.0001	-.0001

Check ? Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit .0250
Low Limit -.0250

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.003	.0069	-0.002	.0029	.0001	F .0014	.2669	.0000	-0.003
Stddev	.0003	.0022	.0160	.0152	.0000	.0003	.0015	.000	.0011
%RSD	136.5	31.05	7130.	523.4	42.32	25.13	.5778	1291.	374.1
#1	-.0004	.0045	-.0025	-.0124	.0001	.0015	.2656	.0004	-.0014
#2	-.0005	.0081	-.0149	.0180	.0000	.0016	.2665	-.0002	-.0003
#3	.0001	.0082	.0168	.0031	.0001	.0010	.2686	-.0003	.0008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
High Limit .0010
Low Limit -.0010

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0006	.0004	.0006	.0001	.0007	F .0020	.0000	.0012
Stddev	.0003	.0010	.0001	.0003	.0001	.0001	.0002	.0003	.0001
%RSD	92.81	176.9	32.43	48.07	85.69	9.114	9.092	538.2	5.948
#1	.0003	.0017	.0003	.0007	.0000	.0006	.0019	.0002	.0013
#2	.0006	.0003	.0003	.0007	.0000	.0007	.0022	-.0002	.0011
#3	.0000	-.0003	.0005	.0003	.0002	.0006	.0019	.0002	.0012

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass
High Limit .0020
Low Limit -.0020

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Sample Name: CCB Acquired: 3/2/2018 19:03:38 Type: QC
Method: 60102007_042011(v29) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE01: :
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1859.2	4718.3	34363.	4504.3
Stddev	1.8	9.6	100.	16.3
%RSD	.09945	.20377	.28970	.36273
#1	1859.0	4711.2	34395.	4502.7
#2	1861.2	4729.3	34443.	4488.7
#3	1857.5	4714.5	34252.	4521.3

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	2	V	-0.005817	0.000000	No
			Fe	0.000010	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.040330	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	4	Fe	-0.000049	0.000000	No
			Cr	-0.000653	0.000000	No
			Mo	0.000444	0.000000	No
			Al	0.000001	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Fe	0.000005	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000625	0.000000	No
			Ti	-0.000289	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000062	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000002	0.000000	No
			Ti	0.000103	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	-0.001220	0.000000	No
			Ti	0.002210	0.000000	No
			Fe	0.000007	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	4	Al	0.000003	0.000000	No
			Fe	-0.000010	0.000000	No
			Ca	0.000002	0.000000	No
			Cd	-0.000120	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Mo	0.000189	0.000000	No
			Sn	-0.000012	0.000000	No
			V	-0.000158	0.000000	No
			Al	0.000003	0.000000	No
			Mg	0.000003	0.000000	No
			Co	-0.000547	0.000000	No
			Cd	0.000190	0.000000	No
			Fe	-0.000126	0.000000	No
			Ca	0.000001	0.000000	No
			Ti	-0.000268	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}*	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000001	0.000000	No
			Mg	0.000000	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	0.000002	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	-0.000045	0.000000	No
			Co	0.000112	0.000000	No
			Mo	0.000980	0.000000	No
			Sb	-0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	-0.000304	0.000000	No
			Ti	0.000172	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	8	Al	0.000193	0.000000	No
			Fe	0.000175	0.000000	No
			Mo	-0.002189	0.000000	No
			Cu	0.000467	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000232	0.000000	No
			Ca	-0.000003	0.000000	No
			Cr	-0.000260	0.000000	No
Sb 206.833 {463}	<input checked="" type="checkbox"/>	11	Fe	0.000011	0.000000	No
			Cr	0.011486	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	-0.003944	0.000000	No
			V	-0.000441	0.000000	No
			Sn	-0.008695	0.000000	No
			Ti	0.000278	0.000000	No
			Ca	0.000001	0.000000	No
			Ni	-0.000818	0.000000	No
			Al	0.000010	0.000000	No
			Mn	-0.000133	0.000000	No
			Mg	-0.000002	0.000000	No
Se 196.090 {472}	<input checked="" type="checkbox"/>	12	Fe	0.000094	0.000000	No
			Ca	0.000008	0.000000	No
			Mn	0.000331	0.000000	No
			Mo	0.000111	0.000000	No
			Al	-0.000031	0.000000	No
			V	0.000000	0.000000	No
			Zn	0.000000	0.000000	No
			Sr	-0.000111	0.000000	No
			As	0.000125	0.000000	No
			Cd	-0.000250	0.000000	No
			Mg	-0.000004	0.000000	No
			Cr	-0.000326	0.000000	No
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.000000	0.000000	No
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None				
Sr 407.771 { 83}	<input checked="" type="checkbox"/>	1	Ca	0.000055	0.000000	No
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	-0.000011	0.000000	No
Tl 190.856 {477}	<input checked="" type="checkbox"/>	10	Co	0.004099	0.000000	No
			Fe	0.000000	0.000000	No
			Al	-0.000010	0.000000	No
			Ba	-0.000051	0.000000	No
			Tl	-0.000648	0.000000	No
			Sb	0.000167	0.000000	No
			Ca	-0.000000	0.000000	No
			Cr	0.000340	0.000000	No
			Mg	-0.000002	0.000000	No
			V	0.000015	0.000000	No
V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000013	0.000000	No
			Cr	-0.003634	0.000000	No
			Mo	-0.009536	0.000000	No
			Tl	0.000303	0.000000	No
			Mn	-0.000333	0.000000	No
Y 224.306 {450}* Y 360.073 { 94}* Y 371.030 { 91}* Zn 206.200 {463}	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	None None None 5				
			Cr	-0.001305	0.000000	No
			Al	-0.000001	0.000000	No
			Ca	0.000003	0.000000	No
			Fe	0.000074	0.000000	No
			As	0.001105	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	3/2/2018 9:52:42	3/2/2018 9:24:35	Linear	1/Conc	-0.000150	0.545568	0.000000	1.000000
Al 396.152 { 85}	3/2/2018 9:52:42	3/2/2018 9:24:35	Linear	1/Conc	-0.007706	0.153925	0.000000	1.000000
As 189.042 {478}	3/2/2018 9:52:42	3/2/2018 9:24:35	Linear	1/Conc	-0.000412	0.193096	0.000000	1.000000
Ba 455.403 { 74}	3/2/2018 9:52:42	3/2/2018 9:24:35	Linear	1/Conc	0.005200	9.566667	0.000000	1.000000
Be 313.042 {108}	3/2/2018 9:52:42	3/2/2018 9:24:35	Linear	1/Conc	-0.000661	9.277675	0.000000	1.000000
Ca 317.933 {106}	3/2/2018 9:52:42	3/2/2018 9:24:35	Linear	1/Conc	0.005003	0.256553	0.000000	1.000000
Cd 226.502 {449}	3/2/2018 9:52:42	3/2/2018 9:24:35	Linear	1/Conc	-0.001898	5.141100	0.000000	1.000000
Co 228.616 {447}	3/2/2018 9:52:42	3/2/2018 9:24:35	Linear	1/Conc	-0.001009	2.831825	0.000000	1.000000
Cr 267.716 {126}	3/2/2018 9:52:42	3/2/2018 9:24:35	Linear	1/Conc	-0.000149	0.422300	0.000000	1.000000
Cu 324.754 {104}	3/2/2018 9:52:42	3/2/2018 9:24:35	Linear	1/Conc	0.005275	0.668408	0.000000	1.000000
Fe 259.940 {130}	3/2/2018 9:52:42	3/2/2018 9:24:35	Linear	1/Conc	0.001305	0.128494	0.000000	1.000000
In 230.606 {446}*	3/2/2018 9:52:42	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	3/2/2018 9:52:42	3/2/2018 9:24:35	Linear	1/Conc	-0.008301	0.100379	0.000000	1.000000
Mg 279.079 {121}	3/2/2018 9:52:42	3/2/2018 9:24:35	Linear	1/Conc	-0.000156	0.022949	0.000000	1.000000
Mn 257.610 {131}	3/2/2018 9:52:42	3/2/2018 9:24:35	Linear	1/Conc	0.000349	2.719605	0.000000	1.000000
Mo 202.030 {467}	3/2/2018 9:52:42	3/2/2018 9:24:35	Linear	1/Conc	0.000847	1.040592	0.000000	1.000000
Na 589.592 { 57}	3/2/2018 9:52:42	3/2/2018 9:24:35	Linear	1/Conc	0.005453	0.413730	0.000000	1.000000
Ni 231.604 {445}	3/2/2018 9:52:42	3/2/2018 9:24:35	Linear	1/Conc	0.001264	1.523765	0.000000	1.000000
Pb 220.353 {453}	3/2/2018 9:52:42	3/2/2018 9:24:35	Linear	1/Conc	-0.002008	1.171734	0.000000	1.000000
Sb 206.833 {463}	3/2/2018 9:52:42	3/2/2018 9:24:35	Linear	1/Conc	0.000494	0.232289	0.000000	1.000000
Se 196.090 {472}	3/2/2018 9:52:42	3/2/2018 9:24:35	Linear	1/Conc	0.000524	0.141947	0.000000	1.000000
Si 212.412 {459}	3/2/2018 9:52:42	3/2/2018 9:24:35	Linear	1/Conc	0.005357	0.350823	0.000000	1.000000
Sn 189.989 {477}	3/2/2018 9:52:42	3/2/2018 9:24:35	Linear	1/Conc	0.000472	0.448668	0.000000	1.000000
Sr 407.771 { 83}	3/2/2018 9:52:42	3/2/2018 9:24:35	Linear	1/Conc	-0.001777	11.407677	0.000000	1.000000
Ti 334.941 {101}	3/2/2018 9:52:42	3/2/2018 9:24:35	Linear	1/Conc	0.000774	1.600081	0.000000	1.000000
Tl 190.856 {477}	3/2/2018 9:52:42	3/2/2018 9:24:35	Linear	1/Conc	-0.003306	0.362139	0.000000	1.000000
V 292.402 {115}	3/2/2018 9:52:42	3/2/2018 9:24:35	Linear	1/Conc	-0.000498	0.647123	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	3/2/2018 9:52:42	3/2/2018 9:24:35	Linear	1/Conc	0.000585	2.865983	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999885	0.000080	0.000537	0.001790	OK	1.000000	0.000000	1	0
Al 396.152 {85}	0.999986	0.001328	0.012207	0.040689	OK	1.000000	0.000000	1	0
As 189.042 {478}	0.999948	0.000158	0.000943	0.003143	OK	1.000000	0.000000	1	0
Ba 455.403 {74}	0.999995	0.002392	0.000279	0.000931	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999983	0.004402	0.000083	0.000276	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999940	0.004517	0.003748	0.012493	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	1.000000	0.000209	0.000057	0.000191	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999998	0.000486	0.000117	0.000390	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999976	0.000233	0.000375	0.001249	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999999	0.000080	0.000359	0.001196	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999772	0.004424	0.003373	0.011242	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 {44}	0.999987	0.000836	0.038233	0.127442	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999978	0.000243	0.024240	0.080801	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999936	0.002480	0.000057	0.000191	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999907	0.001141	0.000178	0.000594	OK	1.000000	0.000000	1	0
Na 589.592 {57}	0.999977	0.004473	0.009130	0.030432	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999998	0.000221	0.000222	0.000739	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999912	0.001262	0.000688	0.002292	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999986	0.000100	0.001286	0.004286	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999959	0.000103	0.001880	0.006267	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.999900	0.000400	0.000604	0.002012	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999917	0.000465	0.000356	0.001186	OK	1.000000	0.000000	1	0
Sr 407.771 {83}	0.999921	0.011585	0.000136	0.000453	OK	1.000000	0.000000	1	0
Tl 334.941 {101}	0.999949	0.001308	0.000160	0.000535	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999889	0.000437	0.001243	0.004145	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999928	0.000616	0.000343	0.001143	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 {94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 {91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999988	0.001111	0.000076	0.000254	OK	1.000000	0.000000	1	0

6020A

SGS Accutest - Orlando Metals Digestion Log Water

Method of digestion(circle one) SW846-3010A / SW846-3005A / EPA 200.7 / EPA 200.8 / SM3030C

MP #: 33363
 Prep Date/Time (mm/dd/yy 24:00): 02/20/18 08:40
 HotBlock I.D. 5
 Thermometer I.D. 204
 Correction Factor (°C) -1
 Temperature Observed/Corrected (°C) 91/90
 pH paper lot# 230315

Volume
 Spk. Sol. ^A Used(ml) Pipette #
 Acc 1000 ACC1048A 0.5 KU15244 MU45274
 Acc 999 ACC999 0.25 KU15244
 MET5904 MET5939 0.25 KU15244
 Dig. Tube Lot#: 1707186

Added ^B: HNO₃ HCL
 Lot# 0000187388 0000186764

Sample #	Initial Volume(ml)	pH<2	Final Volume(ml)	Comments
Method Blank(MB)	50.0	N/A	50.0	
Spike Blank(SB)		N/A		
Matrix Spike(MS)		✓		
Matrix Spike Dup(MSD)		✓		
Duplicate(DUP)		✓		
1 QC ^C FA51737 -1F D32		✓		
2 -2F 11		✓		
3 -3F ↓		✓		
4 -4F ↓		✓		
5 FA51672 -23 1		✓		
6 -24 ↓		✓		
7 -25 ↓		✓		
8 -26 ↓		✓		
9 FA51836 -1F 8		✓		
10 -2F ↓		✓		
11 FA51777 -2 1		✓		
12 FA51184 -1B NA		✓		
13 -3B ↓		✓		
14 -4B ↓		✓		
15 -5B ↓		✓		
16				
17				
18				
19				
20				
21 ^E				
22 ^E				
23 ^E				
24 ^E				

Analyst: Jordan D... Date: 02/20/18
 QC Review: [Signature] Date: 02/20/18

- A Used for SB, MS, MSD
- B For reagent volumes used consult SOP MET 103, current revision
- C Parent sample used to prepare MS, MSD, DUP
- D Bottle Number
- E Additional matrix QC

icpwaterdigestionlog 0916.xls

Rev 09/12/16 DM
 Page 19 of 100

*JC 2/20/18

7.4.1
 7

Dry sieve 5g
DOS

SGS Accutest - Orlando Metals Digestion Log Soil

MP #: 33398

Method of Digestion: SW846-3050B

Prep Date/Time (mm/dd/yy 24:00): 02/28/18 08:00

HotBlock I.D. 9

Thermometer I.D. *6017 6071

Correction Factor (°C) -1

Temperature Observed/Corrected (°C) 92.91

Balance I.D. ADVPRO3

Added^B:
Lot# 172217 H₂O₂ 0000187328 HNO₃

Spk. Sol. A	Volume Used (ml)	Pipette #
ACC1048A	1.0	KU15244
ACC999	0.5	KU15244
MET5938	0.5	KU15244

Filter Lot#: 170112102

Dig. Tube Lot#: 1005323

HCL 0000187518 PTFE Boiling Chips 22842018

Sample #	Wt. g	Final Volume (ml)	Comments
Method Blank (MB)	5.0	100.0	
Spike Blank (SB)	↓		
Matrix Spike (MS)	5.24		5x reagents used for digestion (JC) 02/28/18
Matrix Spike Dup (MSD)	5.01		
Duplicate (DUP)	5.06		
1 QC D2-FAS1672-5 ^{D1}	4.89		
2 QC-FAS1672-5	4.99		
3 FAS1672-1	5.02		
4 -2	5.08		
5 -3	5.00		
6 -4	5.16		
7 -6	5.10		
8 -7	5.00		
9 -8	5.02		
10 -9	4.98		
11 -10	5.03		
12 ↓ -11 ↓	5.20	↓	
13			
14			
15			
16			
17			
18			
19			
20			
21 ^E			
22 ^E			
23 ^E			
24 ^E			

Analyst: Jordan Cuoco
QC Review: [Signature]

Date: 02/28/18
Date: 03/01/18

used for SB, MS, MSD
For reagent volumes used consult SOP MET 104, current revision
Parent sample used to prepare MS, MSD, DUP
Bottle Number
Additional Matrix QC icpsoidigestionlog 0316.xls

* JC 2/28

7.4.2
7

Dry Sieve 5g
DOD

MP #: 33399

Metals Digestion Log Soil

Method of Digestion: SW846-3050B

Prep Date/Time (mm/dd/yy 24:00): 02/28/18 11:20
 HotBlock I.D. 9
 Thermometer I.D. A-1 6071
 Correction Factor (°C) -1
 Temperature Observed/Corrected (°C) 92 / 91
 Balance I.D. ADVPRO3
 Added^B: H₂O₂ HNO₃
 Lot# 172277 0000187388
 Spk. Sol. ^A ACC1048A ACC999 MET5938
 Volume Used(ml) 1.0 0.5 0.5
 Pipette # KU15244 KU15244 KU15244
 Filter Lot#: 170112102
 Dig. Tube Lot# 1605323
 HCL 0000187518
 PTFE Boiling Chips 22842018

Sample #	Wt. g	Final Volume(ml)	Comments
Method Blank(MB)	5.0	100.0	
Spike Blank(SB)	↓		
Matrix Spike(MS)	5.01		5x reagents used for digestion. 09 02/28/18
Matrix Spike Dup(MSD)	5.01		
Duplicate(DUP)	5.20		
100 ^C D2-FA51672-18 ^{D1}	5.20		
2 GC-FA51672-18	5.17		
3 FA51672-12	5.11		
4 -13	5.15		
5 -14	5.05		
6 -15	5.19		
7 -16	5.05		
8 -17	5.01		
9 -19	5.08		
10 -20	5.05		
11 -21	5.03		
12 -22	5.10		
13			
14			
15			
16			
17			
18			
19			
20			
21 ^E			
22 ^E			
23 ^E			
24 ^E			

Analyst: Jordan Cross Date: 02/28/18
 QC Review: [Signature] Date: 02/01/18

A Used for SB, MS, MSD
 B For reagent volumes used consult SOP MET 104, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional Matrix QC
 icpsoidigestionlog 0316.xls

* JC

7.4.3
7

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Kemron Environmental Services, Inc

Ft Ord; CA

J202200224

SGS Job Number: FA58023

Sampling Dates: 09/25/18 - 09/26/18

Report to:

Kemron Environmental Services, Inc
4522 Joe Lloyd Way
Monterey, CA 93944
EDawson@GilbaneCo.com; TBeer@GilbaneCo.com

ATTN: Evenlyn Dawson

Total number of pages in report: **130**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

A handwritten signature in black ink that reads "Caitlin Brice".

Caitlin Brice, M.S.
General Manager

Client Service contact: Allison Losada 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), IL(200063), NC(573), NJ(FL002), NY(12022), SC(96038001)
DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177),
AK, AR, IA, KY, MA, MS, ND, NH, NV, OK, OR, UT, WA, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.

Test results relate only to samples analyzed.



November 27, 2018

Mr. Thomas Beer
Gilbane
1655 Grant Street, Suite 1200
Concord, CA 94520

RE: SGS North America Inc. - Orlando job FA58023 Reissue

Dear Mr. Beer,

The final report for job number FA58023 has been edited in response to your recent data inquiry. The following changes have been incorporated into the revised report.

The true value in text field has been corrected, Blank Spike report reflects correct recovery.

SGS North America Inc. - Orlando apologies for any inconvenience this oversight may have presented. Please feel free to contact us if we can be of any further assistance.

Sincerely,

SGS North America, Inc. - Orlando

Cc: Evelyn Dawson, Gilbane
Kristen Carlyon-Peyton, Gilbane

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Sample Summary

Kemron Environmental Services, Inc

Job No: FA58023

Ft Ord; CA

Project No: J202200224

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
FA58023-1	09/25/18	09:19 RP	09/29/18	SO	Soil	33-01SO200000
FA58023-2	09/25/18	09:44 RP	09/29/18	SO	Soil	33-01SO200001
FA58023-3	09/25/18	10:14 RP	09/29/18	SO	Soil	33-01SO200002
FA58023-4	09/25/18	09:19 RP	09/29/18	SO	Soil	33-01SO200000Q
FA58023-5	09/25/18	09:44 RP	09/29/18	SO	Soil	33-01SO200001Q
FA58023-6	09/25/18	10:14 RP	09/29/18	SO	Soil	33-01SO200002Q
FA58023-7	09/25/18	11:18 RP	09/29/18	SO	Soil	33-01SO210000
FA58023-8	09/25/18	11:34 RP	09/29/18	SO	Soil	33-01SO210001
FA58023-9	09/25/18	11:57 RP	09/29/18	SO	Soil	33-01SO210002
FA58023-10	09/25/18	13:07 RP	09/29/18	SO	Soil	33-01SO220000
FA58023-11	09/25/18	13:26 RP	09/29/18	SO	Soil	33-01SO220001
FA58023-12	09/25/18	13:52 RP	09/29/18	SO	Soil	33-01SO220002
FA58023-13	09/25/18	14:20 RP	09/29/18	SO	Soil	33-01SO230000

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary

(continued)

Kemron Environmental Services, Inc

Job No: FA58023

Ft Ord; CA

Project No: J202200224

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
FA58023-14	09/25/18	14:31 RP	09/29/18	SO	Soil	33-01SO230001
FA58023-15	09/25/18	14:59 RP	09/29/18	SO	Soil	33-01SO230002
FA58023-16	09/26/18	09:00 RP	09/29/18	SO	Soil	33-01SO240000
FA58023-17	09/26/18	09:14 RP	09/29/18	SO	Soil	33-01SO240001
FA58023-18	09/26/18	09:42 RP	09/29/18	SO	Soil	33-01SO240002
FA58023-19	09/26/18	11:21 RP	09/29/18	SO	Soil	33-01SO250000
FA58023-20	09/26/18	11:35 RP	09/29/18	SO	Soil	33-01SO250001
FA58023-21	09/26/18	11:58 RP	09/29/18	SO	Soil	33-01SO250002
FA58023-22	09/26/18	13:11 RP	09/29/18	SO	Soil	33-01SO260000
FA58023-23	09/26/18	13:26 RP	09/29/18	SO	Soil	33-01SO260001
FA58023-24	09/26/18	13:55 RP	09/29/18	SO	Soil	33-01SO260002
FA58023-25	09/25/18	15:42 RP	09/29/18	AQ	Equipment Blank	33-ER02SC092518
FA58023-26	09/26/18	16:36 RP	09/29/18	AQ	Equipment Blank	33-ER03SC092618

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Kemron Environmental Services, Inc

Job No: FA58023

Site: Ft Ord; CA

Report Date: 10/17/2018 8:36:55

26 Sample(s) were collected between 09/25/2018 and 09/26/2018 and were received at SGS North America Inc - Orlando on 09/29/2018 properly preserved, at 3 Deg. C and intact. These Samples received an SGS Orlando job number of FA58023. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals Analysis By Method SW846 6010C

Matrix: AQ

Batch ID: MP34490

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA58183-4DUP, FA58183-4MS, FA58183-4MSD, FA58183-4PS, FA58183-4SDL were used as the QC samples.

Matrix: SO

Batch ID: MP34493

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA58023-7DUP, FA58023-7MSD, FA58023-7SDL, FA58023-7PS were used as the QC samples for metals.

Matrix Spike/Matrix Spike Duplicate Recovery(s) for Lead are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

FA58023-1 for Lead: Sample dilution required due to difficult matrix.

FA58023-4 for Lead: Sample dilution required due to difficult matrix.

FA58023-7 for Lead: Sample dilution required due to difficult matrix.

FA58023-10 for Lead: Sample dilution required due to difficult matrix.

FA58023-13 for Lead: Sample dilution required due to difficult matrix.

FA58023-16 for Lead: Sample dilution required due to difficult matrix.

FA58023-19 for Lead: Sample dilution required due to difficult matrix.

FA58023-22 for Lead: Sample dilution required due to difficult matrix.

General Chemistry By Method SM19 2540G

Matrix: SO

Batch ID: GN79987

Sample(s) FA57961-22DUP were used as the QC samples for Solids, Percent.

Matrix: SO

Batch ID: GN79996

Sample(s) FA58023-20DUP were used as the QC samples for Solids, Percent.

SGS Orlando certifies that this report meets the project requirements for analytical data produced for the samples as received at SGS Orlando and as stated on the COC. SGS Orlando certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SGS Orlando Quality Manual except as noted above. This report is to be used in its entirety. SGS Orlando is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: FA58023
Account: Kemron Environmental Services, Inc
Project: Ft Ord; CA
Collected: 09/25/18 thru 09/26/18



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
---------------	------------------	-----------------	-----	-----	-------	--------

FA58023-1 **33-01SO200000**

Lead ^a		127	4.0	0.80	mg/kg	SW846 6010C
-------------------	--	-----	-----	------	-------	-------------

FA58023-2 **33-01SO200001**

No hits reported in this sample.

FA58023-3 **33-01SO200002**

No hits reported in this sample.

FA58023-4 **33-01SO200000Q**

Lead ^a		40.1	4.0	0.79	mg/kg	SW846 6010C
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FA58023-5 **33-01SO200001Q**

No hits reported in this sample.

FA58023-6 **33-01SO200002Q**

No hits reported in this sample.

FA58023-7 **33-01SO210000**

Lead ^a		51.2	4.0	0.80	mg/kg	SW846 6010C
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FA58023-8 **33-01SO210001**

No hits reported in this sample.

FA58023-9 **33-01SO210002**

No hits reported in this sample.

FA58023-10 **33-01SO220000**

Lead ^a		59.0	3.9	0.79	mg/kg	SW846 6010C
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FA58023-11 **33-01SO220001**

No hits reported in this sample.

Summary of Hits

Job Number: FA58023
Account: Kemron Environmental Services, Inc
Project: Ft Ord; CA
Collected: 09/25/18 thru 09/26/18



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
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FA58023-12 **33-01SO220002**

No hits reported in this sample.

FA58023-13 **33-01SO230000**

Lead ^a	102	4.0	0.80	mg/kg	SW846 6010C
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FA58023-14 **33-01SO230001**

No hits reported in this sample.

FA58023-15 **33-01SO230002**

No hits reported in this sample.

FA58023-16 **33-01SO240000**

Lead ^a	318	3.9	0.79	mg/kg	SW846 6010C
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FA58023-17 **33-01SO240001**

No hits reported in this sample.

FA58023-18 **33-01SO240002**

No hits reported in this sample.

FA58023-19 **33-01SO250000**

Lead ^a	153	4.0	0.80	mg/kg	SW846 6010C
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FA58023-20 **33-01SO250001**

No hits reported in this sample.

FA58023-21 **33-01SO250002**

No hits reported in this sample.

FA58023-22 **33-01SO260000**

Lead ^a	27.0	4.0	0.80	mg/kg	SW846 6010C
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Summary of Hits

Job Number: FA58023
Account: Kemron Environmental Services, Inc
Project: Ft Ord; CA
Collected: 09/25/18 thru 09/26/18



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
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FA58023-23 **33-01SO260001**

No hits reported in this sample.

FA58023-24 **33-01SO260002**

No hits reported in this sample.

FA58023-25 **33-ER02SC092518**

Lead	1.1 J	5.0	2.0	ug/l	SW846 6010C
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FA58023-26 **33-ER03SC092618**

No hits reported in this sample.

(a) Sample dilution required due to difficult matrix.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: 33-01SO200000	Date Sampled: 09/25/18
Lab Sample ID: FA58023-1	Date Received: 09/29/18
Matrix: SO - Soil	Percent Solids: 99.3
Project: Ft Ord; CA	

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	127	4.0	0.80	0.20	mg/kg	10	10/12/18	10/12/18 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA15293

(2) Prep QC Batch: MP34493

(a) Sample dilution required due to difficult matrix.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SO200001	Date Sampled: 09/25/18
Lab Sample ID: FA58023-2	Date Received: 09/29/18
Matrix: SO - Soil	Percent Solids: 98.2
Project: Ft Ord; CA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	98.2		%	1	10/05/18 17:14	AG	SM19 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID: 33-01SO200002	Date Sampled: 09/25/18
Lab Sample ID: FA58023-3	Date Received: 09/29/18
Matrix: SO - Soil	Percent Solids: 98.1
Project: Ft Ord; CA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	98.1		%	1	10/05/18 17:14	AG	SM19 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID: 33-01SO200000Q	Date Sampled: 09/25/18
Lab Sample ID: FA58023-4	Date Received: 09/29/18
Matrix: SO - Soil	Percent Solids: 99.5
Project: Ft Ord; CA	

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	40.1	4.0	0.79	0.20	mg/kg	10	10/12/18	10/12/18 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA15293

(2) Prep QC Batch: MP34493

(a) Sample dilution required due to difficult matrix.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

4.4
4

Report of Analysis

Client Sample ID: 33-01SO200001Q	Date Sampled: 09/25/18
Lab Sample ID: FA58023-5	Date Received: 09/29/18
Matrix: SO - Soil	Percent Solids: 98.3
Project: Ft Ord; CA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	98.3		%	1	10/05/18 17:14	AG	SM19 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID:	33-01SO200002Q	Date Sampled:	09/25/18
Lab Sample ID:	FA58023-6	Date Received:	09/29/18
Matrix:	SO - Soil	Percent Solids:	98.1
Project:	Ft Ord; CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	98.1		%	1	10/05/18 17:14	AG	SM19 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID: 33-01SO210000	Date Sampled: 09/25/18
Lab Sample ID: FA58023-7	Date Received: 09/29/18
Matrix: SO - Soil	Percent Solids: 99.1
Project: Ft Ord; CA	

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	51.2	4.0	0.80	0.20	mg/kg	10	10/12/18	10/12/18 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA15293

(2) Prep QC Batch: MP34493

(a) Sample dilution required due to difficult matrix.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

4.7
4

Report of Analysis

Client Sample ID: 33-01SO210001	Date Sampled: 09/25/18
Lab Sample ID: FA58023-8	Date Received: 09/29/18
Matrix: SO - Soil	Percent Solids: 98.6
Project: Ft Ord; CA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	98.6		%	1	10/08/18 13:41	AG	SM19 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID: 33-01SO210002	Date Sampled: 09/25/18
Lab Sample ID: FA58023-9	Date Received: 09/29/18
Matrix: SO - Soil	Percent Solids: 98.8
Project: Ft Ord; CA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	98.8		%	1	10/08/18 13:41	AG	SM19 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID: 33-01SO220000	Date Sampled: 09/25/18
Lab Sample ID: FA58023-10	Date Received: 09/29/18
Matrix: SO - Soil	Percent Solids: 99.8
Project: Ft Ord; CA	

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	59.0	3.9	0.79	0.20	mg/kg	10	10/12/18	10/12/18 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA15293

(2) Prep QC Batch: MP34493

(a) Sample dilution required due to difficult matrix.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SO220001	Date Sampled: 09/25/18
Lab Sample ID: FA58023-11	Date Received: 09/29/18
Matrix: SO - Soil	Percent Solids: 98.1
Project: Ft Ord; CA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	98.1		%	1	10/08/18 13:41	AG	SM19 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID: 33-01SO220002	Date Sampled: 09/25/18
Lab Sample ID: FA58023-12	Date Received: 09/29/18
Matrix: SO - Soil	Percent Solids: 97.3
Project: Ft Ord; CA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	97.3		%	1	10/08/18 13:41	AG	SM19 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID: 33-01SO230000	Date Sampled: 09/25/18
Lab Sample ID: FA58023-13	Date Received: 09/29/18
Matrix: SO - Soil	Percent Solids: 99.6
Project: Ft Ord; CA	

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	102	4.0	0.80	0.20	mg/kg	10	10/12/18	10/12/18 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA15293

(2) Prep QC Batch: MP34493

(a) Sample dilution required due to difficult matrix.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID:	33-01SO230001	Date Sampled:	09/25/18
Lab Sample ID:	FA58023-14	Date Received:	09/29/18
Matrix:	SO - Soil	Percent Solids:	99.0
Project:	Ft Ord; CA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	99		%	1	10/08/18 13:41	AG	SM19 2540G

RL = Reporting Limit

4.14
4

Report of Analysis

Client Sample ID: 33-01SO230002	Date Sampled: 09/25/18
Lab Sample ID: FA58023-15	Date Received: 09/29/18
Matrix: SO - Soil	Percent Solids: 98.7
Project: Ft Ord; CA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	98.7		%	1	10/08/18 13:41	AG	SM19 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID: 33-01SO240000	Date Sampled: 09/26/18
Lab Sample ID: FA58023-16	Date Received: 09/29/18
Matrix: SO - Soil	Percent Solids: 99.7
Project: Ft Ord; CA	

4.16
4

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	318	3.9	0.79	0.20	mg/kg	10	10/12/18	10/12/18 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA15293

(2) Prep QC Batch: MP34493

(a) Sample dilution required due to difficult matrix.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SO240001	Date Sampled: 09/26/18
Lab Sample ID: FA58023-17	Date Received: 09/29/18
Matrix: SO - Soil	Percent Solids: 98.5
Project: Ft Ord; CA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	98.5		%	1	10/08/18 13:41	AG	SM19 2540G

RL = Reporting Limit

4.17
4

Report of Analysis

Client Sample ID: 33-01SO240002	Date Sampled: 09/26/18
Lab Sample ID: FA58023-18	Date Received: 09/29/18
Matrix: SO - Soil	Percent Solids: 97.7
Project: Ft Ord; CA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	97.7		%	1	10/08/18 13:41	AG	SM19 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID: 33-01SO250000	Date Sampled: 09/26/18
Lab Sample ID: FA58023-19	Date Received: 09/29/18
Matrix: SO - Soil	Percent Solids: 99.4
Project: Ft Ord; CA	

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	153	4.0	0.80	0.20	mg/kg	10	10/12/18	10/12/18 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA15293

(2) Prep QC Batch: MP34493

(a) Sample dilution required due to difficult matrix.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SO250001	Date Sampled: 09/26/18
Lab Sample ID: FA58023-20	Date Received: 09/29/18
Matrix: SO - Soil	Percent Solids: 98.9
Project: Ft Ord; CA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	98.9		%	1	10/08/18 13:41	AG	SM19 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID: 33-01SO250002	Date Sampled: 09/26/18
Lab Sample ID: FA58023-21	Date Received: 09/29/18
Matrix: SO - Soil	Percent Solids: 98.2
Project: Ft Ord; CA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	98.2		%	1	10/08/18 13:41	AG	SM19 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID: 33-01SO260000	Date Sampled: 09/26/18
Lab Sample ID: FA58023-22	Date Received: 09/29/18
Matrix: SO - Soil	Percent Solids: 99.7
Project: Ft Ord; CA	

Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead ^a	27.0	4.0	0.80	0.20	mg/kg	10	10/12/18	10/12/18 LM	SW846 6010C ¹	SW846 3050B ²

(1) Instrument QC Batch: MA15293

(2) Prep QC Batch: MP34493

(a) Sample dilution required due to difficult matrix.

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Report of Analysis

Client Sample ID: 33-01SO260001	Date Sampled: 09/26/18
Lab Sample ID: FA58023-23	Date Received: 09/29/18
Matrix: SO - Soil	Percent Solids: 98.7
Project: Ft Ord; CA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	98.7		%	1	10/08/18 13:41	AG	SM19 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID: 33-01SO260002	Date Sampled: 09/26/18
Lab Sample ID: FA58023-24	Date Received: 09/29/18
Matrix: SO - Soil	Percent Solids: 97.6
Project: Ft Ord; CA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Percent	97.6		%	1	10/08/18 13:41	AG	SM19 2540G

RL = Reporting Limit

Report of Analysis

Client Sample ID: 33-ER02SC092518	Date Sampled: 09/25/18
Lab Sample ID: FA58023-25	Date Received: 09/29/18
Matrix: AQ - Equipment Blank	Percent Solids: n/a
Project: Ft Ord; CA	

Total Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	1.1 J	5.0	2.0	1.1	ug/l	1	10/11/18	10/12/18 LM	SW846 6010C ¹	SW846 3010A ²

(1) Instrument QC Batch: MA15293

(2) Prep QC Batch: MP34490

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

4.25
4

Report of Analysis

Client Sample ID: 33-ER03SC092618	Date Sampled: 09/26/18
Lab Sample ID: FA58023-26	Date Received: 09/29/18
Matrix: AQ - Equipment Blank	Percent Solids: n/a
Project: Ft Ord; CA	

Total Metals Analysis

Analyte	Result	LOQ	LOD	DL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.0 U	5.0	2.0	1.1	ug/l	1	10/11/18	10/12/18 LM	SW846 6010C ¹	SW846 3010A ²

(1) Instrument QC Batch: MA15293

(2) Prep QC Batch: MP34490

LOQ = Limit of Quantitation DL = Detection Limit U = Indicates a result < LOD
 LOD = Limit of Detection B = Analyte found in associated blank J = Indicates a result > = DL (MDL) but < LOQ

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5 Limits



ACCUTEST

SGS Accutest Southeast Chain of Custody

4405 Vineland Road, Suite C-15 Orlando, FL 32811
TEL: 407-425-6700 FAX: 407-425-0707
www.accutest.com

FA58023

SGS ACCUTEST JOB #:

PAGE 2 OF 3

Client / Reporting Information			Project Information			Analytical Information										Matrix Codes		
Company Name:			Project Name:			Lead by G.D.D.C.										DW - Drinking Water		
Address:			Street:													GW - Ground Water		
City:		State:	Zip:	City:												State:	WW - Water	
Project Contact:			Project #:													SW - Surface Water		
Phone #:			Fax #:													SO - Soil		
Sampler(s) Name(s) (Printed)			Client Purchase Order #			SL - Sludge												
Sampler 1:			Sampler 2:			OI - Oil												
SGS Accutest Sample #	Field ID / Point of Collection	DATE	TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	OTHER	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB	LAB USE ONLY
13	33-0150230000	9/25/18	1420	FA	SO	1												HOLD
14	33-0150230001		1431															HOLD
15	33-0150230002		1459															HOLD
16	33-0150240000	9/26/18	0900															HOLD
17	33-0150240001		0914															HOLD
18	33-0150240002		0942															HOLD
19	33-0150250000		1121															HOLD
20	33-0150250001		1135															HOLD
21	33-0150250002		1158															HOLD
22	33-0150260000		1311															HOLD
23	33-0150260001		1326															HOLD
24	33-0150260002		1355															HOLD
Turnaround Time (Business days)			Data Deliverable Information			Comments / Remarks												
<input checked="" type="checkbox"/> 10 Day (Business) <input type="checkbox"/> 7 Day <input type="checkbox"/> 5 Day <input type="checkbox"/> 3 Day RUSH <input type="checkbox"/> 2 Day RUSH <input type="checkbox"/> 1 Day RUSH <input type="checkbox"/> Other			Approved By: / Date:			<input type="checkbox"/> COMMERCIAL "A" (RESULTS ONLY) <input type="checkbox"/> COMMERCIAL "B" (RESULTS PLUS QC) <input type="checkbox"/> REDT1 (EPA LEVEL 3) <input type="checkbox"/> FULLT1 (EPA LEVEL 4) <input type="checkbox"/> EDD'S												
Rush T/A Data Available Via Email or Lablink			Sample Custody must be documented below each time samples change possession, including courier delivery.															
Relinquished by Sampler/Affiliation		Date Time:	Received By/Affiliation		Date Time:	Relinquished By/Affiliation		Date Time:	Received By/Affiliation		Date Time:	Relinquished By/Affiliation		Date Time:	Received By/Affiliation			
[Signature]		9/27/18 1630	2 FedEx			3 FY			4 [Signature]		9/29/18 945	5			6			
Relinquished by/Affiliation		Date Time:	Received By/Affiliation		Date Time:	Relinquished By/Affiliation		Date Time:	Received By/Affiliation		Date Time:	Relinquished By/Affiliation		Date Time:	Received By/Affiliation			
5			6			7			8			9			10			
Lab Use Only: Cooler Temperature (s) Celsius (corrected):										http://www.sgs.com/en/terms-and-conditions								

SGS COC Florida new art 5 2 17.xls rev 042417 SI

Effective Date 04/24/2017

FA58023: Chain of Custody

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SGS Sample Receipt Summary

Job Number: FA58023

Client: GILBANE

Project: BRA KEMRON

Date / Time Received: 9/29/2018 9:45:00 AM

Delivery Method: FX

Airbill #s:

Therm ID: IR 1;

Therm CF: -0.2;

of Coolers: 1

Cooler Temps (Raw Measured) °C: Cooler 1: (3.2);

Cooler Temps (Corrected) °C: Cooler 1: (3.0);

Cooler Information

	Y	or	N
1. Custody Seals Present	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Custody Seals Intact	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Temp criteria achieved	<input checked="" type="checkbox"/>		<input type="checkbox"/>
4. Cooler temp verification	IR Gun		
5. Cooler media	Ice (Bag)		

Sample Information

	Y	or	N	N/A
1. Sample labels present on bottles	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Samples preserved properly	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
3. Sufficient volume/containers recvd for analysis:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Condition of sample	Intact			
5. Sample recvd within HT	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
6. Dates/Times/IDs on COC match Sample Label	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
7. VOCs have headspace	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
9. Compositing instructions clear	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
10. Voa Soil Kits/Jars received past 48hrs?	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
11. % Solids Jar received?	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
12. Residual Chlorine Present?	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Trip Blank Information

	Y	or	N	N/A
1. Trip Blank present / cooler	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Trip Blank listed on COC	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
	W	or	S	N/A
3. Type Of TB Received	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____
 Test Strip Lot #s: pH 0-3 _____ 230315 _____ pH 10-12 _____ 219813A _____ Other: (Specify) _____
 Residual Chlorine Test Strip Lot #: _____

Comments

SM001
Rev. Date 05/24/17

Technician: PETERH

Date: 9/29/2018 9:45:00 AM

Reviewer:

Date:

FA58023: Chain of Custody

Page 4 of 4

QC Evaluation: DOD QSM5 Limits

Job Number: FA58023
Account: Kemron Environmental Services, Inc
Project: Ft Ord; CA
Collected: 09/25/18 thru 09/26/18

QC Sample ID	CAS#	Analyte	Sample Type	Result Type	Result	Units	Limits
MP34490	SW846 6010C						
MP34490-B1	7439-92-1	Lead	BSP	REC	94.2	%	86-113
MP34490-S1*	7439-92-1	Lead	MS	REC	93.6	%	86-113
MP34490-S2*	7439-92-1	Lead	MSD	REC	93.6	%	86-113
MP34490-S2*	7439-92-1	Lead	MSD	RPD	0	%	20
MP34490-D1*	7439-92-1	Lead	DUP	RPD	0	%	20
MP34493	SW846 6010C						
MP34493-B1	7439-92-1	Lead	BSP	REC	95	%	81-112
MP34493-S1	7439-92-1	Lead	MS	REC	152.4 ^a	%	81-112
MP34493-S2	7439-92-1	Lead	MSD	REC	151.9 ^a	%	81-112
MP34493-S2	7439-92-1	Lead	MSD	RPD	.2	%	20
MP34493-D1	7439-92-1	Lead	DUP	RPD	1.9	%	20
MP34493-D2	7439-92-1	Lead	DUP	RPD	12.3	%	20

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

* Sample used for QC is not from job FA58023

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA58023
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB101218M1.ICP Date Analyzed: 10/12/18 Methods: SW846 6010C
Analyst: LM Run ID: MA15293
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:05	MA15293-STD1	1		STDA
08:09	MA15293-STD2	1		STDB
08:16	MA15293-STD3	1		STDC
08:19	MA15293-STD4	1		STDD
08:23	MA15293-HSTD1	1		
08:27	MA15293-ICV1	1		
08:33	MA15293-ICB1	1		
08:37	MA15293-CRIA1	1		
08:41	MA15293-ICSA1	1		
08:49	MA15293-ICSAB1	1		
08:55	MA15293-CCV1	1		
09:01	MA15293-CCB1	1		
09:06	MP34489-MB1	1		
09:10	MP34489-B1	1		
09:14	FA58267-1L	1		(sample used for QC only; not part of login FA58023)
09:19	MP34489-D1	1		
09:23	MP34489-SD1	5		
09:28	MP34489-S1	1		
09:32	MP34489-S2	1		
09:36	ZZZZZZ	1		
09:41	ZZZZZZ	1		
09:45	ZZZZZZ	1		
09:49	MA15293-CCV2	1		
09:53	MA15293-CCB2	1		
09:58	ZZZZZZ	1		
10:02	ZZZZZZ	1		
10:07	ZZZZZZ	1		
10:11	ZZZZZZ	1		
10:16	MP34489-D2	1		
10:20	MP34489-MB2	1		
10:24	MP34489-B2	1		
10:29	MP34489-MB3	1		
10:33	MP34489-B3	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA58023
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB101218M1.ICP Date Analyzed: 10/12/18 Methods: SW846 6010C
Analyst: LM Run ID: MA15293
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:37	MP34491-MB1	1		
10:42	MA15293-CCV3	1		
10:46	MA15293-CCB3	1		
11:14	MA15293-CCV4	1		
11:20	MA15293-CCB4	1		
11:23	MP34491-B1	1		
11:28	FA58183-13	1		(sample used for QC only; not part of login FA58023)
11:32	MP34491-D1	1		
11:36	MP34491-SD1	5		
11:41	MP34491-PS1	1		
11:45	MP34491-S1	1		
11:49	MP34491-S2	1		
11:54	ZZZZZZ	5		
11:58	ZZZZZZ	5		
12:03	ZZZZZZ	5		
12:07	MA15293-CCV5	1		
12:11	MA15293-CCB5	1		
12:16	ZZZZZZ	5		
12:21	ZZZZZZ	5		
12:25	ZZZZZZ	1		
12:30	ZZZZZZ	1		
12:34	MP34490-MB1	1		
12:38	MP34490-B1	1		
12:43	FA58183-4	1		(sample used for QC only; not part of login FA58023)
12:47	MP34490-D1	1		
12:52	MP34490-SD1	5		
12:56	MP34490-PS1	1		
13:00	MA15293-CCV6	1		
13:05	MA15293-CCB6	1		
13:09	MP34490-S1	1		
13:13	MP34490-S2	1		
13:17	FA58023-25	1		
13:22	FA58023-26	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA58023
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB101218M1.ICP Date Analyzed: 10/12/18 Methods: SW846 6010C
Analyst: LM Run ID: MA15293
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:26	ZZZZZZ	1		
13:31	ZZZZZZ	1		
13:35	ZZZZZZ	1		
13:40	ZZZZZZ	5		
13:44	ZZZZZZ	5		
13:49	ZZZZZZ	5		
13:53	MA15293-CCV7	1		
13:58	MA15293-CCB7	1		
14:02	ZZZZZZ	5		
14:07	ZZZZZZ	5		
14:11	ZZZZZZ	5		
14:16	ZZZZZZ	5		
14:21	ZZZZZZ	5		
14:25	ZZZZZZ	5		
14:30	ZZZZZZ	5		
14:34	ZZZZZZ	5		
14:43	ZZZZZZ	5		
14:47	ZZZZZZ	5		
14:52	MA15293-CCV8	1		
14:56	MA15293-CCB8	1		
15:00	ZZZZZZ	5		
15:05	MP34493-MB1	5		
15:10	MP34493-B1	5		
15:14	FA58023-7	10		
15:18	MP34493-D1	10		
15:23	MP34493-SD1	50		
15:27	MP34493-PS1	10		
15:31	MP34493-S1	10		
15:36	MP34493-S2	10		
15:40	MP34493-D2	10		
15:44	MA15293-CCV9	1		
15:49	MA15293-CCB9	1		
15:53	FA58023-1	10		

SGS Instrument Runlog
Inorganics Analyses

Login Number: FA58023
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB101218M1.ICP Date Analyzed: 10/12/18 Methods: SW846 6010C
Analyst: LM Run ID: MA15293
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
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15:57	FA58023-4	10		
16:02	FA58023-10	10		
16:06	FA58023-13	10		
16:11	FA58023-16	10		
16:15	FA58023-19	10		
16:19	FA58023-22	10		
----->	Last reportable sample/prep for job FA58023			
16:24	MA15293-CCV10	1		
16:28	MA15293-CCB10	1		
----->	Last reportable CCB for job FA58023			
	Refer to raw data for calibration curve and standards.			

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REPORTED ELEMENTS SUMMARY

Login Number: FA58023
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB101218M1.ICP Date Analyzed: 10/12/18 Methods: SW846 6010C
 Analyst: LM Run ID: MA15293
 Parameters: Pb

Time	Sample Description	Element: P Dilution b
08:23	MA15293-HSTD1	1 X
08:27	MA15293-ICV1	1 X
08:33	MA15293-ICB1	1 X
08:37	MA15293-CRIA1	1 X
08:41	MA15293-ICSA1	1 X
08:49	MA15293-ICSAB1	1 X
08:55	MA15293-CCV1	1 X
09:01	MA15293-CCB1	1 X
09:06	MP34489-MB1	1 X
09:10	MP34489-B1	1 X
09:14	FA58267-1L	1 (a)
09:19	MP34489-D1	1 X
09:23	MP34489-SD1	5 X
09:28	MP34489-S1	1 X
09:32	MP34489-S2	1 X
09:36	ZZZZZ	1
09:41	ZZZZZ	1
09:45	ZZZZZ	1
09:49	MA15293-CCV2	1 X
09:53	MA15293-CCB2	1 X
09:58	ZZZZZ	1
10:02	ZZZZZ	1
10:07	ZZZZZ	1
10:11	ZZZZZ	1
10:16	MP34489-D2	1 X
10:20	MP34489-MB2	1 X
10:24	MP34489-B2	1 X
10:29	MP34489-MB3	1 X
10:33	MP34489-B3	1 X
10:37	MP34491-MB1	1 X
10:42	MA15293-CCV3	1 X
10:46	MA15293-CCB3	1 X
11:14	MA15293-CCV4	1 X
	Element: P	b

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REPORTED ELEMENTS SUMMARY

Login Number: FA58023
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB101218M1.ICP Date Analyzed: 10/12/18 Methods: SW846 6010C
 Analyst: LM Run ID: MA15293
 Parameters: Pb

Time	Sample Description	Element: P Dilution b
11:20	MA15293-CCB4	1 X
11:23	MP34491-B1	1 X
11:28	FA58183-13	1 (a)
11:32	MP34491-D1	1 X
11:36	MP34491-SD1	5 X
11:41	MP34491-PS1	1 X
11:45	MP34491-S1	1 X
11:49	MP34491-S2	1 X
11:54	ZZZZZ	5
11:58	ZZZZZ	5
12:03	ZZZZZ	5
12:07	MA15293-CCV5	1 X
12:11	MA15293-CCB5	1 X
12:16	ZZZZZ	5
12:21	ZZZZZ	5
12:25	ZZZZZ	1
12:30	ZZZZZ	1
12:34	MP34490-MB1	1 X
12:38	MP34490-B1	1 X
12:43	FA58183-4	1 (a)
12:47	MP34490-D1	1 X
12:52	MP34490-SD1	5 X
12:56	MP34490-PS1	1 X
13:00	MA15293-CCV6	1 X
13:05	MA15293-CCB6	1 X
13:09	MP34490-S1	1 X
13:13	MP34490-S2	1 X
13:17	FA58023-25	1 X
13:22	FA58023-26	1 X
13:26	ZZZZZ	1
13:31	ZZZZZ	1
13:35	ZZZZZ	1
13:40	ZZZZZ	5
		Element: P b

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REPORTED ELEMENTS SUMMARY

Login Number: FA58023
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB101218M1.ICP Date Analyzed: 10/12/18 Methods: SW846 6010C
 Analyst: LM Run ID: MA15293
 Parameters: Pb

Time	Sample Description	Element: P Dilution b
13:44	ZZZZZZ	5
13:49	ZZZZZZ	5
13:53	MA15293-CCV7	1 X
13:58	MA15293-CCB7	1 X
14:02	ZZZZZZ	5
14:07	ZZZZZZ	5
14:11	ZZZZZZ	5
14:16	ZZZZZZ	5
14:21	ZZZZZZ	5
14:25	ZZZZZZ	5
14:30	ZZZZZZ	5
14:34	ZZZZZZ	5
14:43	ZZZZZZ	5
14:47	ZZZZZZ	5
14:52	MA15293-CCV8	1 X
14:56	MA15293-CCB8	1 X
15:00	ZZZZZZ	5
15:05	MP34493-MB1	5 X
15:10	MP34493-B1	5 X
15:14	FA58023-7	10 X
15:18	MP34493-D1	10 X
15:23	MP34493-SD1	50 X
15:27	MP34493-PS1	10 X
15:31	MP34493-S1	10 X
15:36	MP34493-S2	10 X
15:40	MP34493-D2	10 X
15:44	MA15293-CCV9	1 X
15:49	MA15293-CCB9	1 X
15:53	FA58023-1	10 X
15:57	FA58023-4	10 X
16:02	FA58023-10	10 X
16:06	FA58023-13	10 X
16:11	FA58023-16	10 X
		Element: P b

REPORTED ELEMENTS SUMMARY

Login Number: FA58023
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB101218M1.ICP Date Analyzed: 10/12/18 Methods: SW846 6010C
Analyst: LM Run ID: MA15293
Parameters: Pb

Time	Sample Description	Element: P Dilution b
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16:15	FA58023-19	10 X
16:19	FA58023-22	10 X
16:24	MA15293-CCV10	1 X
16:28	MA15293-CCB10	1 X

(a) Sample used for QC only; not part of login FA58023.

Element: P
b

INTERNAL STANDARD SUMMARY

Login Number: FA58023
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB101218M1.ICP Date Analyzed: 10/12/18 Methods: SW846 6010C
 Analyst: LM Run ID: MA15293
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:05	MA15293-STD1	2286	20869	1704	939
08:09	MA15293-STD2	2272	20339	1714	867
08:16	MA15293-STD3	2197	19706	1701	790
08:19	MA15293-STD4	2122	19170	1726	738
08:23	MA15293-HSTD1	2112	19159	1712	737
08:27	MA15293-ICV1	2171	19566	1710	786
08:33	MA15293-ICB1	2291 R	20533 R	1730 R	939 R
08:37	MA15293-CRIA1	2249	20102	1718	886
08:41	MA15293-ICSA1	2052	17953	1704	697
08:49	MA15293-ICSAB1	2021	17719	1678	684
08:55	MA15293-CCV1	2202	19462	1725	789
09:01	MA15293-CCB1	2280	20147	1744	931
09:06	MP34489-MB1	2302	20588	1755	934
09:10	MP34489-B1	2243	19781	1718	832
09:14	FA58267-1L	2176	19172	1745	808
09:19	MP34489-D1	2175	19056	1734	806
09:23	MP34489-SD1	2249	19713	1736	866
09:28	MP34489-S1	2180	18961	1737	776
09:32	MP34489-S2	2187	18884	1752	775
09:36	ZZZZZZ	2187	18954	1739	813
09:41	ZZZZZZ	2178	19130	1746	811
09:45	ZZZZZZ	2188	19163	1747	806
09:49	MA15293-CCV2	2213	19302	1736	788
09:53	MA15293-CCB2	2302	20415	1742	935
09:58	ZZZZZZ	2144	19030	1762	810
10:02	ZZZZZZ	2180	19021	1743	810
10:07	ZZZZZZ	2141	18896	1760	810
10:11	ZZZZZZ	2155	18964	1734	806
10:16	MP34489-D2	2173	18855	1740	801
10:20	MP34489-MB2	2179	18944	1733	810
10:24	MP34489-B2	2188	18897	1751	776
10:29	MP34489-MB3	2310	20023	1774	929
10:33	MP34489-B3	2256	19379	1777	826

INTERNAL STANDARD SUMMARY

Login Number: FA58023
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB101218M1.ICP Date Analyzed: 10/12/18 Methods: SW846 6010C
 Analyst: LM Run ID: MA15293
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:37	MP34491-MB1	2321	20089	1784	931
10:42	MA15293-CCV3	2203	18791	1735	774
10:46	MA15293-CCB3	2298	19441	1777	919
11:14	MA15293-CCV4	2206	19165	1743	781
11:20	MA15293-CCB4	2281	20131	1733	925
11:23	MP34491-B1	2189	19357	1706	809
11:28	FA58183-13	2211	19437	1737	843
11:32	MP34491-D1	2219	19629	1745	843
11:36	MP34491-SD1	2276	19887	1748	897
11:41	MP34491-PS1	2209	19390	1731	823
11:45	MP34491-S1	2198	19219	1720	785
11:49	MP34491-S2	2199	19216	1706	789
11:54	ZZZZZZ	2030	17741	1669	710
11:58	ZZZZZZ	2038	17946	1701	726
12:03	ZZZZZZ	2017	17767	1685	719
12:07	MA15293-CCV5	2201	19402	1737	784
12:11	MA15293-CCB5	2286	20207	1755	926
12:16	ZZZZZZ	1930	16586	1705	661
12:21	ZZZZZZ	1871	16029	1694	633
12:25	ZZZZZZ	2236	19737	1764	862
12:30	ZZZZZZ	2210	19380	1735	853
12:34	MP34490-MB1	2302	20282	1777	926
12:38	MP34490-B1	2234	19464	1754	820
12:43	FA58183-4	2282	19934	1783	892
12:47	MP34490-D1	2284	20005	1774	894
12:52	MP34490-SD1	2268	19863	1745	902
12:56	MP34490-PS1	2261	19848	1763	858
13:00	MA15293-CCV6	2204	19283	1727	783
13:05	MA15293-CCB6	2283	19922	1756	923
13:09	MP34490-S1	2264	19596	1771	819
13:13	MP34490-S2	2270	19538	1777	820
13:17	FA58023-25	2245	19482	1757	865
13:22	FA58023-26	2251	19629	1760	865

INTERNAL STANDARD SUMMARY

Login Number: FA58023
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB101218M1.ICP Date Analyzed: 10/12/18 Methods: SW846 6010C
 Analyst: LM Run ID: MA15293
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:26	ZZZZZZ	2208	19252	1746	848
13:31	ZZZZZZ	2237	19305	1765	855
13:35	ZZZZZZ	2248	19589	1785	858
13:40	ZZZZZZ	1758	14895	1681	580
13:44	ZZZZZZ	1838	15541	1712	613
13:49	ZZZZZZ	1945	16282	1717	658
13:53	MA15293-CCV7	2233	19128	1790	789
13:58	MA15293-CCB7	2274	19640	1766	914
14:02	ZZZZZZ	1878	15943	1711	634
14:07	ZZZZZZ	1859	15783	1737	626
14:11	ZZZZZZ	1864	15884	1690	630
14:16	ZZZZZZ	2006	17196	1727	690
14:21	ZZZZZZ	1858	15689	1697	627
14:25	ZZZZZZ	1982	17006	1714	681
14:30	ZZZZZZ	2031	17355	1763	697
14:34	ZZZZZZ	2100	18138	1742	755
14:43	ZZZZZZ	1914	16273	1716	650
14:47	ZZZZZZ	1833	15512	1728	612
14:52	MA15293-CCV8	2196	19102	1786	779
14:56	MA15293-CCB8	2259	19599	1750	910
15:00	ZZZZZZ	1819	15477	1706	611
15:05	MP34493-MB1	2254	19864	1776	906
15:10	MP34493-B1	2242	19501	1777	864
15:14	FA58023-7	2261	19625	1784	865
15:18	MP34493-D1	2265	19504	1756	866
15:23	MP34493-SD1	2255	19453	1741	889
15:27	MP34493-PS1	2267	19520	1753	863
15:31	MP34493-S1	2309	19786	1784	861
15:36	MP34493-S2	2270	19436	1760	846
15:40	MP34493-D2	2273	19466	1762	866
15:44	MA15293-CCV9	2188	18634	1735	771
15:49	MA15293-CCB9	2268	19534	1766	910
15:53	FA58023-1	2313	19499	1806	863

INTERNAL STANDARD SUMMARY

Login Number: FA58023
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB101218M1.ICP Date Analyzed: 10/12/18 Methods: SW846 6010C
 Analyst: LM Run ID: MA15293
 Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:57	FA58023-4	2320	19584	1794	883
16:02	FA58023-10	2307	19437	1782	876
16:06	FA58023-13	2314	19536	1780	880
16:11	FA58023-16	2313	19545	1782	878
16:15	FA58023-19	2304	19427	1812	867
16:19	FA58023-22	2318	19358	1802	866
16:24	MA15293-CCV10	2198	18401	1752	768
16:28	MA15293-CCB10	2291	19198	1782	914

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	60-125 %
Istd#2	Yttrium (3600)	60-125 %
Istd#3	Yttrium (3710)	60-125 %
Istd#4	Indium	60-125 %

6.1.2
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BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA58023
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB101218M1.ICP Date Analyzed: 10/12/18 Methods: SW846 6010C
QC Limits: result < RL Run ID: MA15293 Units: ug/l

Metal	RL	IDL	08:33	09:01		09:53		10:46						
			ICB1	raw	final	CCB1	raw	final	CCB2	raw	final	CCB3	raw	final
Aluminum	200	14	anr											
Antimony	6.0	1												
Arsenic	10	1.3	anr											
Barium	200	1	anr											
Beryllium	4.0	.2												
Cadmium	5.0	.2	anr											
Calcium	1000	50												
Chromium	10	1	anr											
Cobalt	50	.2												
Copper	25	1												
Iron	300	17	anr											
Lead	5.0	1	-0.800	<5.0	0.300	<5.0	-0.100	<5.0	-0.100	<5.0				
Magnesium	5000	35												
Manganese	15	.5												
Molybdenum	50	.3												
Nickel	40	.4												
Potassium	10000	200												
Selenium	10	2.4	anr											
Silver	10	.7	anr											
Sodium	10000	500												
Strontium	10	.5												
Thallium	10	1.1												
Tin	50	.9												
Titanium	10	.5												
Vanadium	50	.5												
Zinc	20	3												

(*) Outside of QC limits
(anr) Analyte not requested

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BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA58023
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB101218M1.ICP Date Analyzed: 10/12/18 Methods: SW846 6010C
 QC Limits: result < RL Run ID: MA15293 Units: ug/l

Metal	RL	IDL	11:20	12:11		13:05		13:58		
			CCB4	raw	final	raw	final	raw	final	raw
Aluminum	200	14	anr							
Antimony	6.0	1								
Arsenic	10	1.3	anr							
Barium	200	1	anr							
Beryllium	4.0	.2								
Cadmium	5.0	.2	anr							
Calcium	1000	50								
Chromium	10	1	anr							
Cobalt	50	.2								
Copper	25	1								
Iron	300	17	anr							
Lead	5.0	1	0.300	<5.0	0.200	<5.0	0.500	<5.0	0.300	<5.0
Magnesium	5000	35								
Manganese	15	.5								
Molybdenum	50	.3								
Nickel	40	.4								
Potassium	10000	200								
Selenium	10	2.4	anr							
Silver	10	.7	anr							
Sodium	10000	500								
Strontium	10	.5								
Thallium	10	1.1								
Tin	50	.9								
Titanium	10	.5								
Vanadium	50	.5								
Zinc	20	3								

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.3

6

BLANK RESULTS SUMMARY
 Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA58023
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB101218M1.ICP Date Analyzed: 10/12/18 Methods: SW846 6010C
 QC Limits: result < RL Run ID: MA15293 Units: ug/l

Metal	RL	IDL	14:56		15:49		16:28	
			CCB8	final	CCB9	final	CCB10	final
Aluminum	200	14	anr					
Antimony	6.0	1						
Arsenic	10	1.3	anr					
Barium	200	1	anr					
Beryllium	4.0	.2						
Cadmium	5.0	.2	anr					
Calcium	1000	50						
Chromium	10	1	anr					
Cobalt	50	.2						
Copper	25	1						
Iron	300	17	anr					
Lead	5.0	1	0.00	<5.0	-0.600	<5.0	0.900	<5.0
Magnesium	5000	35						
Manganese	15	.5						
Molybdenum	50	.3						
Nickel	40	.4						
Potassium	10000	200						
Selenium	10	2.4	anr					
Silver	10	.7	anr					
Sodium	10000	500						
Strontium	10	.5						
Thallium	10	1.1						
Tin	50	.9						
Titanium	10	.5						
Vanadium	50	.5						
Zinc	20	3						

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.3
 6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA58023
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB101218M1.ICP Date Analyzed: 10/12/18 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15293 Units: ug/l

Metal	Sample ID: ICV	08:27		CCV	08:55		CCV	09:49	
		ICV1	Results % Rec		CCV1	Results % Rec		CCV2	Results % Rec
Aluminum	anr								
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper									
Iron	anr								
Lead	2000	1980	99.0	2000	2000	100.0	2000	2020	101.0
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

6.1.4
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA58023
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB101218M1.ICP Date Analyzed: 10/12/18 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15293 Units: ug/l

Metal	Sample ID: CCV	10:42 CCV3		CCV	11:14 CCV4		CCV	12:07 CCV5	
		True	Results % Rec		True	Results % Rec		True	Results % Rec
Aluminum	anr								
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper									
Iron	anr								
Lead	2000	2070	103.5	2000	1990	99.5	2000	1980	99.0
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

6.1.4
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA58023
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB101218M1.ICP Date Analyzed: 10/12/18 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15293 Units: ug/l

Metal	Sample ID: CCV	13:00		CCV	13:53		CCV	14:52	
		CCV6	Results		CCV7	Results		CCV8	Results
	True		% Rec	True		% Rec	True		% Rec
Aluminum	anr								
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper									
Iron	anr								
Lead	2000	1990	99.5	2000	1970	98.5	2000	1980	99.0
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

6.1.4
6

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA58023
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB101218M1.ICP Date Analyzed: 10/12/18 Methods: SW846 6010C
QC Limits: 90 to 110 % Recovery Run ID: MA15293 Units: ug/l

Metal	Sample ID:	15:44		16:24		
		CCV	CCV9	CCV	CCV10	
	True	Results	% Rec	True	Results	% Rec
Aluminum	anr					
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper						
Iron	anr					
Lead	2000	2000	100.0	2000	2020	101.0
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: FA58023
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB101218M1.ICP Date Analyzed: 10/12/18 Methods: SW846 6010C
 QC Limits: 95 to 105 % Recovery Run ID: MA15293 Units: ug/l

Time:	08:23		
Sample ID:	HSTD HSTD1		
Metal	True	Results	% Rec
Aluminum	anr		
Antimony			
Arsenic	anr		
Barium	anr		
Beryllium			
Cadmium	anr		
Calcium			
Chromium	anr		
Cobalt			
Copper			
Iron	anr		
Lead	4000	3990	99.8
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium	anr		
Silver	anr		
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.5
 6

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA58023
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

File ID: SB101218M1.ICP Date Analyzed: 10/12/18 Methods: SW846 6010C
 QC Limits: CRI 70-130% CRIA 70-130% Run ID: MA15293 Units: ug/l

Time:	Sample ID:	CRI	CRIA	08:37 CRIA1	Results	% Rec
Metal	True	True	True	True	True	True
Aluminum	400	200	anr			
Antimony	10	5.0				
Arsenic	20	10	anr			
Barium	400	200	anr			
Beryllium	10	5.0				
Cadmium	10	5.0	anr			
Calcium	2000	1000				
Chromium	20	10	anr			
Cobalt	100	50				
Copper	50	25				
Iron	600	300	anr			
Lead	10	5.0	4.50	90.0		
Magnesium	10000	5000				
Manganese	30	15				
Molybdenum	100	50				
Nickel	80	40				
Potassium	20000	10000				
Selenium	20	10	anr			
Silver	20	10	anr			
Sodium	20000	10000				
Strontium	20	10				
Thallium	20	10				
Tin	100	50				
Titanium	20	10				
Vanadium	100	50				
Zinc	40	20				

(*) Outside of QC limits
 (anr) Analyte not requested

6.1.6
6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA58023
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

File ID: SB101218M1.ICP Date Analyzed: 10/12/18 Methods: SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA15293 Units: ug/l

Time:			08:41			08:49
Sample ID:	ICSA	ICSAB	ICSAL	% Rec	ICSAB1	% Rec
Metal	True	True	Results		Results	
Aluminum	500000	500000	491000	98.2	501000	100.2
Antimony		1000	1.50		927	92.7
Arsenic		1000	-0.100		967	96.7
Barium		500	0.00		512	102.4
Beryllium		500	-0.200		508	101.6
Cadmium		1000	0.00		943	94.3
Calcium	500000	500000	460000	92.0	469000	93.8
Chromium		500	0.00		499	99.8
Cobalt		500	-0.400		479	95.8
Copper		500	0.00		541	108.2
Iron	200000	200000	183000	91.5	188000	94.0
Lead		1000	0.300		967	96.7
Magnesium	500000	500000	495000	99.0	509000	101.8
Manganese		500	0.700		501	100.2
Molybdenum		1000	0.100		853	85.3
Nickel		1000	0.00		954	95.4
Potassium			13.8		0.400	
Selenium		1000	0.600		910	91.0
Silver		1000	0.200		1090	109.0
Sodium			23.2		12.9	
Strontium		1000	-0.400		950	95.0
Thallium		1000	1.80		889	88.9
Tin		1000	0.700		833	83.3
Titanium		1000	0.200		953	95.3
Vanadium		500	0.00		494	98.8
Zinc		1000	-1.50		944	94.4

(*) Outside of QC limits
(anr) Analyte not requested

6.1.7
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA58023
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP34490
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/11/18

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	14	14		
Antimony	6.0	1	1		
Arsenic	10	1.3	1.3		
Barium	200	1	1		
Beryllium	4.0	.2	.2		
Cadmium	5.0	.2	.2		
Calcium	1000	50	50		
Chromium	10	1	1		
Cobalt	50	.2	.2		
Copper	25	1	1		
Iron	300	17	17		
Lead	5.0	1	1.1	0.30	<5.0
Magnesium	5000	35	35		
Manganese	15	.5	1		
Molybdenum	50	.3	.3		
Nickel	40	.4	.4		
Potassium	10000	200	200		
Selenium	10	2.4	2.9		
Silver	10	.7	.7		
Sodium	10000	500	500		
Strontium	10	.5	.5		
Thallium	10	1.1	1.4		
Tin	50	.9	1		
Titanium	10	.5	1		
Vanadium	50	.5	.6		
Zinc	20	3	4.4		

Associated samples MP34490: FA58023-25, FA58023-26

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA58023
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP34490
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 10/11/18 10/11/18

Metal	FA58183-4 Original	DUP	RPD	QC Limits	FA58183-4 Original MS	Spikelot MPFLICP2	% Rec	QC Limits	
Aluminum	anr								
Antimony									
Arsenic	anr								
Barium	anr								
Beryllium									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper									
Iron	anr								
Lead	0.0	0.0	NC	0-20	0.0	468	500	93.6	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP34490: FA58023-25, FA58023-26

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.2.2
6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA58023
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP34490
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 10/11/18

Metal	FA58183-4 Original MSD	SpikeLot MPFLICP2 % Rec	MSD RPD	QC Limit		
Aluminum	anr					
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper						
Iron	anr					
Lead	0.0	468	500	93.6	0.0	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP34490: FA58023-25, FA58023-26

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

6.2.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA58023
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP34490
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 10/11/18

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum	anr			
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper				
Iron	anr			
Lead	471	500	94.2	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP34490: FA58023-25, FA58023-26

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.2.3

6

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA58023
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP34490
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 10/11/18

Metal	FA58183-4 Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr			
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper				
Iron	anr			
Lead	0.00	0.00	NC	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP34490: FA58023-25, FA58023-26

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

6.2.4
6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA58023
Account: KEMCAM - Kemron Environmental Services, Inc
Project: Ft Ord; CA

QC Batch ID: MP34493
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 10/12/18

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.4	3.5		
Antimony	2.0	.1	.13		
Arsenic	1.0	.13	.2		
Barium	20	.1	.1		
Beryllium	0.50	.02	.05		
Cadmium	0.40	.02	.05		
Calcium	500	5	5		
Chromium	1.0	.1	.1		
Cobalt	5.0	.02	.05		
Copper	2.5	.1	.1		
Iron	30	1.7	1.7		
Lead	2.0	.1	.1	0.096	<2.0
Magnesium	500	3.5	3.6		
Manganese	1.5	.05	.05		
Molybdenum	5.0	.03	.05		
Nickel	4.0	.04	.05		
Potassium	1000	20	20		
Selenium	2.0	.24	.24		
Silver	1.0	.07	.082		
Sodium	1000	50	50		
Strontium	1.0	.05	.05		
Thallium	1.0	.11	.11		
Tin	5.0	.09	.09		
Titanium	1.0	.05	.05		
Vanadium	5.0	.05	.05		
Zinc	2.0	.3	.3		

Associated samples MP34493: FA58023-1, FA58023-4, FA58023-7, FA58023-10, FA58023-13, FA58023-16, FA58023-19, FA58023-22

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA58023
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP34493
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 10/12/18 10/12/18

Metal	FA58023-7 Original	DUP	RPD	QC Limits	FA58023-7 Original MS	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead	51.2	52.2 (a)	1.9	0-20	51.2	66.3 (a)	9.91	152.4 (b) 80-120
Magnesium								
Manganese								
Molybdenum								
Nickel								
Potassium								
Selenium								
Silver								
Sodium								
Strontium								
Thallium								
Tin								
Titanium								
Vanadium								
Zinc								

Associated samples MP34493: FA58023-1, FA58023-4, FA58023-7, FA58023-10, FA58023-13, FA58023-16, FA58023-19, FA58023-22

Results < IDL are shown as zero for calculation purposes

- (*) Outside of QC limits
- (N) Matrix Spike Rec. outside of QC limits
- (anr) Analyte not requested
- (a) Sample dilution required due to difficult matrix.
- (b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA58023
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP34493 Methods: SW846 6010C
 Matrix Type: SOLID Units: mg/kg

Prep Date: 10/12/18 10/12/18

Metal	FA58023-7 Original MSD	SpikeLot MPFLICP2 % Rec	MSD RPD	QC Limit	FA58023-7 Original DUP	RPD	QC Limits
Aluminum							
Antimony							
Arsenic							
Barium							
Beryllium							
Cadmium							
Calcium							
Chromium							
Cobalt							
Copper							
Iron							
Lead	51.2	66.2 (a)	9.87	151.9(b)	0.2	20	51.2 57.9 (a) 12.3 0-20
Magnesium							
Manganese							
Molybdenum							
Nickel							
Potassium							
Selenium							
Silver							
Sodium							
Strontium							
Thallium							
Tin							
Titanium							
Vanadium							
Zinc							

Associated samples MP34493: FA58023-1, FA58023-4, FA58023-7, FA58023-10, FA58023-13, FA58023-16, FA58023-19, FA58023-22

Results < IDL are shown as zero for calculation purposes

- (*) Outside of QC limits
- (N) Matrix Spike Rec. outside of QC limits
- (anr) Analyte not requested
- (a) Sample dilution required due to difficult matrix.
- (b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

6.3.2
6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA58023
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP34493
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 10/12/18

Metal	BSP Result	Spikelot MPFLICP2	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	9.5	10	95.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP34493: FA58023-1, FA58023-4, FA58023-7, FA58023-10, FA58023-13, FA58023-16, FA58023-19, FA58023-22

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA58023
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP34493
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 10/12/18

Metal	FA58023-7	QC
	Original	Limits
	SDL 10:50%DIF	

Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	2560	2440	5.0	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP34493: FA58023-1, FA58023-4, FA58023-7, FA58023-10, FA58023-13, FA58023-16, FA58023-19, FA58023-22

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

POST DIGESTATE SPIKE SUMMARY

Login Number: FA58023
 Account: KEMCAM - Kemron Environmental Services, Inc
 Project: Ft Ord; CA

QC Batch ID: MP34493 Methods: SW846 6010C
 Matrix Type: SOLID Units: ug/l

Prep Date: 10/12/18

Metal	Sample ml	Final ml	FA58023-7 Raw	PS Corr.** ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead	9.8	10	2563	2511.74	2648	0.2	2.5	50	272.5*(a) 80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP34493: FA58023-1, FA58023-4, FA58023-7, FA58023-10, FA58023-13, FA58023-16, FA58023-19, FA58023-22

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(**) Corr. sample result = Raw * (sample volume / final volume)

(anr) Analyte not requested

(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

Instrument Detection Limits

Job Number: FA58023
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE2	Effective Date: 01/27/15
--------------------------------	---------------------------------

Analyte	IDL ug/l
Aluminum	14
Antimony	1
Arsenic	1.3
Barium	1
Beryllium	.2
Cadmium	.2
Calcium	50
Chromium	1
Cobalt	.2
Copper	1
Iron	17
Lead	1
Magnesium	35
Manganese	.5
Molybdenum	.3
Nickel	.4
Potassium	200
Selenium	2.4
Silicon	5
Silver	.7
Sodium	500
Strontium	.5
Sulfur	5
Thallium	1.1
Tin	.9
Titanium	.5
Vanadium	.5
Zinc	3

The above applies to the following instrument runs:
MA15293

6.4
6

Instrument Linear Ranges

Job Number: FA58023
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Instrument ID: SSTRACE2	Effective Date: 10/22/10
--------------------------------	---------------------------------

Analyte	Linear Range ug/l
Aluminum	500000
Antimony	10000
Arsenic	10000
Barium	10000
Beryllium	10000
Cadmium	10000
Calcium	500000
Chromium	10000
Cobalt	10000
Copper	10000
Iron	500000
Lead	10000
Magnesium	500000
Manganese	10000
Molybdenum	10000
Nickel	10000
Potassium	80000
Selenium	10000
Silver	1000
Sodium	80000
Strontium	10000
Thallium	10000
Tin	10000
Titanium	10000
Vanadium	10000
Zinc	10000

The above applies to the following instrument runs:
MA15293

6.4
6

Metals Analysis

Raw Data

Sample Name: PA Acquired: 10/12/2018 7:51:11 Type: Unk
 Method: 60102007_041712(v496) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	F.5557	89.11	F.4.302	F.4.212	F.4.197	99.62	F.4.465	F.4.140	F.4.702
Stddev	.0019	.17	.006	.018	.014	.29	.014	.007	.021
%RSD	.3418	.1929	.1509	.4213	.3313	.2895	.3067	.1793	.4529
#1	.5567	89.30	4.295	4.224	4.210	99.94	4.450	4.131	4.727
#2	.5568	88.96	4.307	4.192	4.182	99.39	4.476	4.146	4.691
#3	.5535	89.08	4.305	4.221	4.198	99.54	4.470	4.142	4.689
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	3.953	84.12	F91.80	101.9	F4.777	3.909	F85.94	F4.259	F4.998
Stddev	.009	.30	.25	.6	.013	.015	.12	.007	.004
%RSD	.2193	.3570	.2769	.5520	.2627	.3759	.1367	.1547	.0799
#1	3.960	84.46	92.02	102.3	4.790	3.892	86.07	4.251	5.001
#2	3.957	83.96	91.52	101.3	4.765	3.914	85.86	4.263	4.993
#3	3.943	83.93	91.86	102.2	4.777	3.920	85.89	4.262	5.000
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	3.759	F4.128	3.971	*****	F4.022	F4.123	F4.489	F4.555	F5.099
Stddev	.011	.008	.007	-----	.004	.012	.009	.007	.012
%RSD	.2891	.1910	.1658	-----	.1130	.2944	.2017	.1514	.2339
#1	3.750	4.135	3.967	-----	4.026	4.133	4.489	4.563	5.085
#2	3.771	4.130	3.978	-----	4.017	4.126	4.480	4.550	5.109
#3	3.756	4.120	3.967	-----	4.023	4.110	4.498	4.552	5.102
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	737.14	2112.4	19450.	1672.2					
Stddev	2.66	6.3	60.	1.6					
%RSD	.36097	.29925	.30960	.09646					
#1	738.18	2118.7	19381.	1670.6					
#2	739.13	2112.3	19493.	1672.3					
#3	734.12	2106.1	19476.	1673.8					

Raw Data MA15293 page 1 of 149

Sample Name: Blank Acquired: 10/12/2018 8:00:58 Type: Cal
 Method: 60102007_041712(v497) Mode: IR Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0003	-.0037	-.0007	.0439	-.0009	.0089	.0001	.0004	.0002
Stddev	.0001	.0020	.0001	.0044	.0005	.0007	.0005	.0001	.0001
%RSD	36.90	54.98	20.88	10.02	47.52	7.738	477.3	31.51	28.56
#1	.0002	-.0042	-.0006	.0459	-.0009	.0085	.0003	.0003	.0002
#2	.0003	-.0014	-.0007	.0469	-.0014	.0085	.0005	.0005	.0003
#3	.0003	-.0054	-.0008	.0388	-.0005	.0097	-.0005	.0005	.0002
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0027	.0012	.0008	-.0007	.0003	.0013	-.0190	-.0001	.0001
Stddev	.0001	.0009	.0051	.0005	.0001	.0003	.0031	.0004	.0007
%RSD	1.912	79.47	625.7	78.63	55.57	19.84	16.59	456.6	995.7
#1	.0026	.0007	.0022	-.0006	.0001	.0016	-.0173	.0001	-.0004
#2	.0027	.0005	-.0048	-.0013	.0002	.0012	-.0170	.0002	-.0003
#3	.0027	.0022	.0051	-.0002	.0004	.0011	-.0226	-.0005	.0009
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0002	-.0005	.0037	.0004	.0022	.0016	-.0038	-.0004	.0012
Stddev	.0004	.0002	.0001	.0001	.0015	.0001	.0002	.0002	.0003
%RSD	248.4	37.59	2.324	30.99	65.63	8.596	5.186	54.36	22.10
#1	.0004	-.0004	.0037	.0003	.0038	.0017	-.0037	-.0006	.0015
#2	-.0003	-.0004	.0037	.0004	.0018	.0014	-.0038	-.0002	.0011
#3	.0004	-.0007	.0038	.0005	.0010	.0016	-.0041	-.0004	.0010
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	943.13	2286.9	21149.	1706.6					
Stddev	1.91	6.0	47.	5.0					
%RSD	.20222	.26210	.22079	.29467					
#1	944.27	2291.5	21186.	1705.5					
#2	940.93	2280.1	21163.	1702.1					
#3	944.19	2289.2	21096.	1712.0					

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Sample Name: Blank Acquired: 10/12/2018 8:05:59 Type: Cal
 Method: 60102007_041712(v497) Mode: IR Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0002	-.0011	-.0007	.0510	.0006	.0094	-.0002	.0008	.0000
Stddev	.0002	.0015	.0002	.0022	.0006	.0010	.0003	.0005	.000
%RSD	97.04	129.5	27.58	4.358	102.7	10.24	139.1	66.94	7878.
#1	.0002	-.0003	-.0008	.0499	-.0001	.0084	-.0005	.0010	.0001
#2	.0000	-.0028	-.0005	.0495	.0009	.0103	.0001	.0020	.0000
#3	.0003	-.0002	-.0008	.0536	.0010	.0097	-.0003	.0012	-.0001
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0027	.0008	.0053	.0008	.0003	.0009	.0065	.0001	.0015
Stddev	.0003	.0003	.0061	.0012	.0001	.0001	.0045	.0002	.0012
%RSD	10.75	41.26	116.4	148.8	25.68	12.35	70.00	125.2	77.74
#1	.0028	.0007	.0099	-.0006	.0003	.0010	.0020	-.0001	.0029
#2	.0024	.0005	.0076	.0017	.0002	.0009	.0063	.0002	.0007
#3	.0029	.0012	-.0017	.0013	.0004	.0008	.0110	.0002	.0010
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0000	-.0007	.0038	.0004	.0012	.0015	-.0033	-.0003	.0011
Stddev	.000	.0002	.0002	.0003	.0028	.0002	.0002	.0001	.0001
%RSD	826.7	35.14	5.642	84.14	227.3	13.50	6.503	35.50	9.562
#1	-.0004	-.0006	.0036	.0000	.0018	.0017	-.0036	-.0002	.0012
#2	.0000	-.0010	.0039	.0006	-.0018	.0014	-.0032	-.0003	.0010
#3	.0003	-.0005	.0040	.0006	.0037	.0014	-.0032	-.0003	.0012
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	938.70	2285.6	20869.	1704.0					
Stddev	1.37	4.3	103.	2.7					
%RSD	.14559	.18837	.49425	.15891					
#1	937.81	2282.5	20988.	1702.3					
#2	940.27	2290.5	20805.	1702.5					
#3	938.02	2283.8	20814.	1707.1					

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Sample Name: LowStd Acquired: 10/12/2018 8:09:54 Type: Cal
 Method: 60102007_041712(v497) Mode: IR Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0290	1.952	.1000	5.548	5.131	3.499	2.502	1.269	1.935	.3981
Stddev	.0003	.014	.0003	.059	.027	.020	.002	.001	.0009	.0018
%RSD	1.015	.7362	.3281	1.065	.5283	.5756	.0791	.0411	.4697	.4456
#1	.0293	1.965	.1004	5.583	5.154	3.512	2.503	1.270	.192	.3997
#2	.0288	1.937	.0999	5.479	5.101	3.476	2.503	1.269	.1925	.3962
#3	.0289	1.956	.0998	5.581	5.139	3.510	2.500	1.269	.1938	.3983
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.414	2.894	.3369	1.079	.5620	8.092	.6928	.6215	.1240	.0702
Stddev	.010	.021	.0042	.001	.0001	.062	.0015	.0024	.0004	.0004
%RSD	4.087	.7315	1.235	.1264	.0251	.7641	.2129	.3888	.3515	.6069
#1	2.424	2.896	.3412	1.080	.5622	8.143	.6911	.6235	.1245	.0707
#2	2.405	2.872	.3329	1.079	.5619	8.024	.6937	.6222	.1238	.0701
#3	2.412	2.915	.3365	1.077	.5620	8.110	.6937	.6188	.1237	.0699
Elem	Si2124	Sn1899	Sr4077</							

Sample Name: MidStd Acquired: 10/12/2018 8:16:03 Type: Cal
 Method: 60102007_041712(v497) Mode: IR Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1087	7.622	.4018	21.66	20.07	13.45	9.715	4.882	.7544	1.551
Stddev	.0007	.022	.0013	.01	.05	.03	.005	.005	.0019	.003
%RSD	.6644	.2832	.3159	.0636	.2564	.2580	.0508	.0962	.2522	.1752
#1	1090	7.601	.4018	21.67	20.09	13.43	9.713	4.884	.7540	1.553
#2	1093	7.644	.4030	21.66	20.10	13.49	9.712	4.886	.7565	1.552
#3	1079	7.620	.4005	21.64	20.01	13.43	9.721	4.877	.7527	1.548

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	8.994	11.28	1.300	4.186	2.296	31.37	2.652	2.522	4.900	2.798
Stddev	.028	.04	.007	.007	.005	.12	.002	.006	.0021	.0005
%RSD	.3125	.3677	.5377	.1706	.2133	.3911	.0687	.2440	.4228	.1909
#1	8.979	11.26	1.303	4.188	2.291	31.28	2.650	2.529	4.908	2.792
#2	9.026	11.32	1.305	4.192	2.297	31.51	2.654	2.517	4.916	2.803
#3	8.976	11.25	1.292	4.178	2.300	31.33	2.652	2.520	4.877	2.798

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	7.422	9.459	36.34	3.591	1.150	1.181	5.681
Stddev	.0011	.0001	.11	.006	.002	.002	.004
%RSD	.1494	.0139	.2932	.1758	.1735	.1496	.0656
#1	7.425	9.460	36.35	3.592	1.147	1.182	5.680
#2	7.432	9.460	36.44	3.596	1.151	1.179	5.677
#3	7.410	9.458	36.23	3.584	1.150	1.183	5.685

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	789.96	2196.9	19706.	1700.9
Stddev	2.35	3.0	35.	18.2
%RSD	.29735	.13721	.17916	1.0684
#1	789.65	2200.0	19746.	1712.7
#2	792.45	2196.8	19678.	1680.0
#3	787.78	2193.9	19694.	1710.1

Sample Name: HighStd Acquired: 10/12/2018 8:19:58 Type: Cal
 Method: 60102007_041712(v497) Mode: IR Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2246	15.05	.8044	42.41	38.84	26.15	19.05	9.589	1.492	3.100
Stddev	.0005	.02	.0027	.17	.06	.08	.03	.019	.004	.004
%RSD	.2008	.1504	.3303	.4098	.1415	.3106	.1725	.2006	.2925	.1148
#1	2251	15.02	.8017	42.21	38.78	26.06	19.02	9.576	1.492	3.103
#2	2243	15.05	.8070	42.53	38.86	26.16	19.05	9.580	1.496	3.101
#3	2243	15.06	.8045	42.50	38.88	26.22	19.08	9.611	1.487	3.096

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	17.30	22.11	2.544	8.186	4.528	61.63	5.207	5.052	9.826	.5540
Stddev	.04	.08	.009	.002	.004	.16	.001	.017	.0017	.0018
%RSD	.2454	.3647	.3454	.0281	.0948	.2639	.0233	.3420	.1697	.3231
#1	17.27	22.02	2.534	8.183	4.524	61.53	5.208	5.051	9.835	.5558
#2	17.28	22.14	2.549	8.188	4.528	61.54	5.206	5.036	9.806	.5538
#3	17.35	22.17	2.550	8.187	4.532	61.82	5.206	5.070	9.835	.5523

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.712	1.792	70.07	7.048	2.275	2.310	11.12
Stddev	.001	.002	.12	.029	.004	.005	.03
%RSD	.0735	.0943	.1689	.4037	.1595	.2082	.2632
#1	1.713	1.793	69.95	7.052	2.277	2.310	11.09
#2	1.711	1.790	70.08	7.074	2.271	2.315	11.11
#3	1.711	1.793	70.18	7.018	2.277	2.305	11.15

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	738.25	2122.1	19170.	1725.9
Stddev	2.14	2.7	77.	14.6
%RSD	.28946	.12501	.40119	.84699
#1	738.46	2125.0	19246.	1742.0
#2	740.27	2121.6	19092.	1722.3
#3	736.02	2119.7	19173.	1713.4

Sample Name: HSTD Acquired: 10/12/2018 8:23:43 Type: QC
 Method: 60102007_041712(v497) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5027	79.48	4.007	3.954	3.941	79.06	3.957	3.961	3.959	3.987
Stddev	.0034	.09	.005	.002	.001	.15	.002	.002	.034	.018
%RSD	.6767	.1125	.1142	.0589	.0331	.1903	.0521	.0561	.8496	.4423
#1	.5067	79.45	4.004	3.956	3.940	78.90	3.958	3.961	3.984	4.007
#2	.5011	79.58	4.006	3.951	3.941	79.20	3.955	3.958	3.972	3.980
#3	.5005	79.42	4.013	3.953	3.943	79.09	3.959	3.963	3.921	3.974

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	78.63	79.21	79.35	3.951	4.007	79.24	3.964	3.993	4.000	3.980
Stddev	.36	.06	.20	.020	.001	.12	.006	.013	.004	.006
%RSD	.4535	.0713	.2536	.4982	.0223	.1531	.1601	.3160	.1062	.1577
#1	78.23	79.23	79.12	3.973	4.006	79.10	3.966	4.006	3.995	3.974
#2	78.72	79.14	79.50	3.947	4.008	79.30	3.970	3.980	4.002	3.986
#3	78.93	79.25	79.43	3.934	4.007	79.32	3.958	3.993	4.003	3.981

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.187	3.935	3.957	3.976	3.970	3.978	3.959
Stddev	.003	.003	.004	.026	.017	.016	.004
%RSD	.0657	.0667	.0955	.6572	.4388	.4052	.1114
#1	4.189	3.936	3.953	3.988	3.986	3.988	3.959
#2	4.184	3.938	3.958	3.994	3.952	3.986	3.964
#3	4.188	3.933	3.960	3.947	3.973	3.959	3.955

Check ? Value
 Range

Sample Name: HSTD Acquired: 10/12/2018 8:23:43 Type: QC
 Method: 60102007_041712(v497) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	736.88	2111.7	19159.	1711.6
Stddev	2.26	1.9	188.	11.6
%RSD	.30643	.08948	.98101	.67527
#1	734.35	2112.3	19056.	1724.2
#2	738.70	2113.2	19046.	1701.5
#3	737.59	2109.6	19376.	1709.1

Sample Name: ICV Acquired: 10/12/2018 8:27:31 Type: QC
 Method: 60102007_041712(v497) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2344	40.61	2.004	1.948	2.053	41.04	2.013	2.037	2.009	2.023
Stddev	.0023	.16	.007	.014	.008	.10	.001	.001	.009	.006
%RSD	.9783	.4028	.3722	.7089	.4037	.2500	.0658	.0302	.4242	.2952
#1	2318	40.71	2.010	1.960	2.060	41.15	2.014	2.037	2.018	2.016
#2	2352	40.71	1.995	1.951	2.055	41.04	2.011	2.036	2.002	2.027
#3	2362	40.42	2.005	1.933	2.044	40.94	2.013	2.036	2.005	2.025

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	41.14	41.13	42.06	1.978	1.924	41.21	2.036	1.978	2.016	2.017
Stddev	.16	.23	.23	.005	.006	.14	.002	.002	.008	.008
%RSD	.3769	.5552	.5483	.2566	.3224	.3457	.0882	.0824	.3758	.4144
#1	41.20	41.38	42.32	1.982	1.931	41.30	2.038	1.976	2.024	2.008
#2	41.26	41.08	41.98	1.980	1.922	41.28	2.034	1.979	2.009	2.020
#3	40.97	40.93	41.87	1.972	1.919	41.05	2.036	1.977	2.014	2.024

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0581	2.060	1.984	2.010	2.054	1.973	2.016
Stddev	.0009	.005	.008	.002	.002	.003	.002
%RSD	1.631	.2381	.4142	.0858	.0890	.1529	.1016
#1	.0586	2.065	1.989	2.012	2.054	1.976	2.016
#2	.0587	2.055	1.988	2.008	2.052	1.971	2.018
#3	.0570	2.060	1.974	2.010	2.056	1.971	2.014

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
 Value Range

Sample Name: ICV Acquired: 10/12/2018 8:27:31 Type: QC
 Method: 60102007_041712(v497) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	785.88	2171.0	1956.6	1710.0
Stddev	1.17	2.3	87.	20.7
%RSD	.14857	.10545	.44218	1.2133
#1	786.89	2169.6	1946.7	1686.4
#2	786.15	2173.6	1962.9	1725.5
#3	784.60	2169.8	1960.1	1718.0

7.1
7

Sample Name: ICB Acquired: 10/12/2018 8:33:55 Type: QC
 Method: 60102007_041712(v497) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.0057	.0003	-0.009	-0.001	-0.044	.0000	-0.003	.0008
Stddev	.0003	.0032	.0004	.0001	.0001	.0035	.000	.0001	.0003
%RSD	215.2	56.19	165.9	14.98	102.1	79.44	102.9	53.38	44.76
#1	.0002	-0.093	.0004	-0.010	-0.003	-0.015	-0.001	-0.002	.0011
#2	-0.0004	-0.0035	-0.002	-0.009	-0.000	-0.0084	-0.001	-0.004	.0008
#3	-0.0002	-0.0043	.0006	-0.007	-0.001	-0.0035	.0000	-0.002	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0032	.0034	-.0243	-0.001	F.0027	-.0388	-0.001	-0.0008
Stddev	.0002	.0031	.0241	.0165	.0000	.0004	.0076	.0001	.0013
%RSD	115.2	95.97	707.1	68.00	17.00	15.46	19.50	142.2	166.8
#1	.0000	-0.002	-.0219	-.0430	-0.001	.0032	-.0395	-0.002	.0003
#2	.0003	.0059	.0061	-.0177	-0.001	.0026	-.0460	.0000	-.0004
#3	.0002	.0039	.0260	-.0120	-0.001	.0024	-.0309	.0000	-.0021

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	.0011	-0.003	.0005	.0000	.0008	-0.003	.0000	-0.001
Stddev	.0005	.0030	.0004	.0001	.000	.0002	.0006	.0003	.0001
%RSD	754.9	281.6	156.0	31.12	1374.	22.97	188.8	1985.	92.20
#1	.0004	.0044	.0002	.0006	.0001	.0010	-0.005	.0004	.0000
#2	-0.001	.0001	-0.005	.0004	.0000	.0007	.0004	-0.002	-0.001
#3	-0.0006	-0.0013	-0.005	.0004	.0000	.0007	-0.009	-0.002	-0.001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: ICB Acquired: 10/12/2018 8:33:55 Type: QC
 Method: 60102007_041712(v497) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	938.88	2291.1	2053.3	1730.3
Stddev	2.06	7.8	211.	20.5
%RSD	.21966	.33979	1.0276	1.1822
#1	939.34	2298.1	2037.1	1731.4
#2	940.67	2292.4	2077.1	1709.4
#3	936.62	2282.7	2045.6	1750.2

Sample Name: CRIA Acquired: 10/12/2018 8:37:54 Type: QC
 Method: 60102007_041712(v497) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0098	.1830	.0093	.1966	.0049	.9980	.0052	.0513	.0109	.0257
Stddev	.0006	.0186	.0013	.0015	.0001	.0041	.0001	.0001	.0007	.0004
%RSD	5.794	10.14	14.41	.7619	1.139	.4091	1.398	.2689	6.520	1.739
#1	.0095	.1966	.0087	.1970	.0050	1.003	.0053	.0512	.0101	.0256
#2	.0104	.1618	.0108	.1949	.0049	.9948	.0052	.0512	.0109	.0262
#3	.0094	.1906	.0083	.1978	.0049	.9966	.0051	.0514	.0115	.0253

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3046	9.931	4.948	.0151	.0483	9.825	.0413	.0045	.0059	.0102
Stddev	.0059	.035	.060	.0002	.0001	.028	.0002	.0002	.0008	.0017
%RSD	1.948	.3476	1.208	1.123	.1042	.2894	.5044	3.468	13.09	17.03
#1	.3054	9.966	5.016	.0153	.0482	9.839	.0412	.0046	.0062	.0085
#2	.3101	9.897	4.902	.0151	.0483	9.792	.0415	.0046	.0050	.0103
#3	.2983	9.931	4.927	.0149	.0483	9.843	.0411	.0043	.0065	.0120

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0213	.0505	.0097	.0100	.0083	.0487	.0208
Stddev	.0001	.0005	.0001	.0001	.0002	.0004	.0001
%RSD	.5756	.9870	1.180	1.326	2.654	.8460	.5066
#1	.0212	.0499	.0099	.0100	.0085	.0484	.0207
#2	.0214	.0508	.0097	.0099	.0081	.0484	.0207
#3	.0212	.0507	.0097	.0102	.0083	.0491	.0209

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
 Value Range

Sample Name: CRIA Acquired: 10/12/2018 8:37:54 Type: QC
 Method: 60102007_041712(v497) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	886.19	2248.6	20102.	1718.1
Stddev	1.24	1.0	106.	15.3
%RSD	.14041	.04482	.52961	.88884
#1	886.90	2248.2	19979.	1710.4
#2	886.90	2249.8	20166.	1735.7
#3	884.75	2247.9	20161.	1708.3

7.1
7

Sample Name: ICSA Acquired: 10/12/2018 8:41:49 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	490.5	-0.001	.0000	-0.002	460.0	.0000	-0.004	.0000	.0000
Stddev	.0003	1.7	.0008	.000	.0001	1.8	.000	.0000	.000	.0002
%RSD	113.0	.3540	684.9	160.2	55.23	.3808	691.9	10.17	1147.	426.2
#1	.0004	488.9	-0.001	.0000	-0.002	458.5	-0.002	-0.004	-0.002	-0.002
#2	.0004	490.3	-0.010	.0000	-0.004	459.6	-0.001	-0.004	.0000	.0001
#3	-.0001	492.3	.0005	-0.001	-0.001	462.0	-0.002	-0.005	.0002	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	183.1	.0138	494.5	.0007	.0001	.0232	.0000	.0003	.0015	.0006
Stddev	.6	.0106	3.1	.0001	.0003	.0045	.000	.0008	.0008	.0025
%RSD	.3070	76.56	.6291	10.64	563.7	19.24	4894.	233.6	53.70	406.9
#1	183.2	.0016	492.7	.0007	.0001	.0183	.0003	-0.005	.0024	.0012
#2	182.6	.0205	492.8	.0006	-0.003	.0242	-0.003	.0005	.0013	-.0021
#3	183.7	.0192	498.1	.0007	.0004	.0270	-0.001	.0010	.0008	.0028

Check ? Chk Pass None Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0872	.0007	-0.004	.0002	.0018	.0000	-0.0015
Stddev	.0008	.0009	.0001	.0004	.0027	.000	.0002
%RSD	.8719	120.4	39.46	233.9	155.7	2384.	9.979
#1	.0869	.0017	-0.002	.0004	-0.012	.0002	-0.0015
#2	.0880	.0005	-0.004	-0.003	.0023	-0.001	-0.0017
#3	.0866	.0000	-0.005	.0004	.0042	-0.002	-0.0014

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Sample Name: ICSA Acquired: 10/12/2018 8:41:49 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	696.90	2051.7	17953.	1703.9
Stddev	3.29	2.0	85.	16.5
%RSD	.47187	.09684	.47149	.96958
#1	700.63	2053.9	17859.	1720.6
#2	695.66	2051.2	17976.	1703.6
#3	694.41	2050.0	18024.	1687.5

Sample Name: ICSAB Acquired: 10/12/2018 8:49:39 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.094	500.5	.9668	5119	5081	469.0	.9432	.4785	.4994	5411
Stddev	.003	1.5	.0034	.0047	.0025	1.6	.0011	.0002	.0019	.0015
%RSD	.2280	.2914	.3485	.9086	.4947	.3497	.1145	.0484	.3745	.2752
#1	1.092	502.1	.9635	5155	5108	470.9	.9442	.4784	.4994	5408
#2	1.093	499.3	.9666	5067	5058	468.1	.9421	.4788	.4976	5398
#3	1.097	500.1	.9703	5136	5077	468.0	.9432	.4785	.5013	5427

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	188.4	.0004	509.2	5014	8534	.0129	.9542	.9665	9270	9104
Stddev	.6	.0332	2.3	.0020	.0014	.0025	.0019	.0020	.0026	.0058
%RSD	.3110	8084.	.4552	.3989	.1608	19.34	.1984	.2059	.2787	.6332
#1	189.1	-.0153	511.4	.5021	8518	.0146	9535	.9673	.9255	9153
#2	188.1	-.0386	506.8	.4992	8538	.0100	9563	.9643	.9256	9040
#3	188.0	-.0221	509.3	.5030	8545	.0140	9527	.9680	.9300	9119

Check ? Chk Pass None Chk PassChk PassChk Pass None Chk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0601	.8334	.9504	9530	8892	4939	.9442
Stddev	.0005	.0013	.0031	.0041	.0036	.0007	.0007
%RSD	.8229	.1599	.3305	.4250	.4050	.1406	.0752
#1	.0600	.8336	.9522	.9510	8922	4941	.9449
#2	.0596	.8320	.9467	.9503	8852	4931	.9442
#3	.0606	.8346	.9522	.9577	8903	4944	.9435

Check ? None Chk Pass None None Chk PassChk PassChk Pass
 Value
 Range

Sample Name: ICSAB Acquired: 10/12/2018 8:49:39 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	684.05	2020.7	17719	1678.2
Stddev	.93	1.6	122.	8.7
%RSD	.13625	.08066	.68942	.52024
#1	683.04	2020.9	17784.	1668.6
#2	684.88	2019.0	17795.	1680.4
#3	684.25	2022.2	17578.	1685.6

7.1
7

Sample Name: CCV Acquired: 10/12/2018 8:55:55 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2443	39.93	1.986	1.974	2.006	40.17	2.021	2.017	2.042	2.007
Stddev	.0009	.01	.004	.001	.002	.08	.002	.003	.008	.005
%RSD	.3546	.0326	.2203	.0398	.0845	.1914	.1093	.1278	.3972	.2506
#1	2451	39.92	1.990	1.975	2.004	40.08	2.022	2.017	2.051	2.001
#2	2434	39.94	1.987	1.974	2.007	40.21	2.019	2.014	2.035	2.011
#3	2444	39.93	1.982	1.973	2.008	40.21	2.023	2.019	2.041	2.008

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.22	39.80	39.73	2.037	2.014	40.01	2.005	2.000	1.988	1.997
Stddev	.09	.03	.12	.004	.004	.02	.006	.008	.005	.002
%RSD	.2191	.0788	.3082	.2137	.1996	.0469	.2830	.4077	.2582	.0734
#1	40.12	39.80	39.66	2.042	2.011	40.01	2.009	1.991	1.993	1.997
#2	40.26	39.77	39.87	2.033	2.013	40.02	1.998	2.004	1.983	1.995
#3	40.29	39.83	39.66	2.037	2.019	39.99	2.007	2.006	1.988	1.998

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.788	2.048	2.026	2.054	2.016	2.045	2.024
Stddev	.004	.007	.002	.006	.009	.006	.004
%RSD	.2161	.3326	.0826	.2818	.4629	.2930	.1809
#1	1.792	2.056	2.024	2.059	2.005	2.052	2.027
#2	1.787	2.043	2.026	2.048	2.020	2.040	2.020
#3	1.785	2.045	2.027	2.056	2.022	2.043	2.025

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Sample Name: CCV Acquired: 10/12/2018 8:55:55 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	788.52	2202.2	19462.	1724.8
Stddev	3.30	3.8	86.	6.2
%RSD	.41845	.17042	.44368	.35753
#1	792.21	2197.9	19367.	1731.1
#2	787.50	2205.0	19536.	1718.8
#3	785.85	2203.6	19482.	1724.5

Sample Name: CCB Acquired: 10/12/2018 9:01:22 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.0025	-0.010	-0.007	.0002	.0074	.0001	-0.001	.0005
Stddev	.0002	.0121	.0006	.0002	.0002	.0018	.0001	.0002	.0002
%RSD	291.4	485.8	57.55	27.80	95.51	24.18	51.76	270.6	46.05
#1	-0.001	-0.0089	-0.005	-0.009	.0000	.0095	.0001	.0000	.0007
#2	-0.002	-0.0101	-0.016	-0.005	.0003	.0062	.0002	.0001	.0003
#3	.0001	.0115	-0.008	-0.006	.0002	.0067	.0001	-0.003	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0098	.0229	-.0255	.0002	F.0018	-.0174	.0000	.0003
Stddev	.0002	.0053	.0122	.0363	.0000	.0005	.0055	.0002	.0008
%RSD	44.59	54.29	53.34	142.4	7.661	28.48	31.34	426.9	312.0
#1	.0005	.0151	.0134	-.0287	.0002	.0023	-.0175	.0003	.0000
#2	.0003	.0100	.0187	-.0601	.0002	.0017	-.0228	.0001	.0012
#3	.0008	.0044	.0367	.0123	.0002	.0013	-.0119	-.0002	-.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016	.0004	.0005	.0000	.0004	.0007	.0007	.0007	.0006
Stddev	.0005	.0005	.0004	.0002	.0000	.0002	.0007	.0004	.0001
%RSD	33.42	103.4	80.40	547.5	12.10	23.11	105.4	62.46	13.37
#1	.0018	.0010	.0005	.0002	.0004	.0008	.0015	.0007	.0006
#2	.0020	.0001	.0001	-.0002	.0005	.0008	.0002	.0011	.0006
#3	.0010	.0003	.0009	.0001	.0004	.0005	.0004	.0002	.0005

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 10/12/2018 9:01:22 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	931.04	2279.7	20147.	1744.4
Stddev	2.55	1.8	48.	5.2
%RSD	.27437	.07792	.23725	.29556
#1	932.84	2281.2	20094.	1739.2
#2	928.12	2280.1	20188.	1749.5
#3	932.16	2277.7	20159.	1744.3

7.1
7

Sample Name: MP34489-MB1 Acquired: 10/12/2018 9:06:10 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	-0.0092	-0.011	-0.012	-.0002	.0211	.0000	-.0003	.0006	.0003
Stddev	.0001	.0051	.0004	.0004	.0001	.0031	.000	.0000	.0002	.0001
%RSD	94.36	55.48	36.17	35.63	64.31	14.49	645.8	5.546	27.55	21.21
#1	-0.001	-0.034	-0.007	-0.008	-0.001	.0177	.0000	-.0003	.0005	.0003
#2	-0.003	-0.0129	-0.011	-0.016	-0.003	.0237	.0000	-.0003	.0005	.0002
#3	.0000	-0.0115	-0.015	-0.010	-0.001	.0218	.0000	-.0002	.0008	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032	.0000	-.0476	.0007	.0003	-.0222	-.0004	-.0006	.0017	.0014
Stddev	.0019	.013	.0191	.0000	.0001	.0089	.0003	.0009	.0021	.0005
%RSD	58.31	39990.	40.06	5.008	29.68	40.11	81.30	168.8	124.1	33.52
#1	.0028	.0107	-.0688	.0007	.0004	-.0306	-.0005	-.0016	.0001	.0012
#2	.0053	.0032	-.0424	.0008	.0003	-.0231	.0000	.0002	.0009	.0011
#3	.0016	-0.0140	-.0317	.0008	.0002	-.0129	-.0005	-.0003	.0040	.0020

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0351	-.0002	.0001	.0002	-.0020	.0001	.0019
Stddev	.0007	.0005	.0000	.0001	.0010	.0002	.0000
%RSD	1.888	313.5	77.34	38.61	51.70	233.7	5650
#1	.0345	.0004	.0000	.0002	-.0014	.0001	.0019
#2	.0351	-.0002	.0000	.0002	-.0032	-.0001	.0019
#3	.0358	-.0007	.0001	.0001	-.0014	.0003	.0019

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP34489-MB1 Acquired: 10/12/2018 9:06:10 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	934.11	2301.7	20588.	1754.6
Stddev	1.17	4.5	104.	21.7
%RSD	.12480	.19654	.50498	1.2369
#1	934.15	2306.1	20652.	1758.2
#2	932.92	2302.1	20468.	1774.3
#3	935.25	2297.0	20645.	1731.4

Sample Name: MP34489-B1 Acquired: 10/12/2018 9:10:38 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0483	25.61	1.870	1.894	.0492	24.17	.0484	.4908	.2015	.2493
Stddev	.0003	.04	.004	.007	.0001	.03	.0001	.0006	.0013	.0006
%RSD	.6919	.1492	.2076	.3763	.2244	.1046	.1388	.1261	.6283	.2512
#1	.0482	25.57	1.869	1.886	.0493	24.16	.0485	.4903	.2028	.2499
#2	.0480	25.65	1.867	1.898	.0493	24.20	.0484	.4906	.2014	.2486
#3	.0486	25.62	1.874	1.899	.0491	24.15	.0484	.4915	.2002	.2493

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.87	23.68	23.65	4947	4574	23.89	.4926	.4673	.4708	1.850
Stddev	.07	.10	.06	.0016	.0009	.04	.0010	.0012	.0024	.008
%RSD	.2996	.4070	.2333	.3304	.1988	.1477	.2086	.2666	.5146	.4172
#1	24.89	23.57	23.63	.4935	4572	23.91	.4915	.4674	.4735	1.858
#2	24.94	23.72	23.71	.4965	4566	23.92	.4930	.4661	.4687	1.843
#3	24.79	23.75	23.60	.4939	4584	23.85	.4934	.4686	.4703	1.850

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2643	.4650	.4853	4876	1.873	.4752	.4822
Stddev	.0016	.0005	.0004	.0028	.006	.0027	.0004
%RSD	.6144	.1032	.0884	.5689	.3268	.5689	.0740
#1	.2655	.4654	.4852	.4905	1.868	.4783	.4822
#2	.2625	.4645	.4858	.4849	1.872	.4736	.4826
#3	.2651	.4651	.4850	.4874	1.880	.4737	.4818

Check ? None Chk Pass None None Chk PassChk PassChk Pass
 Value
 Range

Sample Name: MP34489-B1 Acquired: 10/12/2018 9:10:38 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	832.33	2242.7	19781.	1717.5
Stddev	2.31	2.1	63.	4.8
%RSD	.27709	.09363	.31943	.27715
#1	833.89	2240.5	19734.	1719.8
#2	833.43	2243.1	19757.	1712.0
#3	829.68	2244.6	19853.	1720.7

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.87	23.68	23.65	4947	4574	23.89	.4926	.4673	.4708	1.850
Stddev	.07	.10	.06	.0016	.0009	.04	.0010	.0012	.0024	.008
%RSD	.2996	.4070	.2333	.3304	.1988	.1477	.2086	.2666	.5146	.4172
#1	24.89	23.57	23.63	.4935	4572	23.91	.4915	.4674	.4735	1.858
#2	24.94	23.72	23.71	.4965	4566	23.92	.4930	.4661	.4687	1.843
#3	24.79	23.75	23.60	.4939	4584	23.85	.4934	.4686	.4703	1.850

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2643	.4650	.4853	4876	1.873	.4752	.4822
Stddev	.0016	.0005	.0004	.0028	.006	.0027	.0004
%RSD	.6144	.1032	.0884	.5689	.3268	.5689	.0740
#1	.2655	.4654	.4852	.4905	1.868	.4783	.4822
#2	.2625	.4645	.4858	.4849	1.872	.4736	.4826
#3	.2651	.4651	.4850	.4874	1.880	.4737	.4818

Check ? None Chk Pass None None Chk PassChk PassChk Pass
 Value
 Range

Sample Name: FA58267-1L Acquired: 10/12/2018 9:14:49 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0001	.0117	-.0005	.0094	-.0002	14.40	.0001	-.0003	.0010
Stddev	.0005	.0037	.0012	.0003	.0001	.04	.0000	.0000	.0010
%RSD	650.6	31.61	213.4	3.452	37.65	.3007	22.97	19.04	95.70
#1	-.0001	.0158	-.0008	.0094	-.0003	14.45	.0001	-.0003	-.0001
#2	-.0007	.0086	-.0010	.0090	-.0002	14.38	.0001	-.0002	.0018
#3	-.0003	.0108	-.0014	.0097	-.0001	14.37	.0001	-.0002	.0014

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0009	.0212	.4402	.4323	.0295	.0008	F159.5	.0000	.0026
Stddev	.0002	.0028	.0371	.0192	.0002	.0002	.7	.000	.0007
%RSD	28.43	13.40	8.438	4.450	.8017	22.26	.4571	428.9	25.91
#1	.0009	.0209	.3974	.4355	.0293	.0010	160.3	.0000	.0022
#2	.0006	.0186	.4644	.4117	.0297	.0008	159.4	.0000	.0022
#3	.0011	.0242	.4587	.4498	.0295	.0007	158.8	.0000	.0034

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0008	.0049	.0842	.0001	.0492	.0013	-.0015	.0005	.0291
Stddev	.0003	.0021	.0015	.0003	.0001	.0002	.0009	.0002	.0001
%RSD	40.81	43.49	1.829	505.0	.2064	14.14	59.56	46.08	4.068
#1	.0009	.0048	.0834	.0005	.0492	.0011	-.0013	.0005	.0290
#2	.0004	.0028	.0832	.0000	.0493	.0014	-.0007	.0008	.0291
#3	.0010	.0070	.0860	-.0002	.0491	.0014	-.0025	.0003	.0292

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	808.12	2175.6	19172.	1745.0
Stddev	3.14	6.4	155.	9.3
%RSD	.38883	.29641	.80668	.53343
#1	811.70	2182.6	19240.	1734.3
#2	806.84	2174.4	18995.	1751.4
#3	805.82	2169.9	19281.	1749.2

Sample Name: MP34489-D1 Acquired: 10/12/2018 9:19:16 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0001	.0175	-.0007	.0095	-.0003	14.36	.0001	-.0003	.0009
Stddev	.0002	.0082	.0008	.0002	.0001	.01	.0000	.0001	.0004
%RSD	308.3	46.75	110.2	1.909	22.09	.0628	44.92	41.66	44.16
#1	.0003	.0119	.0000	.0096	-.0002	14.35	.0001	-.0002	.0013
#2	-.0001	.0268	-.0016	.0093	-.0003	14.36	.0000	-.0005	.0006
#3	.0000	.0137	-.0006	.0096	-.0003	14.36	.0001	-.0002	.0008

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0011	.0243	.4385	.4086	.0296	.0001	F157.5	-.0001	.0018
Stddev	.0001	.0048	.0212	.0304	.0001	.0001	.5	.0000	.0007
%RSD	8.600	19.96	4.842	7.451	.3942	92.27	.2966	28.90	38.12
#1	.0011	.0231	.4384	.3838	.0298	.0001	158.0	-.0001	.0010
#2	.0011	.0201	.4173	.3993	.0295	.0003	157.4	-.0001	.0019
#3	.0010	.0296	.4598	.4426	.0296	.0000	157.1	-.0001	.0024

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0021	.0027	.0853	.0000	.0487	.0012	-.0010	.0005	.0318
Stddev	.0009	.0023	.0003	.0001	.0001	.0001	.0002	.0002	.0001
%RSD	45.72	85.71	.3634	1408.	.1768	7.741	23.67	41.08	.3231
#1	.0018	.0053	.0855	-.0001	.0488	.0013	-.0008	.0007	.0318
#2	.0031	.0023	.0849	.0000	.0486	.0011	-.0		

Zoom In
Zoom Out

Sample Name: MP34489-SD1 Acquired: 10/12/2018 9:23:44 Type: Unk
Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247	
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	
Avg	-0.004	-0.106	-0.075	0.056	-0.006	15.02	-0.001	-0.006	-0.005	-0.026	
Stddev	0.020	0.034	0.033	0.009	0.011	0.02	0.002	0.008	0.037	0.007	
%RSD	503.8	372.9	40.83	15.34	178.6	154.2	314.8	133.2	768.3	27.84	
#1	-0.013	-0.040	-0.040	0.060	-0.018	14.99	0.002	-0.012	-0.007	0.031	
#2	0.019	-0.006	-0.079	0.061	-0.004	15.04	0.000	-0.008	0.046	0.018	
#3	-0.018	0.028	-0.105	0.046	0.004	15.02	-0.001	0.003	-0.025	0.030	
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	
Avg	0.126	4.710	2.759	0.307	-0.022	168.4	-0.012	-0.001	-0.045	-0.040	
Stddev	0.002	0.087	0.117	0.002	0.014	0.8	0.006	0.014	0.044	0.048	
%RSD	1.403	17.14	40.49	6.675	64.70	4.677	48.84	1179.	97.99	121.7	
#1	0.126	4.918	1.470	0.308	-0.008	167.5	-0.018	0.014	-0.075	0.094	
#2	0.128	3.819	3.441	0.304	-0.037	168.9	-0.006	-0.006	-0.006	0.002	
#3	0.125	5.393	3.366	0.308	-0.021	168.8	-0.012	-0.012	0.067	0.022	
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062				
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)				
Avg	0.089	-0.004	0.515	0.001	-0.048	-0.001	0.313				
Stddev	0.027	0.027	0.005	0.005	0.042	0.019	0.003				
%RSD	3.016	617.4	1.033	724.3	87.33	1387.	8923				
#1	0.089	-0.031	0.515	0.006	-0.002	0.019	0.311				
#2	0.091	-0.006	0.520	-0.001	-0.085	-0.003	0.317				
#3	0.083	0.024	0.509	-0.003	-0.057	-0.020	0.312				
Int. Std.	In2306	Y_2243	Y_3600	Y_3710							
Avg	866.18	2248.5	19713.	1736.3							
Stddev	65	6.7	107.	15.8							
%RSD	0.7465	2.9704	5.4496	0.90864							
#1	866.34	2251.8	19590.	1754.0							
#2	866.74	2253.0	19761.	1723.7							
#3	865.47	2240.9	19788.	1731.3							

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Zoom In
Zoom Out

Sample Name: MP34489-S1 Acquired: 10/12/2018 9:28:12 Type: Unk
Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Avg	0.0499	25.69	1.907	1.882	0.492	38.23	0.487	0.002	0.003	0.015
Stddev	0.006	0.11	0.04	0.11	0.002	0.02	0.003	0.003	0.003	0.015
%RSD	1.130	4.279	2.381	5.827	4.308	0.396	0.614	0.604	0.604	0.286
#1	0.0493	25.82	1.908	1.892	0.494	38.25	0.487	0.002	0.003	0.015
#2	0.0502	25.64	1.903	1.871	0.492	38.24	0.485	0.002	0.003	0.015
#3	0.0503	25.62	1.912	1.883	0.490	38.22	0.490	0.002	0.003	0.015
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Se1960
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)
Avg	2.508	24.74	23.88	23.55	5.255	4.591	F179.2	4.881	4.785	4.856
Stddev	0.028	0.04	0.12	0.13	0.025	0.012	0.002	0.010	0.023	0.023
%RSD	3.243	1.764	4.956	5.655	4.836	2.518	1.165	1.959	4.881	4.856
#1	2.509	24.70	24.01	23.70	5.284	4.579	179.4	4.873	4.806	4.806
#2	2.515	24.72	23.81	23.45	5.235	4.591	179.0	4.877	4.760	4.760
#3	2.499	24.79	23.81	23.50	5.246	4.602	179.1	4.891	4.789	4.789
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062	
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)	
Avg	4.757	1.913	3.243	4.574	5.303	4.950	F179.2	4.881	4.785	
Stddev	0.030	0.003	0.021	0.017	0.012	0.040	0.002	0.031	0.020	
%RSD	6.388	1.510	6.595	3.822	2.173	8.073	1.047	6.511	3.932	
#1	4.725	1.913	3.219	4.554	5.310	4.951	1.872	4.842	5.153	
#2	4.786	1.916	3.252	4.585	5.290	4.989	1.869	4.851	5.144	
#3	4.759	1.910	3.259	4.583	5.309	4.909	1.871	4.793	5.183	
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	775.75	2180.0	18961.	1737.2						
Stddev	1.96	3.7	96.	9.1						
%RSD	2.5251	1.6988	5.0649	5.2444						
#1	775.05	2181.0	18863.	1726.7						
#2	777.96	2183.2	18967.	1743.1						
#3	774.24	2176.0	19054.	1741.8						

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Zoom In
Zoom Out

Sample Name: MP34489-S2 Acquired: 10/12/2018 9:32:22 Type: Unk
Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0498	25.78	1.914	1.888	0.492	38.36	0.489	0.489	0.016
Stddev	0.002	0.02	0.001	0.008	0.002	0.05	0.001	0.007	0.016
%RSD	3.699	0.809	0.677	4.355	3.578	1.355	2.956	1.516	7.720
#1	0.0498	25.78	1.915	1.898	0.494	38.31	0.488	0.489	0.013
#2	0.0496	25.80	1.915	1.883	0.491	38.41	0.490	0.490	0.011
#3	0.0500	25.76	1.913	1.884	0.493	38.37	0.488	0.488	0.011
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.2535	24.90	23.85	23.76	5.297	4.636	F178.3	4.900	4.834
Stddev	0.013	0.08	0.06	0.08	0.008	0.005	0.004	0.012	0.035
%RSD	5.293	3.161	2.625	3.320	1.528	1.170	2.050	2.427	7.235
#1	0.2549	24.92	23.92	23.84	5.304	4.642	178.6	4.913	4.835
#2	0.2522	24.81	23.80	23.75	5.288	4.633	177.9	4.893	4.869
#3	0.2534	24.97	23.83	23.69	5.299	4.632	178.5	4.893	4.799
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.4746	1.918	3.157	4.591	5.354	5.043	1.890	4.856	5.179
Stddev	0.008	0.01	0.002	0.011	0.008	0.030	0.008	0.007	0.014
%RSD	1.692	0.715	0.756	2.371	1.586	5.865	4.102	1.485	2.798
#1	0.4739	1.917	3.154	4.602	5.364	5.076	1.899	4.864	5.195
#2	0.4755	1.917	3.158	4.580	5.350	5.020	1.886	4.852	5.175
#3	0.4745	1.919	3.157	4.593	5.348	5.032	1.885	4.851	5.167
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	774.78	2186.5	18884.	1752.4					
Stddev	2.45	5.0	71.	4.9					
%RSD	3.1615	2.2844	3.7800	2.7765					
#1	771.96	2182.2	18868.	1756.3					
#2	776.11	2185.3	18961.	1753.9					
#3	776.29	2192.0	18821.	1747.0					

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Zoom In
Zoom Out

Sample Name: FA58178-1 Acquired: 10/12/2018 9:36:33 Type: Unk
Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	0.0006	0.632	0.010	3.365	0.002	1.948	0.001	0.000	0.012
Stddev	0.002	0.016	0.004	0.010	0.000	0.04	0.001	0.000	0.016
%RSD	28.39	24.69	35.48	3.060	26.94	1.875	85.48	166.5	8.866
#1	-0.0007	0.780	-0.014	3.375	-0.002	1.946	0.001	0.000	0.013
#2	-0.0005	0.649	-0.009	3.366	-0.001	1.952	0.001	0.000	0.011
#3	-0.0004	0.648	-0.007	3.355	-0.002	1.946	0.000	-0.001	0.011
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.0547	0.128	3.062	0.825	0.241	-0.002	F159.7	0.023	0.012
Stddev	0.002	0.016	0.019	0					

Sample Name: FA58178-2 Acquired: 10/12/2018 9:41:00 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	-0.039	-0.021	-0.106	-0.002	7.945	-0.003	0.141	6839
Stddev	.0006	.0065	.0010	.0004	.0000	.025	.0001	.0002	.0001
%RSD	137.4	20.29	48.75	4.078	7.998	.3214	23.73	1.152	0.136
#1	-0.009	0.039	-0.010	.1057	-0.002	7.960	0.002	0.139	6839
#2	-0.005	0.032	-0.030	.1060	-0.002	7.959	0.003	0.143	6840
#3	-0.002	0.027	-0.023	.1051	-0.002	7.915	0.004	0.142	6838
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.1030	0.2111	7.189	3.192	2.665	-0.004	F153.9	-1.289	0.000
Stddev	.0005	.0040	.0415	.0137	.0005	.0001	1.0	.0001	.0009
%RSD	516.3	19.16	5.775	4.295	1.765	27.18	6.677	0.651	2355.
#1	.1032	.0218	6.865	.3036	.2667	-0.003	155.1	-1.289	0.007
#2	.1034	.0247	7.657	.3293	.2660	-0.005	153.6	-1.289	0.005
#3	.1024	.0167	7.046	.3248	.2669	-0.004	153.2	-1.288	-0.010
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0030	0.0034	1.393	-0.002	0.126	0.015	-0.0021	-0.0001	3.250
Stddev	.0011	.0023	.0006	.0003	.0001	.0000	.0004	.0000	.004
%RSD	36.61	66.95	4.004	209.6	7.945	2.919	19.31	41.71	1.158
#1	-0.0018	0.020	1.388	-0.004	0.126	0.015	-0.0025	-0.0001	3.250
#2	-0.0039	0.021	1.399	.0002	0.125	0.015	-0.0021	-0.0001	3.246
#3	-0.0033	0.060	1.393	-0.002	0.127	0.015	-0.0017	-0.0001	3.253
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	811.11	2178.4	19130.	1746.2					
Stddev	.73	2.7	49.	13.0					
%RSD	.09044	.12225	25743	.74211					
#1	811.93	2181.2	19152.	1731.4					
#2	810.52	2175.9	19164.	1752.1					
#3	810.88	2178.1	19074.	1755.1					

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Sample Name: FA58178-3 Acquired: 10/12/2018 9:45:22 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.004	-0.038	-0.020	-0.1072	-0.002	7.945	-0.003	0.141	6839
Stddev	.0006	.0128	.0001	.0015	.0001	.05	.0001	.0002	.0003
%RSD	170.9	35.93	6.778	1.378	48.27	.2403	13.76	8.286	4.053
#1	.0002	0.0257	-0.018	.1068	-0.003	21.32	.0004	0.274	.0079
#2	-0.010	0.0502	-0.020	.1059	-0.001	21.28	.0003	0.269	.0083
#3	-0.003	0.0314	-0.021	.1088	-0.003	21.22	.0004	0.273	.0077
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0364	3.773	6.075	3.084	1.156	-0.003	F150.6	-0.018	0.021
Stddev	.0003	.010	.0089	.0143	.0005	.0001	3	.0002	.0007
%RSD	.7910	2734	1.466	4.644	4.339	54.21	2.142	1.285	3.324
#1	.0365	3.785	5.979	2.995	1.160	-0.002	150.9	0.120	0.200
#2	.0361	3.766	6.093	3.007	1.158	-0.004	150.6	0.117	0.208
#3	.0366	3.769	6.154	3.049	1.151	-0.002	150.3	0.117	0.194
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	0.019	0.014	2.772	-0.001	0.025	0.086	-0.0016	0.000	9.246
Stddev	.0012	.0005	.0012	.0003	.0001	.0004	.0003	.000	.0003
%RSD	62.91	32.95	4.276	293.4	1.913	5.133	20.59	812.4	0.357
#1	.0031	0.009	2.760	-0.005	0.025	0.086	-0.0020	0.001	9.249
#2	.0016	0.017	2.771	.0001	0.025	0.091	-0.0016	0.002	9.247
#3	.0008	0.017	2.784	0.001	0.026	0.082	-0.0013	0.004	9.243
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	806.14	2188.2	19163.	1746.5					
Stddev	1.79	1.2	122.	8.2					
%RSD	.22206	.05597	.63578	.47127					
#1	804.16	2189.4	19067.	1739.5					
#2	806.59	2187.0	19122.	1744.5					
#3	807.66	2188.2	19300.	1755.6					

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Sample Name: CCV Acquired: 10/12/2018 9:49:47 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.462	40.11	1.977	1.967	2.006	40.30	2.035	2.030	2.087	2.032
Stddev	.0007	.02	.006	.004	.001	.06	.002	.002	.007	.011
%RSD	.2734	.0590	.3077	.2221	.0375	1.487	.0751	.1061	.3355	.5441
#1	2.470	40.11	1.981	1.972	2.006	40.29	2.037	2.032	2.095	2.037
#2	2.457	40.08	1.970	1.967	2.006	40.25	2.034	2.028	2.081	2.019
#3	2.461	40.13	1.981	1.964	2.005	40.37	2.035	2.030	2.086	2.039

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.87	39.82	39.33	2.062	2.024	39.75	2.000	2.023	1.985	2.005
Stddev	.13	.16	.19	.006	.006	.03	.005	.003	.005	.009
%RSD	.3174	.3910	.4836	.2754	.3112	.0673	.2470	.1476	.2573	.4572
#1	40.00	40.00	39.55	2.060	2.019	39.78	2.004	2.020	1.988	2.014
#2	39.75	39.71	39.24	2.069	2.021	39.73	1.995	2.026	1.979	1.996
#3	39.86	39.76	39.21	2.058	2.031	39.75	2.001	2.024	1.988	2.005

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.787	2.034	2.029	2.084	2.033	2.058	2.032
Stddev	.007	.004	.002	.015	.006	.008	.001
%RSD	.3755	.2077	.0950	.7271	.2798	.3774	.0493
#1	1.794	2.037	2.031	2.096	2.033	2.067	2.032
#2	1.780	2.029	2.027	2.067	2.028	2.053	2.033
#3	1.788	2.035	2.028	2.089	2.039	2.054	2.031

Check ? Value
 Range

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Sample Name: CCV Acquired: 10/12/2018 9:49:47 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	788.20	2212.8	19302.	1736.3
Stddev	.58	2.9	68.	7.6
%RSD	.07385	.12985	.35189	.43701
#1	788.87	2210.0	19269.	1733.7
#2	787.93	2215.8	19258.	1744.8
#3	787.80	2212.6	19380.	1730.3

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Sample Name: CCB Acquired: 10/12/2018 9:53:53 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	-0.0073	-0.0002	-0.0005	.0000	.0074	.0001	-0.0001	.0007
Stddev	.0005	.0063	.0004	.0003	.0001	.0043	.0000	.0000	.0001
%RSD	115.2	87.22	179.2	51.83	2391.	57.76	36.45	42.94	10.07
#1	-0.0001	-0.0098	.0002	-0.0003	.0000	.0025	.0001	-0.0001	.0007
#2	.0009	-0.0001	-0.0006	-0.0005	-0.0001	.0102	.0002	-0.0001	.0006
#3	.0006	-0.0119	-0.0004	-0.0008	.0001	.0095	.0001	-0.0001	.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0104	.0553	-0.270	.0002	F.0034	-0.0021	-0.0002	-0.0001
Stddev	.0001	.0031	.0157	.0116	.0000	.0009	.0031	.0002	.0009
%RSD	27.93	29.84	28.39	42.80	18.77	25.67	149.2	88.00	732.4
#1	.0002	.0085	.0380	-.0138	.0003	.0043	.0011	-0.0004	.0007
#2	.0004	.0139	.0687	-.0353	.0002	.0033	-.0051	-0.0003	.0000
#3	.0004	.0086	.0591	-.0321	.0002	.0026	-.0023	.0000	-.0010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	F.0034	.0007	.0005	.0002	.0014	-0.0006	.0002	.0005
Stddev	.0014	.0023	.0003	.0005	.0001	.0002	.0008	.0001	.0000
%RSD	219.2	68.38	45.43	105.1	68.36	18.19	135.2	57.16	5.292
#1	.0022	.0039	.0011	.0005	.0001	.0016	-.0006	.0002	.0005
#2	-.0002	.0054	.0006	.0000	.0001	.0014	.0002	.0003	.0005
#3	-.0001	.0008	.0004	.0010	.0003	.0011	-.0014	.0001	.0005

Check ? Chk Pass Chk Fail None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 10/12/2018 9:53:53 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	935.34	2301.5	20415.	1742.4
Stddev	2.13	11.2	101.	3.3
%RSD	.22782	.48831	.49363	.19014
#1	937.80	2309.3	20309.	1738.7
#2	934.20	2288.6	20428.	1743.7
#3	934.03	2306.7	20509.	1744.9

7.1
7

Sample Name: FA58178-4 Acquired: 10/12/2018 9:58:22 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)
Avg	-0.0002	.0128	-.0015	.0270	-.0002	5.157	.0010	.0316
Stddev	.0003	.0100	.0010	.0006	.0002	.029	.0001	.0001
%RSD	191.9	78.11	67.13	2.159	87.15	.5586	7.996	.4108
#1	.0000	.0194	-.0008	.0276	-.0002	5.186	.0011	.0316
#2	.0000	.0013	-.0027	.0265	-.0003	5.128	.0009	.0315
#3	-.0006	.0177	-.0011	.0270	.0000	5.157	.0010	.0318

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)
Avg	F4.693	.0162	.0106	2.379	.3263	.0622	.0007	F151.4
Stddev	.040	.0004	.0057	.011	.0158	.0004	.0003	1.1
%RSD	.8556	2.482	54.12	.4601	4.829	.6295	36.06	.7020
#1	4.658	.0166	.0167	2.368	.3443	.0620	.0010	152.6
#2	4.737	.0159	.0099	2.379	.3148	.0627	.0005	150.6
#3	4.685	.0160	.0053	2.390	.3199	.0620	.0006	150.9

Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)
Avg	.0060	.0010	F-.0209	.0015	.1748	.0003	.0175	.0032
Stddev	.0002	.0004	.0021	.0032	.0009	.0001	.0000	.0002
%RSD	2.850	39.04	9.943	207.7	.5218	48.71	.0947	5.697
#1	.0062	.0013	-.0185	.0052	.1740	.0003	.0175	.0033
#2	.0059	.0010	-.0221	.0002	.1758	.0002	.0175	.0032
#3	.0059	.0006	-.0220	-.0008	.1746	.0005	.0174	.0030

Elem	Ti1908	V_2924	Zn2062
IS Ref	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0027	-.0037	F16.34
Stddev	.0003	.0002	.01
%RSD	10.56	6.547	.0844
#1	-.0025	-.0034	16.33
#2	-.0030	-.0038	16.34
#3	-.0027	-.0039	16.35

Sample Name: FA58178-4 Acquired: 10/12/2018 9:58:22 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	810.42	2144.2	19030.	1761.5
Stddev	1.09	1.5	166.	9.0
%RSD	.13395	.07010	.87331	.51045
#1	809.30	2142.6	19135.	1751.2
#2	811.47	2145.6	18838.	1767.1
#3	810.48	2144.4	19116.	1766.4

Sample Name: FA58178-5 Acquired: 10/12/2018 10:02:45 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.002	-0.228	-0.019	0.311	-0.002	8.057	-0.001	-0.077	-2388
Stddev	.0005	.0084	.0014	.0005	.0001	.003	.0001	.0002	.0028
%RSD	310.6	36.95	76.03	1.552	68.47	0.396	110.4	3.215	1.171
#1	-0.004	0.195	-0.009	0.305	-0.001	8.054	0.000	0.074	2393
#2	-0.006	0.323	-0.035	0.314	-0.001	8.057	0.001	-0.079	2359
#3	-0.004	0.165	-0.013	0.314	-0.003	8.061	0.000	-0.077	2414
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	0.037	0.186	4.482	1.445	2.477	0.000	F151.4	0.024	0.008
Stddev	.0001	.0031	.0186	.0119	.0005	.0002	.3	.0002	.0012
%RSD	3.048	16.85	4.149	8.241	2.051	1490.	1654	6.326	140.3
#1	0.036	0.180	4.689	1.377	2.474	0.002	151.2	0.026	0.001
#2	0.037	0.158	4.432	1.375	2.474	0.000	151.3	0.023	0.022
#3	0.038	0.219	4.327	1.582	2.483	-0.001	151.7	0.024	0.003
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.002	0.043	1.364	0.006	0.104	0.014	-0.020	0.003	1.414
Stddev	.0007	.0016	.0008	.0001	.0000	.0002	.0002	.0003	.004
%RSD	400.6	36.30	6.193	15.49	3.622	13.01	11.04	88.38	2.974
#1	-0.002	0.051	1.372	0.005	0.104	0.014	-0.020	0.005	1.411
#2	-0.003	0.025	1.364	0.008	0.104	0.013	-0.017	0.000	1.413
#3	-0.010	0.053	1.355	0.006	0.105	0.017	-0.022	0.004	1.419
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	809.82	2179.8	19021.	1743.3					
Stddev	.41	3.7	171.	9.7					
%RSD	.05039	.17030	.90064	.55628					
#1	809.76	2183.3	18985.	1752.7					
#2	810.25	2180.2	19208.	1733.3					
#3	809.44	2175.9	18872.	1743.9					

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Sample Name: FA58178-6 Acquired: 10/12/2018 10:07:09 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Co2286
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)
Avg	-0.002	-0.363	-0.006	0.197	-0.001	5.560	-0.014	0.039	0.359	0.359
Stddev	.0003	.0041	.0004	.0002	.0001	.008	.0000	.0001	.0001	.0001
%RSD	120.6	11.38	55.09	.9740	108.0	1.416	2.432	.3838		
#1	-0.004	0.378	-0.004	0.199	0.000	5.557	0.015	0.361		
#2	-0.001	0.316	-0.005	0.195	-0.002	5.555	0.014	0.358		
#3	-0.003	0.395	-0.011	0.198	-0.001	5.569	0.014	0.358		
Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895		
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)		
Avg	F5.232	0.496	0.092	2.409	2.041	0.773	-0.003	F148.8		
Stddev	.017	.0002	.0026	.037	.0142	.0004	.0001	.5		
%RSD	3.204	.4919	28.57	1.528	6.962	5.397	40.41	3630		
#1	5.225	.0498	.0070	2.367	2.178	.0769	-0.003	149.4		
#2	5.251	.0497	.0120	2.422	1.894	.0772	-0.002	148.4		
#3	5.220	.0493	.0085	2.437	2.050	.0777	-0.005	148.6		
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349		
IS Ref	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_2243)	(Y_3600)		
Avg	0.047	0.006	F-0.224	0.039	1.499	-0.001	0.102	0.039		
Stddev	.0003	.0004	.0008	.0014	.0014	.0009	.0001	.0004		
%RSD	5.384	70.75	3.553	35.35	9.446	1749.	1.063	11.27		
#1	0.047	0.005	-0.232	0.053	1.515	-0.006	0.101	0.041		
#2	0.049	0.003	-0.225	0.026	1.492	-0.005	0.102	0.042		
#3	0.044	0.011	-0.216	0.037	1.490	0.010	0.102	0.034		
Elem	Ti1908	V_2924	Zn2062							
IS Ref	(In2306)	(Y_3600)	(Y_2243)							
Avg	-0.026	-0.039	F17.21							
Stddev	.0008	.0002	.04							
%RSD	31.43	6.227	2350							
#1	-0.021	-0.037	17.22							
#2	-0.022	-0.042	17.17							
#3	-0.036	-0.038	17.25							

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Sample Name: FA58178-6 Acquired: 10/12/2018 10:07:09 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	809.89	2141.0	18896.	1759.8
Stddev	1.84	2.6	25.	14.0
%RSD	.22737	.11940	.12973	.79774
#1	810.36	2140.3	18885.	1752.6
#2	811.44	2143.8	18924.	1776.0
#3	807.85	2138.8	18878.	1750.8

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Sample Name: FA58231-1 Acquired: 10/12/2018 10:11:34 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.002	4.695	-0.022	2.132	-0.003	188.6	-0.001	-0.004	0.016	-0.003
Stddev	.0002	.0060	.0004	.0015	.0001	.4	.0000	.0000	.0002	.0002
%RSD	117.1	1.275	19.27	7.174	18.38	2.135	39.82	10.07	11.48	77.48
#1	0.000	4.745	-0.018	2.116	-0.003	188.3	-0.001	-0.004	0.014	-0.005
#2	-0.002	4.629	-0.026	2.146	-0.003	189.0	0.000	-0.005	0.017	0.000
#3	-0.004	4.712	-0.021	2.135	-0.002	188.5	-0.001	-0.004	0.017	-0.003
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	-0.039	2.652	-0.124	0.001	0.000	13.20	-0.004	-0.004	0.023	0.030
Stddev	.0044	.021	.0388	.0000	.0001	.03	.0002	.0010	.0010	.0027
%RSD	113.7	7.865	313.8	48.76	714.2	2.431	53.75	253.6	41.42	89.32
#1	-0.063	2.637	-0.427	0.001	0.001	13.16	-0.006	-0.002	0.019	0.000
#2	-0.066	2.676	-0.313	0.001	0.001	13.23	-0.004	-0.005	0.034	0.039
#3	0.012	2.643	-0.256	0.001	0.000	13.20	-0.002	-0.015	0.016	0.051
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	1.259	0.003	3.976	0.013	-0.017	0.002	0.027			
Stddev	.0006	.0006	0.013	.0000	.0003	.0004	.001			
%RSD	46.47	197.5	3366	3.273	17.31	175.6	2.728			
#1	1.261	0.006	3.966	0.013	-0.015	-0.001	0.028			
#2	1.263	-0.004	3.992	0.013	-0.020	0.001	0.027			
#3	1.252	0.006	3.971	0.013	-0.015	0.007	0.027			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	806.12	2154.5	18964.	1734.3						
Stddev	1.30	1.3	95.	2.4						
%RSD	.16172	.06200	.49967	.14096						
#1	807.22	2153.1	19067.	1735.6						
#2	804.68	2155.0	18880.	1735.8						
#3	806.48	2155.6	18946.	1731.5						

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Sample Name: MP34489-D2 Acquired: 10/12/2018 10:16:01 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0000	.0177	-.0009	.0102	-.0002	14.37	-.0001	-.0004	.0011
Stddev	.0001	.0082	.0012	.0002	.0001	.06	.0000	.0001	.0002
%RSD	459.7	46.68	130.0	2.116	36.23	4.093	56.71	26.50	20.80
#1	.0001	.0265	-.0022	.0100	-.0002	14.43	.0001	-.0003	.0013
#2	.0001	.0164	.0000	.0101	-.0001	14.32	.0001	-.0005	.0010
#3	-.0001	.0101	-.0005	.0104	-.0003	14.37	.0000	-.0003	.0009
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)	(In2306)
Avg	.0010	.0227	.4020	.3991	.0297	.0001	F156.5	.0000	.0011
Stddev	.0003	.0023	.0197	.0339	.0001	.0001	.9	.0000	.0004
%RSD	26.81	10.32	4.905	8.495	.3240	194.5	.5640	670.2	34.82
#1	.0007	.0212	.4183	.4223	.0296	.0002	157.5	-.0002	.0007
#2	.0011	.0215	.3801	.3602	.0297	-.0001	155.9	.0000	.0014
#3	.0012	.0254	.4076	.4148	.0298	.0001	156.1	.0002	.0012
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0002	.0030	.0918	.0001	.0485	.0011	-.0025	.0005	.0299
Stddev	.0023	.0020	.0005	.0002	.0004	.0000	.0013	.0002	.0002
%RSD	917.1	67.87	.5387	206.2	.7432	3.957	51.40	45.84	.7888
#1	-.0023	.0028	.0915	-.0001	.0488	.0010	-.0015	.0003	.0301
#2	.0021	.0051	.0915	.0003	.0481	.0011	-.0040	.0007	.0296
#3	.0009	.0011	.0924	.0001	.0487	.0011	-.0022	.0005	.0300
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	801.41	2172.8	18855.	1739.7					
Stddev	1.91	1.5	38.	12.0					
%RSD	.23794	.07085	.19936	.68972					
#1	802.07	2171.4	18888.	1740.0					
#2	802.91	2174.4	18862.	1751.5					
#3	799.26	2172.5	18814.	1727.5					

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Sample Name: MP34489-MB2 Acquired: 10/12/2018 10:20:29 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0023	-.0009	-.0004	-.0001	.1238	.0000	-.0003	.0004
Stddev	.0001	.0055	.0013	.0001	.0000	.0029	.0000	.0002	.0001
%RSD	83.48	240.2	141.4	29.89	25.48	2.332	2.2208	52.55	35.12
#1	.0002	.0038	.0001	-.0005	-.0001	.1209	.0000	-.0001	.0003
#2	.0000	-.0038	-.0004	-.0005	-.0002	.1239	.0000	-.0005	.0002
#3	.0002	.0068	-.0024	-.0003	-.0001	.1267	-.0001	-.0004	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0009	.2815	.0277	.0001	-.0006	F159.0	.0006	-.0005
Stddev	.0000	.0021	.0227	.0256	.0000	.0003	.1	.0003	.0008
%RSD	193.6	224.7	8.069	92.43	6.779	57.94	.0383	44.03	172.4
#1	.0000	-.0014	.3060	.0067	.0001	-.0008	159.0	.0005	.0005
#2	-.0001	.0027	.2611	.0562	.0001	-.0002	159.1	.0009	-.0011
#3	-.0001	.0014	.2773	.0202	.0001	-.0007	159.0	.0004	-.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							2.500		
Low Limit							-2.500		
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0008	.0540	.0002	.0017	.0000	-.0030	.0002	.0026
Stddev	.0003	.0002	.0004	.0003	.0001	.0000	.0012	.0002	.0000
%RSD	43.59	23.94	.6696	180.8	4.067	462.2	38.95	104.3	1.313
#1	.0010	.0007	.0541	.0000	.0018	.0000	-.0043	.0001	.0026
#2	.0004	.0007	.0536	.0006	.0017	-.0002	-.0024	.0001	.0026
#3	.0007	.0010	.0543	.0000	.0017	.0001	-.0022	.0005	.0026
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0008	.0540	.0002	.0017	.0000	-.0030	.0002	.0026
Stddev	.0003	.0002	.0004	.0003	.0001	.0000	.0012	.0002	.0000
%RSD	43.59	23.94	.6696	180.8	4.067	462.2	38.95	104.3	1.313
#1	.0010	.0007	.0541	.0000	.0018	.0000	-.0043	.0001	.0026
#2	.0004	.0007	.0536	.0006	.0017	-.0002	-.0024	.0001	.0026
#3	.0007	.0010	.0543	.0000	.0017	.0001	-.0022	.0005	.0026
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

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Sample Name: MP34489-MB2 Acquired: 10/12/2018 10:20:29 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	809.78	2179.4	18944.	1733.0
Stddev	1.61	5.4	122.	9.2
%RSD	.19870	.24798	.64425	.52834
#1	811.27	2183.9	19017.	1738.3
#2	810.01	2173.4	19011.	1738.3
#3	808.08	2181.0	18803.	1722.5

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Sample Name: MP34489-B2 Acquired: 10/12/2018 10:24:57 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0497	25.71	1.896	1.863	.0489	24.32	.0489	.4899	.2073
Stddev	.0004	.09	.005	.011	.0003	.06	.0000	.0010	.0002
%RSD	.7131	.3391	.2441	.5666	.6576	.2376	.0885	.2031	.1030
#1	.0498	25.81	1.893	1.874	.0493	24.37	.0489	.4888	.2071
#2	.0499	25.63	1.901	1.859	.0488	24.25	.0488	.4900	.2075
#3	.0493	25.70	1.894	1.854	.0487	24.33	.0488	.4908	.2074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2507	24.76	23.74	23.05	.4995	.4580	F178.9	.4870	.4814
Stddev	.0016	.11	.09	.02	.0004	.0005	.6	.0011	.0013
%RSD	.6315	.4342	.3832	.1056	.0874	.1117	.3481	.2232	.2785
#1	.2514	24.87	23.84	23.03	.4990	.4574	179.6	.4859	.4828
#2	.2518	24.65	23.72	23.04	.4994	.4583	178.7	.4873	.4813
#3	.2489	24.76	23.66	23.08	.4999	.4583	178.4	.4880	.4801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value Range							25.00		
							20.00%		
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4739	1.902	.2798	.4533	.4832	.4971	1.882	.4826	.4911
Stddev	.0010	.004	.0004	.0010	.0021	.0024	.007	.0010	.0014
%RSD	.2094	.2039	.1508	.2281	.4329	.4730	.3614	.2095	.2840
#1	.4748	1.898	.2793	.4523	.4853	.4998	1.879	.4814	.4898
#2	.4728	1.903	.2798	.4534	.4830	.4954	1.889	.4832	.4926
#3	.4740	1.906	.2802	.4543	.4812	.4961	1.876	.4831	.4908
Check ?	Chk Pass	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value Range									

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Sample Name: MP34489-B2 Acquired: 10/12/2018 10:24:57 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	776.32	2187.9	18897.	1750.6
Stddev	.53	.8	119.	3.9
%RSD	.06874	.03771	.62891	.22156
#1	776.05	2188.5	18877.	1750.0
#2	775.98	2186.9	19025.	1754.8
#3	776.94	2188.1	18790.	1747.1

Sample Name: MP34489-MB3 Acquired: 10/12/2018 10:29:09 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.007	-0.092	-0.004	-0.011	-0.003	.0068	-0.001	-0.002	.0006	.0003
Stddev	.0005	.0056	.0007	.0003	.0000	.0012	.0000	.0001	.0002	.0001
%RSD	71.86	60.55	168.9	25.00	16.60	18.14	32.99	45.33	31.21	52.97
#1	-0.011	-0.034	-0.009	-0.013	-0.003	.0078	-0.001	-0.001	.0004	.0002
#2	-0.008	-0.097	.0004	-0.013	-0.002	.0072	.0000	-0.003	.0007	.0001
#3	-0.001	-0.145	-0.007	-0.008	-0.003	.0054	-0.001	-0.003	.0007	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0051	.0129	-0.0320	.0000	-0.0003	.0167	-0.0004	-0.0007	-0.0001	.0023
Stddev	.0028	.0114	.0254	.0000	.0001	.0029	.0001	.0001	.0011	.0002
%RSD	54.44	88.55	79.35	500.1	31.57	17.33	26.94	16.68	830.1	9.194
#1	.0083	.0086	-0.060	.0000	-0.003	.0187	-0.003	-0.007	-0.004	.0025
#2	.0035	.0043	-0.333	.0001	-0.002	.0134	-0.006	-0.008	-0.011	.0021
#3	.0035	.0259	-0.567	-0.001	-0.004	.0180	-0.004	-0.006	.0011	.0024

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0355	.0004	.0000	.0001	-0.0011	.0003	.0023
Stddev	.0005	.0001	.0000	.0000	.0004	.0002	.0000
%RSD	1.364	25.45	1373.	14.39	41.53	88.95	2.160
#1	.0349	.0004	-0.002	.0001	-0.006	.0004	.0022
#2	.0357	.0005	.0000	.0002	-0.013	.0000	.0023
#3	.0358	.0003	.0001	.0002	-0.013	.0005	.0023

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: MP34489-MB3 Acquired: 10/12/2018 10:29:09 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	929.20	2310.2	20023.	1773.5
Stddev	4.31	7.6	60.	1.7
%RSD	.46437	.32928	.29760	.09734
#1	929.57	2311.3	19997.	1775.1
#2	924.71	2302.0	19980.	1771.7
#3	933.31	2317.1	20091.	1773.9

Sample Name: MP34489-B3 Acquired: 10/12/2018 10:33:38 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0502	25.88	1.869	1.858	.0489	24.35	.0492	.5003	.2129	.2572
Stddev	.0009	.05	.003	.006	.0003	.04	.0001	.0008	.0013	.0004
%RSD	1.824	.1953	.1734	.3291	.6100	.1562	.1424	.1662	.6094	.1491
#1	.0506	25.94	1.871	1.864	.0493	24.38	.0492	.4998	.2144	.2573
#2	.0491	25.86	1.865	1.852	.0487	24.30	.0493	.4997	.2119	.2567
#3	.0507	25.85	1.871	1.860	.0488	24.36	.0493	.5012	.2125	.2575

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.73	23.45	23.12	.5119	.4640	24.01	.4938	.4801	.4743	1.880
Stddev	.08	.07	.09	.0017	.0007	.02	.0013	.0021	.0018	.010
%RSD	.3169	.2882	.3957	.3384	.1550	.0862	.2597	.4463	.3794	.5155
#1	24.74	23.50	23.16	.5137	.4638	24.03	.4938	.4803	.4739	1.891
#2	24.65	23.37	23.17	.5116	.4634	23.98	.4925	.4779	.4727	1.872
#3	24.81	23.47	23.01	.5103	.4648	24.01	.4951	.4822	.4763	1.878

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2641	.4599	.4854	.5070	1.927	.4879	.4895
Stddev	.0009	.0014	.0010	.0008	.007	.0010	.0010
%RSD	.3439	.3062	.1999	.1503	.3437	.2067	.1999
#1	.2647	.4601	.4860	.5071	1.931	.4890	.4885
#2	.2631	.4584	.4842	.5077	1.919	.4876	.4895
#3	.2647	.4611	.4859	.5062	1.931	.4870	.4905

Check ? Value Range
 None Chk Pass None None Chk Pass Chk Pass Chk Pass

Sample Name: MP34489-B3 Acquired: 10/12/2018 10:33:38 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	826.18	2256.2	19379.	1777.2
Stddev	2.89	6.5	71.	13.0
%RSD	.34969	.28885	.36756	.73427
#1	827.46	2262.1	19300.	1762.4
#2	828.21	2257.3	19399.	1782.0
#3	822.88	2249.2	19438.	1787.1

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Sample Name: MP34491-MB1 Acquired: 10/12/2018 10:37:48 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.006	-0.078	-0.008	-0.009	-0.001	.0036	-0.001	-0.003	.0007	-0.002
Stddev	.009	.0118	.0014	.0003	.0001	.0041	.0000	.0001	.0004	.0004
%RSD	144.9	151.5	170.7	30.72	64.16	114.1	49.32	41.14	60.16	232.4
#1	-0.003	-0.066	-0.024	-0.006	-0.003	.0046	.0000	-0.002	.0003	.0002
#2	-0.017	.0034	-0.001	-0.009	-0.001	-0.009	-0.001	-0.002	.0011	-0.006
#3	.0001	-0.202	.0000	-0.012	-0.001	.0071	-0.001	-0.004	.0008	-0.001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032	.0203	-0.0150	-0.0001	-0.0002	-0.0165	-0.0005	-0.0001	.0014	.0046
Stddev	.0042	.0042	.0052	.0000	.0001	.0095	.0003	.0007	.0012	.0006
%RSD	131.9	20.55	34.52	16.43	28.18	57.49	64.96	1070.	84.22	13.54
#1	.0079	.0242	-0.165	-0.001	-0.001	-0.056	-0.009	.0005	.0019	.0045
#2	.0001	.0159	-0.192	-0.002	-0.002	-0.230	-0.005	.0001	.0001	.0040
#3	.0014	.0209	-0.092	-0.001	-0.003	-0.209	-0.002	-0.009	.0022	.0052

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0345	-0.0001	.0001	.0000	-0.0012	.0001	.0019
Stddev	.0008	.0002	.0000	.0001	.0001	.0003	.0001
%RSD	2.353	301.8	50.63	390.8	9.545	351.6	2.967
#1	.0336	.0001	.0000	.0001	-0.013	.0002	.0019
#2	.0348	.0000	.0000	-0.001	-0.011	-0.003	.0019
#3	.0352	-0.003	.0001	.0001	-0.011	.0003	.0018

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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Sample Name: MP34491-MB1 Acquired: 10/12/2018 10:37:48 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	931.16	2320.9	20089.	1783.7
Stddev	4.24	2.5	105.	13.2
%RSD	.45586	.10723	.52170	.74272
#1	929.46	2323.3	20074.	1776.1
#2	928.03	2318.3	19992.	1776.0
#3	935.99	2321.2	20200.	1799.0

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Sample Name: CCV Acquired: 10/12/2018 10:42:17 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2537	40.24	1.961	1.898	1.986	40.41	2.065	2.055	2.194	2.100
Stddev	.0012	.21	.003	.008	.009	.20	.004	.004	.004	.009
%RSD	.4788	.5318	.1714	.4211	.4663	.5010	.1842	.2110	.1726	.4122
#1	.2524	40.00	1.960	1.889	1.976	40.18	2.060	2.050	2.198	2.106
#2	.2548	40.33	1.964	1.903	1.990	40.49	2.067	2.057	2.192	2.105
#3	.2537	40.40	1.958	1.903	1.994	40.56	2.067	2.057	2.191	2.090

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.63	39.10	38.55	2.118	2.035	40.19	1.990	2.070	1.983	1.987
Stddev	.23	.16	.25	.004	.007	.17	.003	.010	.002	.009
%RSD	.5852	.4176	.6577	.1630	.3265	.4249	.1259	.4970	.0802	.4422
#1	39.39	38.92	38.35	2.116	2.027	40.00	1.987	2.076	1.984	1.988
#2	39.63	39.24	38.46	2.115	2.037	40.25	1.991	2.058	1.981	1.996
#3	39.86	39.14	38.83	2.122	2.040	40.33	1.991	2.075	1.984	1.979

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.778	1.996	2.016	2.153	2.078	2.089	2.054
Stddev	.004	.005	.009	.018	.011	.008	.003
%RSD	.2454	.2450	.4283	.8455	.5207	.3764	.1668
#1	1.775	1.991	2.006	2.172	2.088	2.098	2.050
#2	1.783	2.001	2.019	2.150	2.067	2.088	2.056
#3	1.775	1.996	2.023	2.136	2.079	2.082	2.055

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: CCV Acquired: 10/12/2018 10:42:17 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	774.20	2202.5	18791.	1735.4
Stddev	2.33	5.1	70.	16.6
%RSD	.30122	.23292	.37482	.95852
#1	772.35	2208.0	18711.	1754.3
#2	776.82	2197.9	18815.	1723.1
#3	773.43	2201.5	18846.	1728.8

Sample Name: CCB Acquired: 10/12/2018 10:46:24 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-.0025	-.0002	-.0007	.0001	.0019	.0002	.0000	.0007
Stddev	.0005	.0097	.0009	.0003	.0001	.0027	.0000	.000	.0002
%RSD	530.9	385.9	429.6	36.24	130.4	145.5	18.82	333.3	37.43
#1	.0005	.0027	.0003	-.0009	.0002	.0010	.0001	-.0001	.0005
#2	.0003	-.0137	.0003	-.0008	.0000	.0049	.0002	-.0001	.0006
#3	-.0005	.0035	-.0013	-.0004	.0001	-.0003	.0001	.0001	.0009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	.0143	.0175	-.0165	.0001	F.0034	-.0160	.0000	-.0001
Stddev	.0003	.0017	.0197	.0178	.0001	.0009	.0066	.000	.0006
%RSD	86.65	11.70	112.4	107.8	55.82	26.40	41.39	597.7	547.2
#1	-.0001	.0129	.0194	-.0286	.0000	.0042	-.0172	.0001	.0004
#2	-.0003	.0137	.0362	-.0248	.0001	.0034	-.0220	-.0003	.0000
#3	-.0007	.0161	-.0030	.0039	.0002	.0025	-.0089	.0001	-.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit .0010
 Low Limit -.0010

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	.0007	.0008	.0001	.0001	.0011	-.0006	.0003	.0005
Stddev	.0010	.0004	.0005	.0003	.0000	.0002	.0011	.0001	.0001
%RSD	65.16	63.31	63.52	363.4	32.82	16.63	170.2	52.29	11.09
#1	.0004	.0005	.0012	.0001	.0001	.0013	-.0012	.0001	.0005
#2	.0021	.0003	.0002	-.0003	.0001	.0010	.0006	.0004	.0006
#3	.0020	.0011	.0009	.0004	.0002	.0010	-.0014	.0003	.0005

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 10/12/2018 10:46:24 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	918.61	2298.1	19441.	1777.0
Stddev	.91	5.1	98.	5.2
%RSD	.09938	.21990	.50383	.29206
#1	919.21	2302.8	19471.	1771.4
#2	919.05	2298.7	19520.	1781.7
#3	917.56	2292.8	19331.	1777.7

Sample Name: CCV Acquired: 10/12/2018 11:14:18 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2411	39.86	1.990	2.005	2.020	40.22	2.008	2.004	1.992	1.980
Stddev	.0009	.12	.002	.007	.006	.07	.001	.004	.002	.006
%RSD	.3931	.3060	.0990	.3546	.3236	.1824	.0389	.1759	.1049	.3107
#1	.2418	40.00	1.992	2.013	2.028	40.31	2.009	2.005	1.994	1.983
#2	.2400	39.80	1.989	2.001	2.016	40.19	2.008	2.006	1.990	1.985
#3	.2415	39.77	1.990	2.000	2.017	40.18	2.008	2.000	1.993	1.973

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.35	40.09	39.94	2.004	2.013	39.93	2.007	1.991	1.989	2.004
Stddev	.07	.09	.15	.004	.004	.10	.002	.003	.003	.004
%RSD	.1704	.2267	.3811	.2254	.1891	.2433	.0851	.1567	.1727	.1906
#1	40.28	40.19	39.86	2.000	2.009	40.03	2.008	1.993	1.990	2.008
#2	40.35	40.01	40.12	2.003	2.015	39.84	2.007	1.992	1.992	2.001
#3	40.42	40.08	39.84	2.008	2.016	39.92	2.005	1.987	1.986	2.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.796	2.065	2.035	2.012	2.010	2.017	2.009
Stddev	.004	.003	.005	.010	.003	.002	.002
%RSD	.2532	.1591	.2284	.4993	.1459	.1054	.0975
#1	1.801	2.068	2.040	2.016	2.013	2.018	2.012
#2	1.796	2.063	2.030	2.019	2.008	2.015	2.008
#3	1.792	2.063	2.034	2.000	2.008	2.019	2.009

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Sample Name: CCV Acquired: 10/12/2018 11:14:18 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	780.98	2205.8	19165.	1743.0
Stddev	.22	1.2	22.	11.8
%RSD	.02785	.05548	.11540	.67782
#1	781.21	2205.8	19149.	1755.8
#2	780.78	2207.1	19156.	1732.6
#3	780.94	2204.6	19190.	1740.6

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Sample Name: CCB Acquired: 10/12/2018 11:20:00 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0102	.0008	.0003	.0003	.0104	.0002	.0003	.0004
Stddev	.0005	.0181	.0013	.0003	.0001	.0030	.0000	.0001	.0002
%RSD	531.1	177.3	165.6	96.36	57.07	29.15	20.90	24.32	54.22
#1	-.0005	.0287	-.0004	.0003	.0003	.0108	.0002	.0002	.0006
#2	.0003	-.0074	.0005	.0000	.0003	.0132	.0002	.0003	.0003
#3	.0004	.0093	.0022	.0007	.0001	.0072	.0001	.0003	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0093	.0054	.0177	.0002	F.0028	-.0085	.0005	.0003
Stddev	.0002	.0028	.0230	.0291	.0000	.0005	.0058	.0001	.0005
%RSD	37.02	29.61	429.5	165.1	8.970	16.71	67.77	28.19	135.1
#1	.0006	.0124	.0252	.0513	.0003	.0032	-.0082	.0005	.0008
#2	.0005	.0071	.0108	-.0005	.0002	.0027	-.0145	.0006	-.0001
#3	.0009	.0084	-.0199	.0022	.0002	.0023	-.0029	.0004	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0007	.0000	.0010	.0004	.0004	.0009	.0008	.0000	.0004
Stddev	.0004	.002	.0005	.0001	.0001	.0001	.0008	.0002	.0001
%RSD	52.64	26260.	47.74	41.18	15.72	11.51	101.6	789.0	19.81
#1	-.0003	-.0014	.0010	.0005	.0005	.0008	.0003	-.0001	.0005
#2	-.0010	-.0015	.0005	.0004	.0003	.0010	.0017	-.0001	.0005
#3	-.0009	.0028	.0014	.0002	.0004	.0009	.0004	.0003	.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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7.1
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Sample Name: CCB Acquired: 10/12/2018 11:20:00 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	924.86	2281.1	20131.	1733.1
Stddev	.51	4.9	96.	2.8
%RSD	.05510	.21391	.47902	.16312
#1	925.16	2284.0	20227.	1732.2
#2	924.27	2275.5	20134.	1736.3
#3	925.15	2283.8	20034.	1730.9

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Sample Name: MP34491-B1 Acquired: 10/12/2018 11:23:53 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0499	26.64	1.984	2.090	.0526	25.18	.0500	.5090	.1985	.2499
Stddev	.0005	.20	.006	.017	.0002	.14	.0001	.0009	.0006	.0011
%RSD	1.036	.7347	.3232	.8025	.4565	.5496	.2012	.1852	.2858	.4204
#1	.0494	26.41	1.981	2.071	.0523	25.03	.0500	.5079	.1989	.2502
#2	.0499	26.72	1.991	2.094	.0526	25.31	.0499	.5098	.1987	.2508
#3	.0505	26.78	1.979	2.104	.0528	25.20	.0501	.5092	.1979	.2487

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.16	25.26	25.24	.5025	.4765	24.91	.5210	.4825	.4972	1.963
Stddev	.09	.14	.13	.0008	.0008	.15	.0006	.0019	.0040	.009
%RSD	.3519	.5664	.5291	.1634	.1754	.5899	.1217	.4039	.7963	.4748
#1	26.05	25.10	25.08	.5031	.4756	24.74	.5203	.4834	.4959	1.957
#2	26.20	25.36	25.31	.5028	.4772	24.99	.5211	.4839	.5016	1.958
#3	26.22	25.33	25.31	.5015	.4767	25.00	.5215	.4803	.4940	1.974

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2822	.4972	.5117	.4838	1.936	.4873	.4993
Stddev	.0013	.0026	.0029	.0027	.005	.0009	.0008
%RSD	.4600	.5219	.5651	.5486	.2700	.1922	.1522
#1	.2833	.4953	.5087	.4868	1.941	.4883	.4984
#2	.2827	.5002	.5119	.4818	1.938	.4864	.4997
#3	.2808	.4961	.5145	.4828	1.930	.4872	.4998

Check ? Value Range
 None Chk Pass None None Chk Pass Chk Pass Chk Pass

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Sample Name: MP34491-B1 Acquired: 10/12/2018 11:23:53 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	808.75	2188.7	1935.7	1706.4
Stddev	.54	1.2	67.	15.8
%RSD	.06682	.05535	.34811	.92782
#1	808.40	2189.7	1927.9	1712.0
#2	809.37	2189.2	1940.2	1688.5
#3	808.48	2187.4	1939.0	1718.7

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Sample Name: FA58183-13 Acquired: 10/12/2018 11:28:04 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.000	.0903	.0206	.0189	-.0002	29.95	-.0001	-.0002	.0010	.0002
Stddev	.0007	.0073	.0009	.0002	.0001	.24	.0000	.0002	.0004	.0001
%RSD	30310.	8.072	4.196	1.038	49.65	.7930	29.78	115.6	45.27	37.28
#1	-.0007	.0982	.0199	.0188	-.0001	30.11	-.0001	.0000	.0009	.0002
#2	.0008	.0889	.0205	.0191	-.0002	30.06	-.0001	-.0004	.0014	.0002
#3	.0000	.0838	.0216	.0188	-.0002	29.68	-.0001	-.0001	.0006	.0003
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	2853	5.118	4.323	.0081	.0008	41.34	.0003	.0004	-.0009	.0034
Stddev	.0055	.049	.015	.0000	.0001	.29	.0002	.0002	.0020	.0025
%RSD	1.945	.9548	.3375	.2515	13.54	.7103	60.22	53.74	212.7	75.84
#1	2905	5.142	4.310	.0081	.0009	41.49	.0001	.0004	-.0032	.0048
#2	2859	5.150	4.320	.0080	.0007	41.54	.0003	.0002	.0006	.0004
#3	2794	5.062	4.338	.0081	.0008	41.00	.0004	.0007	-.0002	.0048
Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	1.822	.0008	.0488	.0017	.0013	.0032	.0017			
Stddev	.006	.0002	.0003	.0001	.0006	.0003	.0001			
%RSD	.3265	22.35	5807	3.510	45.92	8.074	5.738			
#1	1.817	.0007	.0489	.0016	.0017	.0033	.0016			
#2	1.821	.0010	.0491	.0017	.0015	.0033	.0018			
#3	1.828	.0009	.0485	.0017	.0006	.0029	.0017			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	843.11	2210.6	1943.7	1736.6						
Stddev	1.16	5.2	19.	18.7						
%RSD	.13735	.23736	.09787	1.0756						
#1	842.41	2213.7	1942.7	1726.0						
#2	844.45	2213.5	1945.9	1725.7						
#3	842.47	2204.5	1942.5	1758.2						

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Sample Name: MP34491-D1 Acquired: 10/12/2018 11:32:32 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0003	.0822	.0227	.0192	-.0001	30.79	-.0001	-.0002	.0013	.0000
Stddev	.0004	.0054	.0015	.0000	.0001	.12	.0000	.0000	.0001	.000
%RSD	159.8	6.589	6.705	.0980	83.12	3.751	61.91	18.07	11.40	182.5
#1	-.0003	.0822	.0214	.0192	-.0002	30.76	-.0001	-.0002	.0014	.0000
#2	-.0002	.0875	.0223	.0193	-.0000	30.92	.0000	-.0002	.0012	-.0002
#3	-.0006	.0767	.0244	.0192	-.0001	30.69	-.0001	-.0003	.0012	.0000
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	2889	5.269	4.445	.0083	.0000	42.54	.0004	.0003	-.0007	.0049
Stddev	.0020	.032	.033	.0001	.0001	.14	.0000	.0005	.0014	.0024
%RSD	.6771	.6084	.7354	.9411	275.5	3.345	13.30	151.1	218.0	48.15
#1	.2888	5.267	4.411	.0082	.0000	42.60	.0003	-.0001	-.0018	.0022
#2	.2869	5.302	4.476	.0083	.0001	42.65	.0004	.0009	.0010	.0062
#3	.2908	5.237	4.447	.0083	.0000	42.38	.0003	.0002	-.0012	.0064
Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	1.873	.0001	.0501	.0014	-.0001	.0032	.0015			
Stddev	.005	.0002	.0002	.0001	.0010	.0001	.0001			
%RSD	.2579	233.5	.2994	9.642	752.7	4.560	5.921			
#1	1.868	-.0002	.0500	.0014	-.0012	.0031	.0015			
#2	1.874	.0002	.0501	.0012	.0006	.0033	.0014			
#3	1.877	.0003	.0503	.0015	.0003	.0033	.0016			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	842.91	2218.8	1962.9	1744.9						
Stddev	1.43	3.3	94.	4.1						
%RSD	.16964	.14691	.47636	.23239						
#1	841.53	2218.1	1965.3	1748.8						
#2	842.82	2222.3	1952.6	1745.4						
#3	844.39	2215.9	1970.8	1740.7						

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Sample Name: MP34491-SD1 Acquired: 10/12/2018 11:36:58 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0019	.1264	.0250	.0192	-.0009	31.14	-.0002	-.0003	.0014	.0016
Stddev	.0010	.0347	.0079	.0007	.0002	.21	.0004	.0004	.0013	.0016
%RSD	51.20	27.44	31.47	3.554	17.78	.6795	151.3	168.0	93.00	96.46
#1	-.0029	.0893	.0299	.0186	-.0009	31.30	-.0002	-.0002	.0021	.0004
#2	-.0010	.1580	.0159	.0191	-.0010	30.90	-.0005	-.0006	.0023	.0011
#3	-.0017	.1320	.0291	.0200	-.0007	31.22	-.0003	-.0005	-.0001	.0034
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	3146	5.333	4.594	.0082	-.0001	43.26	.0014	-.0007	-.0059	.0098
Stddev	.0244	.202	.309	.0003	.0003	.21	.0004	.0013	.0039	.0047
%RSD	7.757	3.793	6.728	4.053	371.8	4.941	32.97	184.9	66.26	47.51
#1	.3345	5.562	4.284	.0079	-.0002	43.46	.0014	-.0002	-.0092	.0132
#2	.2874	5.179	4.596	.0083	.0003	43.03	.0009	-.0022	-.0016	.0045
#3	.3220	5.258	4.903	.0085	-.0004	43.28	.0018	-.0001	-.0070	.0117
Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	1.887	-.0013	.0505	.0023	.0084	.0028	.0023			
Stddev	.003	.0026	.0005	.0008	.0041	.0029	.0001			
%RSD	.1809	200.6	1.064	35.41	48.63	102.7	5.207			
#1	1.886	.0015	.0510	.0016	.0037	.0062	.0024			
#2	1.883	-.0037	.0500	.0022	.0104	.0008	.0022			
#3	1.890	-.0017	.0505	.0032	.0112	.0015	.0023			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	896.64	2275.5	1988.7	1748.1						
Stddev	1.78	3.5	82.	11.3						
%RSD	.19889	.15582	.41444	.64555						
#1	897.62	2278.2	1997.4	1742.9						
#2	897.71	2276.9	1987.5	1761.1						
#3	894.58	2271.5	1981.1	1740.4						

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Sample Name: MP34491-PS1 Acquired: 10/12/2018 11:41:25 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0474	2.457	.1218	.2647	.0494	34.22	.0478	.0487	.0486	.0980
Stddev	.0008	.010	.0018	.0014	.0003	.15	.0001	.0001	.0006	.0004
%RSD	1.677	.4238	1.475	.5389	.5985	4.382	.1428	.2459	1.307	.4039

#1	.0472	2.463	.1235	.2650	.0497	34.37	.0478	.0486	.0480	.0977
#2	.0483	2.463	.1222	.2632	.0492	34.07	.0479	.0488	.0484	.0984
#3	.0468	2.445	.1199	.2660	.0493	34.21	.0477	.0487	.0492	.0979

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	3.200	14.64	9.207	0.560	0.916	49.99	.0997	.0453	.0974	.0962
Stddev	.008	.07	.076	.0002	.0007	.19	.0011	.0001	.0004	.0021
%RSD	.2595	.4755	.8295	.4289	.8166	3.813	1.089	.2996	.3959	2.155

#1	3.207	14.64	9.276	.0563	.0917	50.21	.0997	.0455	.0977	.0985
#2	3.201	14.57	9.125	.0558	.0924	49.87	.1008	.0453	.0975	.0946
#3	3.191	14.71	9.219	.0559	.0909	49.88	.0986	.0453	.0970	.0954

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.817	.0475	.0968	.0977	.0922	.0509	.2420
Stddev	.009	.0006	.0001	.0006	.0007	.0003	.0008
%RSD	.5129	1.367	.0614	.5862	.8069	.5044	3.162

#1	1.823	.0477	.0968	.0971	.0930	.0512	.2422
#2	1.822	.0480	.0968	.0983	.0915	.0507	.2426
#3	1.806	.0468	.0969	.0976	.0921	.0510	.2411

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	822.81	2208.9	19390.	1730.8
Stddev	3.38	9.6	39.	17.8
%RSD	.41021	.43443	.20043	1.0313

#1	820.59	2209.9	19435.	1734.5
#2	821.16	2198.9	19371.	1746.5
#3	826.70	2218.0	19365.	1711.4

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Sample Name: MP34491-S1 Acquired: 10/12/2018 11:45:44 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0496	26.49	1.986	2.031	.0517	55.21	.0487	.4959	.1972	.2491
Stddev	.0004	.077	.006	.006	.0002	.16	.0001	.0009	.0003	.0009
%RSD	.7584	.2776	.3267	.3179	.4280	2817	.1433	.1847	.1371	.3607

#1	.0492	26.57	1.981	2.035	.0516	55.39	.0488	.4969	.1975	.2496
#2	.0499	26.42	1.983	2.024	.0514	55.09	.0486	.4951	.1970	.2480
#3	.0497	26.47	1.993	2.034	.0519	55.16	.0487	.4957	.1971	.2495

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	26.24	29.88	29.23	.5038	.4672	66.57	.5071	.4829	.4873	1.757
Stddev	.11	.12	.20	.0004	.0012	.28	.0009	.0028	.0022	.006
%RSD	.4026	.4080	.6866	.0078	.2480	4.248	.0169	.5902	.4546	.3535

#1	26.36	30.01	29.36	.5043	.4669	66.90	.5072	.4830	.4853	1.751
#2	26.16	29.77	29.00	.5037	.4662	66.41	.5061	.4856	.4870	1.763
#3	26.21	29.85	29.33	.5035	.4684	66.41	.5078	.4799	.4897	1.756

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	2.110	.4810	.5509	.4851	1.922	.4863	.4887
Stddev	.007	.0011	.0014	.0014	.003	.0010	.0001
%RSD	.3552	.2334	.2568	.2808	.1586	.2117	.0262

#1	2.111	.4811	.5525	.4835	1.925	.4852	.4889
#2	2.101	.4798	.5502	.4859	1.923	.4867	.4886
#3	2.116	.4821	.5500	.4858	1.919	.4871	.4887

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	784.62	2198.4	19219.	1719.8
Stddev	2.62	4.5	58.	10.9
%RSD	.33385	.20421	.30421	.63509

#1	783.13	2195.9	19287.	1715.3
#2	783.08	2203.6	19186.	1732.2
#3	787.65	2195.7	19185.	1711.8

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7.1
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Zoom In Zoom Out

Sample Name: MP34491-S2 Acquired: 10/12/2018 11:49:55 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0492	26.24	1.967	2.043	.0516	53.68	.0480	.4886	.1945	.2466
Stddev	.0010	.09	.006	.0006	.0001	.12	.0002	.0014	.0007	.0013
%RSD	2.045	.3241	.3254	.3053	.2205	2.274	.4652	.2953	.3606	.5447

#1	.0497	26.26	1.963	2.047	.0518	53.57	.0478	.4884	.1937	.2452
#2	.0480	26.15	1.964	2.036	.0516	53.64	.0480	.4873	.1949	.2479
#3	.0498	26.31	1.974	2.047	.0516	53.81	.0483	.4902	.1949	.2467

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	26.07	29.70	28.93	.4966	.4618	64.54	.5019	.4732	.4850	1.732
Stddev	.04	.08	.06	.0007	.0005	.13	.0018	.0019	.0027	.007
%RSD	.1687	.2554	.2170	.1448	.1178	2.044	.3604	.4050	.5486	.4190

#1	26.10	29.75	28.99	.4962	.4618	64.58	.5016	.4713	.4872	1.729
#2	26.02	29.61	28.87	.4962	.4613	64.39	.5003	.4733	.4820	1.727
#3	26.10	29.73	28.94	.4975	.4624	64.64	.5039	.4751	.4856	1.741

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	2.020	.4779	.5460	.4820	1.886	.4823	.4822
Stddev	.006	.0016	.0019	.0034	.004	.0011	.0017
%RSD	.2957	.3385	.3490	.6995	.2362	.2188	.3560

#1	2.018	.4767	.5471	.4793	1.891	.4820	.4816
#2	2.015	.4773	.5438	.4858	1.882	.4834	.4809
#3	2.027	.4797	.5470	.4810	1.886	.4813	.4842

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	789.48	2199.2	19216.	1706.4
Stddev	1.06	4.1	13.	10.0
%RSD	.13388	.18571	.06696	.58603

#1	790.31	2200.6	19202.	1716.6
#2	789.84	2202.4	19227.	1706.1
#3	788.29	2194.6	19218.	1696.6

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Zoom In Zoom Out

Sample Name: FA58281-15 Acquired: 10/12/2018 11:54:06 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0003	.0430	.0832	.0149	-.0002	690.7	-.0001	-.0007	.0069
Stddev	.0009	.0496	.0024	.0008	.0004	3.1	.0003	.0005	.0010
%RSD	347.5	115.3	2.867	5.593	206.6	.4493	660.9	66.29	14.52

#1	-.0007	-.0032	.0835	.0149	-.0002	693.0	-.0004	-.0005	.0079
#2	.0008	.0369	.0807	.0157	-.0006	691.8	.0000	-.0012	.0068
#3	-.0009	.0953	.0855	.0140	.0002	687.2	.0002	-.0003	.0059

Sample Name: FA58281-16 Acquired: 10/12/2018 11:58:42 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0014	.0790	-.0043	.0116	-.0008	638.5	-.0004	-.0010	.0058
Stddev	.0016	.0416	.0052	.0011	.0003	3.6	.0003	.0012	.0016
%RSD	112.4	52.63	119.7	9.253	37.44	.5684	72.78	117.1	27.75
#1	-.0004	.1180	-.0021	.0125	-.0011	642.6	-.0003	-.0004	.0075
#2	.0022	.0838	-.0006	.0104	-.0005	635.9	-.0002	-.0024	.0043
#3	.0025	.0352	-.0102	.0118	-.0008	636.8	-.0008	-.0002	.0057
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0017	.0913	25.14	439.1	.0025	.0190	F1879.	.0000	.0100
Stddev	.0026	.0029	.08	.9	.0002	.0011	37.	.0010	.0040
%RSD	152.1	3.148	.3312	.2067	6.115	5.555	1.967	5586.	40.17
#1	.0019	.0884	25.23	440.0	.0026	.0194	1920.	.0009	.0107
#2	-.0010	.0915	25.06	439.0	.0024	.0178	1850.	.0002	.0137
#3	.0042	.0941	25.13	438.2	.0024	.0197	1866.	-.0010	.0057
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0005	.0483	6.050	-.0010	11.99	.0087	.0000	.0041	.0034
Stddev	.0028	.0196	.009	.0004	.05	.0007	.002	.0018	.0006
%RSD	597.6	40.68	.1541	46.33	.4076	7.503	15310.	43.44	17.40
#1	.0037	.0709	6.040	-.0005	12.04	.0094	-.0005	.0054	.0028
#2	-.0012	.0383	6.051	-.0012	11.97	.0084	.0020	.0021	.0040
#3	-.0010	.0356	6.058	-.0013	11.95	.0082	-.0014	.0049	.0035
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	726.35	2038.1	17946.	1700.5					
Stddev	2.58	2.8	41.	14.6					
%RSD	.35536	.13510	.22750	.85857					
#1	723.54	2038.3	17993.	1692.3					
#2	726.89	2035.3	17918.	1717.3					
#3	728.61	2040.8	17928.	1691.8					

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Sample Name: FA58281-17 Acquired: 10/12/2018 12:03:17 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0036	.0916	-.0016	.0135	-.0008	700.7	-.0002	-.0012	.0037
Stddev	.0014	.0460	.0026	.0003	.0001	7.0	.0004	.0009	.0014
%RSD	38.56	50.19	163.7	2.507	12.99	1.005	162.8	77.51	36.31
#1	-.0027	.1254	-.0023	.0136	-.0007	708.8	-.0007	-.0020	.0040
#2	-.0029	.1101	-.0038	.0131	-.0008	697.6	-.0001	-.0013	.0049
#3	-.0052	.0393	.0013	.0138	-.0009	695.8	-.0002	-.0002	.0023
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0008	.0803	27.54	482.6	.0022	.0196	F2019.	.0013	.0039
Stddev	.0017	.0142	.35	6.0	.0003	.0007	56.	.0019	.0061
%RSD	214.2	17.63	1.280	1.243	15.21	3.453	2.790	147.6	155.6
#1	.0011	.0966	27.95	489.5	.0018	.0197	2077.	.0015	.0023
#2	-.0020	.0717	27.34	478.9	.0024	.0189	1964.	.0030	-.0012
#3	-.0015	.0726	27.34	479.4	.0025	.0202	2016.	-.0007	.0108
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0077	.0534	6.513	-.0019	13.17	.0085	.0002	.0040	.0031
Stddev	.0030	.0077	.038	.0017	.12	.0000	.0075	.0011	.0006
%RSD	38.24	14.38	5.857	91.93	9329.	.5788	4998.	26.85	19.52
#1	-.0111	.0447	6.557	-.0003	13.31	.0085	-.0084	.0033	.0038
#2	-.0055	.0591	6.497	-.0016	13.13	.0085	.0058	.0052	.0029
#3	-.0066	.0565	6.486	-.0038	13.08	.0085	.0030	.0034	.0027
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	719.02	2016.5	17767.	1684.7					
Stddev	2.49	2.4	78.	19.2					
%RSD	.34598	.11907	.43988	1.1396					
#1	721.52	2014.7	17850.	1673.4					
#2	716.54	2019.2	17754.	1706.8					
#3	719.01	2015.5	17695.	1673.7					

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Sample Name: CCV Acquired: 10/12/2018 12:07:51 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2416	40.12	2.012	2.053	2.048	40.39	2.005	2.005	1.953	1.972
Stddev	.0004	.12	.004	.011	.007	.23	.002	.002	.002	.005
%RSD	.1661	.2986	.1848	.5212	.3334	.5606	.1025	.1036	.1048	.2634
#1	.2413	40.23	2.010	2.059	2.055	40.64	2.004	2.004	1.952	1.976
#2	.2421	40.14	2.016	2.059	2.049	40.30	2.007	2.008	1.956	1.974
#3	.2415	39.99	2.010	2.041	2.041	40.21	2.003	2.004	1.952	1.966

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	41.11	40.67	40.86	1.983	2.026	39.71	2.033	1.980	2.012	2.033
Stddev	.06	.22	.18	.005	.007	.12	.001	.008	.003	.005
%RSD	.1342	.5367	.4505	.2448	.3300	.3076	.0401	.4227	.1395	.2570
#1	41.17	40.86	40.91	1.978	2.018	39.85	2.032	1.983	2.009	2.038
#2	41.11	40.72	41.01	1.984	2.028	39.64	2.034	1.971	2.013	2.028
#3	41.06	40.43	40.66	1.987	2.031	39.64	2.033	1.987	2.015	2.034

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.821	2.097	2.060	2.006	2.011	2.019	2.009
Stddev	.002	.001	.004	.008	.006	.002	.001
%RSD	.1064	.0445	.2203	.4191	.3180	.0742	.0523
#1	1.821	2.098	2.065	2.014	2.015	2.021	2.010
#2	1.823	2.096	2.059	2.006	2.004	2.019	2.008
#3	1.819	2.098	2.057	1.997	2.016	2.018	2.008

Check ? Value
 Range
 None Chk PassChk PassChk PassChk PassChk PassChk Pass

Raw Data MA15293 page 75 of 149

Sample Name: CCV Acquired: 10/12/2018 12:07:51 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	783.62	2200.7	19402.	1737.0
Stddev	3.17	2.7	64.	19.8
%RSD	.40493	.12296	.32754	1.1405
#1	783.66	2203.8	19475.	1714.9
#2	786.77	2199.2	19371.	1743.3
#3	780.42	2199.0	19361.	1753.0

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Sample Name: CCB Acquired: 10/12/2018 12:11:56 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	-0.0015	.0006	-0.0001	.0003	.0078	.0002	.0000	.0006
Stddev	.0001	.0093	.0004	.0001	.0001	.0065	.0001	.0001	.0003
%RSD	67.56	613.5	59.15	160.6	25.15	82.34	24.32	430.6	53.73
#1	.0003	.0019	.0008	.0000	.0003	.0017	.0002	.0001	.0003
#2	.0000	-0.0121	.0002	-0.0002	.0002	.0073	.0003	.0001	.0007
#3	.0003	.0056	.0010	.0000	.0003	.0146	.0002	-0.0001	.0010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0127	-0.0109	.0282	.0003	F.0037	.0239	.0004	.0002
Stddev	.0004	.0039	.0248	.0003	.0001	.0009	.0181	.0001	.0005
%RSD	90.17	30.88	227.1	1.109	31.30	24.66	75.69	27.84	197.4
#1	.0010	.0082	-0.0331	.0279	.0004	.0048	.0075	.0004	.0007
#2	.0001	.0144	.0158	.0285	.0004	.0035	.0433	.0006	-0.0002
#3	.0003	.0154	-0.0154	.0282	.0002	.0030	.0210	.0004	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	F.0027	.0015	.0007	.0004	.0014	.0004	.0002	.0005
Stddev	.0005	.0020	.0005	.0001	.0001	.0002	.0005	.0004	.0001
%RSD	248.2	75.63	31.05	18.64	20.06	16.96	119.6	250.3	11.54
#1	.0004	.0042	.0017	.0008	.0004	.0016	.0009	-0.0002	.0005
#2	-0.0003	.0004	.0017	.0006	.0003	.0013	.0005	.0005	.0004
#3	.0005	.0035	.0009	.0009	.0005	.0012	-0.0001	.0002	.0005

Sample Name: CCB Acquired: 10/12/2018 12:11:56 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	925.91	2286.4	20207.	1754.6
Stddev	3.04	3.4	31.	16.2
%RSD	.32824	.14911	.15281	.92151
#1	926.75	2285.0	20243.	1736.0
#2	928.44	2290.3	20188.	1765.1
#3	922.54	2284.0	20190.	1762.7

7.1
7

Sample Name: FA58281-23 Acquired: 10/12/2018 12:16:25 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.0013	.0635	.0081	.0206	-0.0003	931.6	-0.0002	-0.0013	.0025
Stddev	.0044	.1020	.0076	.0004	.0005	1.2	.0004	.0007	.0007
%RSD	336.7	160.7	93.91	1.765	154.4	.1331	165.3	49.72	26.61
#1	.0020	-0.0107	.0056	.0207	-0.0004	933.0	.0002	-0.0017	.0017
#2	-0.0063	.1799	.0021	.0202	-0.0008	930.6	-0.0004	-0.0017	.0030
#3	.0004	.0214	.0166	.0209	.0002	931.2	-0.0005	-0.0006	.0027

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-0.0001	.0214	36.88	295.4	-0.0005	.0819	F4351.	-0.0001	.0118
Stddev	.0007	.0304	.17	.3	.0001	.0014	67.	.0009	.0080
%RSD	758.0	142.4	454.6	.1180	11.12	1.718	1.549	975.2	67.50
#1	-0.0008	-0.0132	36.69	295.3	-0.0006	.0835	442.6	-0.0005	.0178
#2	.0005	.0440	36.97	295.1	-0.0005	.0809	429.6	.0009	.0148
#3	.0001	.0333	36.99	295.8	-0.0005	.0812	433.0	-0.0007	.0028

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0103	.0392	3.149	-0.046	17.01	.0077	-0.0012	.0024	.0046
Stddev	.0061	.0033	.019	.0013	.00	.0009	.0040	.0026	.0002
%RSD	59.02	8.434	.6155	28.19	.0272	11.31	326.6	110.0	4.098
#1	-0.0152	.0388	3.131	-0.0034	17.01	.0081	-0.0059	.0016	.0047
#2	-0.0123	.0362	3.147	-0.0060	17.01	.0082	.0009	.0053	.0047
#3	-0.0035	.0427	3.169	-0.0044	17.01	.0067	.0013	.0002	.0044

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	660.69	1930.1	16586.	1705.3
Stddev	1.81	2.7	51.	8.7
%RSD	.27468	.14240	.30848	.51143
#1	658.61	1930.7	16527.	1701.8
#2	661.93	1932.5	16618.	1715.3
#3	661.54	1927.1	16614.	1698.9

Sample Name: FA58281-24 Acquired: 10/12/2018 12:21:00 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0024	.0067	-0.0050	.0256	-0.0007	904.5	-0.0002	-0.0020	.0025
Stddev	.0001	.0426	.0011	.0023	.0002	3.8	.0002	.0013	.0018
%RSD	6.086	634.0	22.31	8.934	29.54	.4236	95.61	65.91	72.49
#1	.0026	.0368	-0.0048	.0231	-0.0005	904.5	-0.0001	-0.0005	.0015
#2	.0023	.0254	-0.0061	.0277	-0.0007	908.3	-0.0004	-0.0030	.0046
#3	.0023	-0.0421	-0.0039	.0260	-0.0009	900.6	-0.0001	-0.0024	.0014

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0004	.0198	38.67	265.2	.1338	.0614	F4826.	.0000	.0059
Stddev	.0007	.0279	.27	2.0	.0004	.0004	10.	.0006	.0026
%RSD	160.9	140.8	.7092	.7635	.2898	.7234	.2050	7045.	43.98
#1	.0008	.0338	38.53	265.5	.1342	.0619	4829.	-0.0006	.0030
#2	.0009	-0.0123	38.98	267.0	.1338	.0610	4834.	.0007	.0065
#3	-0.0004	.0380	38.49	263.0	.1334	.0613	4815.	.0000	.0081

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.0014	.1076	3.083	-0.044	14.69	.0070	.0018	.0007	.0094
Stddev	.0027	.0050	.009	.0035	.08	.0002	.0133	.0014	.0002
%RSD	201.9	4.670	.2979	78.87	.5330	2.959	740.3	209.1	1.700
#1	-0.0012	.1059	3.086	-0.0037	14.66	.0072	-0.0028	-0.0008	.0093
#2	.0013	.1036	3.072	-0.0013	14.78	.0071	-0.0086	.0009	.0093
#3	-0.0042	.1132	3.089	-0.0081	14.64	.0068	.0168	.0019	.0096

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	632.87	1871.2	16029.	1694.4
Stddev	1.52	3.5	24.	12.4
%RSD	.24006	.18527	.15098	.73245
#1	631.57	1872.5	16003.	1681.0
#2	634.54	1873.7	16033.	1696.7
#3	632.50	1867.2	16051.	1705.5

Sample Name: FA58281-25 Acquired: 10/12/2018 12:25:35 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.006	0.136	0.006	0.223	-0.001	37.97	-0.001	-0.002	-0.005	0.023
Stddev	0.004	0.077	0.010	0.007	0.002	0.35	0.000	0.001	0.002	0.001
%RSD	64.32	56.12	159.0	3.055	171.6	0.9318	22.26	21.90	40.54	5.852

#1	-0.007	0.191	0.000	0.223	-0.001	37.80	-0.001	-0.003	0.006	0.024
#2	-0.002	0.169	0.018	0.230	-0.001	38.38	-0.001	-0.003	0.003	0.024
#3	-0.009	0.049	0.001	0.216	-0.002	37.74	-0.001	-0.002	0.005	0.021

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	0.067	9.256	8.808	0.001	-0.001	9.176	0.003	0.007	-0.002	0.041
Stddev	0.008	0.271	0.145	0.001	0.001	0.090	0.004	0.017	0.016	0.004
%RSD	11.21	2.926	1.650	47.97	76.12	9.786	129.2	261.9	817.5	9.332

#1	0.074	9.101	8.749	0.001	-0.001	9.119	0.002	0.026	-0.016	0.037
#2	0.059	9.569	8.974	0.001	-0.001	9.280	0.008	-0.001	0.015	0.045
#3	0.068	9.098	8.702	0.002	-0.002	9.129	0.000	-0.006	-0.004	0.042

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	3.598	0.000	6.602	0.012	0.009	0.001	0.060
Stddev	0.003	0.002	0.080	0.001	0.007	0.003	0.001
%RSD	0.787	908.0	1.205	5.910	81.79	267.7	8.773

#1	3.595	0.002	6.560	0.012	0.001	0.005	0.060
#2	3.601	-0.001	6.694	0.013	0.011	-0.001	0.060
#3	3.597	0.000	6.551	0.012	0.014	0.000	0.060

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	862.38	2236.1	19737.	1763.8
Stddev	3.96	4.3	70.	11.7
%RSD	45873	1.9321	35316	66431

#1	857.86	2231.2	19657.	1762.0
#2	864.09	2238.1	19767.	1753.0
#3	865.19	2239.1	19787.	1776.3

Sample Name: FA58281-26 Acquired: 10/12/2018 12:30:02 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.005	0.169	-0.007	0.242	-0.001	36.75	0.001	-0.004	0.014	0.033
Stddev	0.002	0.089	0.017	0.004	0.001	0.15	0.001	0.001	0.005	0.001
%RSD	35.96	52.39	238.9	1.815	69.89	4.014	49.61	40.55	36.55	3.646

#1	0.006	0.271	0.012	0.246	0.000	36.86	0.001	-0.005	0.009	0.034
#2	0.005	0.133	-0.021	0.243	-0.002	36.80	0.002	-0.002	0.019	0.032
#3	0.003	0.105	-0.012	0.238	-0.001	36.58	0.002	-0.004	0.014	0.033

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	0.094	1.022	8.679	0.009	-0.002	9.310	0.012	0.014	-0.016	0.010
Stddev	0.055	0.09	0.39	0.000	0.001	0.17	0.001	0.005	0.003	0.014
%RSD	58.71	8.949	4.545	3.839	47.93	1.834	9.377	39.18	20.83	130.3

#1	0.084	1.016	8.662	0.009	-0.001	9.303	0.011	0.009	-0.020	0.014
#2	0.153	1.017	8.724	0.009	-0.003	9.330	0.013	0.020	-0.016	-0.005
#3	0.044	1.032	8.651	0.009	-0.003	9.298	0.011	0.014	-0.013	0.022

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	3.672	-0.001	5.794	0.014	-0.002	0.000	0.130
Stddev	0.007	0.004	0.019	0.002	0.006	0.001	0.001
%RSD	1.945	345.8	3.341	12.23	26.16	1670.	8.353

#1	3.680	-0.004	5.810	0.016	-0.003	-0.005	0.131
#2	3.669	-0.003	5.800	0.012	0.004	-0.007	0.129
#3	3.668	0.003	5.773	0.015	-0.007	-0.004	0.129

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	853.29	2209.7	19380.	1735.3
Stddev	4.7	2.4	60.	16.7
%RSD	0.5560	1.0819	3.0973	9.6222

#1	853.44	2212.1	19389.	1730.7
#2	852.75	2209.6	19435.	1721.3
#3	853.67	2207.3	19316.	1753.8

7.1
7

Sample Name: MP34490-MB1 Acquired: 10/12/2018 12:34:29 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.004	0.028	0.000	-0.001	-0.001	0.104	-0.001	-0.002	0.002	0.003
Stddev	0.004	0.132	0.010	0.003	0.002	0.023	0.001	0.000	0.002	0.002
%RSD	102.5	471.7	26280.	585.6	169.2	22.42	138.3	7.722	87.19	62.45

#1	-0.008	-0.003	-0.008	0.001	-0.001	0.105	0.000	-0.002	0.000	0.006
#2	0.000	0.173	-0.003	-0.004	0.001	0.128	-0.002	-0.002	0.003	0.003
#3	-0.004	-0.086	0.011	0.002	-0.002	0.081	-0.001	-0.002	0.004	0.002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.072	0.192	-0.009	0.000	-0.001	0.579	0.001	0.003	-0.002	-0.003
Stddev	0.016	0.082	0.510	0.000	0.001	0.103	0.002	0.002	0.006	0.020
%RSD	22.91	42.67	5681.	119.6	152.7	17.72	144.7	51.06	260.4	638.0

#1	0.082	0.140	0.549	-0.001	-0.001	0.686	0.003	0.002	-0.005	-0.025
#2	0.053	0.151	-0.451	0.000	-0.002	0.569	-0.001	0.005	0.005	0.001
#3	0.080	0.287	-0.125	0.000	0.000	0.481	0.002	0.003	-0.007	0.014

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.365	-0.003	0.000	0.000	-0.008	-0.002	0.022
Stddev	0.000	0.004	0.000	0.001	0.012	0.004	0.001
%RSD	0.499	131.9	79.03	263.1	157.8	202.0	4.512

#1	0.365	-0.007	0.000	-0.001	-0.021	0.000	0.021
#2	0.365	-0.003	0.001	0.000	0.002	0.000	0.022
#3	0.365	0.001	0.001	0.002	-0.004	-0.007	0.022

Check ? High Limit
 Low Limit

Sample Name: MP34490-MB1 Acquired: 10/12/2018 12:34:29 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	926.38	2302.1	20282.	1776.7
Stddev	1.68	5.8	94.	15.6
%RSD	0.18109	0.25279	0.46165	0.88058

#1	928.30	2304.9	20223.	1763.2
#2	925.66	2306.0	20390.	1793.8
#3	925.19	2295.4	20233.	1772.9

Sample Name: MP34490-B1 Acquired: 10/12/2018 12:38:59 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0484	26.04	1.906	1.970	.0505	24.57	.0486	.4952	.1982	.2479
Stddev	.0002	.18	.005	.022	.0003	.18	.0001	.0005	.0012	.0005
%RSD	.4024	.6965	.2600	1.118	.6763	.7277	.2199	.0930	.5853	.2091
#1	.0485	26.12	1.907	1.976	.0506	24.64	.0486	.4956	.1972	.2483
#2	.0482	25.84	1.901	1.945	.0502	24.37	.0487	.4947	.1995	.2481
#3	.0486	26.17	1.911	1.988	.0508	24.70	.0485	.4952	.1978	.2473

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.65	24.29	24.43	4928	.4655	24.17	.5049	.4713	.4787	1.903
Stddev	.15	.23	.17	.0014	.0009	.13	.0008	.0042	.0011	.002
%RSD	.5770	.9365	.6839	.2868	.1959	.5285	.1555	.8823	.2359	.0789
#1	25.73	24.31	24.57	.4916	.4651	24.23	.5040	.4669	.4800	1.904
#2	25.48	24.05	24.25	.4924	.4648	24.02	.5051	.4719	.4782	1.904
#3	25.75	24.50	24.48	.4944	.4665	24.25	.5055	.4752	.4780	1.902

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2700	.4813	.4957	.4862	1.898	.4775	.4882
Stddev	.0020	.0025	.0038	.0031	.003	.0013	.0008
%RSD	.7356	.5104	.7607	.6420	.1410	.2821	.1739
#1	.2704	.4785	.4981	.4830	1.898	.4772	.4879
#2	.2679	.4822	.4913	.4893	1.901	.4790	.4875
#3	.2718	.4832	.4976	.4862	1.895	.4764	.4891

Check ? None Chk Pass None None Chk PassChk PassChk PassChk
 Value
 Range

Sample Name: MP34490-B1 Acquired: 10/12/2018 12:38:59 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	820.35	2233.7	1946.4	1754.1
Stddev	1.82	4.8	101.	21.7
%RSD	.22218	.21321	.51632	1.2358
#1	822.46	2237.7	1957.6	1754.8
#2	819.29	2235.0	1943.3	1775.3
#3	819.31	2228.5	1938.2	1732.0

Sample Name: FA58183-4 Acquired: 10/12/2018 12:43:11 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0000	.5873	.0019	.0168	.0002	.6947	.0000	.0000	.0013	.0005
Stddev	.0001	.0192	.0010	.0002	.0001	.0037	.000	.000	.0002	.0002
%RSD	11010.	3.262	49.82	1.359	51.44	5310	225.0	935.2	18.81	32.70
#1	.0006	.5841	.0030	.0165	.0003	.6958	.0000	-.0001	.0014	.0004
#2	-.0000	.5699	.0012	.0168	.0001	.6977	.0000	.0000	.0010	.0007
#3	-.0007	.6078	.0016	.0170	.0001	.6905	.0000	.0001	.0014	.0005

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	1.603	4.206	1.162	.0034	.0002	11.94	.0007	.0008	-.0003	.0018
Stddev	.005	.0067	.064	.0001	.0001	.04	.0002	.0007	.0010	.0014
%RSD	.3365	1.590	5.541	2.211	57.20	.3473	25.17	80.72	405.4	77.91
#1	1.601	4.170	1.201	.0034	.0004	11.91	.0005	.0016	.0009	.0002
#2	1.609	4.283	1.197	.0034	.0001	11.99	.0008	.0004	-.0011	.0027
#3	1.599	4.164	1.088	.0033	.0002	11.94	.0006	.0005	-.0005	.0025

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	2.483	.0006	.0159	.0011	.0006	.0056	.0112
Stddev	.003	.0002	.0001	.0001	.0011	.0004	.0001
%RSD	.1005	38.95	.5463	5.383	196.2	7.295	8719
#1	2.483	.0006	.0159	.0011	.0012	.0054	.0112
#2	2.480	.0008	.0158	.0011	-.0007	.0061	.0113
#3	2.485	.0003	.0160	.0012	.0013	.0054	.0111

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	891.66	2282.4	1993.4	1783.1
Stddev	2.02	4.6	72.	7.4
%RSD	.22647	.20299	.36342	.41503
#1	893.28	2285.9	1986.6	1786.3
#2	892.31	2284.1	2001.0	1774.6
#3	889.40	2277.1	1992.5	1788.4

Sample Name: MP34490-D1 Acquired: 10/12/2018 12:47:39 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0005	.5654	.0015	.0166	.0001	.6707	.0000	.0001	.0015	.0004
Stddev	.0002	.0125	.0006	.0002	.0000	.0082	.000	.0001	.0002	.0003
%RSD	40.20	2.219	38.01	1.408	29.82	1.225	125.1	141.0	14.26	65.39
#1	-.0003	.5796	.0009	.0167	.0001	.6741	.0000	.0000	.0015	.0001
#2	-.0006	.5610	.0016	.0163	.0001	.6767	.0000	.0001	.0018	.0007
#3	-.0005	.5557	.0020	.0167	.0002	.6613	-.0001	.0002	.0014	.0005

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	1.570	.3770	1.104	.0033	.0000	11.65	.0005	.0003	-.0002	.0032
Stddev	.012	.0119	.017	.0000	.000	.04	.0000	.0002	.0009	.0006
%RSD	.7716	3.153	1.540	1.316	2977.	.3723	9.528	70.25	422.8	18.19
#1	1.564	.3907	1.085	.0034	.0002	11.62	.0005	.0003	-.0001	.0028
#2	1.584	.3707	1.108	.0033	-.0001	11.70	.0006	.0001	.0006	.0039
#3	1.562	.3696	1.119	.0033	-.0001	11.64	.0005	.0005	-.0011	.0030

Elem	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	2.433	-.0003	.0155	.0007	-.0002	.0051	.0101
Stddev	.006	.0002	.0001	.0001	.0011	.0004	.0001
%RSD	.2303	78.43	8266	11.77	717.1	8.799	.6100
#1	2.439	-.0002	.0155	.0008	-.0015	.0056	.0101
#2	2.427	-.0006	.0154	.0006	.0005	.0048	.0100
#3	2.434	-.0001	.0157	.0007	.0005	.0050	.0100

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	894.38	2284.0	2000.5	1773.5
Stddev	2.50	3.4	62.	9.0
%RSD	.27984	.15014	.31226	.50591
#1	892.32	2286.4	1994.7	1773.9
#2	893.64	2285.5	1999.6	1764.4
#3	897.16	2280.0	2007.1	1782.3

Sample Name: MP34490-SD1 Acquired: 10/12/2018 12:52:08 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.011	6586	0.062	0.181	0.001	7960	-0.003	-0.002	-0.006	0.008
Stddev	0.010	0.967	0.064	0.023	0.003	0.116	0.002	0.006	0.016	0.006
%RSD	93.48	14.68	103.0	12.78	196.3	1.452	68.17	262.7	284.1	71.07
#1	-0.021	7133	0.024	0.207	0.004	7870	-0.001	-0.009	-0.002	0.015
#2	-0.001	7155	0.136	0.161	-0.001	8090	-0.003	0.001	-0.023	0.005
#3	-0.011	5469	0.026	0.176	0.001	7919	-0.005	0.001	0.008	0.004

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	1.777	2801	1.129	0.040	-0.013	13.36	0.011	-0.004	-0.0033	0.107
Stddev	0.37	1.446	0.189	0.001	0.020	0.3	0.008	0.011	0.070	0.027
%RSD	2.084	51.63	16.77	1.454	153.4	2.061	73.47	302.3	211.1	24.92
#1	1.753	4005	0.9610	0.041	-0.004	13.37	0.002	-0.007	-0.104	0.137
#2	1.820	1.197	1.335	0.040	-0.035	13.39	0.017	-0.015	-0.032	0.086
#3	1.759	3.201	1.093	0.040	0.001	13.33	0.013	-0.004	0.036	0.099

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	2.772	-0.001	0.174	0.010	-0.018	0.045	0.132
Stddev	0.04	0.013	0.004	0.008	0.025	0.021	0.002
%RSD	1.562	887.2	2.097	74.29	135.5	46.46	1.242
#1	2.777	0.003	0.177	0.002	0.004	0.022	0.134
#2	2.771	-0.016	0.175	0.016	-0.045	0.062	0.131
#3	2.769	0.009	0.170	0.013	-0.014	0.052	0.131

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	902.08	2267.9	19863.	1744.9
Stddev	2.96	5.5	30.	11.0
%RSD	0.32844	0.24276	0.15001	0.63136
#1	905.06	2271.5	19857.	1732.3
#2	902.04	2270.7	19836.	1752.5
#3	899.13	2261.6	19895.	1750.0

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Sample Name: MP34490-PS1 Acquired: 10/12/2018 12:56:37 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.475	2.966	0.103	0.2636	0.045	5.596	0.482	0.497	0.496	0.989
Stddev	0.006	0.13	0.010	0.025	0.001	0.04	0.001	0.001	0.003	0.005
%RSD	1.294	4.482	9.487	9.467	2.819	0.658	0.2758	0.1956	0.6062	0.4565
#1	0.482	2.979	0.1022	0.2661	0.046	5.600	0.481	0.497	0.499	0.993
#2	0.470	2.966	0.1029	0.2637	0.045	5.595	0.482	0.497	0.496	0.990
#3	0.472	2.952	0.1042	0.2611	0.043	5.593	0.483	0.498	0.493	0.984

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	4.503	9.973	6.081	0.518	0.919	21.20	1.014	0.460	0.974	0.928
Stddev	0.40	0.47	0.68	0.003	0.004	0.11	0.008	0.016	0.003	0.027
%RSD	8.881	4.666	1.120	0.525	0.402	5.078	0.7988	3.411	0.316	2.885
#1	4.540	9.991	6.159	0.515	0.917	21.31	1.011	0.443	0.973	0.910
#2	4.508	10.01	6.039	0.520	0.917	21.20	1.008	0.475	0.971	0.914
#3	4.461	9.920	6.043	0.519	0.924	21.09	1.023	0.461	0.977	0.958

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	2.477	0.479	0.647	0.984	0.922	0.529	0.2530
Stddev	0.005	0.004	0.002	0.004	0.009	0.001	0.004
%RSD	0.1991	0.7609	0.2708	0.4151	1.012	0.1156	1.723
#1	2.473	0.478	0.649	0.988	0.917	0.529	0.2526
#2	2.474	0.477	0.645	0.984	0.933	0.530	0.2531
#3	2.482	0.484	0.647	0.980	0.917	0.529	0.2534

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	858.27	2260.5	19848.	1763.3
Stddev	2.02	1.6	39.	6.9
%RSD	0.23540	0.07021	0.19720	0.39038
#1	859.02	2260.6	19855.	1755.9
#2	855.99	2262.1	19806.	1764.3
#3	859.82	2258.9	19883.	1769.6

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Sample Name: CCV Acquired: 10/12/2018 13:00:55 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.417	39.90	2.004	2.018	2.028	40.27	2.009	2.008	1.986	1.980
Stddev	0.014	0.14	0.01	0.16	0.08	0.12	0.002	0.00	0.005	0.005
%RSD	0.5756	0.3511	0.0624	0.8066	0.4025	0.2922	0.1207	0.0218	0.2332	0.2423
#1	2.433	39.84	2.005	2.003	2.021	40.30	2.009	2.008	1.982	1.975
#2	2.407	40.06	2.003	2.035	2.037	40.37	2.006	2.007	1.985	1.985
#3	2.412	39.79	2.005	2.016	2.028	40.14	2.011	2.008	1.991	1.979

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass

Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.76	40.27	40.69	1.996	2.023	40.02	2.027	1.987	1.999	2.023
Stddev	0.03	0.19	0.04	0.001	0.007	0.15	0.003	0.008	0.005	0.009
%RSD	0.635	0.4787	0.1048	0.0431	0.3246	0.3766	0.1213	0.4000	0.2318	0.4332
#1	40.76	40.10	40.67	1.995	2.016	39.98	2.026	1.981	2.004	2.029
#2	40.79	40.48	40.74	1.995	2.023	40.18	2.030	1.983	1.994	2.013
#3	40.73	40.21	40.66	1.997	2.029	39.89	2.026	1.996	1.999	2.026

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass

Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.809	2.086	2.041	2.022	2.009	2.022	2.017
Stddev	0.002	0.001	0.003	0.007	0.007	0.004	0.001
%RSD	0.0943	0.0379	0.1597	0.3456	0.3409	0.2135	0.0348
#1	1.808	2.085	2.037	2.014	2.004	2.021	2.016
#2	1.808	2.086	2.044	2.028	2.007	2.026	2.016
#3	1.811	2.087	2.041	2.023	2.017	2.018	2.017

Check ? Value Range

None Chk PassChk PassChk PassChk PassChk PassChk Pass

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Sample Name: CCV Acquired: 10/12/2018 13:00:55 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	783.20	2204.2	19283.	1727.4
Stddev	2.35	3.4	34.	11.7
%RSD	0.29978	0.15623	0.17829	0.67883
#1	784.69	2206.2	19320.	1727.8
#2	784.42	2206.1	19253.	1715.5
#3	780.50	2200.2	19275.	1739.0

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Sample Name: CCB Acquired: 10/12/2018 13:05:01 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0084	.0011	.0002	.0003	.0051	.0002	.0001	.0008
Stddev	.0004	.0114	.0004	.0002	.0001	.0028	.0001	.0001	.0003
%RSD	222.5	136.1	36.59	81.84	38.95	56.23	37.83	43.84	44.10
#1	.0006	.0182	.0007	.0003	.0002	.0081	.0002	.0002	.0008
#2	-.0002	-.0041	.0014	.0000	.0004	.0024	.0001	.0001	.0011
#3	.0001	.0110	.0011	.0004	.0003	.0046	.0002	.0001	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0125	-.0333	.0165	.0002	F.0036	-.0038	.0003	.0005
Stddev	.0001	.0020	.0128	.0268	.0000	.0008	.0079	.0003	.0004
%RSD	23.44	15.74	38.32	162.5	3.519	23.29	208.3	79.11	77.92
#1	.0003	.0136	-.0462	-.0044	.0003	.0044	.0034	.0003	.0002
#2	.0003	.0102	-.0330	.0071	.0002	.0038	-.0123	.0006	.0010
#3	.0002	.0137	-.0207	.0467	.0002	.0027	-.0025	.0001	.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0008	.0012	.0004	.0004	.0014	.0010	.0001	.0004
Stddev	.0006	.0019	.0003	.0003	.0001	.0001	.0001	.0002	.0001
%RSD	161.7	251.4	29.16	74.78	34.09	4.903	11.66	155.5	29.12
#1	.0010	-.0014	.0016	.0004	.0005	.0014	.0011	.0000	.0003
#2	.0000	.0023	.0009	.0008	.0003	.0013	.0011	.0004	.0005
#3	.0000	.0015	.0011	.0001	.0005	.0013	.0009	.0000	.0003

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 10/12/2018 13:05:01 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	923.45	2283.4	1992.2	1756.2
Stddev	1.52	4.1	20.	16.3
%RSD	.16473	.17974	.09895	.92656
#1	924.24	2287.6	1990.0	1766.0
#2	924.42	2283.1	1993.8	1765.3
#3	921.70	2279.4	1992.6	1737.5

7.1
7

Sample Name: MP34490-S1 Acquired: 10/12/2018 13:09:31 Type: Ink
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Avg	.0480	26.35	1.889	1.993	.0505	24.96	.0478	.4872	.1961	.2456
Stddev	.0006	.04	.002	.006	.0000	.06	.0002	.0003	.0008	.0011
%RSD	1.164	.1336	.1230	.2889	.0506	.2384	.3784	.0617	.4014	.4397
#1	.0486	26.31	1.892	1.989	.0505	24.98	.0477	.4871	.1970	.2464
#2	.0477	26.36	1.888	1.990	.0505	25.00	.0480	.4875	.1960	.2459
#3	.0477	26.37	1.887	2.000	.0505	24.89	.0476	.4869	.1954	.2444

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	26.92	24.46	25.40	.4897	.4584	35.87	.4965	.4678	.4743	1.624
Stddev	.08	.05	.13	.0018	.0005	.08	.0011	.0011	.0015	.006
%RSD	.3106	.1868	.4934	.3576	.1120	.2267	.2217	.2411	.3196	.3563
#1	27.01	24.41	25.28	.4916	.4587	35.91	.4966	.4678	.4726	1.620
#2	26.84	24.47	25.37	.4891	.4587	35.77	.4975	.4689	.4753	1.630
#3	26.91	24.49	25.53	.4883	.4578	35.91	.4953	.4667	.4751	1.621

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	2.780	.4686	.5075	.4805	1.886	.4779	.4869
Stddev	.006	.0018	.0014	.0023	.006	.0011	.0009
%RSD	.2288	.3846	.2708	.4757	.3054	.2343	.1863
#1	2.785	.4700	.5086	.4827	1.883	.4791	.4874
#2	2.773	.4693	.5060	.4805	1.892	.4770	.4874
#3	2.782	.4666	.5079	.4781	1.882	.4775	.4858

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	819.65	2263.8	1959.6	1770.5
Stddev	1.91	3.3	13.1	9.8
%RSD	.23328	.14512	.66983	.55230
#1	819.08	2260.6	1944.7	1769.5
#2	817.76	2263.7	1964.7	1761.2
#3	821.53	2267.1	1969.5	1780.7

Sample Name: MP34490-S2 Acquired: 10/12/2018 13:13:42 Type: Ink
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Avg	.0490	25.91	1.877	1.941	.0501	24.57	.0477	.4857	.1975	.2451
Stddev	.0005	.01	.004	.008	.0002	.04	.0001	.0022	.0006	.0014
%RSD	.9830	.0575	.2313	.4126	.4207	.1694	.1069	.4548	.3239	.5663
#1	.0495	25.91	1.874	1.935	.0499	24.60	.0477	.4832	.1982	.2452
#2	.0490	25.90	1.875	1.950	.0503	24.53	.0477	.4863	.1974	.2465
#3	.0486	25.93	1.882	1.938	.0500	24.59	.0478	.4875	.1970	.2437

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	26.54	23.86	24.96	.4867	.4574	35.09	.4956	.4678	.4738	1.625
Stddev	.09	.07	.16	.0011	.0016	.10	.0024	.0021	.0038	.012
%RSD	.3503	.2795	.6368	.2172	.3489	.2844	.4873	.4491	.7942	.7160
#1	26.64	23.89	25.11	.4869	.4556	35.20	.4928	.4676	.4701	1.613
#2	26.52	23.91	24.98	.4856	.4581	35.02	.4967	.4658	.4737	1.627
#3	26.46	23.79	24.79	.4877	.4585	35.04	.4972	.4700	.4776	1.636

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	2.705	.4684	.5004	.4854	1.888	.4770	.4848
Stddev	.013	.0030	.0014	.0036	.009	.0010	.0017
%RSD	.4772	.6447	.2767	.7468	.4636	.2186	.3493
#1	2.691	.4653	.4988	.4891	1.879	.4782	.4836
#2	2.708	.4684	.5016	.4853	1.890	.4763	.4841
#3	2.717	.4714	.5007	.4819	1.896	.4765	.4867

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	819.65	2269.7	1953.8	1776.8
Stddev	4.38	12.2	9.8	23.4
%RSD	.53390	.53925	.50241	1.3174
#1	822.76	2280.7	1942.5	1750.0
#2	821.55	2272.0	1960.1	1787.5
#3	814.65	2256.5	1958.8	1793.0

Sample Name: FA58023-25 Acquired: 10/12/2018 13:17:54 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.003	-0.377	-0.002	-0.185	-0.000	-33.00	-0.001	-0.002	-0.009	-0.019
Stddev	.0008	.0104	.0015	.0003	.000	.07	.0001	.0001	.0001	.0004
%RSD	299.2	27.75	630.1	1.536	1138.	2053	69.68	24.64	10.46	19.00

#1	-0.010	0.358	-0.016	-0.187	-0.001	33.08	-0.000	-0.002	0.009	-0.023
#2	0.006	0.489	0.004	0.181	-0.000	32.97	-0.001	-0.003	0.010	-0.018
#3	-0.004	0.283	-0.013	0.186	-0.001	32.96	-0.001	-0.002	0.008	-0.016

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	0.144	9547	8.036	0.013	0.008	10.27	0.013	0.011	-0.002	-0.022
Stddev	.0023	.0123	.069	.0000	.0002	.03	.0004	.0006	.0015	.0026
%RSD	15.67	1.291	856.4	1.517	23.23	2874.	32.20	56.25	926.3	117.7

#1	0.163	9649	8.094	0.013	0.009	10.27	0.010	0.017	-0.013	-0.037
#2	0.119	9582	8.054	0.013	0.009	10.30	0.017	0.012	0.017	-0.008
#3	0.150	9410	7.960	0.013	0.006	10.24	0.011	0.004	0.001	-0.038

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3710)	(Y_2243)
Avg	3.460	0.004	5383	0.015	0.014	-0.035	0.059
Stddev	.007	.0004	.0014	.0001	.0011	.0002	.0001
%RSD	196.6	108.6	2563	6.594	74.55	5.205	1.035

#1	3.454	0.001	5399	0.013	0.004	0.033	0.059
#2	3.458	0.009	5372	0.015	0.013	0.036	0.059
#3	3.467	0.002	5379	0.015	0.025	0.037	0.060

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	864.77	2244.8	19482.	1757.1
Stddev	.40	3.3	91.	6.4
%RSD	.04651	.14774	.46577	.36670

#1	864.72	2248.6	19507.	1749.7
#2	865.19	2243.0	19558.	1759.8
#3	864.39	2242.8	19382.	1761.7

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Sample Name: FA58023-26 Acquired: 10/12/2018 13:22:21 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.002	0.827	-0.000	-0.182	-0.002	31.94	-0.001	-0.001	-0.005	-0.016
Stddev	.0001	.0061	.001	.0003	.0001	.01	.0000	.0001	.0003	.0002
%RSD	23.85	7.416	41480.	1.510	52.11	0.451	3.181	64.72	56.58	14.23

#1	0.002	0.836	-0.014	0.184	-0.003	31.96	-0.001	-0.002	0.002	-0.016
#2	0.002	0.761	0.014	0.179	-0.002	31.93	-0.001	-0.001	0.008	-0.018
#3	0.003	0.883	0.000	0.182	-0.001	31.94	-0.001	-0.001	0.005	-0.013

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	0.073	9121	8.021	0.038	0.003	10.17	0.024	0.005	0.011	0.028
Stddev	.0021	.0222	.036	.0000	.0002	.01	.0003	.0003	.0005	.0015
%RSD	29.55	2.436	4529.	3002	56.85	0.512	14.56	58.01	45.45	54.32

#1	0.071	9235	8.034	0.038	0.005	10.18	0.025	0.005	0.014	0.015
#2	0.095	8865	7.979	0.038	0.001	10.17	0.020	0.002	0.005	0.026
#3	0.052	9263	8.048	0.038	0.004	10.17	0.026	0.009	0.015	0.045

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	3.436	0.000	5288	0.013	0.001	0.041	0.048
Stddev	.009	.000	.0004	.0000	.0014	.0004	.0000
%RSD	249.5	1720.	0.833	3.812	2283.	10.20	4338

#1	3.428	0.003	5283	0.013	0.001	0.042	0.048
#2	3.445	-0.004	5289	0.012	-0.014	0.036	0.048
#3	3.434	0.001	5291	0.013	0.014	0.044	0.048

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	864.67	2250.9	19629.	1760.3
Stddev	.79	1.0	67.	17.3
%RSD	.09188	.04632	.34083	.98322

#1	865.59	2251.6	19673.	1750.0
#2	864.23	2249.7	19552.	1780.3
#3	864.20	2251.4	19662.	1750.6

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Sample Name: FA58258-1 Acquired: 10/12/2018 13:26:48 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-0.004	0.2040	0.021	0.045	-0.001	54.46	-0.001	-0.001	0.013	0.070
Stddev	.0004	.0077	.0010	.0002	.0001	.36	.0000	.0002	.0002	.0001
%RSD	103.0	3.787	46.37	4.326	162.2	6635	24.54	122.2	13.68	1.422

#1	-0.001	0.2032	0.014	0.043	0.000	54.66	-0.001	-0.003	0.011	0.070
#2	-0.008	0.1967	0.032	0.044	0.000	54.05	-0.001	-0.001	0.014	0.069
#3	-0.002	0.2121	0.017	0.047	-0.002	54.69	-0.001	0.000	0.014	0.071

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	2.513	2.225	2.424	0.098	0.018	8.868	0.021	0.020	0.002	0.058
Stddev	.0013	.033	.040	.0002	.0001	.083	.0001	.0003	.0006	.0009
%RSD	53.60	1.464	1.656	1.846	5.118	9313	3.671	14.16	331.6	15.99

#1	2.513	2.244	2.402	0.100	0.017	8.923	0.021	0.020	0.004	0.048
#2	2.526	2.187	2.398	0.097	0.019	8.773	0.020	0.017	0.006	0.063
#3	2.499	2.244	2.470	0.097	0.018	8.908	0.022	0.023	-0.005	0.065

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	2.146	-0.001	0.851	0.037	0.000	0.037	0.251
Stddev	.005	.0004	.0007	.0000	.0011	.0000	.0000
%RSD	258.0	475.7	.7979	1.201	5827.	9639.	1435

#1	2.140	-0.003	0.854	0.037	0.002	0.037	0.251
#2	2.150	-0.003	0.844	0.037	-0.011	0.037	0.252
#3	2.149	0.004	0.856	0.038	0.010	0.036	0.251

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	848.26	2208.4	19252.	1745.5
Stddev	1.41	3.9	118.	17.5
%RSD	.16626	.17805	.61134	1.0039

#1	846.75	2205.8	19370.	1743.9
#2	848.48	2206.6	19251.	1763.8
#3	849.55	2212.9	19134.	1728.9

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Sample Name: FA58258-2 Acquired: 10/12/2018 13:31:17 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.002	0.1915	0.011	0.084	-0.001	51.41	-0.001	0.000	0.014	0.249
Stddev	.0007	.0064	.0011	.0001	.0001	.28	.0000	.000	.0001	.0000
%RSD	443.1	3.353	104.7	1.651	63.43	5.424	55.03	159.3	6.593	.1527

Sample Name: FA58277-1 Acquired: 10/12/2018 13:35:46 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Avg	.0009	1.248	.0013	.0564	-.0001	49.39	.0005	.0005	.0104	.0507
Stddev	.0004	.014	.0014	.0005	.0001	.18	.0000	.0001	.0002	.0003
%RSD	46.52	1.146	106.7	.9451	54.23	.3626	4.811	18.53	2.039	.5909
#1	.0010	1.264	-.0003	.0570	-.0001	49.58	.0005	.0005	.0107	.0510
#2	.0005	1.238	.0018	.0561	-.0002	49.37	.0005	.0006	.0104	.0507
#3	.0013	1.242	.0025	.0561	-.0001	49.22	.0005	.0005	.0102	.0504

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	2.321	2.323	1.067	.0273	.0110	6.177	.0082	.0627	.0062	.0029
Stddev	.008	.056	.051	.0001	.0001	.028	.0004	.0004	.0012	.0051
%RSD	.3335	2.416	4.768	.4049	.8535	.4548	4.294	5.974	20.05	174.3
#1	2.329	2.374	1.072	.0274	.0109	6.200	.0078	.0631	.0054	.0037
#2	2.313	2.332	1.014	.0272	.0109	6.184	.0084	.0623	.0076	.0076
#3	2.322	2.263	1.115	.0272	.0111	6.146	.0085	.0627	.0055	.0025

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	3.221	.0025	.1733	.0412	.0005	.0130	.1828
Stddev	.004	.0005	.0005	.0002	.0008	.0003	.0003
%RSD	.1376	22.15	2.891	.4929	141.4	2.381	.1385
#1	3.224	.0024	.1736	.0411	.0010	.0131	.1830
#2	3.216	.0030	.1736	.0415	-.0003	.0127	.1829
#3	3.222	.0019	.1728	.0412	.0009	.0132	.1825

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	858.46	2248.0	19589.9	1784.5
Stddev	3.48	8.8	140.	4.1
%RSD	.40495	.38971	.71671	.22955
#1	854.46	2239.5	19461.	1785.9
#2	860.22	2247.3	19567.	1787.7
#3	860.71	2257.0	19739.	1779.9

Sample Name: FA58281-1 Acquired: 10/12/2018 13:40:11 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Avg	-.0002	.0466	.0014	.0162	-.0009	.1125	.0001	.0001	.0017	.0044
Stddev	.0042	.0536	.0053	.0009	.0005	8.	.0000	.0007	.0015	.0015
%RSD	1857.	115.0	362.7	5.813	52.64	.7209	23.83	40.21	.0017	.0015
#1	.0042	.0617	-.0046	.0153	-.0005	.1121	.0001	-.0010	.0034	.0044
#2	-.0007	.0910	.0046	.0172	-.0007	.1134	.0001	-.0018	.0037	.0062
#3	-.0041	-.0129	.0043	.0162	-.0014	.1119	.0001	-.0023	.0062	.0062

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0005	.0406	45.32	320.5	.0845	.1147	F5553.	.0007	.0050
Stddev	.0022	.0241	.52	2.4	.0007	.0011	.201.	.0017	.0066
%RSD	445.4	59.26	1.142	.7609	.7793	1.000	3.625	232.0	131.8
#1	-.0016	.0542	44.81	321.4	.0852	.1135	5716.	.0013	.0113
#2	.0028	.0549	45.84	322.3	.0844	.1147	5616.	.0020	.0056
#3	.0003	.0128	45.32	317.7	.0839	.1158	5328.	-.0012	-.0019

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0016	.0294	3.106	-.0053	F22.28	.0046	F5553.	.0017	.0053
Stddev	.0102	.0198	.012	.0022	.14	.0005	.0152	.0026	.0001
%RSD	652.8	67.36	.3971	41.79	6241	11.60	885.0	61.83	2.494
#1	.0113	.0306	3.120	-.0028	22.17	.0051	.0092	.0061	.0052
#2	.0024	.0090	3.100	-.0059	22.44	.0040	.0048	.0012	.0054
#3	-.0090	.0485	3.099	-.0071	22.23	.0047	-.0191	.0051	.0052

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	579.87	1758.1	14895.	1680.8
Stddev	.49	4.7	53.	18.0
%RSD	.08408	.26841	.35455	1.0711
#1	580.08	1753.3	14893.	1681.4
#2	579.31	1758.2	14843.	1662.6
#3	580.21	1762.7	14949.	1698.6

7.1
7

Sample Name: FA58281-2 Acquired: 10/12/2018 13:44:47 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0001	.0544	.7969	.0128	-.0003	941.1	-.0003	-.0008	.0044
Stddev	.0046	.0394	.0065	.0003	.0003	1.9	.0002	.0002	.0015
%RSD	3447.	72.34	.8161	2.621	110.7	.1991	78.33	22.94	33.27
#1	-.0044	.0919	.7928	.0131	-.0006	939.9	-.0000	-.0009	.0029
#2	.0047	.0134	.7935	.0124	-.0004	940.1	-.0004	-.0006	.0046
#3	.0000	.0579	.8044	.0128	.0001	943.2	-.0004	-.0008	.0058

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0004	.0165	53.38	104.9	.0104	.3055	F4825.	.0006	.0012
Stddev	.0010	.0140	.12	.8	.0008	.0007	120.	.0015	.0034
%RSD	285.4	85.01	.2332	.7529	7.433	2.444	2.485	268.9	273.0
#1	.0015	.0042	53.42	105.0	.0100	.3056	4935.	.0005	.0013
#2	-.0005	.0318	53.24	104.1	.0113	.3046	4697.	-.0001	.0046
#3	.0001	.0135	53.48	105.6	.0098	.3061	4843.	-.0009	-.0022

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0005	.5203	2.857	-.0054	15.72	.0057	-.0095	-.1142	.0070
Stddev	.0044	.0116	.012	.0012	.05	.0004	.0049	.0017	.0008
%RSD	864.4	2.227	.4221	22.21	.3062	6.851	51.73	1.521	11.53
#1	.0056	5.322	2.850	-.0050	15.67	.0053	-.0038	-.1126	.0061
#2	-.0014	5.090	2.849	-.0068	15.76	.0057	-.0120	-.1160	.0076
#3	-.0026	.5199	2.871	-.0045	15.73	.0060	-.0127	-.1139	.0075

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	612.96	1838.0	15541.	1712.2
Stddev	.83	3.1	8.	14.9
%RSD	.13460	.16917	.05388	.87205
#1	612.79	1839.7	15550.	1706.8
#2	612.23	1834.4	15534.	1729.1
#3	613.85	1839.9	15541.	1700.7

Sample Name: FA58281-3 Acquired: 10/12/2018 13:49:23 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0014	.0715	.0067	.0196	-.0007	915.2	-.0002	-.0009	.0012
Stddev	.0006	.0485	.0106	.0013	.0008	9.3	.0002	.0009	.0027
%RSD	44.18	67.79	158.5	6.654	104.9	1.019	118.8	101.3	224.7
#1	-.0021	.1266	.0176	.0196	-.0004	922.3	-.0000	.0001	.0042
#2	-.0009	.0355	.0061	.0209	-.0002	918.7	-.0002	-.0016	.0003
#3	-.0012	.0524	-.0036	.0183	-.0016	904.7	-.0004	-.0010	-.0009

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0014	.0261	35.24	284.6	-.0007	.0747	F3866.	.0004	.0050
Stddev	.0017	.0025	.36	2.6	.0002	.0004	.91.	.0016	.0018
%RSD	123.3	9.482	1.023	.9100	35.19	.5548	2.361	462.6	34.87
#1	.0002	.0286	35.36	285.5	-.0010	.0744	3962.	-.0005	.0035
#2	.0006	.0259	35.53	281.7	-.0006	.0752	3780.	-.0007	.0047
#3	.0033	.0237	34.84	281.7	-.0005	.0745	3855.	.0022	.0069

Elem	Sb2068</
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Sample Name: CCV Acquired: 10/12/2018 13:53:58 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2414	39.23	1.962	1.942	1.988	39.60	1.989	1.988	2.011	2.003
Stddev	.0011	.06	.006	.006	.003	.09	.001	.002	.004	.002
%RSD	.4596	.1560	.3056	.3140	.1445	.2397	.0714	.0880	.2192	.0785
#1	2411	39.16	1.956	1.937	1.987	39.49	1.990	1.989	2.016	2.003
#2	2405	39.24	1.962	1.949	1.991	39.68	1.988	1.987	2.007	2.004
#3	2427	39.28	1.968	1.941	1.986	39.62	1.988	1.990	2.010	2.001

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.03	38.93	39.16	1.991	2.001	37.94	1.991	1.973	1.977	1.992
Stddev	.15	.12	.07	.003	.008	.14	.005	.001	.002	.006
%RSD	.3724	.3142	.1908	.1465	.3857	.3568	.2685	.0614	.1143	.2917
#1	39.86	38.79	39.10	1.994	1.995	37.81	1.990	1.974	1.977	1.985
#2	40.06	39.00	39.13	1.988	1.999	37.94	1.986	1.974	1.975	1.993
#3	40.15	38.99	39.24	1.991	2.010	38.08	1.996	1.972	1.979	1.996

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.784	2.026	2.005	2.054	2.004	2.019	1.985
Stddev	.004	.008	.005	.008	.001	.006	.004
%RSD	.2426	.3781	.2566	.3743	.0588	.3087	.1796
#1	1.784	2.021	2.000	2.052	2.003	2.018	1.984
#2	1.780	2.022	2.010	2.063	2.003	2.025	1.983
#3	1.789	2.035	2.006	2.048	2.005	2.013	1.989

Check ? None Chk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Sample Name: CCV Acquired: 10/12/2018 13:53:58 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	789.19	2232.7	19128.	1789.7
Stddev	1.33	2.7	29.	14.0
%RSD	.16915	.12036	.15414	.78280
#1	790.19	2233.0	19155.	1800.5
#2	789.70	2235.3	19096.	1794.9
#3	787.67	2229.9	19131.	1773.9

7.1
7

Sample Name: CCB Acquired: 10/12/2018 13:58:05 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0111	.0004	-.0002	.0001	.0065	.0001	.0001	.0006
Stddev	.001	.0142	.0005	.0004	.0001	.0039	.0001	.0002	.0003
%RSD	5169.	128.3	116.8	191.8	144.9	60.47	59.36	256.1	46.96
#1	.0007	-.0045	.0005	.0002	-.0001	.0106	.0002	.0002	.0008
#2	-.0008	.0234	-.0009	-.0005	.0001	.0028	.0000	.0000	.0007
#3	.0000	.0144	-.0001	-.0004	.0002	.0061	.0002	-.0001	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.0197	-.0185	-.0089	.0003	F.0046	.0916	.0004	.0003
Stddev	.0005	.0035	.0330	.0270	.0001	.0011	.0072	.0001	.0002
%RSD	77.58	17.93	178.3	303.9	24.75	23.44	7.826	27.57	61.58
#1	.0010	.0238	-.0555	-.0337	.0004	.0057	.0869	.0004	.0002
#2	.0007	.0175	-.0077	.0199	.0002	.0044	.0879	.0003	.0006
#3	.0001	.0179	-.0077	-.0128	.0003	.0036	.0998	.0005	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0008	F.0042	.0014	.0004	.0003	.0018	.0009	-.0001	.0004
Stddev	.0013	.0006	.0006	.0004	.0001	.0002	.0013	.0001	.0000
%RSD	153.5	13.87	39.35	114.0	17.56	13.11	142.2	178.4	8.359
#1	-.0002	.0048	.0010	.0009	.0003	.0020	.0016	.0001	.0005
#2	-.0023	.0042	.0012	.0004	.0003	.0016	.0017	-.0002	.0004
#3	-.0005	.0036	.0020	.0000	.0004	.0017	-.0006	-.0001	.0004

Check ? Chk Pass Chk Fail Chk Fail
 High Limit
 Low Limit

Sample Name: CCB Acquired: 10/12/2018 13:58:05 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	914.31	2273.7	19640.	1765.8
Stddev	2.91	4.1	55.	17.3
%RSD	.31813	.18034	.27846	.98227
#1	910.97	2275.4	19585.	1750.6
#2	916.28	2269.0	19639.	1762.1
#3	915.67	2276.6	19694.	1784.7

Sample Name: FA58281-4 Acquired: 10/12/2018 14:02:35 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0000	.0755	.0055	.0111	-.0004	910.2	-.0005	-.0005	.0023
Stddev	.005	.0837	.0076	.0022	.0006	6.6	.0004	.0009	.0007
%RSD	18360.	110.9	138.0	20.28	136.0	7.225	72.65	182.4	28.62
#1	.0044	.1255	.0012	.0123	-.0003	917.5	-.0006	.0000	.0022
#2	.0010	-.0212	.0011	.0124	.0001	908.5	-.0001	.0000	.0030
#3	-.0054	.1221	.0143	.0085	-.0010	904.7	-.0008	-.0015	.0017
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0002	.0439	34.83	326.0	.0127	.0600	F4933.	.0023	.0066
Stddev	.0012	.0072	.25	2.1	.0001	.0008	152.	.0010	.0007
%RSD	491.0	16.45	.7114	.6466	.5047	1.379	3.072	44.28	10.29
#1	-.0007	.0452	35.11	328.4	.0127	.0599	5037.	.0015	.0061
#2	-.0002	.0361	34.63	324.6	.0126	.0592	5003.	.0020	.0074
#3	.0016	.0503	34.74	324.9	.0127	.0608	4759.	.0034	.0064
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_2243)	(Y_2243)
Avg	.0023	.0216	4.486	-.0030	16.67	.0092	-.0049	0.2700	0.364
Stddev	.0059	.0091	.012	.0010	.14	.0010	.0030	.0020	.0007
%RSD	255.0	41.92	.2765	31.84	.8445	10.82	60.25	7.280	1.909
#1	.0034	.0299	4.472	-.0025	16.83	.0104	-.0070	.0292	.0367
#2	.0075	.0232	4.494	-.0024	16.59	.0088	-.0064	.0266	.0356
#3	-.0040	.0119	4.493	-.0041	16.59	.0085	-.0015	.0253	.0368
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	633.71	1877.9	15943.	1711.2					
Stddev	1.84	4.3	23.	4.5					
%RSD	.29093	.22728	.14380	.26131					
#1	635.84	1880.2	15918.	1711.0					
#2	632.61	1880.5	15963.	1706.9					
#3	632.68	1873.0	15949.	1715.8					

Sample Name: FA58281-5 Acquired: 10/12/2018 14:07:11 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-.0005	-.1269	-.0488	.0109	-.0005	802.5	-.0002	-.0012	.0039
Stddev	.0032	.0670	.0104	.0014	.0003	1.5	.0005	.0006	.0014
%RSD	651.7	52.81	21.29	13.21	68.74	.1883	316.5	47.19	34.45
#1	.0028	.1992	.0487	.0092	-.0001	802.5	-.0001	-.0014	.0052
#2	-.0006	-.1147	.0385	.0120	-.0006	804.1	-.0007	-.0006	.0042
#3	-.0036	.0668	.0593	.0114	-.0008	801.0	.0003	-.0016	.0025
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0014	.0902	38.07	134.7	.0034	.2551	F4718.	-.0004	.0087
Stddev	.0009	.0245	.13	.7	.0007	.0005	73.	.0014	.0069
%RSD	63.70	27.18	.3431	.5186	20.50	.2109	1.542	352.2	79.02
#1	.0020	.0698	38.06	134.4	.0031	.2546	4685.	.0003	.0094
#2	.0004	.0834	37.95	135.6	.0042	.2551	4801.	.0006	.0152
#3	.0017	.1174	38.21	134.3	.0029	.2557	4667.	-.0021	.0015
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0068	.0248	2.904	-.0044	12.64	.0087	-.0012	.0196	.0135
Stddev	.0017	.0015	.011	.0024	.03	.0005	.0081	.0043	.0005
%RSD	25.35	5.923	.3820	54.63	.2232	5.434	654.6	22.09	3.793
#1	.0050	.0242	2.916	-.0016	12.67	.0084	-.0029	.0154	.0132
#2	.0084	.0237	2.899	-.0057	12.62	.0092	.0075	.0241	.0132
#3	.0072	.0265	2.896	-.0059	12.62	.0084	-.0084	.0193	.0141
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	626.12	1858.8	15783.	1736.9					
Stddev	3.58	3.5	71.	15.0					
%RSD	.57113	.18955	.45130	.86336					
#1	629.66	1862.3	15701.	1746.6					
#2	622.51	1855.2	15828.	1719.6					
#3	626.21	1858.9	15820.	1744.4					

Sample Name: FA58281-6 Acquired: 10/12/2018 14:11:49 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0015	.0125	.0884	.0155	-.0005	784.0	.0004	-.0009	.0040
Stddev	.0026	.0999	.0052	.0013	.0004	5.3	.0003	.0006	.0017
%RSD	168.3	800.1	5.856	8.367	87.20	.6730	71.20	62.86	42.17
#1	.0028	-.1019	.0832	.0154	-.0002	784.1	.0001	-.0015	.0056
#2	-.0014	.0567	.0936	.0169	-.0010	789.2	.0006	-.0008	.0023
#3	.0032	.0827	.0884	.0143	-.0003	778.7	.0004	-.0004	.0039
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0052	4.402	41.20	137.3	.4412	.1137	F4790.	.0043	.0040
Stddev	.0009	.035	.28	1.4	.0009	.0013	36.	.0009	.0043
%RSD	18.23	.8062	.6822	.9913	.1964	1.138	.7463	20.74	107.6
#1	.0063	4.369	41.05	137.7	.4420	.1138	4816.	.0053	-.0008
#2	.0048	4.440	41.52	138.5	.4403	.1150	4804.	.0035	.0054
#3	.0045	4.398	41.03	135.8	.4411	.1124	4749.	.0041	.0074
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0081	.0224	3.317	-.0033	11.83	.0073	-.0070	.0253	.0483
Stddev	.0003	.0020	.016	.0012	.08	.0014	.0117	.0022	.0004
%RSD	3.343	8.966	.4897	36.58	.6473	18.68	168.4	8.562	.9027
#1	.0079	.0237	3.301	-.0036	11.79	.0075	-.0175	.0273	.0488
#2	.0080	.0235	3.316	-.0020	11.92	.0059	.0057	.0256	.0479
#3	.0084	.0201	3.333	-.0043	11.79	.0086	-.0090	.0230	.0482
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	629.63	1863.8	15884.	1690.0					
Stddev	.33	4.9	81.	13.2					
%RSD	.05202	.26036	.51302	.78154					
#1	629.31	1861.5	15820.	1688.4					
#2	629.96	1869.3	15857.	1677.7					
#3	629.63	1860.5	15976.	1704.0					

Sample Name: FA58281-7 Acquired: 10/12/2018 14:16:26 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0011	.0073	-.0033	.0114	-.0002	644.9	-.0005	-.0011	.0080
Stddev	.0035	.0207	.0005	.0011	.0006	.6	.0001	.0008	.0022
%RSD	330.4	285.8	13.66	9.385	282.7	.1005	19.77	72.31	28.07
#1	.0043	.0013	-.0029	.0107	.0003	644.8	-.0005	-.0011	.0102
#2	.0017	.0303	-.0034	.0108	.0000	645.6	-.0005	-.0019	.0057
#3	-.0027	-.0098	-.0038	.0126	-.0008	644.3	-.0004	-.0003	.0080
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0010	.3214	17.24	113.3	.0066	.0639	F3025.	.0015	.0069
Stddev	.0010	.0155	.11	.7	.0004	.0001	9.	.0008	.0035
%RSD	100.4	4.828	.6642	.5845	6.581	.1820	.3136	53.01	50.48
#1	.0008	.3147	17.19	114.0	.0070	.0637	3017.	.0019	.0034
#2	.0001	.3391	17.37	113.2	.0062	.0639	3036.	.0006	.0104
#3	.0021	.3104	17.16	112.6	.0067	.0640	3023.	.0020	.

Zoom In
Zoom Out

Sample Name: FA58281-8 Acquired: 10/12/2018 14:21:04 Type: Unk
Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0031	.1614	.0135	.0115	-0.007	814.3	.0001	-0.012	.0054
Stddev	.0005	.0399	.0012	.0002	.0003	8.6	.0006	.0003	.0020
%RSD	15.78	24.70	9.019	1.800	53.21	1.052	954.0	26.53	37.75
#1	.0028	.1301	.0139	.0114	-0.007	819.4	.0007	-0.008	.0031
#2	.0028	.1477	.0122	.0117	-0.003	819.1	.0001	-0.014	.0063
#3	.0036	.2063	.0145	.0113	-0.010	804.4	-0.005	-0.014	.0068
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0042	.1256	29.64	340.1	.0448	.0797	F4702.	.0002	.0043
Stddev	.0013	.0024	.40	3.5	.0005	.0004	66.	.0007	.0034
%RSD	30.28	1.885	1.361	1.040	1.156	5.382	1.408	265.8	79.68
#1	.0056	.1278	29.79	341.6	.0451	.0799	4691.	-0.002	.0008
#2	.0031	.1258	29.94	342.7	.0442	.0799	4773.	.010	.0045
#3	.0040	.1231	29.18	336.1	.0450	.0792	4641.	.0000	.0076
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0054	.0934	3.738	-0.0057	14.72	.0119	-0.0040	.0075	.0269
Stddev	.0034	.0103	.006	.0017	.17	.0051	.0064	.0017	.0005
%RSD	62.49	11.02	.1684	30.14	1.177	42.93	157.8	22.11	1.876
#1	-0.092	.1042	3.741	-0.042	14.86	.0175	-0.095	.0056	.0271
#2	-0.0026	.0922	3.731	-0.0076	14.79	.0104	-0.0056	.0083	.0264
#3	-0.0045	.0837	3.742	-0.0054	14.53	.0077	.0030	.0086	.0274
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	627.11	1858.1	15689.	1696.5					
Stddev	1.97	3.7	54.	16.0					
%RSD	.31481	.19877	.34650	.94080					
#1	625.48	1860.0	15709.	1692.8					
#2	629.31	1860.3	15730.	1682.7					
#3	626.55	1853.8	15627.	1714.0					

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Zoom In
Zoom Out

Sample Name: FA58281-9 Acquired: 10/12/2018 14:25:41 Type: Unk
Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0027	.0013	.0146	.0084	-0.009	678.0	.0003	-0.014	.0009
Stddev	.0028	.0274	.0032	.0002	.0003	3.4	.0003	.0005	.0013
%RSD	106.2	2161.	21.78	2.030	36.60	.4994	79.03	38.66	143.1
#1	-0.006	.0201	.0139	.0083	-0.013	678.9	.0005	-0.011	-0.006
#2	.0044	-0.0139	.0181	.0083	-0.007	674.2	.0005	-0.011	.0018
#3	.0042	-0.0301	.0119	.0086	-0.008	680.8	.0000	-0.020	.0015
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0021	.0164	24.35	285.6	.0009	.0715	F3011.	.0008	.0057
Stddev	.0008	.0074	.16	.7	.0001	.0009	29.	.0016	.0041
%RSD	37.11	45.14	6.464	2.389	16.66	1.323	9614	192.4	71.88
#1	.0030	.0107	24.20	286.4	.0007	.0718	2994.	-0.002	.0010
#2	.0014	.0247	24.34	285.2	.0010	.0723	2994.	.0027	.0079
#3	.0019	.0137	24.51	285.1	.0009	.0704	3044.	.0001	.0083
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-0.009	.1936	3.895	-0.0044	12.15	.0070	F3011.	.0008	.0027
Stddev	.0066	.0241	.007	.0010	.05	.0005	.0112	.0012	.0007
%RSD	741.8	12.45	.1737	23.32	4.095	7.302	144.8	3.555	15.94
#1	-0.072	.2144	3.902	-0.037	12.15	.0070	-0.207	.0314	.0041
#2	-0.0015	.1672	3.891	-0.0040	12.09	.0064	-0.0019	.0331	.0048
#3	.0060	.1991	3.891	-0.0056	12.19	.0075	-0.0006	.0335	.0035
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	680.81	1981.5	17006.	1714.1					
Stddev	.18	1.6	109.	14.0					
%RSD	.02611	.08261	.63838	.81633					
#1	681.01	1979.8	16886.	1717.6					
#2	680.75	1981.7	17035.	1726.1					
#3	680.67	1983.0	17097.	1698.7					

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Zoom In
Zoom Out

Sample Name: FA58281-10 Acquired: 10/12/2018 14:30:18 Type: Unk
Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0002	.2088	-0.045	.0199	-0.004	818.9	-0.004	-0.010	.0034
Stddev	.0045	.0264	.0033	.0012	.0003	.8	.0006	.0009	.0017
%RSD	2727.	12.65	72.97	6.034	71.73	.0929	155.4	87.76	49.65
#1	-0.014	.2271	-0.078	.0210	-0.001	818.6	.0003	-0.020	.0040
#2	-0.0053	.1785	-0.012	.0186	-0.006	819.8	-0.010	-0.002	.0047
#3	-0.0034	.2208	-0.046	.0199	-0.005	818.4	-0.005	-0.010	.0015
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0001	.1487	21.77	252.1	.0199	.0334	F2840.	.0012	.0103
Stddev	.0015	.0159	.15	1.4	.0003	.0021	19.	.0009	.0017
%RSD	2318.	10.69	6.963	5.654	1.454	6.318	6753	71.19	16.39
#1	.0016	.1525	21.66	251.1	.0196	.0350	2859.	.0008	.0112
#2	-0.0001	.1312	21.94	251.5	.0199	.0310	2821.	.0006	.0114
#3	-0.0013	.1623	21.71	253.7	.0202	.0342	2842.	.0023	.0084
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0036	.0183	3.846	-0.0032	13.64	.0092	-0.0041	.0055	.0240
Stddev	.0032	.0069	.011	.0012	.04	.0014	.0043	.0014	.0006
%RSD	87.22	37.81	.2792	35.98	.3081	15.44	104.7	25.04	2.596
#1	.0048	.0161	3.850	-0.041	13.67	.0105	-0.087	.0043	.0237
#2	.0001	.0261	3.855	-0.0036	13.66	.0077	-0.001	.0070	.0247
#3	.0061	.0127	3.834	-0.0019	13.59	.0095	-0.0035	.0053	.0236
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	696.63	2030.7	17355.	1762.8					
Stddev	2.77	1.2	73.	17.9					
%RSD	.39780	.05775	.41911	1.0152					
#1	694.95	2031.2	17319.	1774.2					
#2	699.83	2029.4	17307.	1771.9					
#3	695.11	2031.6	17439.	1742.1					

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Zoom In
Zoom Out

Sample Name: FA58281-11 Acquired: 10/12/2018 14:34:55 Type: Unk
Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 5.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	-0.0005	2.367	.0054	.0208	-0.009	663.2	-0.0003	-0.0003	.0094
Stddev	.0017	.115	.0034	.0021	.0004	2.4	.0004	.0003	.0006
%RSD	380.0	4.861	62.73	10.08	50.47	.3561	141.7	121.3	6.009
#1	.0011	2.335	.0068	.0185	-0.013	663.3	.0001	-0.001	.0088
#2	-0.0001	2.495	.0079	.0213	-0.005	665.5	-0.0003	-0.006	.0097
#3	-0.0023	2.272	.0015	.0226	-0.008	660.8	-0.0006	.0000	.0099
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0073	1.806	13.80	277.3	.1204	.0058	F721.5	.0027	.0105
Stddev	.0003	.037	.10	1.6	.0009	.0006	1.8	.0012	.0027
%RSD	4.742	2.027	.7110	5.889	.7595	10.34	.2453	43.81	25.75
#1	.0069	1.767	13.81	276.9	.1212	.0061	721.9	.0030	.0095
#2	.0073	1.812	13.89	279.1	.1204	.0051	723.0	.0014	.0136
#3	.0076	1.839	13.70	275.9	.1194	.0062	719.5	.0037	.0084
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062

Sample Name: FA58281-12 Acquired: 10/12/2018 14:43:10 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0004	-.0944	.0123	.0184	-.0009	702.3	-.0002	-.0004	.0096
Stddev	.0030	.0496	.0020	.0024	.0003	2.6	.0004	.0001	.0003
%RSD	737.7	52.57	16.38	13.30	28.52	.3738	253.6	19.14	2.936
#1	.0030	.1324	.0123	.0173	-.0009	704.6	.0000	-.0004	.0093
#2	.0011	.1125	.0144	.0212	-.0007	702.8	-.0006	-.0004	.0097
#3	-.0029	.0382	.0103	.0167	-.0012	699.5	.0002	-.0003	.0098
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0009	.0326	27.01	268.3	.0219	.0606	F4381.	.0010	.0047
Stddev	.0015	.0017	.29	1.6	.0007	.0013	92.	.0003	.0008
%RSD	164.3	5.109	1.072	.6125	3.188	2.141	2.093	29.97	16.66
#1	.0026	.0312	26.81	269.3	.0213	.0606	4449.	.0007	.0040
#2	.0001	.0345	27.34	269.2	.0218	.0618	4418.	.0012	.0045
#3	.0000	.0323	26.88	266.4	.0226	.0593	4277.	.0011	.0055
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0026	.0707	3.829	-.0050	12.04	.0068	.0000	.0267	.0082
Stddev	.0062	.0137	.011	.0040	.06	.0004	.0050	.0013	.0004
%RSD	240.4	19.41	.2945	80.81	.5119	5.965	20910.	5.027	5.380
#1	.0045	.0574	3.816	-.0093	12.06	.0064	.0016	.0281	.0078
#2	-.0048	.0848	3.832	-.0013	12.09	.0068	.0040	.0265	.0087
#3	-.0074	.0699	3.838	-.0044	11.97	.0072	-.0056	.0255	.0081
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	649.89	1914.4	16273.	1716.1					
Stddev	.51	8.3	25.	11.4					
%RSD	.07856	.43313	.15612	.66214					
#1	649.34	1923.8	16263.	1706.6					
#2	649.97	1911.6	16302.	1712.8					
#3	650.35	1908.0	16254.	1728.7					

Sample Name: FA58281-13 Acquired: 10/12/2018 14:47:46 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0010	.0696	.0064	.0204	-.0008	810.3	-.0002	-.0019	.0041
Stddev	.0051	.0909	.0019	.0006	.0002	4.6	.0004	.0004	.0031
%RSD	505.6	130.6	29.22	2.953	24.85	.5641	179.8	20.36	75.25
#1	-.0021	-.0351	.0043	.0211	-.0010	809.5	-.0006	-.0022	.0042
#2	.0069	.1152	.0070	.0203	-.0007	815.2	-.0001	-.0020	.0072
#3	-.0017	.1288	.0080	.0199	-.0006	806.2	.0001	-.0015	.0010
Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	-.0008	.0202	38.79	227.3	.0279	.1702	F4825.	.0013	.0154
Stddev	.0014	.0132	.22	1.9	.0002	.0014	162.	.0013	.0058
%RSD	169.8	65.33	.5757	.8330	.6459	.7971	3.354	102.4	37.36
#1	.0007	.0245	38.57	226.6	.0278	.1688	4955.	.0008	.0121
#2	-.0019	.0054	39.01	229.5	.0277	.1715	4877.	.0028	.0121
#3	-.0012	.0307	38.80	225.9	.0281	.1704	4644.	.0003	.0221
Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	.0023	.0966	3.129	-.0043	15.31	.0066	-.0031	.0253	.0047
Stddev	.0064	.0090	.022	.0014	.07	.0009	.0025	.0024	.0005
%RSD	280.6	9.368	.7139	33.39	4.894	13.29	81.28	9.402	9.610
#1	.0091	.0864	3.141	-.0035	15.29	.0056	-.0047	.0272	.0048
#2	.0014	.1036	3.143	-.0060	15.40	.0068	-.0045	.0226	.0051
#3	-.0036	.0997	3.104	-.0036	15.25	.0073	-.0002	.0260	.0042
Int. Std.	In2306	Y_2243	Y_3600	Y_3710					
Avg	612.05	1832.9	15512.	1728.1					
Stddev	2.15	2.0	1.	18.8					
%RSD	.35110	.10739	.00810	1.0877					
#1	609.75	1831.9	15513.	1726.7					
#2	614.01	1831.6	15511.	1710.0					
#3	612.40	1835.1	15512.	1747.5					

7.1
7

Sample Name: CCV Acquired: 10/12/2018 14:52:21 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2409	39.49	1.987	1.984	2.004	39.67	1.997	1.999	1.986	1.990
Stddev	.0013	.14	.004	.012	.008	.12	.002	.002	.001	.008
%RSD	.5297	.3492	.1840	.5994	.3840	.3018	.0749	.1217	.0503	.4054
#1	2413	39.34	1.986	1.976	1.997	39.53	1.996	1.997	1.987	1.999
#2	2395	39.60	1.984	1.998	2.013	39.75	1.998	1.999	1.985	1.983
#3	2420	39.54	1.991	1.978	2.003	39.73	1.999	2.002	1.987	1.990

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.13	39.47	39.42	1.990	2.016	37.91	2.009	1.975	2.002	2.015
Stddev	.08	.21	.15	.003	.007	.08	.004	.003	.003	.009
%RSD	.1967	.5344	.3736	.1696	.3365	.2149	.1753	.1491	.1466	.4370
#1	40.05	39.37	39.25	1.987	2.010	37.83	2.005	1.977	1.998	2.023
#2	40.21	39.72	39.48	1.989	2.016	37.99	2.010	1.972	2.003	2.005
#3	40.14	39.33	39.53	1.994	2.023	37.90	2.011	1.977	2.003	2.017

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.803	2.052	2.027	2.027	2.006	2.013	1.991
Stddev	.001	.007	.006	.005	.003	.004	.003
%RSD	.0504	.3617	.3207	.2534	.1541	.1886	.1274
#1	1.804	2.043	2.023	2.032	2.010	2.017	1.988
#2	1.802	2.056	2.034	2.024	2.005	2.009	1.991
#3	1.804	2.056	2.022	2.023	2.005	2.015	1.993

Check ? Value Range
 None Chk PassChk PassChk PassChk PassChk PassChk Pass

Sample Name: CCV Acquired: 10/12/2018 14:52:21 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	778.72	2196.0	19102.	1786.4
Stddev	.91	3.7	21.	7.9
%RSD	.11666	.16862	.11191	.44148
#1	778.74	2199.6	19103.	1794.2
#2	779.61	2196.1	19081.	1778.4
#3	777.80	2192.2	19124.	1786.6

Sample Name: CCB Acquired: 10/12/2018 14:56:28 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0055	.0006	-.0002	.0001	-.0021	.0001	.0001	.0007
Stddev	.0002	.0126	.0005	.0002	.0001	.0001	.0000	.0001	.0001
%RSD	77.77	231.6	92.50	93.21	132.9	3.117	56.26	234.6	7.751
#1	.0005	.0034	.0000	.0000	.0000	-.0020	.0001	-.0001	.0007
#2	.0003	-.0060	.0006	-.0003	.0000	-.0021	.0001	.0002	.0007
#3	.0001	.0190	.0010	-.0003	.0001	-.0020	.0001	.0001	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0175	-.0097	-.0061	.0000	F.0048	.1017	.0003	.0000
Stddev	.0001	.0019	.0121	.0109	.0001	.0011	.0043	.0003	.0001
%RSD	56.91	10.60	125.0	180.1	340.4	23.50	4.269	87.11	210.5
#1	.0004	.0195	-.0141	.0037	.0000	.0059	.0974	.0000	.0000
#2	.0002	.0170	.0040	-.0179	.0000	.0047	.1061	.0004	.0000
#3	.0001	.0159	-.0190	-.0040	.0001	.0037	.1016	.0006	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0019	.0011	.0002	.0001	.0018	.0003	.0000	.0001
Stddev	.002	.0012	.0002	.0003	.0000	.0001	.0002	.0002	.0000
%RSD	17700.	63.01	20.09	148.7	21.45	7.343	52.48	696.2	28.05
#1	-.0021	.0007	.0009	.0002	.0001	.0019	.0004	-.0001	.0001
#2	.0000	.0018	.0011	-.0001	.0001	.0018	.0001	.0002	.0002
#3	.0020	.0031	.0013	.0006	.0001	.0016	.0004	.0000	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 10/12/2018 14:56:28 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	909.67	2258.8	1959.9	1750.1
Stddev	2.13	4.4	73.	12.9
%RSD	.23379	.19472	.37448	.73646
#1	907.25	2261.4	1962.3	1756.2
#2	910.53	2253.7	1951.7	1735.3
#3	911.23	2261.3	1965.7	1758.9

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0175	-.0097	-.0061	.0000	F.0048	.1017	.0003	.0000
Stddev	.0001	.0019	.0121	.0109	.0001	.0011	.0043	.0003	.0001
%RSD	56.91	10.60	125.0	180.1	340.4	23.50	4.269	87.11	210.5
#1	.0004	.0195	-.0141	.0037	.0000	.0059	.0974	.0000	.0000
#2	.0002	.0170	.0040	-.0179	.0000	.0047	.1061	.0004	.0000
#3	.0001	.0159	-.0190	-.0040	.0001	.0037	.1016	.0006	.0001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0019	.0011	.0002	.0001	.0018	.0003	.0000	.0001
Stddev	.002	.0012	.0002	.0003	.0000	.0001	.0002	.0002	.0000
%RSD	17700.	63.01	20.09	148.7	21.45	7.343	52.48	696.2	28.05
#1	-.0021	.0007	.0009	.0002	.0001	.0019	.0004	-.0001	.0001
#2	.0000	.0018	.0011	-.0001	.0001	.0018	.0001	.0002	.0002
#3	.0020	.0031	.0013	.0006	.0001	.0016	.0004	.0000	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

7.1
7

Sample Name: FA58281-14 Acquired: 10/12/2018 15:00:57 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)
Avg	.0020	.3527	.1590	.0292	-.0002	978.0	.0002	-.0011	.0054
Stddev	.0021	.0929	.0035	.0013	.0003	2.9	.0004	.0009	.0010
%RSD	106.6	26.34	2.228	4.305	114.3	.3001	184.0	85.77	17.60
#1	.0028	.4529	.1618	.0306	-.0005	979.3	.0002	-.0004	.0053
#2	-.0004	.2695	.1603	.0290	.0001	974.6	-.0002	-.0007	.0064
#3	.0036	.3358	.1550	.0281	-.0004	980.0	.0006	-.0021	.0045

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)
Avg	.0021	.2863	.3099	.212.0	.1523	.1167	F5045.	.0015	.0110
Stddev	.0003	.0172	.05	1.2	.0005	.0010	106.	.0001	.0015
%RSD	14.80	5.992	.1642	.5485	.3364	.8967	2.097	7.348	13.89
#1	.0024	.2970	.3098	.2125	.1529	.1172	5164.	.0014	.0114
#2	.0019	.2666	.3094	.210.6	.1519	.1173	5009.	.0015	.0093
#3	.0018	.2954	.3104	.212.7	.1521	.1154	4962.	.0016	.0123

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	-.0050	.1494	3.673	-.0023	16.25	.0147	-.0056	.0043	.0598
Stddev	.0043	.0051	.008	.0030	.07	.0007	.0019	.0021	.0003
%RSD	85.65	3.427	.2224	127.1	.4034	4.840	33.30	49.08	.5673
#1	-.0033	.1469	3.664	-.0026	16.25	.0153	-.0076	.0042	.0595
#2	-.0099	.1461	3.674	-.0052	16.19	.0139	-.0039	.0065	.0602
#3	-.0019	.1553	3.681	.0007	16.32	.0150	-.0054	.0023	.0598

Int. Std. In2306 Y_2243 Y_3600 Y_3710
 Avg 611.43 1818.9 15477. 1705.9
 Stddev .79 4.0 68. 12.7
 %RSD .12926 .21862 .44074 .74165

#1 611.58 1822.7 15482. 1701.7
 #2 612.14 1819.1 15542. 1720.1
 #3 610.58 1814.8 15406. 1695.9

Sample Name: MP34493-MB1 Acquired: 10/12/2018 15:05:31 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0835	-.0025	.0003	-.0001	.1655	-.0003	-.0010	.0023
Stddev	.0018	.0218	.0048	.0000	.0003	.0134	.0001	.0007	.0021
%RSD	1833.	26.09	193.1	14.90	209.8	8.085	21.26	67.29	91.59
#1	.0021	.0819	-.0080	.0003	-.0005	.1786	-.0003	-.0018	.0047
#2	-.0011	.0626	.0009	.0004	.0001	.1660	-.0003	-.0008	.0015
#3	-.0007	.1060	-.0004	.0003	-.0001	.1518	-.0002	-.0005	.0007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0022	.1207	-.1223	.1265	.0019	.0016	1.827	.0027	F.0048
Stddev	.0008	.0157	.1190	.0720	.0000	.0005	.145	.0015	.0052
%RSD	34.69	13.01	97.31	56.86	1.254	31.29	7.942	56.31	107.1
#1	.0020	.1386	-.2430	.0443	.0019	.0015	1.942	.0044	.0000
#2	.0016	.1094	-.1190	.1574	.0019	.0021	1.875	.0014	.0102
#3	.0030	.1140	-.0050	.1779	.0019	.0011	1.664	.0024	.0042

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023	F.0183	.0306	F.0663	.0016	F.0089	-.0004	-.0013	F.0228
Stddev	.0030	.0170	.0019	.0017	.0005	.0122	.0024	.0004	.0000
%RSD	129.3	92.97	6.124	2.610	31.05	136.9	668.7	33.86	.2095
#1	.0012	.0004	.0323	.0667	.0021	.0229	.0006	-.0018	.0228
#2	.0000	.0202	.0309	.0678	.001				

Sample Name: MP34493-MB1 Acquired: 10/12/2018 15:05:31 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	906.33	2254.0	1986.4	1776.0
Stddev	2.52	4.9	148.	20.1
%RSD	.27799	.21771	.74653	1.1315
#1	905.47	2256.5	19921.	1764.9
#2	904.36	2248.4	19976.	1763.9
#3	909.17	2257.2	19696.	1799.2

Sample Name: MP34493-B1 Acquired: 10/12/2018 15:10:00 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0483	26.75	1.931	2.015	.0506	25.39	.0499	.5158	.2055	.2569
Stddev	.0017	.19	.002	.006	.0004	.07	.0003	.0029	.0016	.0032
%RSD	3.577	.7154	.1209	.3048	.7533	2.853	.5507	.5528	.8012	1.246
#1	.0465	26.83	1.931	2.014	.0510	25.47	.0501	.5187	.2069	.2587
#2	.0500	26.88	1.929	2.021	.0502	25.33	.0496	.5130	.2059	.2588
#3	.0483	26.53	1.934	2.009	.0506	25.38	.0500	.5158	.2037	.2532

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.58	24.83	25.10	5.122	.4775	25.32	.5290	.4749	.4760	1.945
Stddev	.19	.10	.10	.0033	.0020	.11	.0023	.0022	.0037	.015
%RSD	.7201	.4019	.3806	.6353	.4122	4.267	.4274	.4618	.7834	.7564
#1	26.49	24.92	25.06	5.159	.4795	25.42	.5314	.4728	.4768	1.946
#2	26.80	24.72	25.21	5.096	.4776	25.34	.5287	.4772	.4793	1.929
#3	26.46	24.84	25.03	5.113	.4755	25.20	.5270	.4746	.4720	1.958

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value
 Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3116	.5650	5.129	5.105	1.953	.4847	.4970
Stddev	.0007	.0010	.0018	.0082	.012	.0049	.0016
%RSD	.2119	.1683	.3443	1.609	.5923	1.013	.3318
#1	.3110	.5661	.5146	.5066	1.958	.4893	.4951
#2	.3114	.5643	.5111	.5199	1.940	.4852	.4979
#3	.3123	.5647	.5129	.5050	1.961	.4796	.4979

Check ? None Chk Pass None None Chk PassChk PassChk Pass
 Value
 Range

Sample Name: MP34493-B1 Acquired: 10/12/2018 15:10:00 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 5.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	864.46	2242.2	19501.	1776.6
Stddev	1.25	7.2	68.	4.1
%RSD	.14429	.31901	.34862	.22973
#1	863.17	2242.5	19424.	1777.8
#2	865.66	2249.2	19554.	1772.0
#3	864.55	2234.9	19523.	1779.9

Sample Name: FAF58023-7 Acquired: 10/12/2018 15:14:21 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0016	181.5	.0372	1.977	.0026	71.66	-.0006	.0244	.2552	.5978
Stddev	.0019	1.2	.0133	.009	.0011	.59	.0002	.0012	.0030	.0059
%RSD	125.1	.6775	35.76	4.285	43.22	.8170	34.60	4.718	1.175	.9846
#1	-.0017	182.0	.0311	1.983	.0013	71.96	-.0008	.0254	.2585	.6009
#2	-.0034	182.3	.0281	1.981	.0035	72.03	-.0004	.0248	.2544	.5911
#3	.0004	180.1	.0525	1.967	.0029	70.99	-.0008	.0232	.2527	.6016

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	186.9	19.78	20.16	4.240	.0101	3.627	.1592	2.563	.0131	.0191
Stddev	1.8	.14	.58	.022	.0016	.089	.0033	.050	.0033	.0147
%RSD	.9507	.7139	2.860	.5084	15.85	2.467	2.043	1.953	24.78	76.98
#1	188.5	19.93	20.25	4.263	.0092	3.714	.1628	2.605	.0094	.0361
#2	187.1	19.77	20.69	4.235	.0119	3.631	.1565	2.577	.0155	.0115
#3	185.0	19.65	19.54	4.221	.0091	3.535	.1582	2.507	.0144	.0098

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	6.947	.0680	1.060	6.212	.0110	.4606	.2672
Stddev	.100	.0050	.010	.013	.0112	.0063	.0048
%RSD	1.445	7.335	.9854	.2129	102.1	1.371	1.798
#1	7.061	.0731	1.068	6.218	.0236	.4656	.2711
#2	6.906	.0632	1.064	6.222	.0074	.4535	.2687
#3	6.874	.0678	1.049	6.197	.0020	.4626	.2618

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	865.01	2260.9	19625.	1783.5
Stddev	3.13	5.6	56.	17.2
%RSD	.36133	.24648	.28302	.96439
#1	863.27	2267.2	19689.	1771.7
#2	863.15	2256.6	19600.	1775.7
#3	868.62	2258.9	19587.	1803.3

Sample Name: MP34493-D1 Acquired: 10/12/2018 15:18:45 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Avg	-0.024	186.6	0.322	1.963	0.021	71.24	-0.009	0.262	-2.638	-5.929
Stddev	0.018	1.1	0.062	0.02	0.004	45	0.006	0.016	0.041	0.014
%RSD	75.44	5.677	19.24	0.822	19.40	6.262	69.68	6.078	1.561	2.355

#1	-0.006	187.8	0.394	1.963	0.026	71.66	-0.003	0.278	2.669	-5.936
#2	-0.042	186.2	0.290	1.961	0.019	71.29	-0.008	0.263	2.653	-5.913
#3	-0.023	185.8	0.283	1.964	0.019	70.77	-0.015	0.246	2.591	-5.938

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	185.9	19.73	20.08	4.215	0.100	3.184	1.652	2.587	-0.052	-0.166
Stddev	1.0	.32	.31	.005	0.013	0.26	0.023	0.13	0.157	0.073
%RSD	5.609	1.640	1.539	0.1142	12.89	8.134	1.366	4.840	301.4	44.08

#1	186.6	19.73	20.02	4.220	0.103	3.210	1.675	2.598	0.112	0.106
#2	186.5	19.40	20.42	4.211	0.111	3.159	1.651	2.591	-0.201	0.145
#3	184.7	20.05	19.81	4.213	0.086	3.184	1.630	2.573	-0.067	0.247

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	7.947	0.722	1.054	6.524	0.045	4.603	2.888
Stddev	0.12	0.025	0.03	0.42	0.042	0.058	0.006
%RSD	1.515	3.477	3.006	6.430	92.80	1.265	20.20

#1	7.959	0.748	1.057	6.569	0.032	4.596	2.894
#2	7.935	0.698	1.051	6.516	0.092	4.548	2.882
#3	7.948	0.720	1.054	6.486	0.012	4.664	2.890

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	866.09	2265.3	1950.4	1756.1
Stddev	1.17	3.1	42.	12.2
%RSD	0.13454	0.13776	2.1288	0.69276

#1	866.98	2267.0	1946.1	1742.4
#2	864.77	2267.3	1954.3	1765.6
#3	866.52	2261.7	1950.8	1760.3

Sample Name: MP34493-SD1 Acquired: 10/12/2018 15:23:08 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 50.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Avg	-0.089	215.2	0.422	2.199	0.007	67.18	-0.039	0.077	-2.838	-5.611
Stddev	0.272	2.3	0.517	0.43	0.076	61	0.023	0.040	0.173	0.050
%RSD	305.7	1.082	122.5	1.966	105.1	90.31	59.33	52.27	6.101	8.955

#1	0.150	217.8	0.599	2.241	-0.062	67.88	-0.056	0.083	2.765	-5.555
#2	-0.386	214.7	0.827	2.201	0.089	66.90	-0.013	0.034	-2.713	-5.624
#3	-0.032	213.2	-0.160	2.155	-0.005	66.77	-0.047	0.114	0.306	-5.653

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	179.7	25.81	19.89	4.050	0.000	9.575	1.884	2.436	0.058	1.527
Stddev	.4	1.70	1.69	0.15	0.05	4.73	0.010	0.38	0.710	1.351
%RSD	2.219	6.584	8.517	3.722	12.950	4.944	5.304	1.548	12.32	88.48

#1	180.1	27.38	20.09	4.065	0.038	10.09	1.884	2.475	0.537	1.114
#2	179.5	26.05	21.48	4.049	-0.051	9.158	1.874	2.400	0.394	0.431
#3	179.3	24.00	18.11	4.035	0.012	9.477	1.894	2.434	-0.758	3.037

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	91.52	0.477	1.045	8.617	0.728	45.10	2.743
Stddev	.68	0.227	0.11	0.575	0.692	0.105	0.019
%RSD	7.437	47.60	1.024	6.627	95.13	2.336	7.033

#1	91.56	0.217	1.056	8.743	0.413	45.61	2.757
#2	92.17	0.578	1.044	9.206	0.248	43.89	2.751
#3	90.82	0.637	1.034	8.063	0.152	45.80	2.721

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	888.72	2254.7	1945.3	1741.2
Stddev	2.38	6.9	43.	14.9
%RSD	0.26798	0.30492	2.1912	0.8524

#1	887.68	2250.3	1940.6	1724.0
#2	891.44	2262.6	1948.9	1749.0
#3	887.02	2251.1	1946.4	1750.6

7.1
7

Sample Name: MP34493-PS1 Acquired: 10/12/2018 15:27:34 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.472	181.2	0.1416	2.207	0.527	76.08	0.520	0.786	3.101	6.880
Stddev	0.007	7	0.070	0.16	0.012	26	0.012	0.027	0.001	0.054
%RSD	1.437	3.892	4.914	7.277	2.222	3.481	2.317	3.403	0.173	0.7812

#1	0.464	181.8	0.1370	2.223	0.525	76.12	0.511	0.761	3.102	6.941
#2	0.475	181.3	0.1496	2.206	0.539	76.33	0.515	0.785	3.101	6.856
#3	0.476	180.5	0.1382	2.191	0.516	75.80	0.534	0.814	3.102	6.842

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	187.0	28.90	24.80	4.246	0.1063	12.99	2.690	2.648	1.122	1.121
Stddev	.7	0.6	.12	0.15	0.015	0.08	0.030	0.10	0.062	0.054
%RSD	3.953	2.178	0.4704	3.583	1.375	6.400	1.128	3.753	5.532	44.94

#1	186.8	28.85	24.93	4.260	0.1046	12.90	2.686	2.647	1.132	0.578
#2	187.8	28.87	24.77	4.248	0.1069	13.04	2.662	2.659	1.119	1.574
#3	186.4	28.97	24.71	4.230	0.1073	13.04	2.723	2.639	1.056	1.211

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	7.107	1.185	1.094	6.287	1.149	5.040	5.373
Stddev	0.094	0.086	0.06	0.32	0.157	0.032	0.077
%RSD	1.320	7.225	5.511	5.082	13.62	6.282	1.428

#1	7.211	1.158	1.097	6.322	0.968	5.069	5.310
#2	7.082	1.117	1.097	6.259	1.233	5.044	5.349
#3	7.028	1.281	1.087	6.281	1.246	5.006	5.458

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	863.39	2266.6	1952.0	1753.0
Stddev	2.82	5.3	43.	4.1
%RSD	0.32644	0.23257	2.2190	2.3411

#1	866.34	2268.4	1947.6	1757.4
#2	860.73	2260.6	1952.1	1752.0
#3	863.11	2270.7	1956.2	1749.4

Sample Name: MP34493-S1 Acquired: 10/12/2018 15:31:56 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.492	265.5	2.063	4.192	0.604	100.7	0.544	0.584	5.145	8.678
Stddev	0.038	9	0.16	0.24	0.013	5	0.003	0.006	0.032	0.021
%RSD	7.641	3.328	7.903	5.644	2.080	4.760	0.4743	0.951	0.6302	2.472

Sample Name: MP34493-S2 Acquired: 10/12/2018 15:36:15 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Avg	0536	285.3	2.087	4.386	0.624	105.7	0536	5910	5315	9068
Stddev	0039	1.0	005	015	0003	.3	0016	0049	0105	0031
%RSD	7.310	.3506	.2501	.3505	.4067	.3281	2.924	.8307	1.971	.3434

#1	0498	284.2	2.089	4.378	0.625	105.4	0552	5965	5418	9099
#2	0576	285.4	2.091	4.376	0.626	105.5	0536	5895	5319	9066
#3	0534	286.2	2.081	4.403	0.621	106.1	0520	5871	5208	9037

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	233.9	48.84	50.69	5.011	5077	31.47	7953	3.351	2447	2.114
Stddev	1.1	.32	.36	013	0044	.14	0091	045	0091	041
%RSD	4506	6563	7087	2666	8629	4581	1.147	1.354	3.713	1.933

#1	233.3	48.81	51.05	5.026	5111	31.31	8054	3.396	2539	2.141
#2	233.3	48.54	50.69	5.005	5091	31.58	7928	3.351	2358	2.067
#3	235.1	49.18	50.33	5.001	5027	31.53	7878	3.306	2443	2.135

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	8.445	6067	1.712	7.565	2.128	1.049	8376
Stddev	051	0114	010	092	013	011	0081
%RSD	6060	1.880	6051	1.212	6273	1.012	9723

#1	8.503	6178	1.703	7.667	2.143	1.055	8445
#2	8.426	6071	1.708	7.535	2.118	1.055	8398
#3	8.406	5950	1.723	7.491	2.124	1.037	8286

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	845.72	2270.4	19436.	1759.6
Stddev	2.04	2.0	116.	5.3
%RSD	24146	08779	59478	30056

#1	843.63	2272.5	19343.	1765.6
#2	845.82	2268.5	19566.	1755.7
#3	847.71	2270.3	19400.	1757.6

Sample Name: MP34493-D2 Acquired: 10/12/2018 15:40:34 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Avg	0051	225.7	0429	2.394	0035	85.52	-0024	0293	3218	6996
Stddev	0020	2.7	0043	026	0006	1.13	0003	0027	0045	0102
%RSD	39.97	1.179	9.940	1.098	18.53	1.326	13.96	9.068	1.393	1.455

#1	0062	228.6	0478	2.416	0039	86.74	-0023	0324	3218	7107
#2	0027	225.1	0404	2.402	0037	85.34	-0022	0275	3174	6976
#3	0062	223.4	0405	2.365	0027	84.49	-0028	0280	3263	6906

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	227.4	23.79	24.31	5.015	0102	2.776	1880	2.897	0103	0148
Stddev	2.9	.39	.37	058	0010	054	0054	126	0064	0130
%RSD	1.293	1.633	1.507	1.152	9.411	1.930	2.883	4.355	62.20	87.56

#1	230.8	24.19	24.70	5.080	0107	2.748	1932	3.036	0055	-0002
#2	226.0	23.77	24.24	4.998	0108	2.743	1885	2.866	0176	0226
#3	225.5	23.41	23.98	4.968	0091	2.838	1824	2.790	0078	0221

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	7.874	0797	1.278	7.563	0185	5506	3004
Stddev	258	0075	017	076	0086	0066	0105
%RSD	3.275	9.352	1.303	1.008	46.71	1.192	3.500

#1	8.155	0880	1.297	7.651	0278	5536	3117
#2	7.817	0735	1.272	7.522	0108	5551	2984
#3	7.649	0776	1.266	7.516	0168	5430	2910

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	865.92	2272.6	19466.	1761.5
Stddev	5.38	7.8	109.	14.8
%RSD	62102	34258	56236	84086

#1	860.00	2266.0	19436.	1746.4
#2	870.51	2281.2	19587.	1762.0
#3	867.23	2270.6	19374.	1776.0

Sample Name: CCV Acquired: 10/12/2018 15:44:56 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2433	39.95	1.982	1.975	2.023	40.23	2.013	2.011	2.038	2.021
Stddev	0008	.20	002	011	005	.11	003	001	007	003
%RSD	3163	5078	1126	5569	2573	2711	1311	0225	3402	1502

#1	2441	39.86	1.980	1.986	2.025	40.15	2.010	2.011	2.031	2.018
#2	2433	40.18	1.983	1.976	2.027	40.35	2.013	2.012	2.038	2.024
#3	2426	39.80	1.984	1.964	2.017	40.18	2.015	2.011	2.045	2.022

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.80	39.48	10.00	2.017	2.033	40.08	2.026	2.001	2.005	2.018
Stddev	.07	.10	.08	.004	.006	.13	.005	.001	.003	.001
%RSD	1803	2652	1991	1730	2779	3299	2451	0487	1339	0289

#1	40.73	39.53	40.08	2.021	2.026	40.06	2.027	2.000	2.007	2.018
#2	40.80	39.54	39.92	2.014	2.034	40.22	2.030	2.002	2.005	2.019
#3	40.87	39.35	40.01	2.017	2.037	39.96	2.020	2.000	2.002	2.018

Check ? Chk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk PassChk Pass
 Value Range

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.806	2.059	2.041	2.094	2.039	2.050	2.013
Stddev	.003	.005	.007	.014	.006	.003	.002
%RSD	1766	2409	3536	6621	2736	1513	0879

#1	1.809	2.062	2.038	2.081	2.033	2.046	2.013
#2	1.808	2.062	2.050	2.091	2.044	2.051	2.011
#3	1.803	2.053	2.036	2.109	2.040	2.052	2.015

Check ? Value Range
 None Chk PassChk PassChk PassChk PassChk PassChk Pass

Sample Name: CCV Acquired: 10/12/2018 15:44:56 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	770.59	2187.7	18634.	1735.2
Stddev	.54	.8	44.	3.9
%RSD	07027	03521	23502	22595

#1	771.16	2188.2	18684.	1739.7
#2	770.08	2188.0	18617.	1733.2
#3	770.52	2186.8	18601.	1732.7

Sample Name: CCB Acquired: 10/12/2018 15:49:05 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-0.0004	.0012	-0.0004	.0001	-0.0025	.0000	.0000	.0001
Stddev	.0005	.0064	.0006	.0004	.0000	.0041	.0001	.0000	.0007
%RSD	6642.	1469.	46.51	90.17	36.45	161.2	179.5	1241.	465.6
#1	-0.0004	.0070	.0019	-0.0007	.0001	.0010	.0000	-0.0001	-0.0004
#2	-0.0001	-0.0044	.0008	-0.0005	.0001	-0.0016	.0001	.0002	.0000
#3	.0005	-0.0039	.0010	.0000	.0000	-0.0070	.0000	-0.0001	.0009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0159	-0.614	.0136	.0001	F.0048	.0114	.0002	-0.0006
Stddev	.0002	.0032	.0155	.0071	.0001	.0011	.0033	.0002	.0004
%RSD	143.0	20.36	25.27	52.23	97.21	23.34	29.29	94.94	56.48
#1	.0002	.0171	-0.625	.0056	.0001	.0060	.0137	.0000	-0.0009
#2	.0003	.0184	-0.453	.0192	.0000	.0045	.0076	.0002	-0.0008
#3	-0.0001	.0123	-0.763	.0161	.0001	.0038	.0128	.0004	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0007	.0013	.0018	.0002	.0001	.0017	.0004	.0000	.0001
Stddev	.0016	.0016	.0001	.0002	.0001	.0003	.0012	.0000	.0000
%RSD	223.3	123.8	6.364	96.13	154.9	15.59	323.2	151.3	33.05
#1	-0.0023	.0030	.0019	.0003	.0002	.0020	.0018	-0.0001	.0001
#2	-0.0007	.0012	.0017	.0000	.0000	.0015	-0.0001	.0000	.0001
#3	.0009	-0.0002	.0017	.0003	.0001	.0016	-0.0006	.0000	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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Sample Name: CCB Acquired: 10/12/2018 15:49:05 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	909.96	2268.0	19534.	1765.8
Stddev	1.41	1.7	85.	13.3
%RSD	.15544	.07453	.43698	.75212
#1	911.52	2269.8	19495.	1781.0
#2	908.75	2267.9	19632.	1756.9
#3	909.62	2266.4	19476.	1759.4

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0159	-0.614	.0136	.0001	F.0048	.0114	.0002	-0.0006
Stddev	.0002	.0032	.0155	.0071	.0001	.0011	.0033	.0002	.0004
%RSD	143.0	20.36	25.27	52.23	97.21	23.34	29.29	94.94	56.48
#1	.0002	.0171	-0.625	.0056	.0001	.0060	.0137	.0000	-0.0009
#2	.0003	.0184	-0.453	.0192	.0000	.0045	.0076	.0002	-0.0008
#3	-0.0001	.0123	-0.763	.0161	.0001	.0038	.0128	.0004	-0.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0007	.0013	.0018	.0002	.0001	.0017	.0004	.0000	.0001
Stddev	.0016	.0016	.0001	.0002	.0001	.0003	.0012	.0000	.0000
%RSD	223.3	123.8	6.364	96.13	154.9	15.59	323.2	151.3	33.05
#1	-0.0023	.0030	.0019	.0003	.0002	.0020	.0018	-0.0001	.0001
#2	-0.0007	.0012	.0017	.0000	.0000	.0015	-0.0001	.0000	.0001
#3	.0009	-0.0002	.0017	.0003	.0001	.0016	-0.0006	.0000	.0001

Check ? Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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Sample Name: FA58023-1 Acquired: 10/12/2018 15:53:35 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Avg	-0.0012	345.2	.0784	1.591	.0075	58.25	.0005	.0349	.5207	.7328
Stddev	.0041	2.4	.0115	.008	.0007	.32	.0004	.0005	.0030	.0004
%RSD	338.4	.6997	14.61	4.766	8.929	5437	80.10	1.472	.5687	.0600
#1	-0.0059	342.7	.0915	1.583	.0082	57.91	.0003	.0354	.5239	.7323
#2	.0018	345.3	.0733	1.594	.0069	58.32	.0010	.0344	.5180	.7329
#3	.0004	347.5	.0704	1.598	.0075	58.53	.0003	.0351	.5204	.7332

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	335.9	27.80	25.52	3.307	.0353	4.980	.2681	6.323	-0.0079	.0374
Stddev	1.5	.02	.58	.002	.0029	.029	.0010	.024	.0071	.0088
%RSD	.4490	.0821	2.284	.0570	8.201	.5772	3.881	.3721	89.76	23.61
#1	334.3	27.79	25.14	3.306	.0371	4.977	.2669	6.313	-0.0159	.0273
#2	336.0	27.79	25.23	3.305	.0368	5.010	.2684	6.350	-0.0050	.0430
#3	337.3	27.83	26.19	3.309	.0320	4.953	.2689	6.306	-0.0027	.0420

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	12.60	1469	8242	12.70	0.285	9176	4485
Stddev	.01	.0034	.0031	.03	.0096	.0022	.0019
%RSD	.0689	2.292	.3734	.2080	33.79	.2448	.4313
#1	12.59	1507	8236	12.68	.0175	9157	4506
#2	12.61	1457	8215	12.73	.0355	9201	4468
#3	12.60	1442	8275	12.68	.0324	9172	4480

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	862.51	2312.8	19499.	1806.2
Stddev	1.66	2.4	88.	10.2
%RSD	.19303	.10270	.45159	.56285
#1	862.41	2310.5	19444.	1817.1
#2	860.90	2315.2	19451.	1804.4
#3	864.22	2312.6	19600.	1797.0

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Sample Name: FA58023-4 Acquired: 10/12/2018 15:57:57 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0079	171.2	.0505	.7562	.0021	27.78	-0.0006	.0154	.2343	.2644
Stddev	.0125	.2	.0073	.0015	.0011	.17	.0003	.0010	.0022	.0018
%RSD	158.2	.1430	14.38	.1928	51.11	.6286	40.59	6.582	.9488	.6953
#1	-0.0036	171.5	.0423	.7570	.0027	27.97	-0.0004	.0153	.2346	.2626
#2	.0060	171.2	.0532	.7570	.0028	27.75	-0.0006	.0144	.2364	.2643
#3	.0212	171.0	.0560	.7545	.0009	27.62	-0.0009	.0164	.2320	.2662

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	166.7	14.00	12.70	1.537	.0142	2.768	.1314	2.017	.0008	.0072
Stddev	1.1	.16	.15	.003	.0022	.061	.0015	.006	.0079	.0138
%RSD	.6562	1.130	1.209	.1878	15.79	2.191	1.117	.2838	1013.	192.6
#1	167.7	13.88	12.69	1.540	.0141	2.786	.1299	2.011	.0060	.0075
#2	166.9	13.95	12.86	1.538	.0120	2.701	.1315	2.022	-0.0083	-0.068
#3	165.5	14.18	12.55	1.534	.0164	2.818	.1328	2.019	.0047	.0209

Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	6.502	0.662	3805	6.279	0.149	4566	1857
Stddev	.017						

Sample Name: FA58023-10 Acquired: 10/12/2018 16:02:22 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	.0014	191.2	.0346	1.241	.0035	25.81	-.0012	-.0249	-.2765	-.3231
Stddev	.0023	.7	.0111	.015	.0003	.10	.0002	.0020	.0061	.0037
%RSD	166.4	.3469	32.18	1.243	9.639	.3686	17.74	8.012	2.195	1.147
#1	.0007	191.0	.0262	1.228	.0032	25.77	-.0010	.0264	.2696	-.3190
#2	-.0005	191.9	.0472	1.258	.0039	25.92	-.0013	.0256	.2811	-.3243
#3	.0039	190.6	.0303	1.238	.0035	25.74	-.0013	.0226	.2787	-.3261
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	182.2	15.18	13.07	2.608	.0143	2.690	1565	3.003	.0027	-.0080
Stddev	.8	.04	.29	.004	.0012	.060	.0037	.017	.0114	.0060
%RSD	4303	.2327	2.220	.1719	8.459	2.237	2.338	5540	428.0	75.57
#1	181.9	15.16	12.75	2.612	.0136	2.757	1595	3.019	-.0098	-.0148
#2	183.1	15.22	13.16	2.603	.0136	2.676	1576	3.003	.0051	-.0056
#3	181.6	15.15	13.31	2.609	.0157	2.639	1524	2.986	.0126	-.0035
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	7.795	.0693	3860	6.819	0.126	4738	2053			
Stddev	.053	.0041	.0027	.016	.0069	.0020	.0024			
%RSD	6797	5.927	6915	.2335	54.54	4.296	1.158			
#1	7.855	.0725	.3878	6.802	.0205	4731	2079			
#2	7.778	.0706	.3872	6.821	.0092	4760	2046			
#3	7.753	.0647	.3829	6.834	.0080	4721	2033			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	875.85	2307.4	19437.	1782.1						
Stddev	3.25	5.9	169.	17.3						
%RSD	.37073	.25469	.87178	.97120						
#1	878.38	2308.2	19586.	1801.7						
#2	872.19	2301.2	19472.	1775.7						
#3	876.98	2312.8	19253.	1768.8						

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Sample Name: FA58023-13 Acquired: 10/12/2018 16:06:46 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0010	182.4	.0383	2.037	-.0028	56.35	-.0008	.0293	-.2619	1.133
Stddev	.0042	.3	.0058	.007	.0008	.28	.0013	.0005	.0028	.002
%RSD	432.4	.1898	15.07	.3389	29.07	5051	1.782	162.9	1.057	1.1294
#1	-.0024	182.6	.0388	2.044	.0038	56.68	-.0018	.0298	-.2626	1.135
#2	-.0038	182.6	.0323	2.031	.0026	56.17	-.0013	.0292	-.2642	1.132
#3	-.0043	182.0	.0439	2.034	.0022	56.19	.0007	.0288	-.2588	1.133
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	183.5	15.71	16.82	4.524	.0109	2.504	1640	5.075	.0037	.0208
Stddev	1.0	.23	.24	.006	.0007	.085	.0014	.015	.0046	.0264
%RSD	5438	1.437	1.415	.1317	6.356	3.386	8690	.2932	127.3	127.2
#1	184.7	15.52	16.87	4.523	.0105	2.596	1642	5.088	.0080	-.0052
#2	183.1	15.96	16.56	4.530	.0117	2.429	1653	5.079	-.0012	.0200
#3	182.8	15.67	17.03	4.518	.0106	2.487	1624	5.059	.0042	.0476
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	8.772	.0800	8181	7.105	.0068	4772	4076			
Stddev	.014	.0007	.0045	.012	.0127	.0040	.0013			
%RSD	1.557	.8151	5445	.1774	187.9	8348	3153			
#1	8.756	.0794	8227	7.002	.0202	4743	4080			
#2	8.778	.0801	8177	7.027	.0052	4817	4061			
#3	8.781	.0807	8138	7.015	-.0051	4755	4086			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	880.29	2313.7	19536.	1780.1						
Stddev	.75	6.5	23.	22.4						
%RSD	.08485	.28009	.11987	1.2563						
#1	879.64	2309.3	19556.	1762.8						
#2	881.10	2321.1	19542.	1805.3						
#3	880.12	2310.7	19510.	1772.1						

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7.1
7

Zoom In Zoom Out

Sample Name: FA58023-16 Acquired: 10/12/2018 16:11:08 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0021	191.8	.0285	1.215	.0029	52.23	.0050	-.0296	.3011	3.554
Stddev	.0040	1.4	.0029	.022	.0009	.28	.0008	.0006	.0032	.004
%RSD	191.3	.7218	10.20	1.027	30.26	5314	15.52	2.173	1.078	1.012
#1	-.0016	193.3	.0256	1.246	.0026	52.55	.0045	.0288	.3009	3.551
#2	-.0016	191.6	.0314	1.212	.0038	52.07	.0059	.0299	.3045	3.553
#3	-.0064	190.5	.0285	1.202	.0022	52.07	.0046	.0300	.2980	3.558
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	196.8	21.07	17.81	4.234	.0114	2.199	1793	16.16	.0350	.0340
Stddev	1.3	.23	.38	.027	.0030	.093	.0004	.16	.0294	.0073
%RSD	.6662	1.075	2.129	.6415	25.90	4.226	2.221	9961	84.02	21.37
#1	198.3	21.28	18.18	4.266	.0104	2.092	1797	16.29	.0686	.0387
#2	196.1	21.11	17.42	4.219	.0147	2.254	1789	16.22	.0137	.0256
#3	196.0	20.83	17.83	4.218	.0091	2.251	1793	15.98	.0228	.0376
Elem	Si2124	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062			
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)			
Avg	8.239	.0775	8468	7.083	.0078	5039	1.075			
Stddev	.071	.0045	.0062	.023	.0149	.0023	.009			
%RSD	.8621	5.782	.7364	.3260	189.9	4.606	8756			
#1	8.314	.0784	8533	7.109	.0132	5052	1.084			
#2	8.231	.0726	8463	7.064	.0193	5012	1.074			
#3	8.173	.0815	8408	7.076	-.0090	5053	1.066			
Int. Std.	In2306	Y_2243	Y_3600	Y_3710						
Avg	877.96	2312.7	19545.	1781.8						
Stddev	1.96	3.6	124.	10.1						
%RSD	.22333	.15684	.63439	.56669						
#1	878.22	2310.3	19469.	1771.9						
#2	875.88	2310.9	19688.	1792.1						
#3	879.77	2316.9	19479.	1781.5						

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Zoom In Zoom Out

Sample Name: FA58023-19 Acquired: 10/12/2018 16:15:29 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 10.000000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	-.0044	244.7	.0346	3.059	.0047	101.7	.0003	.0423	.3572	.9757
Stddev	.0067	1.1	.0151	.002	.0007	.6	.0002	.0008	.0034	.0028
%RSD	152.4	4.671	43.66	.0694	15.94	.5442	80.85	1.953	.9501	.2910
#1	-.0085	243.4	.0438	3.058	.0049	101.1	.0000	.0417	.3611	.9742
#2	-.0033	245.1	.0430	3.062	.0038	102.1	.0003	.0432	.3553	.9739
#3	-.0080	245.6	.0172	3.058	.0053	102.0	.0005	.0419	.3551	.9790
Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	223.4	19.10	23.24	6.261	.0104	2.960	.2265	7.647	.0113	.0082
Stddev	.6	.32	.37	.022	.0008	.100	.0027	.016	.0103	.0231
%RSD	.2839	1.682	1.607	.3600	7.519	3.369	1.173	.2046	90.81	282.7
#1	222.7	18.90	22.98	6.266	.0097	2.977	.2252	7.649	.0052	.0132
#2	223.6	19.47	23.07	6.281	.0103	3.050	.2296	7.661	.0056	.0284
#3	223.9	18.92	23.66	6.237	.0112	2.853	.2249	7.630	.0231	-.0171

Sample Name: FA58023-22 Acquired: 10/12/2018 16:19:50 Type: Unk
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 10.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	
Avg	-0.012	261.5	0.494	2.893	0.052	64.18	-0.008	0.461	3819	2738
Stddev	0.058	1.0	0.084	0.29	0.007	27	0.002	0.010	0.029	0.023
%RSD	491.2	.3883	16.98	9.854	13.79	4.250	22.06	2.276	.7721	.8335
#1	-0.066	262.6	0.472	2.922	0.060	64.46	-0.009	0.473	3810	2755
#2	-0.017	261.3	0.423	2.894	0.051	64.17	-0.009	0.453	3796	2747
#3	0.048	260.6	0.586	2.864	0.046	63.91	-0.006	0.457	3852	2712

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	235.3	18.70	18.28	7.032	0.114	3.335	2335	1.352	0.064	0.212
Stddev	1.7	.08	.09	0.035	0.004	0.052	0.046	0.012	0.024	0.255
%RSD	.7211	0.4375	0.4987	0.4991	3.256	1.547	1.973	0.8729	195.2	120.4
#1	237.3	18.79	18.36	7.072	0.111	3.364	2387	1.364	0.013	0.020
#2	234.5	18.68	18.18	7.006	0.113	3.275	2319	1.341	0.0205	0.114
#3	234.2	18.63	18.30	7.018	0.118	3.365	2299	1.351	-0.027	0.501

Elem	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	7.700	0.823	9.023	8.570	0.087	5.943	3.064
Stddev	0.077	0.007	0.060	0.042	0.050	0.040	0.021
%RSD	1.007	0.8039	0.6691	0.4892	57.53	6.705	6.904
#1	7.762	0.817	9.089	8.563	0.136	5.925	3.082
#2	7.723	0.830	9.009	8.531	0.036	5.916	3.068
#3	7.613	0.822	8.970	8.614	0.090	5.989	3.041

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Avg	865.98	2317.5	19358.	1802.2
Stddev	1.59	3.5	132.	8.6
%RSD	.18352	.15235	.68343	.47827
#1	867.61	2321.6	19342.	1800.2
#2	865.90	2315.2	19498.	1794.8
#3	864.44	2315.8	19235.	1811.7

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Sample Name: CCV Acquired: 10/12/2018 16:24:13 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu3247
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	
Avg	2442	39.57	1.958	1.920	1.989	39.92	2.017	2.012	2.085	2.041
Stddev	0.018	.39	0.03	0.029	0.017	.31	0.001	0.003	0.004	0.003
%RSD	.7171	.9763	.1441	1.504	.8584	.7787	.0593	.1402	.2094	.1571
#1	2462	39.68	1.960	1.935	1.994	40.06	2.016	2.009	2.080	2.044
#2	2434	39.14	1.955	1.887	1.970	39.57	2.017	2.012	2.089	2.041
#3	2429	39.89	1.959	1.939	2.003	40.14	2.018	2.014	2.086	2.037

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960
IS Ref	(Y_3710)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_2243)	(In2306)	(Y_2243)	(Y_2243)
Avg	39.93	38.68	39.01	2.040	2.016	39.86	1.995	2.022	1.985	1.995
Stddev	.24	.42	.28	0.001	0.009	.27	.005	.006	.005	.011
%RSD	.5922	1.080	.7247	0.612	0.4215	.6795	.2572	.3033	.2294	5.276
#1	40.04	38.84	39.10	2.039	2.008	39.95	1.991	2.021	1.979	1.993
#2	39.66	38.21	38.70	2.040	2.015	39.56	1.993	2.029	1.988	1.986
#3	40.10	38.99	39.25	2.041	2.025	40.08	2.001	2.017	1.987	2.007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

Elem	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3600)	(In2306)	(Y_3600)	(Y_2243)
Avg	1.788	2.016	2.007	2.104	2.042	2.048	2.010
Stddev	0.002	0.004	0.013	0.002	0.009	0.005	0.004
%RSD	0.954	0.1759	0.6449	0.0891	0.4217	0.2249	0.1820
#1	1.786	2.013	2.013	2.105	2.044	2.053	2.006
#2	1.789	2.016	1.993	2.101	2.050	2.044	2.012
#3	1.789	2.020	2.016	2.105	2.033	2.049	2.012

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value Range

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Sample Name: CCV Acquired: 10/12/2018 16:24:13 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	767.84	2197.6	18401.	1751.9
Stddev	2.51	4.7	47.	14.3
%RSD	.32651	.21536	.25393	.81591
#1	770.12	2203.1	18454.	1750.1
#2	765.15	2194.9	18372.	1767.0
#3	768.25	2194.9	18375.	1738.6

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Sample Name: CCB Acquired: 10/12/2018 16:28:20 Type: QC
 Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.00000
 User: admin SSTRACE02: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677
IS Ref	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)
Avg	0.000	-0.004	0.002	-0.001	-0.001	-0.011	0.000	0.000	0.002
Stddev	0.003	0.0109	0.007	0.002	0.002	0.029	0.000	0.000	0.001
%RSD	6765.	2839.	435.6	144.2	269.3	259.6	7329.	769.0	63.61
#1	-0.001	-0.018	-0.005	-0.001	-0.001	0.016	0.000	-0.001	0.001
#2	-0.003	-0.105	0.010	-0.002	-0.001	-0.041	0.000	-0.002	0.002
#3	-0.002	0.111	0.001	-0.002	-0.002	-0.008	0.000	-0.001	0.003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Cu3247	Fe2599	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
IS Ref	(Y_3600)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.001	0.153	-0.046	0.035	0.000	0.047	0.051	0.003	0.009
Stddev	0.003	0.015	0.075	0.081	0.000	0.014	0.037	0.001	0.004
%RSD	468.9	10.06	15.19	232.4	39.72	29.46	71.82	20.47	37.89
#1	-0.003	0.167	-0.056	-0.006	0.000	0.061	0.043	0.003	0.005
#2	-0.002	0.137	-0.050	-0.017	0.000	0.046	0.019	0.004	0.011
#3	-0.001	0.156	-0.047	0.018	0.000	0.033	0.091	0.003	0.012

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

Elem	Sb2068	Se1960	Si2124	Sr1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)
Avg	-0.009	0.024	0.023	0.007	0.000	0.016	0.011	-0.001	0.001
Stddev	0.017	0.035	0.006	0.003	0.001	0.000	0.011	0.004	0.001
%RSD	197.4	145.5	26.26	46.95	166.4	1.411	107.3	366.6	89.06
#1	-0.008	-0.012	0.028	0.005	0.000	0.016	-0.001	-0.002	0.001
#2	-0.008	-0.057	0.016	0.010	0.001	0.016	0.010	0.003	0.002
#3	-0.027	0.027	0.024	0.005	0.001	0.015	0.022	-0.004	0.000

Check ? Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit Low Limit

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Sample Name: CCB Acquired: 10/12/2018 16:28:20 Type: QC
Method: 60102007_041712(v498) Mode: CONC Corr. Factor: 1.000000
User: admin SSTRACE02: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	914.17	2290.8	19198.	1781.6
Stddev	1.49	7.6	197.	25.2
%RSD	.16288	.32977	1.0283	1.4121
#1	913.14	2295.1	18976.	1752.5
#2	913.50	2282.1	19269.	1795.1
#3	915.88	2295.3	19351.	1797.0

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	<input checked="" type="checkbox"/>	3	V	0.009834	0.000000	No
			Fe	0.000000	0.000000	No
			Mg	0.000002	0.000000	No
Al 396.152 { 85}	<input checked="" type="checkbox"/>	1	Mo	0.035224	0.000000	No
As 189.042 {478}	<input checked="" type="checkbox"/>	5	Fe	0.000097	0.000000	No
			Cr	0.000226	0.000000	No
			Mo	0.000017	0.000000	No
			Al	0.000004	0.000000	No
Ba 455.403 { 74}	<input checked="" type="checkbox"/>	1	Ca	0.000002	0.000000	No
			Fe	0.000002	0.000000	No
Be 313.042 {108}	<input checked="" type="checkbox"/>	2	V	0.000115	0.000000	No
			Ti	0.000059	0.000000	No
Ca 317.933 {106}	<input checked="" type="checkbox"/>	None				
Cd 226.502 {449}	<input checked="" type="checkbox"/>	4	Fe	0.000103	0.000000	No
			Ca	0.000000	0.000000	No
			Al	0.000000	0.000000	No
			Ti	0.000000	0.000000	No
Co 228.616 {447}	<input checked="" type="checkbox"/>	3	Mo	0.001220	0.000000	No
			Ti	0.003012	0.000000	No
			Fe	0.000008	0.000000	No
Cr 267.716 {126}	<input checked="" type="checkbox"/>	3	Al	0.000007	0.000000	No
			Fe	0.000020	0.000000	No
			Ca	0.000004	0.000000	No
Cu 324.754 {104}	<input checked="" type="checkbox"/>	10	Fe	0.000140	0.000000	No
			Ca	0.000002	0.000000	No
			Mo	0.000528	0.000000	No
			Sn	0.000012	0.000000	No
			V	0.000158	0.000000	No
			Ti	0.000251	0.000000	No
			Al	0.000004	0.000000	No
			Mg	0.000002	0.000000	No
			Co	0.000787	0.000000	No
			Cd	0.000240	0.000000	No
Fe 259.940 {130}	<input checked="" type="checkbox"/>	None				
In 230.606 {446}*	<input checked="" type="checkbox"/>	None				
K 766.490 { 44}	<input checked="" type="checkbox"/>	None				
Mg 279.079 {121}	<input checked="" type="checkbox"/>	None				
Mn 257.610 {131}	<input checked="" type="checkbox"/>	2	Fe	0.000015	0.000000	No
			Mg	0.000005	0.000000	No
Mo 202.030 {467}	<input checked="" type="checkbox"/>	1	Fe	0.000009	0.000000	No
Na 589.592 { 57}	<input checked="" type="checkbox"/>	None				
Ni 231.604 {445}	<input checked="" type="checkbox"/>	7	Fe	0.000016	0.000000	No
			Co	0.000054	0.000000	No
			Mo	0.000005	0.000000	No
			Sb	0.000120	0.000000	No
			Al	0.000003	0.000000	No
			Be	0.000269	0.000000	No
			Ti	0.000440	0.000000	No
Pb 220.353 {453}	<input checked="" type="checkbox"/>	9	Al	0.000292	0.000000	No
			Fe	0.000151	0.000000	No
			Mo	0.001012	0.000000	No
			Cu	0.001070	0.000000	No
			Ti	0.000036	0.000000	No
			Si	0.000071	0.000000	No
			Ca	0.000005	0.000000	No
			Cr	0.000050	0.000000	No
			Mg	0.000002	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?			
Sb 206.833 {463}	<input checked="" type="checkbox"/>	10	Fe	0.000039	0.000000	No			
			Cr	0.012140	0.000000	No			
			Mo	0.004076	0.000000	No			
			V	0.000611	0.000000	No			
			Sn	0.010736	0.000000	No			
			Ti	0.000040	0.000000	No			
			Ca	0.000002	0.000000	No			
			Ni	0.000438	0.000000	No			
			Mg	0.000002	0.000000	No			
			Al	0.000003	0.000000	No			
Se 196.090 {472}	<input checked="" type="checkbox"/>	10	Fe	0.000010	0.000000	No			
			Ca	0.000001	0.000000	No			
			Mn	0.000574	0.000000	No			
			Mo	0.000111	0.000000	No			
			Al	0.000033	0.000000	No			
			V	0.000000	0.000000	No			
			Zn	0.000000	0.000000	No			
			Sr	0.000137	0.000000	No			
			As	0.000032	0.000000	No			
			Be	0.000212	0.000000	No			
Si 212.412 {459}	<input checked="" type="checkbox"/>	1	Mo	0.019120	0.000000	No			
Sn 189.989 {477}	<input checked="" type="checkbox"/>	None							
Sr 407.771 { 83}	<input checked="" type="checkbox"/>	1	Ca	0.000024	0.000000	No			
Ti 334.941 {101}	<input checked="" type="checkbox"/>	1	Ca	0.000006	0.000000	No			
Tl 190.856 {477}	<input checked="" type="checkbox"/>	11	Co	0.001145	0.000000	No			
			Fe	0.000035	0.000000	No			
			Al	0.000011	0.000000	No			
			Ba	0.000051	0.000000	No			
			Ti	0.002651	0.000000	No			
			Sb	0.000012	0.000000	No			
			Ca	0.000003	0.000000	No			
			Cr	0.000230	0.000000	No			
			Mg	0.000003	0.000000	No			
			Mn	0.000818	0.000000	No			
			V	0.038621	0.000000	No			
			V 292.402 {115}	<input checked="" type="checkbox"/>	5	Fe	0.000018	0.000000	No
						Cr	0.002590	0.000000	No
						Mo	0.005797	0.000000	No
Ti	0.000364	0.000000				No			
Mn	0.000693	0.000000	No						
Y 224.306 {450}*	<input checked="" type="checkbox"/>	None							
Y 360.073 { 94}*	<input checked="" type="checkbox"/>	None							
Y 371.030 { 91}*	<input checked="" type="checkbox"/>	None							
Zn 206.200 {463}	<input checked="" type="checkbox"/>	5	Cr	0.000965	0.000000	No			
			Al	0.000005	0.000000	No			
			Ca	0.000003	0.000000	No			
			Fe	0.000025	0.000000	No			
			As	0.001128	0.000000	No			

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	10/12/2018 8:49:12	10/12/2018 8:23:03	Linear	1/Conc	0.000160	0.483223	0.000000	1.000000
Al 396.152 { 85}	10/12/2018 8:49:12	10/12/2018 8:23:03	Linear	1/Conc	-0.001081	0.189076	0.000000	1.000000
As 189.042 {478}	10/12/2018 8:49:12	10/12/2018 8:23:03	Linear	1/Conc	-0.000677	0.201686	0.000000	1.000000
Ba 455.403 { 74}	10/12/2018 8:49:12	10/12/2018 8:23:03	Linear	1/Conc	0.051175	10.687027	0.000000	1.000000
Be 313.042 {108}	10/12/2018 8:49:12	10/12/2018 8:23:03	Linear	1/Conc	0.000817	9.851674	0.000000	1.000000
Ca 317.933 {106}	10/12/2018 8:49:12	10/12/2018 8:23:03	Linear	1/Conc	0.009615	0.331286	0.000000	1.000000
Cd 226.502 {449}	10/12/2018 8:49:12	10/12/2018 8:23:03	Linear	1/Conc	-0.000148	4.800566	0.000000	1.000000
Co 228.616 {447}	10/12/2018 8:49:12	10/12/2018 8:23:03	Linear	1/Conc	0.000852	2.416566	0.000000	1.000000
Cr 267.716 {126}	10/12/2018 8:49:12	10/12/2018 8:23:03	Linear	1/Conc	0.000004	0.375427	0.000000	1.000000
Cu 324.754 {104}	10/12/2018 8:49:12	10/12/2018 8:23:03	Linear	1/Conc	0.002711	0.778029	0.000000	1.000000
Fe 259.940 {130}	10/12/2018 8:49:12	10/12/2018 8:23:03	Linear	1/Conc	0.001023	0.220808	0.000000	1.000000
In 230.606 {446}*	10/12/2018 8:49:12	5/5/2010 12:30:54	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	10/12/2018 8:49:12	10/12/2018 8:23:03	Linear	1/Conc	0.005358	0.278950	0.000000	1.000000
Mg 279.079 {121}	10/12/2018 8:49:12	10/12/2018 8:23:03	Linear	1/Conc	0.000837	0.032147	0.000000	1.000000
Mn 257.610 {131}	10/12/2018 8:49:12	10/12/2018 8:23:03	Linear	1/Conc	0.000340	2.069625	0.000000	1.000000
Mo 202.030 {467}	10/12/2018 8:49:12	10/12/2018 8:23:03	Linear	1/Conc	0.000890	1.136130	0.000000	1.000000
Na 589.592 { 57}	10/12/2018 8:49:12	10/12/2018 8:23:03	Linear	1/Conc	0.006764	0.777520	0.000000	1.000000
Ni 231.604 {445}	10/12/2018 8:49:12	10/12/2018 8:23:03	Linear	1/Conc	0.000163	1.315901	0.000000	1.000000
Pb 220.353 {453}	10/12/2018 8:49:12	10/12/2018 8:23:03	Linear	1/Conc	0.001515	1.256245	0.000000	1.000000
Sb 206.833 {463}	10/12/2018 8:49:12	10/12/2018 8:23:03	Linear	1/Conc	-0.000039	0.246361	0.000000	1.000000
Se 196.090 {472}	10/12/2018 8:49:12	10/12/2018 8:23:03	Linear	1/Conc	-0.000688	0.139368	0.000000	1.000000
Si 212.412 {459}	10/12/2018 8:49:12	10/12/2018 8:23:03	Linear	1/Conc	0.003841	0.400591	0.000000	1.000000
Sn 189.989 {477}	10/12/2018 8:49:12	10/12/2018 8:23:03	Linear	1/Conc	0.000405	0.455923	0.000000	1.000000
Sr 407.771 { 83}	10/12/2018 8:49:12	10/12/2018 8:23:03	Linear	1/Conc	0.001337	17.724210	0.000000	1.000000
Tl 334.941 {101}	10/12/2018 8:49:12	10/12/2018 8:23:03	Linear	1/Conc	0.001501	1.770017	0.000000	1.000000
Tl 190.856 {477}	10/12/2018 8:49:12	10/12/2018 8:23:03	Linear	1/Conc	-0.003310	0.596466	0.000000	1.000000
V 292.402 {115}	10/12/2018 8:49:12	10/12/2018 8:23:03	Linear	1/Conc	-0.000261	0.586062	0.000000	1.000000
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {463}	10/12/2018 8:49:12	10/12/2018 8:23:03	Linear	1/Conc	0.001197	2.807171	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	0.999835	0.000082	0.000692	0.002307	OK	1.000000	0.000000	1	0
Al 396.152 {85}	0.999941	0.003312	0.014366	0.047888	OK	1.000000	0.000000	1	0
As 189.042 {478}	1.000000	0.000004	0.001280	0.004267	OK	1.000000	0.000000	1	0
Ba 455.403 {74}	0.999925	0.010559	0.000342	0.001141	OK	1.000000	0.000000	1	0
Be 313.042 {108}	0.999818	0.015155	0.000127	0.000423	OK	1.000000	0.000000	1	0
Ca 317.933 {106}	0.999800	0.010677	0.004514	0.015048	OK	1.000000	0.000000	1	0
Cd 226.502 {449}	0.999892	0.005689	0.000078	0.000261	OK	1.000000	0.000000	1	0
Co 228.616 {447}	0.999872	0.003123	0.000168	0.000561	OK	1.000000	0.000000	1	0
Cr 267.716 {126}	0.999947	0.000311	0.000490	0.001634	OK	1.000000	0.000000	1	0
Cu 324.754 {104}	0.999984	0.000352	0.000386	0.001288	OK	1.000000	0.000000	1	0
Fe 259.940 {130}	0.999488	0.011387	0.003768	0.012560	OK	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 {44}	0.999908	0.006104	0.028480	0.094933	OK	1.000000	0.000000	1	0
Mg 279.079 {121}	0.999867	0.000844	0.031551	0.105169	OK	1.000000	0.000000	1	0
Mn 257.610 {131}	0.999874	0.002649	0.000077	0.000256	OK	1.000000	0.000000	1	0
Mo 202.030 {467}	0.999974	0.000660	0.000222	0.000739	OK	1.000000	0.000000	1	0
Na 589.592 {57}	0.999901	0.017619	0.008741	0.029136	OK	1.000000	0.000000	1	0
Ni 231.604 {445}	0.999848	0.001848	0.000301	0.001005	OK	1.000000	0.000000	1	0
Pb 220.353 {453}	0.999989	0.000479	0.000817	0.002723	OK	1.000000	0.000000	1	0
Sb 206.833 {463}	0.999995	0.000062	0.001611	0.005369	OK	1.000000	0.000000	1	0
Se 196.090 {472}	0.999974	0.000081	0.002719	0.009064	OK	1.000000	0.000000	1	0
Si 212.412 {459}	0.997940	0.002114	0.000714	0.002380	OK	1.000000	0.000000	1	0
Sn 189.989 {477}	0.999693	0.000910	0.000481	0.001602	OK	1.000000	0.000000	1	0
Sr 407.771 {83}	0.999862	0.023768	0.000127	0.000423	OK	1.000000	0.000000	1	0
Tl 334.941 {101}	0.999949	0.001436	0.000172	0.000572	OK	1.000000	0.000000	1	0
Tl 190.856 {477}	0.999974	0.000330	0.001147	0.003824	OK	1.000000	0.000000	1	0
V 292.402 {115}	0.999935	0.000532	0.000430	0.001432	OK	1.000000	0.000000	1	0
Y 224.306 {450}*	0.000000	0.000000	-1.000000	1.000000	Warnin	1.000000	0.000000	1	0
Y 360.073 {94}*	0.000000	0.000000	-1.000000	1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 {91}*	0.000000	0.000000	-1.000000	1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {463}	0.999878	0.003535	0.000100	0.000335	OK	1.000000	0.000000	1	0

Analyst: *[Signature]*
Date: 10-11-18
Date: 10-12-18

Sample #	Initial Volume(ml)	pH<2	Final Volume(ml)	Comments
Method Blank(MB)	50.0	N/A	50.0	
Spike Blank(SB)				
Matrix Spike(MS)				
Matrix Spike Dup(MSD)				
Duplicate(DUP)				
1 QC ^c FA58183-4	1 ^d			
2 FA58023-25	1			
3	1			
4 FA58258-1	6			
5	6			
6 FA58277-1	1			
7 FA58281-1	7			
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				

Lot# 0000198300
HCL

Lot# 0000197345
HNO₃

MP #: 34490

Prep Date/Time (mm/dd/yy 24:00): 10/11/18 1450

Horblock I.D. 9

Thermometer I.D. 204

Correction Factor (°C) -1

Temperature Observed/Corrected (°C) 92.81

pH paper lot# 220416

Spk. Sol. Used(ml)	Pipette #	Volume
Acc 1087	0.5	ku15244
Acc 1081	0.25	ku15244
Acc 6187	0.25	ku15244

Dig. Tube Lot#: HP3161

Method of digestion(circle one) SW846-3010A / SW846-3005A / EPA 200.7 / EPA 200.8 / SM3030C

SGS Accutest - Orlando Metals Digestion Log Water

dad

5g DRY SIEV
DOD

SGS Accutest - Orlando Metals Digestion Log Soil

MP #: 34493

Method of Digestion: SW846-3050B

Prep Date/Time (mm/dd/yy 24:00): 10/12/18 09:40 Spk. Sol. ^A Volume Used(ml) Pipette #
 HotBlock I.D. 9 ACC1087 1.0 METALS19
 Thermometer I.D. MERCURY ACC1081 0.5
 Correction Factor (°C) -1 MET1087 0.5 ↓
 Temperature Observed/Corrected (°C) 94 / 93 Filter Lot#: 1019217J-P
 Balance I.D. ADVPRO3 Dig. Tube Lot# 1605323-7004
 Added ^B: H₂O₂ HNO₃ HCL PTFE Boiling Chips
 Lot# 177290 0000197345 0000198300 23656541

Sample #	Wt., g	Final Volume(ml)	Comments
Method Blank(MB)	5.0	100.0	5x reagents used for digestion
Spike Blank(SB)	↓		
Matrix Spike(MS)	5.09		
Matrix Spike Dup(MSD)	5.11		
Duplicate(DUP)	5.00		
1 <u>QC^D2-FA58023-7</u> ^{D1}	5.05		
2 <u>QC^C-FA58023-7</u>	5.02		
3 <u>FA58023-1</u>	5.02		
4 <u>-4</u>	5.06		
5 <u>*7-10</u>	5.10		
6 <u>*10-13</u>	5.01		
7 <u>-16</u>	5.10		
8 <u>-19</u>	5.04		
9 <u>-22</u>	5.02		
10 <u>*-25</u>			
11 <u>*-26</u>			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21 ^E			
22 ^E			
23 ^E			
24 ^E			

JC 10/12/18

Analyst: Jordan Green Date: 10/12/18
 QC Review: [Signature] Date: 10-12-18

A Used for SB, MS, MSD
 B For reagent volumes used consult SOP MET 104, current revision
 C Parent sample used to prepare MS, MSD, DUP
 D Bottle Number
 E Additional Matrix QC
 icpsoildigestionlog 0316.xls

*JC 10/12/18

7.2.2
7

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Percent Solids Raw Data Summary

Percent Solids Raw Data Summary

Job Number: FA58023
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Sample: FA58023-1 **Analyzed:** 05-OCT-18 by AG **Method:** SM19 2540G
ClientID: 33-01SO200000

Wet Weight (Total)	13.12	g
Tare Weight	2.54	g
Dry Weight (Total)	13.05	g
Solids, Percent	99.3	%

Sample: FA58023-2 **Analyzed:** 05-OCT-18 by AG **Method:** SM19 2540G
ClientID: 33-01SO200001

Wet Weight (Total)	10.8	g
Tare Weight	2.59	g
Dry Weight (Total)	10.65	g
Solids, Percent	98.2	%

Sample: FA58023-3 **Analyzed:** 05-OCT-18 by AG **Method:** SM19 2540G
ClientID: 33-01SO200002

Wet Weight (Total)	14.57	g
Tare Weight	2.54	g
Dry Weight (Total)	14.34	g
Solids, Percent	98.1	%

Sample: FA58023-4 **Analyzed:** 05-OCT-18 by AG **Method:** SM19 2540G
ClientID: 33-01SO200000Q

Wet Weight (Total)	10.78	g
Tare Weight	2.53	g
Dry Weight (Total)	10.74	g
Solids, Percent	99.5	%

Sample: FA58023-5 **Analyzed:** 05-OCT-18 by AG **Method:** SM19 2540G
ClientID: 33-01SO200001Q

Wet Weight (Total)	10.94	g
Tare Weight	2.57	g
Dry Weight (Total)	10.8	g
Solids, Percent	98.3	%

Sample: FA58023-6 **Analyzed:** 05-OCT-18 by AG **Method:** SM19 2540G
ClientID: 33-01SO200002Q

Wet Weight (Total)	15.97	g
Tare Weight	2.52	g
Dry Weight (Total)	15.72	g
Solids, Percent	98.1	%

8.1
8

Percent Solids Raw Data Summary

Job Number: FA58023
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Sample: FA58023-7 **Analyzed:** 05-OCT-18 by AG **Method:** SM19 2540G
ClientID: 33-01SO210000

Wet Weight (Total)	11.61	g
Tare Weight	2.57	g
Dry Weight (Total)	11.53	g
Solids, Percent	99.1	%

Sample: FA58023-8 **Analyzed:** 08-OCT-18 by AG **Method:** SM19 2540G
ClientID: 33-01SO210001

Wet Weight (Total)	11.15	g
Tare Weight	2.56	g
Dry Weight (Total)	11.03	g
Solids, Percent	98.6	%

Sample: FA58023-9 **Analyzed:** 08-OCT-18 by AG **Method:** SM19 2540G
ClientID: 33-01SO210002

Wet Weight (Total)	15.53	g
Tare Weight	2.55	g
Dry Weight (Total)	15.37	g
Solids, Percent	98.8	%

Sample: FA58023-10 **Analyzed:** 08-OCT-18 by AG **Method:** SM19 2540G
ClientID: 33-01SO220000

Wet Weight (Total)	15.46	g
Tare Weight	2.53	g
Dry Weight (Total)	15.43	g
Solids, Percent	99.8	%

Sample: FA58023-11 **Analyzed:** 08-OCT-18 by AG **Method:** SM19 2540G
ClientID: 33-01SO220001

Wet Weight (Total)	12.76	g
Tare Weight	2.5	g
Dry Weight (Total)	12.56	g
Solids, Percent	98.1	%

Sample: FA58023-12 **Analyzed:** 08-OCT-18 by AG **Method:** SM19 2540G
ClientID: 33-01SO220002

Wet Weight (Total)	14.57	g
Tare Weight	2.58	g
Dry Weight (Total)	14.25	g
Solids, Percent	97.3	%

8.1
8

Percent Solids Raw Data Summary

Job Number: FA58023
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Sample: FA58023-13 **Analyzed:** 08-OCT-18 by AG **Method:** SM19 2540G
ClientID: 33-01SO230000

Wet Weight (Total)	13.29	g
Tare Weight	2.55	g
Dry Weight (Total)	13.25	g
Solids, Percent	99.6	%

Sample: FA58023-14 **Analyzed:** 08-OCT-18 by AG **Method:** SM19 2540G
ClientID: 33-01SO230001

Wet Weight (Total)	14.41	g
Tare Weight	2.56	g
Dry Weight (Total)	14.29	g
Solids, Percent	99	%

Sample: FA58023-15 **Analyzed:** 08-OCT-18 by AG **Method:** SM19 2540G
ClientID: 33-01SO230002

Wet Weight (Total)	14.63	g
Tare Weight	2.57	g
Dry Weight (Total)	14.47	g
Solids, Percent	98.7	%

Sample: FA58023-16 **Analyzed:** 08-OCT-18 by AG **Method:** SM19 2540G
ClientID: 33-01SO240000

Wet Weight (Total)	10.11	g
Tare Weight	2.55	g
Dry Weight (Total)	10.09	g
Solids, Percent	99.7	%

Sample: FA58023-17 **Analyzed:** 08-OCT-18 by AG **Method:** SM19 2540G
ClientID: 33-01SO240001

Wet Weight (Total)	14.19	g
Tare Weight	2.54	g
Dry Weight (Total)	14.02	g
Solids, Percent	98.5	%

Sample: FA58023-18 **Analyzed:** 08-OCT-18 by AG **Method:** SM19 2540G
ClientID: 33-01SO240002

Wet Weight (Total)	12.27	g
Tare Weight	2.57	g
Dry Weight (Total)	12.05	g
Solids, Percent	97.7	%

8.1
8

Percent Solids Raw Data Summary

Job Number: FA58023
Account: KEMCAM Kemron Environmental Services, Inc
Project: Ft Ord; CA

Sample: FA58023-19	Analyzed: 08-OCT-18 by AG	Method: SM19 2540G
ClientID: 33-01SO250000		
Wet Weight (Total)	13.12	g
Tare Weight	2.58	g
Dry Weight (Total)	13.06	g
Solids, Percent	99.4	%

Sample: FA58023-20	Analyzed: 08-OCT-18 by AG	Method: SM19 2540G
ClientID: 33-01SO250001		
Wet Weight (Total)	14.02	g
Tare Weight	2.57	g
Dry Weight (Total)	13.89	g
Solids, Percent	98.9	%

Sample: FA58023-21	Analyzed: 08-OCT-18 by AG	Method: SM19 2540G
ClientID: 33-01SO250002		
Wet Weight (Total)	12.64	g
Tare Weight	2.57	g
Dry Weight (Total)	12.46	g
Solids, Percent	98.2	%

Sample: FA58023-22	Analyzed: 08-OCT-18 by AG	Method: SM19 2540G
ClientID: 33-01SO260000		
Wet Weight (Total)	12.02	g
Tare Weight	2.54	g
Dry Weight (Total)	11.99	g
Solids, Percent	99.7	%

Sample: FA58023-23	Analyzed: 08-OCT-18 by AG	Method: SM19 2540G
ClientID: 33-01SO260001		
Wet Weight (Total)	12.41	g
Tare Weight	2.57	g
Dry Weight (Total)	12.28	g
Solids, Percent	98.7	%

Sample: FA58023-24	Analyzed: 08-OCT-18 by AG	Method: SM19 2540G
ClientID: 33-01SO260002		
Wet Weight (Total)	11.85	g
Tare Weight	2.52	g
Dry Weight (Total)	11.63	g
Solids, Percent	97.6	%

8.1
8

Appendix B
Habitat Quality Assessment Memorandum



MEMORANDUM

Date: May 10, 2018

To: Bart Kowalski, BRAC Biologist

From: Jami Colley, Senior Environmental Scientist (KEMRON Project Biologist)

Bart,

On May 10, 2018, I conducted an assessment of the proposed soil remediation area in Unit 33 (see attached map) in accordance with the criteria identified in the *Feasibility Study Addendum, Site 39 Inland Ranges, Former Fort Ord* (Feasibility Study, MACTEC, 2008). The site was surveyed by walking meandering transects through the area, looking at general species composition, presence of Habitat Management Plant (HMP) species, and presence of invasive species. The following is a brief description of the habitat observed within the area.

The area is composed of native maritime chaparral. Dominant species include shaggy-bark manzanita (*Arctostaphylos tomentosa* ssp. *tomentosa*), black sage (*Salvia mellifera*), chamise (*Adenostoma fasciculatum*), Monterey ceanothus (*Ceanothus rigidus*), and dwarf ceanothus (*C. dentatus*). The vegetation is fairly low, as the area had been masticated in 2014. There are several openings throughout the area, many of which are dominated by rush rose (*Helianthemum scoparium*). The groundcover in the majority of the open areas is mulch from the mastication; however, areas of bare ground are also present. Most of the bare ground areas are in the southern portion of the site, on the gently sloped area near Foul Bore Road (both inside and outside of the fuel break). No HMP annual plant species were observed within the area; however, Monterey ceanothus, sandmat manzanita (*A. pumila*), and Eastwood's goldenbush (*Ericameria fasciculata*) are present. No large areas of invasive plants were observed; however, a few individual jubata grass (*Cortideria jubata*) and ice plant (*Carpobrotus edulis*) were observed; most of the jubata grass appeared dead, possibly due to management by the Bureau of Land Management (BLM).

The Feasibility study classifies habitat quality as follows:

- **Low:** disturbed areas (i.e., access roads and erosion) and areas dominated (greater than 50 percent of the vegetative cover) by invasive species (e.g., jubata grass). Plant communities considered as low quality habitats include landscaped and upland ruderal.
- **Medium:** areas with a moderate amount (between 5 to 50 percent of the vegetative cover) of invasive species.
- **High:** areas dominated by native plant species with less than 5 percent of the vegetative cover provided by invasive species. Plant communities considered as high quality habitat include coastal scrub and valley needlegrass grasslands.

- **Very High:** areas dominated by central maritime chaparral, vernal pools and/or with the presence of special-status species.

California tiger salamander require vernal pools for breeding and favor burrows or cracks in the soil of open woodlands and grasslands for summer dormancy. Although not shown on the habitat quality maps, vernal pools are required for reproduction by California tiger salamander. Vernal pools and annual grasslands located within 2 kilometers of documented vernal pools have been reclassified as “Very High.”

Small and large patches of bare ground are common in the plant communities described above. While patches of bare-ground may appear to be a low quality habitat, two HMP species, Monterey spineflower and sand gilia, favor bare ground habitat in central maritime chaparral and coastal scrub habitat. Areas of bare-ground in central maritime, coastal scrub, and native habitat were classified as “Very High” quality habitat. Areas of bare-ground in areas dominated by non-native species were classified as “Low” quality habitat. In areas where bare-ground is found at the boundaries of native and non-native species, a 20-foot buffer zone was established around the native vegetation.

Based on this classification system, the habitat present within the proposed soil remediation area in Unit 33 can be classified as Very High. Although no HMP annual plants were observed, HMP shrubs are present. Additionally, the area supports bare ground areas that are dominated by native species and the cover of invasive species is very low.

If you have any questions or comments, please feel free to contact me.

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Photos: Unit 33 Proposed Soil Remediation Area



1. Maritime chaparral with masticated material ground cover in openings



2. Maritime chaparral with bare ground and masticated material ground cover in openings. Eastwood's goldenbush (HMP shrub) also shown.

Appendix C
Response to Comments on Draft Report



RESPONSES TO COMMENTS

Document: *Draft Sampling Results Technical Memorandum, Basewide Range Assessment Investigation, Site 39 Units 1, 2, 3, 7, 10, 33, and Watkins Gate Bum Area North and South, Former Fort Ord, California*

Commenting Organization: Department of Toxic Substances Control

Name: Min H. Wu, Ph.D.

Date of Comments: 6 July 2017

Comment 1:

“DTSC does not agree with the no further action recommendation because the analytical results for lead at Site 33 indicate there are hot spots. Additional action is required at Site 33.

- a. Please evaluate the hot spot concentrations to characterize the horizontal extent of lead contamination at Unit 33 centered around sample 33-01 and its corresponding step out samples.
- b. Please recalculate the average lead concentrations based on the comments in the attached GSU email and HERO memorandum.”

Response to Comment 1:

After several discussions with DTSC, additional sampling was conducted to constrain the horizontal extent of lead contamination and the polygon and area-weighted averages were recalculated based upon those sampling results.

Comment 2:

“DTSC recommends additional effort to characterize the horizontal extent of lead contamination at Unit 33, centered around sample 33-01 and its corresponding step-out samples. Once the extent of lead impacted soils is determined, a remediation plan for Unit 33 should be developed.”

Response to Comment 2:

After several discussions with DTSC, additional sampling was conducted to constrain the horizontal extent of lead contamination. Limited remediation of soils is recommended. Details of the soil removal will be provided in a future remediation plan.



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Comment 3:

“Please revise Figure 7 for accuracy. The sample location 33-01S1NE says that the result is pending, however; according to Table 2 the concentration of lead detected at this location is 58.3 mg/kg.”

Response to Comment 3:

The figure will be revised to include the analytical result of 58.3 mg/kg.

DTSC/GSU comments from electronic-mail dated June 14, 2017

Comment 1:

The Technical Memorandum adequately describes the field activities conducted and the laboratory analytical results from the soil investigation. Analytical results indicate explosive residues were not detected in any of the soil samples analyzed; the levels of lead contamination are below the established protectiveness level of 225 milligram per kilogram (mg/kg) in all Site 39 Units except for Unit 33. At Unit 33, soil sample 33-01 exhibited a lead concentration level of 566 mg/kg in surface soils. Step-out samples from sample 33-01 in both Round 1 and Round 2 follow-up sampling events also exhibited lead concentrations in excess of the 225 mg/kg protectiveness level, with a maximum detection level of 932 mg/kg.

Subsequently, an evaluation of surface soil lead contamination was completed using an area weighted average of the lead contamination within polygon areas that are primarily centered on soil sample locations. The evaluation resulted in the average contamination levels in 8 out of 12 polygon areas being elevated above the 225 mg/kg protectiveness level, with polygon areas G, B, C, F, and I having averaged lead concentrations of 932, 820, 640, 566, and 558 mg/kg, respectively. These 8 polygons are contiguous and centered around the Range HA-27 target. However, using the area weighted average technique on the entire Unit 33 area as a whole resulted in an average lead concentration of 185 mg/kg. Accordingly, the Army recommends No Further Action for Unit 33 because the overall Unit 33 area weighted average concentration of lead is compliant with the 225 mg/kg protectiveness threshold.

This recommendation for No Further Action is not appropriate due to the evaluation method. The area weighted average technique used in the evaluation of Unit 33 applied the largest-sized



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polygons in the areas with the lowest levels of lead contamination. Therefore, 4 out of 12 polygon areas with the lowest lead contamination levels, in effect, “diluted” the average lead concentration for the entire Unit 33 area. Logically, if the 8 out of 12 polygons located closest to the Range HA-27 target were used in the evaluation of the Unit 33, the average concentration of lead in surface soils would exceed the 225 mg/kg protectiveness level because all 8 polygons exceed the protectiveness level. Therefore, it is recommended that additional efforts be made to characterize the horizontal extent of lead contamination at Unit 33, centered around sample 33-01 and its corresponding step-out samples. Once the extent of lead impacted soils is determined, remediation of those impacted soils should be considered.

Response to Comment 1:

After several discussions with DTSC, additional sampling was conducted to constrain the horizontal extent of lead contamination. Limited remediation of soils is recommended. Details of the soil removal will be provided in a future remediation plan.

DTSC/HERO comments from letter of June 20, 2017

General Comment 1, Human Health Risk Assessment:

“Unit 1. Explosives (HMX, RDX, and TNT) were not detected in any of the soil samples analyzed. Lead was detected in the soil samples at concentrations ranging from 1.3 mg/kg to 84.8 mg/kg. HERO concurs with the recommendation of no further action for explosives and lead at Unit 1.”

Response to General Comment 1:

Comment noted.

General Comment 2:

“Unit 2. Explosives (HMX, RDX, and TNT) were not detected in any of the soil samples analyzed. Lead was detected in the soil samples at concentrations ranging from 4.7 mg/kg to 214 mg/kg. The threshold for lead is 225 mg/kg. HERO concurs with the recommendation of no further action for explosives and lead at Unit 2.”



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Response to General Comment 2:

Comment noted.

General Comment 3:

“Unit 3. Explosives (HMX, RDX, and TNT) were not detected in any of the soil samples analyzed. Lead was detected in the soil samples at concentrations ranging from 3.1 mg/kg to 159 mg/kg. HERO concurs with the recommendation of no further action for explosives and lead at Unit 3.”

Response to General Comment 3:

Comment noted.

General Comment 4:

“Unit 7. Explosives (HMX, RDX, and TNT) were not detected in any of the soil samples analyzed. Lead was detected in the soil samples at concentrations ranging from 1.8 mg/kg to 136 mg/kg. HERO concurs with the recommendation of no further action for explosives and lead at Unit 7.”

Response to General Comment 4:

Comment noted.

General Comment 5:

“Unit 10. Explosives (HMX, RDX, and TNT) were not detected in any of the soil samples analyzed. Lead was detected in the soil samples at concentrations ranging from 2.8 mg/kg to 146 mg/kg. HERO concurs with the recommendation of no further action for explosives and lead at Unit 10.”

Response to General Comment 5:

Comment noted.



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General Comment 6:

“Unit 33. Lead was detected in the soil samples at concentrations ranging from 2.3 mg/kg to 566 mg/kg. Surface sample location 33-01 had the detection of 566 mg/kg, which exceeded the threshold lead concentration of 225 mg/kg. This location is a known former target location. Four step-out samples were collected around 33-01 and the concentration of lead in these four soil samples ranged from 309 mg/kg to 932 mg/kg. A second round of additional step-out samples were collected to define spatial delineation. The concentration of lead in these samples were 104 mg/kg, 310 mg/kg, 558 mg/kg, and 262 mg/kg. An area-weighted-average (AWA) lead concentration was calculated and compared to the 225 mg/kg threshold value. The AWA calculated for lead for an approximately 4.5-acre area is 185 mg/kg. HERO does not concur with this approach, as it masks the obvious hot spots of lead detected at Unit 33. The concentrations of lead detected in the soil samples include: 33-01502 at 932 mg/kg, 33-01503 at 640 mg/kg, 33-01504 at 820 mg/kg, 33-01S2E at 558 mg/kg and 33-01S2N at 310 mg/kg. HERO does not concur with the recommendation of no further action for lead at Unit 33. The area around the highest detected concentrations of lead is a former target location and a hot spot.”

Response to General Comment 6:

Although location 33-01 and associated step-out locations may be considered a “hot spot”, remediation of “hot spots” containing lead concentrations greater than the 225 mg/kg threshold is only applicable in the case of proximity to ponds that may provide a reproductive breeding habitat for the California tiger salamander, as specified in the Site 39 ROD Amendment. However, no such ponds are present in the vicinity, so the “range wide weighted average” as specified in the Site 39 ROD Amendment is applicable. Therefore, calculation of the area weighted average to conservatively evaluate the more heavily used portion of the range surrounding a known row of targets is appropriate for evaluating soil conditions in this area and remediation of “hot spots” is not necessary to meet the requirements of the Site 39 ROD Amendment for protectiveness.

General Comment 7:

“Watkins Gate Burn Area (WGBA). Explosives (HMX, RDX, and TNT) were not detected in any of the soil samples analyzed. Lead was detected in the soil samples at concentrations ranging from 6.7 mg/kg to 130 mg/kg. HERO concurs with the recommendation of no further action for explosives and lead at WGBA.”



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Response to General Comment 7:

Comment noted.

Specific Comment 1, Human Health Risk Assessment:

“Figure 7. Sample location 33-01S1NE says that the result is pending, however according to Table 2 the concentration of lead detected at this location is 58.3 mg/kg. Please revise Figure 7 for accuracy.”

Response to Specific Comment 1:

The figure will be revised to include the analytical result of 58.3 mg/kg.